

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\  
 Data File : VD064447.D  
 Acq On : 05 Dec 2019 20:22  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 06 05:57:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 491651   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 740413   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 705498   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 382377   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 236010   | 53.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.06% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 230927   | 49.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.00%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 881695   | 50.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.34% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 306923   | 54.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.70% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 239508  | 53.764  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 317686  | 56.540  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 308844  | 47.606  | ug/l   | 97     |
| 5) Bromomethane               | 2.77 | 94  | 216313  | 45.088  | ug/l   | 95     |
| 6) Chloroethane               | 2.93 | 64  | 216269  | 49.875  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 510295  | 47.316  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 125603  | 56.045  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 229056  | 49.534  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.29 | 142 | 259692  | 53.179  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.26 | 59  | 72454   | 255.772 | ug/l # | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 220052  | 49.656  | ug/l   | 100    |
| 13) Acrolein                  | 3.93 | 56  | 99429   | 257.333 | ug/l   | 98     |
| 14) Allyl chloride            | 4.71 | 41  | 360917  | 52.186  | ug/l   | 100    |
| 15) Acrylonitrile             | 5.43 | 53  | 255768  | 260.983 | ug/l   | 99     |
| 16) Acetone                   | 4.17 | 43  | 228803  | 254.427 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.40 | 76  | 673420  | 47.981  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.73 | 43  | 144264  | 54.996  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 555965  | 54.693  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.96 | 84  | 257909  | 57.073  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 249457  | 49.765  | ug/l   | 98     |
| 22) Diisopropyl ether         | 6.37 | 45  | 746433  | 54.672  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 2172928 | 269.968 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 422763  | 51.490  | ug/l   | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 322060  | 253.236 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 353125  | 49.454  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 282421  | 51.678  | ug/l   | 100    |
| 28) Bromochloromethane        | 7.55 | 49  | 154195  | 54.952  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 207797  | 256.813 | ug/l   | 97     |
| 30) Chloroform                | 7.71 | 83  | 445688  | 52.413  | ug/l   | 99     |
| 31) Cyclohexane               | 7.98 | 56  | 361063  | 50.406  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 399231  | 50.641  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 328737  | 46.940  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 152906  | 51.455  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 358165  | 48.457  | ug/l   | 98     |

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 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 410972   | 47.307   | ug/l   | 97       |
| 40) Benzene                    | 8.35  | 78   | 952876   | 48.988   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.54  | 41   | 97038    | 56.941   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 293992   | 51.828   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 305314   | 52.255   | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 280184   | 47.820   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 238055   | 51.174   | ug/l   | 99       |
| 46) Dibromomethane             | 9.48  | 93   | 133906   | 51.002   | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.66  | 83   | 355575   | 52.708   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 139912   | 52.330   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 32738    | 1009.770 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 751375   | 259.904  | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 626649   | 49.434   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 344142   | 53.527   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 395776   | 51.818   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 188307   | 52.379   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 247111   | 53.892   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 323552   | 52.870   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 461942   | 252.720  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.99 | 43   | 514950   | 256.703  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 259773   | 53.294   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 188535   | 52.524   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 250394   | 46.542   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.67 | 112  | 704141   | 47.854   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 274591   | 50.411   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 1245559  | 47.576   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 970598   | 97.232   | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 462815   | 50.201   | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 796071   | 49.690   | ug/l   | 100      |
| 71) Bromoform                  | 12.37 | 173  | 162633   | 49.904   | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.48 | 105  | 1193873  | 43.412   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 294442   | 47.173   | ug/l # | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 207149   | 45.549   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 261712   | 83.227   | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 323367   | 47.615   | ug/l   | 95       |
| 78) n-propylbenzene            | 12.83 | 91   | 1382874  | 43.581   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 776223   | 44.458   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 1030458  | 45.852   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 63353    | 43.931   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 815546   | 44.117   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 871130   | 44.586   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 1057180  | 46.782   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 1176085  | 43.858   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 1133896  | 44.789   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 577003   | 44.765   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 567009   | 44.556   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 1013686  | 44.092   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 206593   | 43.630   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 503628   | 45.719   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 33986    | 50.015   | ug/l   | 94       |

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration

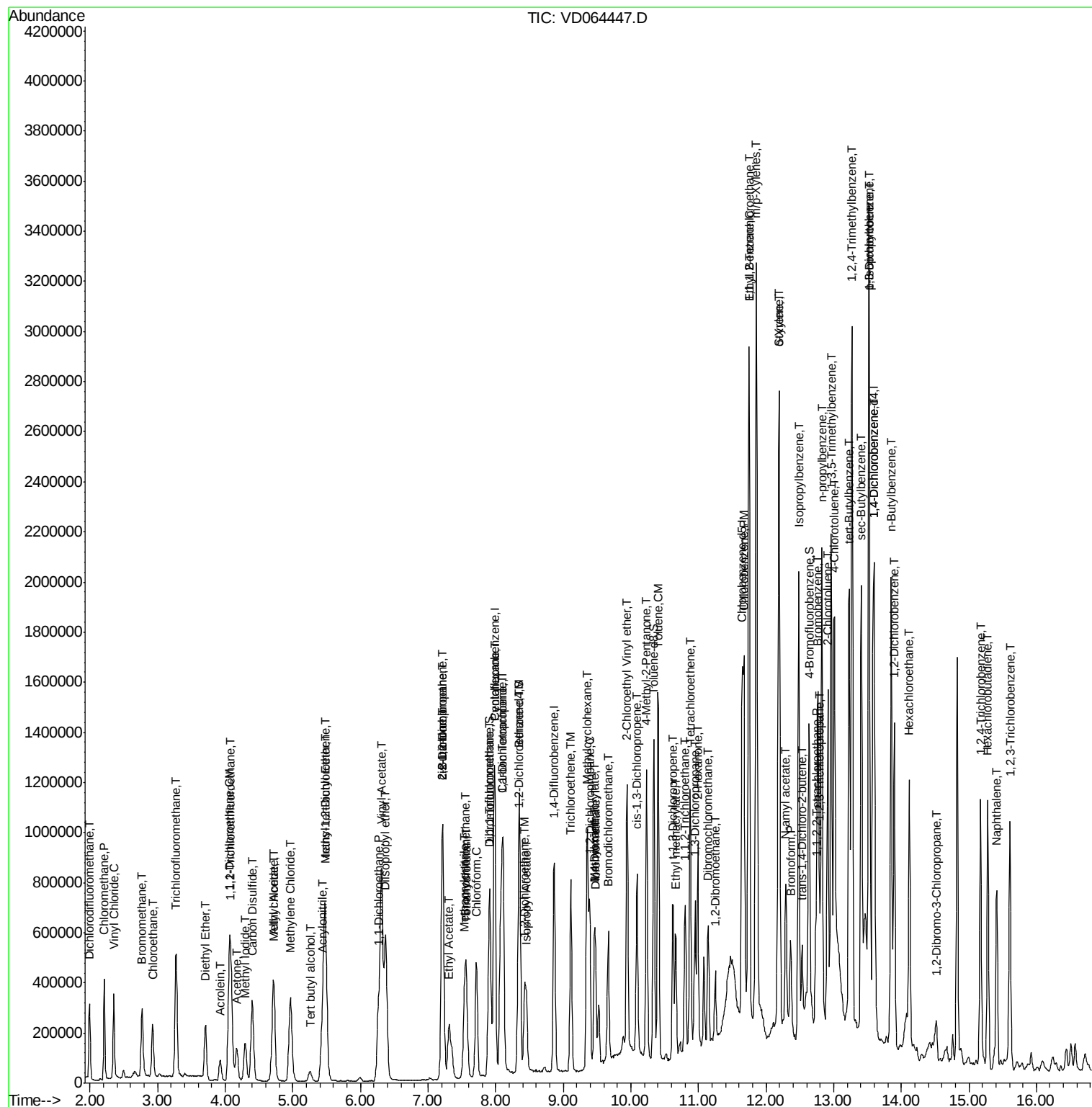
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 364975   | 43.262 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 226574   | 43.504 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 647193   | 45.968 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 327581   | 45.489 | ug/l  | 97       |

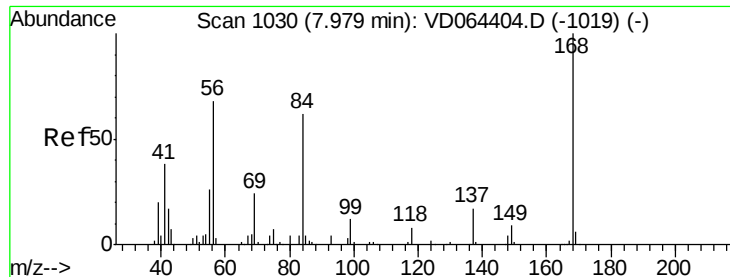
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

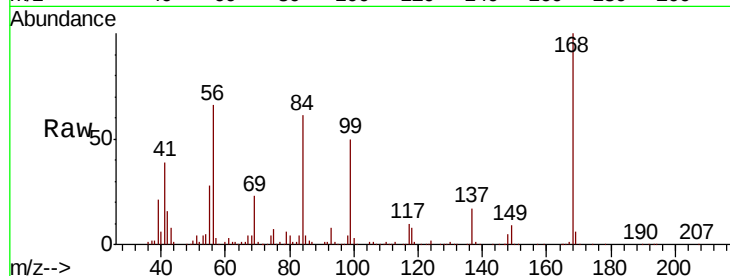
ClientSampleId :

Tot Ion:168 Resp: 491651

Ion Ratio Lower Upper

168 100

99 49.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

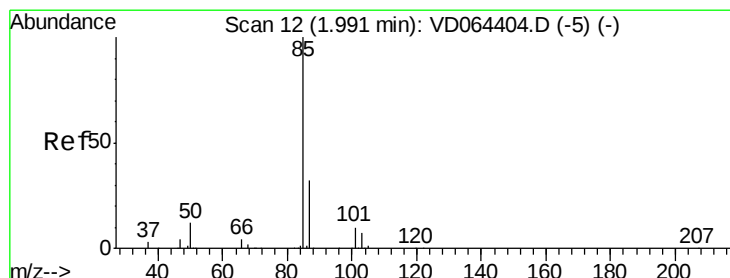
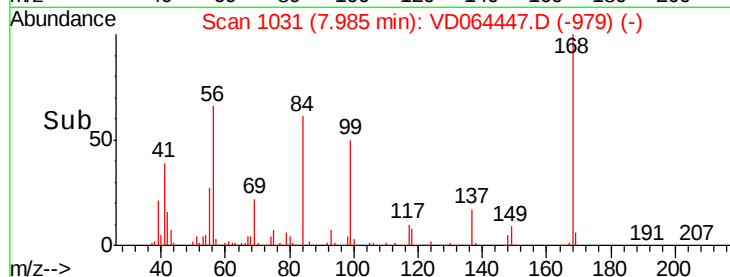
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50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 53.764 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064447.D

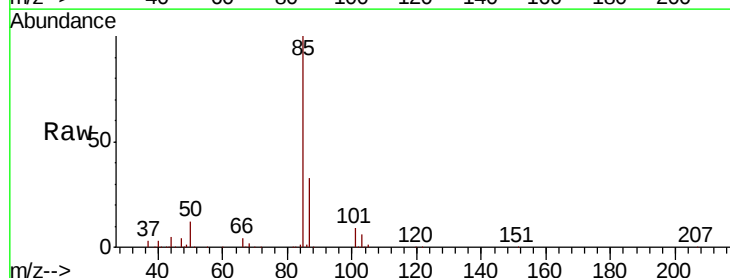
Acq: 05 Dec 2019 20:22

Tgt Ion: 85 Resp: 239508

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

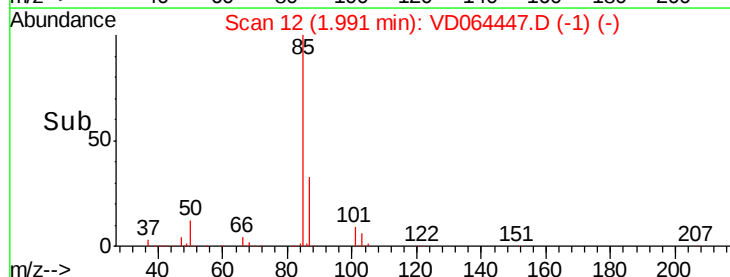
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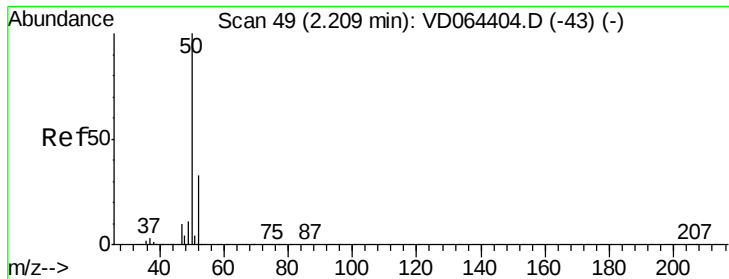
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 56.540 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

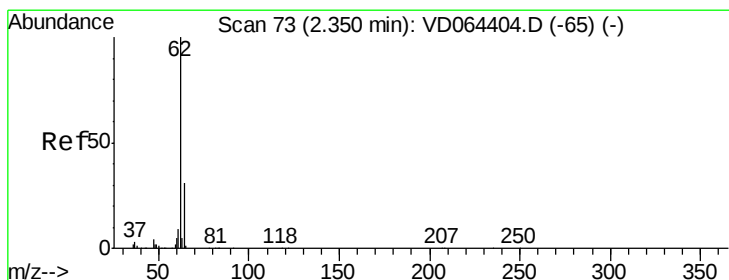
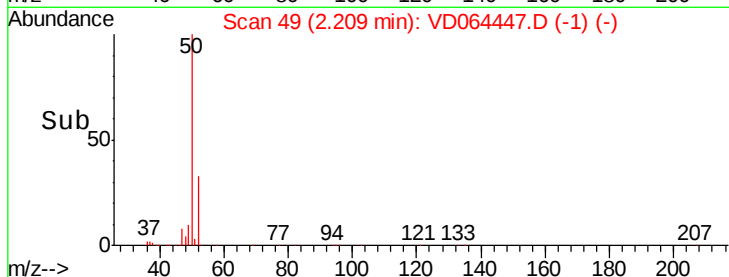
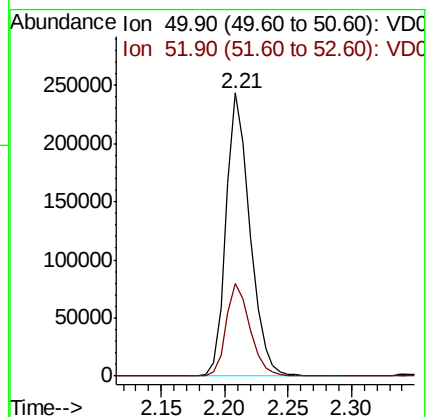
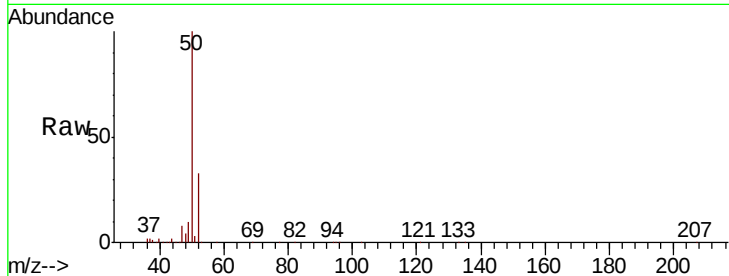
ClientSampled :

Tot Ion: 50 Resp: 317686

Ion Ratio Lower Upper

50 100

52 32.9 26.7 40.1



#4

Vinyl Chloride

Concen: 47.606 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064447.D

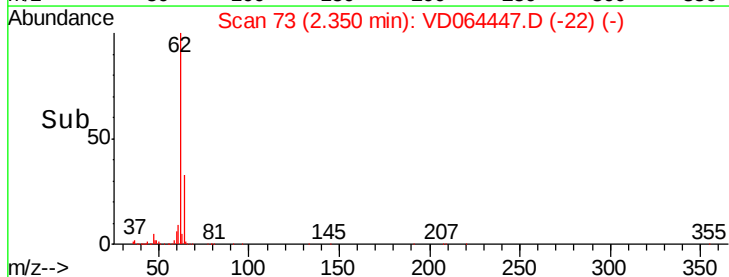
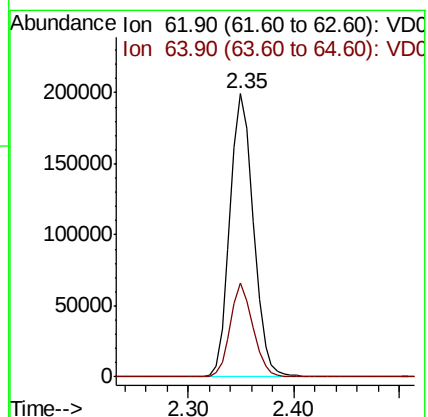
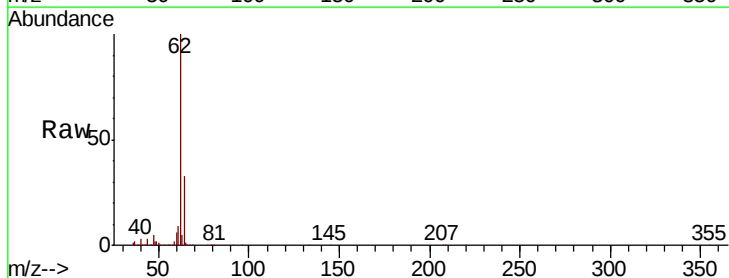
Acq: 05 Dec 2019 20:22

Tgt Ion: 62 Resp: 308844

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.4





#5

Bromomethane

Concen: 45.088 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

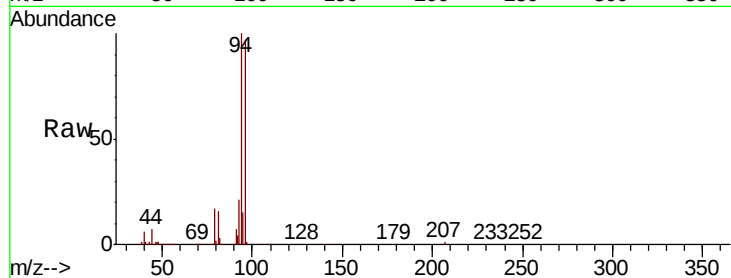
ClientSampleId :

Tot Ion: 94 Resp: 216313

Ion Ratio Lower Upper

94 100

96 97.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

60000

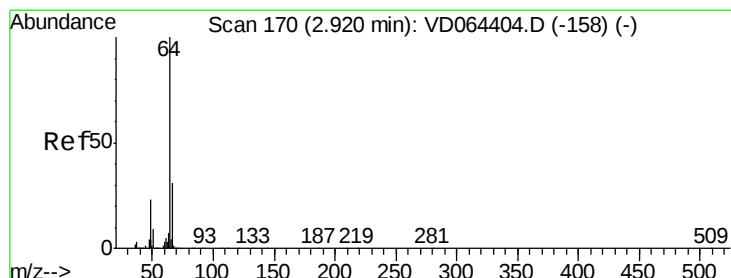
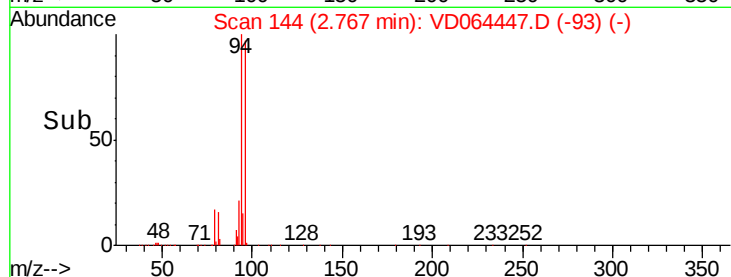
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 49.875 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064447.D

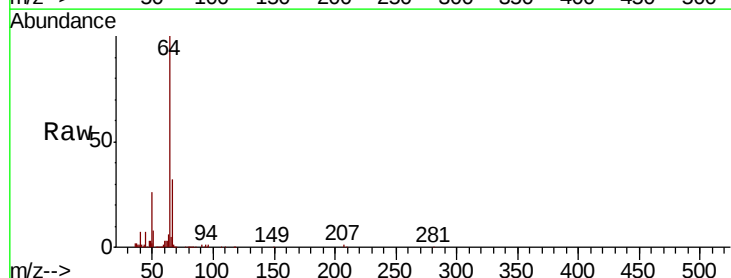
Acq: 05 Dec 2019 20:22

Tgt Ion: 64 Resp: 216269

Ion Ratio Lower Upper

64 100

66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

120000

100000

80000

60000

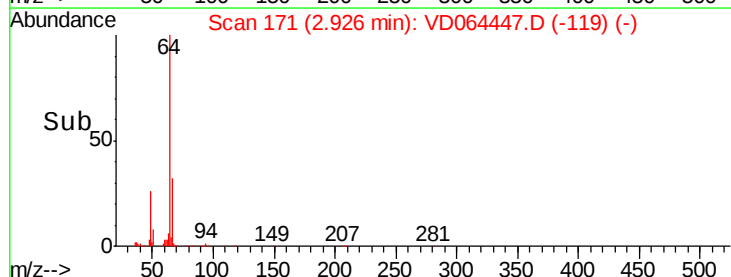
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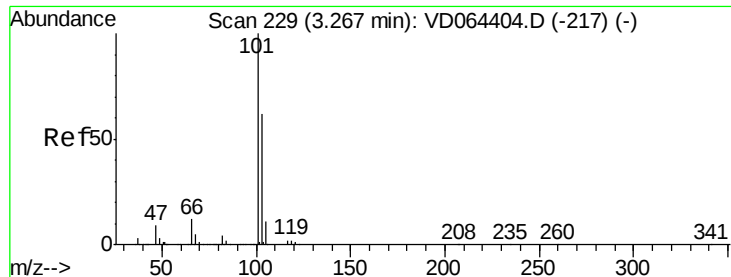
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0

Time-->

2.80 2.90 3.00



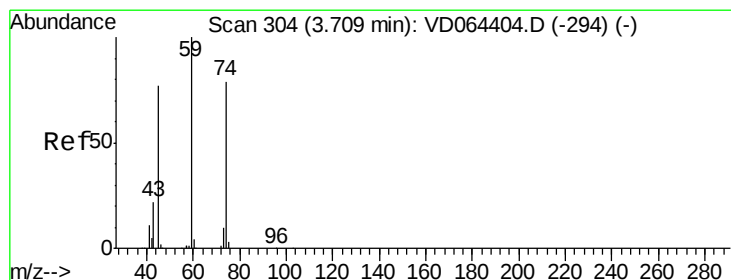
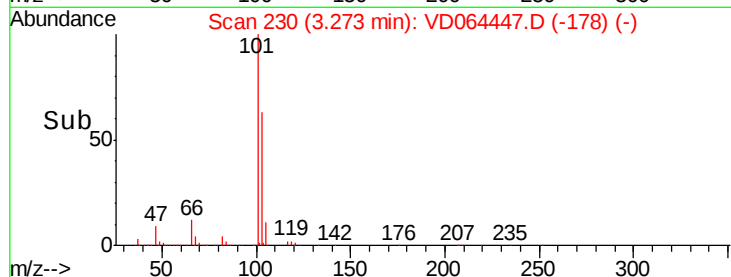
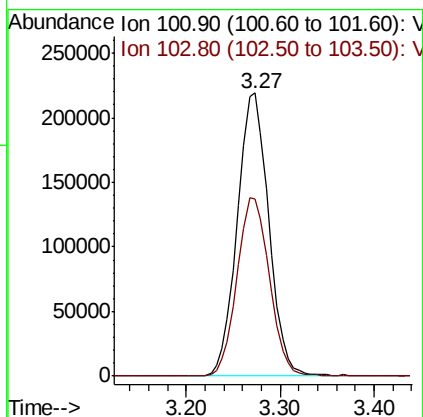
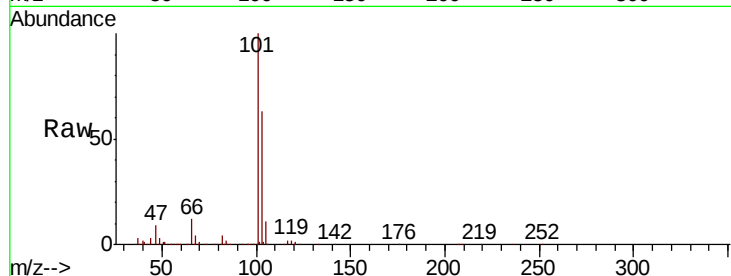


#7

Trichlorofluoromethane  
 Concen: 47.316 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. 0.01 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :

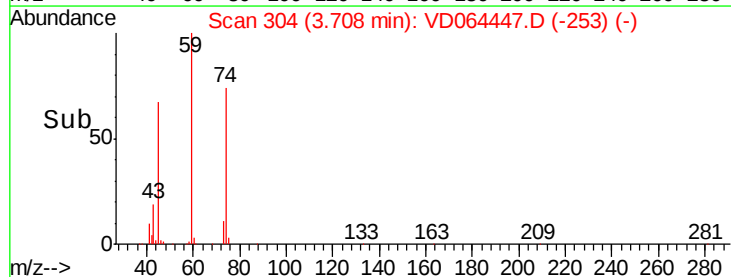
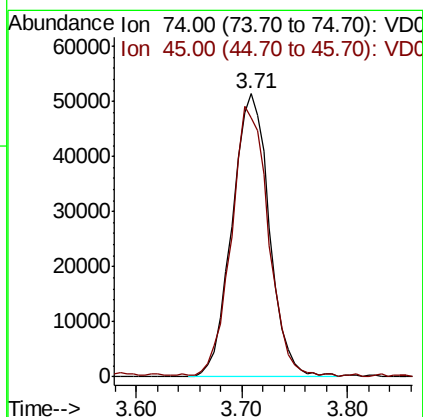
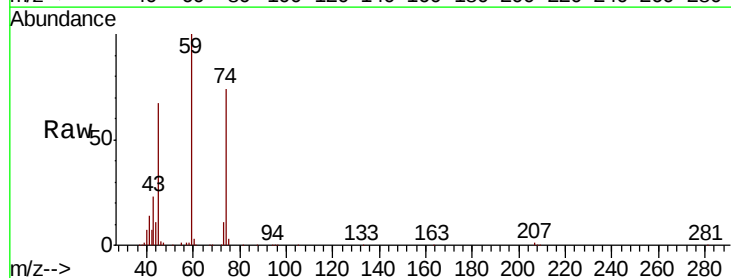
Tot Ion:101 Resp: 510295  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 49.8 74.6

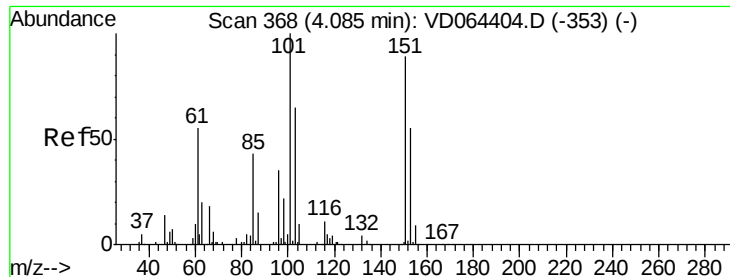


#8

Diethyl Ether  
 Concen: 56.045 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Tgt Ion: 74 Resp: 125603  
 Ion Ratio Lower Upper  
 74 100  
 45 94.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.534 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

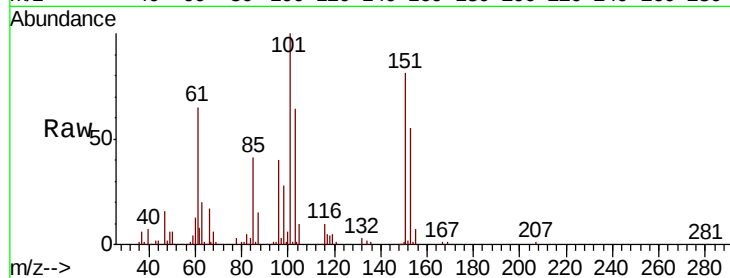
Tot Ion:101 Resp: 229056

Ion Ratio Lower Upper

101 100

85 43.1 34.8 52.2

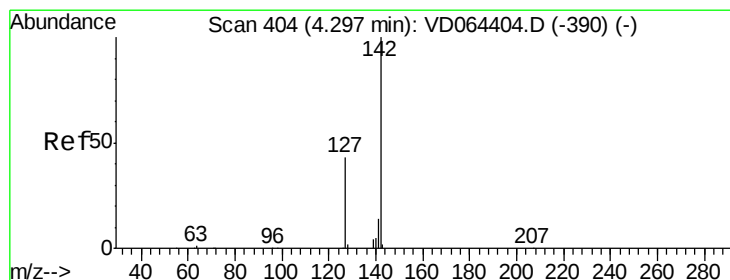
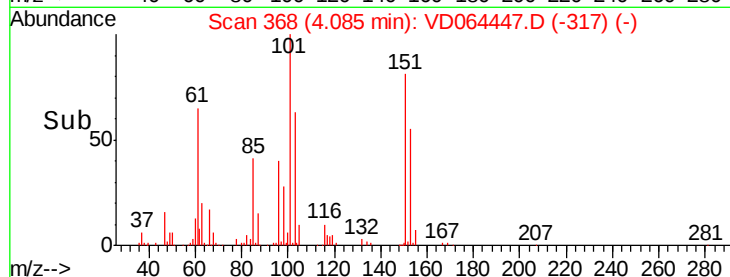
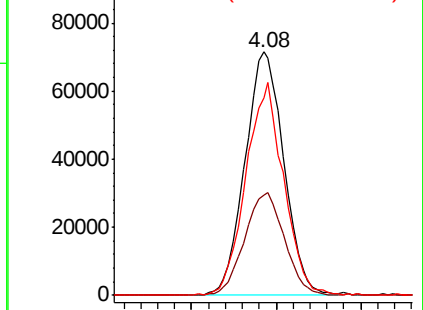
151 84.8 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.179 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

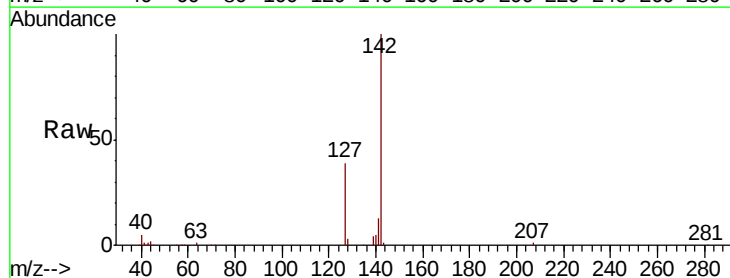
Tgt Ion:142 Resp: 259692

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

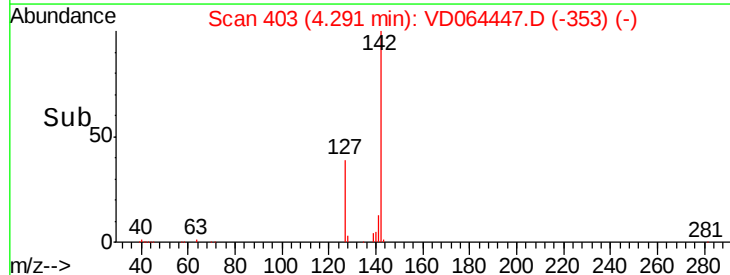
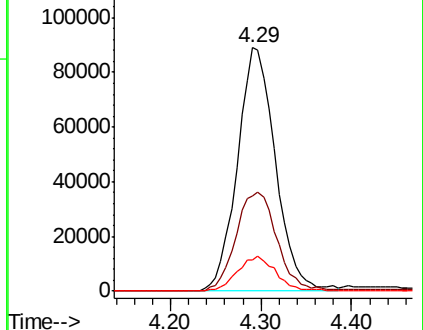
141 14.6 11.6 17.4

