

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\  
 Data File : VD061305.D  
 Acq On : 25 Mar 2019 16:43  
 Operator : VA/AP  
 Sample : K2043-08MS  
 Misc : 6.18g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

Quant Time: Mar 26 04:28:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 03:31:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.06  | 168  | 696019   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1188637  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 931687   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 344005   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 316536   | 52.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.42% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 499130   | 54.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.76% |          |
| 50) Toluene-d8              | 10.41 | 98   | 1101042  | 49.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.84%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 374186   | 43.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.98%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85   | 344583   | 48.422  | ug/l   | 99     |
| 3) Chloromethane              | 1.77 | 50   | 278552   | 50.178  | ug/l   | 95     |
| 4) Vinyl Chloride             | 1.86 | 62   | 659130   | 126.988 | ug/l   | 99     |
| 5) Bromomethane               | 2.16 | 94   | 56134    | 53.284  | ug/l   | 99     |
| 6) Chloroethane               | 2.28 | 64   | 98201    | 60.139  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 2.55 | 101  | 347017   | 45.230  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.88 | 74   | 133736   | 58.624  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.17 | 101  | 363908   | 46.600  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.33 | 142  | 604716   | 55.428  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 4.06 | 59   | 106361   | 332.725 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.14 | 96   | 336932   | 50.142  | ug/l   | 99     |
| 13) Acrolein                  | 3.05 | 56   | 69307    | 198.074 | ug/l   | 95     |
| 14) Allyl chloride            | 3.63 | 41   | 488743   | 51.273  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.20 | 53   | 331248   | 294.650 | ug/l   | 98     |
| 16) Acetone                   | 3.23 | 43   | 456907   | 318.098 | ug/l   | 95     |
| 17) Carbon Disulfide          | 3.40 | 76   | 1161184  | 52.032  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.65 | 43   | 147110   | 54.184  | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 4.25 | 73   | 668650   | 56.503  | ug/l   | 100    |
| 20) Methylene Chloride        | 3.83 | 84   | 417012   | 51.152  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 4.23 | 96   | 437361   | 58.181  | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.14 | 45   | 1098824  | 54.721  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.07 | 43   | 2883921  | 268.901 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.00 | 63   | 648368   | 55.408  | ug/l   | 99     |
| 25) 2-Butanone                | 6.08 | 43   | 470306   | 283.084 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 6.03 | 77   | 492158   | 49.532  | ug/l   | 84     |
| 27) cis-1,2-Dichloroethene    | 6.05 | 96   | 1880404  | 232.447 | ug/l   | 93     |
| 28) Bromochloromethane        | 6.45 | 49   | 273874   | 55.917  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 6.47 | 42   | 234692   | 283.806 | ug/l   | 99     |
| 30) Chloroform                | 6.67 | 83   | 647694   | 51.941  | ug/l   | 99     |
| 31) Cyclohexane               | 6.97 | 56   | 440155   | 46.344  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.88 | 97   | 551640   | 49.950  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.16 | 75   | 441870   | 45.437  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.19 | 43   | 226857   | 55.849  | ug/l # | 86     |
| 38) Carbon Tetrachloride      | 7.13 | 117  | 563869   | 50.731  | ug/l   | 95     |

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 MSVOA\_D  
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 WP022SB441-190319-(23-25)MS

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 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 03:31:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 39) Methylcyclohexane          | 8.87  | 83   | 331699   | 32.933   | ug/l   | 98       |
| 40) Benzene                    | 7.46  | 78   | 1243618  | 51.490   | ug/l   | 100      |
| 41) Methacrylonitrile          | 6.45  | 41   | 259026   | 54.876   | ug/l # | 92       |
| 42) 1,2-Dichloroethane         | 7.59  | 62   | 378167   | 50.239   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 323166   | 55.178   | ug/l # | 100      |
| 44) Trichloroethene            | 8.54  | 130  | 453899   | 51.964   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.95  | 63   | 310806   | 52.139   | ug/l   | 96       |
| 46) Dibromomethane             | 9.07  | 93   | 208916   | 51.129   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.38  | 83   | 477651   | 49.874   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.12  | 41   | 176686   | 56.521   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.09  | 88   | 40223    | 1172.733 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.31 | 43   | 941115   | 269.928  | ug/l   | 96       |
| 52) Toluene                    | 10.51 | 92   | 687544   | 46.524   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 445957   | 53.580   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 500336   | 49.229   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 11.19 | 97   | 249315   | 50.815   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 11.04 | 69   | 288543   | 55.113   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 388510   | 52.431   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 736339   | 270.344  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.54 | 43   | 670722   | 264.873  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.68 | 129  | 401397   | 52.234   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 301405   | 52.577   | ug/l   | 99       |
| 64) Tetrachloroethene          | 11.26 | 164  | 284421   | 44.315   | ug/l   | 98       |
| 65) Chlorobenzene              | 12.40 | 112  | 874465   | 50.957   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 359696   | 54.063   | ug/l   | 99       |
| 67) Ethyl Benzene              | 12.52 | 91   | 1254678  | 47.774   | ug/l   | 97       |
| 68) m/p-Xylenes                | 12.67 | 106  | 936928   | 91.392   | ug/l   | 100      |
| 69) o-Xylene                   | 13.05 | 106  | 487135   | 51.234   | ug/l   | 100      |
| 70) Styrene                    | 13.07 | 104  | 805779   | 49.935   | ug/l   | 99       |
| 71) Bromoform                  | 13.24 | 173  | 207060   | 50.857   | ug/l   | 99       |
| 73) Isopropylbenzene           | 13.41 | 105  | 1170296  | 52.304   | ug/l   | 99       |
| 74) N-amyl acetate             | 13.27 | 43   | 351471   | 60.041   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 276366   | 63.694   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 267703   | 62.575   | ug/l   | 97       |
| 77) Bromobenzene               | 13.67 | 156  | 345936   | 55.350   | ug/l   | 99       |
| 78) n-propylbenzene            | 13.77 | 91   | 1260119  | 49.919   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 712361   | 48.467   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 14.24 | 105  | 891343   | 50.498   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 80103    | 59.330   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 783913   | 48.787   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 14.19 | 119  | 941272   | 46.705   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 891343   | 50.498   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 14.37 | 105  | 778104   | 34.668   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 748763   | 37.393   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 540706   | 48.808   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 540472   | 50.364   | ug/l   | 100      |
| 89) n-Butylbenzene             | 14.79 | 91   | 546938   | 30.765   | ug/l   | 98       |
| 90) Hexachloroethane           | 15.01 | 117  | 185302   | 34.515   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 485534   | 54.927   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.39 | 75   | 29393    | 54.212   | ug/l   | 93       |

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Sample : K2043-08MS  
Misc : 6.18g/5ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

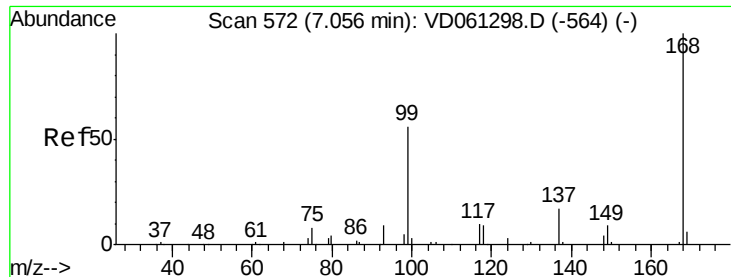
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

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Quant Title : SW846 8260  
QLast Update : Tue Mar 26 03:31:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 139344   | 34.132 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 52767    | 16.041 | ug/l  | 100      |
| 95) Naphthalene            | 16.12 | 128  | 309303   | 51.924 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 62740    | 32.904 | ug/l  | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

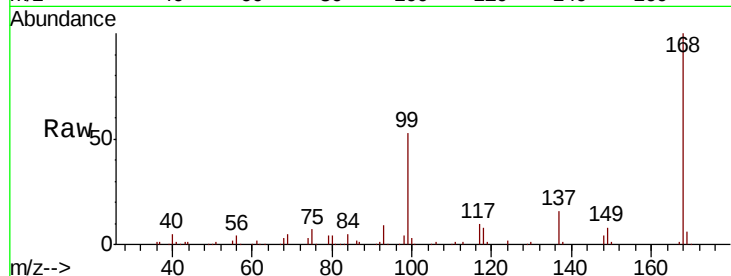
WP022SB441-190319-(23-25)MS

Tot Ion:168 Resp: 696019

Ion Ratio Lower Upper

168 100

99 52.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

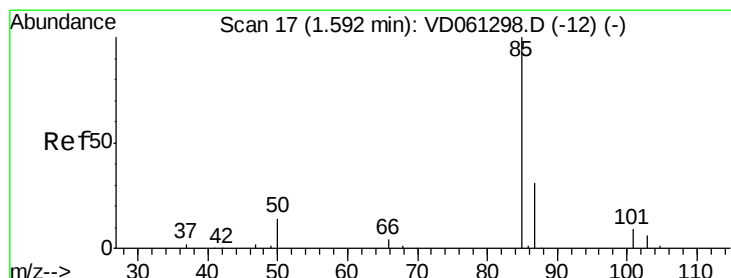
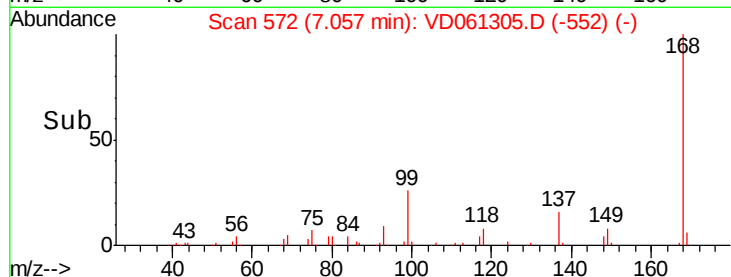
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 48.422 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061305.D

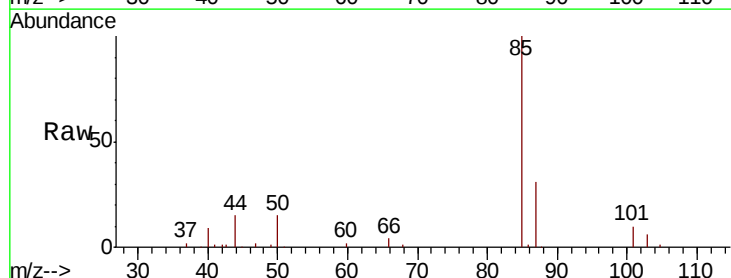
Acq: 25 Mar 2019 16:43

Tgt Ion: 85 Resp: 344583

Ion Ratio Lower Upper

85 100

87 31.5 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

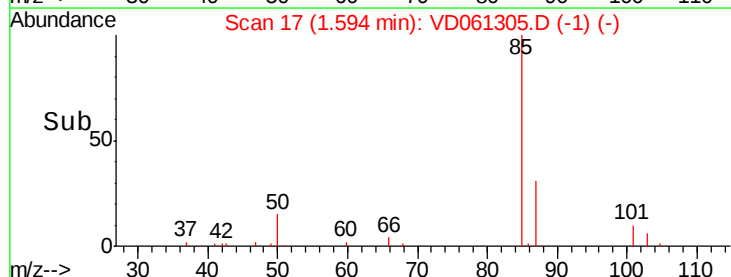
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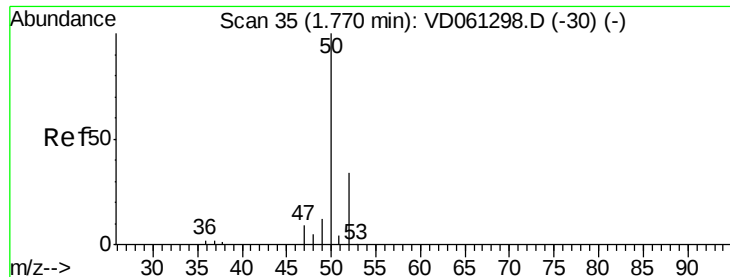
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 50.178 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

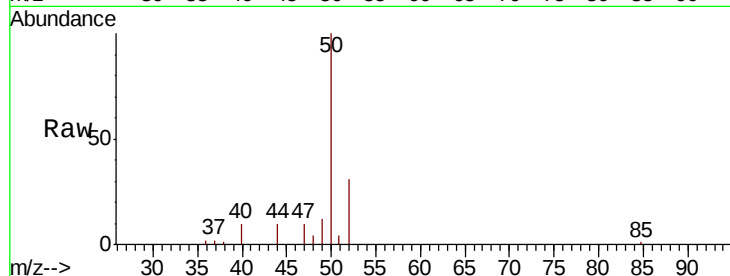
WP022SB441-190319-(23-25)MS

Tot Ion: 50 Resp: 278552

Ion Ratio Lower Upper

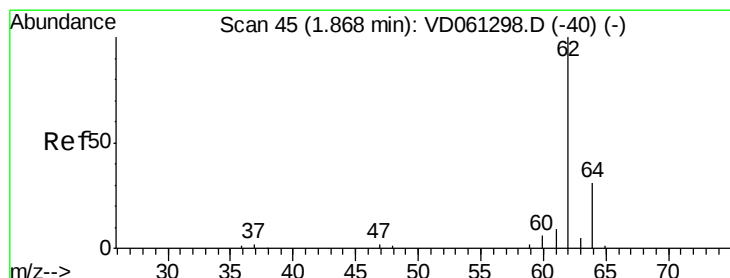
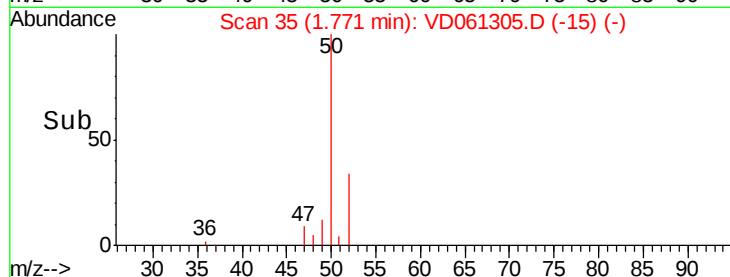
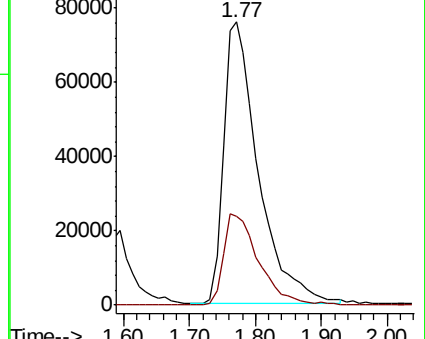
50 100

52 31.3 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 126.988 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061305.D

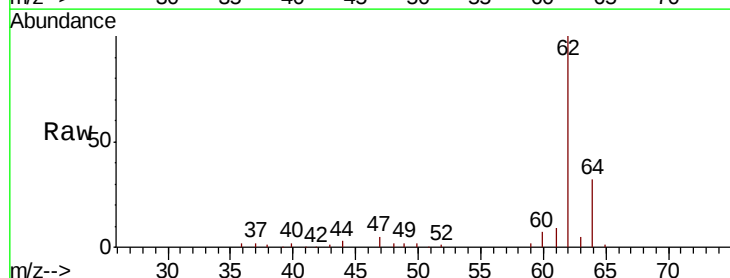
Acq: 25 Mar 2019 16:43

Tgt Ion: 62 Resp: 659130

Ion Ratio Lower Upper

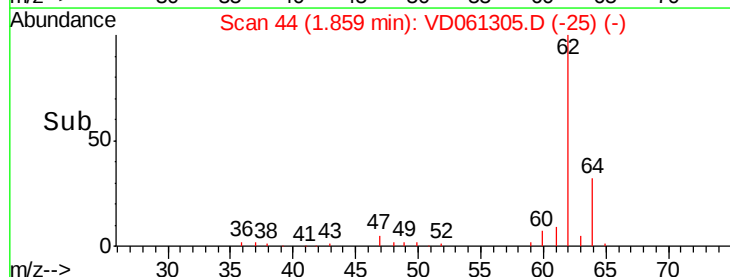
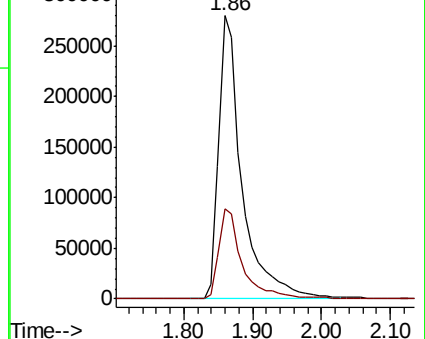
62 100

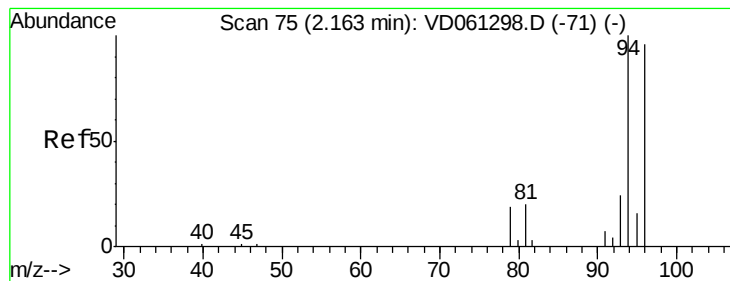
64 31.7 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.284 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

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ClientSampleId :

WP022SB441-190319-(23-25)MS

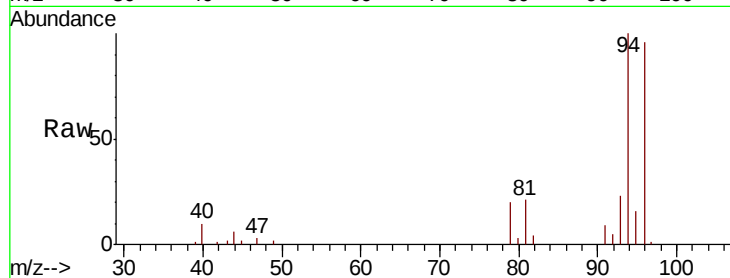
Tot Ion: 94 Resp: 56134

Ion Ratio Lower Upper

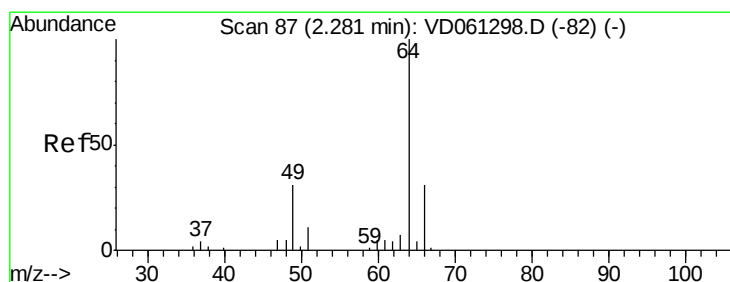
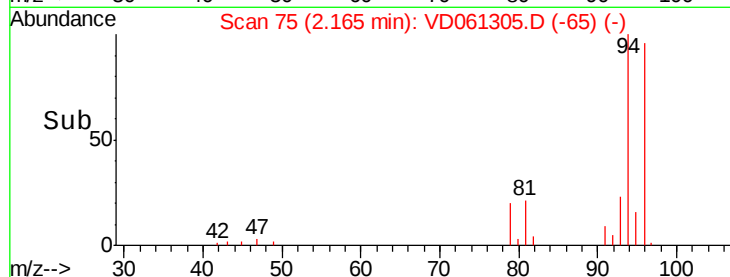
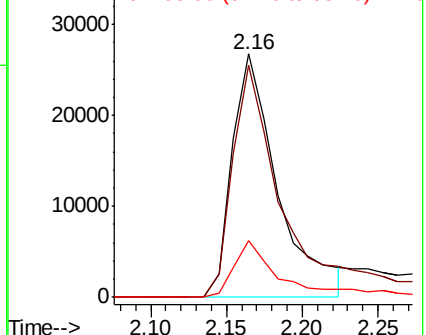
94 100

96 95.5 76.9 115.3

93 23.4 18.8 28.2



Abundance Ion 94.00 (93.70 to 94.70): VDC  
Ion 96.00 (95.70 to 96.70): VDC  
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 60.139 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD061305.D

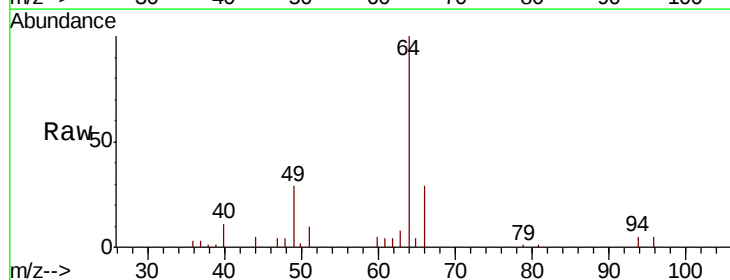
Acq: 25 Mar 2019 16:43

Tgt Ion: 64 Resp: 98201

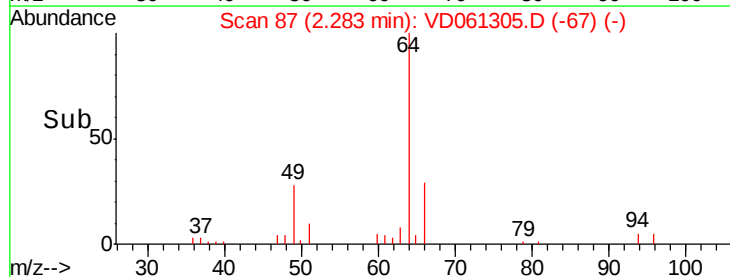
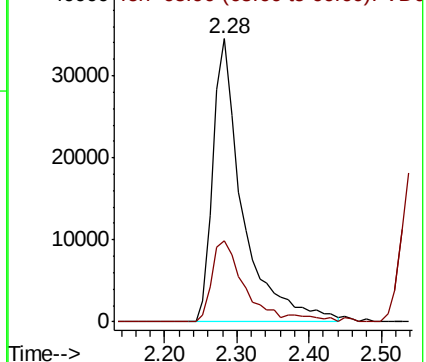
Ion Ratio Lower Upper

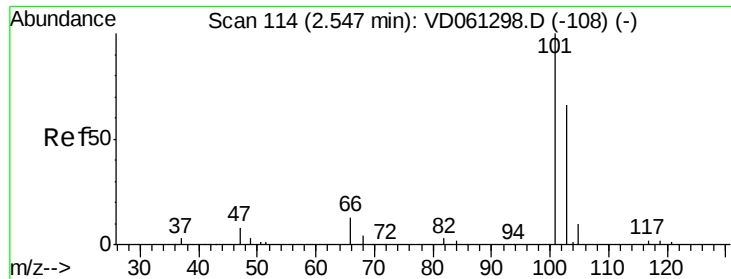
64 100

66 28.8 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC  
Ion 65.90 (65.60 to 66.60): VDC



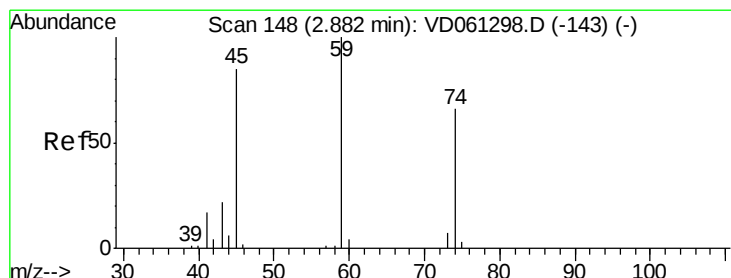
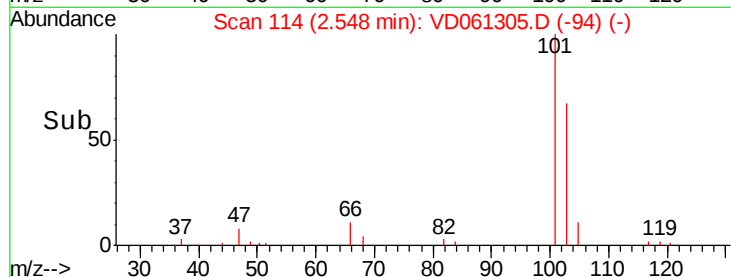
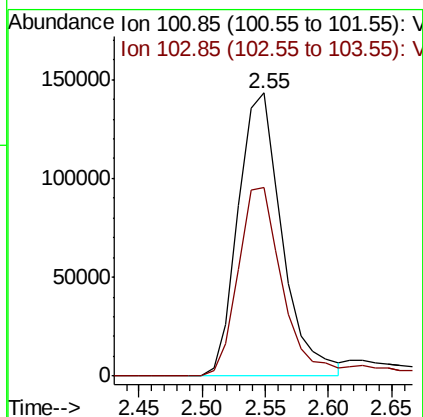
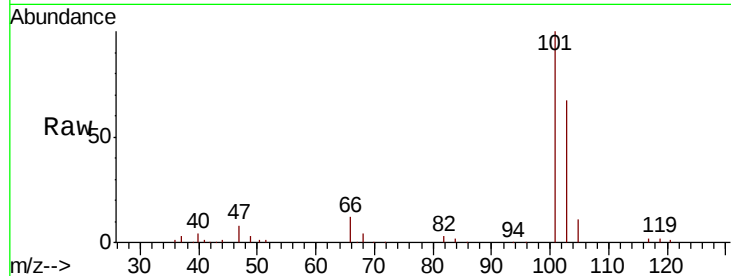


#7

Trichlorofluoromethane  
 Concen: 45.230 ug/l  
 RT: 2.55 min Scan# 114  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

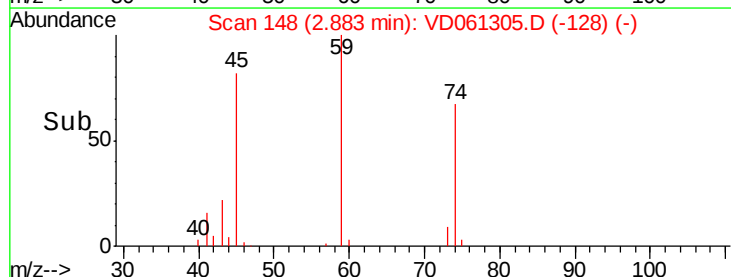
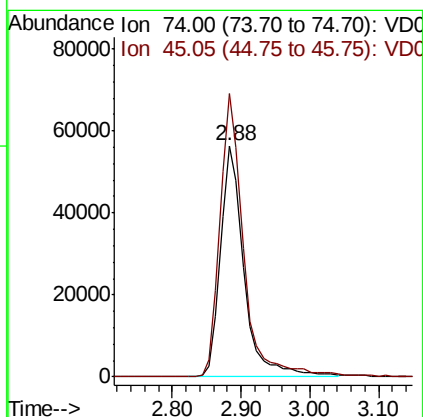
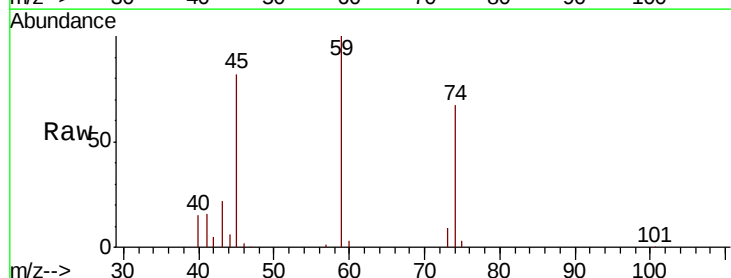
Tot Ion:101 Resp: 347017  
 Ion Ratio Lower Upper  
 101 100  
 103 66.5 52.6 79.0

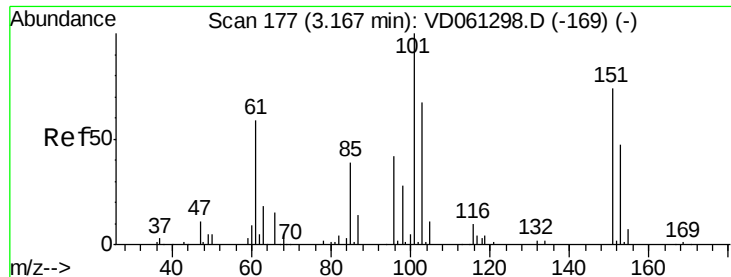


#8

Diethyl Ether  
 Concen: 58.624 ug/l  
 RT: 2.88 min Scan# 148  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion: 74 Resp: 133736  
 Ion Ratio Lower Upper  
 74 100  
 45 122.3 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.600 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

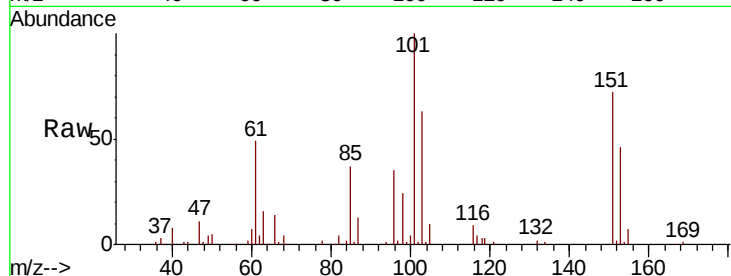
Tot Ion:101 Resp: 363908

Ion Ratio Lower Upper

101 100

85 36.8 31.6 47.4

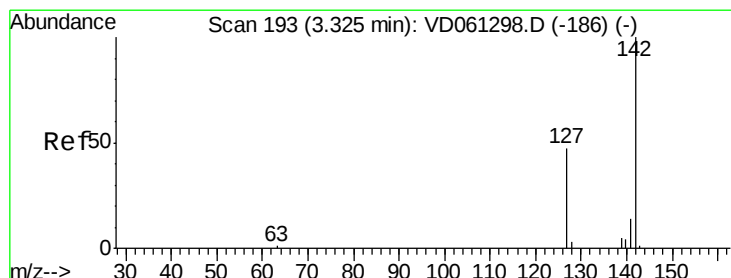
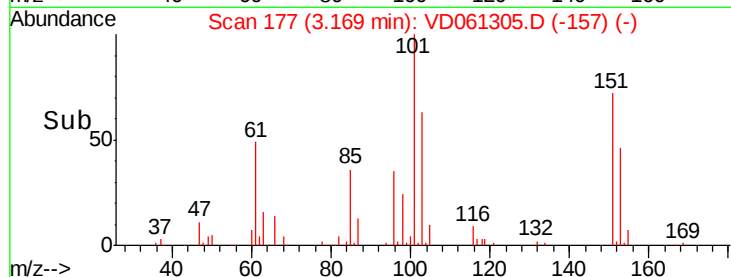
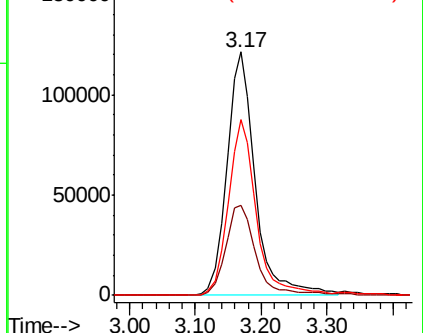
151 72.2 59.3 88.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 55.428 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

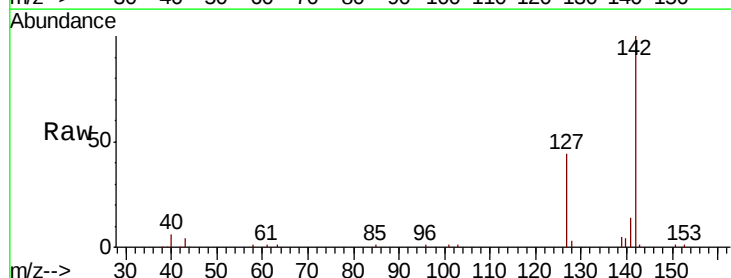
Tgt Ion:142 Resp: 604716

Ion Ratio Lower Upper

142 100

127 43.8 37.8 56.6

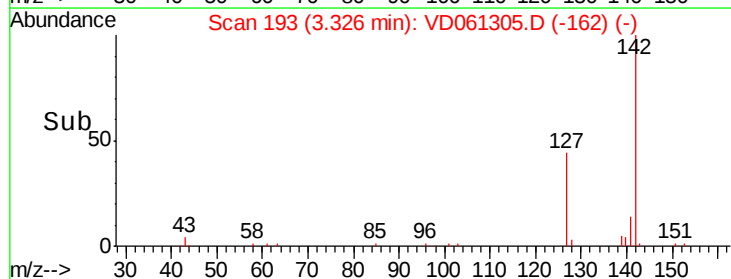
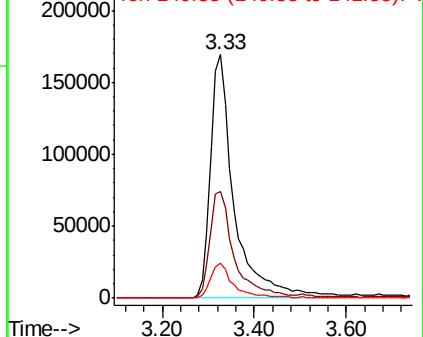
141 14.2 11.6 17.4