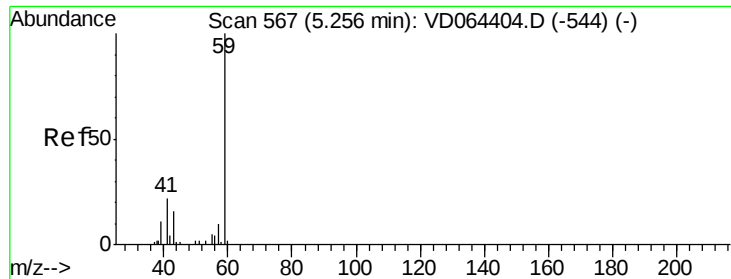


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



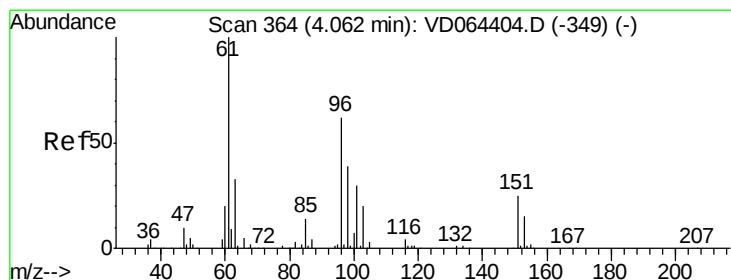
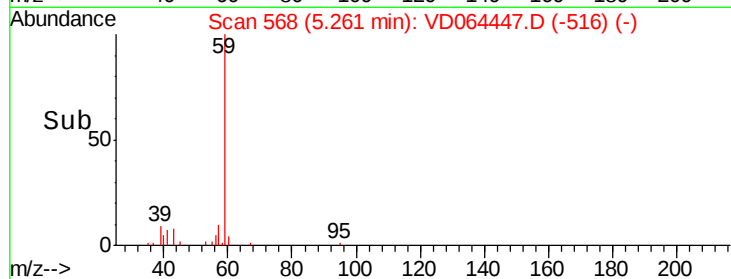
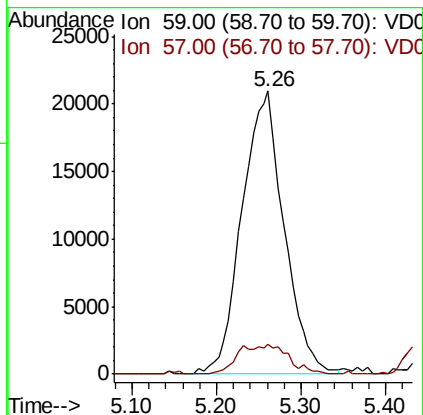
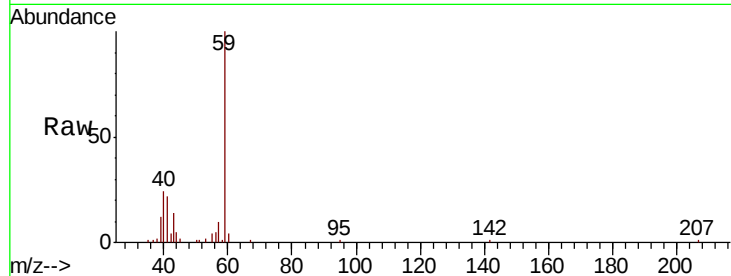


#11

Tert butyl alcohol  
Concen: 255.772 ug/l  
RT: 5.26 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampled :

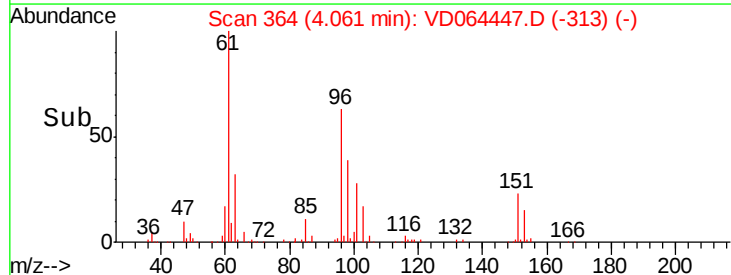
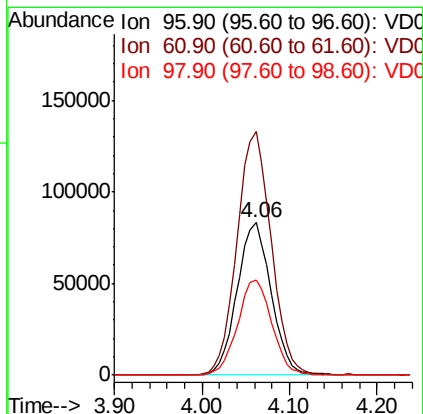
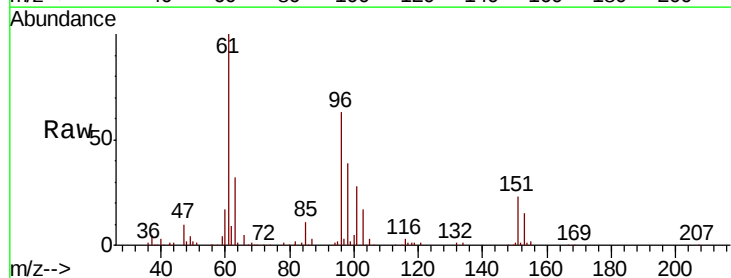
Tot Ion: 59 Resp: 72454  
Ion Ratio Lower Upper  
59 100  
57 0.0 0.0 0.0

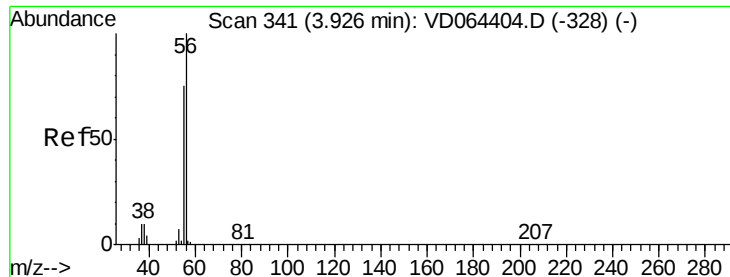


#12

1,1-Dichloroethene  
Concen: 49.656 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 96 Resp: 220052  
Ion Ratio Lower Upper  
96 100  
61 159.9 128.2 192.4  
98 62.3 50.4 75.6





#13

Acrolein

Concen: 257.333 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

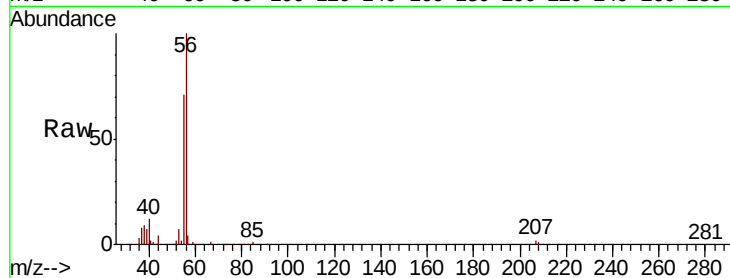
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 56 Resp: 99429

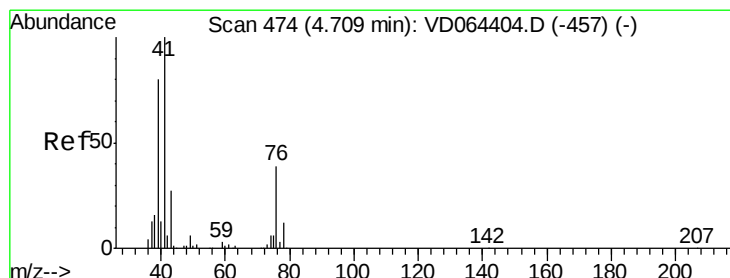
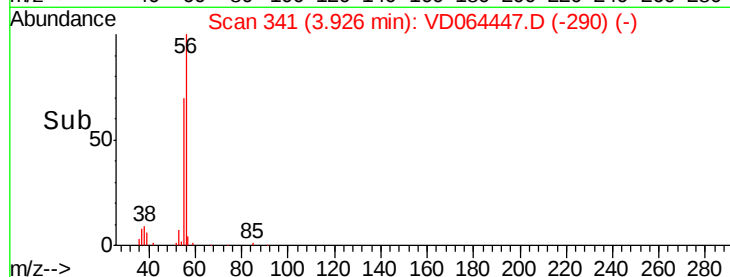
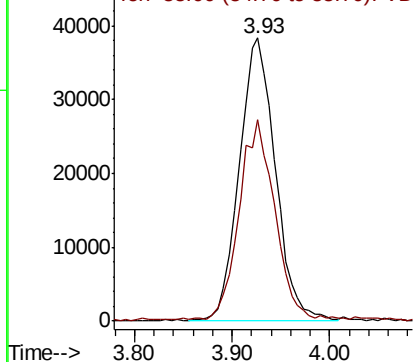
Ion Ratio Lower Upper

56 100

55 69.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.186 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

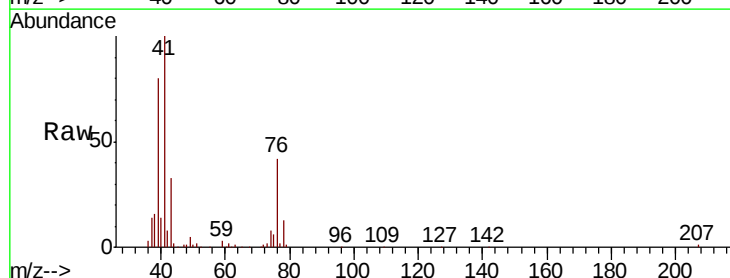
Tgt Ion: 41 Resp: 360917

Ion Ratio Lower Upper

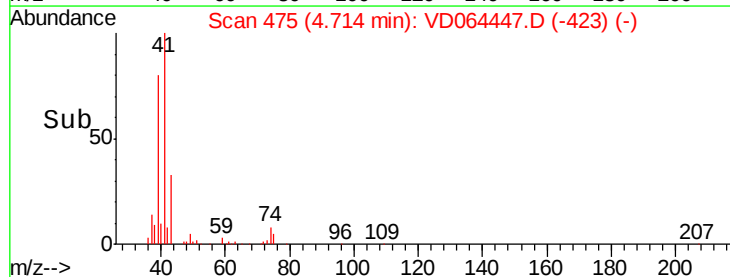
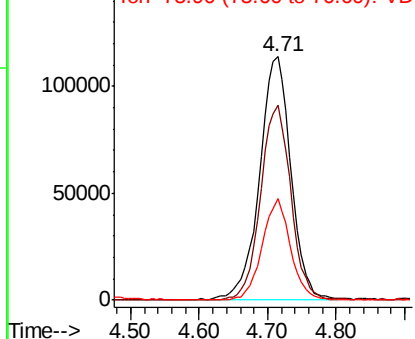
41 100

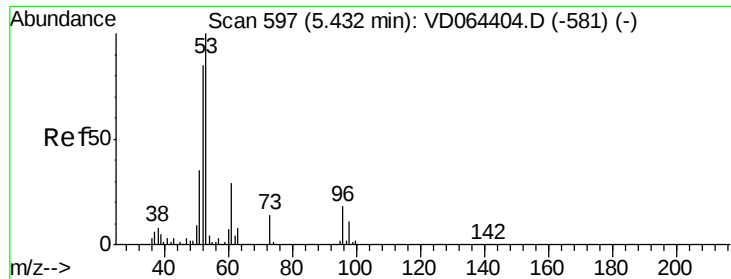
39 77.9 62.1 93.1

76 37.8 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 260.983 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

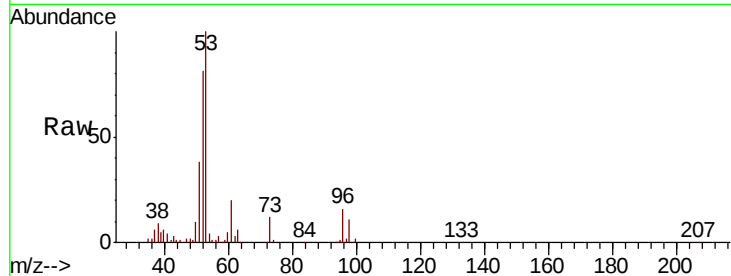
Tot Ion: 53 Resp: 255768

Ion Ratio Lower Upper

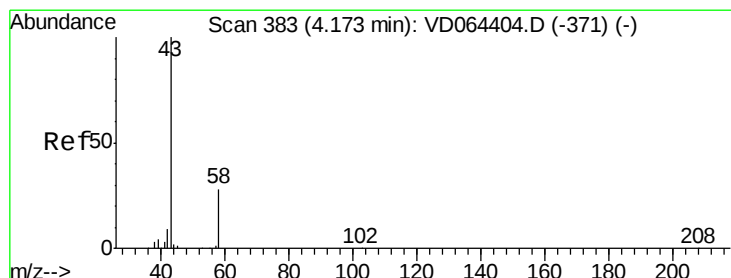
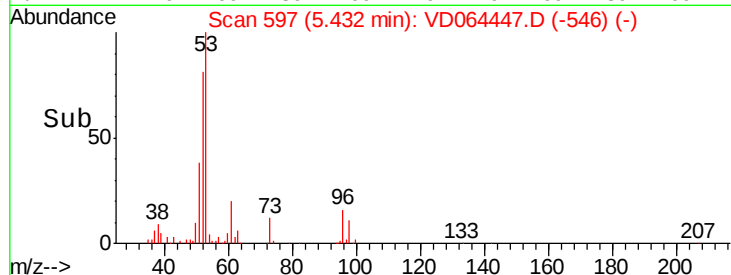
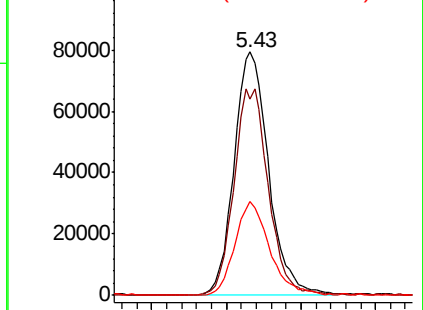
53 100

52 84.3 67.9 101.9

51 38.7 30.6 45.8



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: 254.427 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064447.D

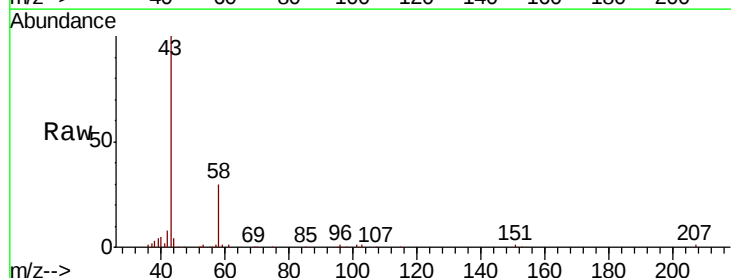
Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 228803

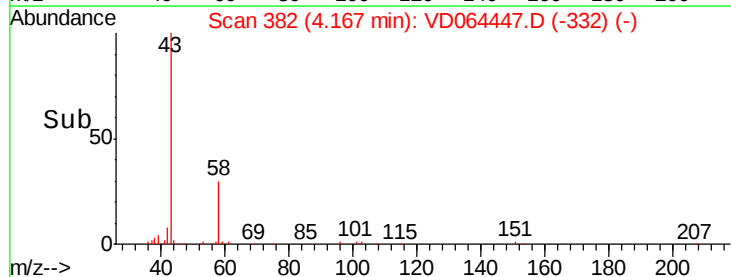
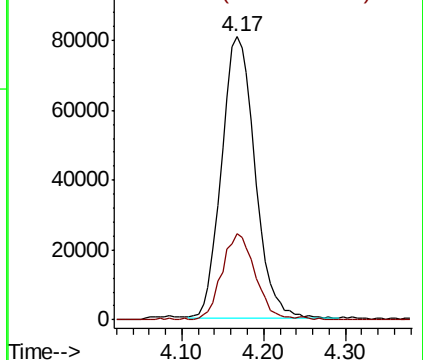
Ion Ratio Lower Upper

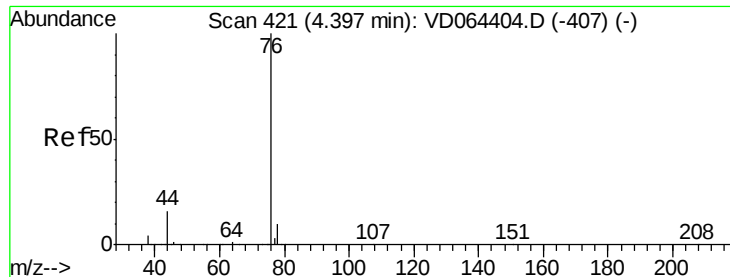
43 100

58 30.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 47.981 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

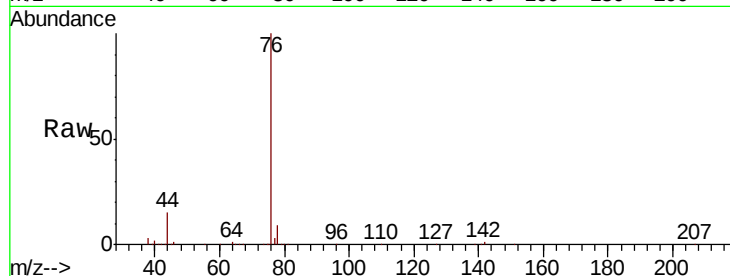
ClientSampleId :

Tot Ion: 76 Resp: 673420

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

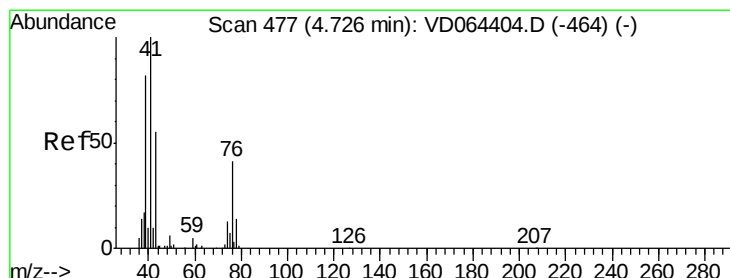
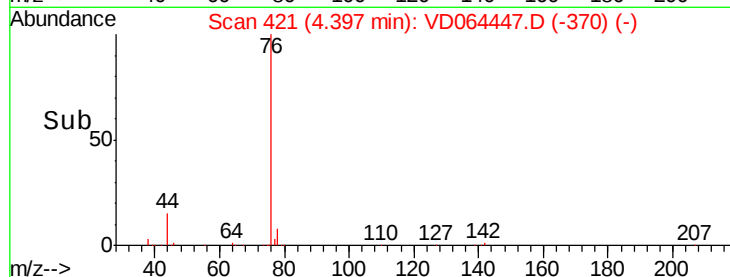
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.996 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064447.D

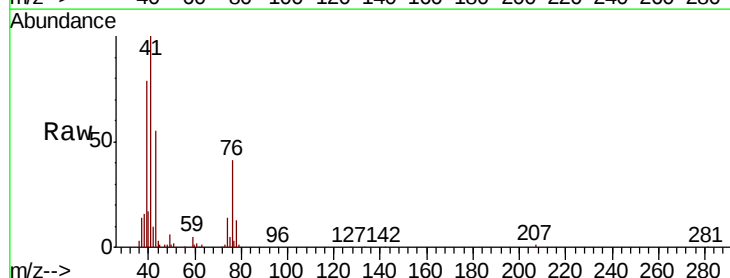
Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 144264

Ion Ratio Lower Upper

43 100

74 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

50000

40000

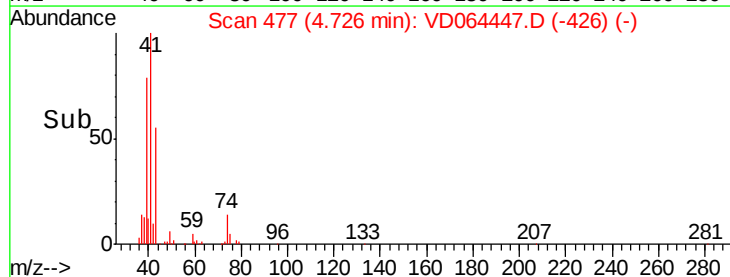
30000

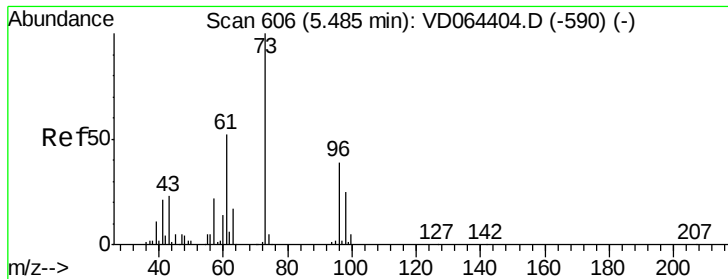
20000

10000

0

Time-->

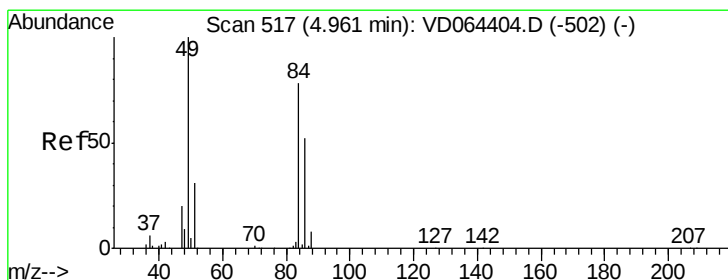
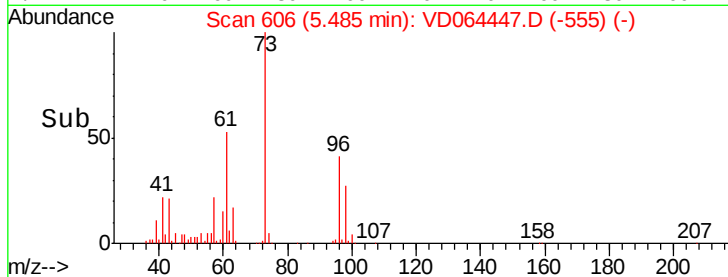
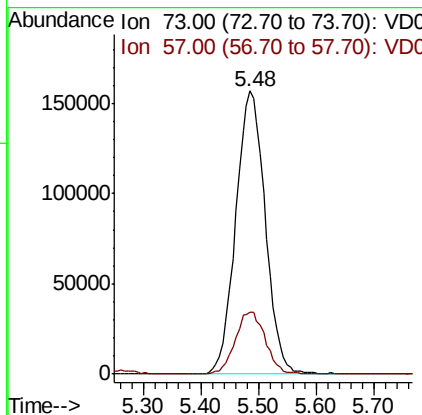
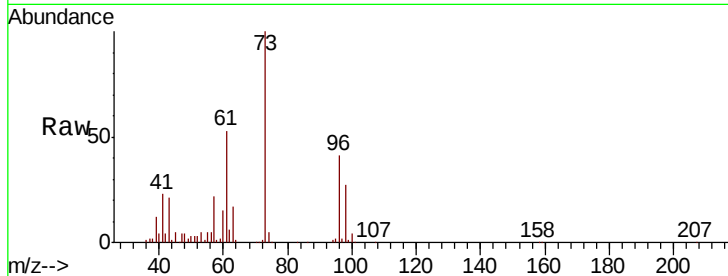




#19  
Methvl tert-butvl Ether  
Concen: 54.693 ug/l  
RT: 5.48 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

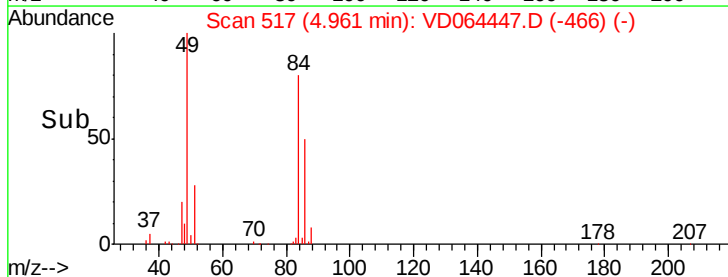
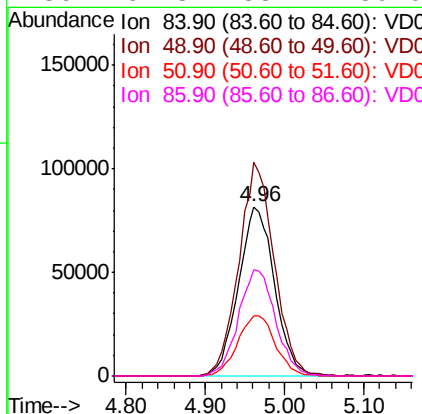
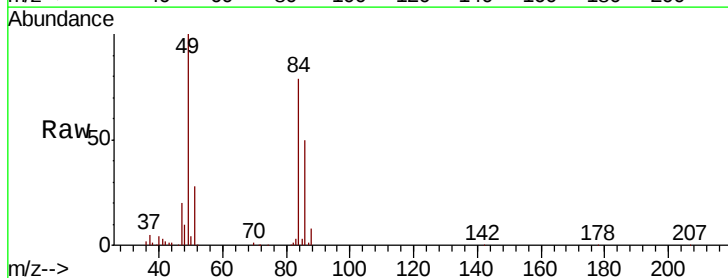
Instrument :  
MSVOA\_D  
ClientSampleId :

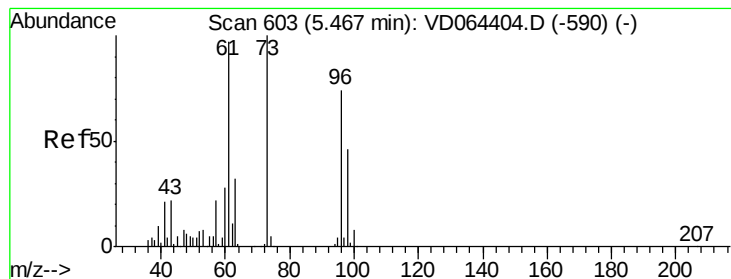
Tot Ion: 73 Resp: 555965  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.6 26.4



#20  
Methylene Chloride  
Concen: 57.073 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 84 Resp: 257909  
Ion Ratio Lower Upper  
84 100  
49 126.3 102.6 153.8  
51 35.7 32.0 48.0  
86 62.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.765 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

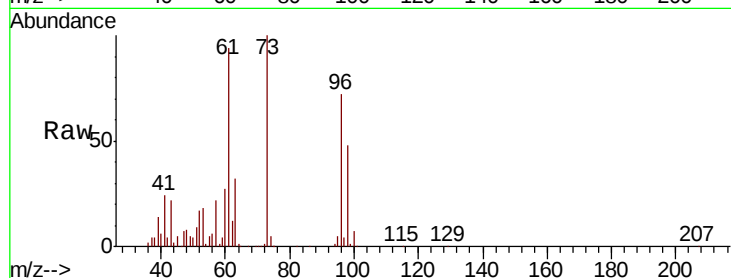
Tot Ion: 96 Resp: 249457

Ion Ratio Lower Upper

96 100

61 130.7 105.8 158.6

98 66.4 50.1 75.1

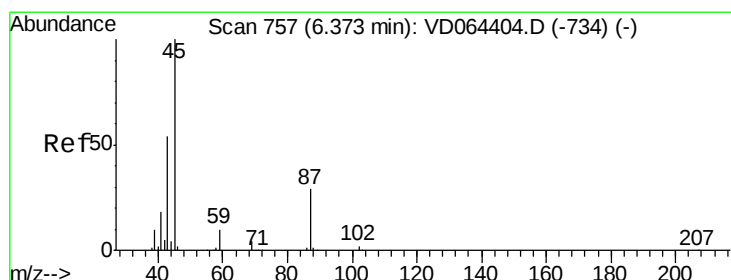
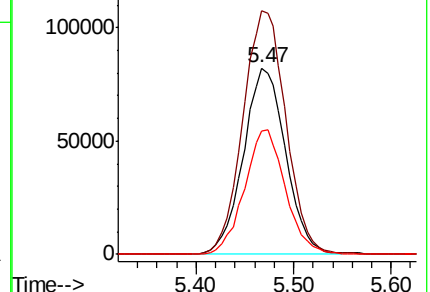
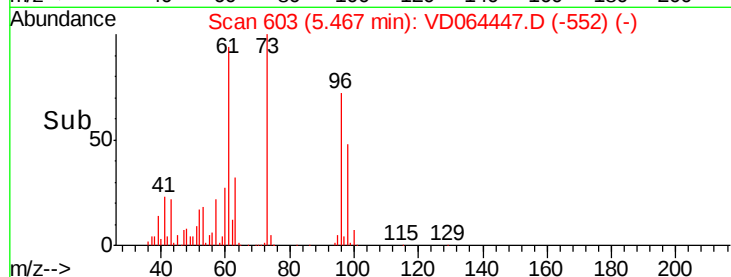


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.672 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion: 45 Resp: 746433

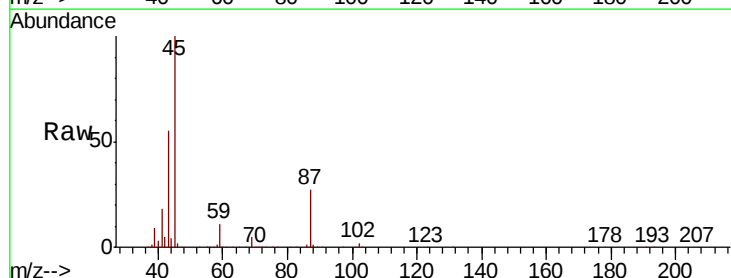
Ion Ratio Lower Upper

45 100

43 54.2 43.1 64.7

87 26.8 23.5 35.3

59 11.1 8.2 12.2



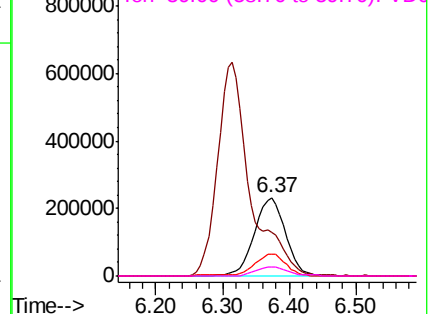
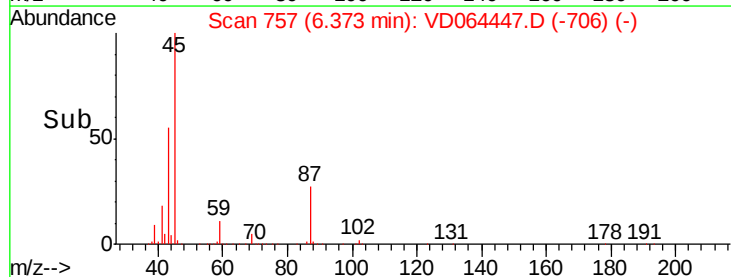
Abundance

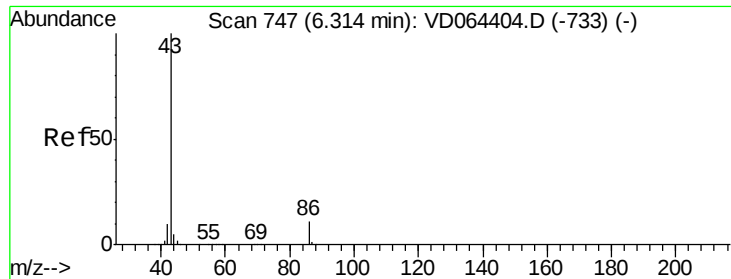
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

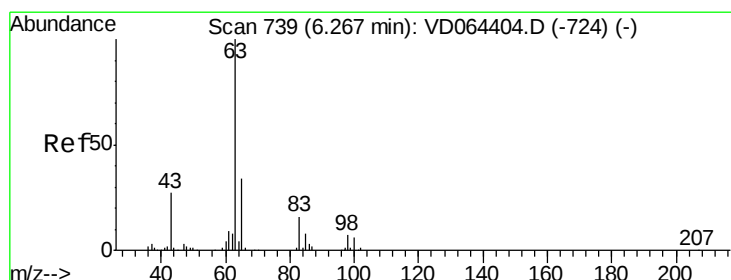
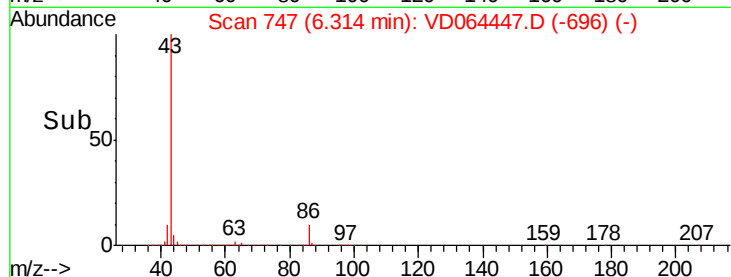
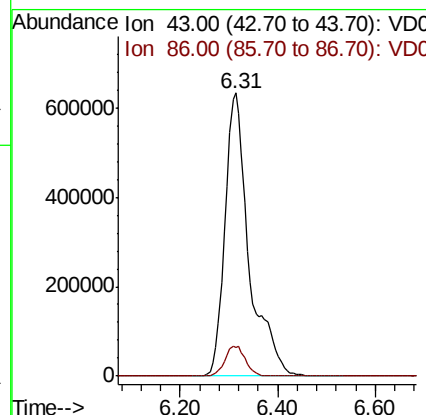
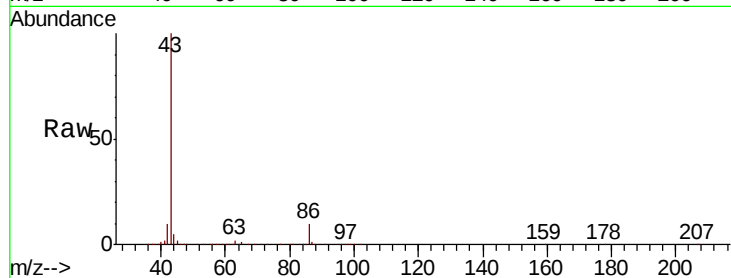




#23  
 Vinyl Acetate  
 Concen: 269.968 ug/l  
 RT: 6.31 min Scan# 747  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

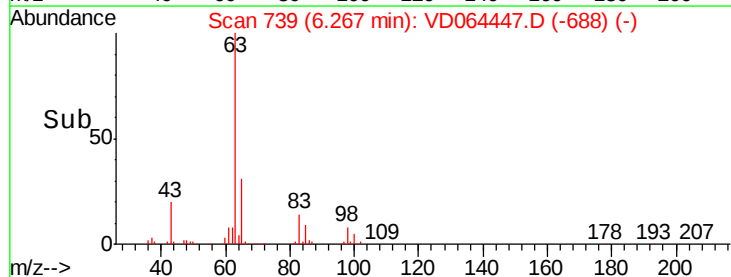
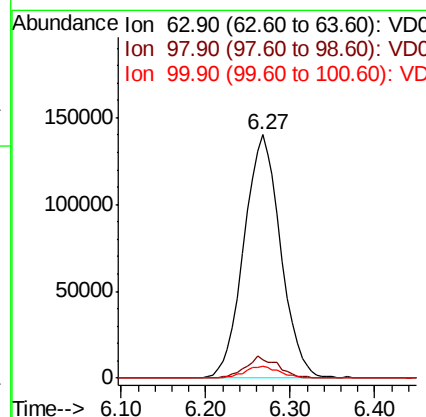
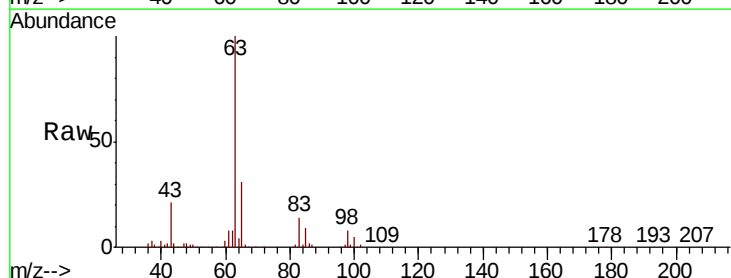
Instrument :  
 MSVOA\_D  
 ClientSampleId :

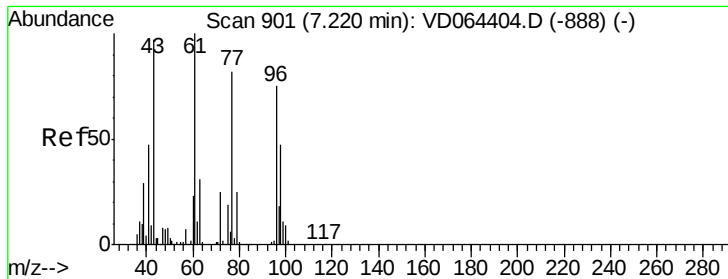
Tot Ion: 43 Resp: 2172928  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 8.9 13.3



#24  
 1,1-Dichloroethane  
 Concen: 51.490 ug/l  
 RT: 6.27 min Scan# 739  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Tgt Ion: 63 Resp: 422763  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.6 10.9  
 100 4.9 2.9 8.6





#25

2-Butanone

Concen: 253.236 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

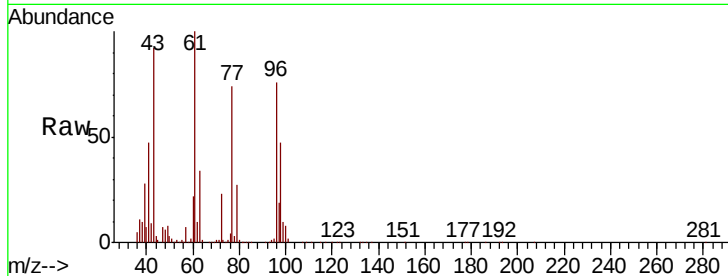
ClientSampled :

Tot Ion: 43 Resp: 322060

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

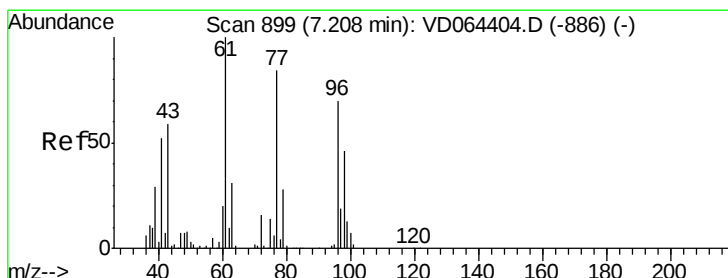
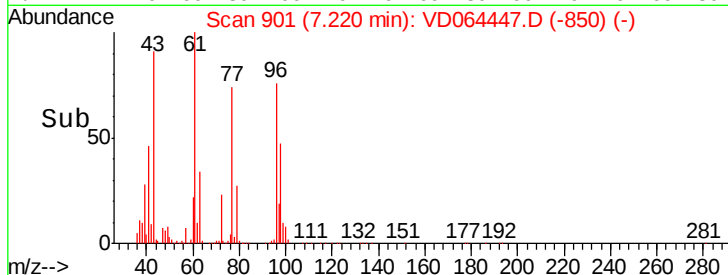
50000

0

7.10 7.15 7.20 7.25 7.30

7.22

Time-->



#26

2,2-Dichloropropane

Concen: 49.454 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064447.D

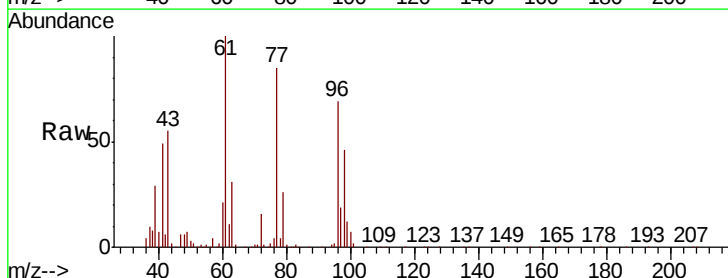
Acq: 05 Dec 2019 20:22

Tgt Ion: 77 Resp: 353125

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

100000

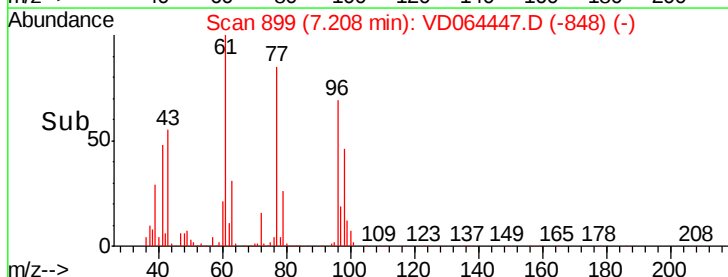
50000

0

7.10 7.15 7.20 7.25 7.30

7.21

Time-->



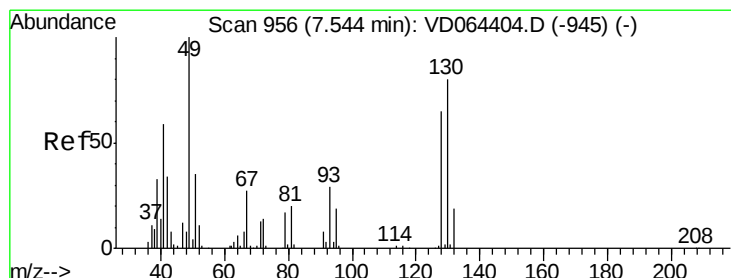
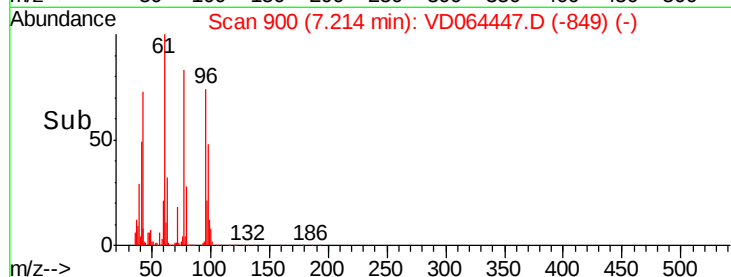
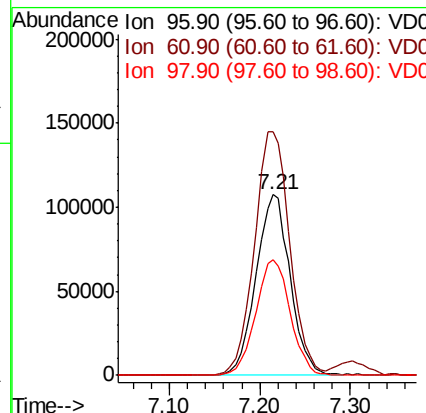
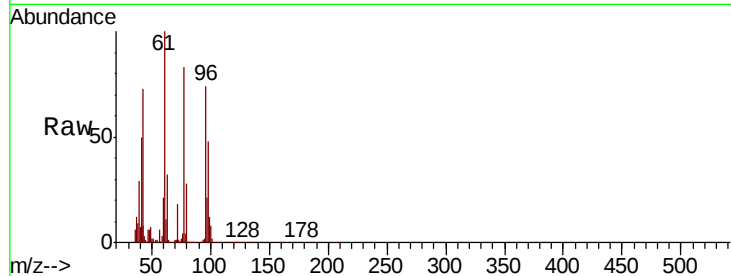


#27

cis-1,2-Dichloroethene  
Concen: 51.678 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampleId :

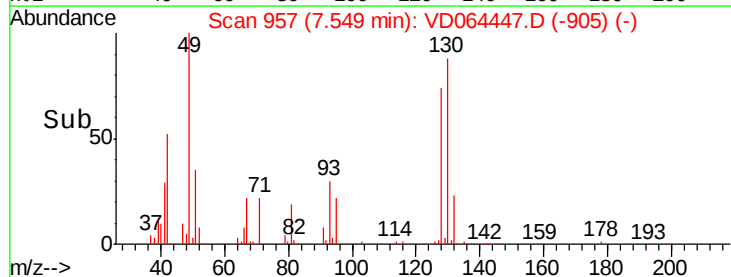
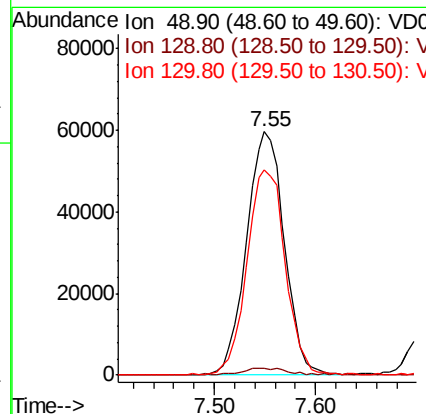
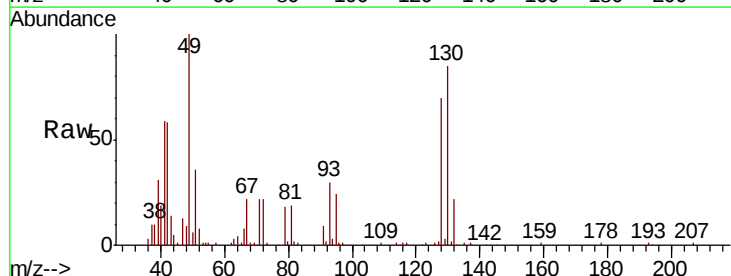
| Tot Ion | 96    | Resp  | 282421 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 96      | 100   |       |        |
| 61      | 139.3 | 0.0   | 279.6  |
| 98      | 64.6  | 0.0   | 129.2  |

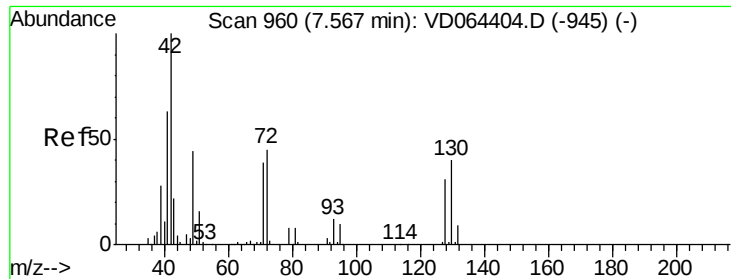


#28

Bromochloromethane  
Concen: 54.952 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

| Tgt Ion | 49    | Resp  | 154195 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 49      | 100   |       |        |
| 129     | 3.3   | 0.0   | 4.4    |
| 130     | 85.5  | 67.4  | 101.0  |

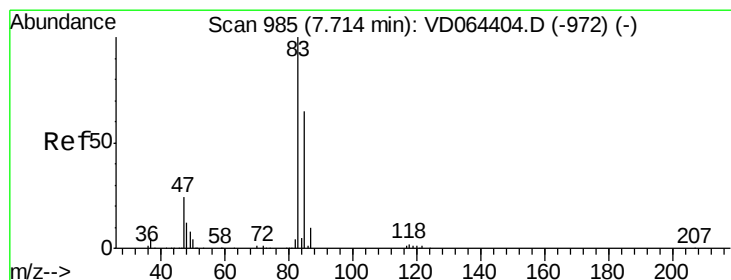
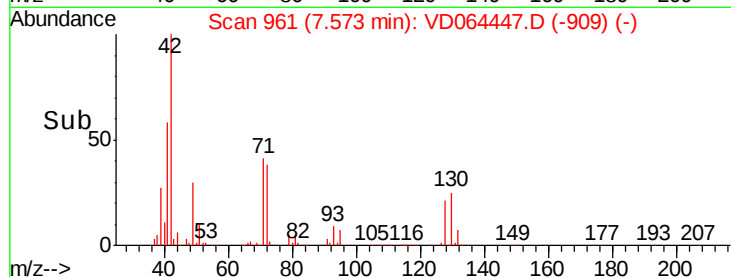
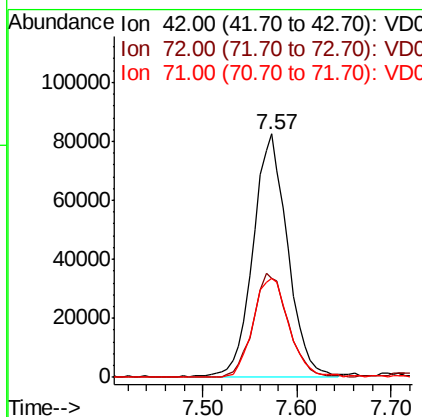
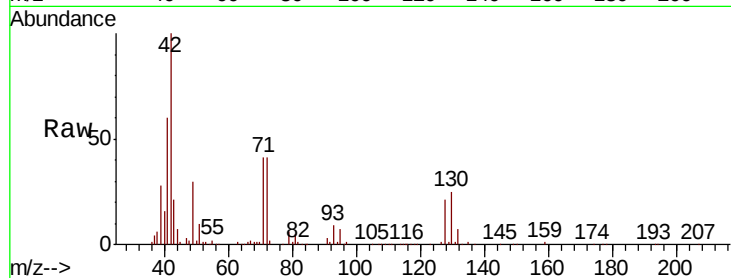




#29  
Tetrahydrofuran  
Concen: 256.813 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

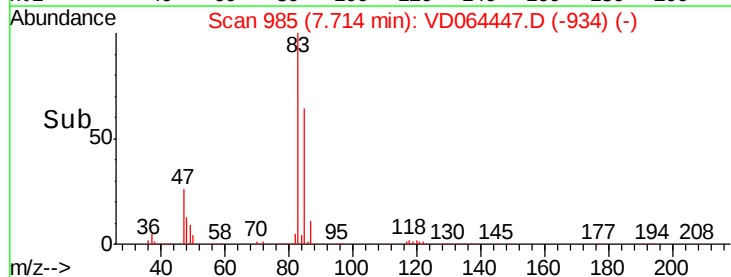
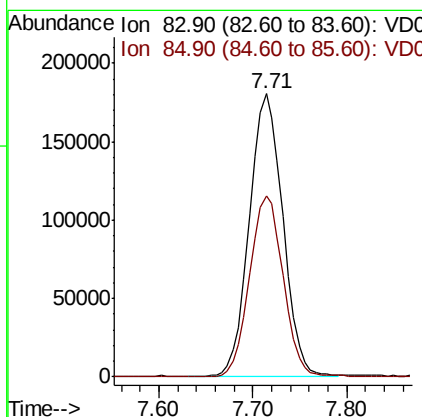
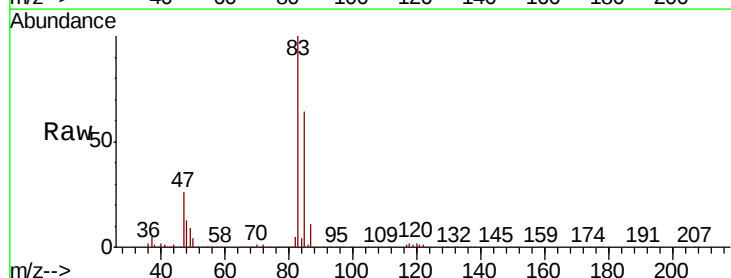
Instrument :  
MSVOA\_D  
ClientSampleId :

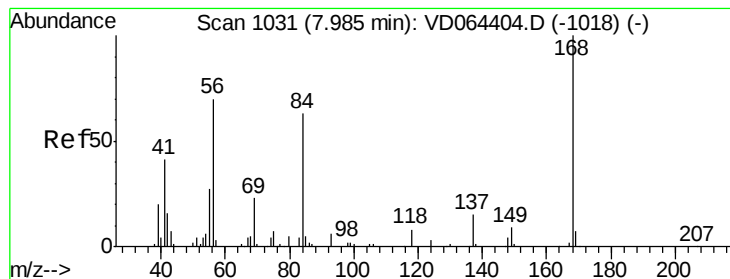
Tot Ion: 42 Resp: 207797  
Ion Ratio Lower Upper  
42 100  
72 43.9 35.8 53.8  
71 43.3 32.7 49.1



#30  
Chloroform  
Concen: 52.413 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 83 Resp: 445688  
Ion Ratio Lower Upper  
83 100  
85 63.9 51.8 77.6





#31

Cyclohexane

Concen: 50.406 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampled :

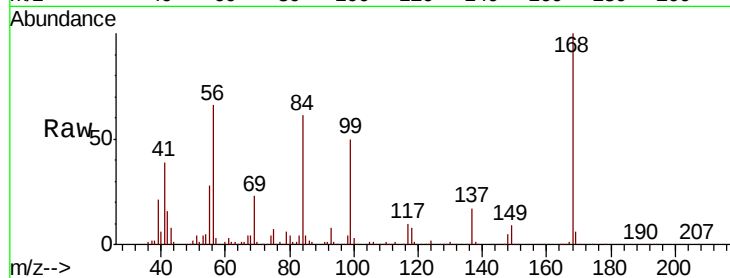
Tot Ion: 56 Resp: 361063

Ion Ratio Lower Upper

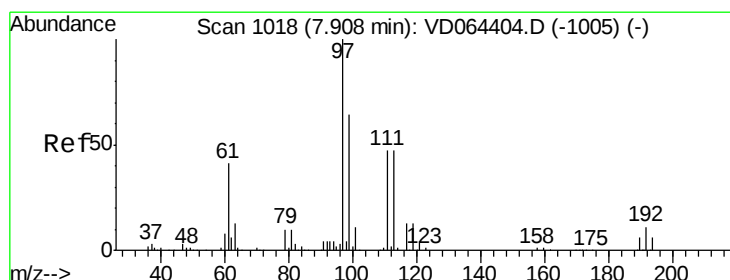
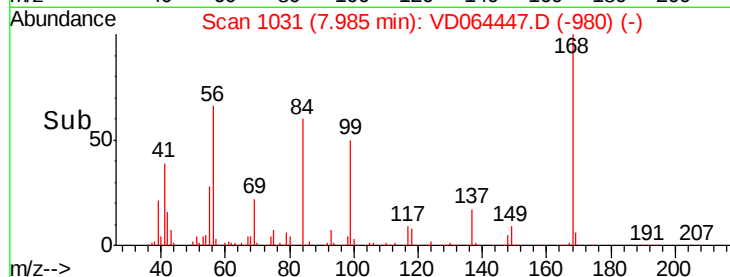
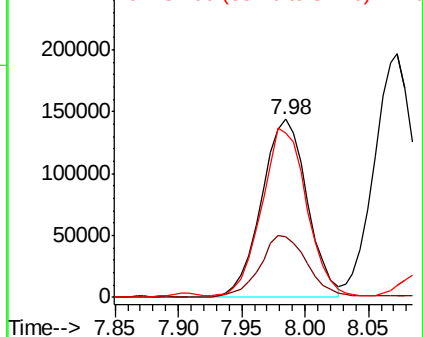
56 100

69 33.6 26.2 39.4

84 90.3 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.641 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

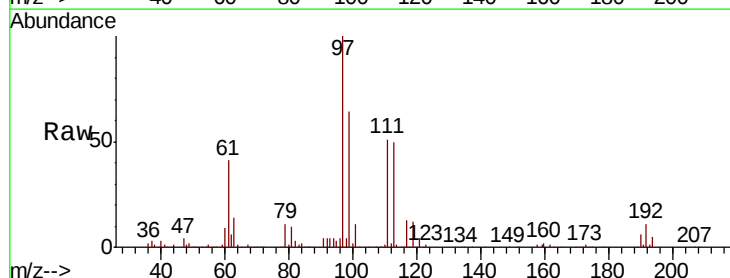
Tgt Ion: 97 Resp: 399231

Ion Ratio Lower Upper

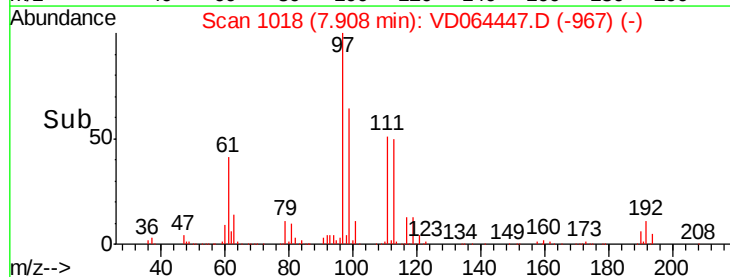
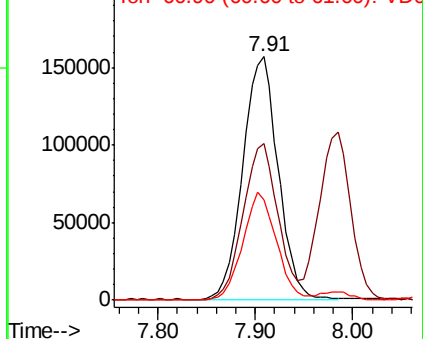
97 100

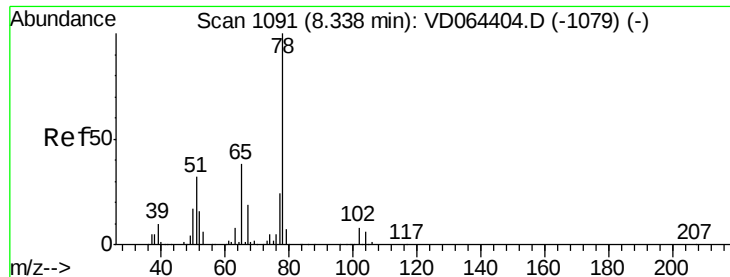
99 63.2 51.4 77.2

61 42.1 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VDC  
Ion 98.90 (98.60 to 99.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.034 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

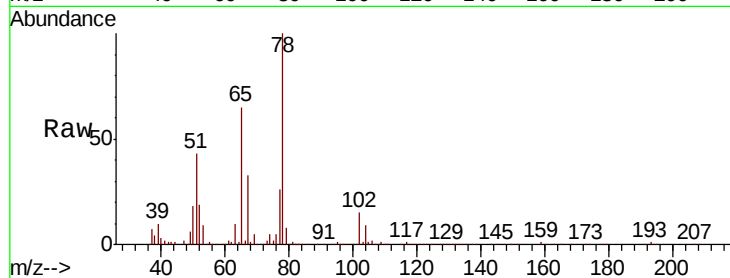
ClientSampleId :

Tot Ion: 65 Resp: 236010

Ion Ratio Lower Upper

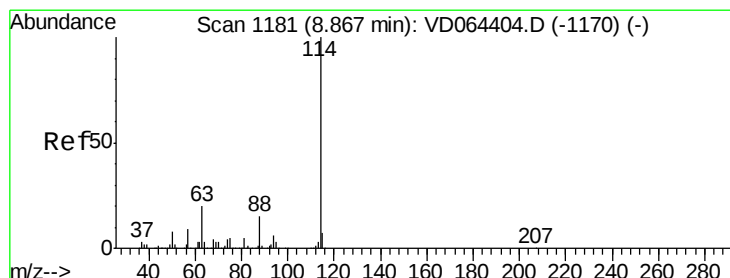
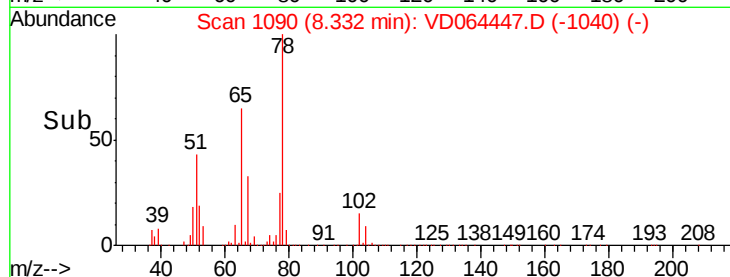
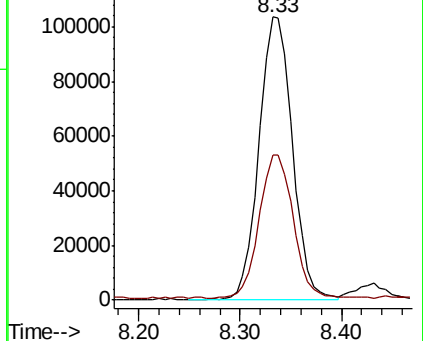
65 100

67 51.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

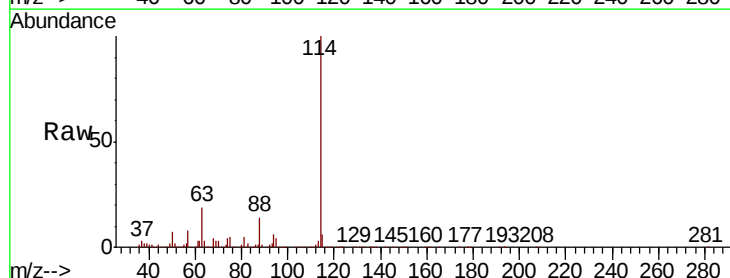
Tgt Ion: 114 Resp: 740413

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

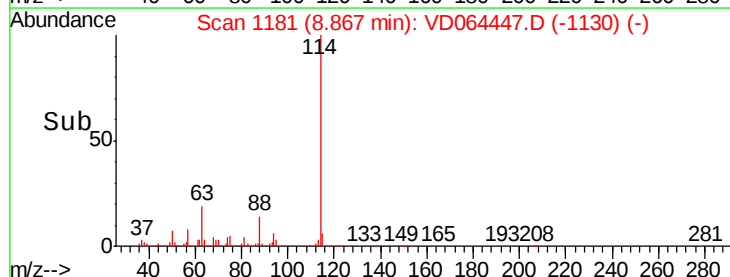
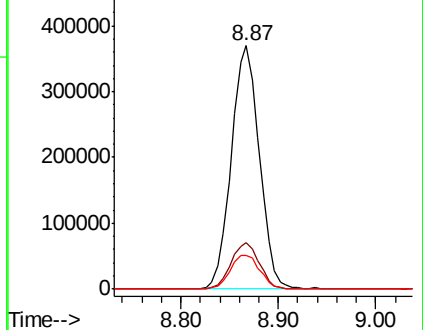
88 14.1 0.0 29.2

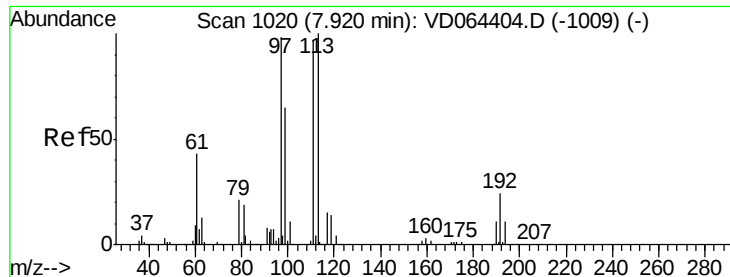


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

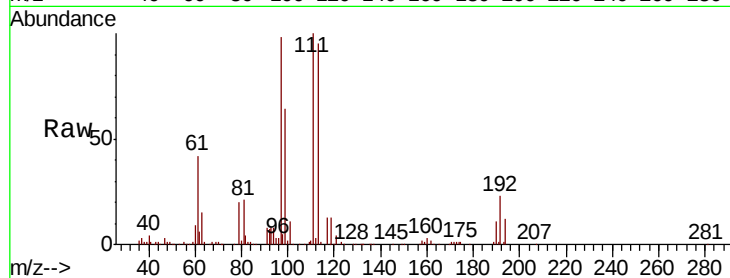




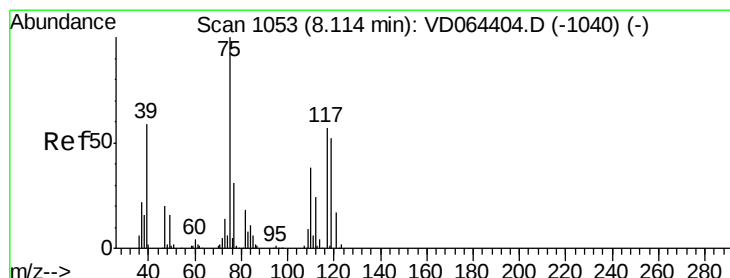
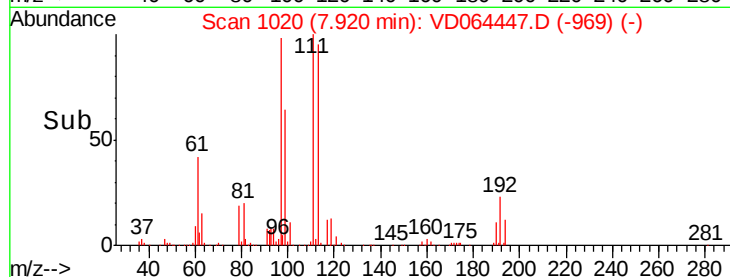
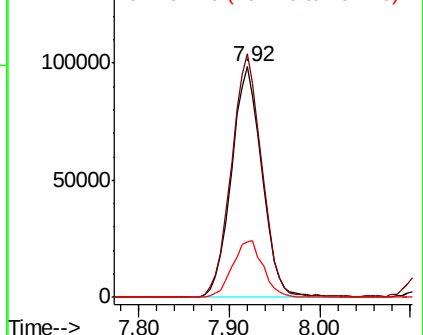
#35  
 Dibromofluoromethane  
 Concen: 49.502 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.8 | 79.4  | 119.2 |
| 192     | 24.5  | 18.6  | 28.0  |