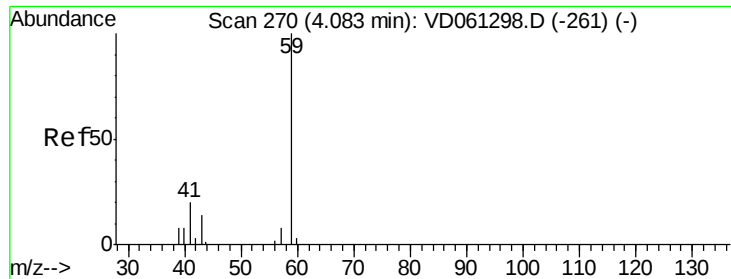


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

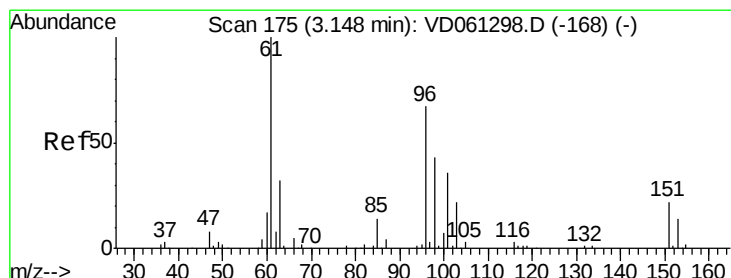
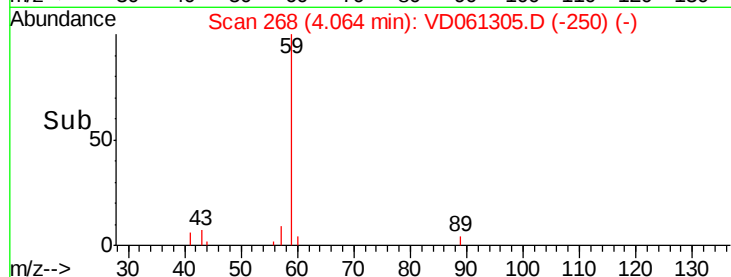
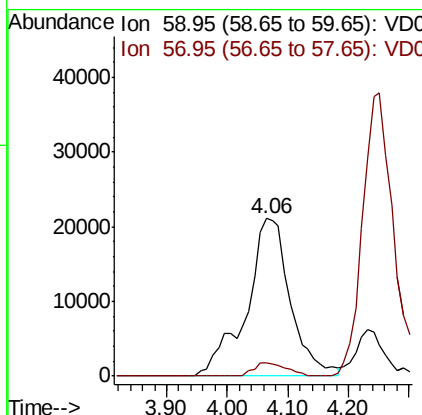
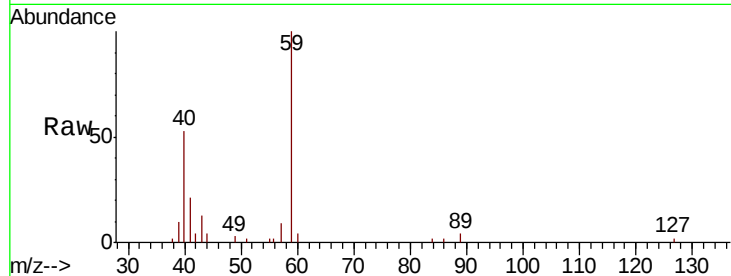




#11  
Tert butyl alcohol  
Concen: 332.725 ug/l  
RT: 4.06 min Scan# 268  
Delta R.T. -0.02 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

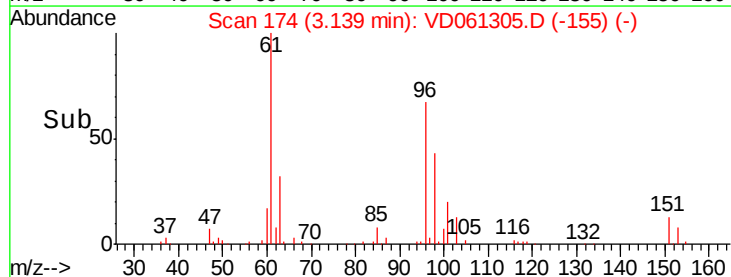
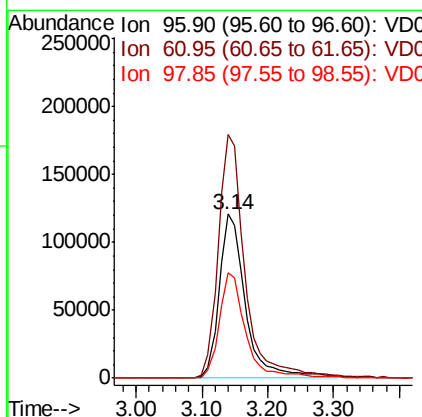
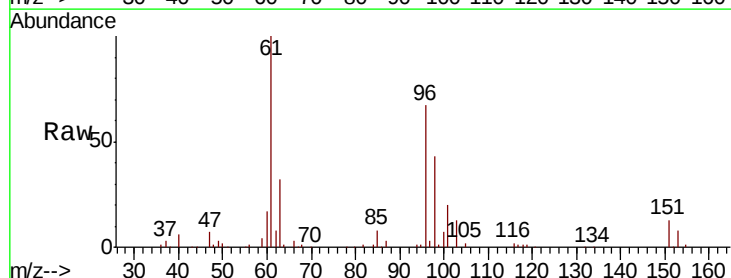
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

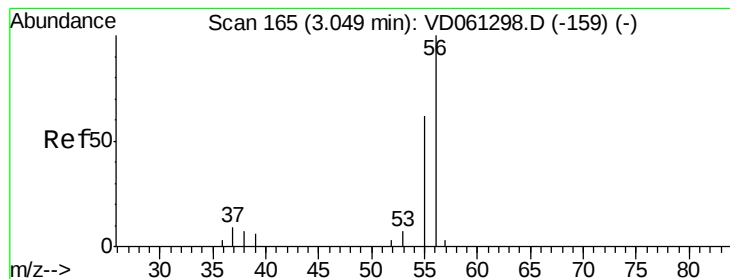
Tot Ion: 59 Resp: 106361  
Ion Ratio Lower Upper  
59 100  
57 8.7 6.6 9.8



#12  
1,1-Dichloroethene  
Concen: 50.142 ug/l  
RT: 3.14 min Scan# 174  
Delta R.T. -0.01 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 96 Resp: 336932  
Ion Ratio Lower Upper  
96 100  
61 148.6 120.2 180.2  
98 64.1 52.2 78.4





#13

Acrolein

Concen: 198.074 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

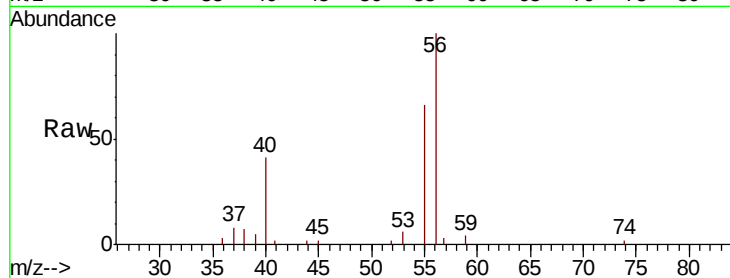
WP022SB441-190319-(23-25)MS

Tot Ion: 56 Resp: 69307

Ion Ratio Lower Upper

56 100

55 66.0 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

25000

20000

15000

10000

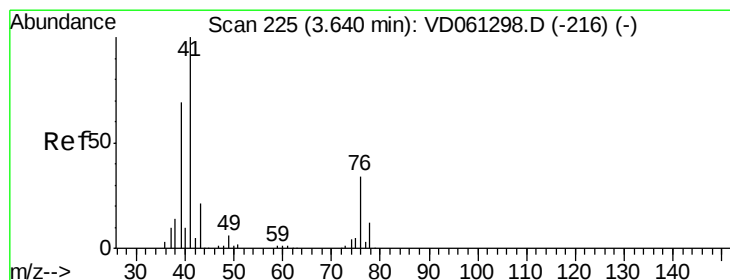
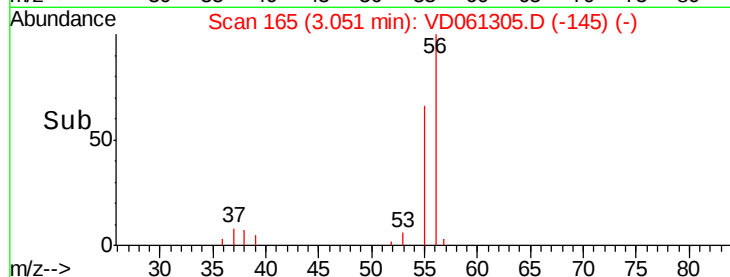
5000

0

Time-->

2.90 3.00 3.10 3.20

3.05



#14

Allyl chloride

Concen: 51.273 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

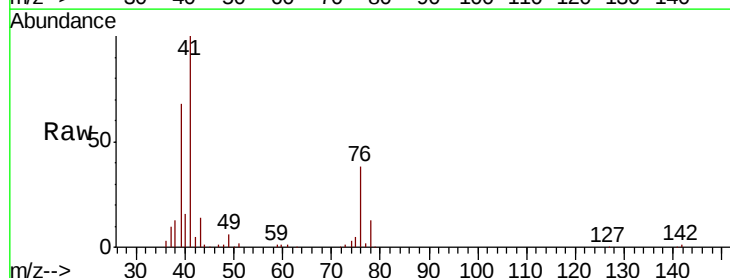
Tgt Ion: 41 Resp: 488743

Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

76 38.2 30.2 45.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

200000

150000

100000

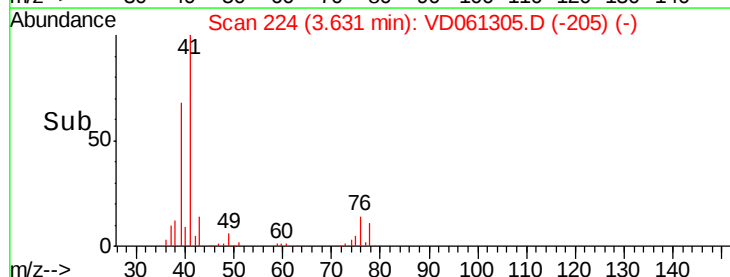
50000

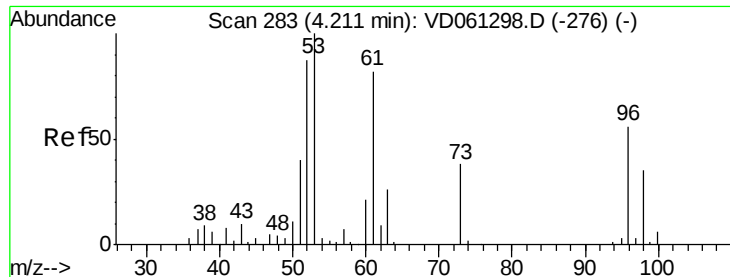
0

Time-->

3.50 3.60 3.70 3.80

3.63





#15

Acrylonitrile

Concen: 294.650 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

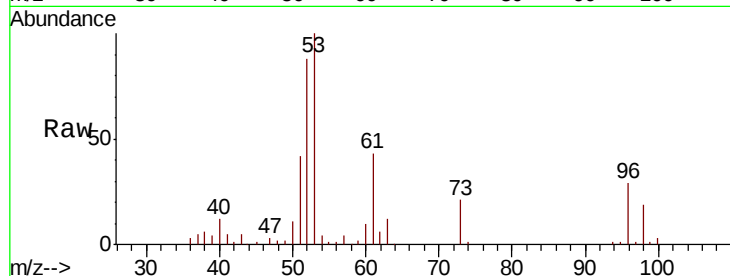
Tot Ion: 53 Resp: 331248

Ion Ratio Lower Upper

53 100

52 87.6 69.4 104.2

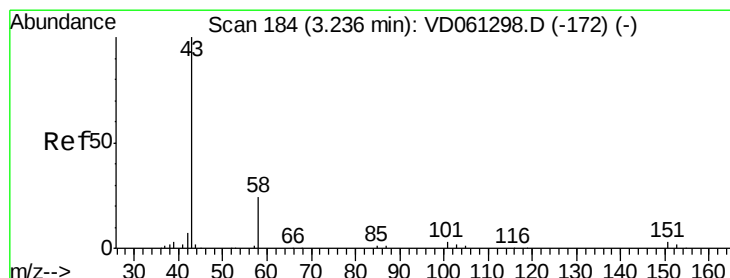
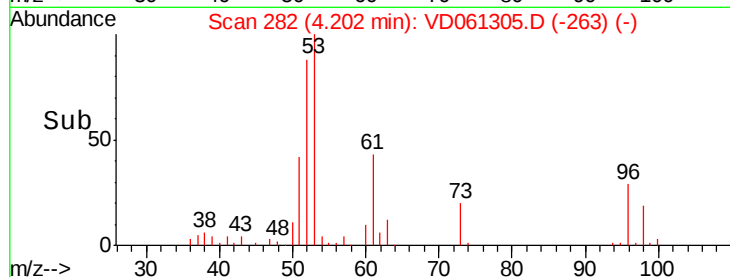
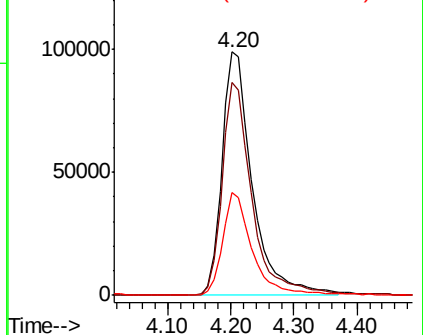
51 42.4 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 318.098 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061305.D

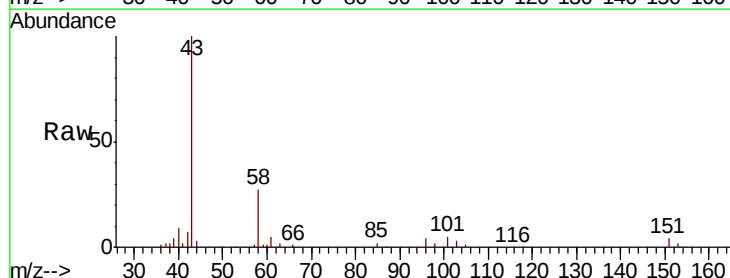
Acq: 25 Mar 2019 16:43

Tgt Ion: 43 Resp: 456907

Ion Ratio Lower Upper

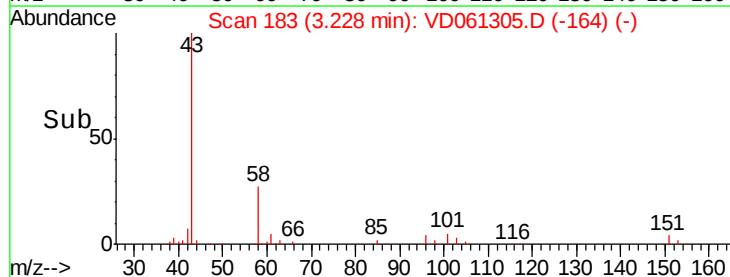
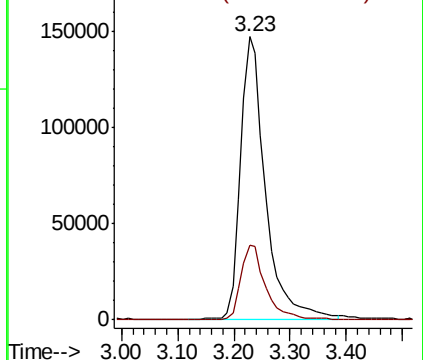
43 100

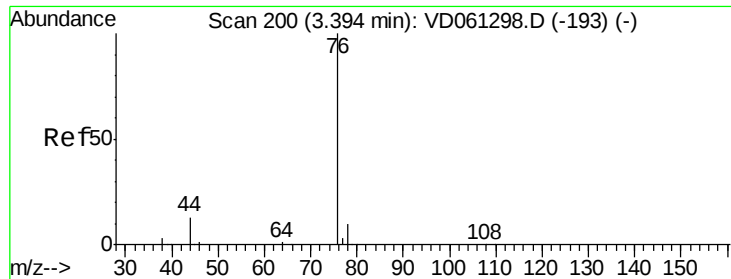
58 26.6 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

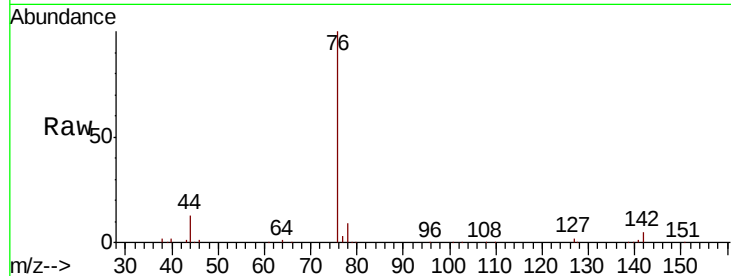




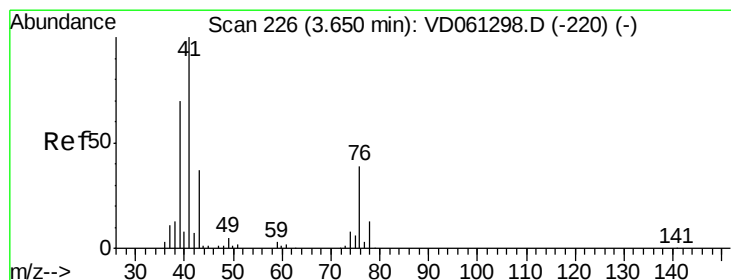
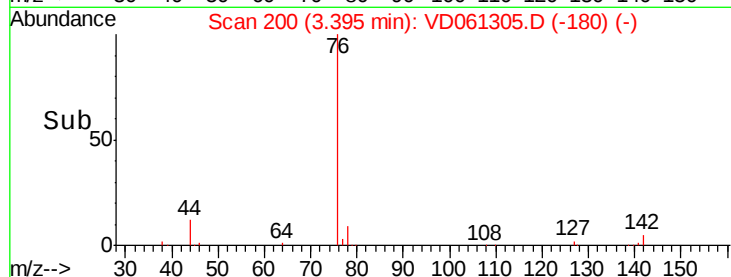
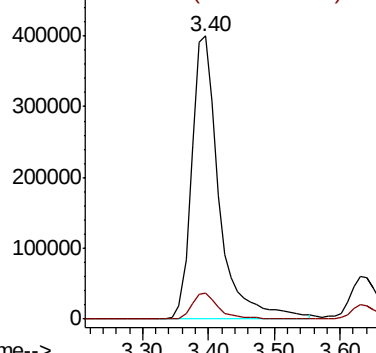
#17  
Carbon Disulfide  
Concen: 52.032 ug/l  
RT: 3.40 min Scan# 200  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

Tot Ion: 76 Resp: 1161184  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.8 11.6

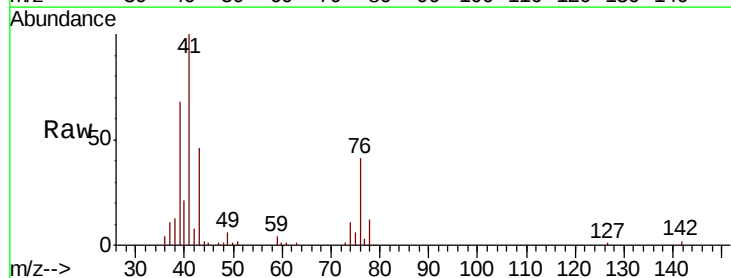


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

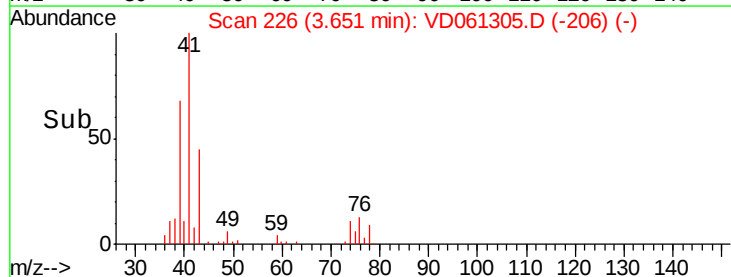
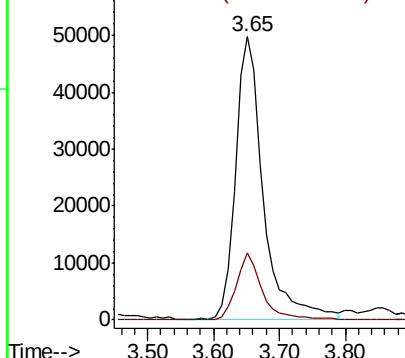


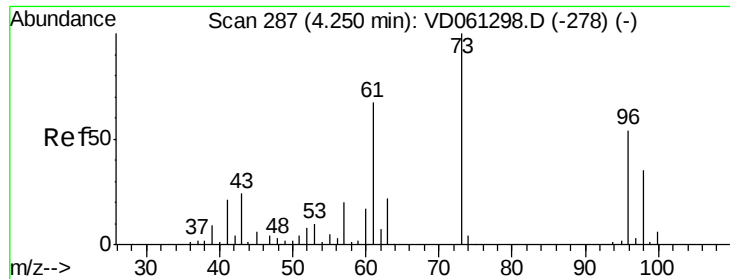
#18  
Methyl Acetate  
Concen: 54.184 ug/l  
RT: 3.65 min Scan# 226  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 43 Resp: 147110  
Ion Ratio Lower Upper  
43 100  
74 23.7 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 74.00 (73.70 to 74.70): VDC

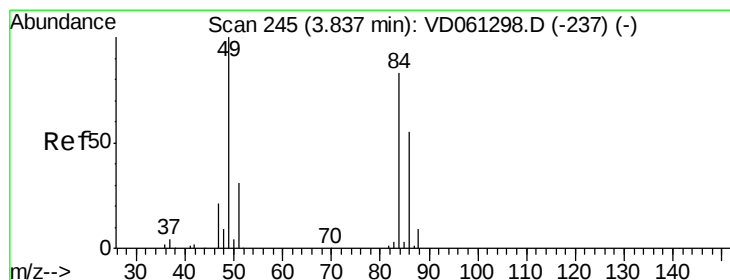
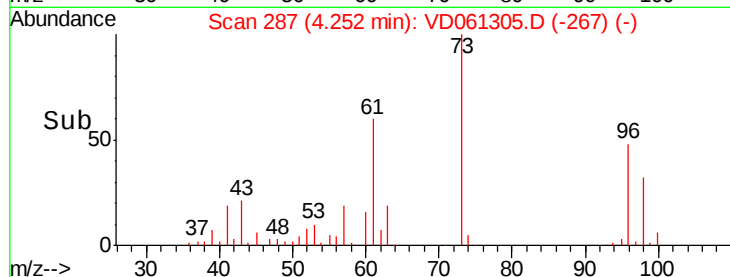
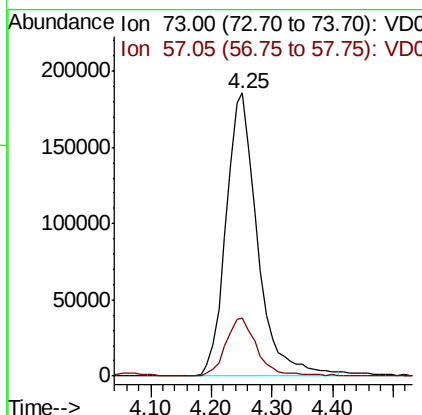
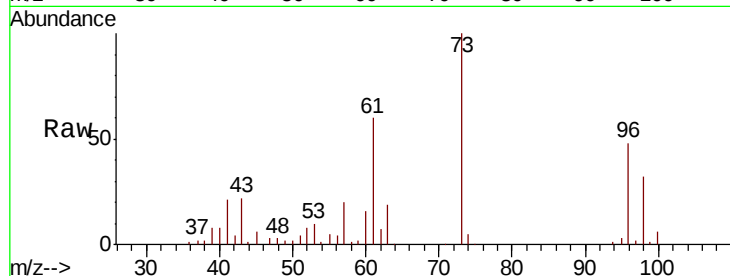




#19  
Methvl tert-butvl Ether  
Concen: 56.503 ug/l  
RT: 4.25 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

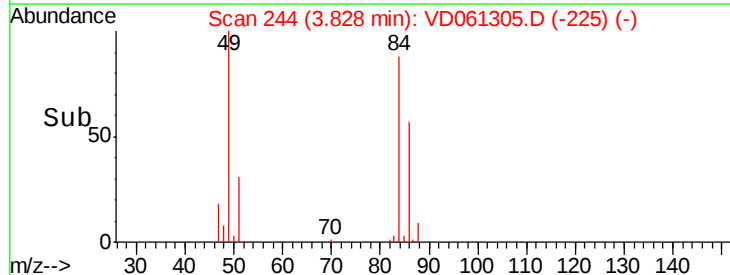
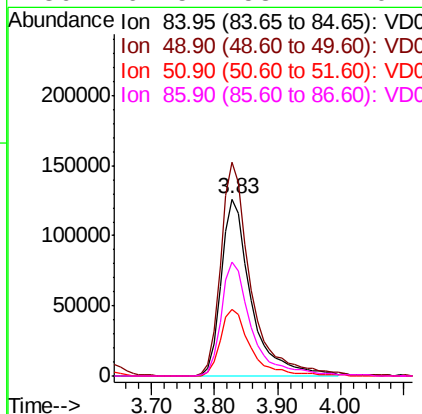
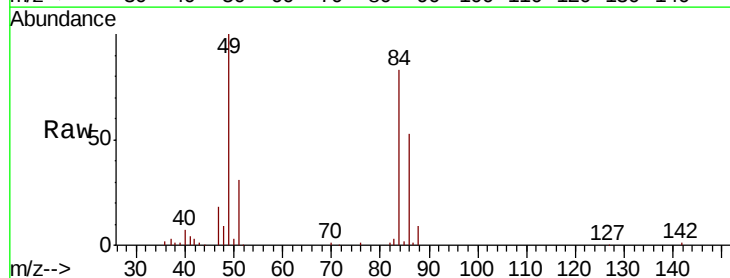
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

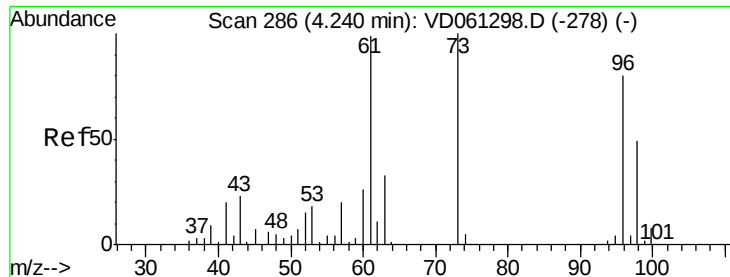
Tot Ion: 73 Resp: 668650  
Ion Ratio Lower Upper  
73 100  
57 20.4 16.3 24.5



#20  
Methylene Chloride  
Concen: 51.152 ug/l  
RT: 3.83 min Scan# 244  
Delta R.T. -0.01 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 84 Resp: 417012  
Ion Ratio Lower Upper  
84 100  
49 120.6 96.8 145.2  
51 37.7 29.9 44.9  
86 64.5 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 58.181 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

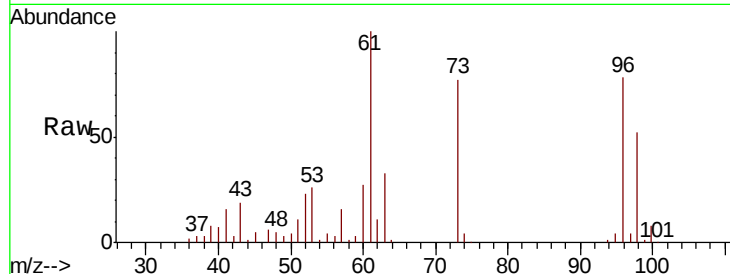
Tot Ion: 96 Resp: 437361

Ion Ratio Lower Upper

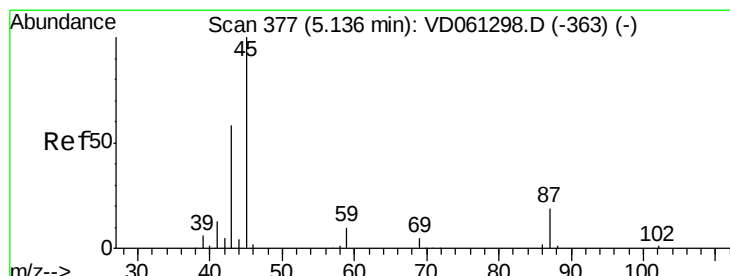
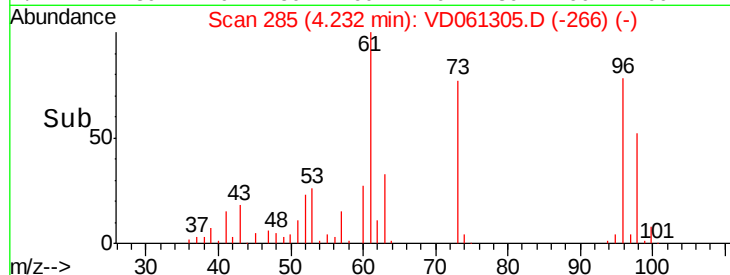
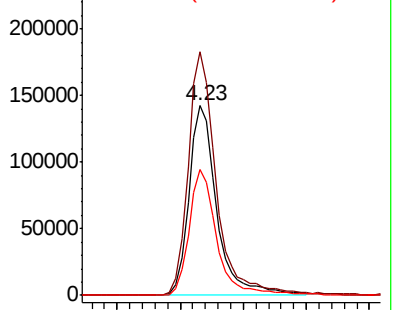
96 100

61 128.4 99.2 148.8

98 66.2 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.721 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion: 45 Resp: 1098824

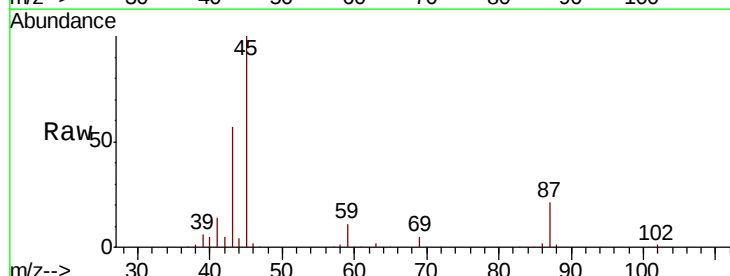
Ion Ratio Lower Upper

45 100

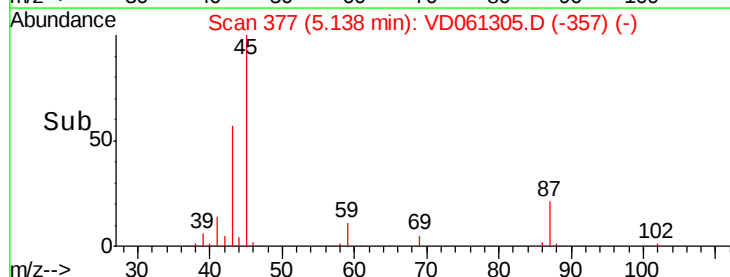
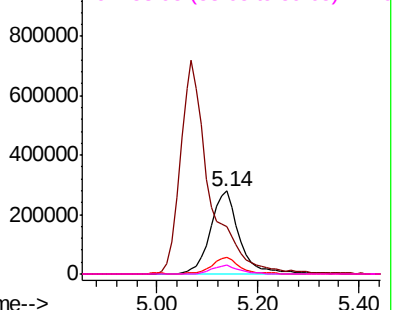
43 57.4 46.7 70.1

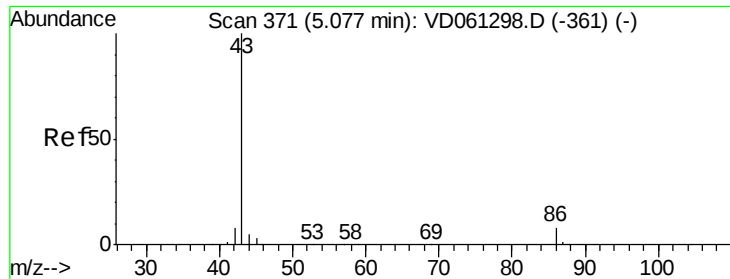
87 20.7 15.5 23.3

59 10.8 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 268.901 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