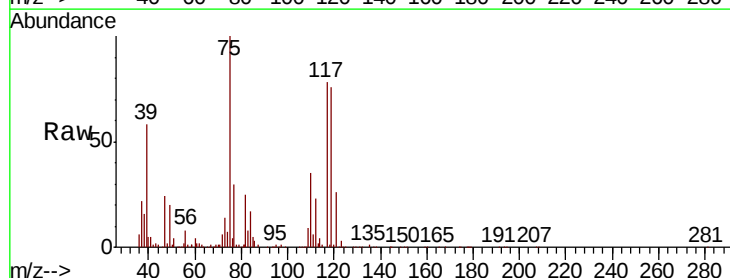


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

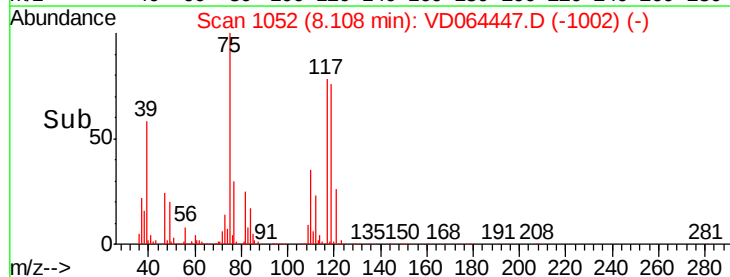
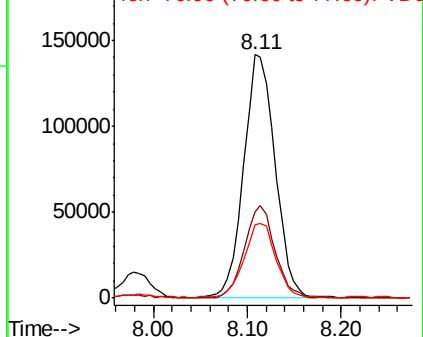


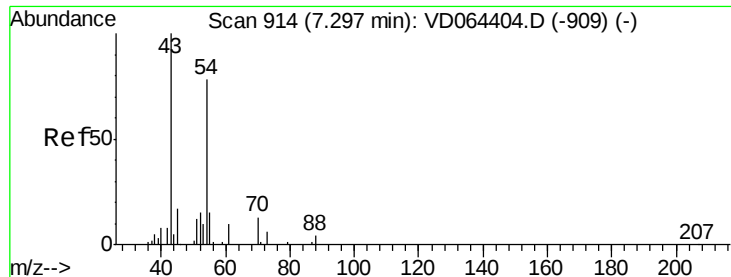
#36  
 1,1-Dichloropropene  
 Concen: 46.940 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.3  | 18.6  | 55.8  |
| 77      | 30.5  | 25.0  | 37.4  |



Abundance Ion 74.90 (74.60 to 75.60): VDC  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VDC

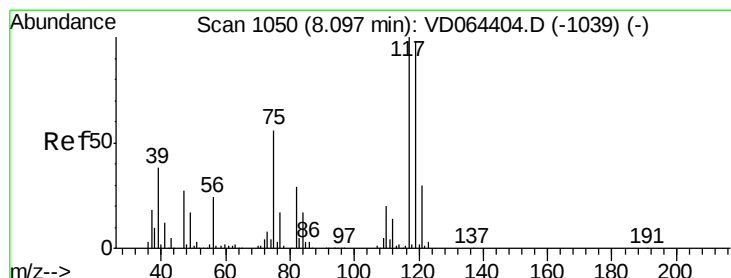
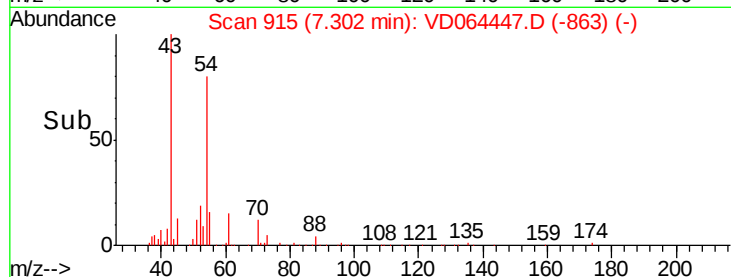
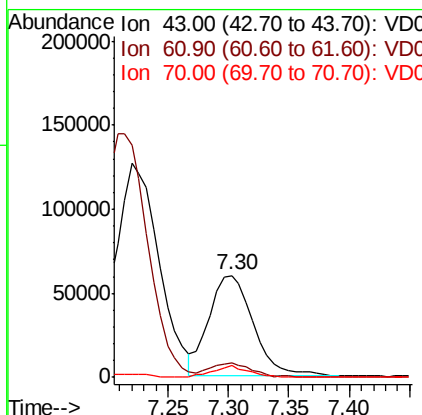
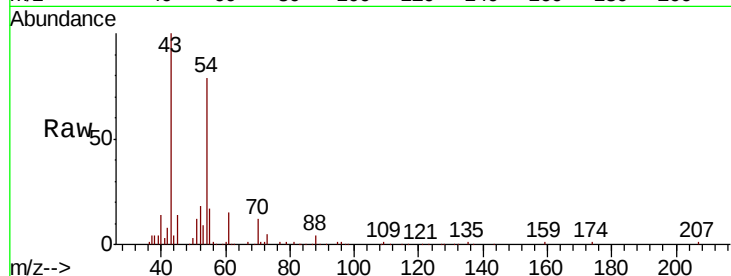




#37  
Ethyl Acetate  
Concen: 51.455 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

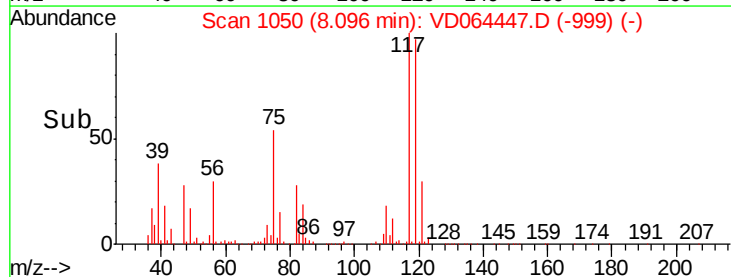
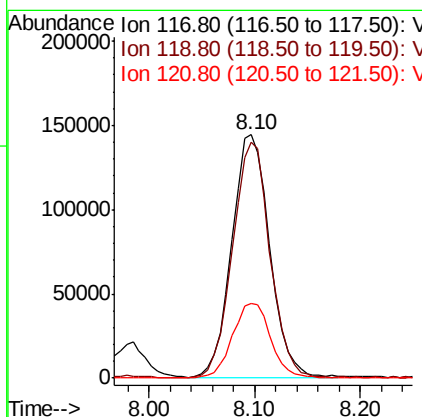
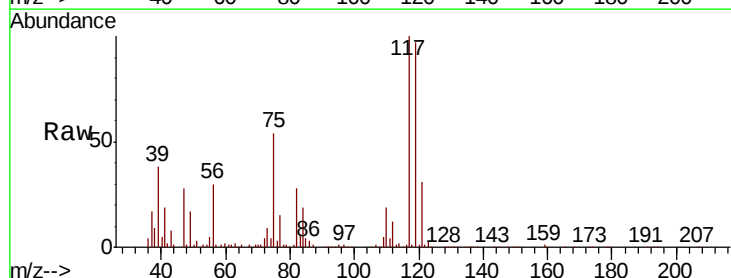
Instrument :  
MSVOA\_D  
ClientSampleId :

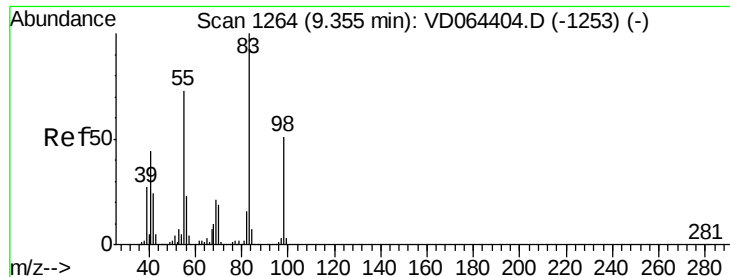
Tot Ion: 43 Resp: 152906  
Ion Ratio Lower Upper  
43 100  
61 13.2 10.9 16.3  
70 10.1 8.3 12.5



#38  
Carbon Tetrachloride  
Concen: 48.457 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 117 Resp: 358165  
Ion Ratio Lower Upper  
117 100  
119 96.7 78.8 118.2  
121 30.6 24.2 36.2

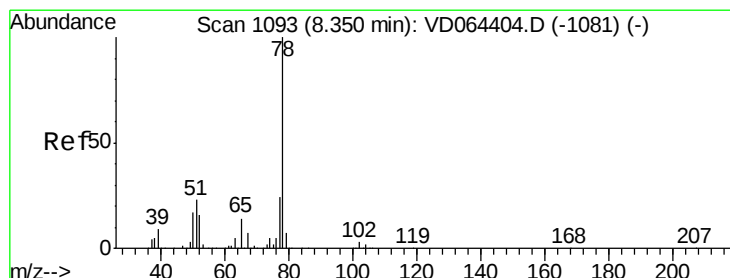
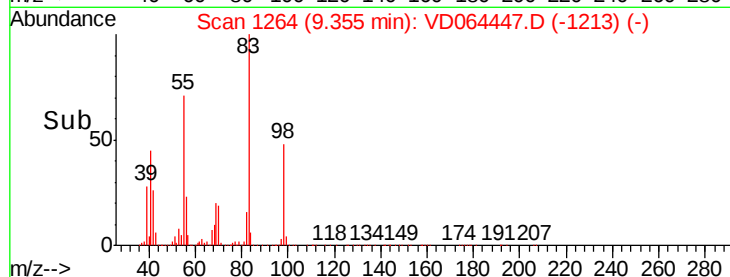
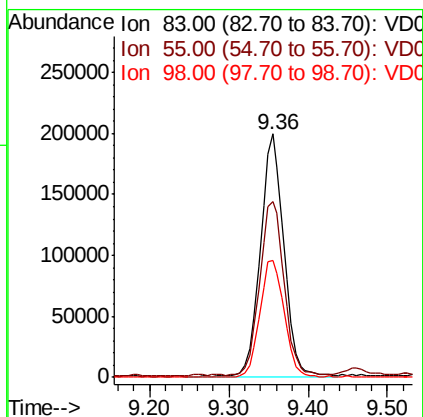
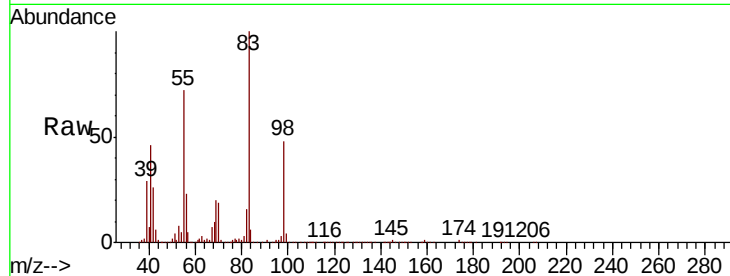




#39  
Methvlcvclohexane  
Concen: 47.307 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

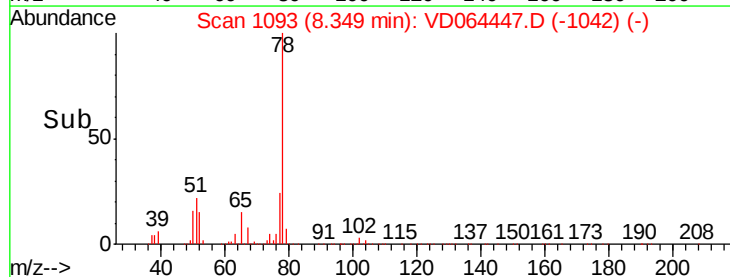
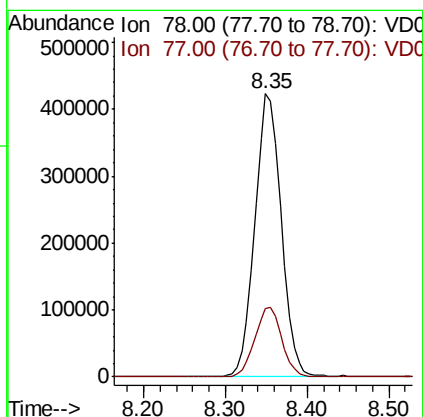
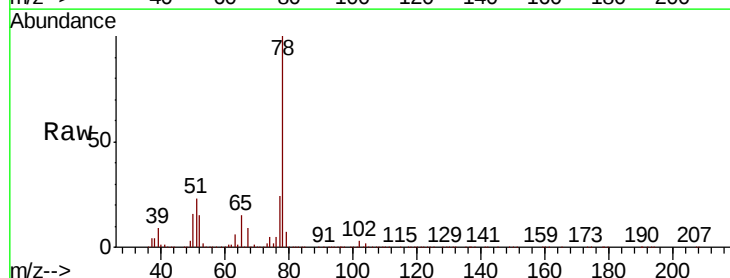
Instrument :  
MSVOA\_D  
ClientSampleId :

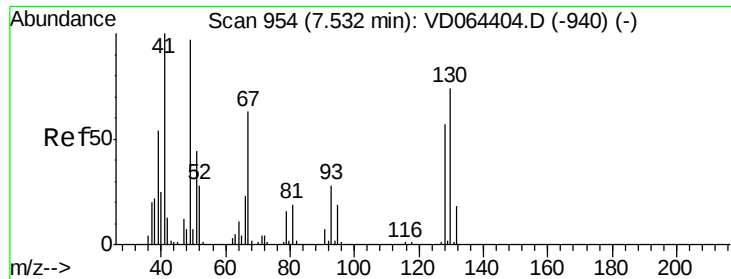
Tot Ion: 83 Resp: 410972  
Ion Ratio Lower Upper  
83 100  
55 71.5 58.6 87.8  
98 48.4 40.9 61.3



#40  
Benzene  
Concen: 48.988 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 78 Resp: 952876  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.6 29.4

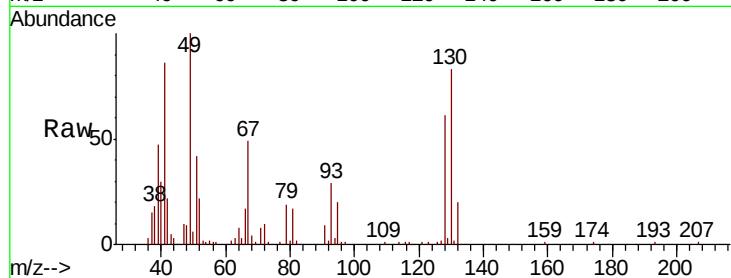




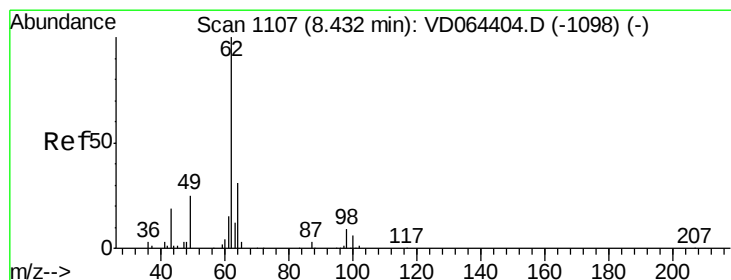
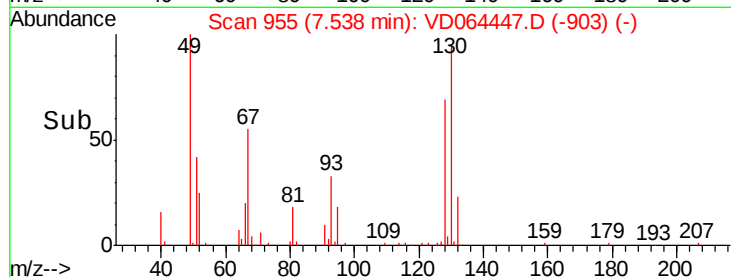
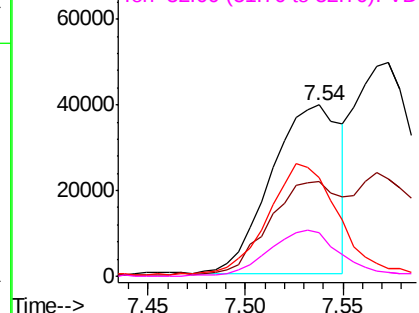
#41  
Methacrylonitrile  
Concen: 56.941 ug/l  
RT: 7.54 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 41 Resp: 97038  
Ion Ratio Lower Upper  
41 100  
39 55.2 44.6 67.0  
67 66.1 50.9 76.3  
52 28.7 22.5 33.7

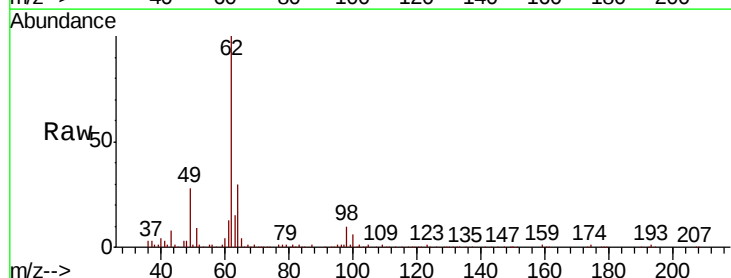


Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

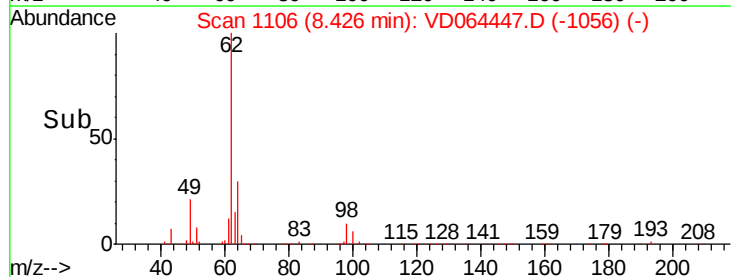
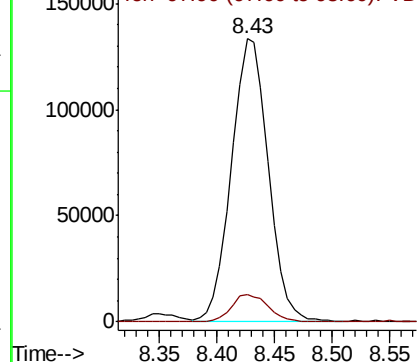


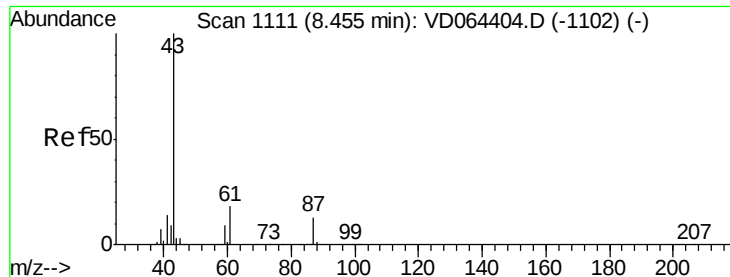
#42  
1,2-Dichloroethane  
Concen: 51.828 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 62 Resp: 293992  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.255 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

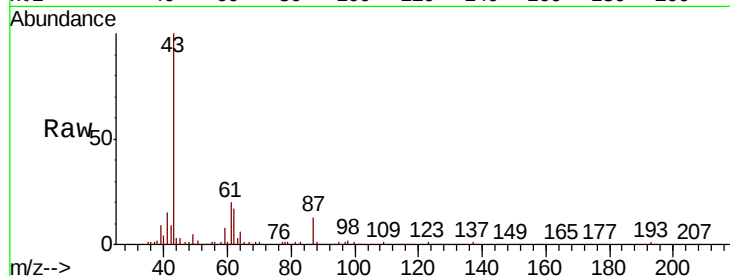
Tot Ion: 43 Resp: 305314

Ion Ratio Lower Upper

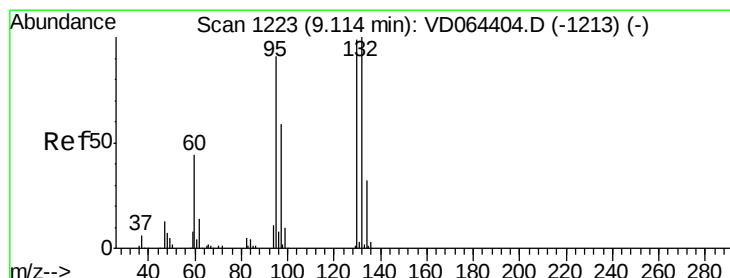
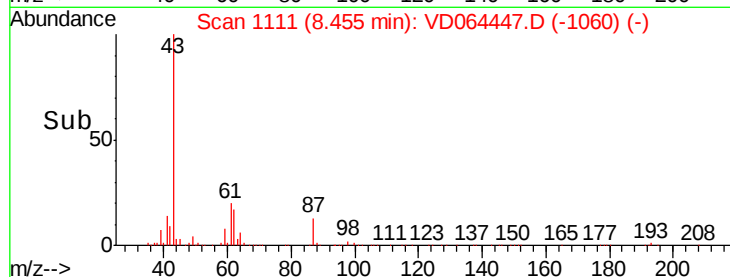
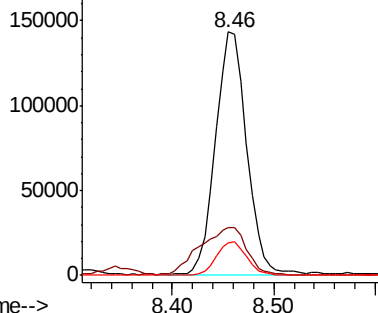
43 100

61 29.3 24.0 36.0

87 13.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 61.00 (60.70 to 61.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.820 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064447.D

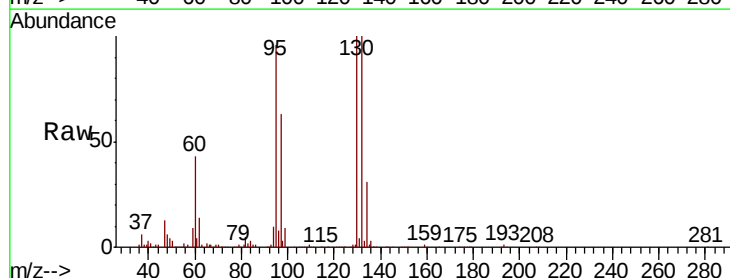
Acq: 05 Dec 2019 20:22

Tgt Ion:130 Resp: 280184

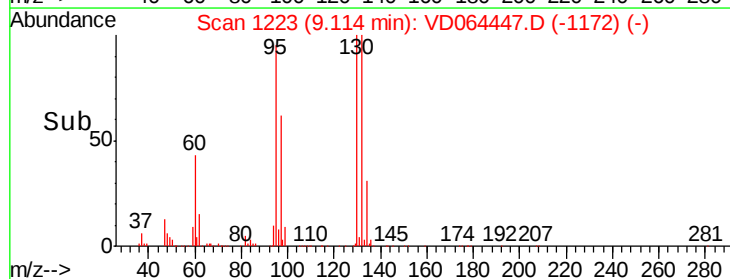
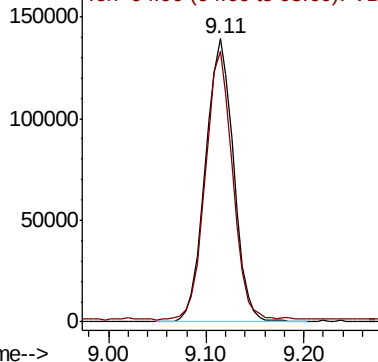
Ion Ratio Lower Upper

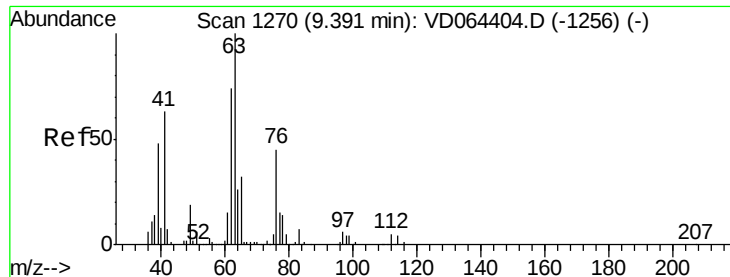
130 100

95 95.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC  
Ion 94.90 (94.60 to 95.60): VDC

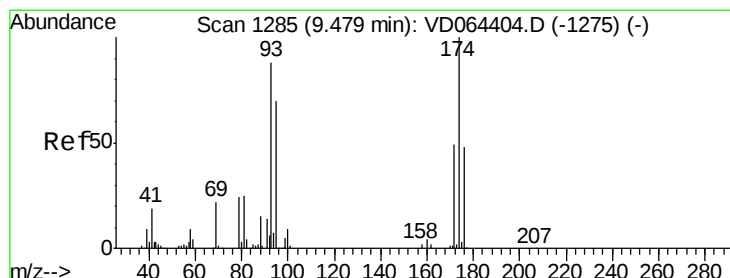
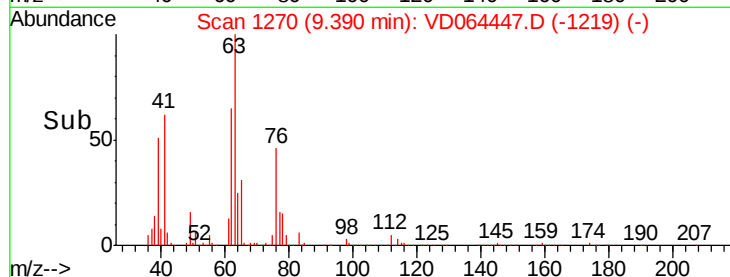
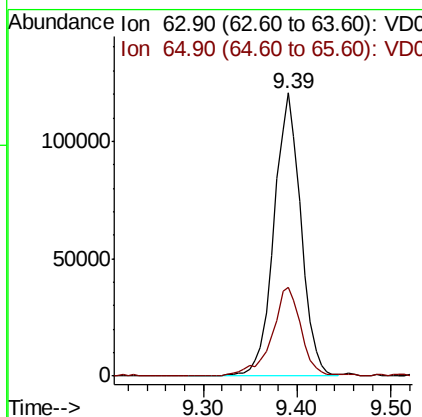
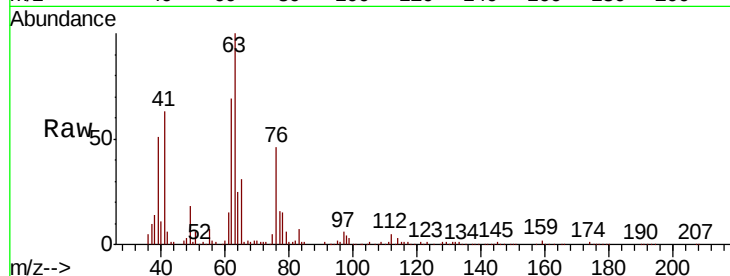




#45  
1,2-Dichloropropane  
Concen: 51.174 ug/l  
RT: 9.39 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

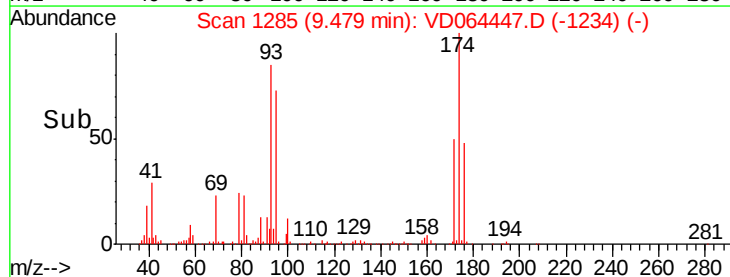
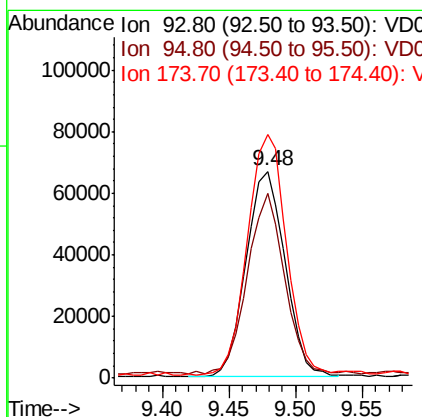
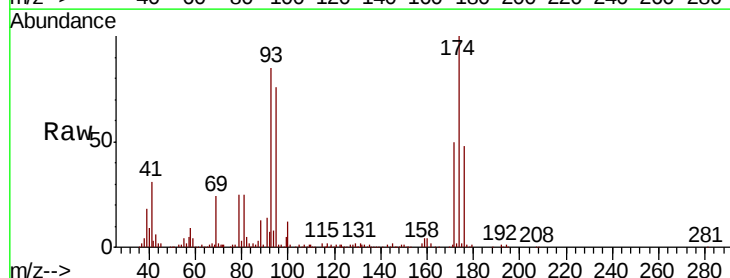
Instrument :  
MSVOA\_D  
ClientSampled :

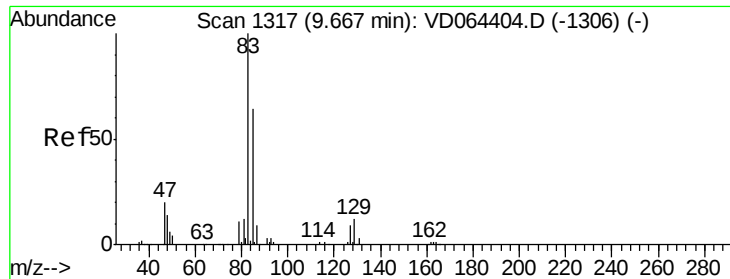
Tot Ion: 63 Resp: 238055  
Ion Ratio Lower Upper  
63 100  
65 30.9 25.4 38.0



#46  
Dibromomethane  
Concen: 51.002 ug/l  
RT: 9.48 min Scan# 1285  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 93 Resp: 133906  
Ion Ratio Lower Upper  
93 100  
95 85.5 66.7 100.1  
174 119.2 92.3 138.5





#47

Bromodichloromethane

Concen: 52.708 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

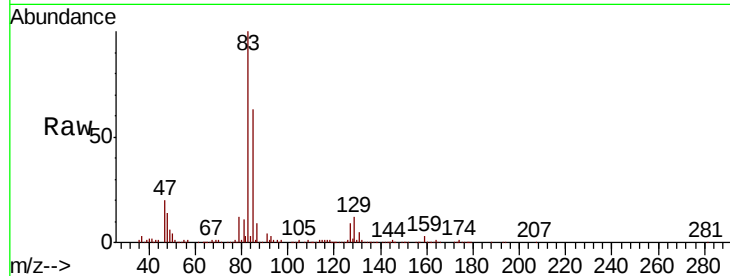
Tot Ion: 83 Resp: 355575

Ion Ratio Lower Upper

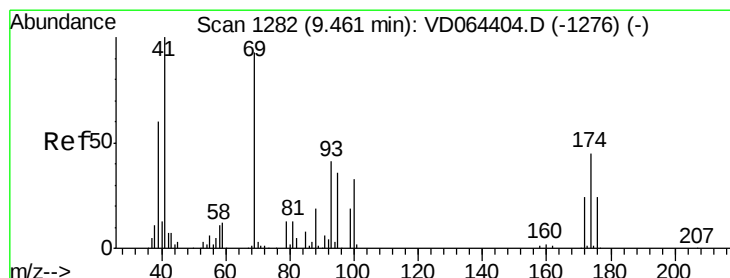
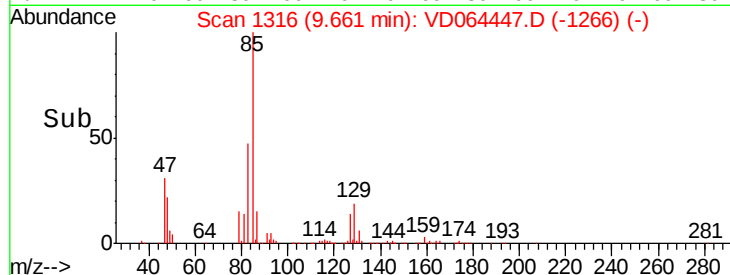
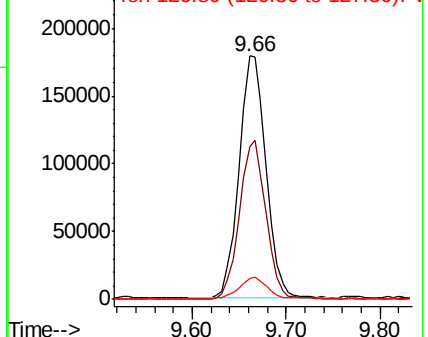
83 100

85 62.9 51.1 76.7

127 8.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 52.330 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

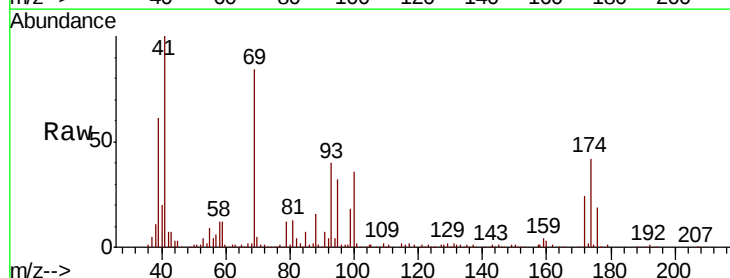
Tgt Ion: 41 Resp: 139912

Ion Ratio Lower Upper

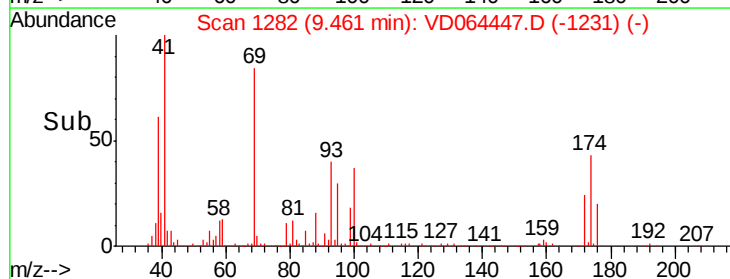
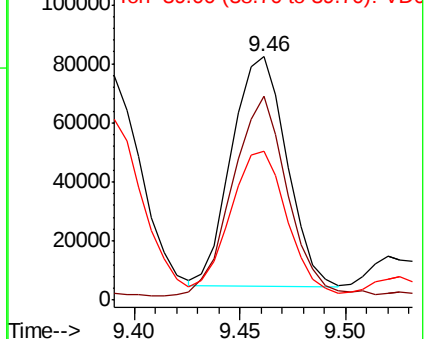
41 100

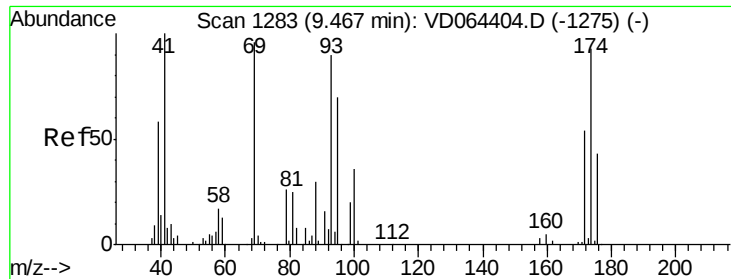
69 87.0 72.0 108.0

39 67.7 55.2 82.8



Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1009.770 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampleId :

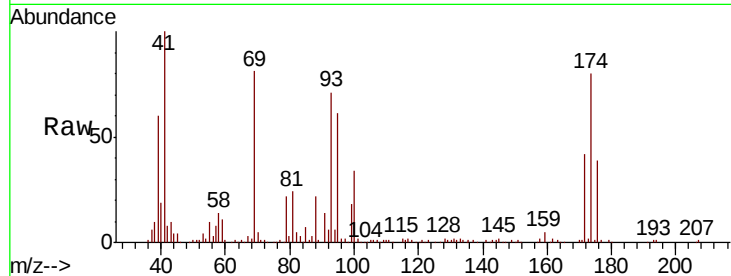
Tot Ion: 88 Resp: 32738

Ion Ratio Lower Upper

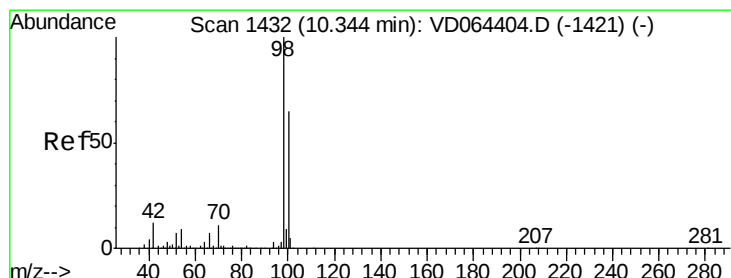
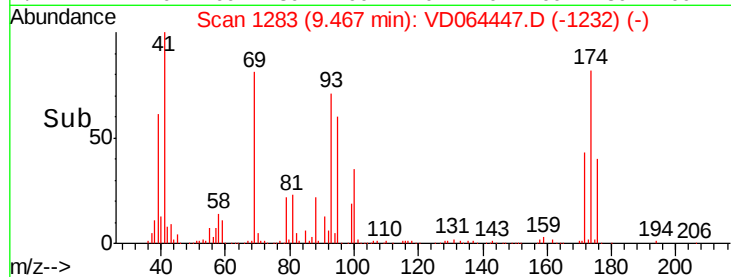
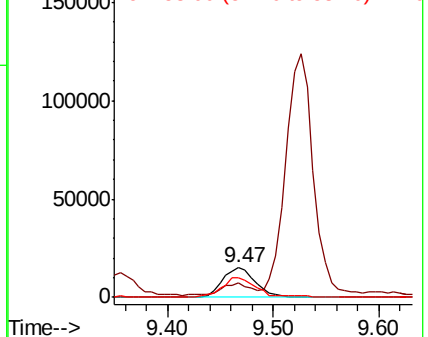
88 100

43 32.5 26.7 40.1

58 70.7 52.3 78.5



Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.175 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064447.D

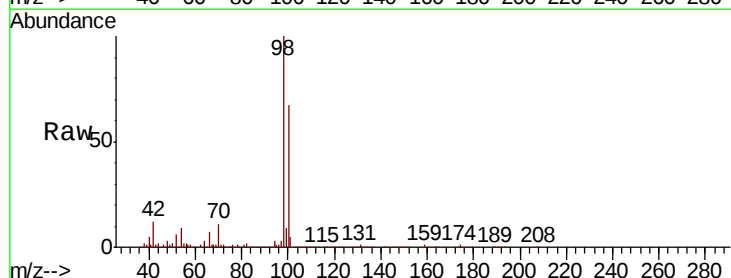
Acq: 05 Dec 2019 20:22

Tgt Ion: 98 Resp: 881695

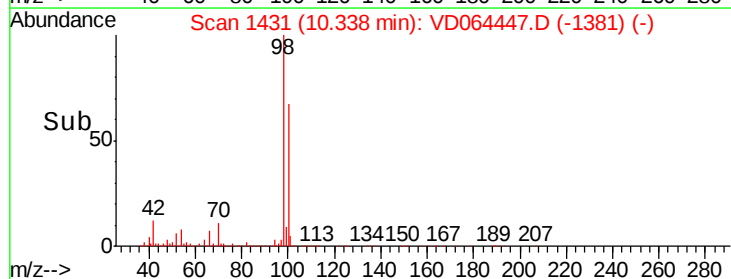
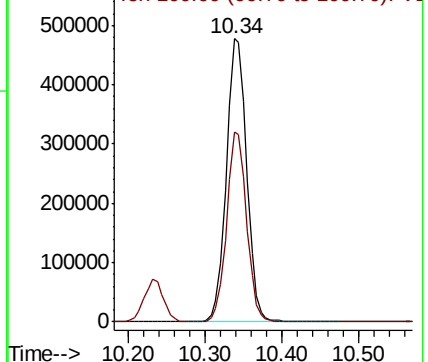
Ion Ratio Lower Upper

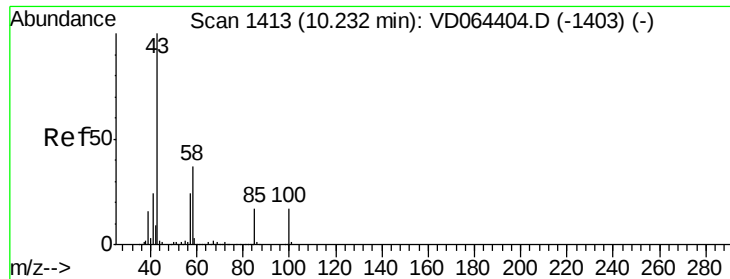
98 100

100 65.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 259.904 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

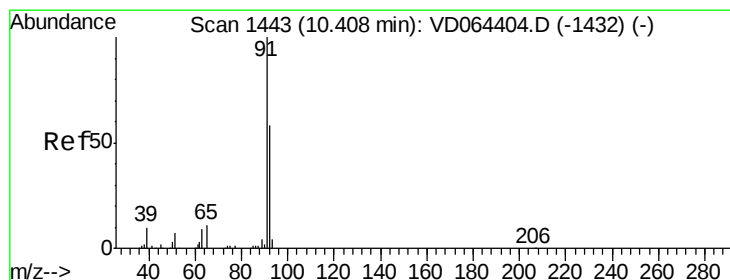
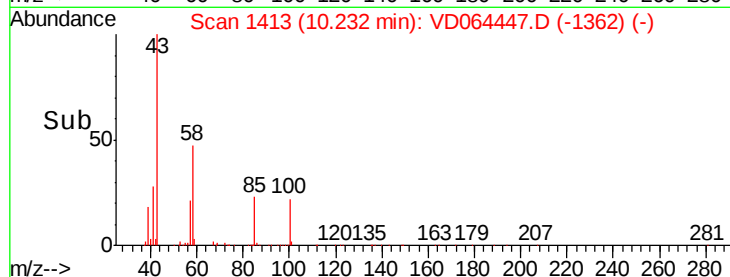
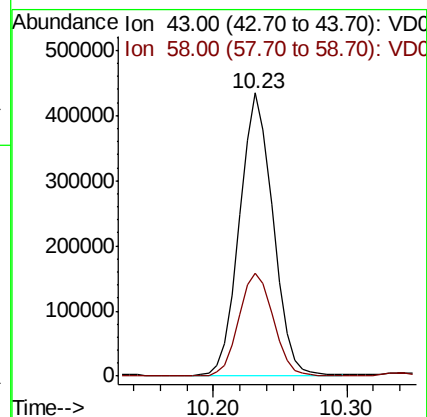
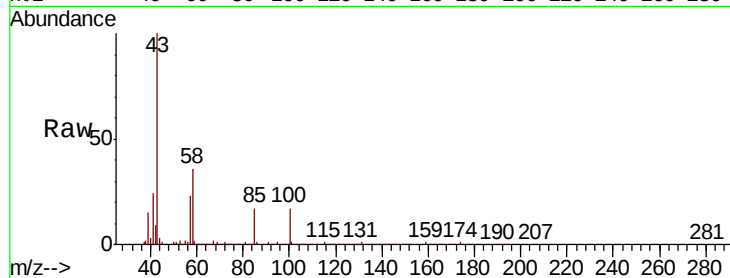
ClientSampleId :

Tot Ion: 43 Resp: 751375

Ion Ratio Lower Upper

43 100

58 37.8 30.6 46.0



#52

Toluene

Concen: 49.434 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064447.D

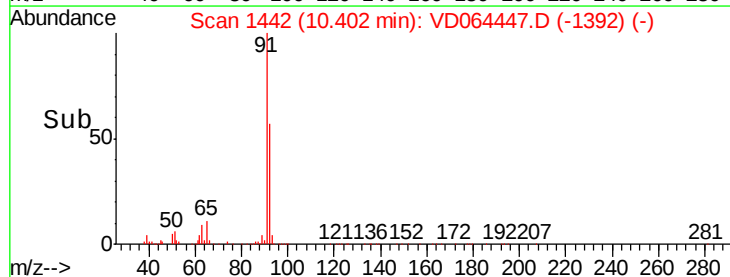
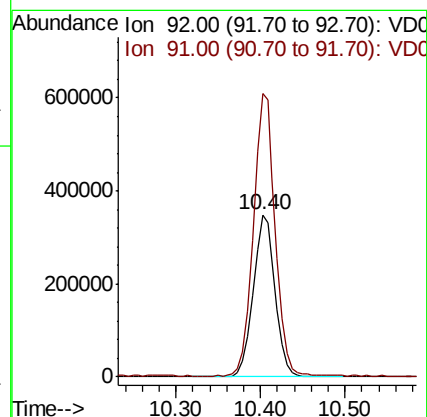
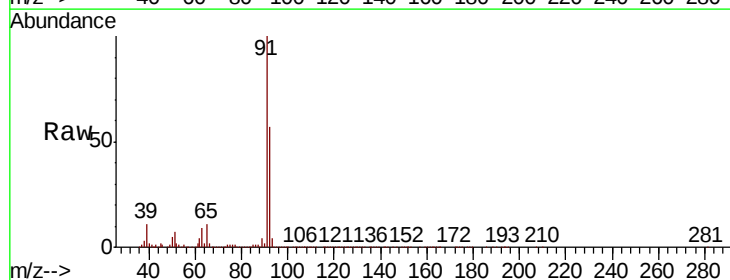
Acq: 05 Dec 2019 20:22

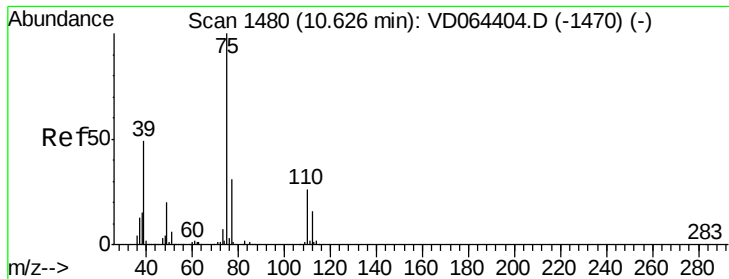
Tgt Ion: 92 Resp: 626649

Ion Ratio Lower Upper

92 100

91 173.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 53.527 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

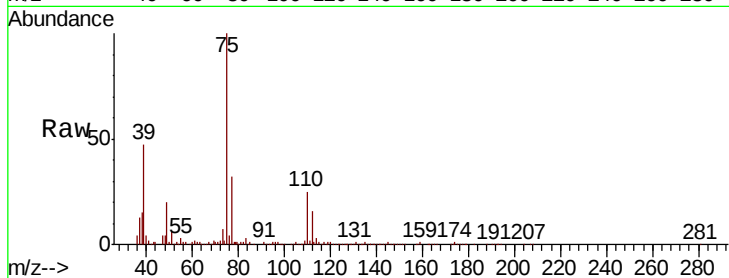
ClientSampled :

Tot Ion: 75 Resp: 344142

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

200000

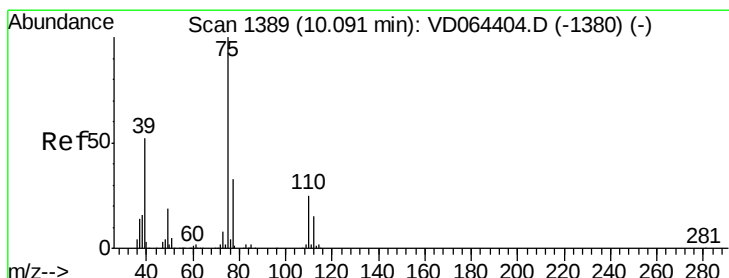
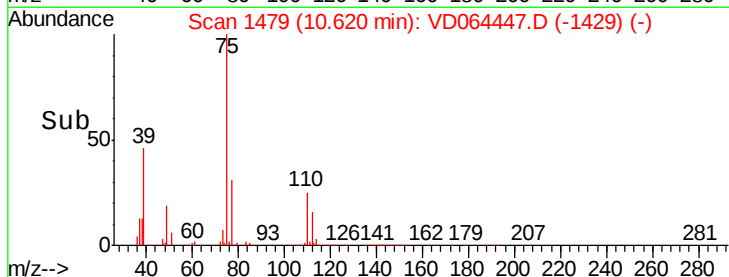
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 51.818 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

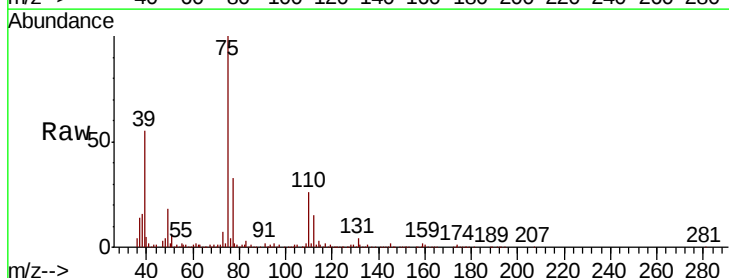
Tgt Ion: 75 Resp: 395776

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

39 53.9 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

300000

250000

200000

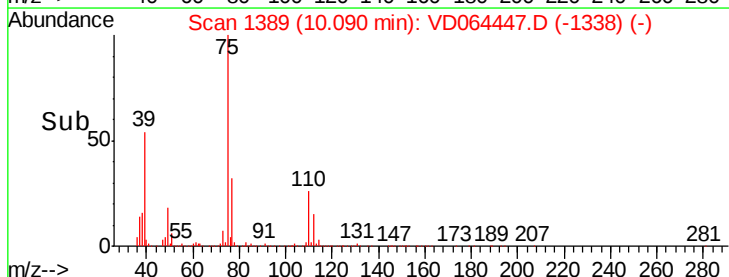
150000

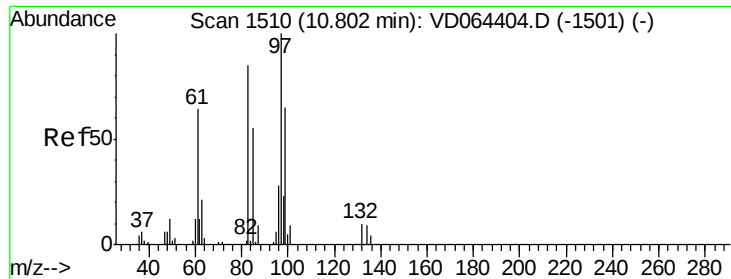
100000

50000

0

Time--> 10.00 10.10 10.20

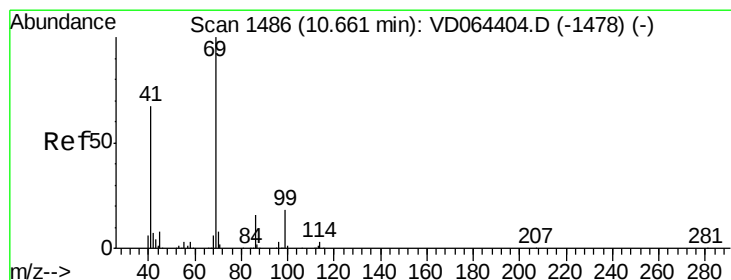
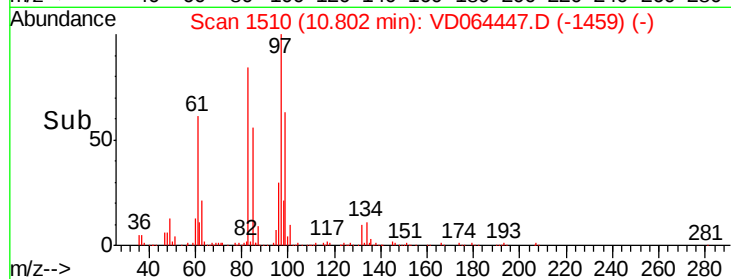
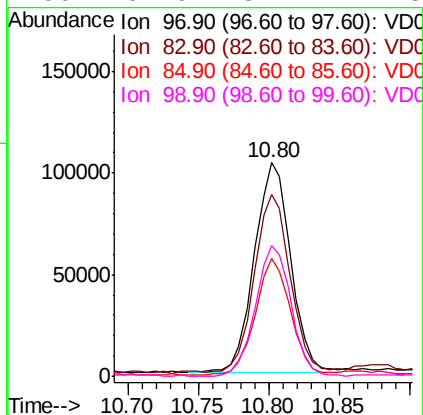
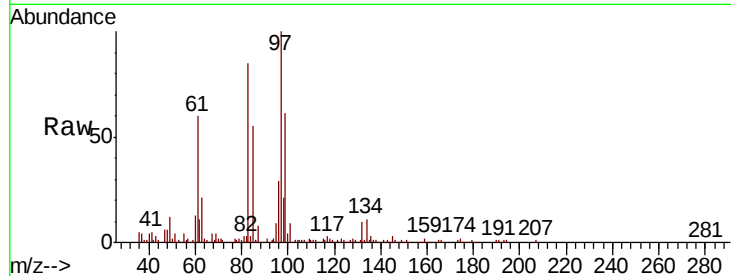




#55  
 1,1,2-Trichloroethane  
 Concen: 52.379 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

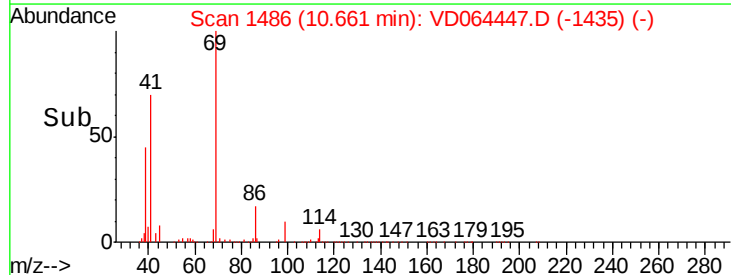
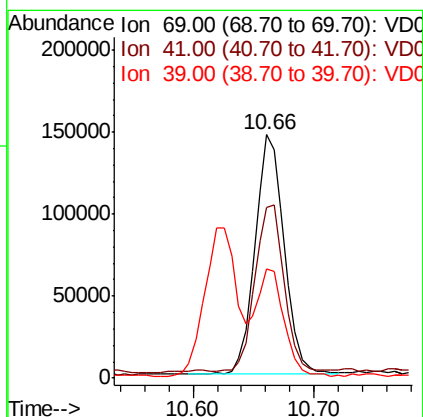
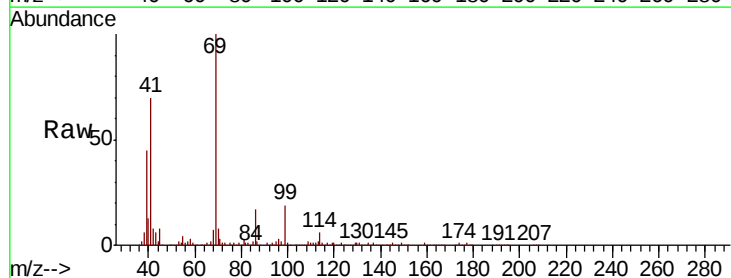
Instrument :  
 MSVOA\_D  
 ClientSampleId :

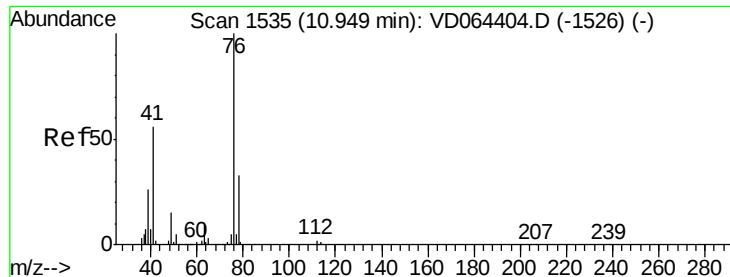
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 188307 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.0  | 67.8  | 101.8  |
| 85       | 55.4  | 43.7  | 65.5   |
| 99       | 61.9  | 51.7  | 77.5   |



#56  
 Ethyl methacrylate  
 Concen: 53.892 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 247111 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.5  | 55.0  | 82.4   |
| 39       | 43.0  | 33.0  | 49.6   |





#57

1,3-Dichloropropane

Concen: 52.870 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

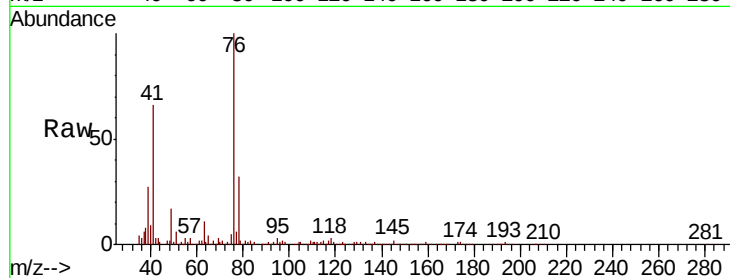
ClientSampleId :

Tot Ion: 76 Resp: 32352

Ion Ratio Lower Upper

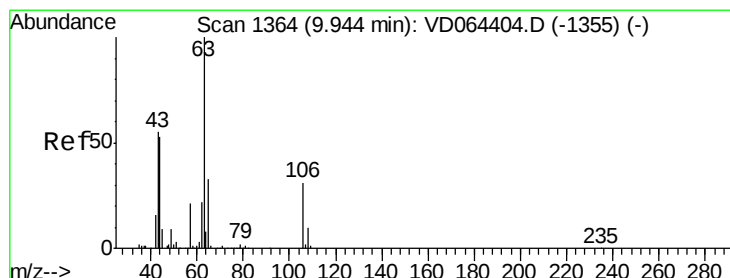
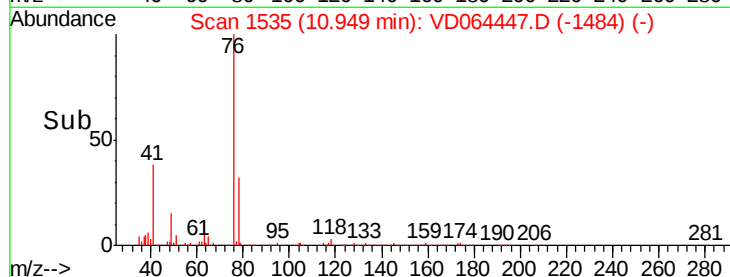
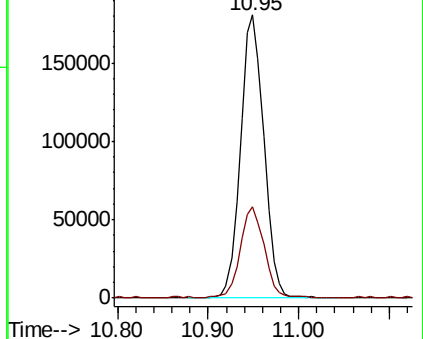
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 252.720 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064447.D

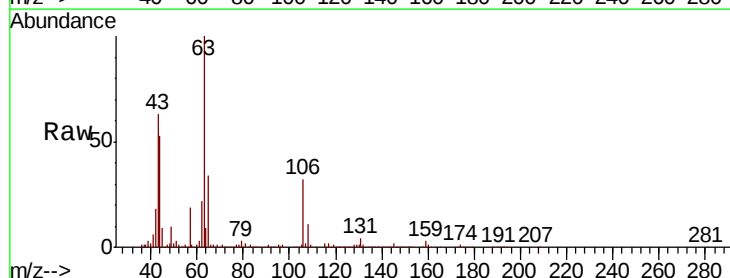
Acq: 05 Dec 2019 20:22

Tgt Ion: 63 Resp: 461942

Ion Ratio Lower Upper

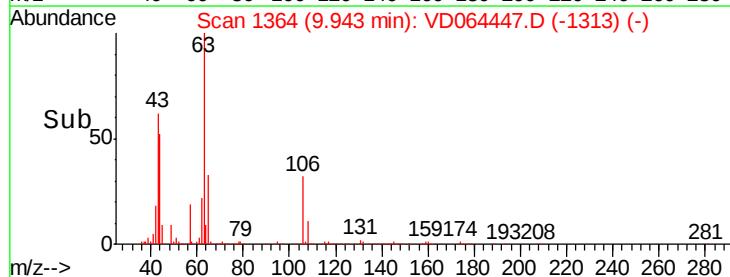
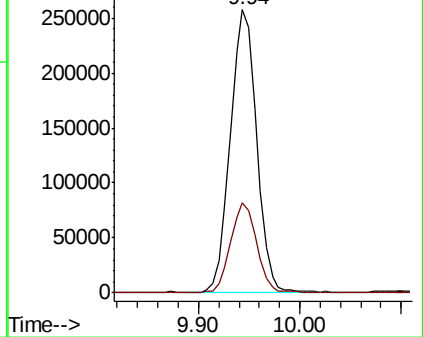
63 100

106 31.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

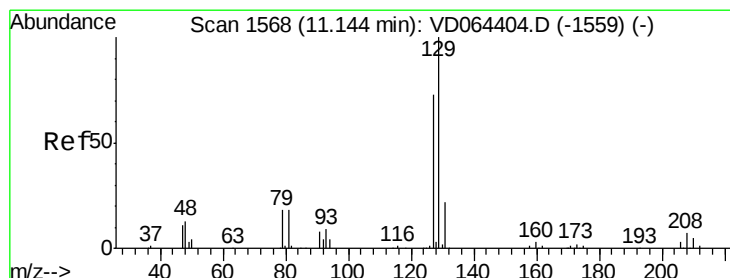
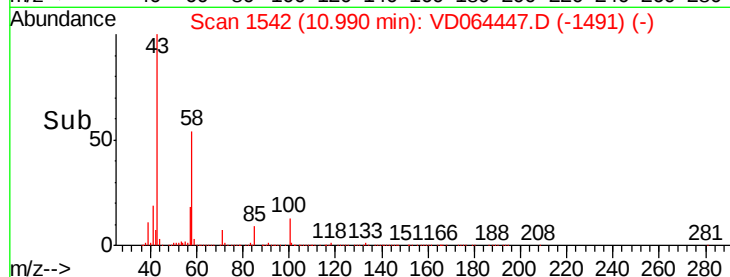
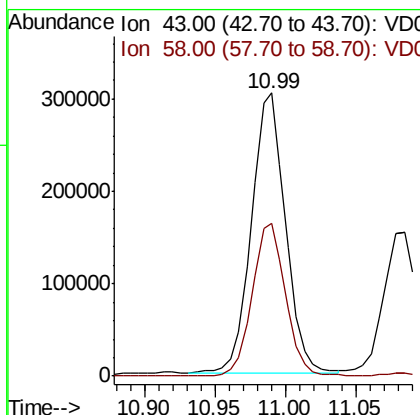
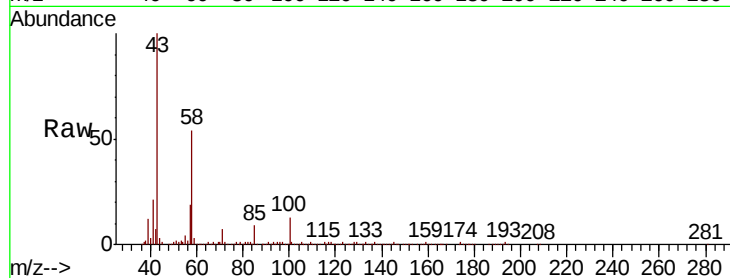




#59  
2-Hexanone  
Concen: 256.703 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

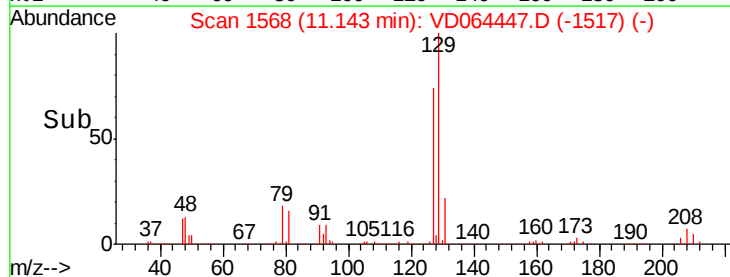
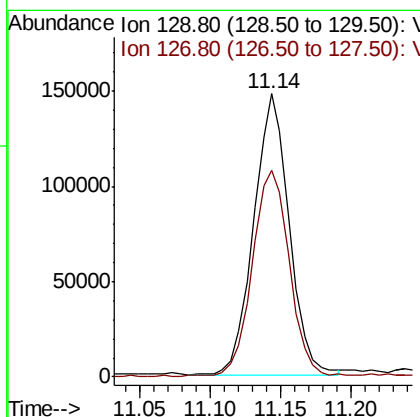
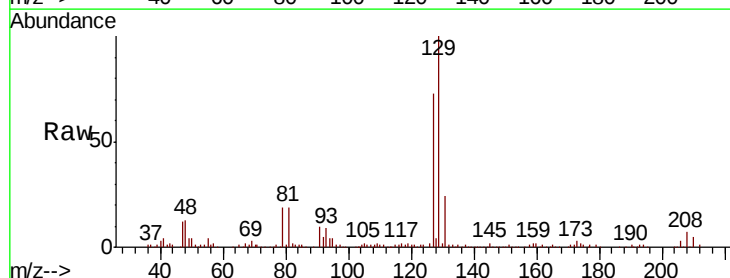
Instrument :  
MSVOA\_D  
ClientSampled :