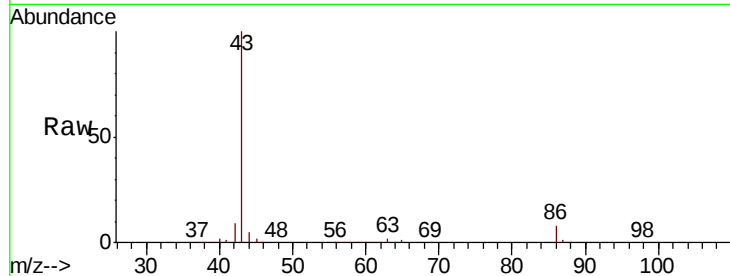
WP022SB441-190319-(23-25)MS

Tot Ion: 43 Resp: 2883921

Ion Ratio Lower Upper

43 100

86 8.4 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VD061305.D (-351) (-)

Ion 86.00 (85.70 to 86.70): VD061305.D (-351) (-)

5.07

800000

600000

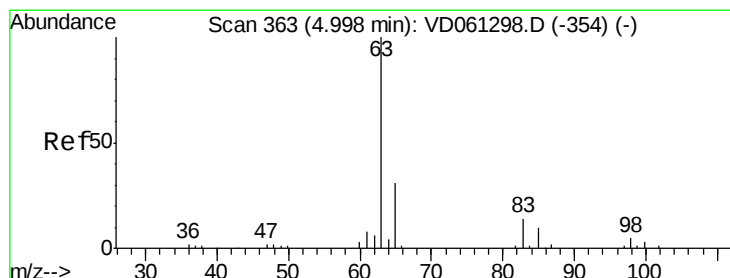
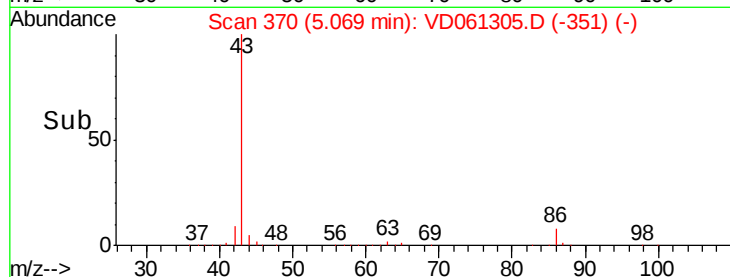
400000

200000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 55.408 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

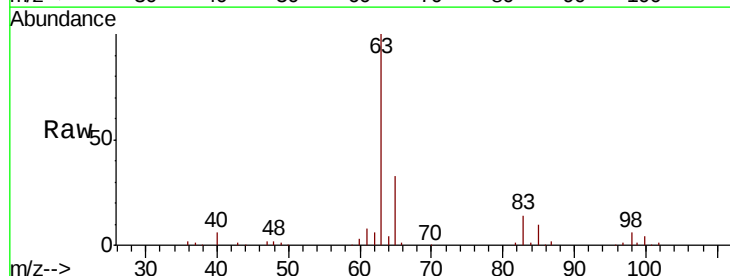
Tgt Ion: 63 Resp: 648368

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.9 1.6 4.8



Abundance Ion 62.95 (62.65 to 63.65): VD061305.D (-343) (-)

Ion 97.95 (97.65 to 98.65): VD061305.D (-343) (-)

Ion 99.95 (99.65 to 100.65): VD061305.D (-343) (-)

200000

150000

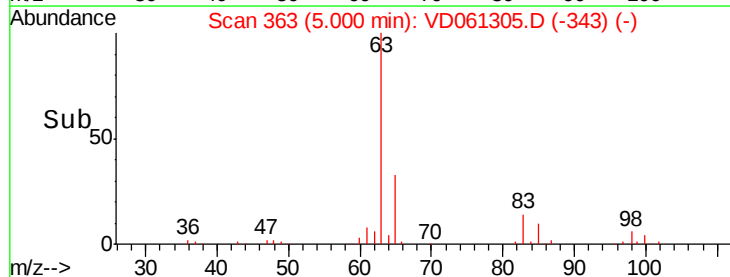
100000

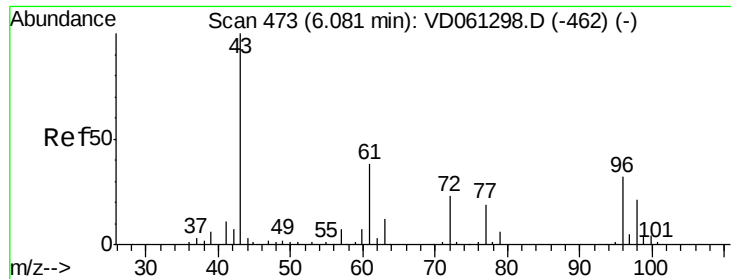
50000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 283.084 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

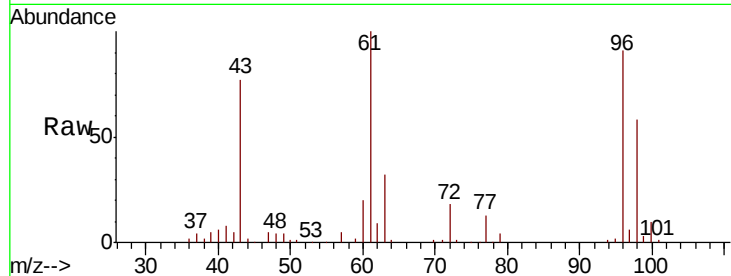
WP022SB441-190319-(23-25)MS

Tot Ion: 43 Resp: 470306

Ion Ratio Lower Upper

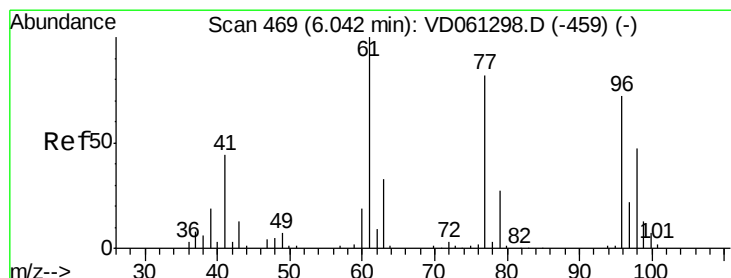
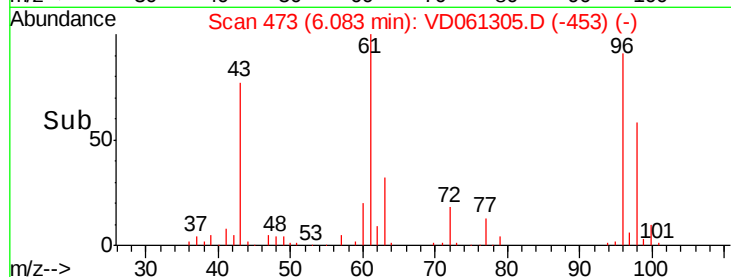
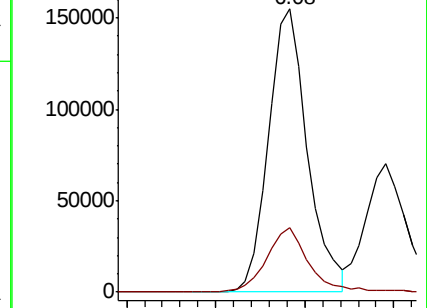
43 100

72 22.9 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.532 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061305.D

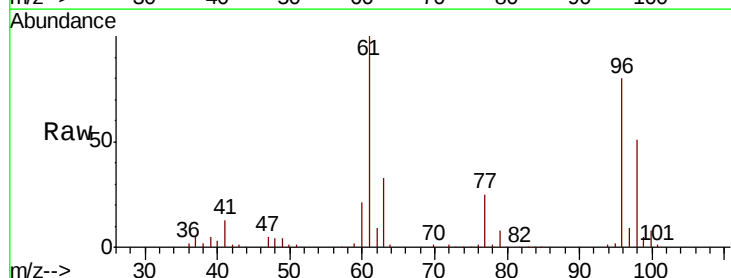
Acq: 25 Mar 2019 16:43

Tgt Ion: 77 Resp: 492158

Ion Ratio Lower Upper

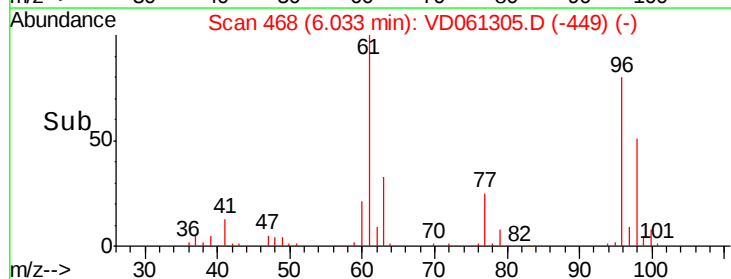
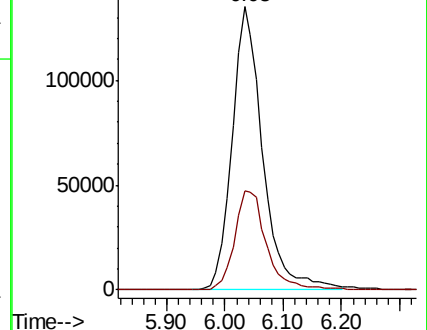
77 100

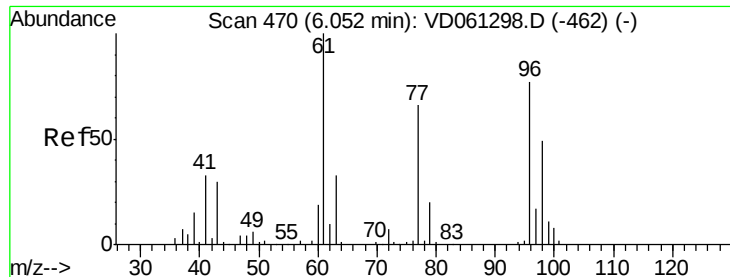
97 35.2 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



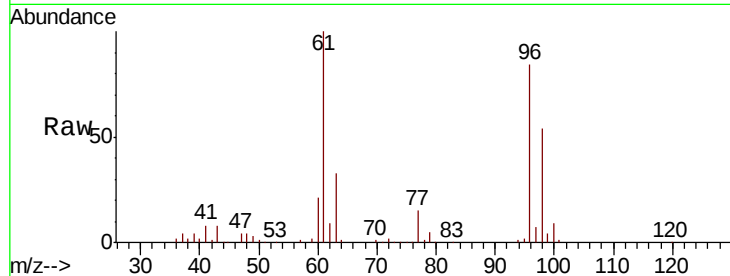


#27

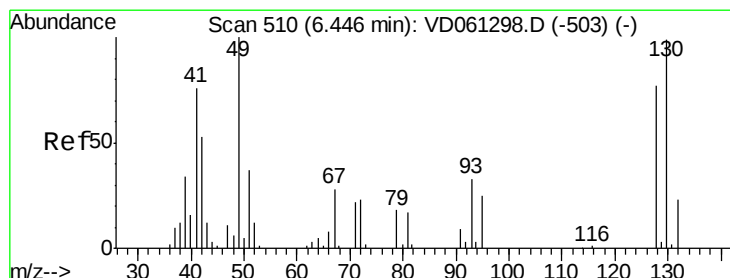
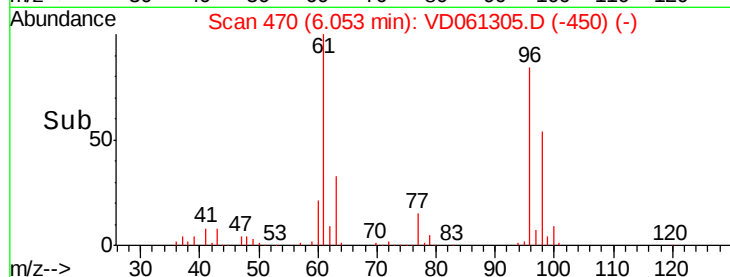
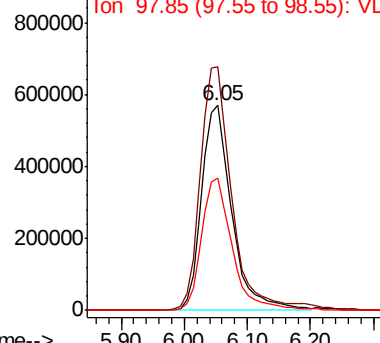
cis-1,2-Dichloroethene  
Concen: 232.447 ug/l  
RT: 6.05 min Scan# 470  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

Tot Ion: 96 Resp: 1880404  
Ion Ratio Lower Upper  
96 100  
61 119.0 0.0 261.0  
98 64.7 0.0 127.6



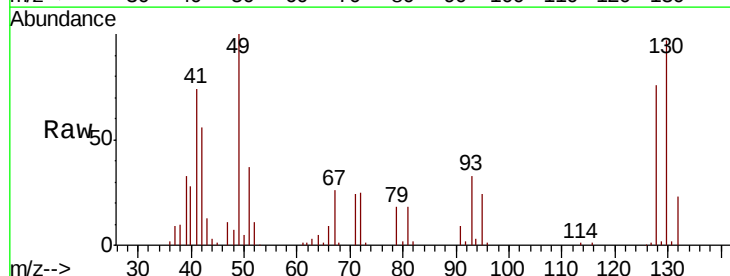
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



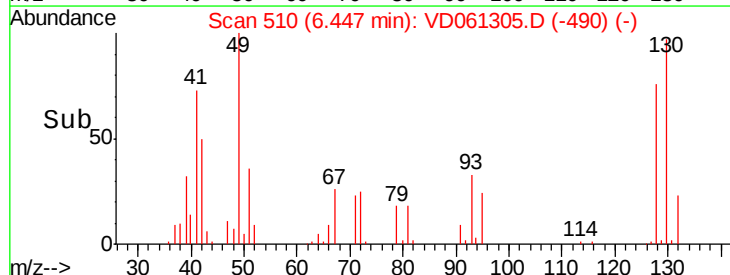
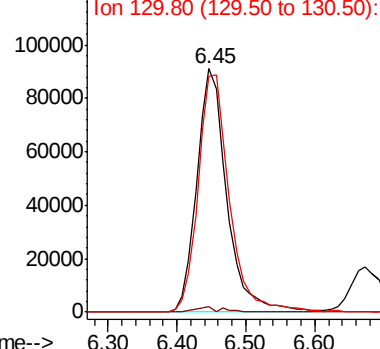
#28

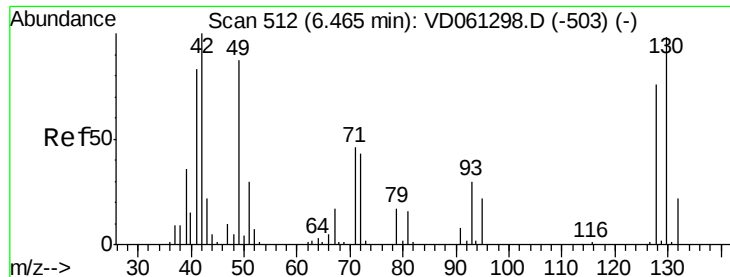
Bromochloromethane  
Concen: 55.917 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 49 Resp: 273874  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 5.2  
130 97.0 79.0 118.6



Abundance Ion 48.90 (48.60 to 49.60): VDC  
Ion 128.80 (128.50 to 129.50): VDC  
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 283.806 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

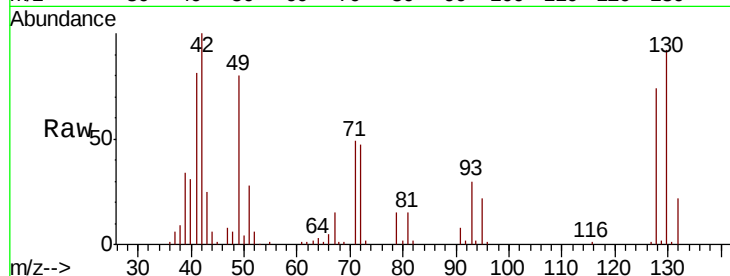
Tot Ion: 42 Resp: 234692

Ion Ratio Lower Upper

42 100

72 47.2 36.6 54.8

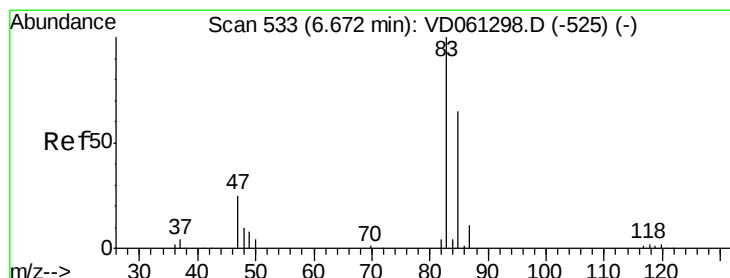
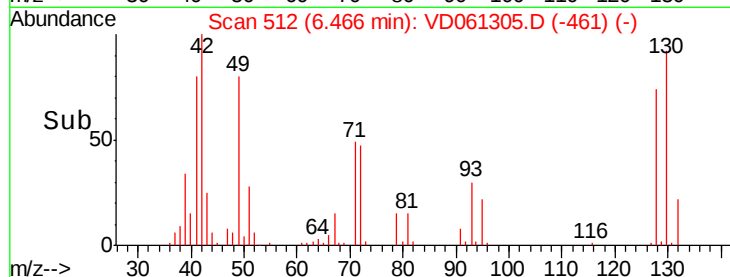
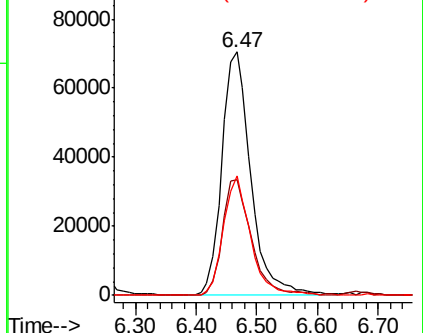
71 45.5 36.3 54.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.941 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061305.D

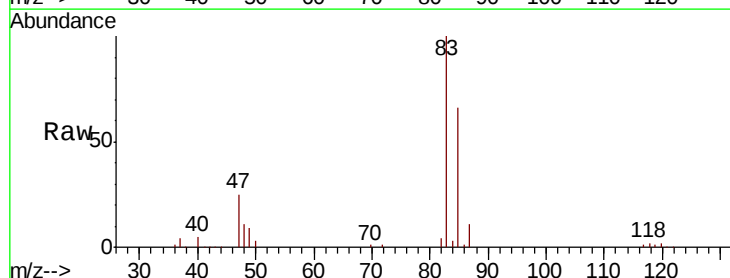
Acq: 25 Mar 2019 16:43

Tgt Ion: 83 Resp: 647694

Ion Ratio Lower Upper

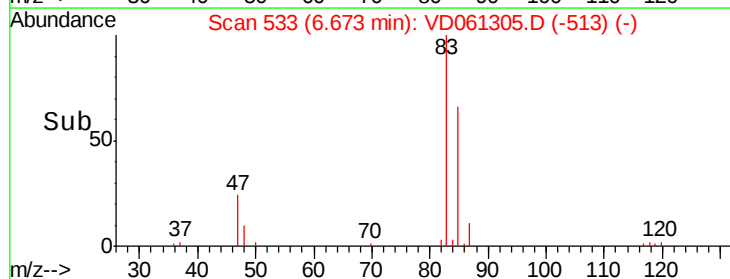
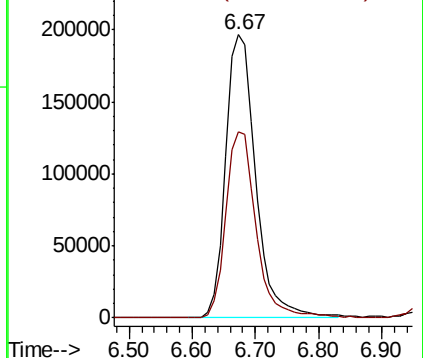
83 100

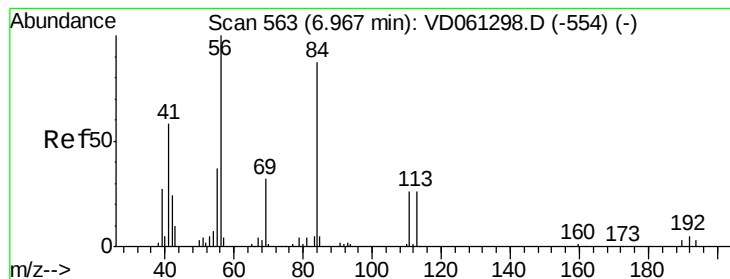
85 65.9 52.2 78.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 46.344 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

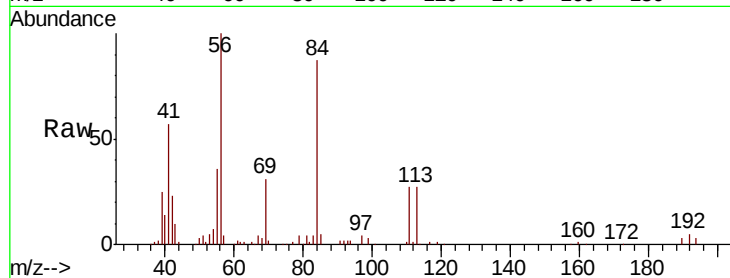
Tot Ion: 56 Resp: 440155

Ion Ratio Lower Upper

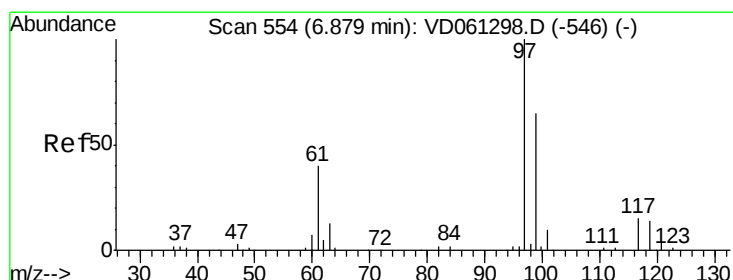
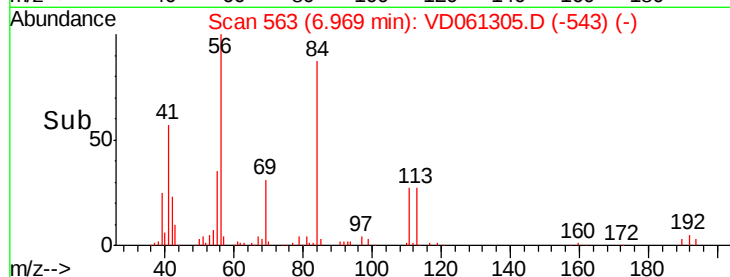
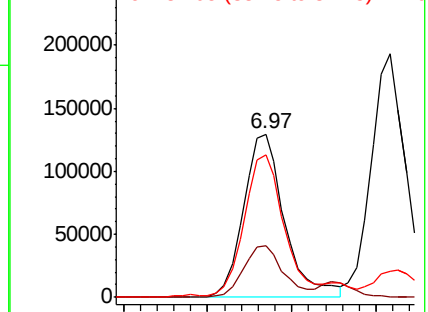
56 100

69 31.3 25.5 38.3

84 87.4 71.4 107.2



Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.950 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

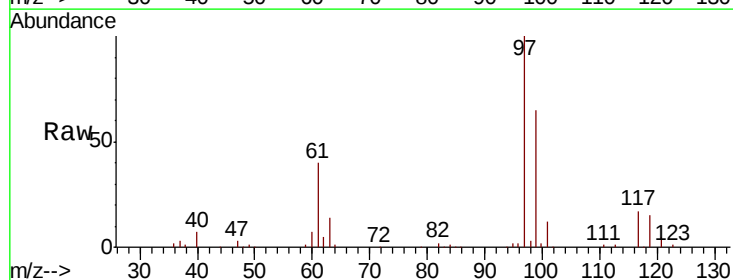
Tgt Ion: 97 Resp: 551640

Ion Ratio Lower Upper

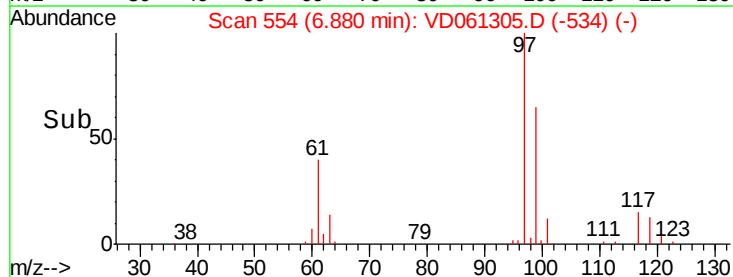
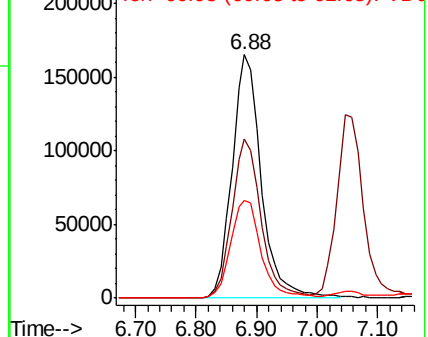
97 100

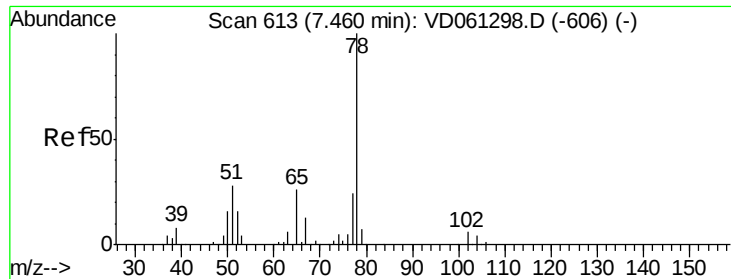
99 65.5 51.8 77.6

61 39.9 31.9 47.9



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 98.85 (98.55 to 99.55): VDC  
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.950 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

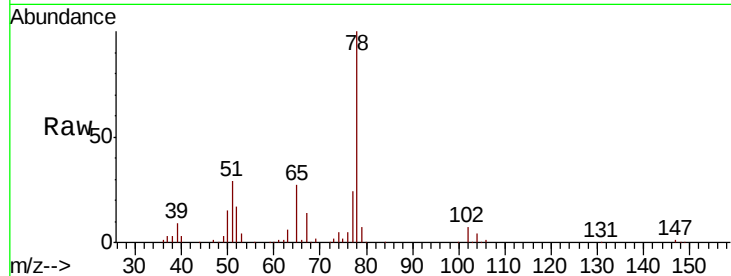
WP022SB441-190319-(23-25)MS

Tot Ion: 65 Resp: 316536

Ion Ratio Lower Upper

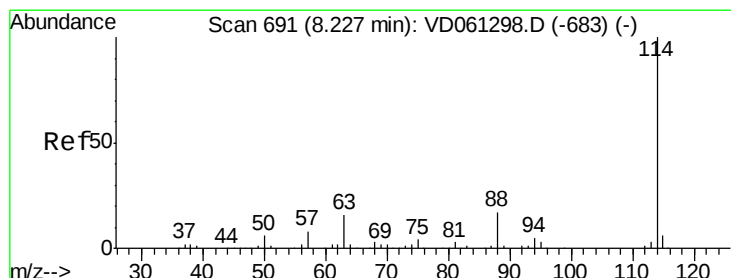
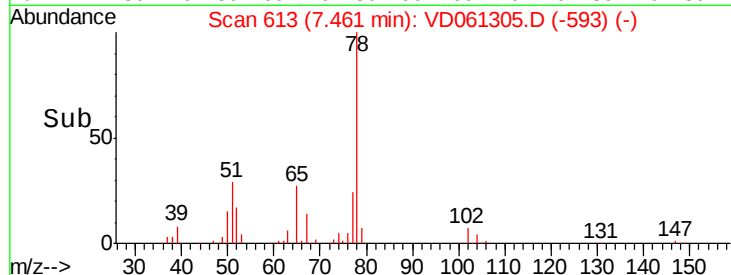
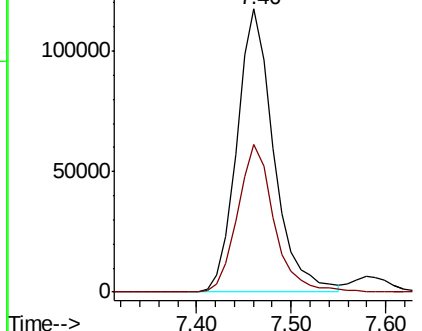
65 100

67 52.0 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

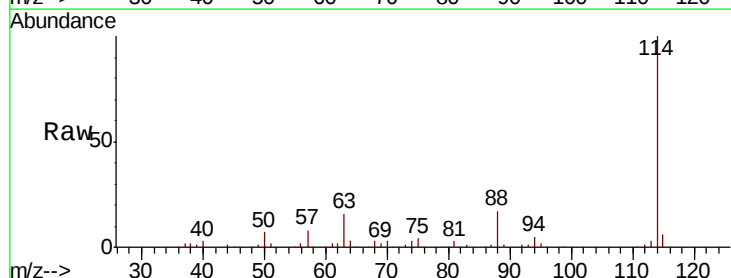
Tgt Ion:114 Resp: 1188637

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

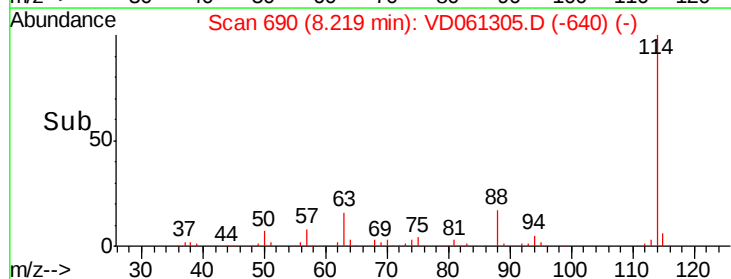
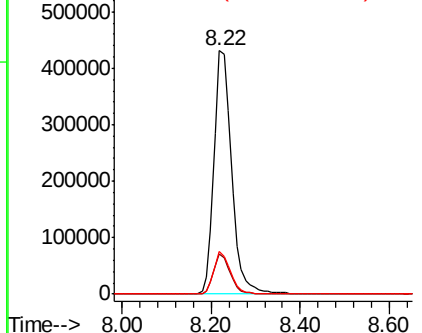
88 17.3 0.0 33.2

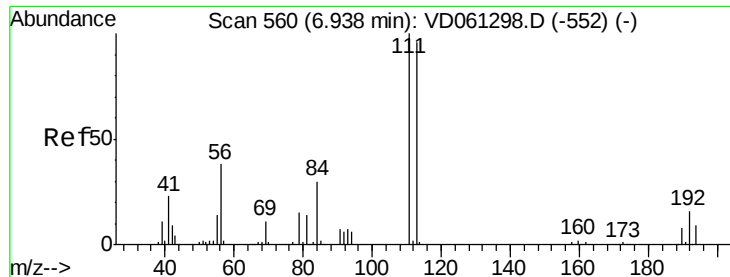


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

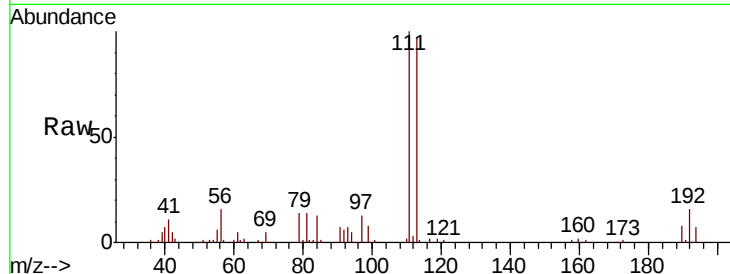
Tot Ion:113 Resp: 499130

Ion Ratio Lower Upper

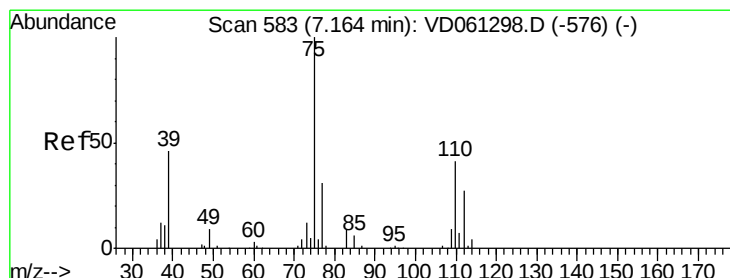
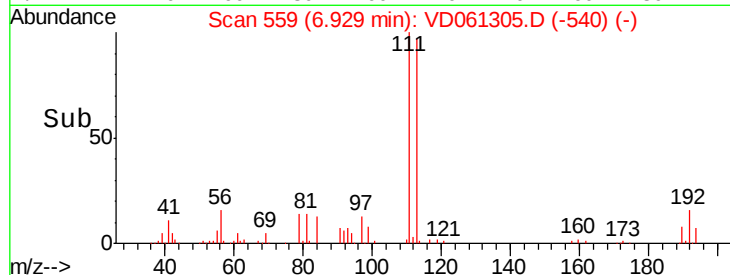
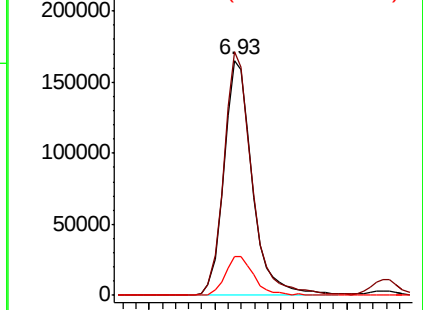
113 100