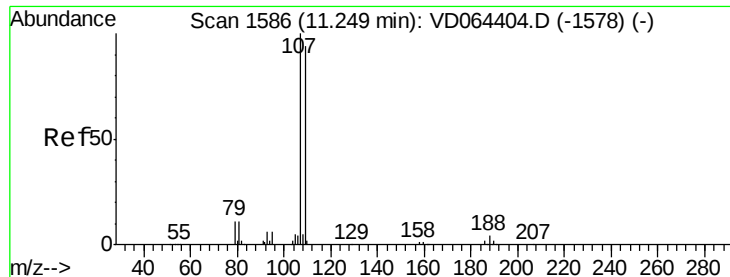
Tot Ion: 43 Resp: 514950  
Ion Ratio Lower Upper  
43 100  
58 53.5 26.3 78.8



#60  
Dibromochloromethane  
Concen: 53.294 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 129 Resp: 259773  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.1 114.3

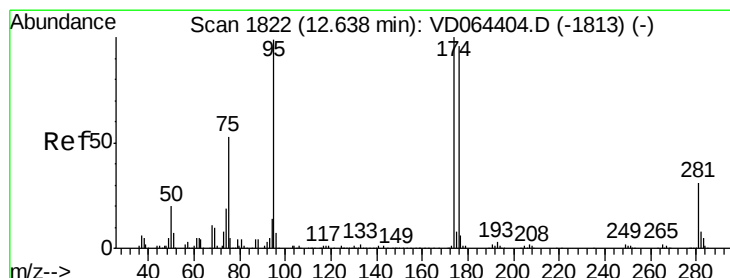
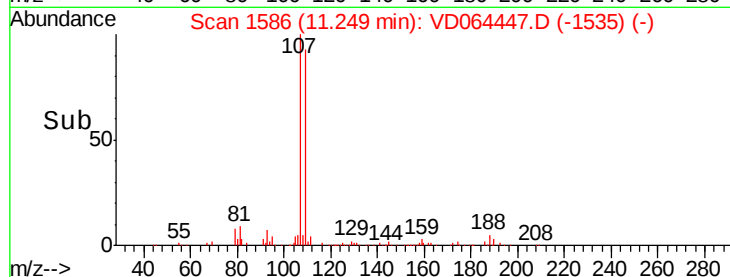
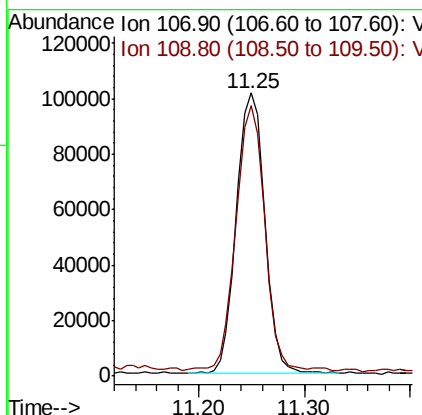
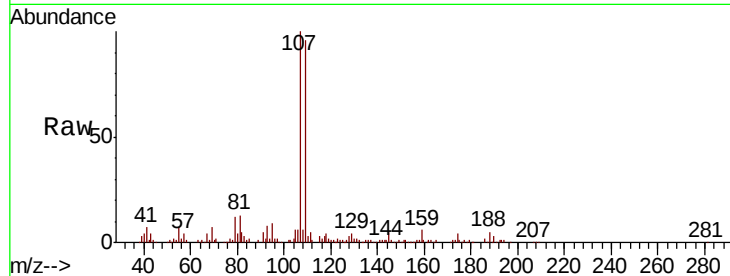




#61  
 1,2-Dibromoethane  
 Concen: 52.524 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

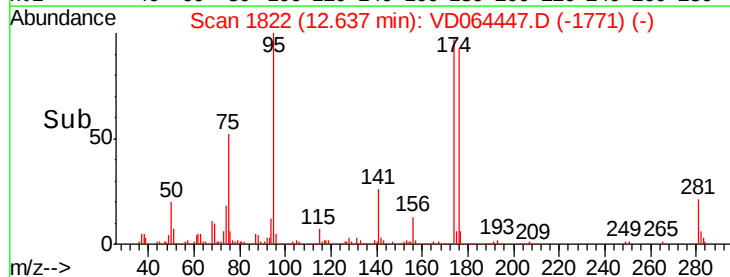
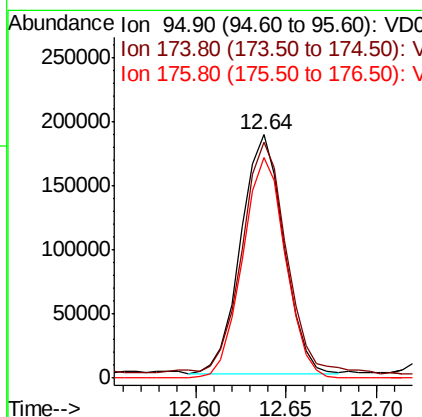
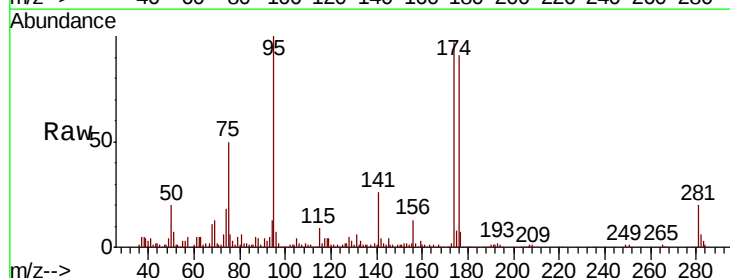
Instrument :  
 MSVOA\_D  
 ClientSampleId :

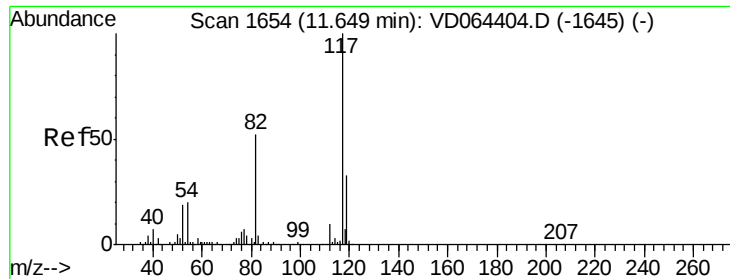
Tot Ion: 107 Resp: 188535  
 Ion Ratio Lower Upper  
 107 100  
 109 94.6 76.2 114.2



#62  
 4-Bromofluorobenzene  
 Concen: 54.349 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Tgt Ion: 95 Resp: 306923  
 Ion Ratio Lower Upper  
 95 100  
 174 104.8 0.0 197.2  
 176 92.7 0.0 189.6

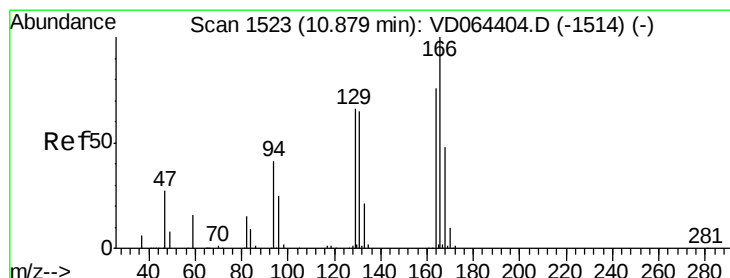
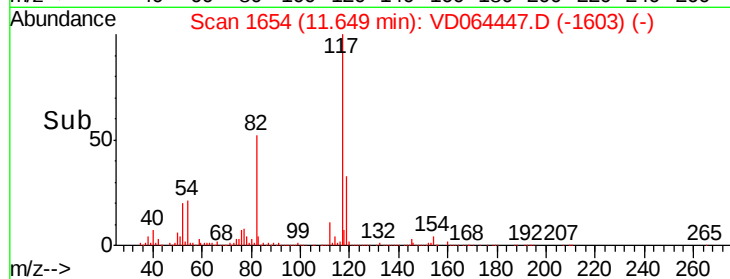
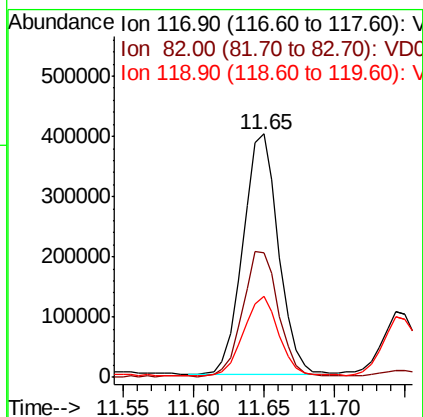
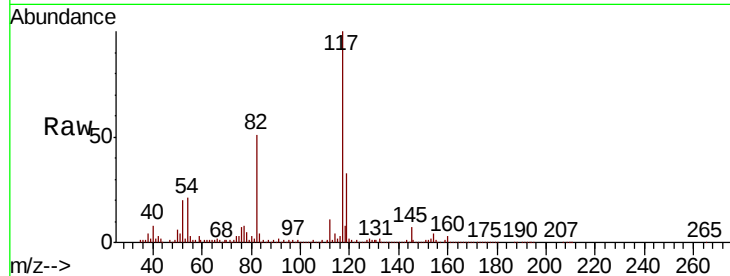




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

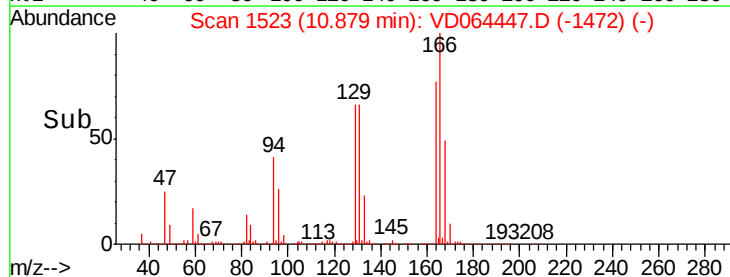
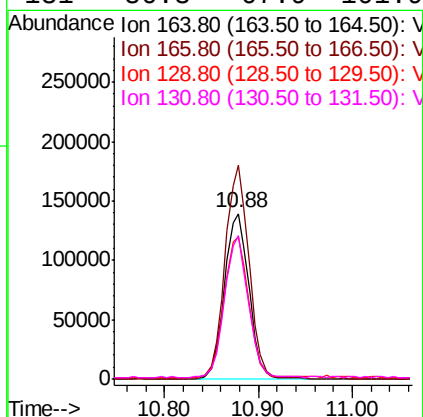
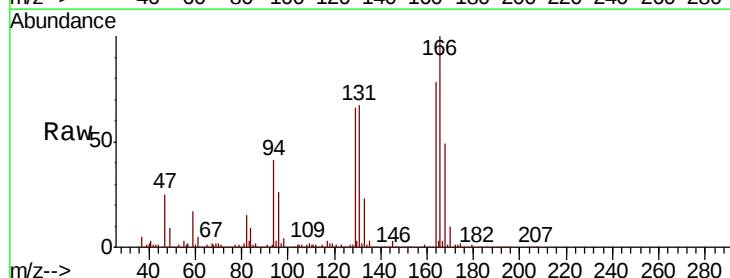
Instrument :  
MSVOA\_D  
ClientSampled :

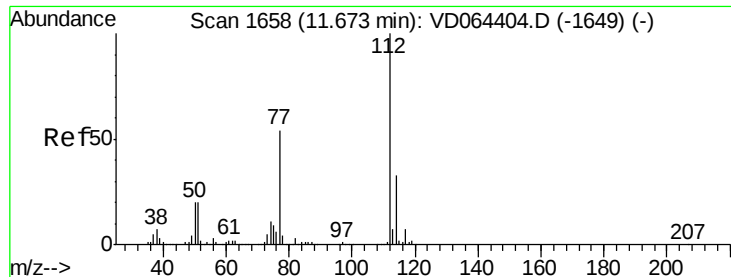
Tot Ion:117 Resp: 705498  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.4 62.2  
119 32.9 26.2 39.2



#64  
Tetrachloroethene  
Concen: 46.542 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion:164 Resp: 250394  
Ion Ratio Lower Upper  
164 100  
166 129.1 104.8 157.2  
129 84.6 68.7 103.1  
131 86.3 67.9 101.9

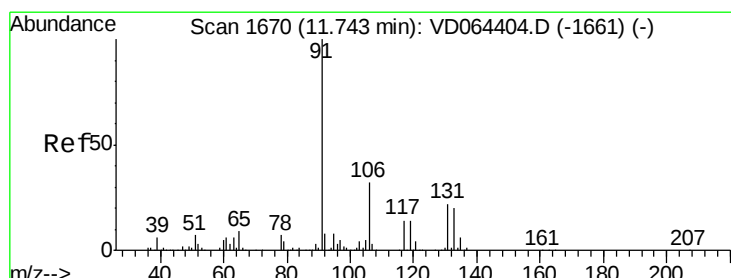
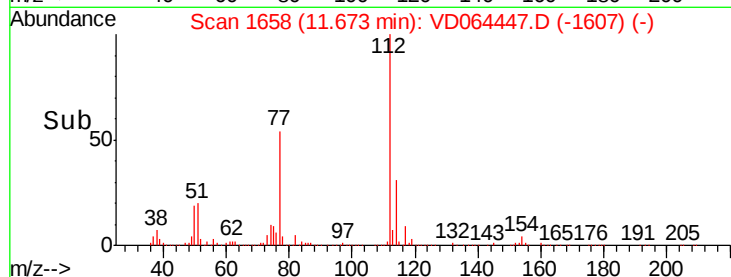
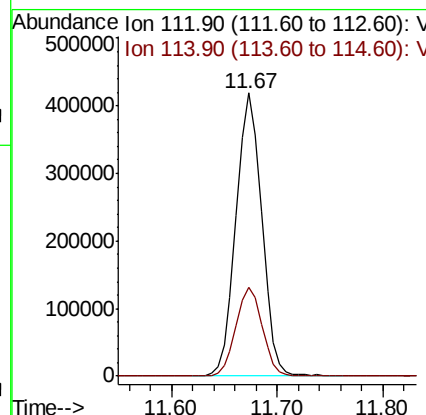
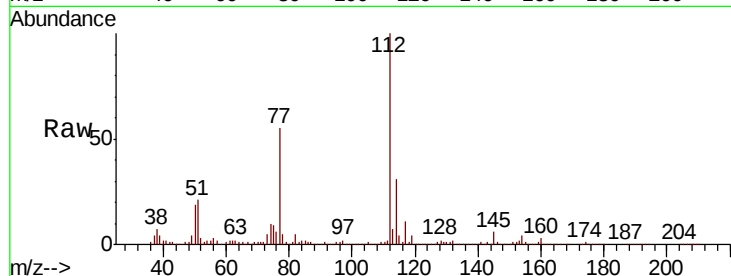




#65  
Chlorobenzene  
Concen: 47.854 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

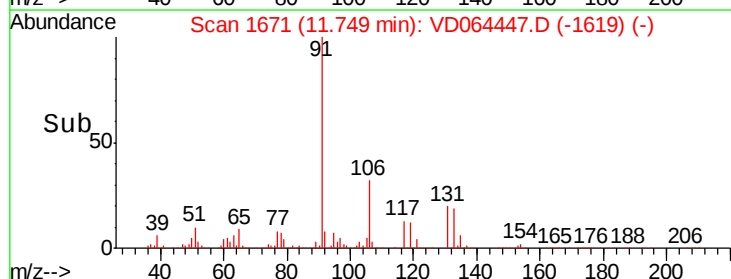
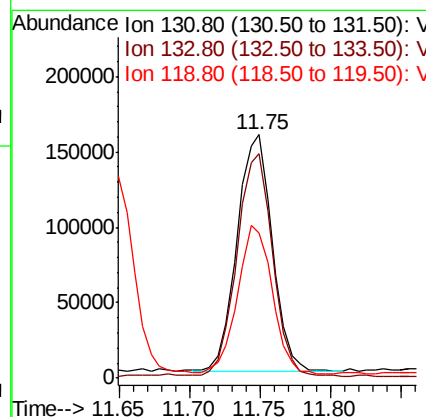
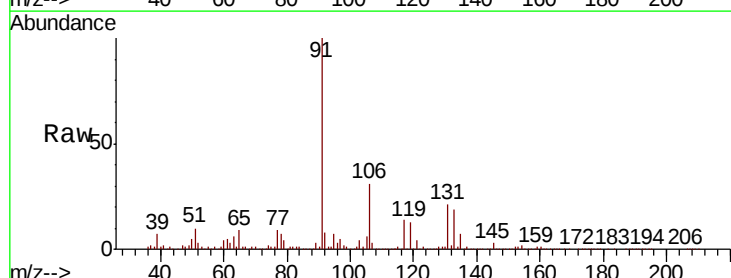
Instrument :  
MSVOA\_D  
ClientSampled :

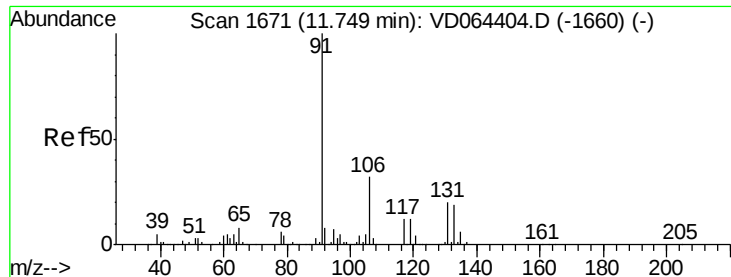
Tot Ion:112 Resp: 704141  
Ion Ratio Lower Upper  
112 100  
114 31.4 26.5 39.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.411 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion:131 Resp: 274591  
Ion Ratio Lower Upper  
131 100  
133 94.8 48.3 144.9  
119 61.8 31.9 95.9





#67

Ethyl Benzene

Concen: 47.576 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

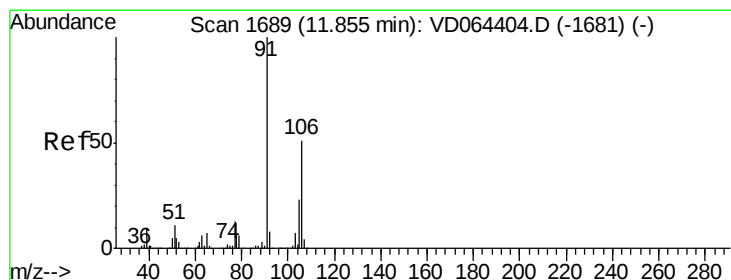
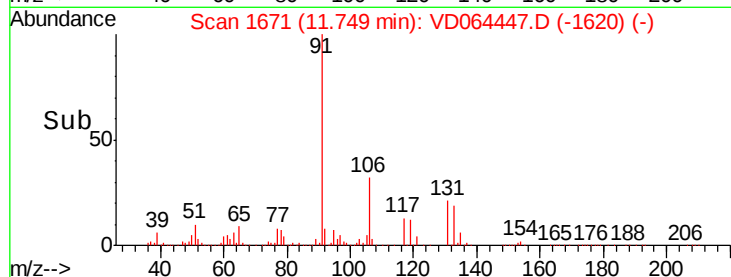
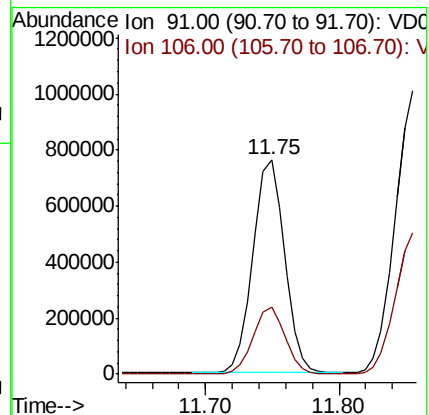
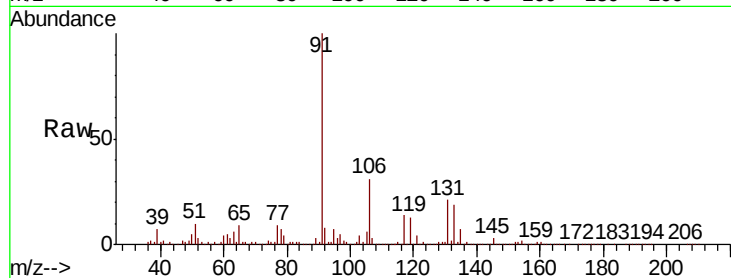
ClientSampled :

Tot Ion: 91 Resp: 1245559

Ion Ratio Lower Upper

91 100

106 31.6 25.8 38.8



#68

m/p-Xylenes

Concen: 97.232 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064447.D

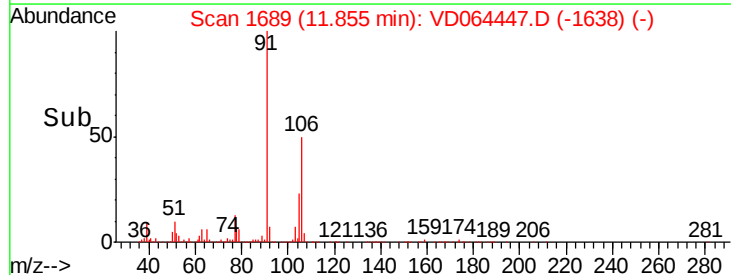
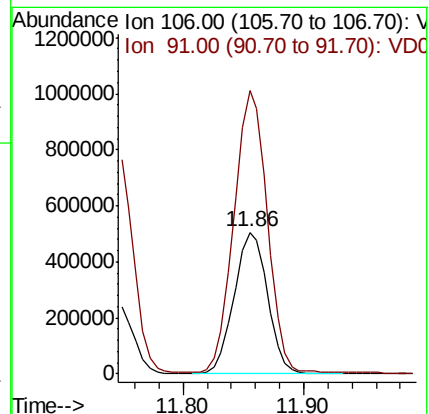
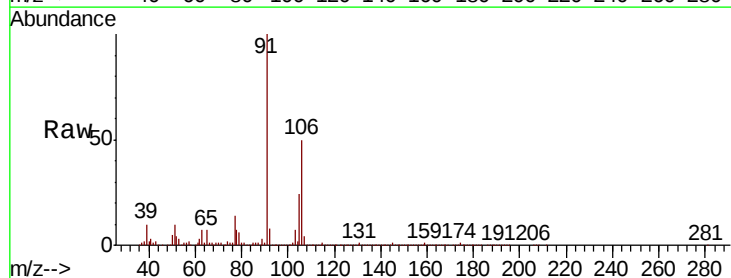
Acq: 05 Dec 2019 20:22

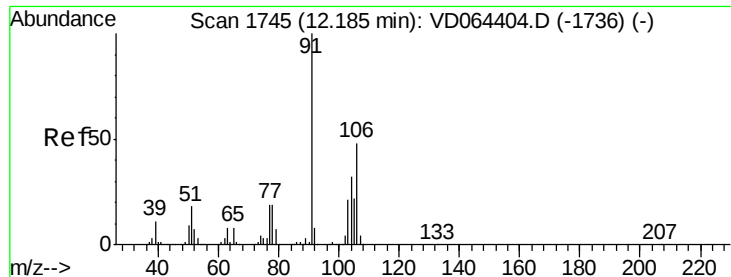
Tgt Ion: 106 Resp: 970598

Ion Ratio Lower Upper

106 100

91 198.3 157.4 236.2

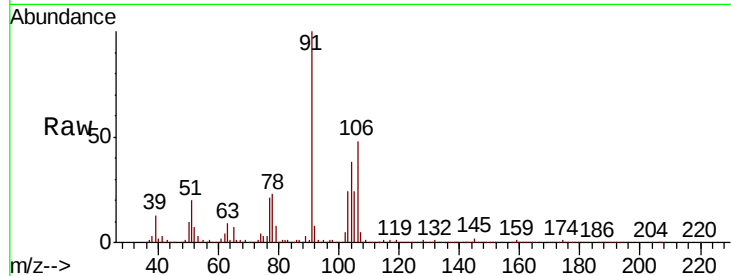




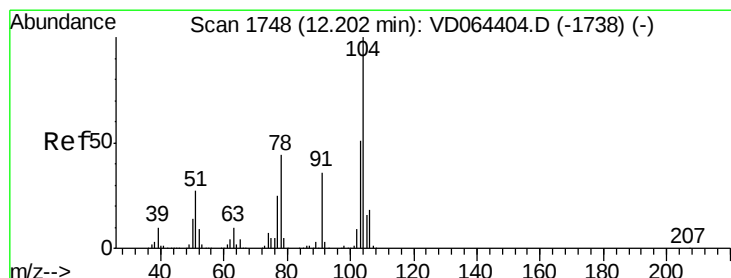
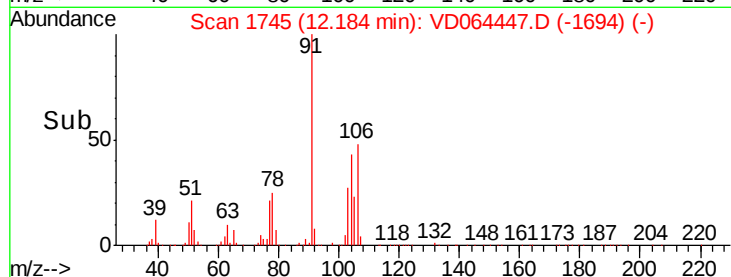
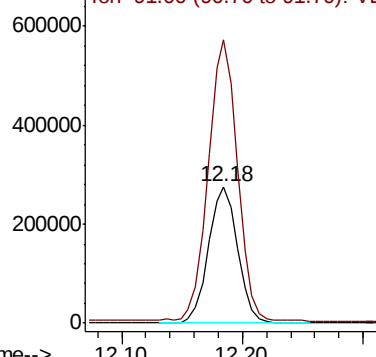
#69  
o-Xylene  
Concen: 50.201 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:106 Resp: 462815  
Ion Ratio Lower Upper  
106 100  
91 208.3 103.8 311.4

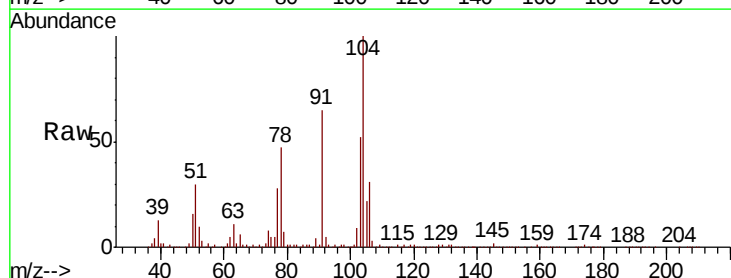


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

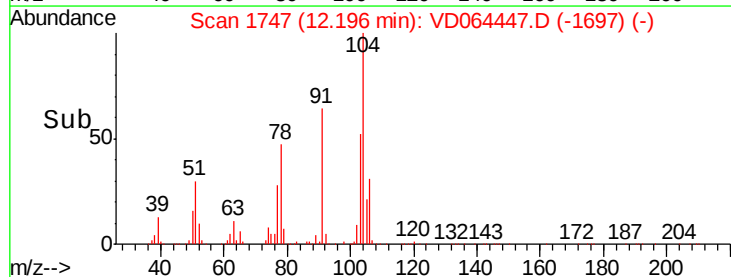
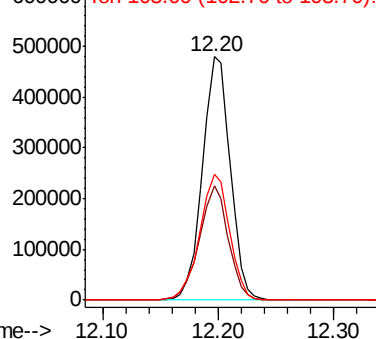


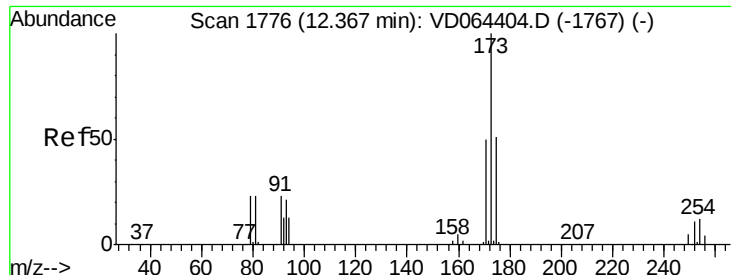
#70  
Styrene  
Concen: 49.690 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion:104 Resp: 796071  
Ion Ratio Lower Upper  
104 100  
78 49.0 38.8 58.2  
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V

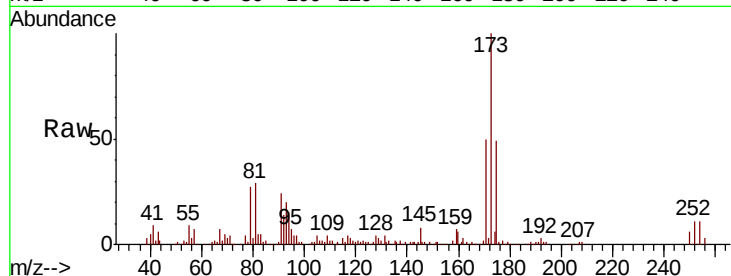




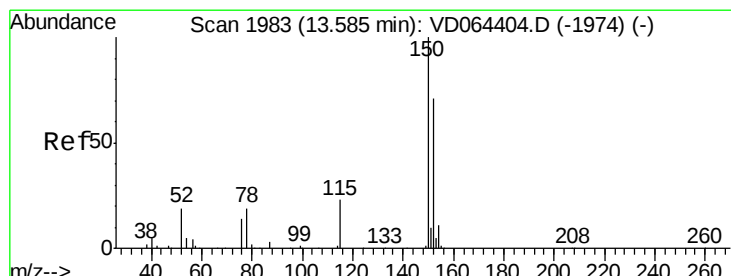
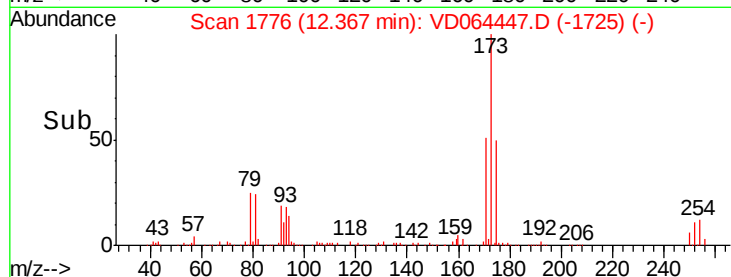
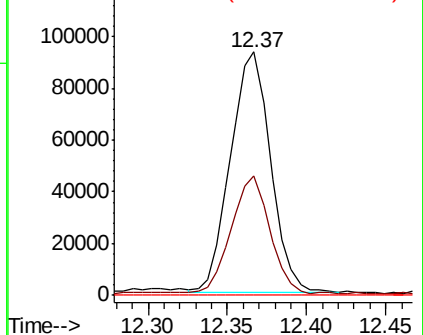
#71  
Bromoform  
Concen: 49.904 ug/l  
RT: 12.37 min Scan# 1776  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:173 Resp: 162633  
Ion Ratio Lower Upper  
173 100  
175 47.7 25.3 75.8  
254 0.2 0.0 0.0#

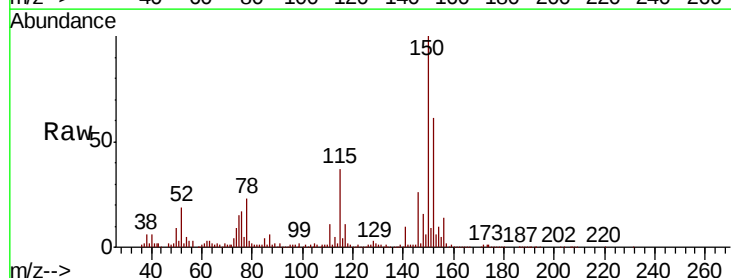


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

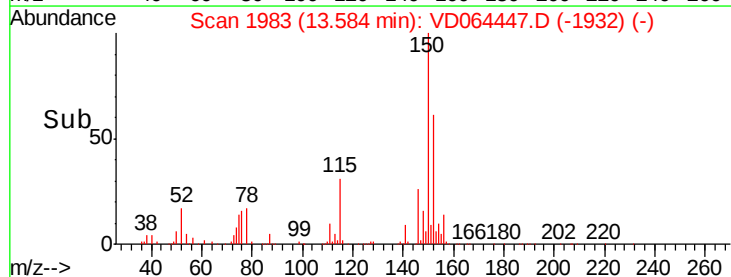
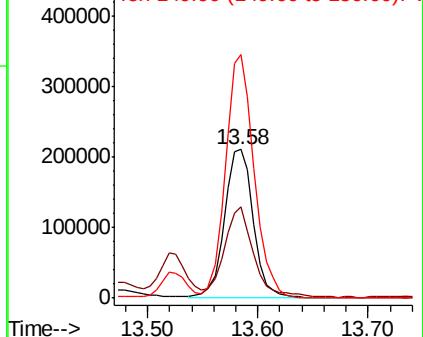


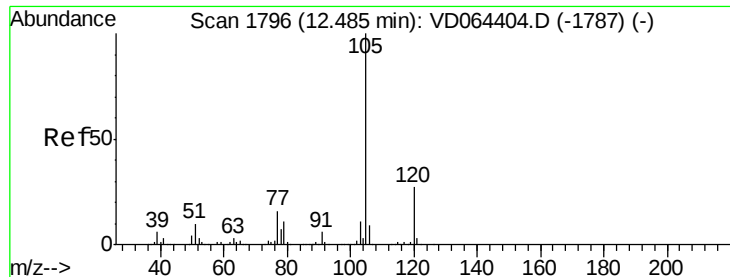
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion:152 Resp: 382377  
Ion Ratio Lower Upper  
152 100  
115 62.1 26.7 80.1  
150 161.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.412 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

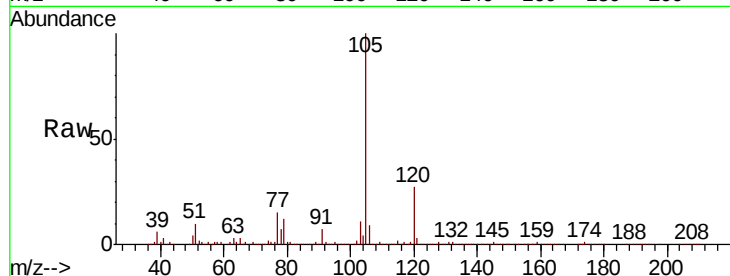
ClientSampleId :

Tot Ion:105 Resp: 1193873

Ion Ratio Lower Upper

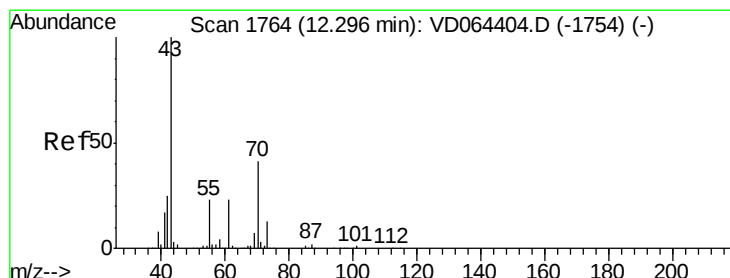
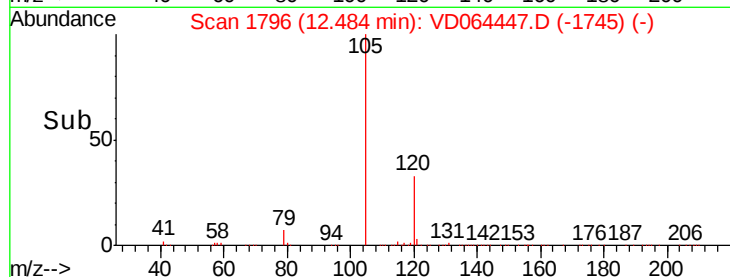
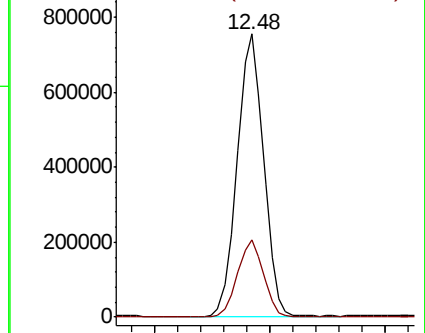
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.173 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 294442

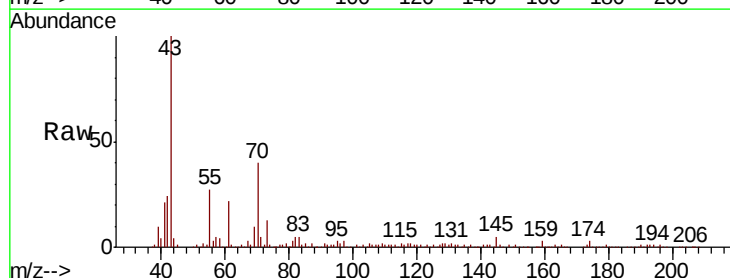
Ion Ratio Lower Upper

43 100

70 39.5 33.4 50.2

55 31.0 18.9 28.3#

61 23.4 18.5 27.7

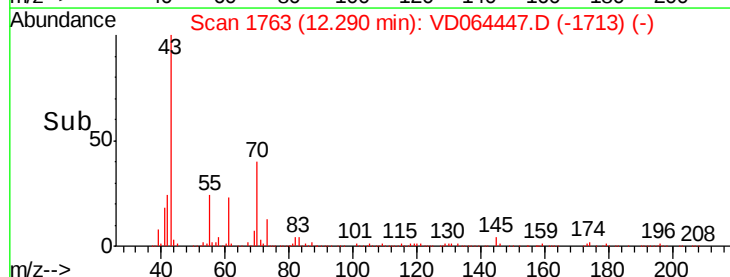
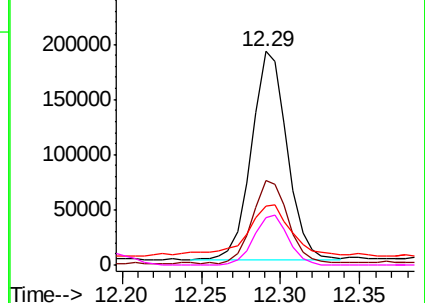


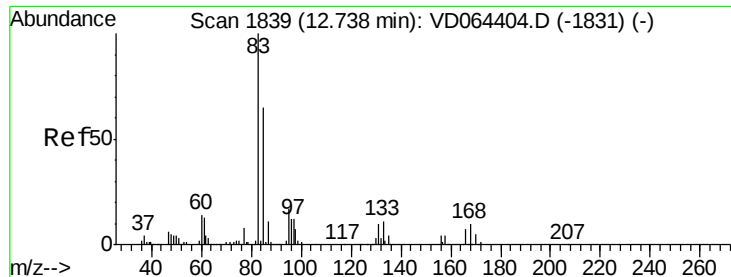
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.549 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

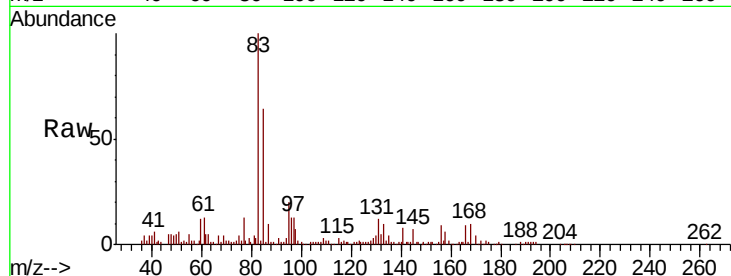
Tot Ion: 83 Resp: 207149

Ion Ratio Lower Upper

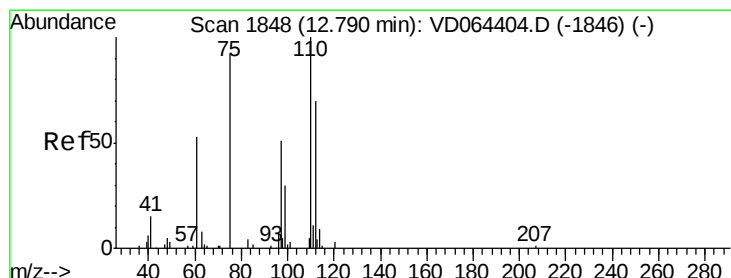
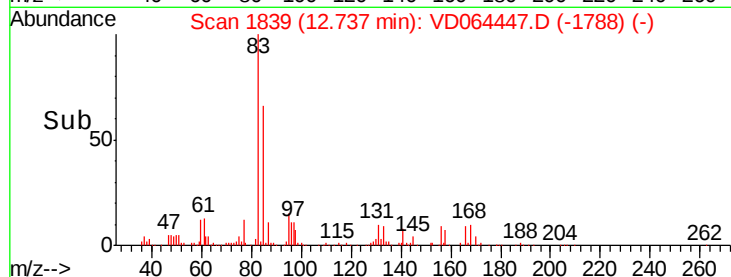
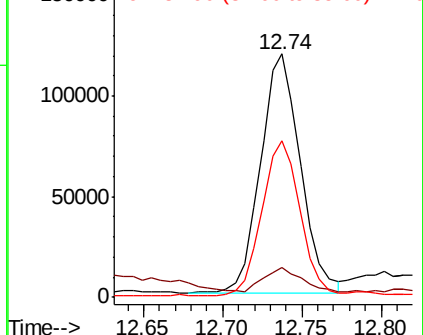
83 100

131 9.2 5.7 17.0

85 62.5 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 130.80 (130.50 to 131.50): VDC  
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 83.227 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064447.D

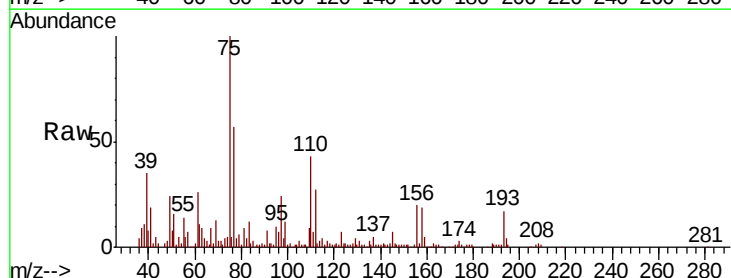
Acq: 05 Dec 2019 20:22

Tgt Ion: 75 Resp: 261712

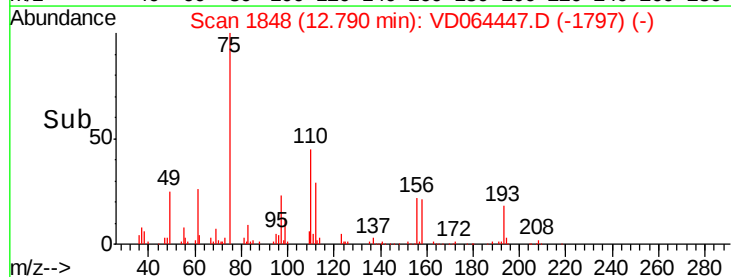
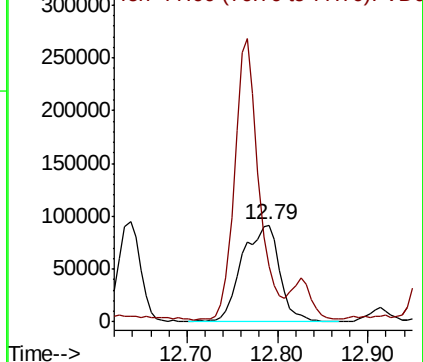
Ion Ratio Lower Upper

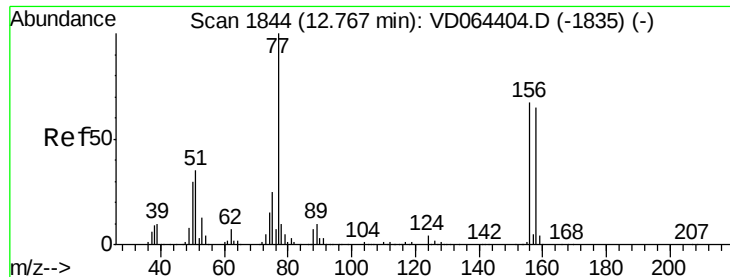
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.615 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

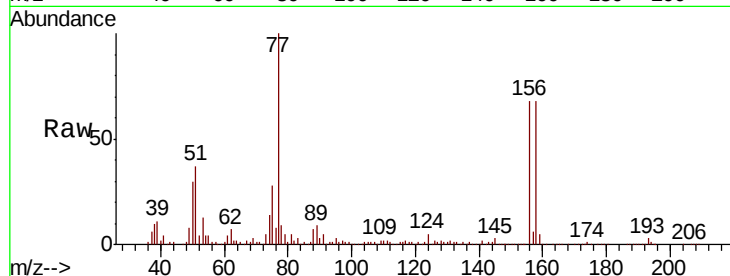
Tot Ion:156 Resp: 323367

Ion Ratio Lower Upper

156 100

77 153.8 80.0 240.2

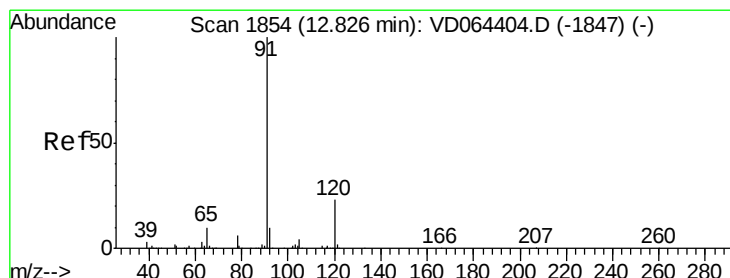
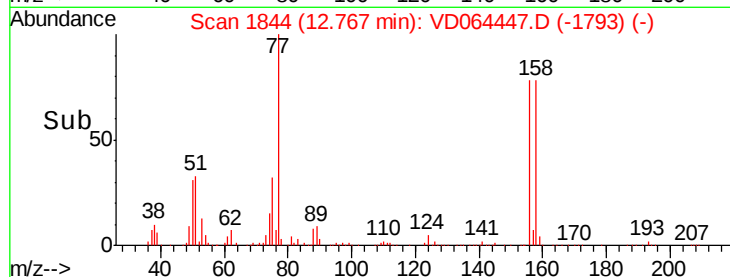
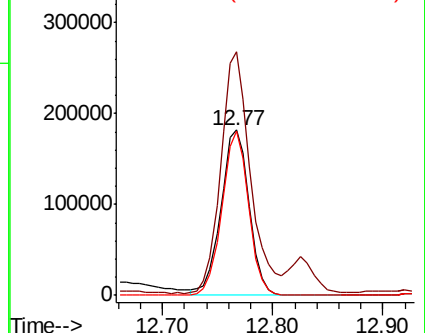
158 93.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.581 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064447.D

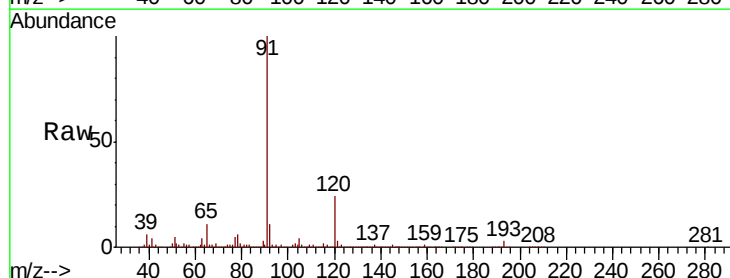
Acq: 05 Dec 2019 20:22

Tgt Ion: 91 Resp: 1382874

Ion Ratio Lower Upper

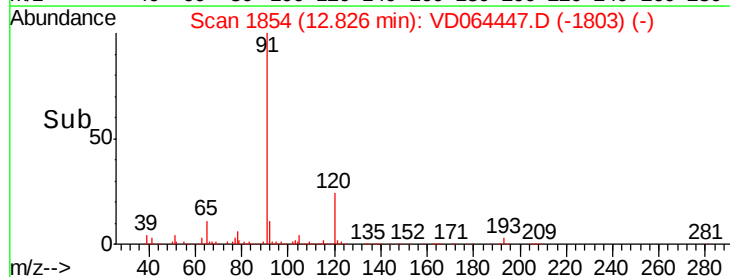
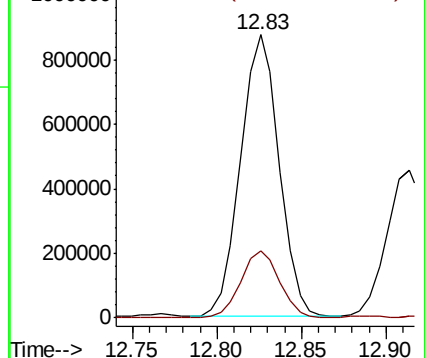
91 100

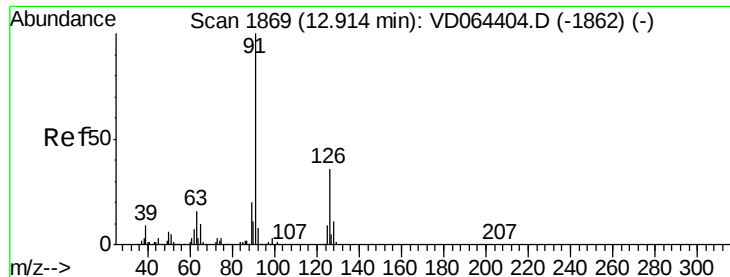
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

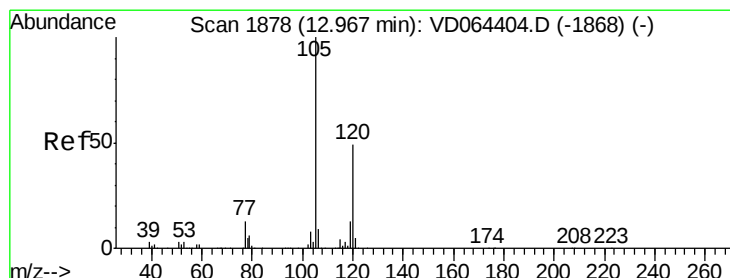
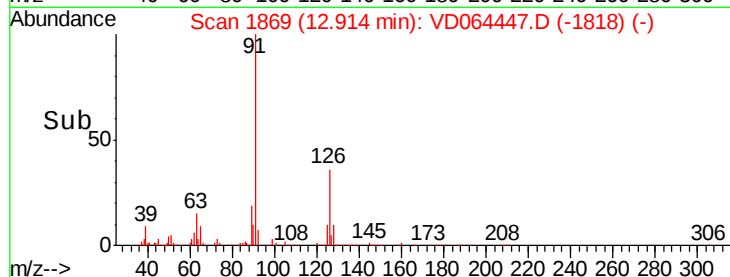
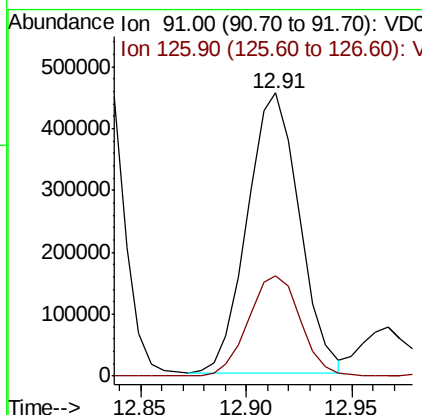
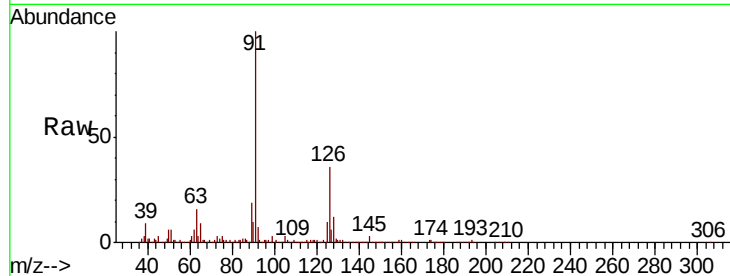




#79  
 2-Chlorotoluene  
 Concen: 44.458 ug/l  
 RT: 12.91 min Scan# 1869  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

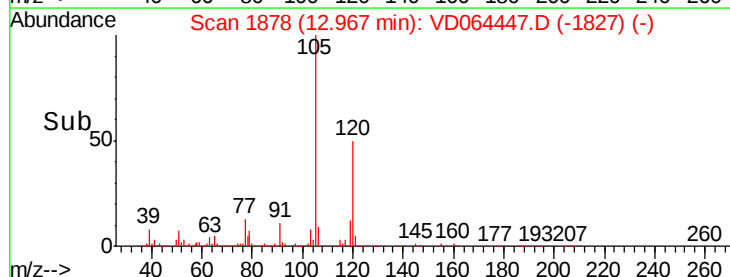
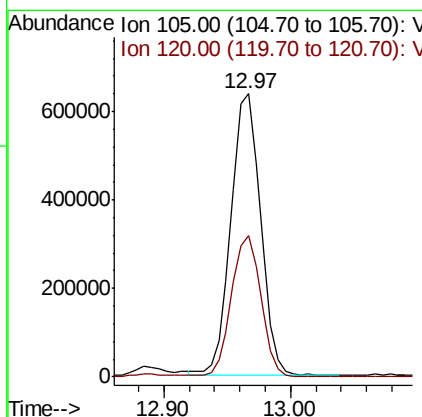
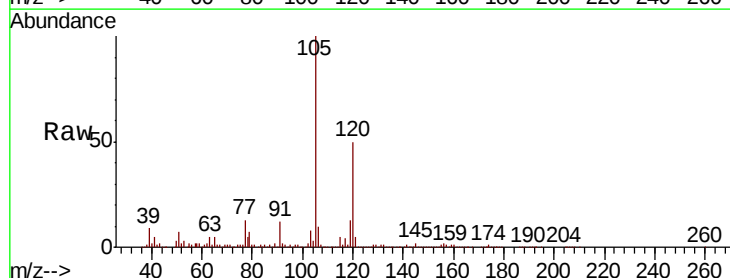
Instrument :  
 MSVOA\_D  
 ClientSampleId :

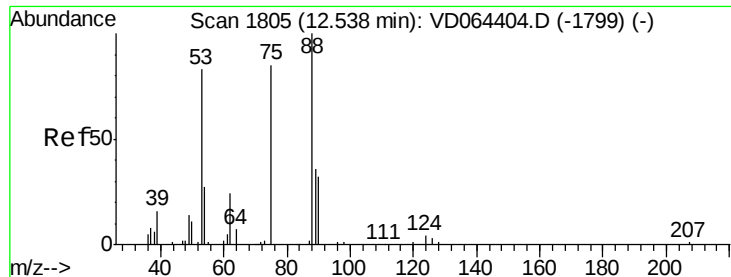
Tot Ion: 91 Resp: 776223  
 Ion Ratio Lower Upper  
 91 100  
 126 35.9 18.0 54.0



#80  
 1,3,5-Trimethylbenzene  
 Concen: 45.852 ug/l  
 RT: 12.97 min Scan# 1878  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Tgt Ion: 105 Resp: 1030458  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 43.931 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampled :

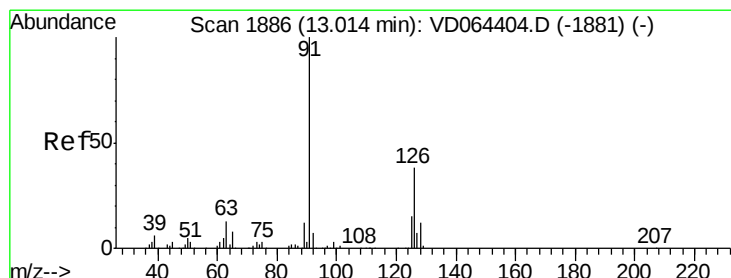
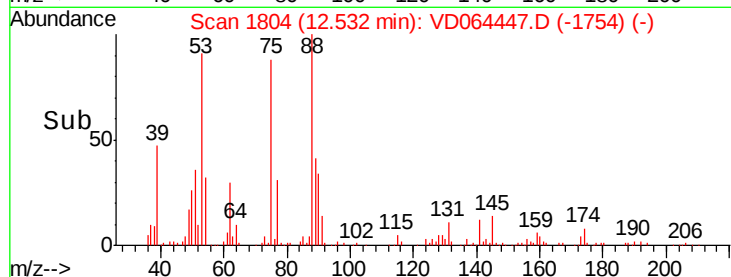
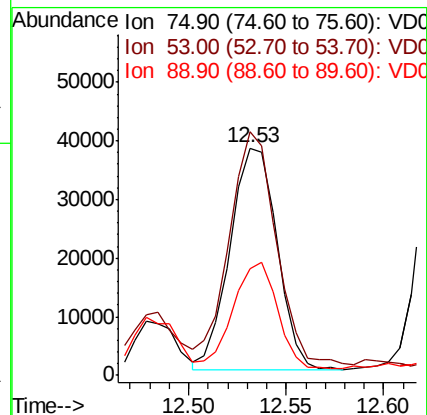
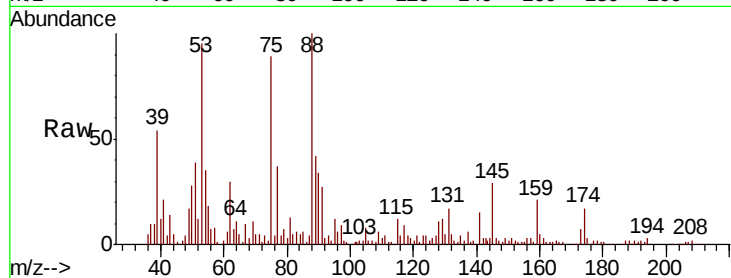
Tot Ion: 75 Resp: 63353

Ion Ratio Lower Upper

75 100

53 104.0 81.0 121.6

89 46.1 38.5 57.7



#82

4-Chlorotoluene

Concen: 44.117 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064447.D

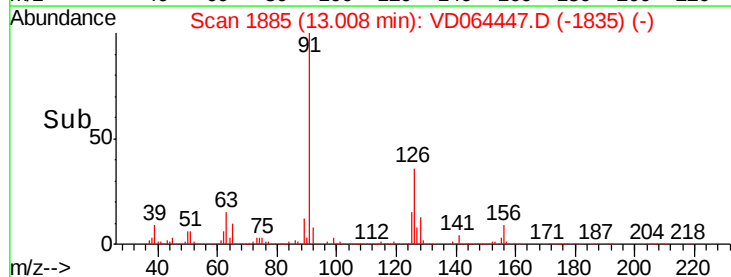
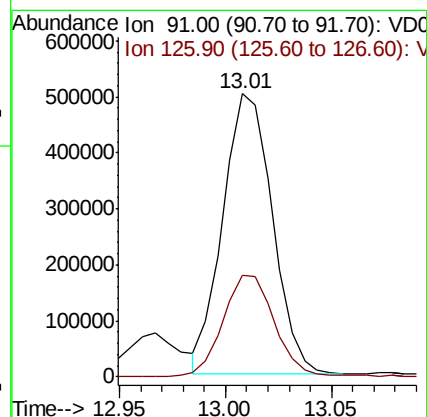
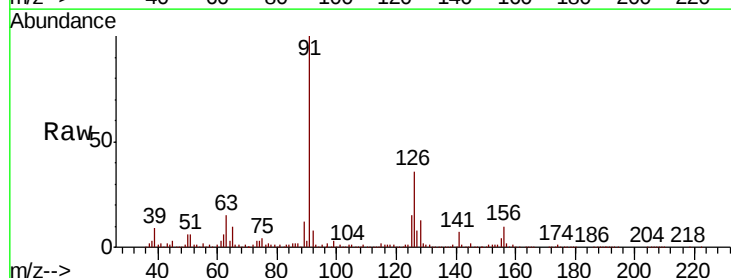
Acq: 05 Dec 2019 20:22

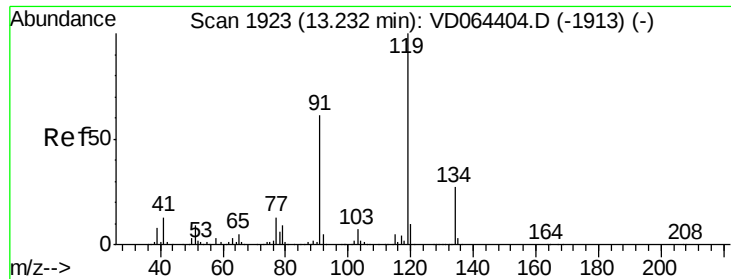
Tgt Ion: 91 Resp: 815546

Ion Ratio Lower Upper

91 100

126 37.3 18.2 54.6

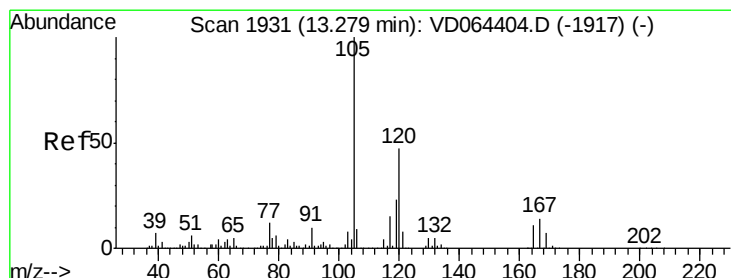
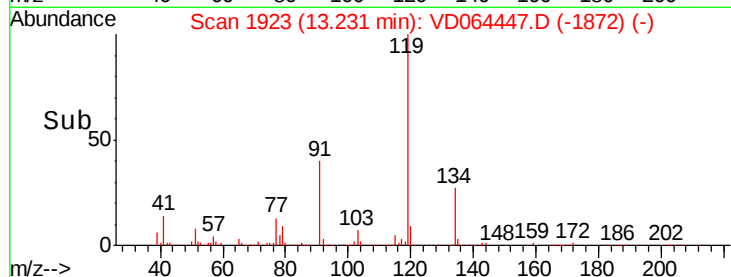
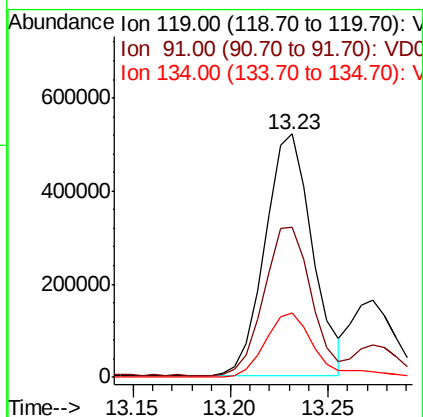
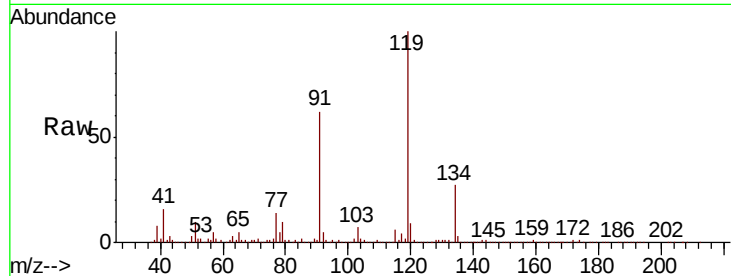




#83  
tert-Butylbenzene  
Concen: 44.586 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