111 103.5 83.7 125.5

192 16.7 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.437 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

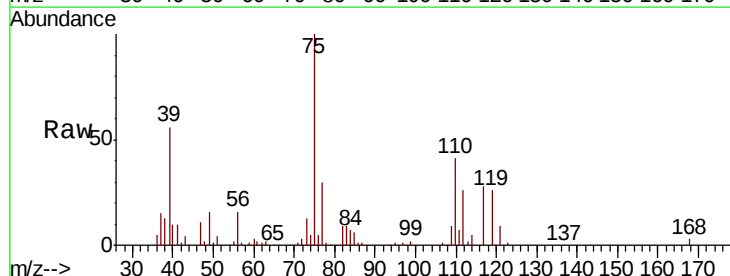
Tgt Ion: 75 Resp: 441870

Ion Ratio Lower Upper

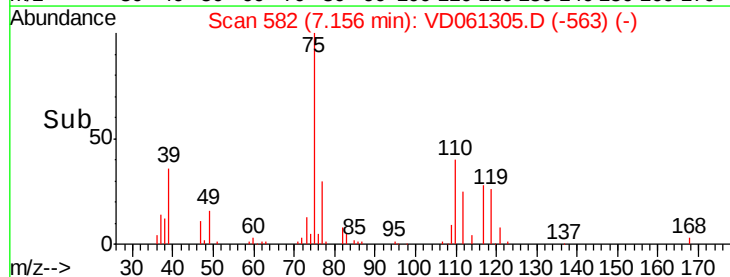
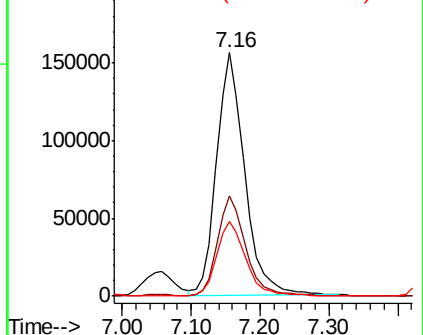
75 100

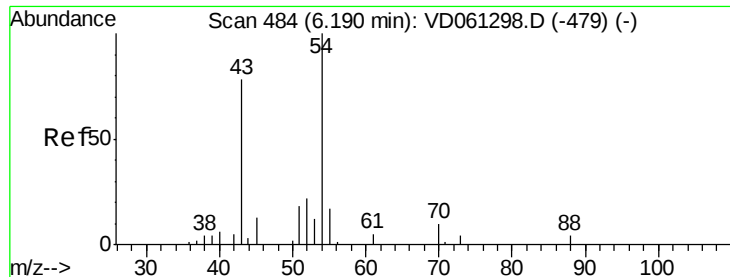
110 40.9 20.1 60.2

77 30.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): V  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 55.849 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

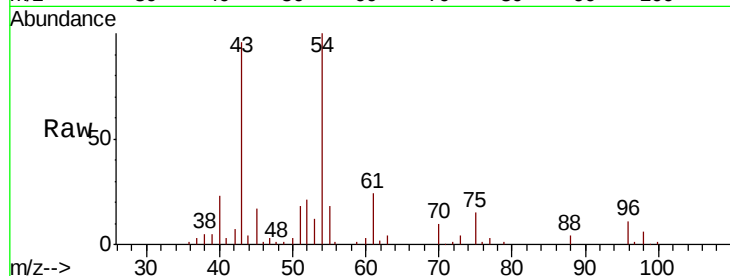
Tot Ion: 43 Resp: 226857

Ion Ratio Lower Upper

43 100

61 25.2 12.6 19.0#

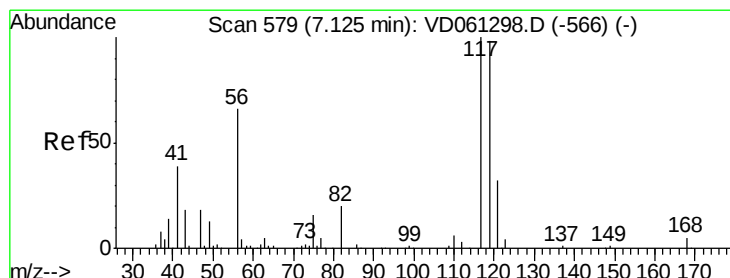
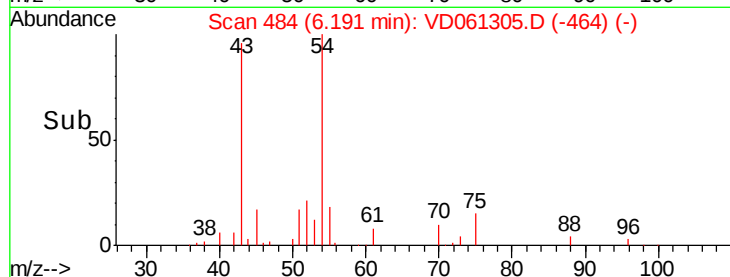
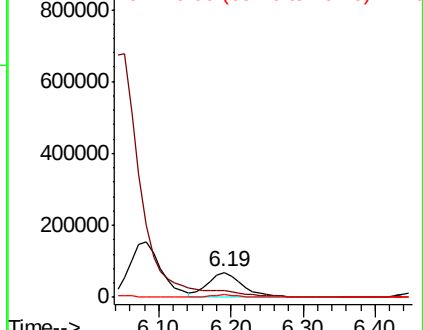
70 10.2 8.2 12.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 50.731 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

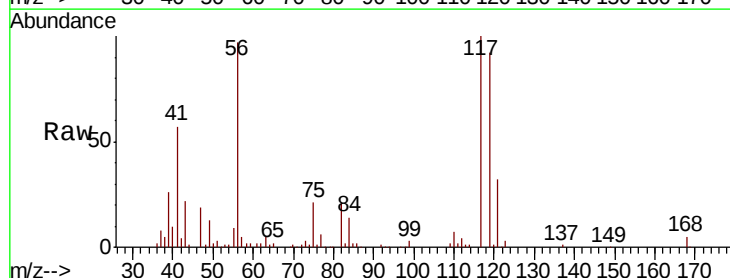
Tgt Ion: 117 Resp: 563869

Ion Ratio Lower Upper

117 100

119 91.5 78.4 117.6

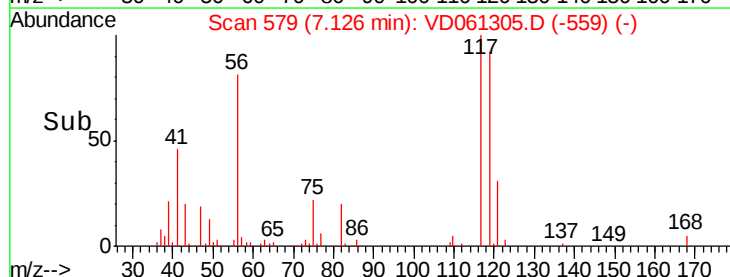
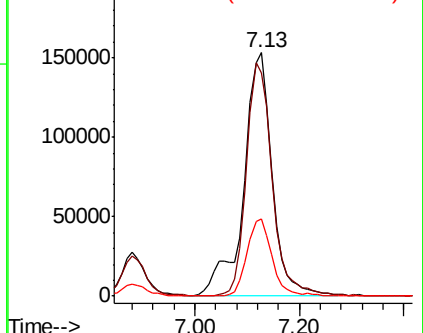
121 31.7 25.1 37.7

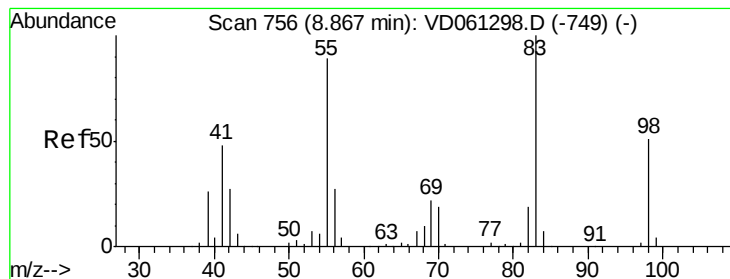


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 32.933 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

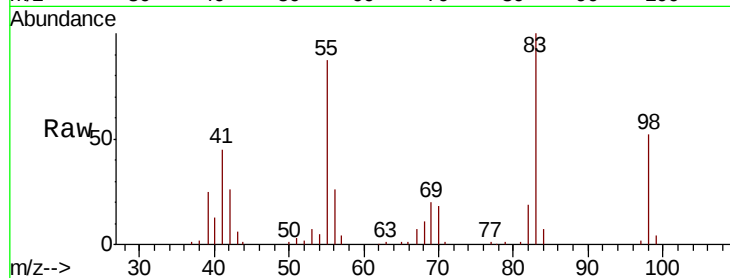
Tot Ion: 83 Resp: 331699

Ion Ratio Lower Upper

83 100

55 87.2 71.3 106.9

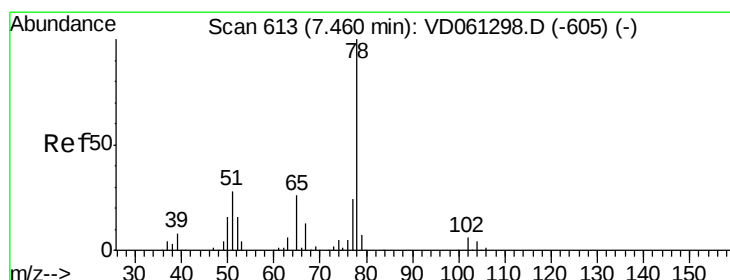
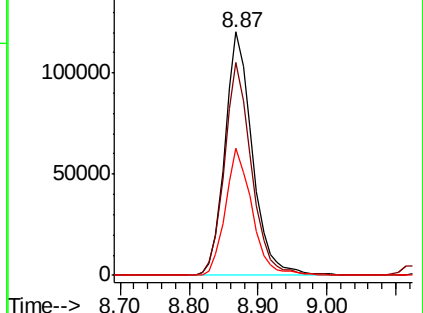
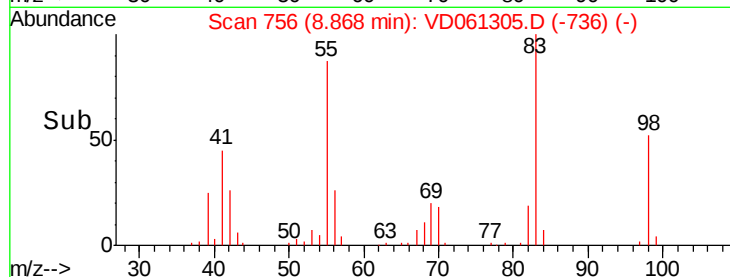
98 52.5 40.4 60.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.490 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061305.D

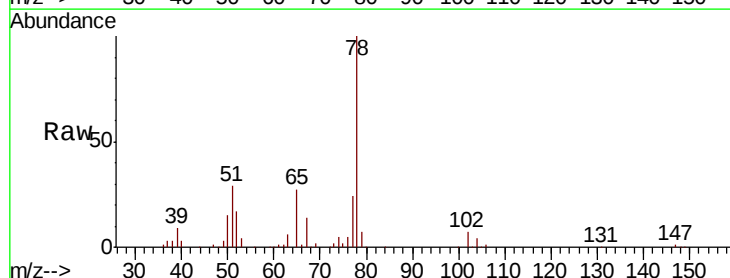
Acq: 25 Mar 2019 16:43

Tgt Ion: 78 Resp: 1243618

Ion Ratio Lower Upper

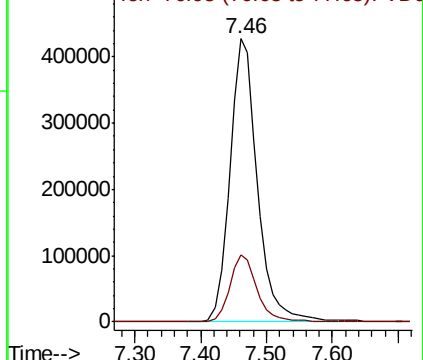
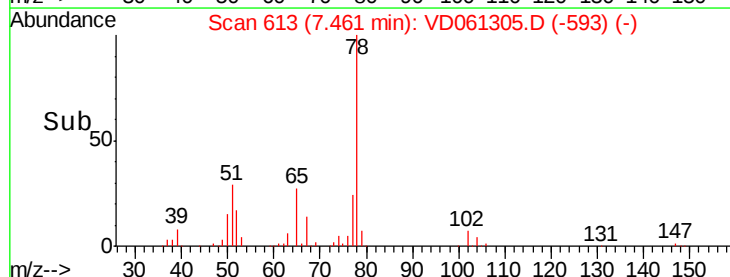
78 100

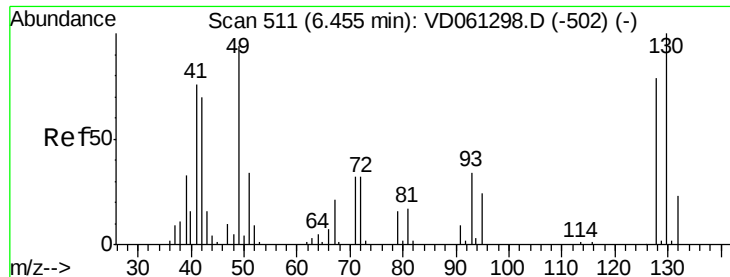
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 54.876 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 41 Resp: 259026

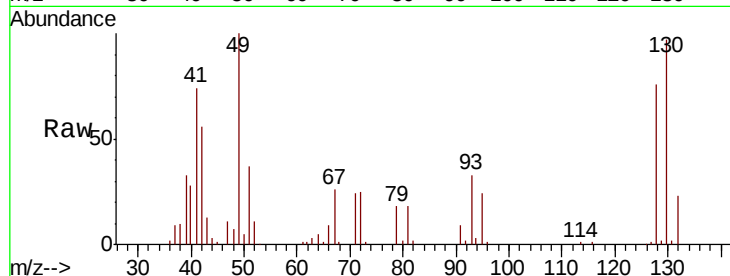
Ion Ratio Lower Upper

41 100

39 45.0 34.2 51.2

67 34.6 21.8 32.6#

52 14.9 9.0 13.4#

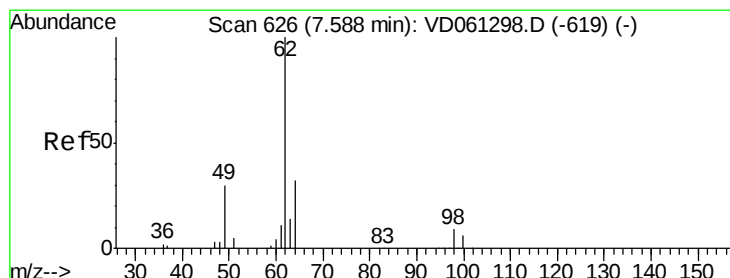
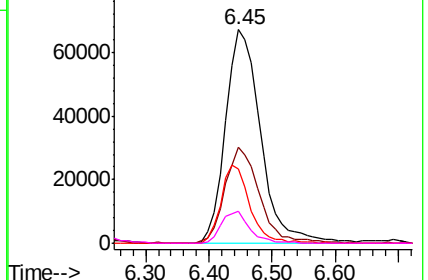
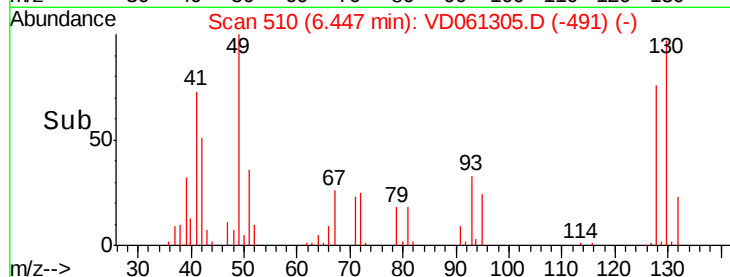


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.239 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.00 min

Lab File: VD061305.D

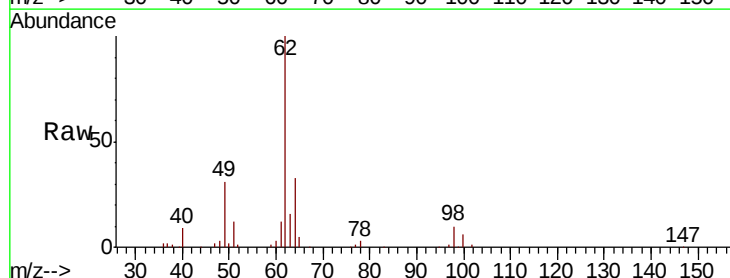
Acq: 25 Mar 2019 16:43

Tgt Ion: 62 Resp: 378167

Ion Ratio Lower Upper

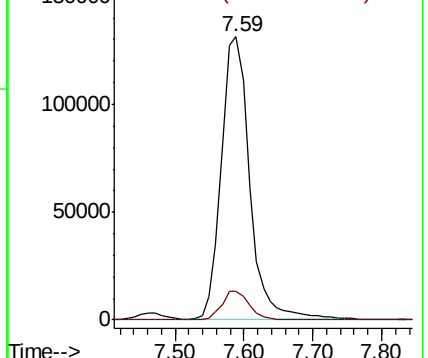
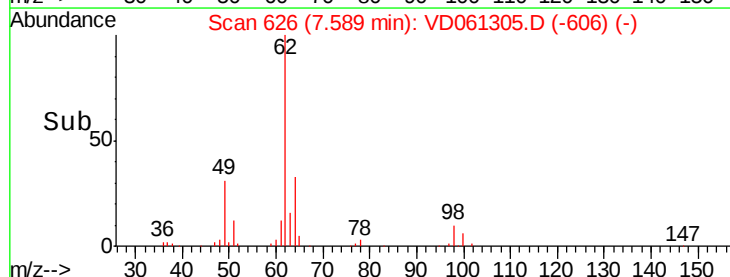
62 100

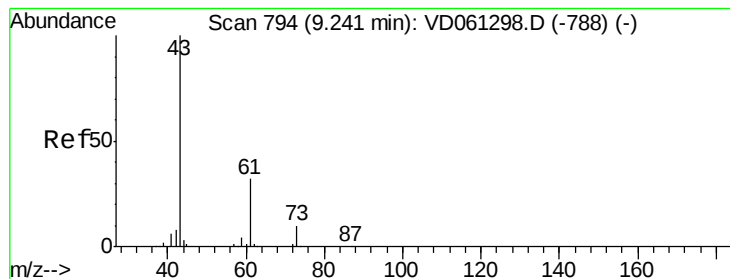
98 10.0 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 55.178 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

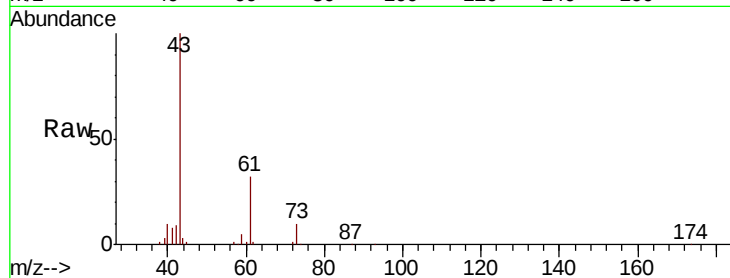
Tot Ion: 43 Resp: 323166

Ion Ratio Lower Upper

43 100

61 32.4 25.8 38.8

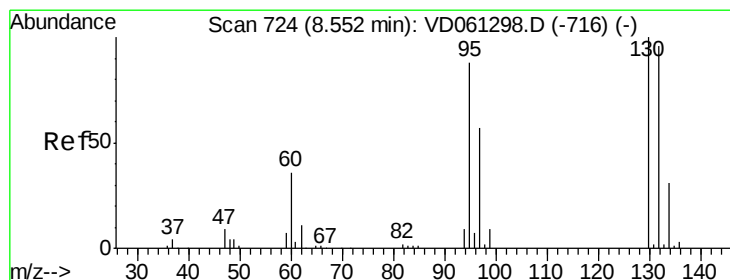
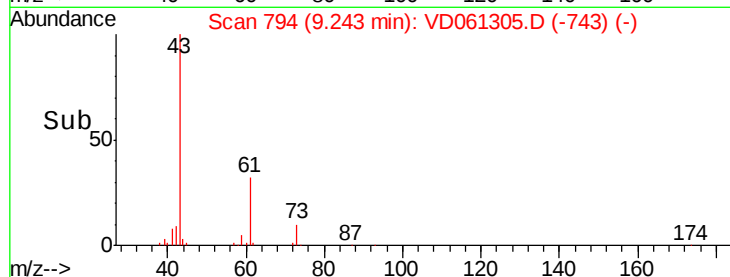
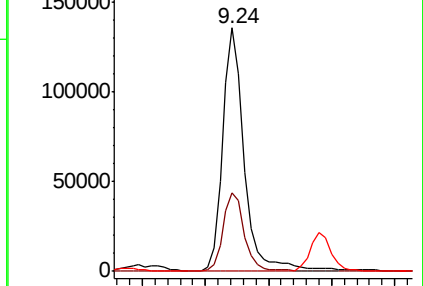
87 0.2 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.964 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061305.D

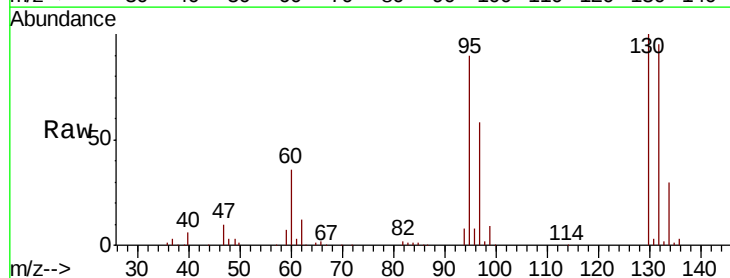
Acq: 25 Mar 2019 16:43

Tgt Ion:130 Resp: 453899

Ion Ratio Lower Upper

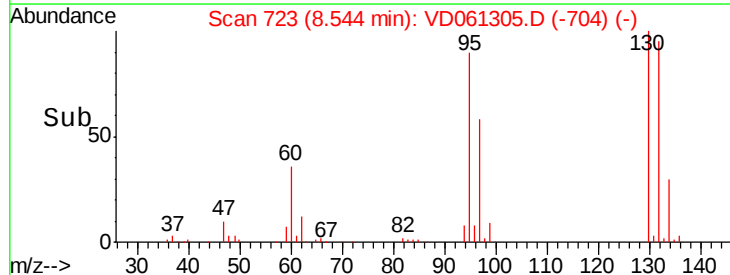
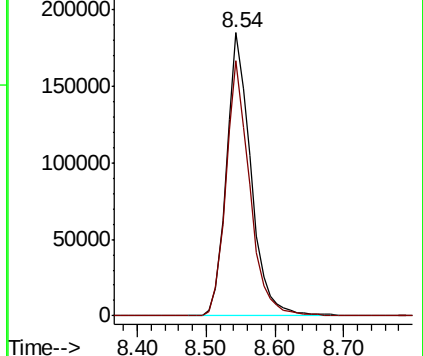
130 100

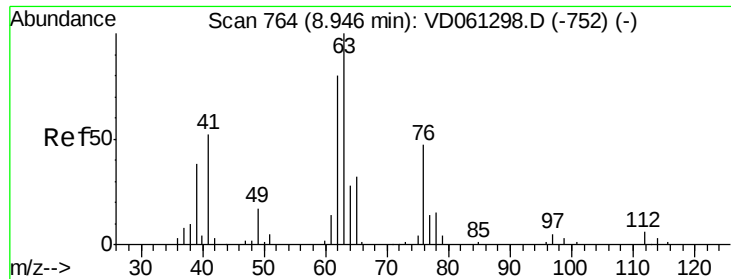
95 90.3 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.139 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

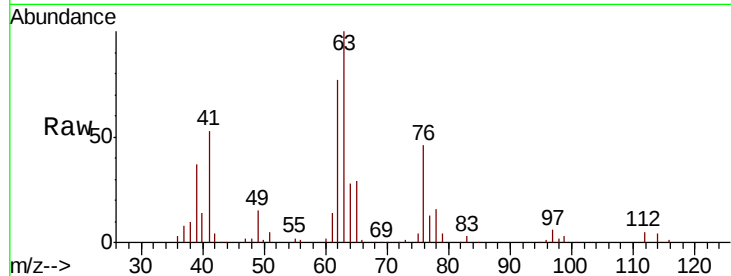
WP022SB441-190319-(23-25)MS

Tot Ion: 63 Resp: 310806

Ion Ratio Lower Upper

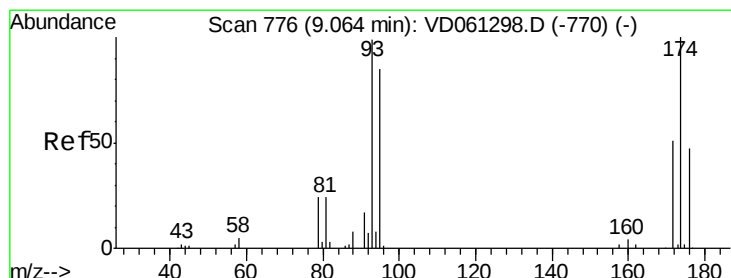
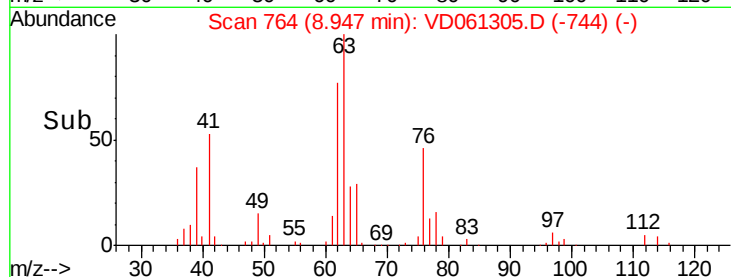
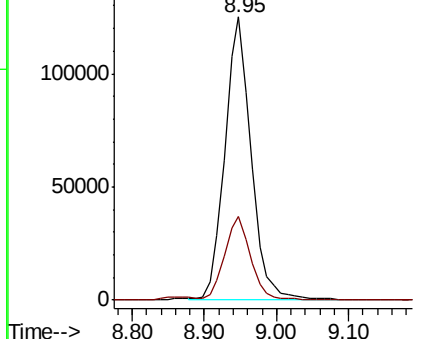
63 100

65 29.4 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.129 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

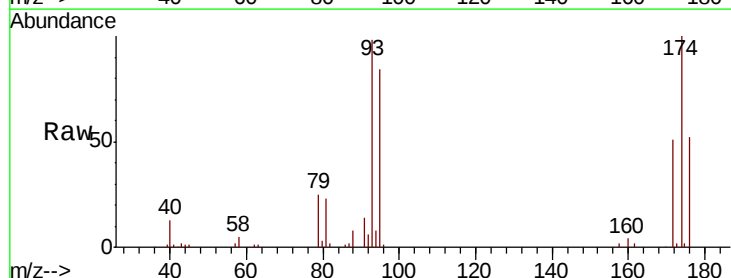
Tgt Ion: 93 Resp: 208916

Ion Ratio Lower Upper

93 100

95 85.2 68.1 102.1

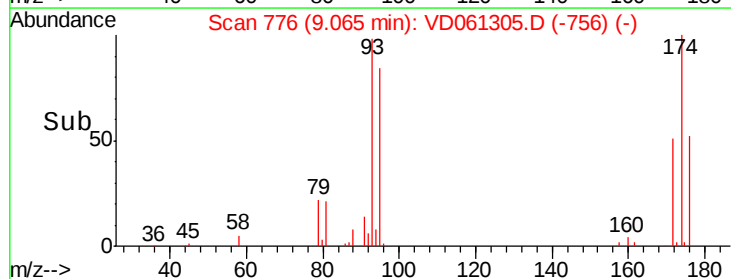
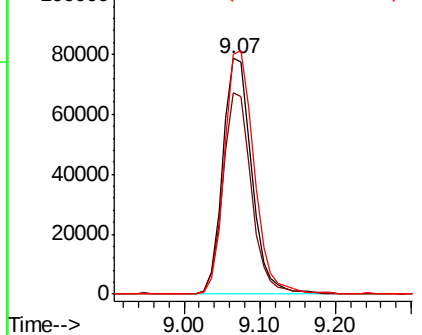
174 101.8 80.4 120.6

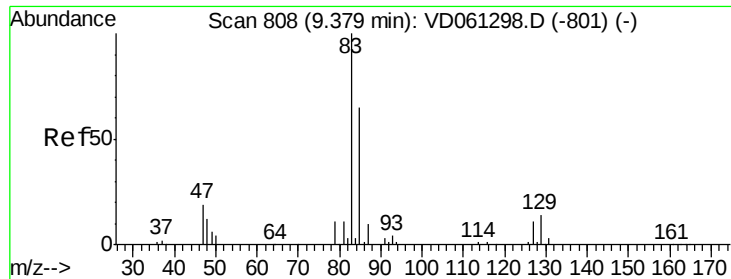


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 49.874 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

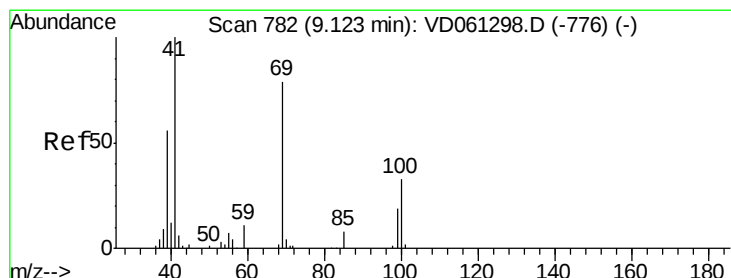
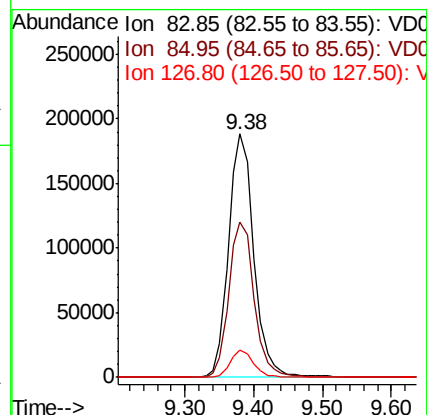
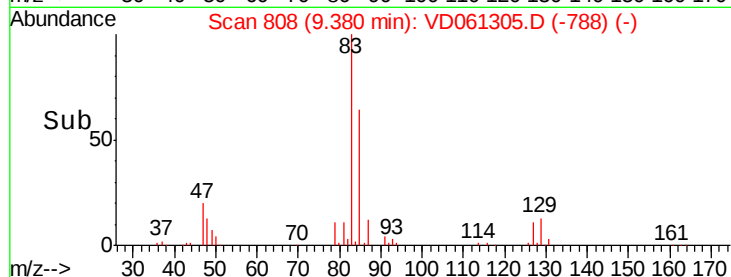
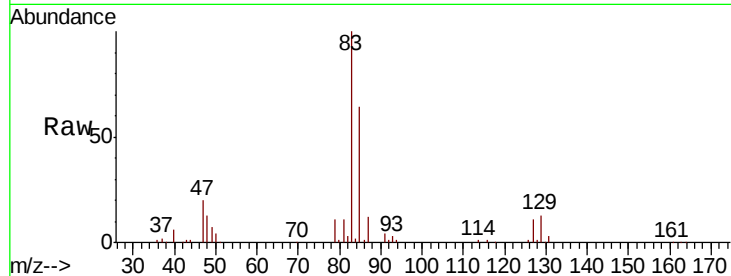
Tot Ion: 83 Resp: 477651