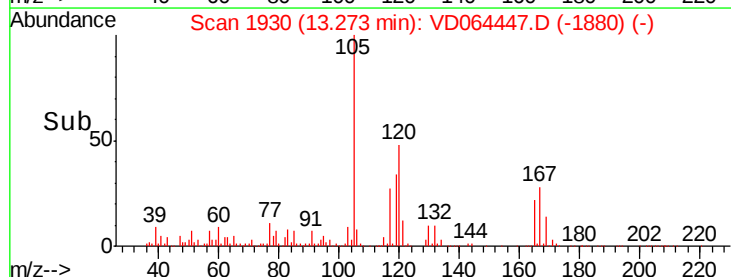
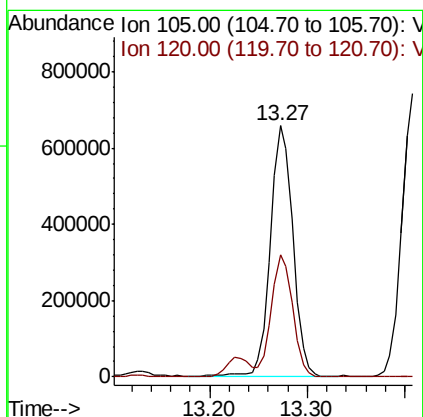
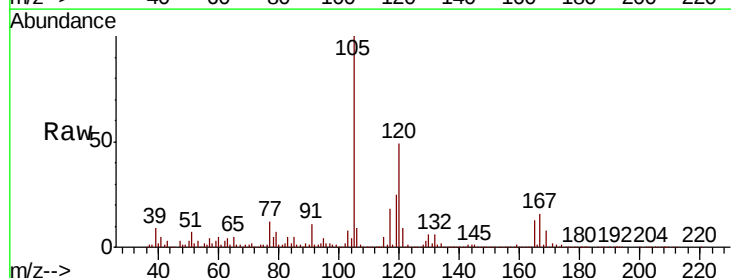
Instrument :  
MSVOA\_D  
ClientSampleId :

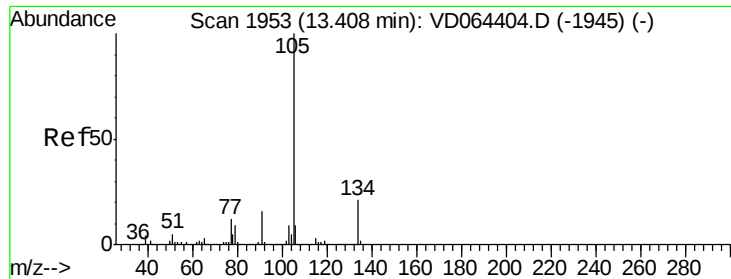
Tot Ion:119 Resp: 871130  
Ion Ratio Lower Upper  
119 100  
91 61.2 31.2 93.6  
134 28.1 13.9 41.7



#84  
1,2,4-Trimethylbenzene  
Concen: 46.782 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. -0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion:105 Resp: 1057180  
Ion Ratio Lower Upper  
105 100  
120 46.6 23.6 70.8

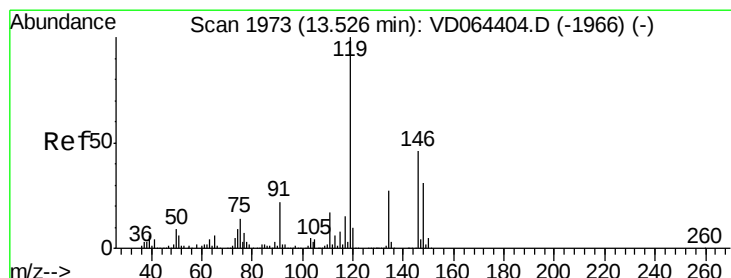
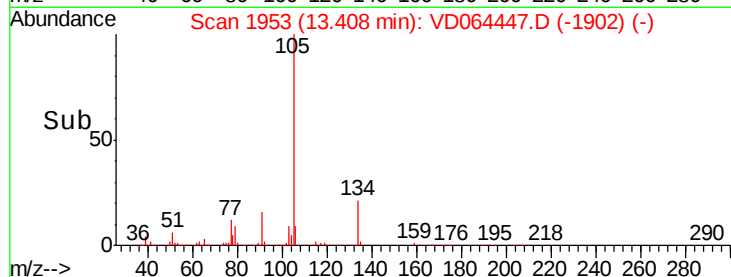
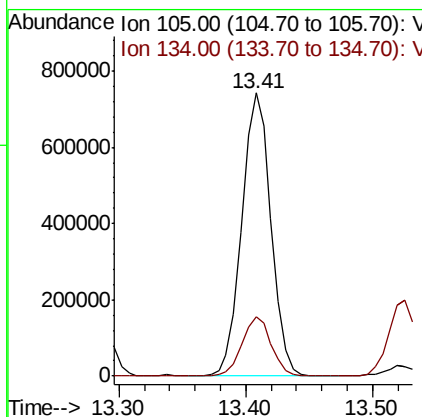
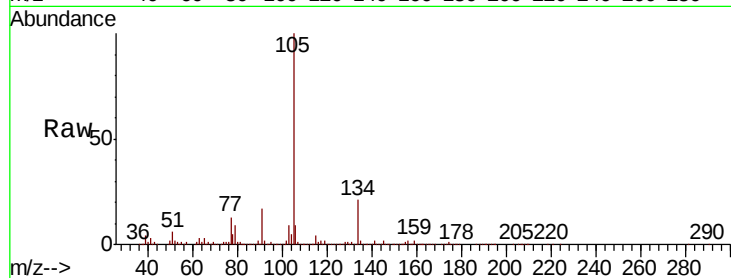




#85  
 sec-Butylbenzene  
 Concen: 43.858 ug/l  
 RT: 13.41 min Scan# 1953  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

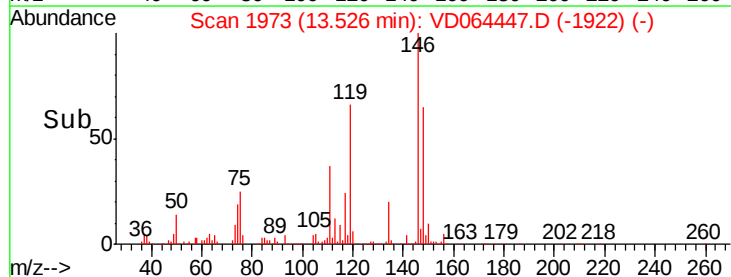
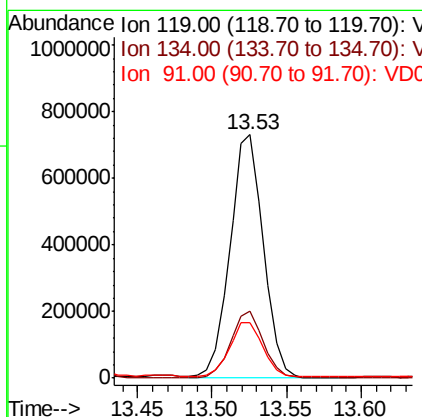
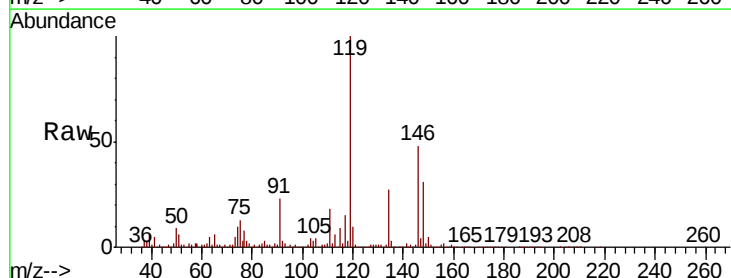
Instrument :  
 MSVOA\_D  
 ClientSampleId :

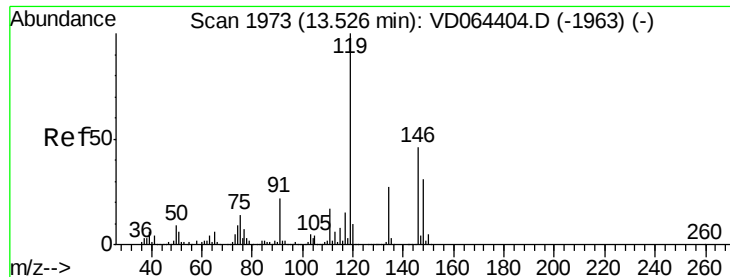
Tot Ion:105 Resp: 1176085  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 10.5 31.5



#86  
 p-Isopropyltoluene  
 Concen: 44.789 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Tgt Ion:119 Resp: 1133896  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 13.5 40.4  
 91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 44.765 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampled :

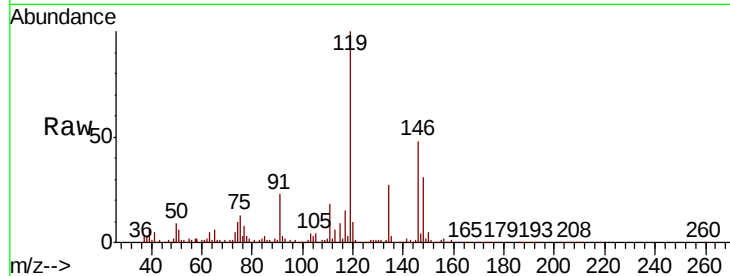
Tot Ion:146 Resp: 577003

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.4

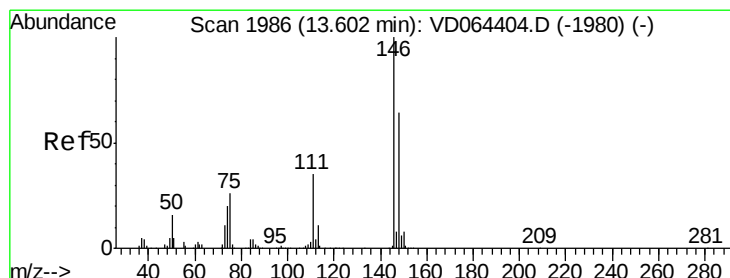
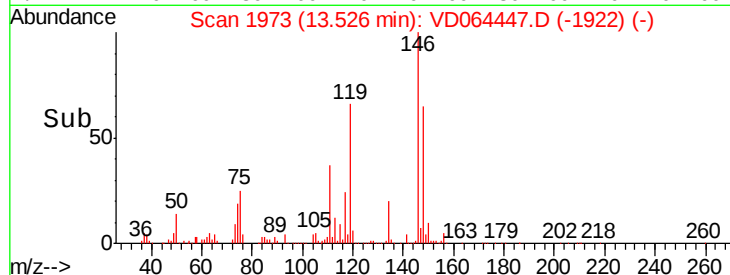
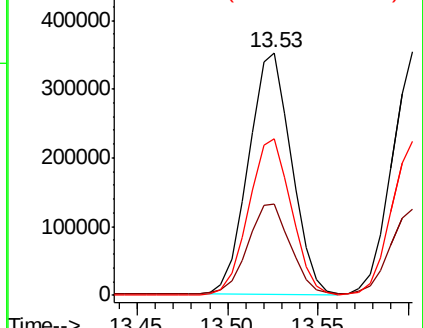
148 64.7 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 44.556 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

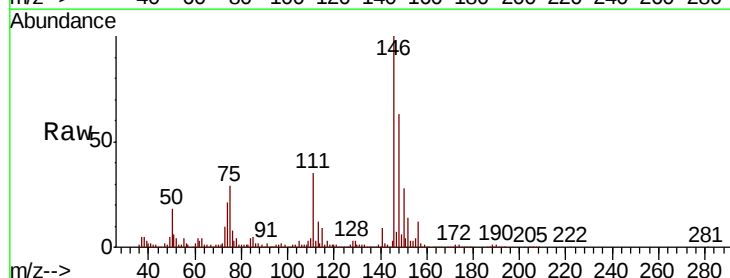
Tgt Ion:146 Resp: 567009

Ion Ratio Lower Upper

146 100

111 36.2 18.2 54.6

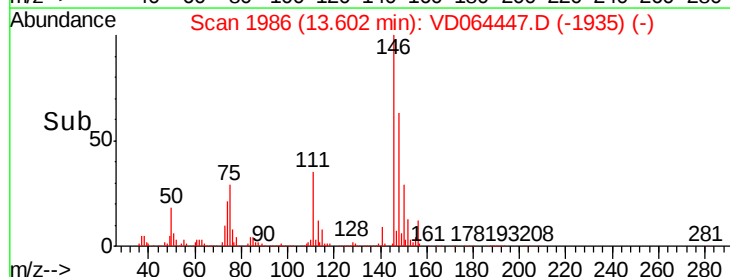
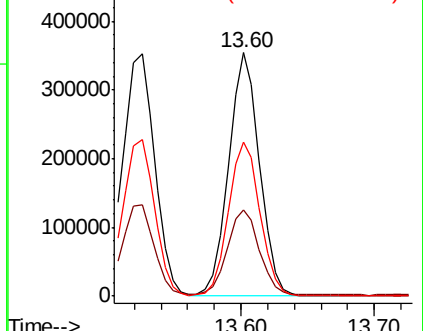
148 64.8 31.8 95.4

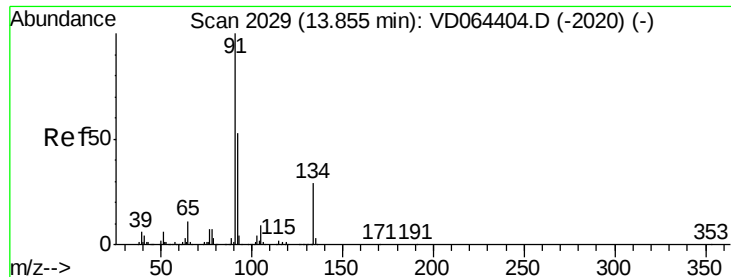


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

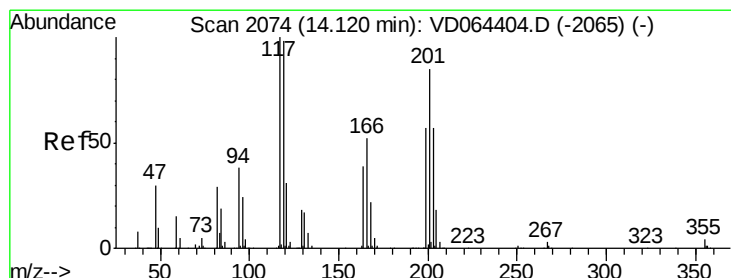
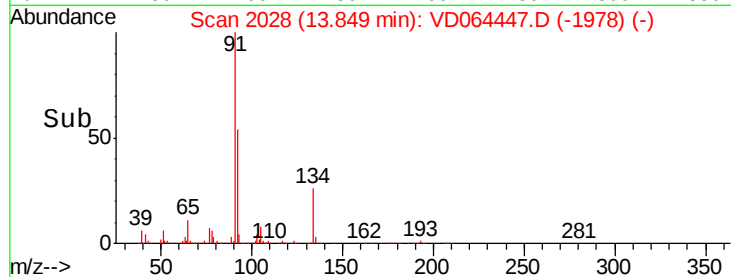
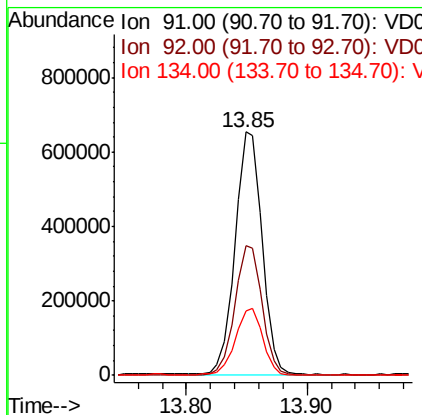
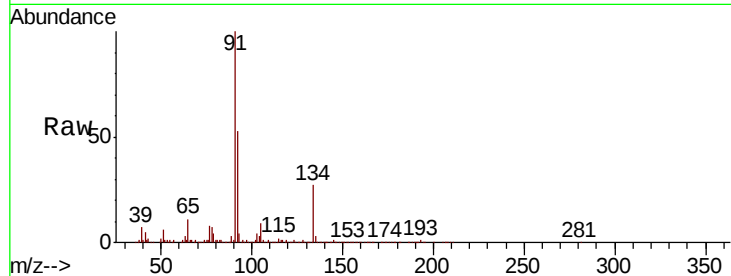




#89  
n-Butylbenzene  
Concen: 44.092 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

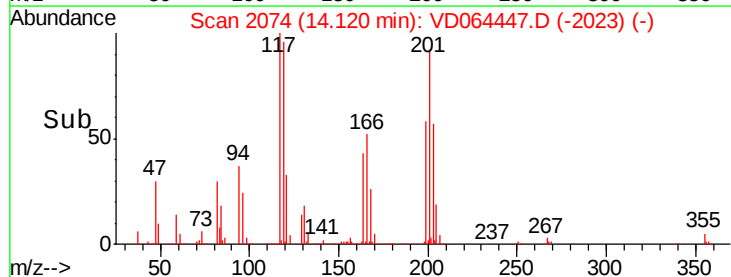
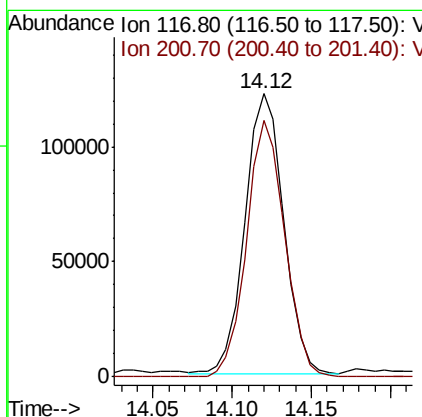
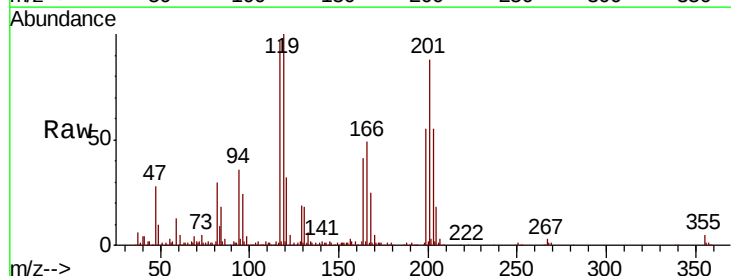
Instrument :  
MSVOA\_D  
ClientSampled :

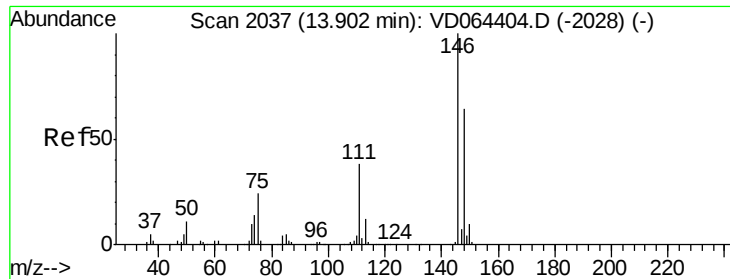
Tot Ion: 91 Resp: 1013686  
Ion Ratio Lower Upper  
91 100  
92 53.7 26.5 79.4  
134 28.3 13.9 41.7



#90  
Hexachloroethane  
Concen: 43.630 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion: 117 Resp: 206593  
Ion Ratio Lower Upper  
117 100  
201 89.9 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 45.719 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA\_D

ClientSampleId :

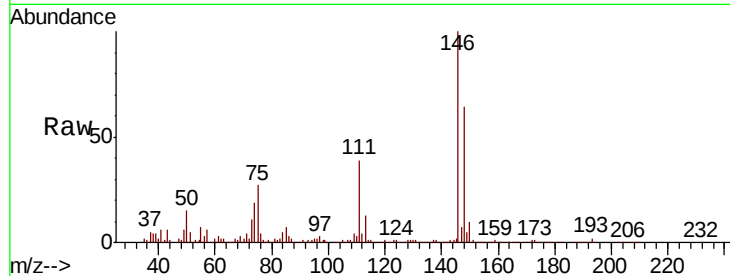
Tot Ion:146 Resp: 503628

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

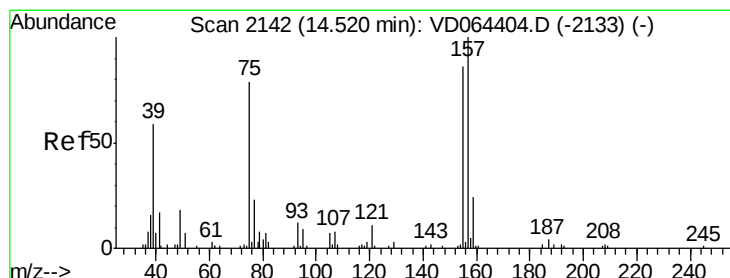
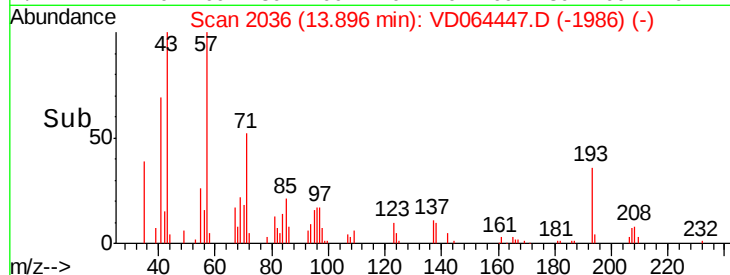
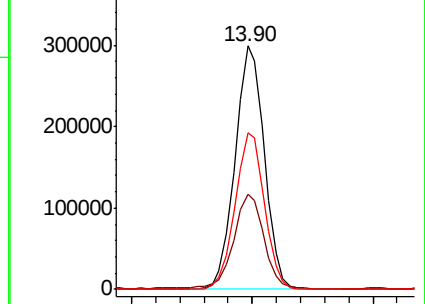
148 64.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.015 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

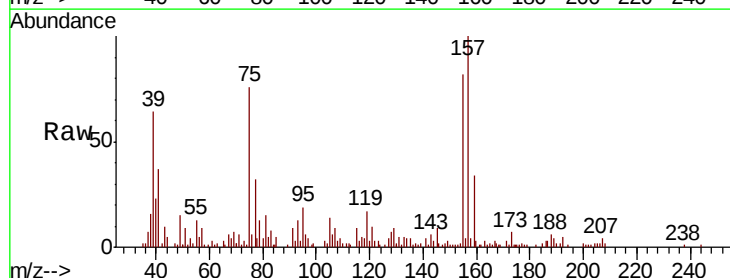
Tgt Ion: 75 Resp: 33986

Ion Ratio Lower Upper

75 100

155 97.7 51.9 155.7

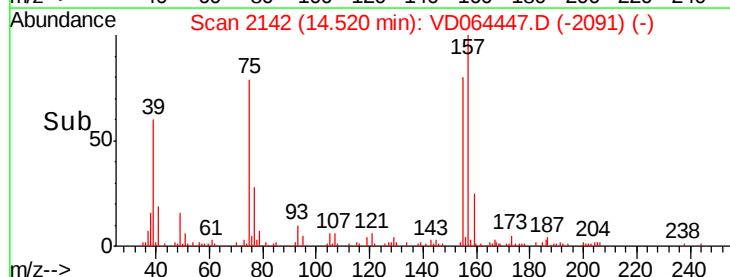
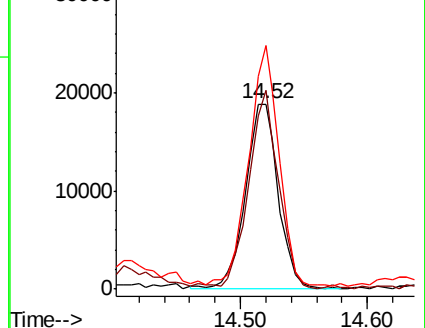
157 119.9 63.2 189.8

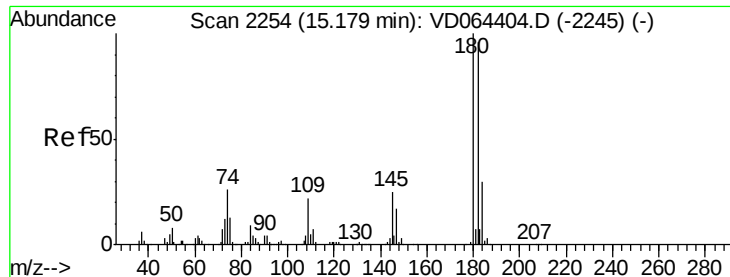


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

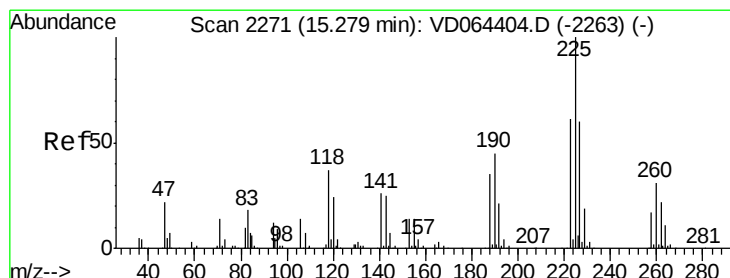
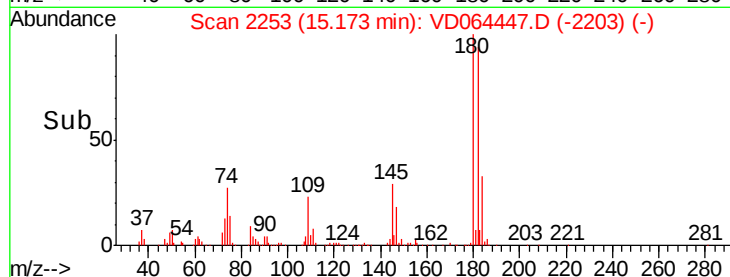
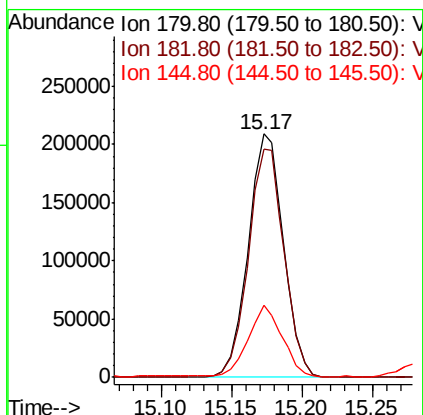
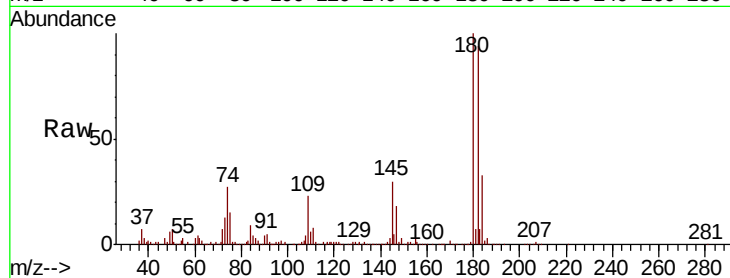




#93  
 1,2,4-Trichlorobenzene  
 Concen: 43.262 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

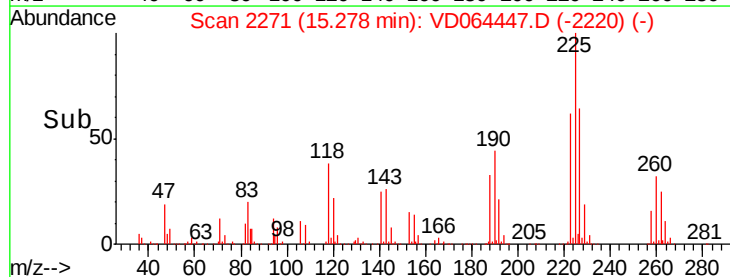
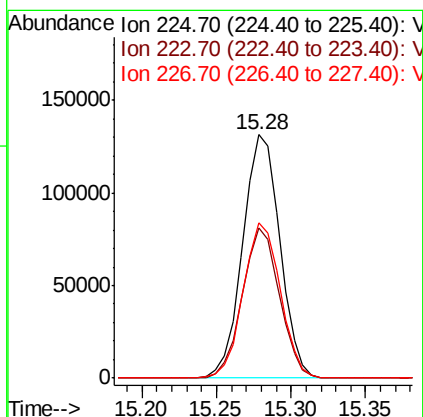
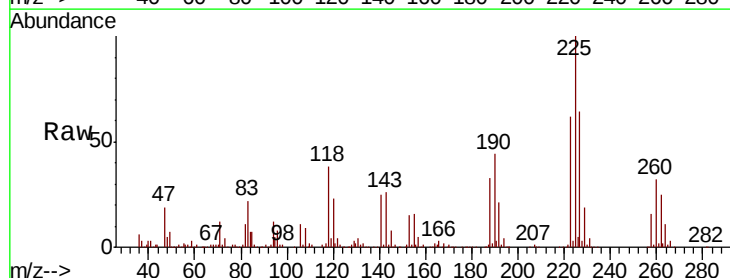
Instrument :  
 MSVOA\_D  
 ClientSampleID :

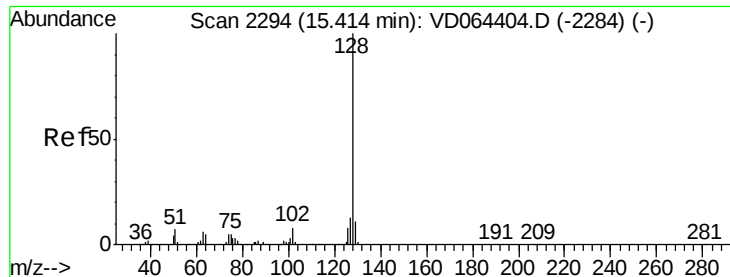
Tot Ion:180 Resp: 364975  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 47.4 142.3  
 145 29.0 14.0 41.9



#94  
 Hexachlorobutadiene  
 Concen: 43.504 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VD064447.D  
 Acq: 05 Dec 2019 20:22

Tgt Ion:225 Resp: 226574  
 Ion Ratio Lower Upper  
 225 100  
 223 61.5 31.1 93.3  
 227 63.9 31.8 95.4

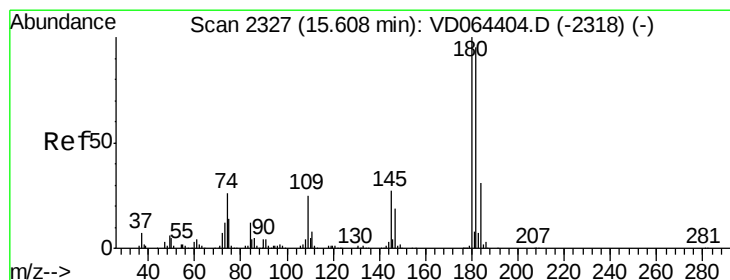
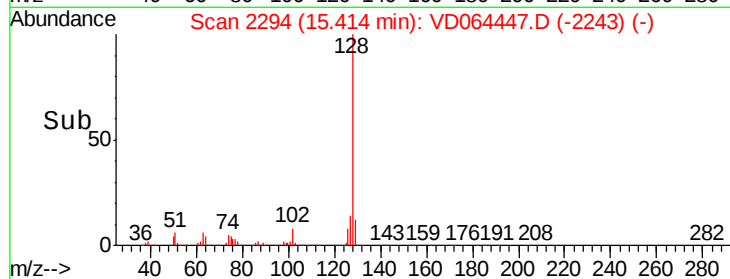
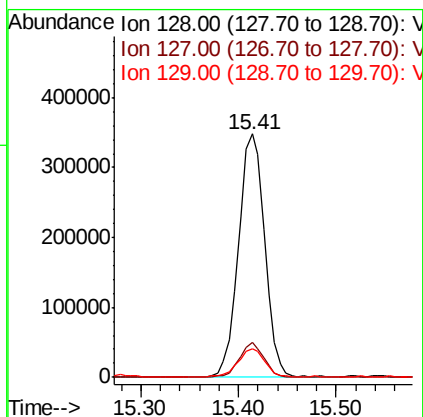
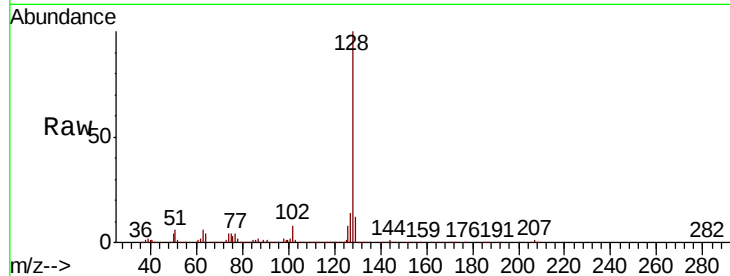




#95  
Naphthalene  
Concen: 45.968 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 647193  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.5 15.7  
129 11.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 45.489 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. -0.00 min  
Lab File: VD064447.D  
Acq: 05 Dec 2019 20:22

Tgt Ion:180 Resp: 327581  
Ion Ratio Lower Upper  
180 100  
182 93.3 47.6 142.9  
145 31.5 14.6 43.8