Ion Ratio Lower Upper

83 100

85 63.9 51.7 77.5

127 11.4 8.8 13.2



#48

Methyl methacrylate

Concen: 56.521 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

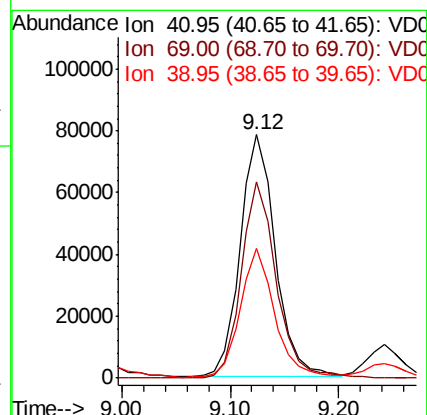
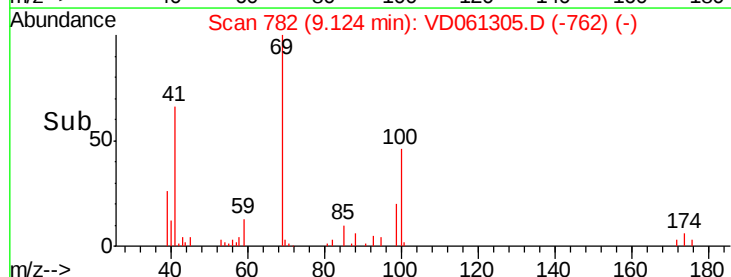
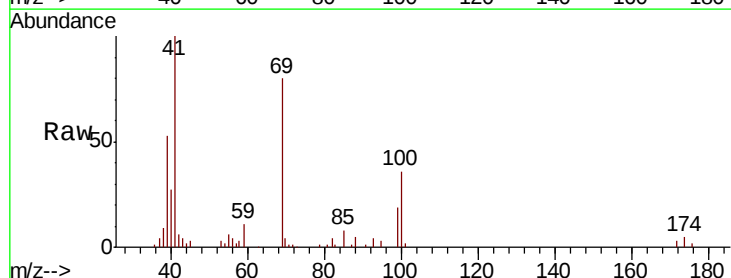
Tgt Ion: 41 Resp: 176686

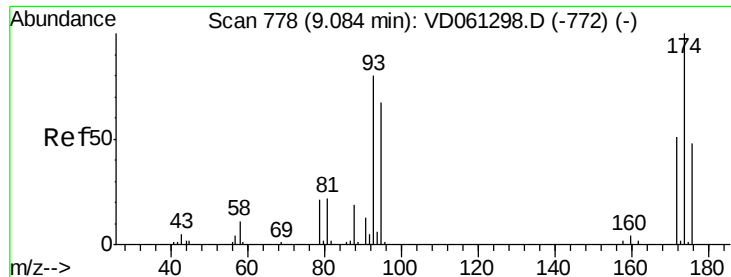
Ion Ratio Lower Upper

41 100

69 80.4 62.4 93.6

39 53.2 44.9 67.3

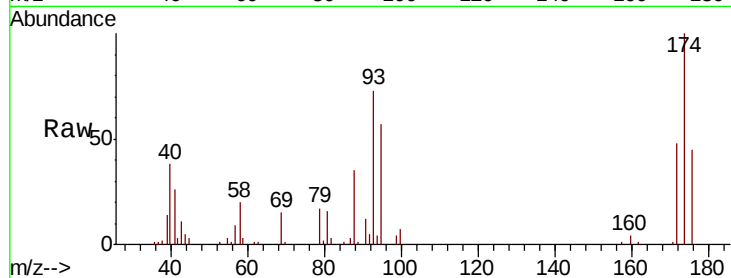




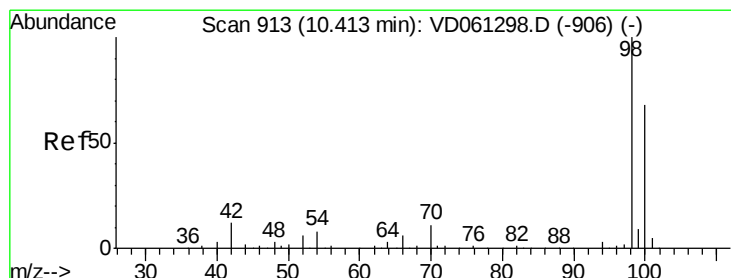
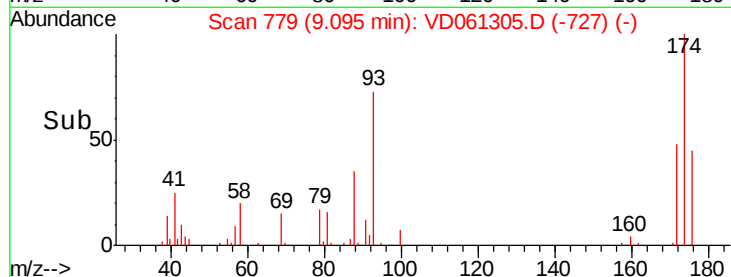
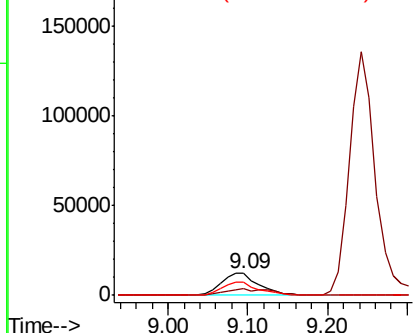
#49  
 1,4-Dioxane  
 Concen: 1172.733 ug/l  
 RT: 9.09 min Scan# 779  
 Delta R.T. 0.01 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

Tot Ion: 88 Resp: 40223  
 Ion Ratio Lower Upper  
 88 100  
 43 31.1 20.7 31.1#  
 58 58.0 44.9 67.3

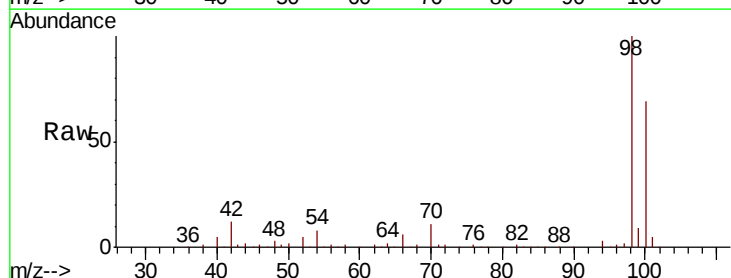


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

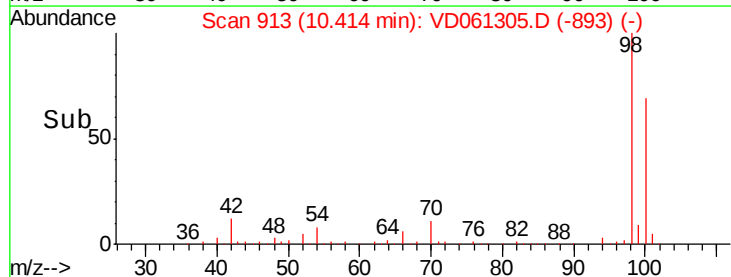
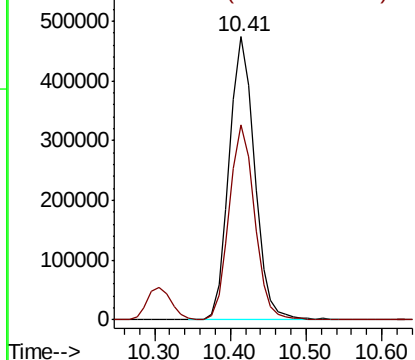


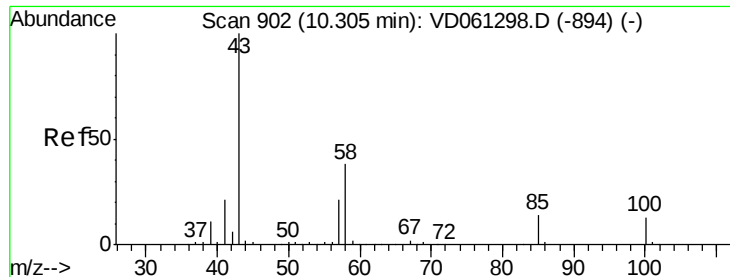
#50  
 Toluene-d8  
 Concen: 1172.733 ug/l  
 RT: 10.41 min Scan# 913  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion: 98 Resp: 1101042  
 Ion Ratio Lower Upper  
 98 100  
 100 69.1 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC  
 Ion 100.05 (99.75 to 100.75): VDC

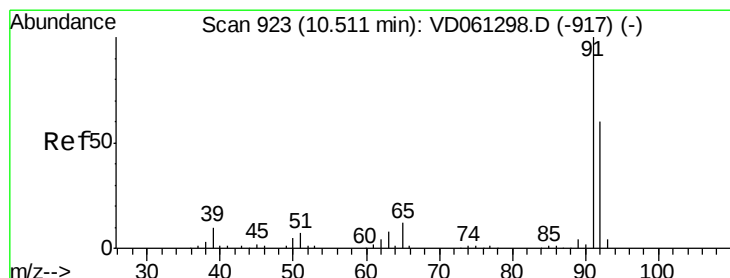
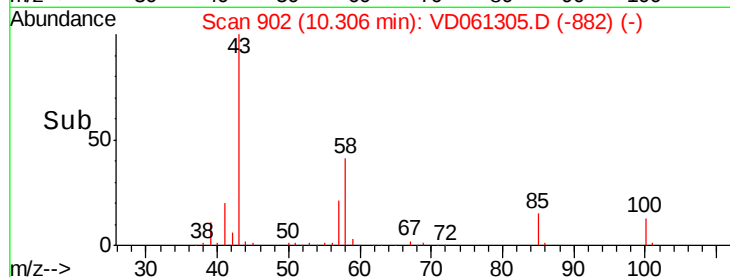
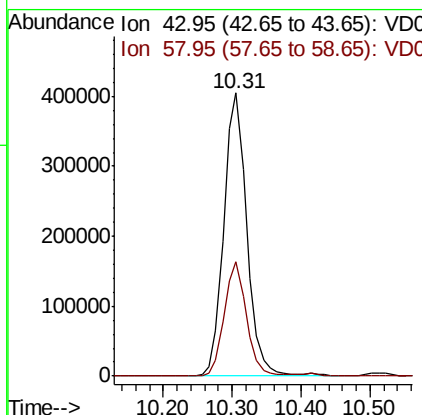
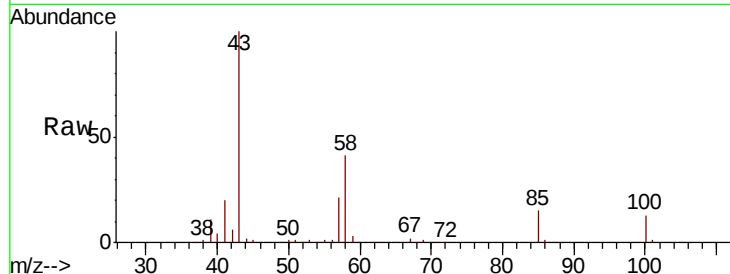




#51  
 4-Methyl-2-Pentanone  
 Concen: 269.928 ug/l  
 RT: 10.31 min Scan# 902  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

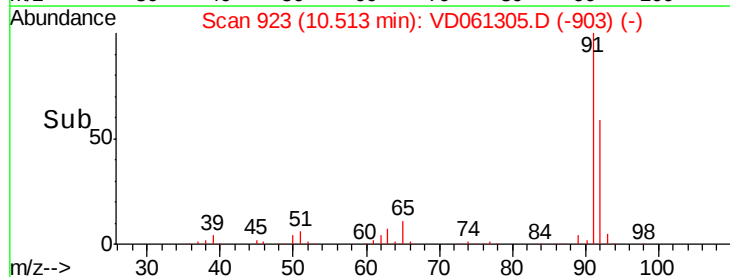
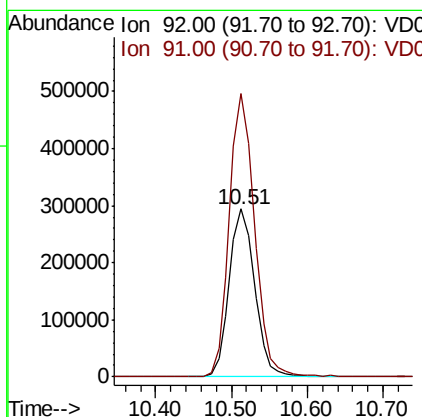
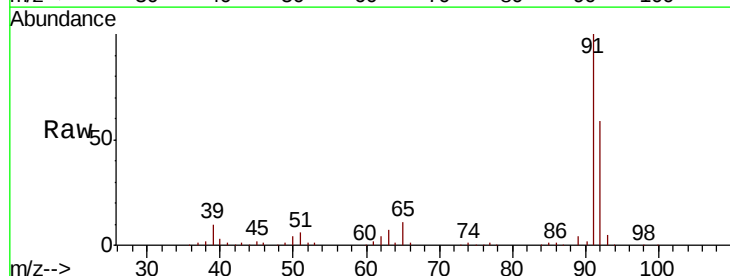
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

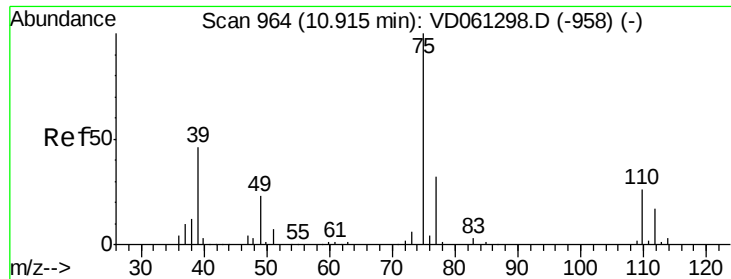
Tot Ion: 43 Resp: 941115  
 Ion Ratio Lower Upper  
 43 100  
 58 40.5 30.6 45.8



#52  
 Toluene  
 Concen: 46.524 ug/l  
 RT: 10.51 min Scan# 923  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion: 92 Resp: 687544  
 Ion Ratio Lower Upper  
 92 100  
 91 168.8 133.1 199.7

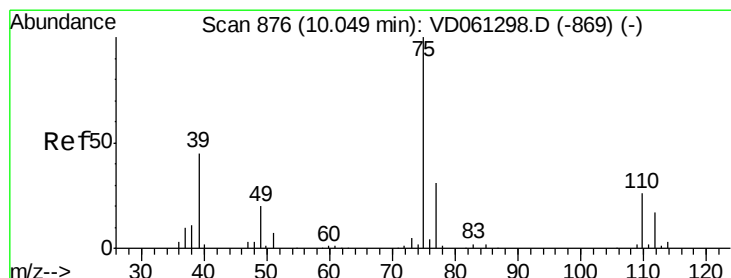
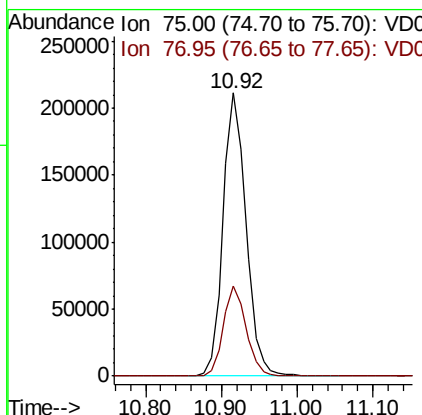
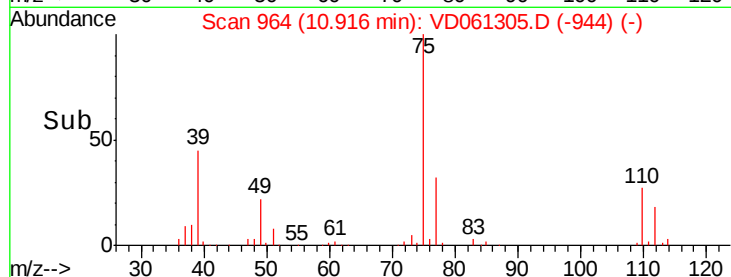
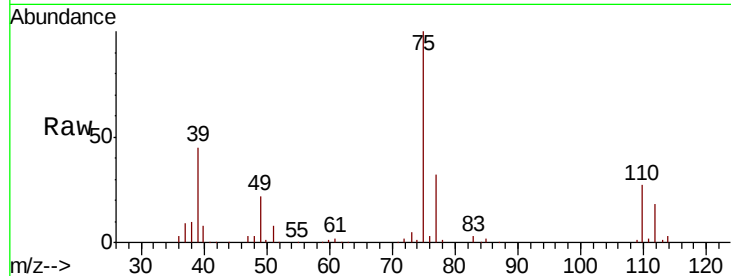




#53  
 t-1,3-Dichloropropene  
 Concen: 53.580 ug/l  
 RT: 10.92 min Scan# 964  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

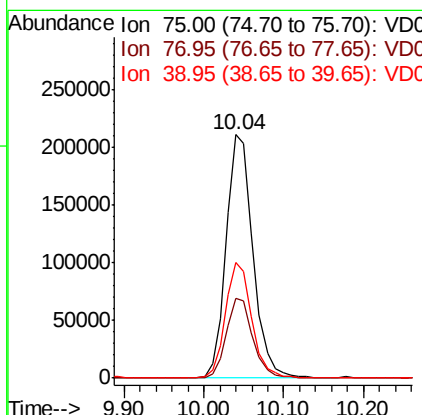
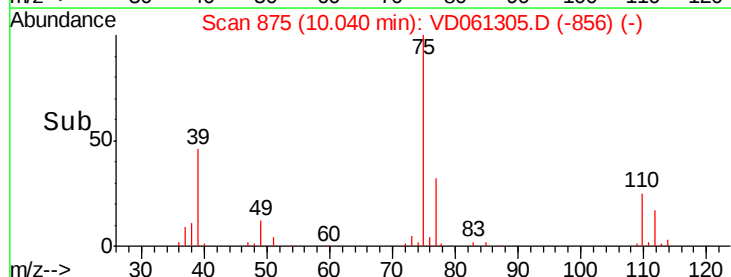
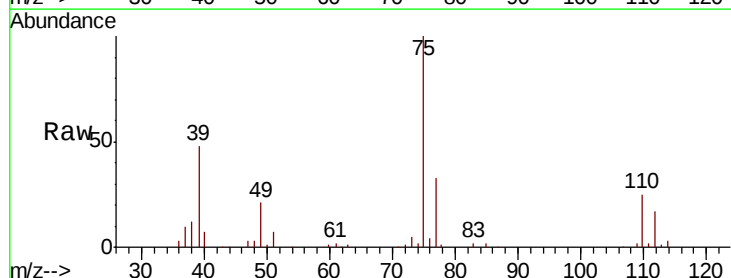
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

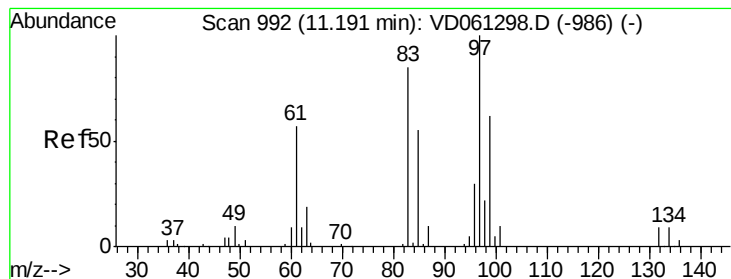
Tot Ion: 75 Resp: 445957  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.8 38.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.229 ug/l  
 RT: 10.04 min Scan# 875  
 Delta R.T. -0.01 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion: 75 Resp: 500336  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 24.9 37.3  
 39 47.7 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 50.815 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 97 Resp: 249315

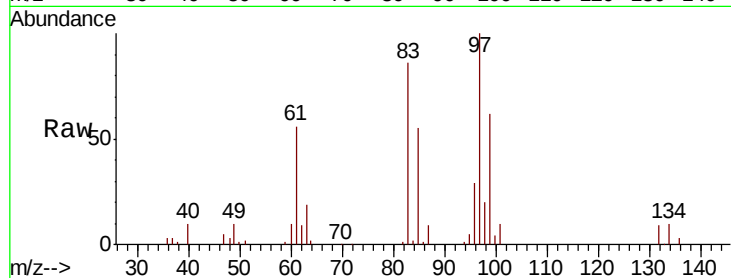
Ion Ratio Lower Upper

97 100

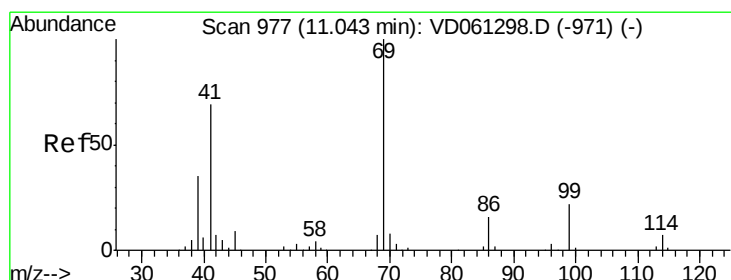
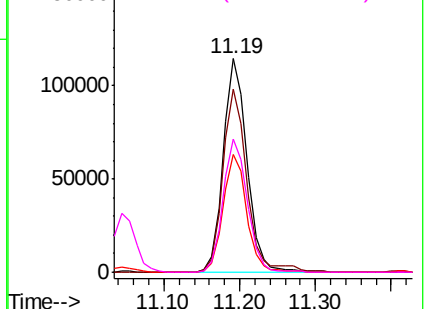
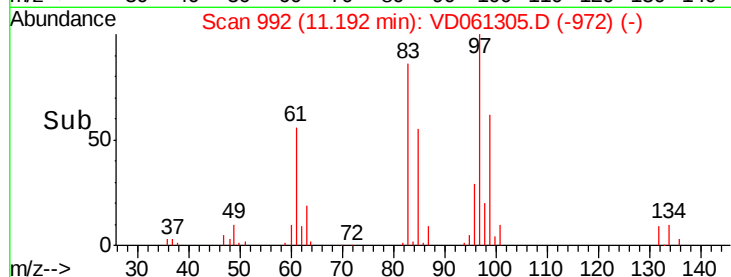
83 85.6 67.7 101.5

85 55.3 43.8 65.8

99 62.3 49.8 74.6



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 82.95 (82.65 to 83.65): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.113 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

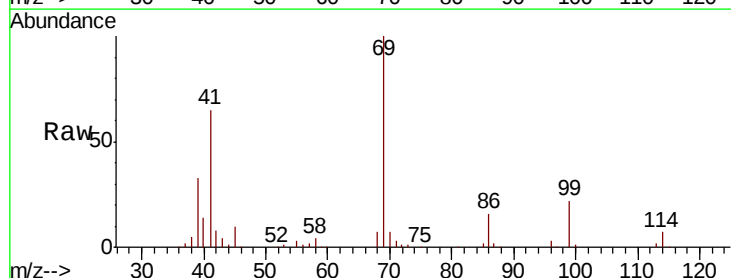
Tgt Ion: 69 Resp: 288543

Ion Ratio Lower Upper

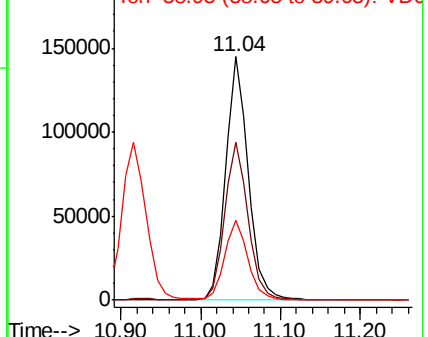
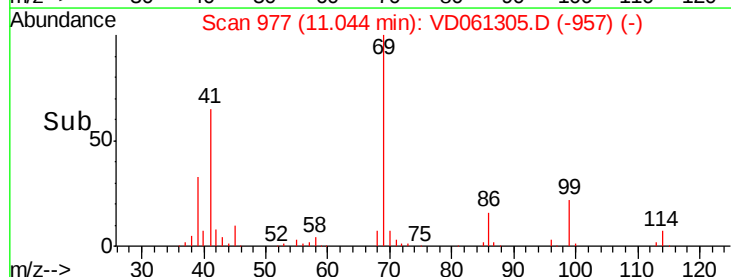
69 100

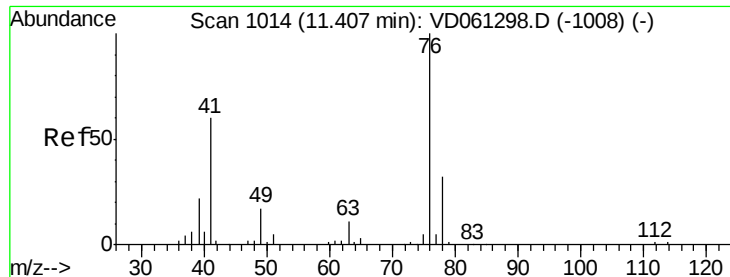
41 64.7 54.9 82.3

39 32.9 28.5 42.7



Abundance Ion 69.00 (68.70 to 69.70): VDC  
Ion 41.05 (40.75 to 41.75): VDC  
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.431 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

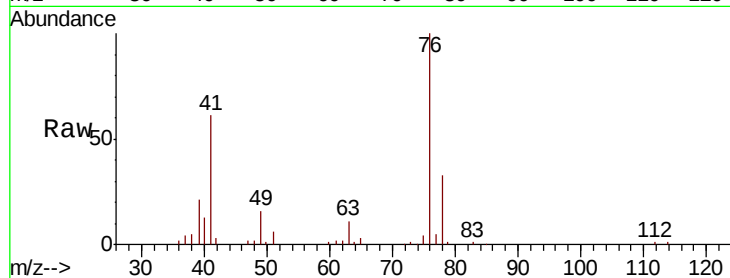
WP022SB441-190319-(23-25)MS

Tot Ion: 76 Resp: 388510

Ion Ratio Lower Upper

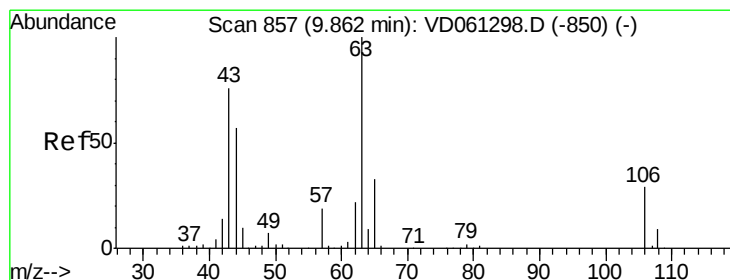
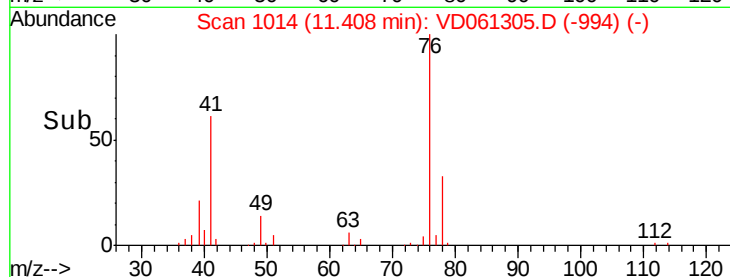
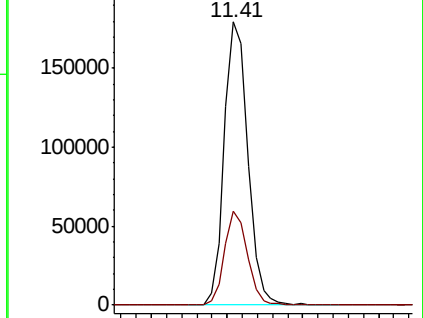
76 100

78 33.0 25.7 38.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 270.344 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061305.D

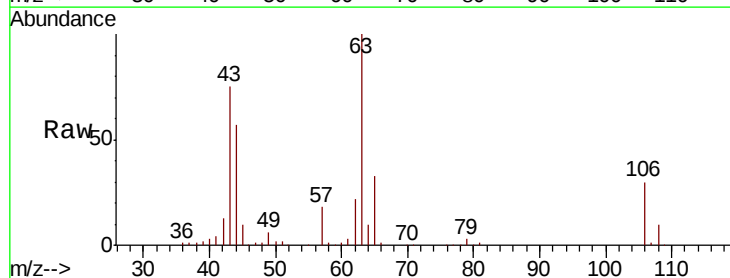
Acq: 25 Mar 2019 16:43

Tgt Ion: 63 Resp: 736339

Ion Ratio Lower Upper

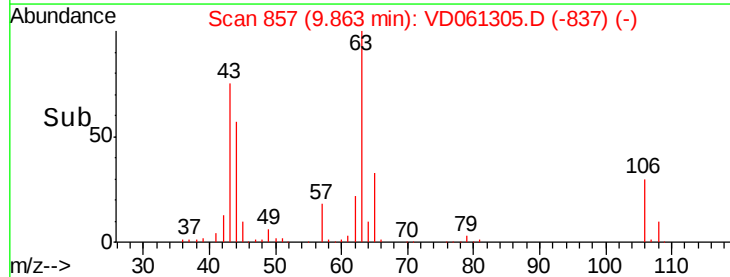
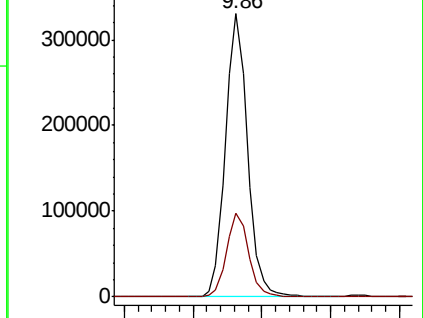
63 100

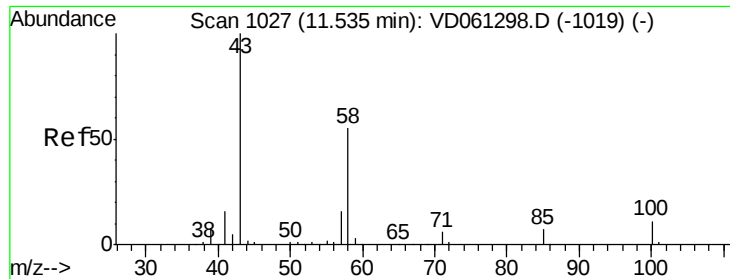
106 29.7 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

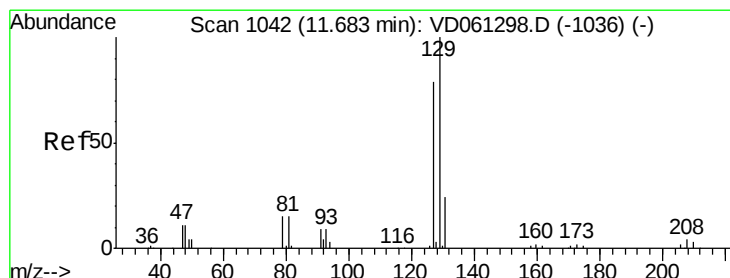
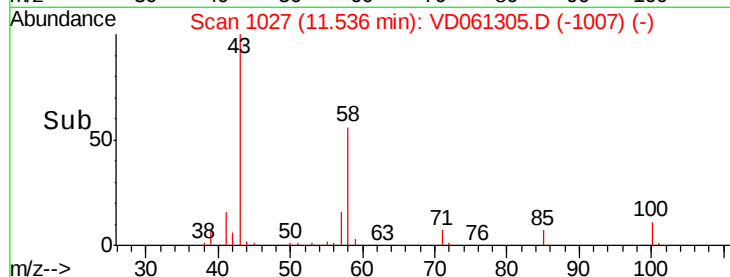
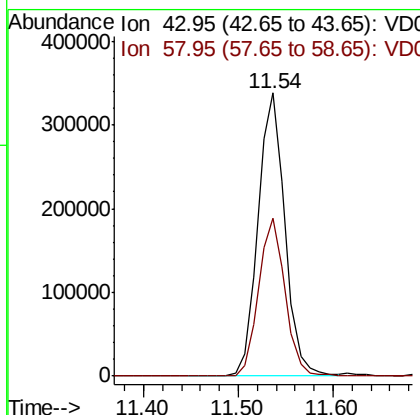
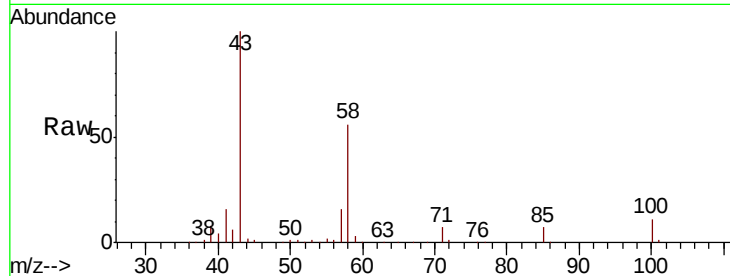




#59  
2-Hexanone  
Concen: 264.873 ug/l  
RT: 11.54 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

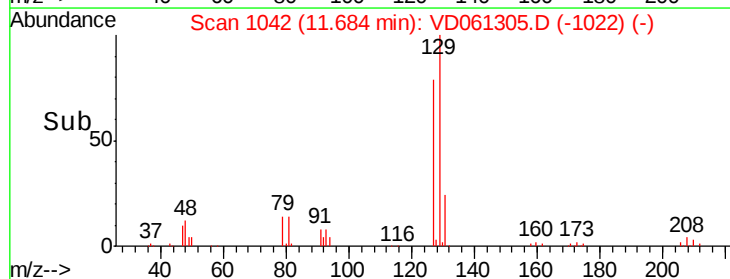
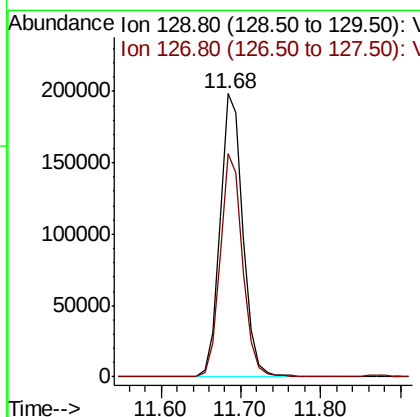
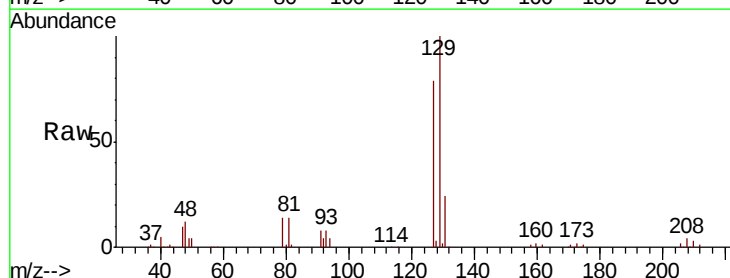
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

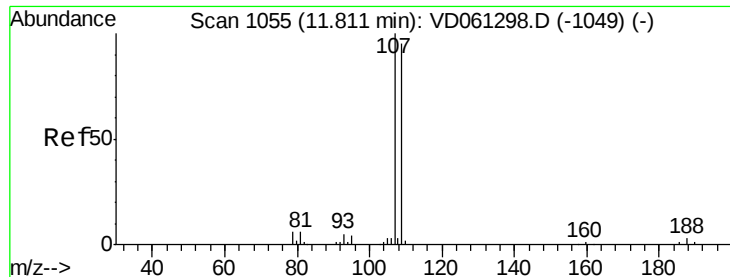
Tot Ion: 43 Resp: 670722  
Ion Ratio Lower Upper  
43 100  
58 55.7 27.4 82.0



#60  
Dibromochloromethane  
Concen: 52.234 ug/l  
RT: 11.68 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 129 Resp: 401397  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.6 119.0

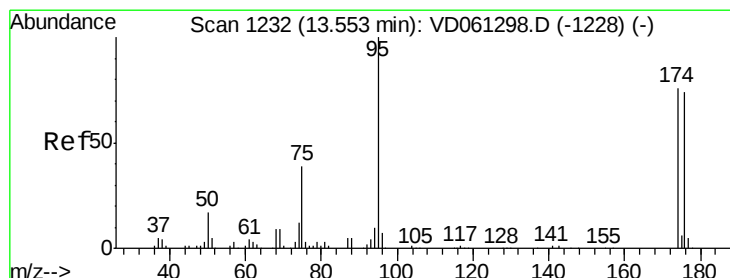
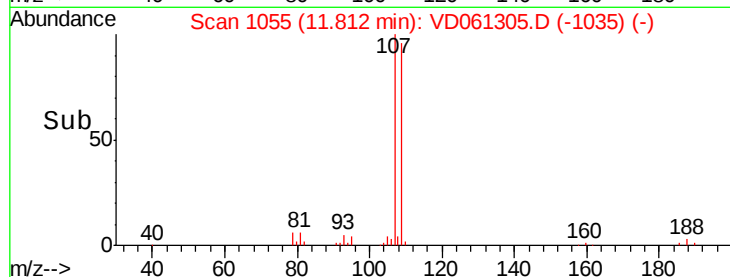
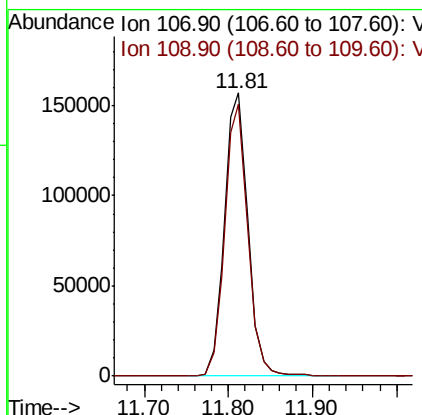
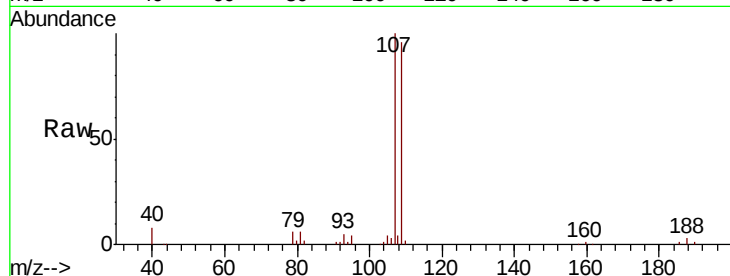




#61  
 1,2-Dibromoethane  
 Concen: 52.577 ug/l  
 RT: 11.81 min Scan# 1055  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

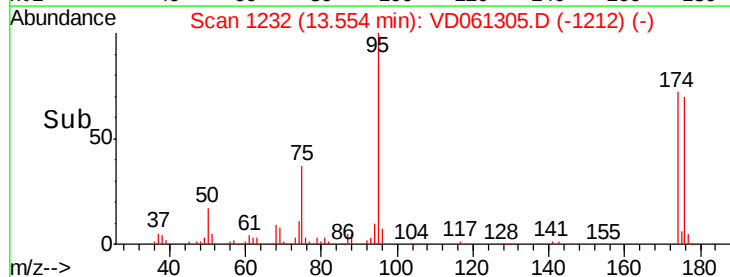
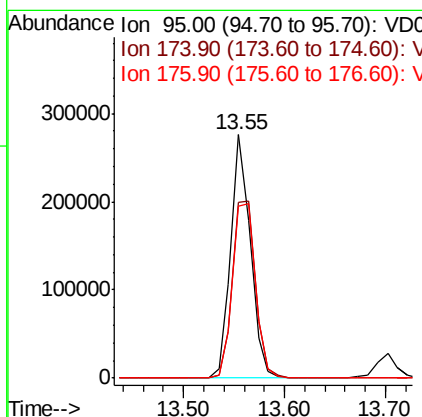
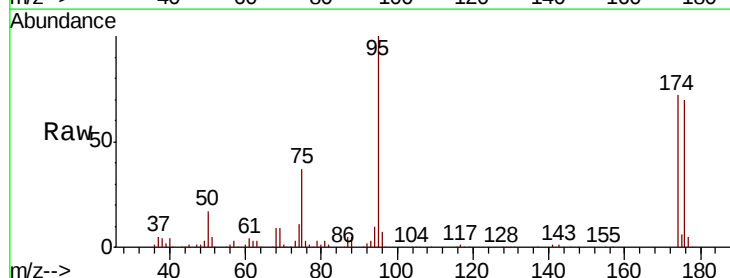
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

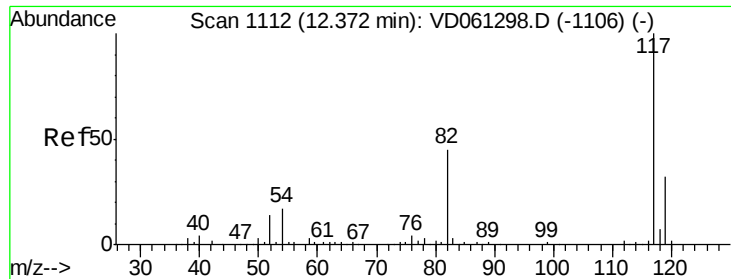
Tot Ion: 107 Resp: 301405  
 Ion Ratio Lower Upper  
 107 100  
 109 96.2 76.1 114.1



#62  
 4-Bromofluorobenzene  
 Concen: 52.577 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion: 95 Resp: 374186  
 Ion Ratio Lower Upper  
 95 100  
 174 72.4 0.0 151.8  
 176 70.4 0.0 148.0

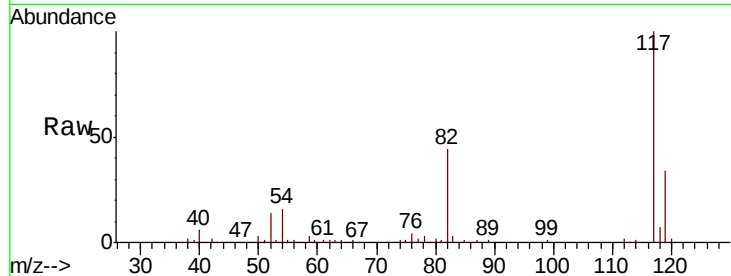




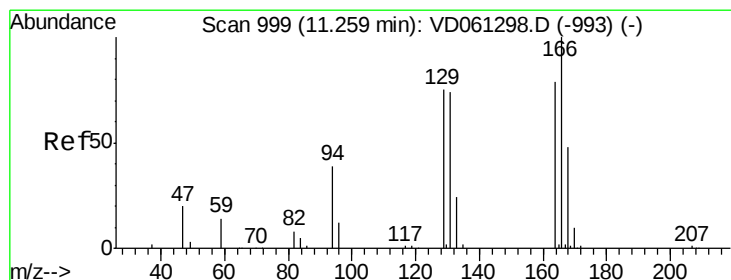
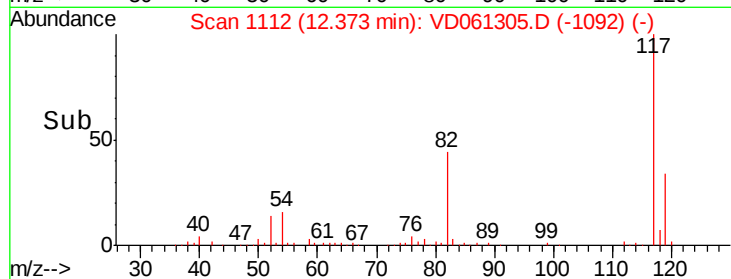
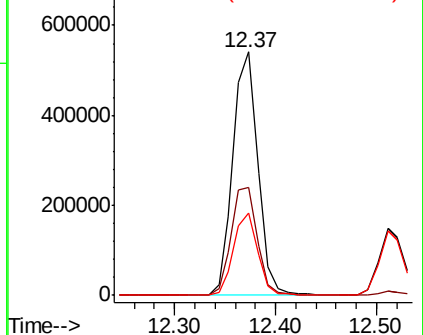
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

Tot Ion:117 Resp: 931687  
Ion Ratio Lower Upper  
117 100  
82 44.3 35.7 53.5  
119 33.8 25.9 38.9

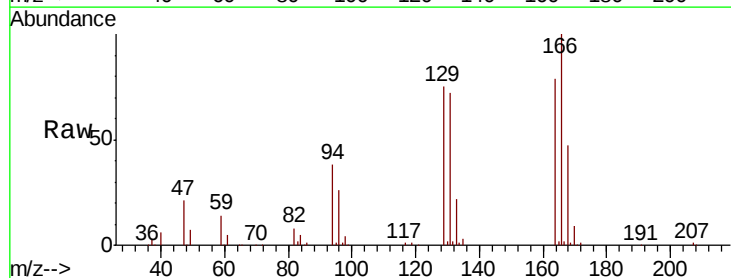


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

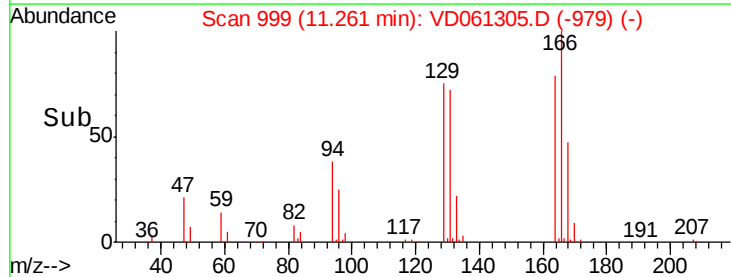
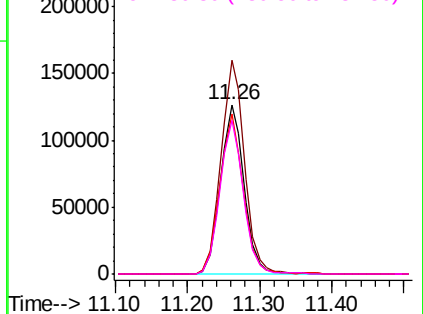


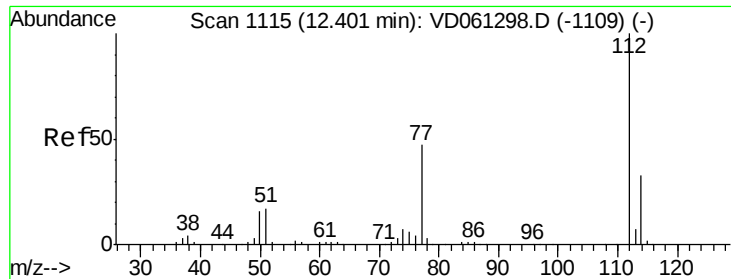
#64  
Tetrachloroethene  
Concen: 44.315 ug/l  
RT: 11.26 min Scan# 999  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion:164 Resp: 284421  
Ion Ratio Lower Upper  
164 100  
166 126.0 101.6 152.4  
129 94.8 75.9 113.9  
131 90.4 75.3 112.9



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.85 (165.55 to 166.55): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

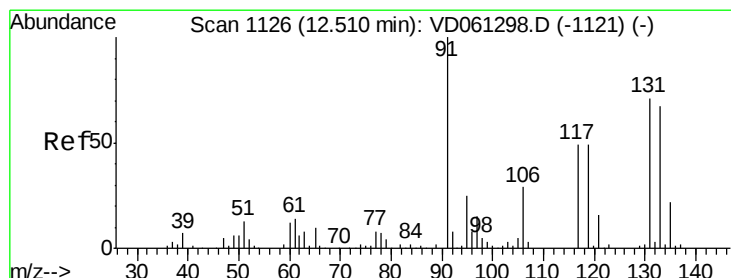
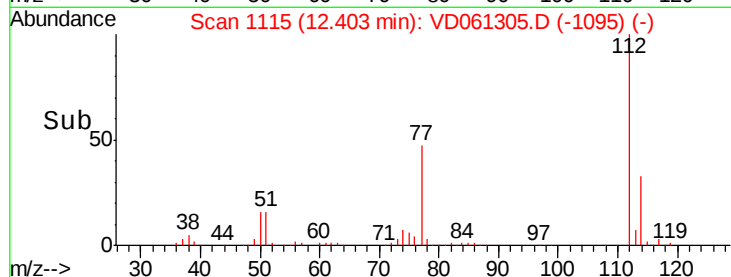
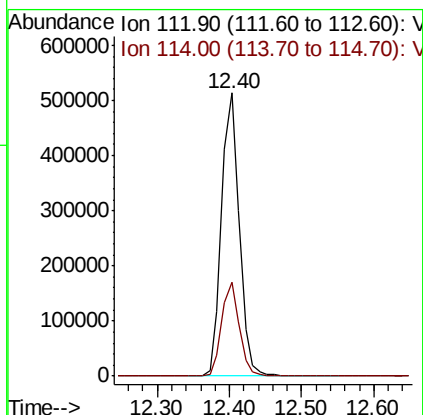
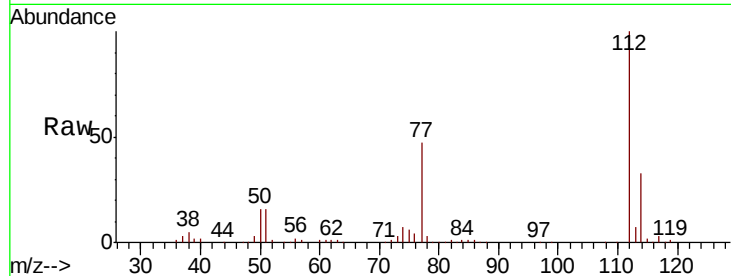




#65  
Chlorobenzene  
Concen: 50.957 ug/l  
RT: 12.40 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

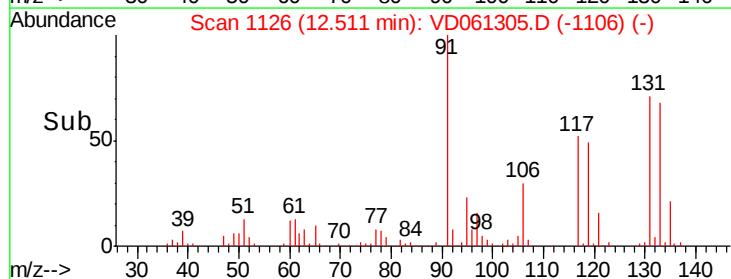
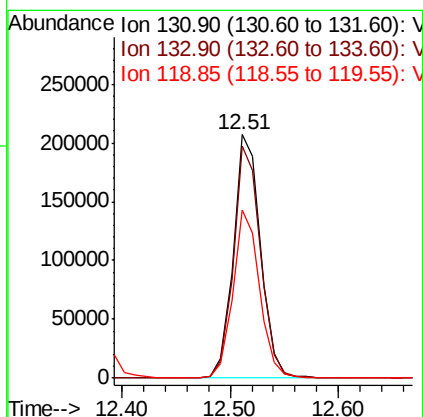
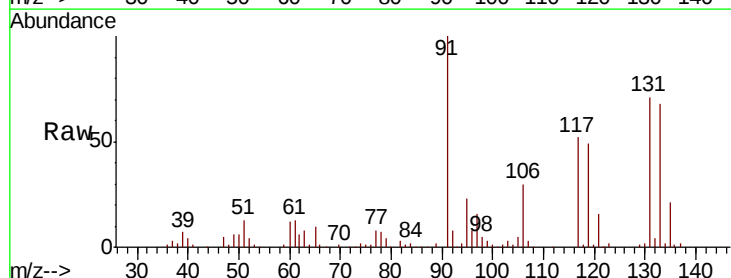
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

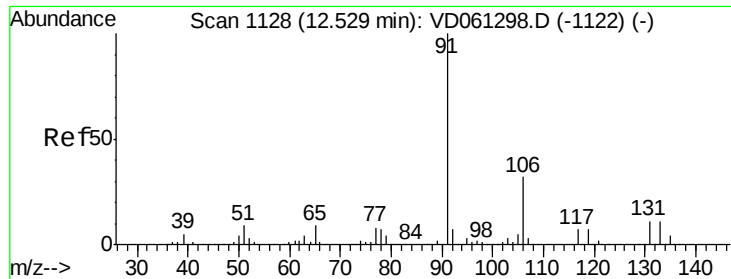
Tot Ion:112 Resp: 874465  
Ion Ratio Lower Upper  
112 100  
114 33.1 26.5 39.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.063 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion:131 Resp: 359696  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.0 141.2  
119 69.2 34.8 104.5

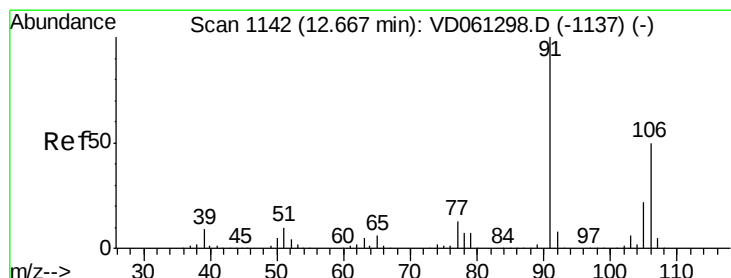
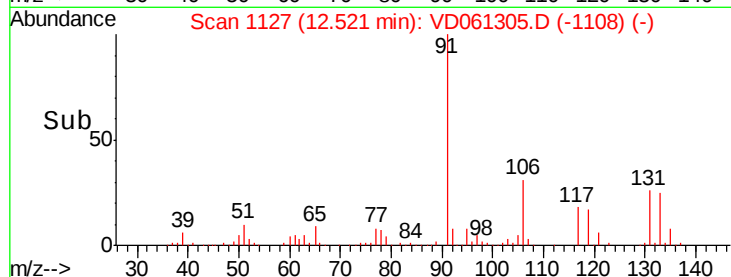
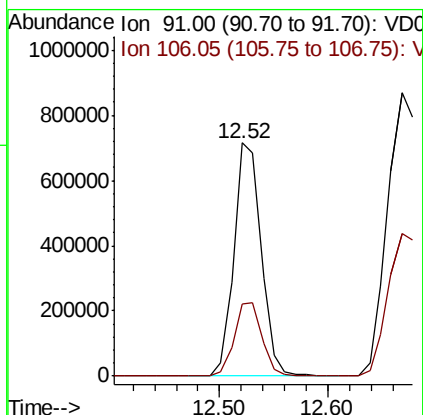
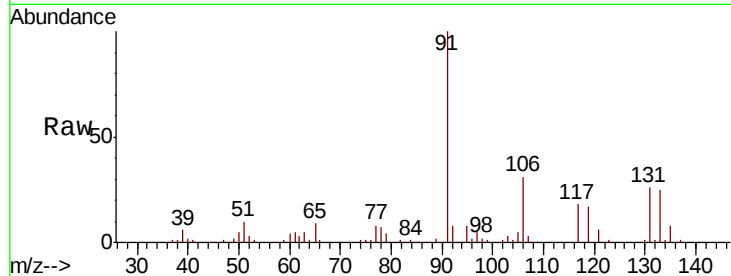




#67  
Ethyl Benzene  
Concen: 47.774 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

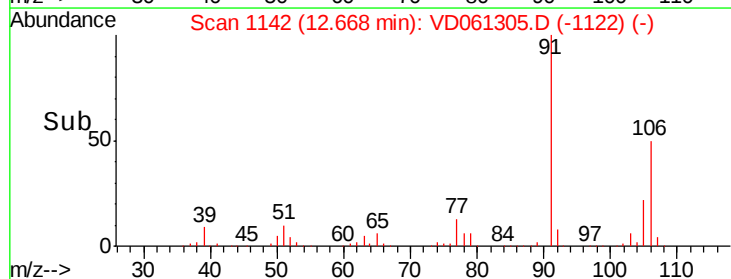
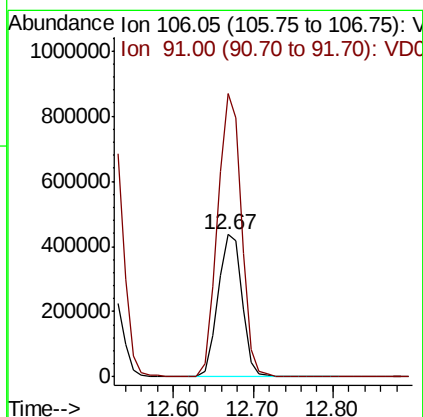
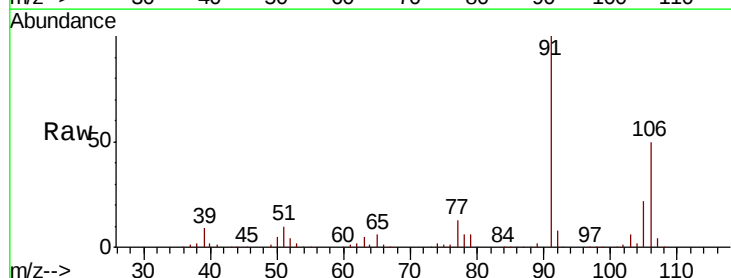
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

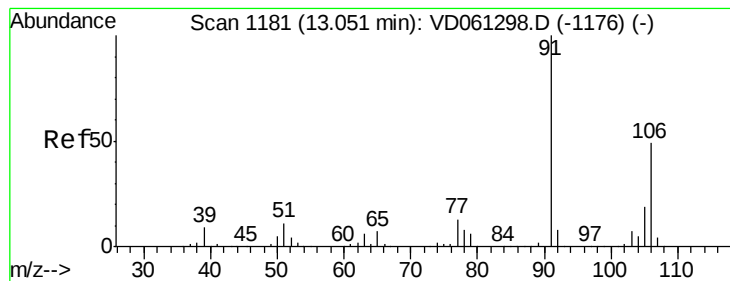
Tot Ion: 91 Resp: 1254678  
Ion Ratio Lower Upper  
91 100  
106 30.8 25.8 38.8



#68  
m/p-Xylenes  
Concen: 91.392 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 106 Resp: 936928  
Ion Ratio Lower Upper  
106 100  
91 198.7 159.2 238.8





#69

o-Xylene

Concen: 51.234 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

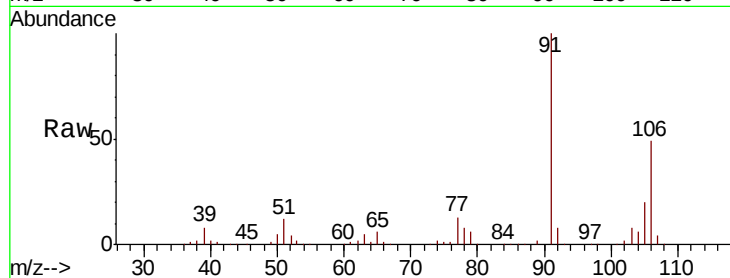
WP022SB441-190319-(23-25)MS

Tot Ion:106 Resp: 487135

Ion Ratio Lower Upper

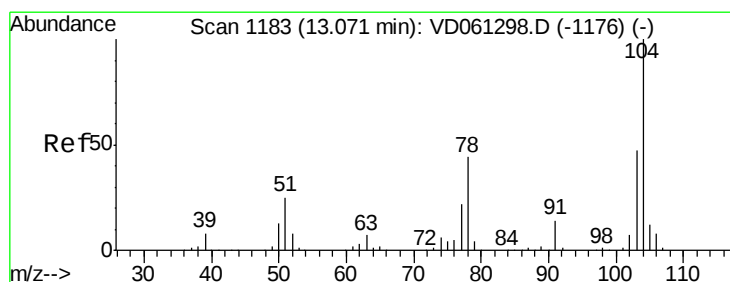
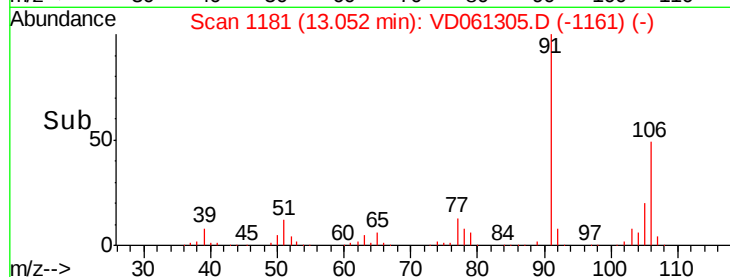
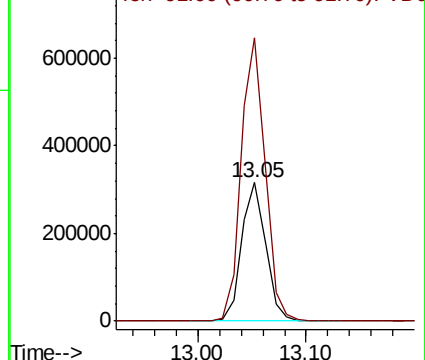
106 100

91 204.8 102.5 307.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 49.935 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

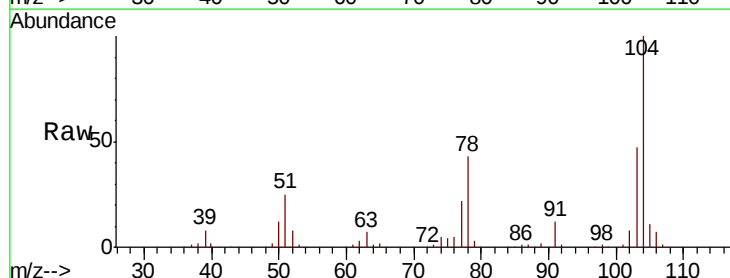
Tgt Ion:104 Resp: 805779

Ion Ratio Lower Upper

104 100

78 43.1 35.1 52.7

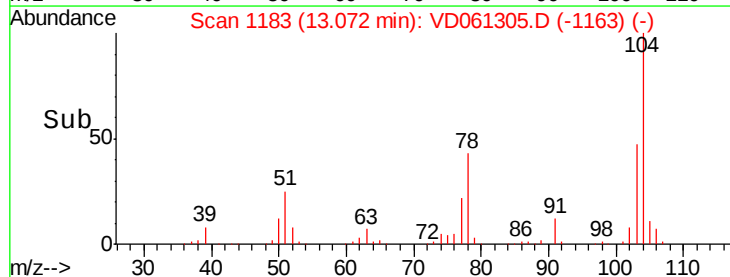
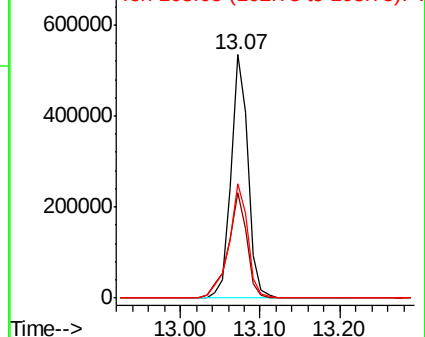
103 47.0 37.5 56.3

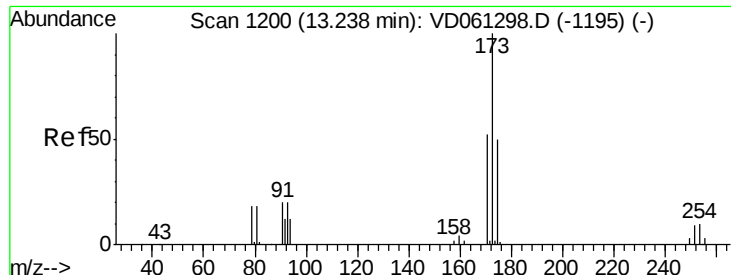


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 50.857 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

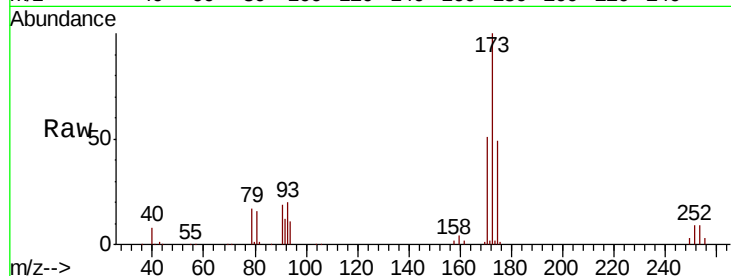
Tot Ion:173 Resp: 207060

Ion Ratio Lower Upper

173 100

175 49.4 24.9 74.7

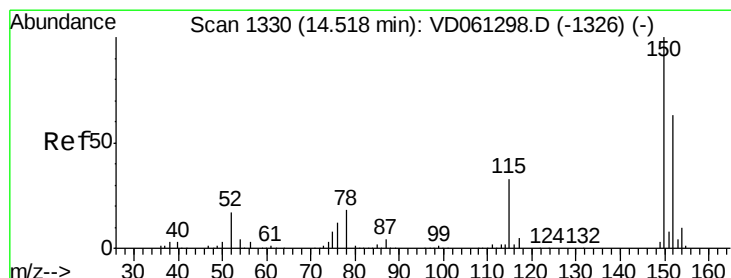
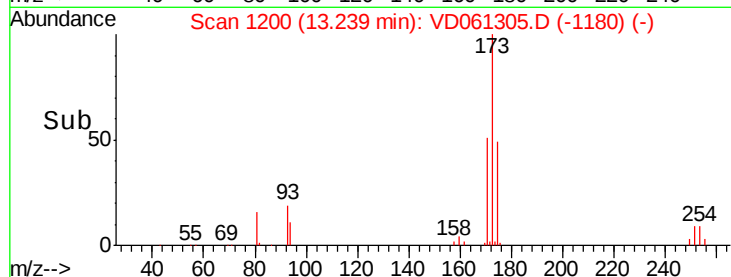
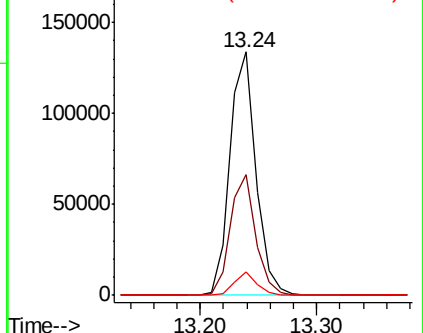
254 9.4 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

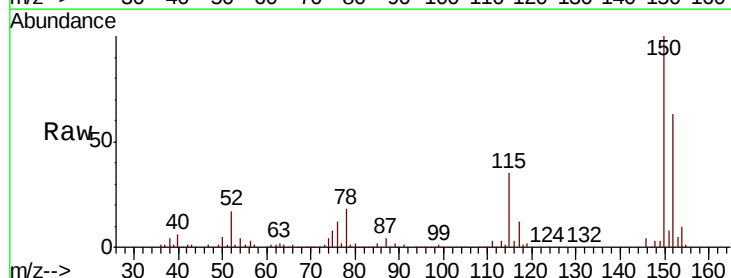
Tgt Ion:152 Resp: 344005

Ion Ratio Lower Upper

152 100

115 56.0 29.2 87.6

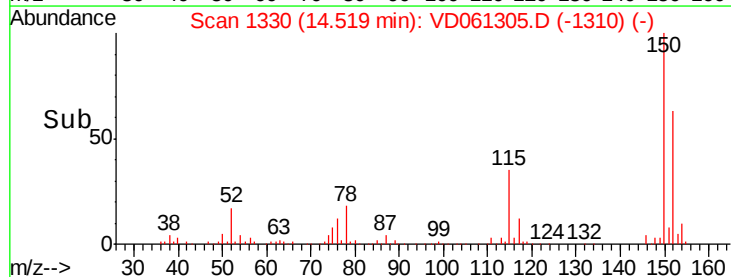
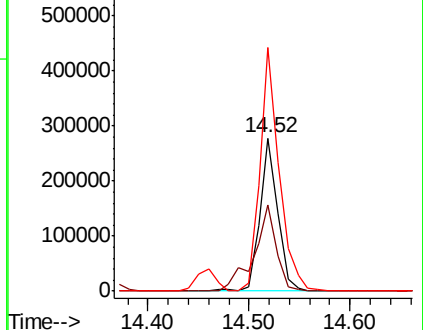
150 159.2 0.0 319.6

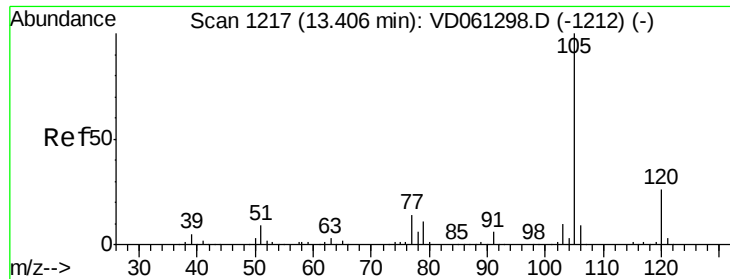


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.304 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

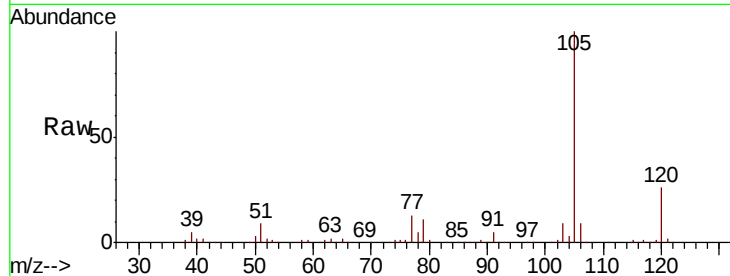
WP022SB441-190319-(23-25)MS

Tot Ion:105 Resp: 1170296

Ion Ratio Lower Upper

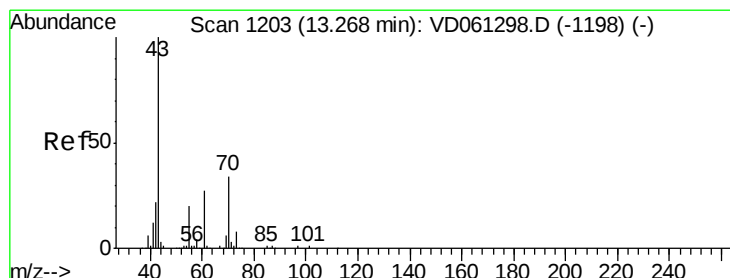
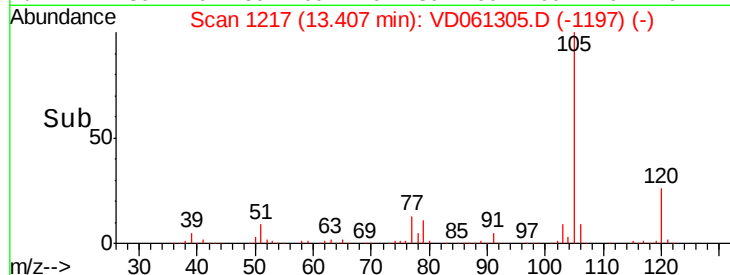
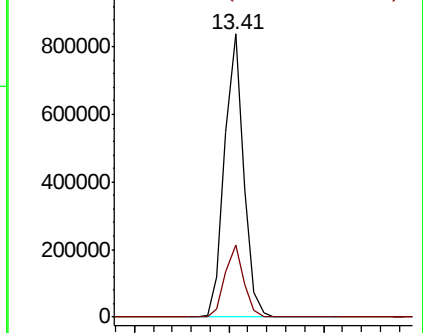
105 100

120 25.7 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 60.041 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion: 43 Resp: 351471

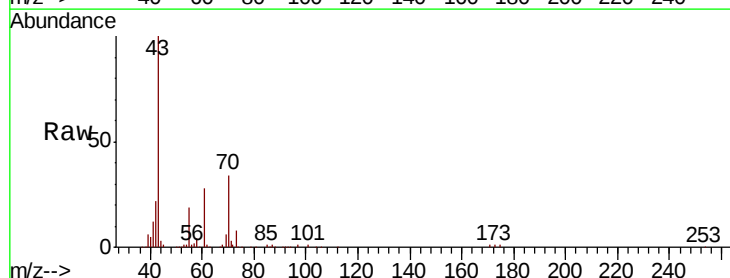
Ion Ratio Lower Upper

43 100

70 33.6 27.5 41.3

55 19.5 15.7 23.5

61 28.3 21.8 32.6

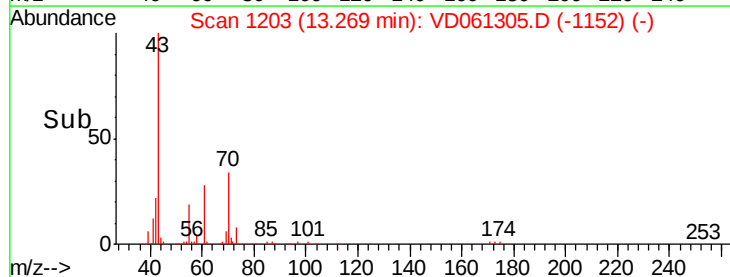
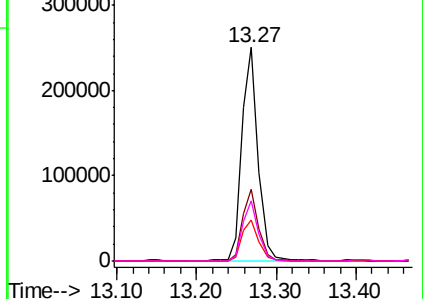


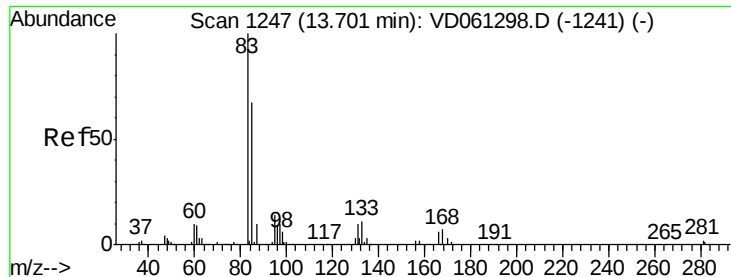
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 63.694 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

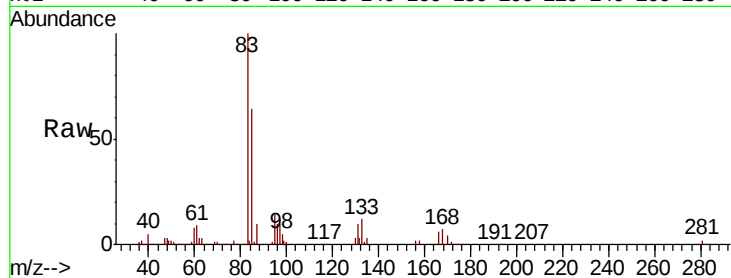
Tot Ion: 83 Resp: 276366

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

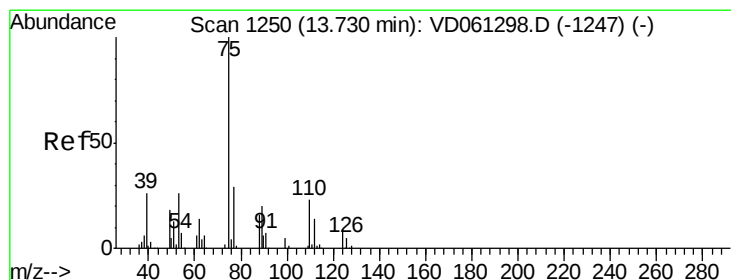
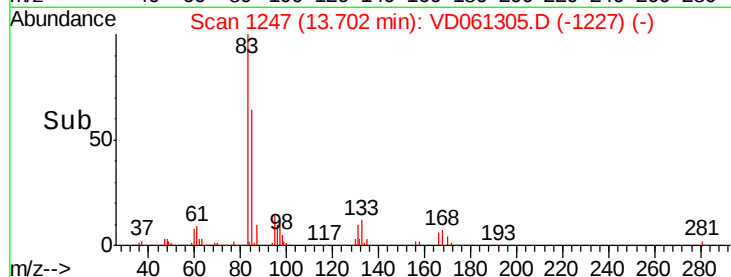
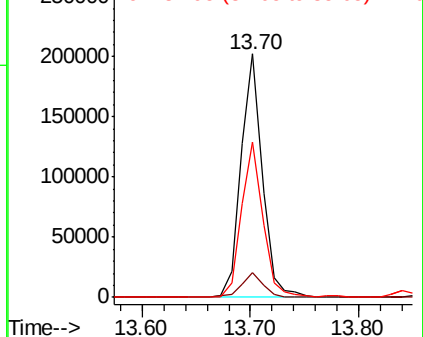
85 63.7 33.4 100.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 62.575 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061305.D

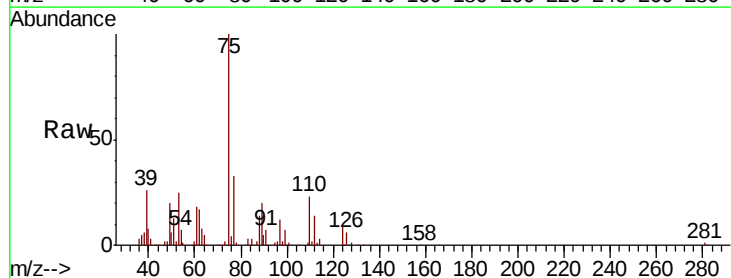
Acq: 25 Mar 2019 16:43

Tgt Ion: 75 Resp: 267703

Ion Ratio Lower Upper

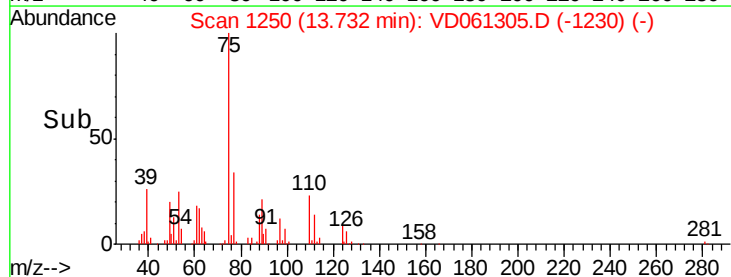
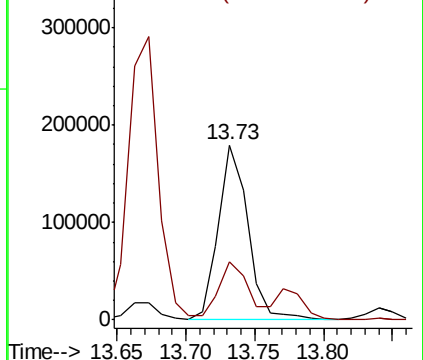
75 100

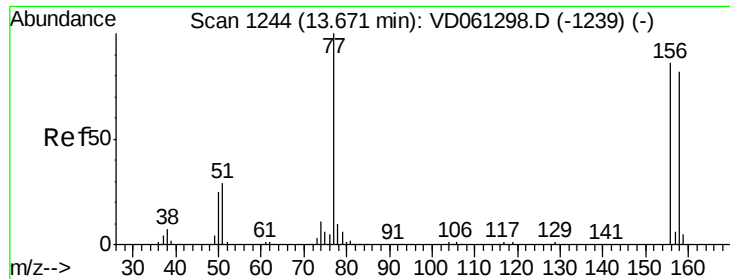
77 33.2 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.350 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

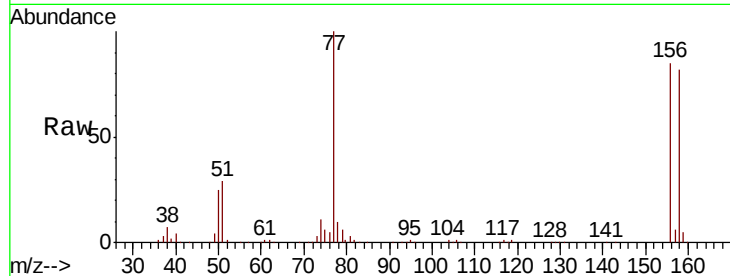
Tot Ion:156 Resp: 345936

Ion Ratio Lower Upper

156 100

77 117.9 58.4 175.1

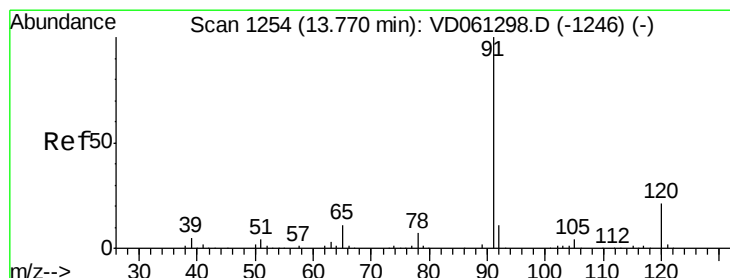
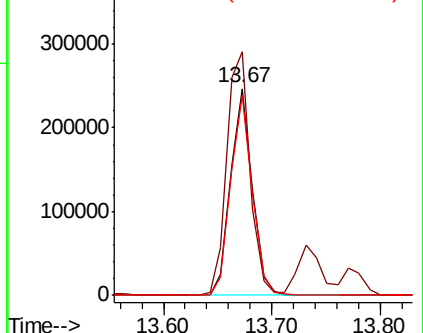
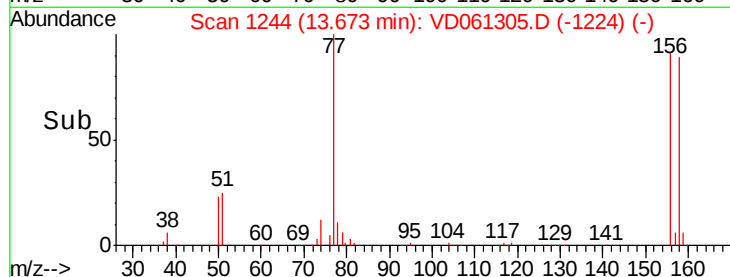
158 97.0 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.919 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061305.D

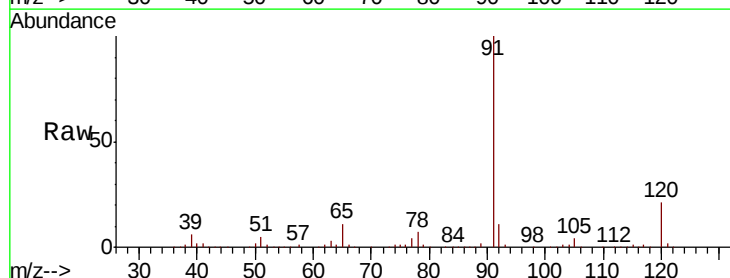
Acq: 25 Mar 2019 16:43

Tgt Ion: 91 Resp: 1260119

Ion Ratio Lower Upper

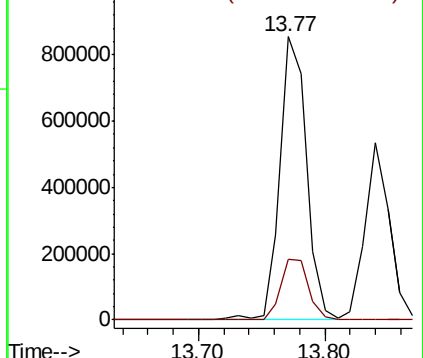
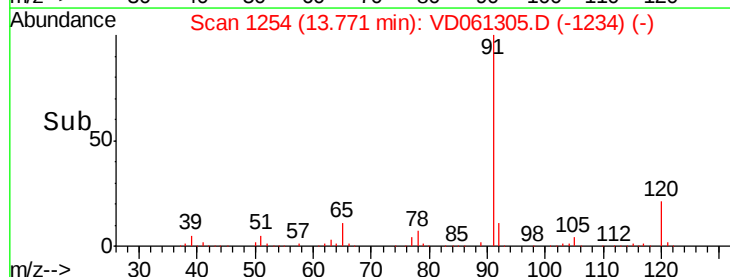
91 100

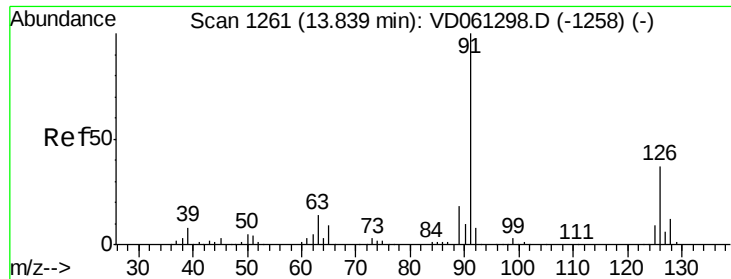
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.467 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

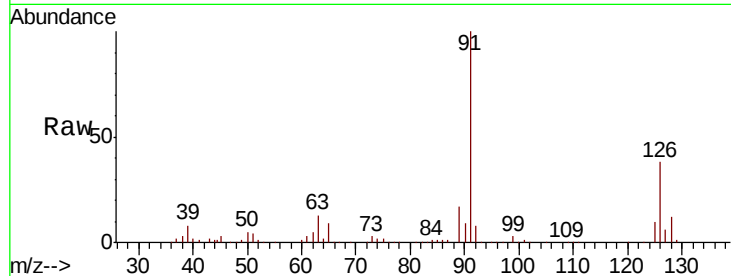
WP022SB441-190319-(23-25)MS

Tot Ion: 91 Resp: 712361

Ion Ratio Lower Upper

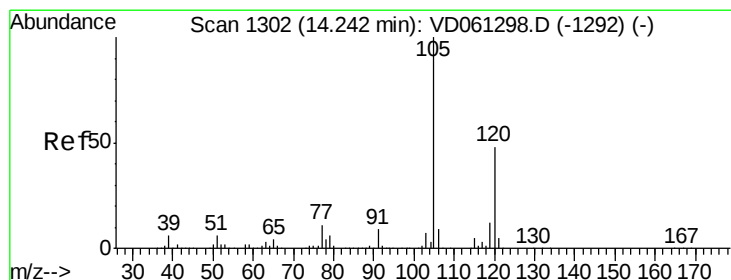
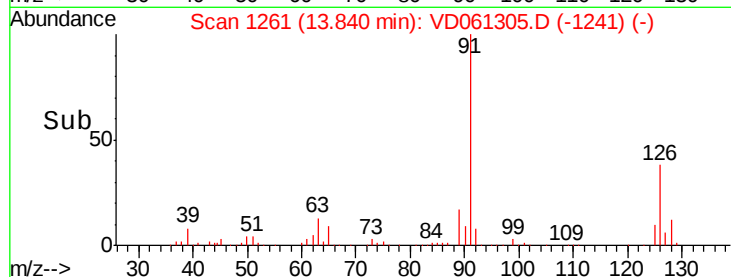
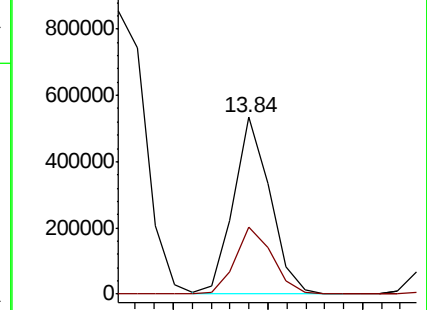
91 100

126 37.9 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.498 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061305.D

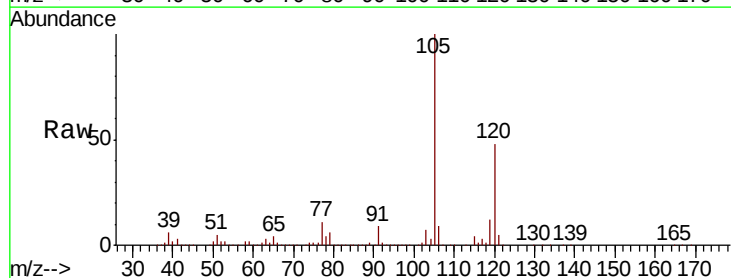
Acq: 25 Mar 2019 16:43

Tgt Ion: 105 Resp: 891343

Ion Ratio Lower Upper

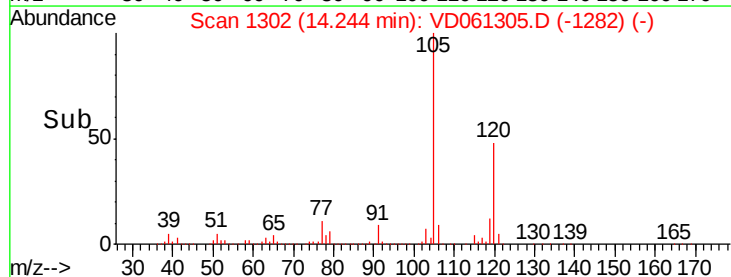
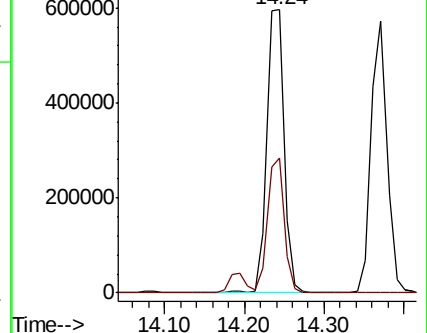
105 100

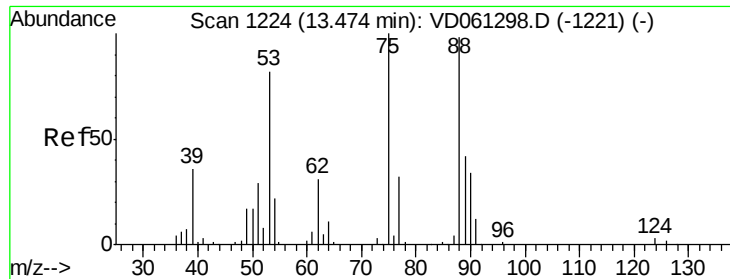
120 47.7 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

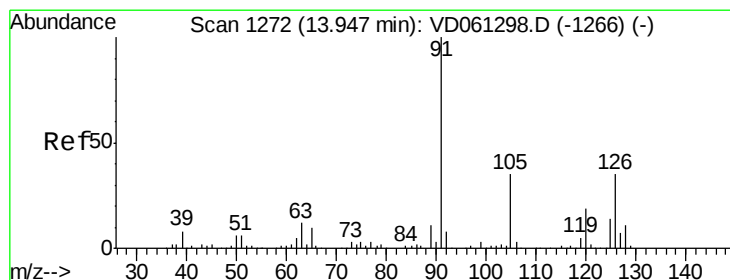
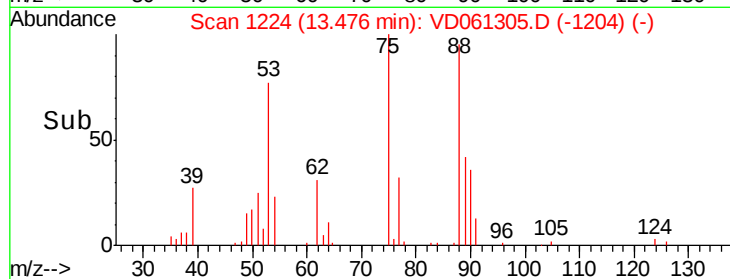
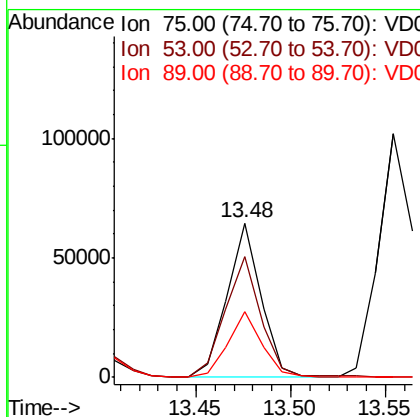
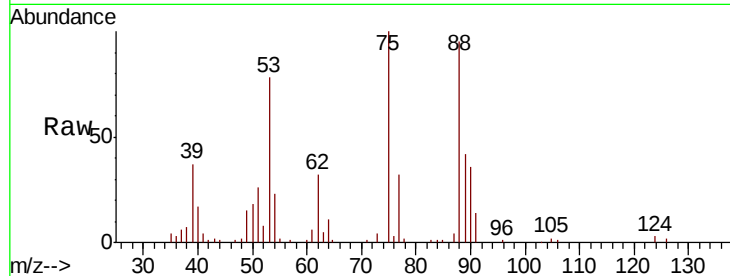




#81  
trans-1,4-Dichloro-2-butene  
Concen: 59.330 ug/l  
RT: 13.48 min Scan# 1224  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

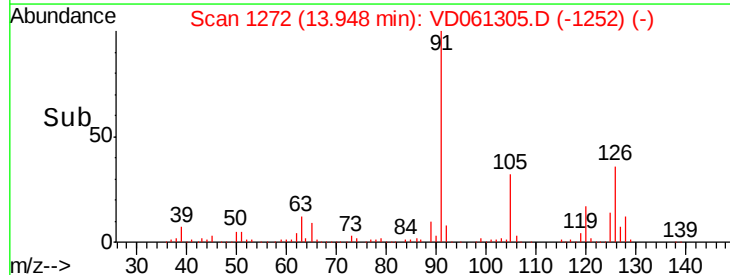
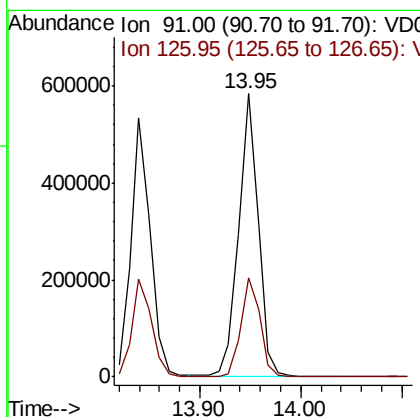
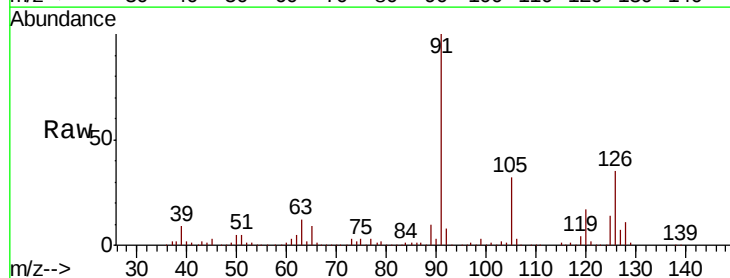
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

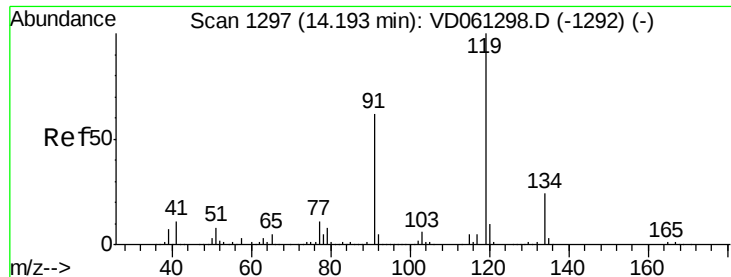
Tot Ion: 75 Resp: 80103  
Ion Ratio Lower Upper  
75 100  
53 78.4 65.3 97.9  
89 42.4 33.8 50.6



#82  
4-Chlorotoluene  
Concen: 48.787 ug/l  
RT: 13.95 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion: 91 Resp: 783913  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.7 53.1





#83

tert-Butylbenzene

Concen: 46.705 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

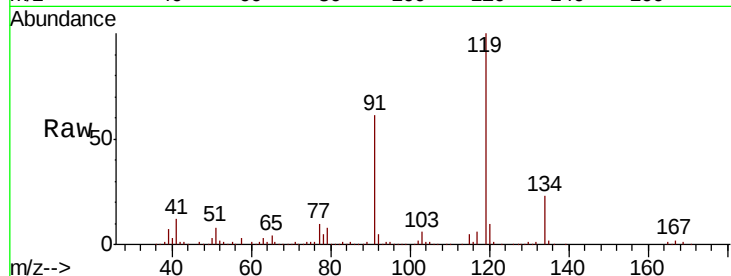
Tot Ion:119 Resp: 941272

Ion Ratio Lower Upper

119 100

91 61.5 31.1 93.5

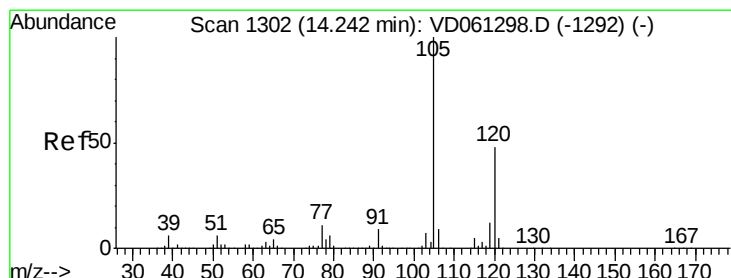
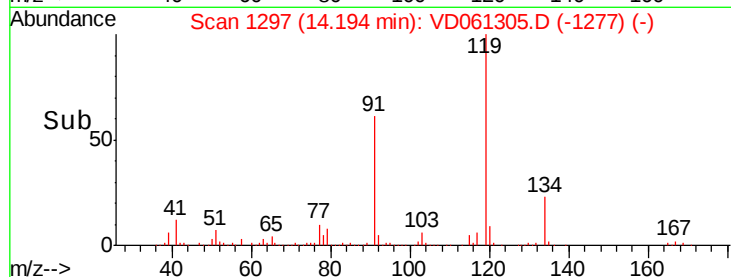
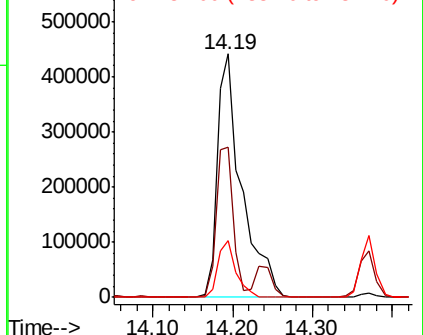
134 23.3 11.9 35.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.498 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061305.D

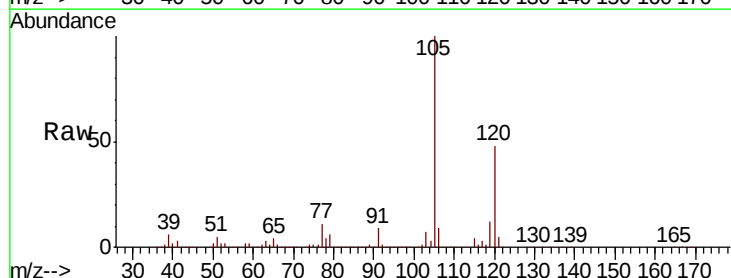
Acq: 25 Mar 2019 16:43

Tgt Ion:105 Resp: 891343

Ion Ratio Lower Upper

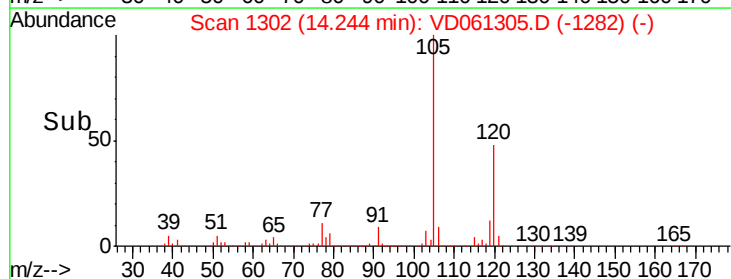
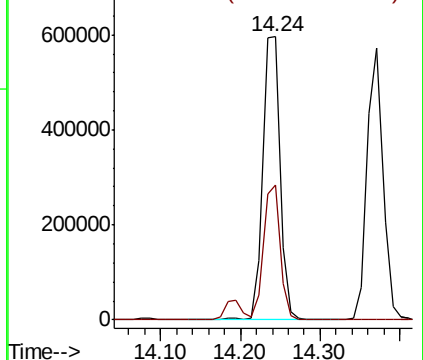
105 100

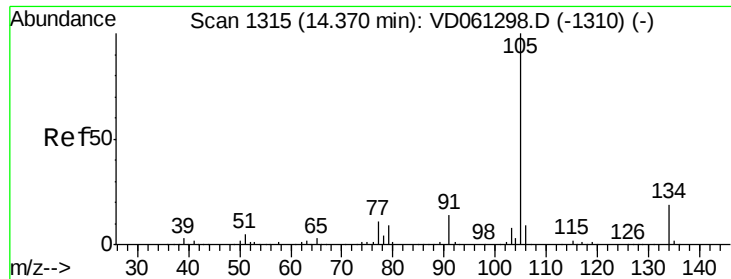
120 47.7 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 34.668 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

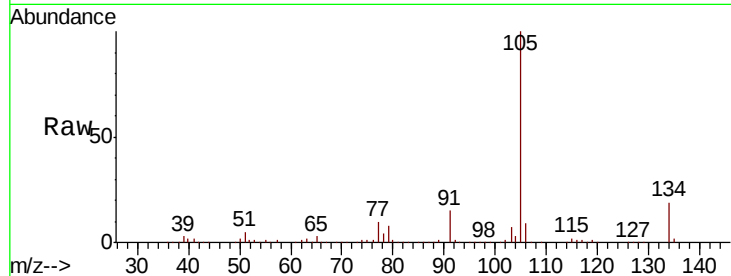
WP022SB441-190319-(23-25)MS

Tot Ion:105 Resp: 778104

Ion Ratio Lower Upper

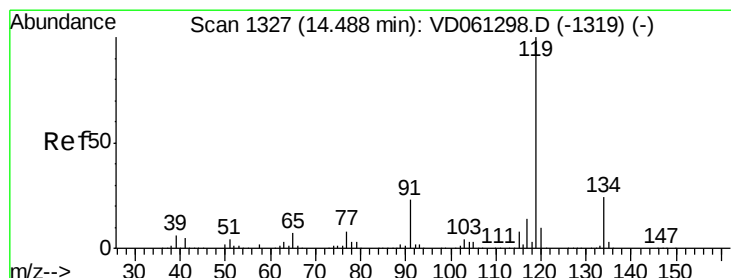
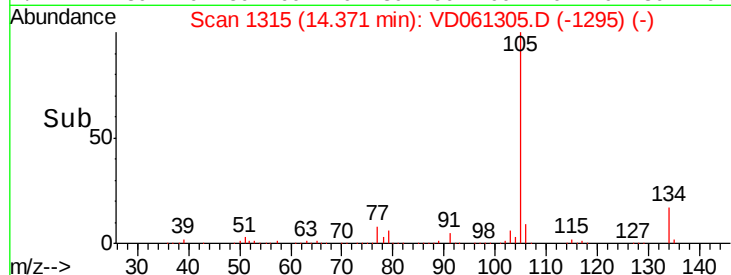
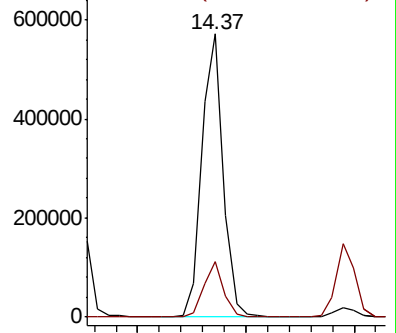
105 100

134 19.5 9.5 28.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 37.393 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

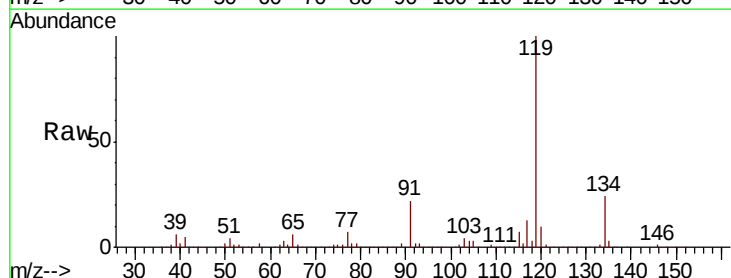
Tgt Ion:119 Resp: 748763

Ion Ratio Lower Upper

119 100

134 24.5 12.1 36.3

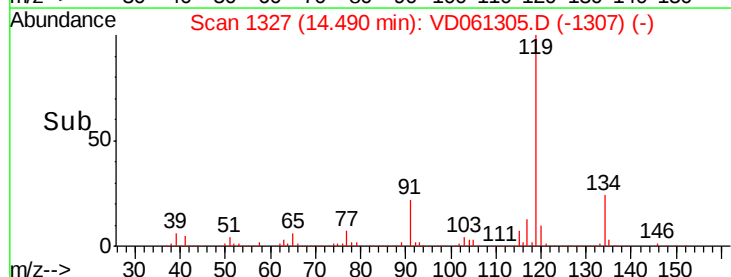
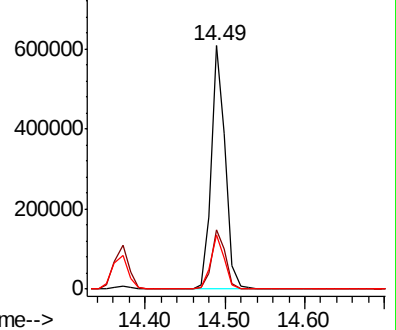
91 22.2 11.4 34.2

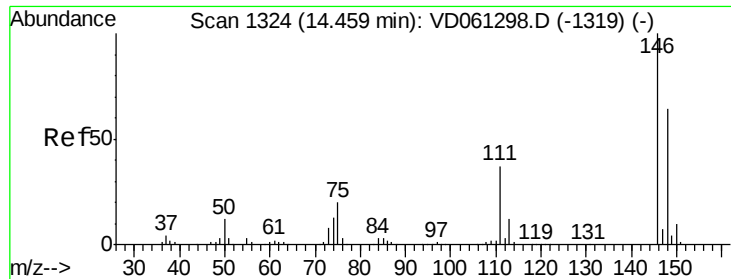


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

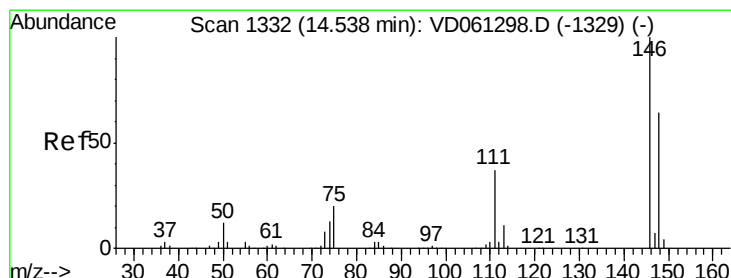
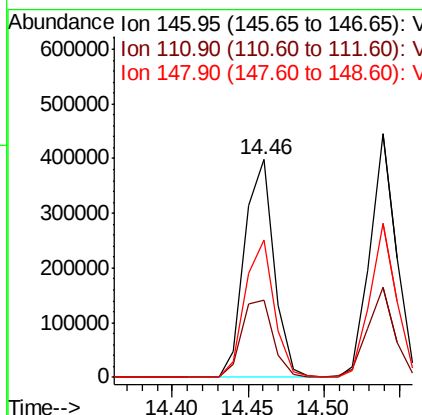
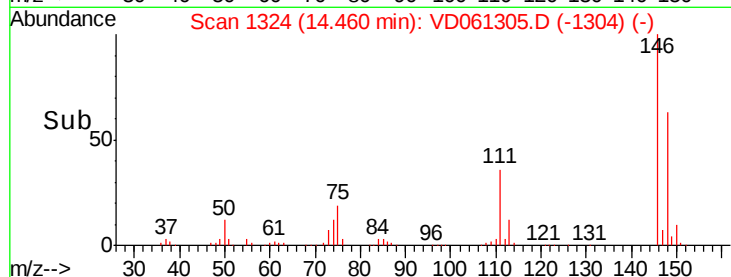
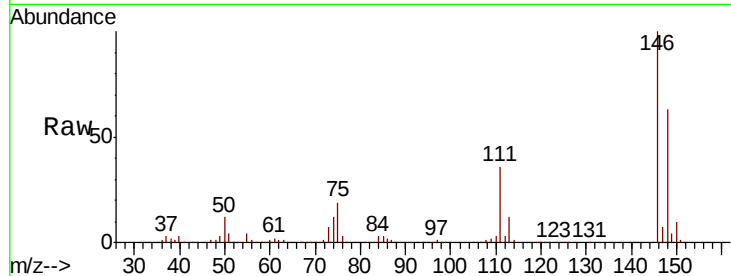




#87  
 1,3-Dichlorobenzene  
 Concen: 48.808 ug/l  
 RT: 14.46 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

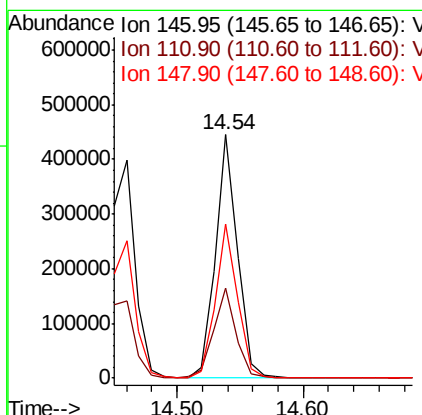
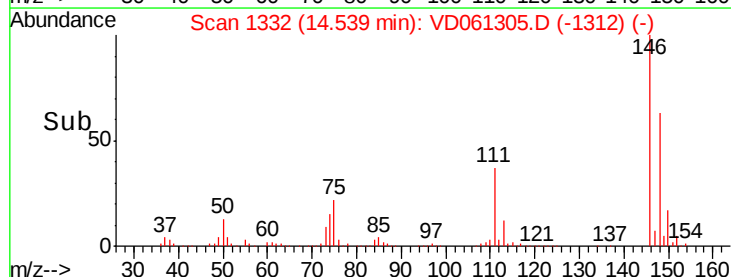
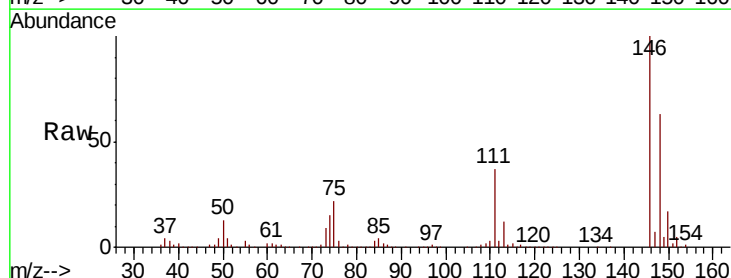
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

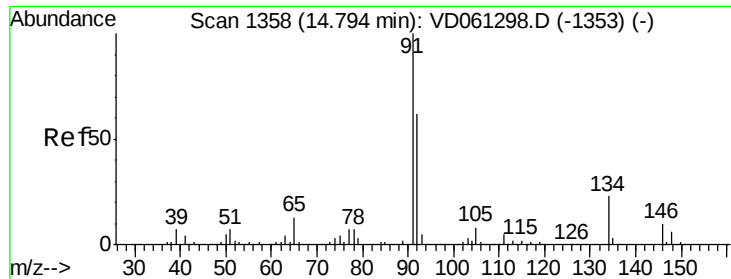
Tot Ion:146 Resp: 540706  
 Ion Ratio Lower Upper  
 146 100  
 111 35.6 18.4 55.0  
 148 63.0 32.0 96.2



#88  
 1,4-Dichlorobenzene  
 Concen: 50.364 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion:146 Resp: 540472  
 Ion Ratio Lower Upper  
 146 100  
 111 36.8 18.6 55.6  
 148 63.4 31.9 95.5





#89

n-Butylbenzene

Concen: 30.765 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

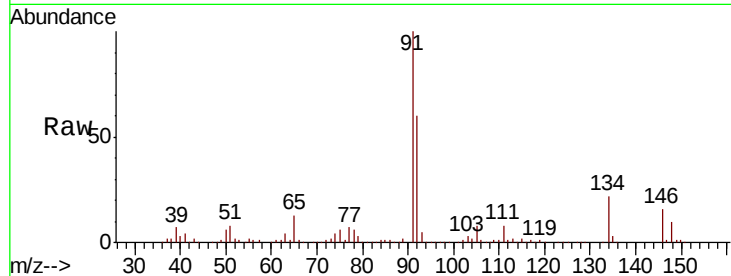
Tot Ion: 91 Resp: 546938

Ion Ratio Lower Upper

91 100

92 60.2 30.9 92.7

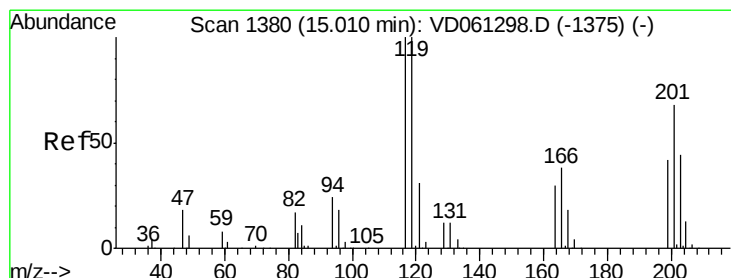
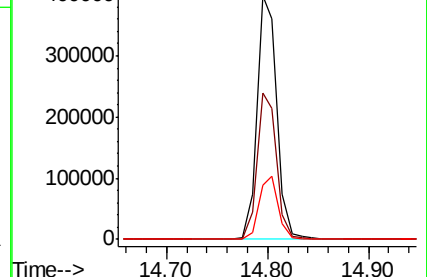
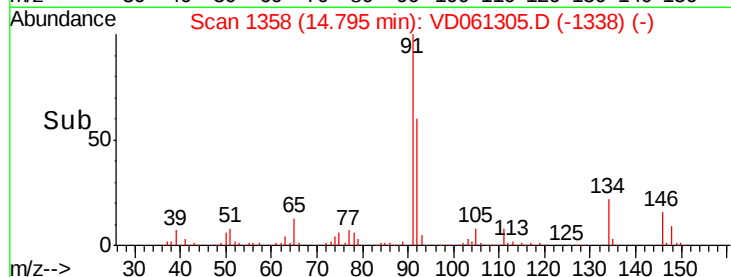
134 22.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 34.515 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061305.D

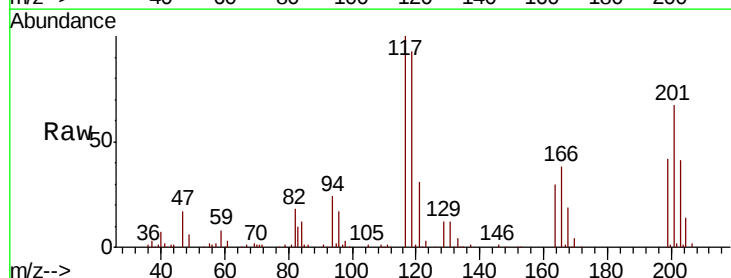
Acq: 25 Mar 2019 16:43

Tgt Ion: 117 Resp: 185302

Ion Ratio Lower Upper

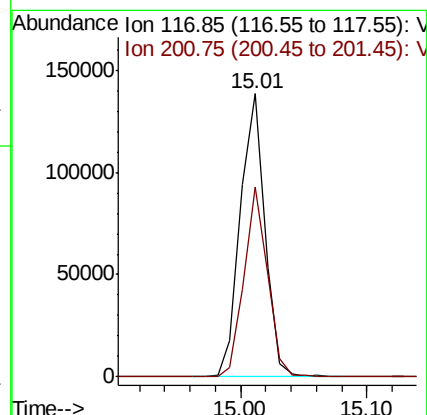
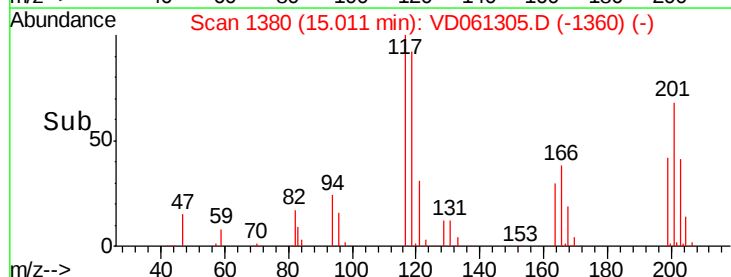
117 100

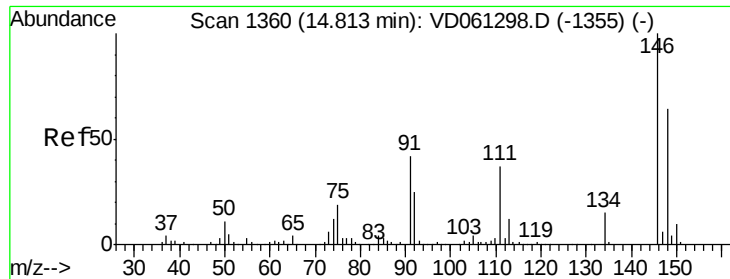
201 67.3 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

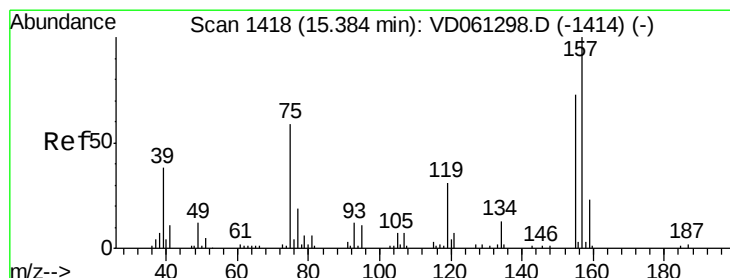
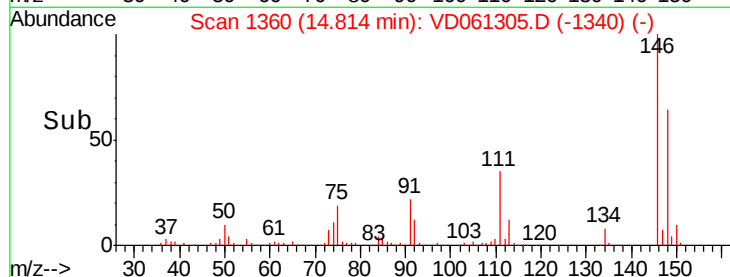
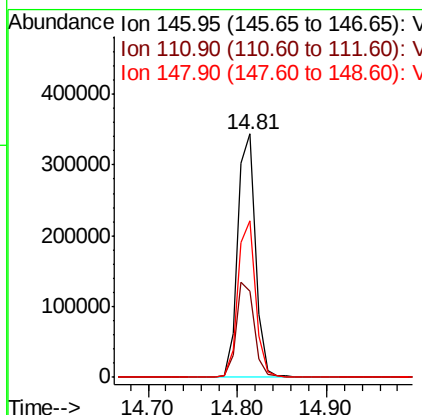
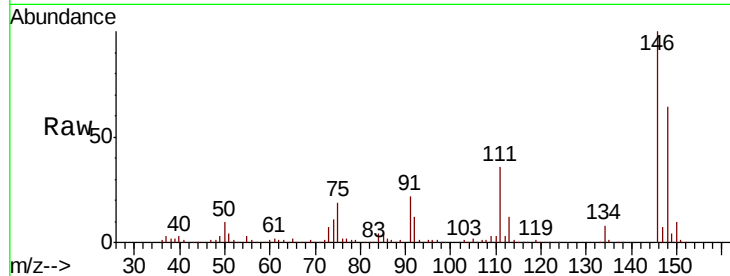




#91  
 1,2-Dichlorobenzene  
 Concen: 54.927 ug/l  
 RT: 14.81 min Scan# 1360  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

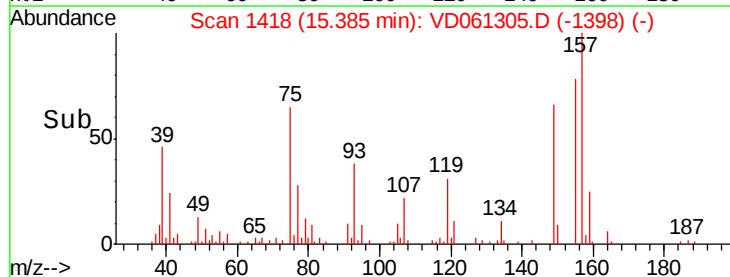
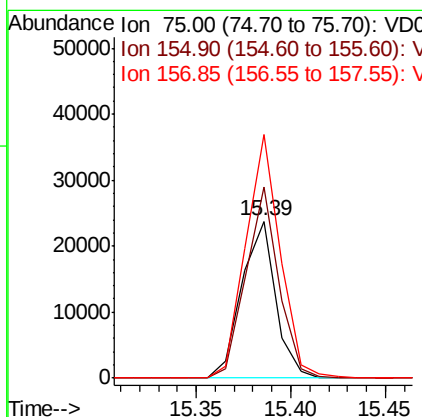
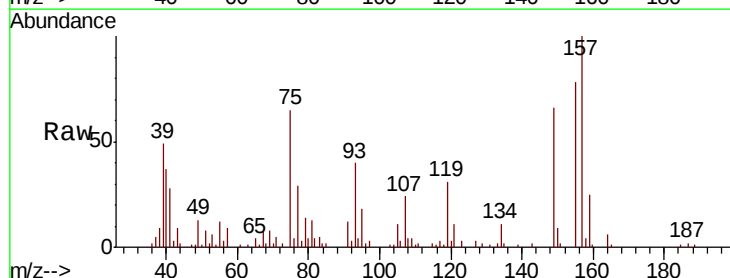
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

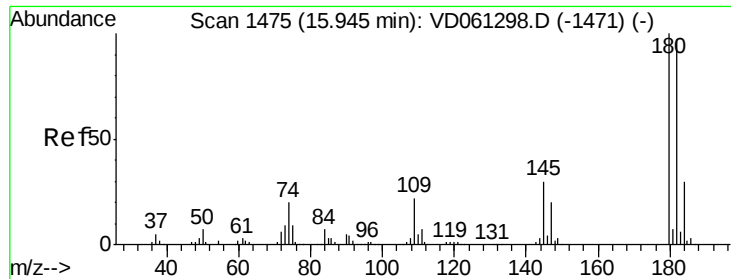
Tot Ion:146 Resp: 485534  
 Ion Ratio Lower Upper  
 146 100  
 111 35.6 18.3 54.8  
 148 64.3 31.9 95.7



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 54.212 ug/l  
 RT: 15.39 min Scan# 1418  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion: 75 Resp: 29393  
 Ion Ratio Lower Upper  
 75 100  
 155 121.2 61.9 185.7  
 157 154.9 84.4 253.2

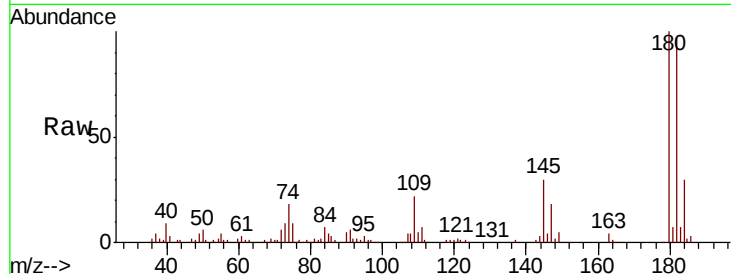




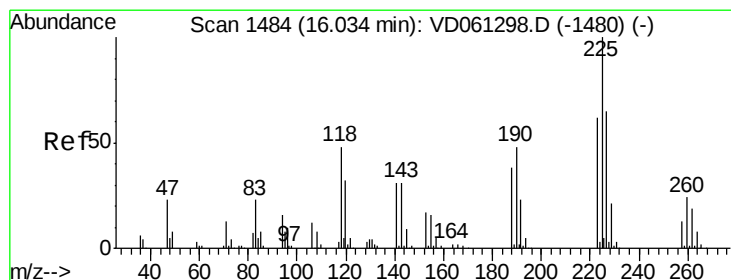
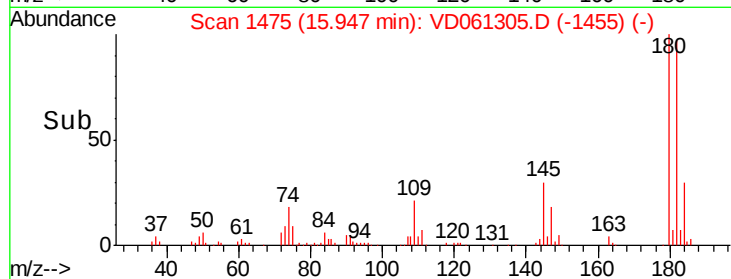
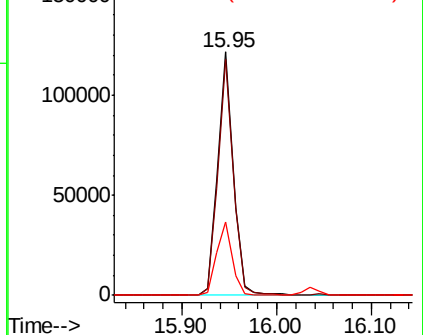
#93  
 1,2,4-Trichlorobenzene  
 Concen: 34.132 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)MS

Tot Ion:180 Resp: 139344  
 Ion Ratio Lower Upper  
 180 100  
 182 96.7 48.3 144.9  
 145 30.3 14.8 44.4

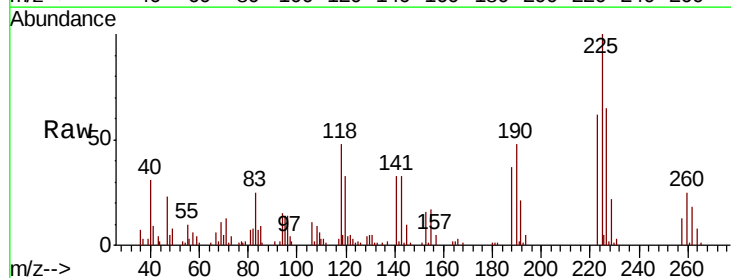


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

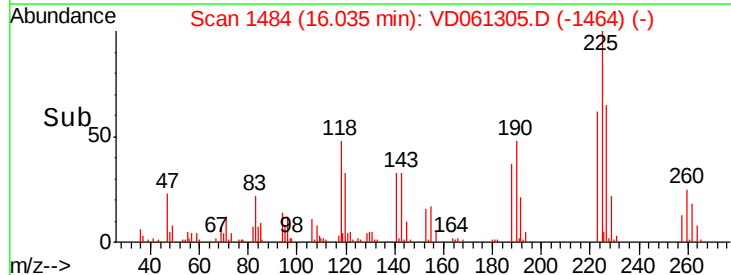
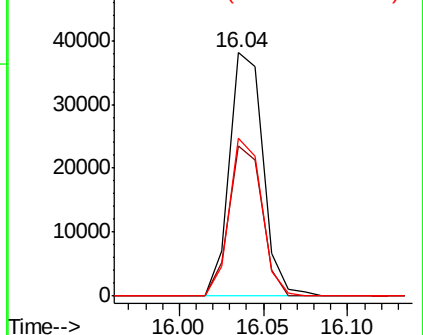


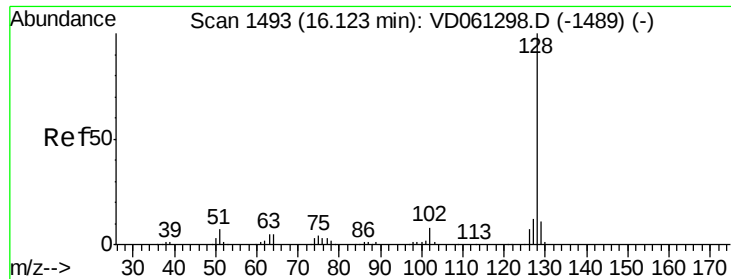
#94  
 Hexachlorobutadiene  
 Concen: 16.041 ug/l  
 RT: 16.04 min Scan# 1484  
 Delta R.T. 0.00 min  
 Lab File: VD061305.D  
 Acq: 25 Mar 2019 16:43

Tgt Ion:225 Resp: 52767  
 Ion Ratio Lower Upper  
 225 100  
 223 61.7 30.9 92.8  
 227 64.8 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V

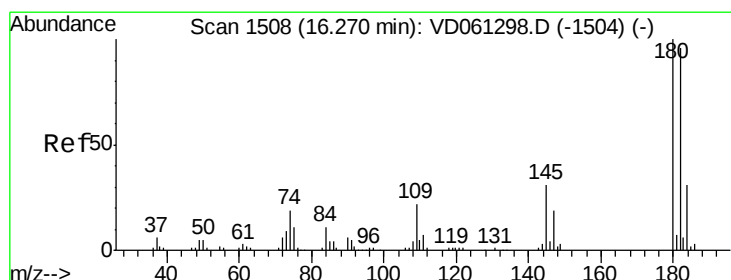
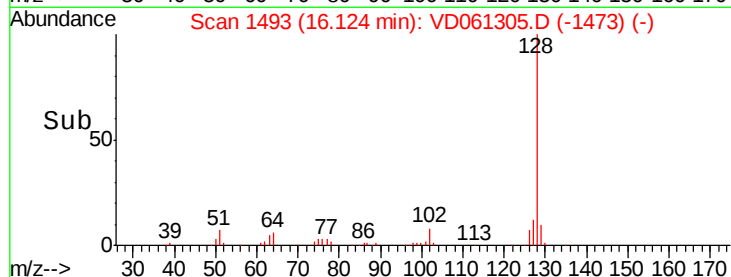
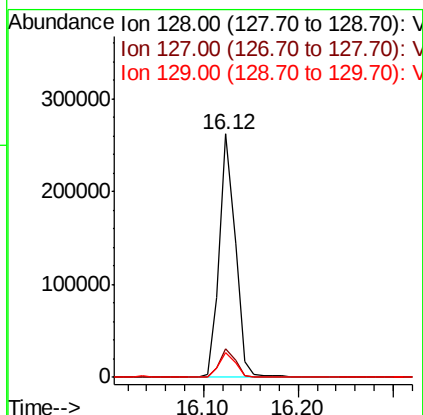
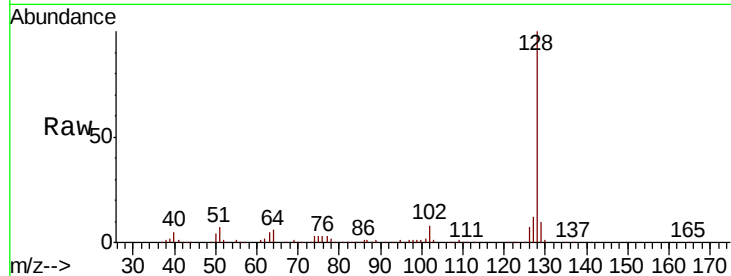




#95  
Naphthalene  
Concen: 51.924 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)MS

Tot Ion:128 Resp: 309303  
Ion Ratio Lower Upper  
128 100  
127 12.0 9.8 14.6  
129 10.4 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 32.904 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VD061305.D  
Acq: 25 Mar 2019 16:43

Tgt Ion:180 Resp: 62740  
Ion Ratio Lower Upper  
180 100  
182 91.4 48.0 144.2  
145 29.9 15.4 46.4

