

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\  
 Data File : VD063676.D  
 Acq On : 20 Aug 2019 11:21  
 Operator : JC/SY  
 Sample : VD0820SBS01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Quant Time: Aug 20 11:52:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.03  | 168  | 994065   | 50.00 | ug/l  | -0.04    |
| 34) 1,4-Difluorobenzene    | 8.20  | 114  | 1359268  | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 1214279  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 609661   | 50.00 | ug/l  | -0.02    |

|                             |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| System Monitoring Compounds |        |     |          |       |         |       |
| 33) 1,2-Dichloroethane-d4   | 7.43   | 65  | 524883   | 49.40 | ug/l    | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.80%  |       |
| 35) Dibromofluoromethane    | 6.90   | 113 | 629640   | 55.00 | ug/l    | -0.04 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.00% |       |
| 50) Toluene-d8              | 10.39  | 98  | 1391561  | 55.29 | ug/l    | -0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.58% |       |
| 62) 4-Bromofluorobenzene    | 13.54  | 95  | 568021   | 49.79 | ug/l    | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.58%  |       |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.56 | 85  | 258597  | 21.502  | ug/l   | 100    |
| 3) Chloromethane              | 1.73 | 50  | 214366  | 22.814  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.84 | 62  | 212931  | 22.827  | ug/l   | 95     |
| 5) Bromomethane               | 2.13 | 94  | 86388   | 19.627  | ug/l   | 96     |
| 6) Chloroethane               | 2.24 | 64  | 96245   | 22.563  | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 2.51 | 101 | 422591  | 23.097  | ug/l   | 96     |
| 8) Diethyl Ether              | 2.85 | 74  | 57978   | 22.443  | ug/l   | 76     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.13 | 101 | 232610  | 21.530  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.27 | 142 | 293726  | 19.215  | ug/l # | 96     |
| 11) Tert butyl alcohol        | 4.06 | 59  | 49783   | 107.625 | ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 3.10 | 96  | 172473  | 21.472  | ug/l   | 87     |
| 13) Acrolein                  | 3.01 | 56  | 38799   | 85.215  | ug/l   | 99     |
| 14) Allyl chloride            | 3.59 | 41  | 275602  | 22.824  | ug/l   | 95     |
| 15) Acrylonitrile             | 4.17 | 53  | 141272  | 115.304 | ug/l   | 94     |
| 16) Acetone                   | 3.21 | 43  | 224335  | 103.858 | ug/l # | 87     |
| 17) Carbon Disulfide          | 3.34 | 76  | 498246  | 19.654  | ug/l   | 97     |
| 18) Methyl Acetate            | 3.62 | 43  | 90101   | 22.022  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 4.22 | 73  | 362442  | 22.562  | ug/l   | 95     |
| 20) Methylene Chloride        | 3.79 | 84  | 196717  | 21.061  | ug/l   | 88     |
| 21) trans-1,2-Dichloroethene  | 4.19 | 96  | 195981  | 23.186  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.09 | 45  | 542107  | 21.756  | ug/l   | 93     |
| 23) Vinyl Acetate             | 5.03 | 43  | 1575524 | 108.763 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 4.95 | 63  | 356603  | 23.074  | ug/l   | 98     |
| 25) 2-Butanone                | 6.05 | 43  | 212817  | 99.759  | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 5.99 | 77  | 341237  | 22.168  | ug/l   | 91     |
| 27) cis-1,2-Dichloroethene    | 6.01 | 96  | 194494  | 21.031  | ug/l   | 86     |
| 28) Bromochloromethane        | 6.42 | 49  | 130528  | 20.839  | ug/l   | 93     |
| 29) Tetrahydrofuran           | 6.43 | 42  | 109545  | 110.199 | ug/l   | 98     |
| 30) Chloroform                | 6.64 | 83  | 404913  | 21.079  | ug/l   | 91     |
| 31) Cyclohexane               | 6.94 | 56  | 213290  | 22.231  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.84 | 97  | 408178  | 22.213  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.12 | 75  | 271288  | 22.577  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.16 | 43  | 114674  | 22.775  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 7.08 | 117 | 416847  | 23.018  | ug/l   | 95     |

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 Sample : VD0820SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Quant Time: Aug 20 11:52:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.85  | 83   | 207599   | 20.317  | ug/l   | 96       |
| 40) Benzene                    | 7.43  | 78   | 566423   | 21.420  | ug/l   | 94       |
| 41) Methacrylonitrile          | 6.42  | 41   | 147349   | 23.242  | ug/l # | 96       |
| 42) 1,2-Dichloroethane         | 7.56  | 62   | 300523   | 22.602  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 9.22  | 43   | 149433   | 22.159  | ug/l # | 97       |
| 44) Trichloroethene            | 8.52  | 130  | 232812   | 23.034  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 8.93  | 63   | 147437   | 23.942  | ug/l   | 100      |
| 46) Dibromomethane             | 9.04  | 93   | 119184   | 22.663  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.36  | 83   | 303982   | 22.535  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.10  | 41   | 99896    | 21.843  | ug/l   | 88       |
| 49) 1,4-Dioxane                | 9.06  | 88   | 16878    | 427.786 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone       | 10.28 | 43   | 513497   | 111.278 | ug/l   | 94       |
| 52) Toluene                    | 10.49 | 92   | 375447   | 22.043  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.89 | 75   | 253414   | 23.019  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.03 | 75   | 271317   | 21.857  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 11.18 | 97   | 119531   | 20.776  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 11.03 | 69   | 142932   | 22.889  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 11.40 | 76   | 195572   | 22.488  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.84  | 63   | 350107   | 106.197 | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.52 | 43   | 407687   | 121.420 | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.67 | 129  | 238205   | 22.753  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 156263   | 22.436  | ug/l   | 94       |
| 64) Tetrachloroethene          | 11.24 | 164  | 203621   | 21.722  | ug/l   | 92       |
| 65) Chlorobenzene              | 12.39 | 112  | 487401   | 21.416  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 219498   | 21.915  | ug/l   | 92       |
| 67) Ethyl Benzene              | 12.51 | 91   | 880031   | 22.239  | ug/l   | 96       |
| 68) m/p-Xylenes                | 12.66 | 106  | 572928   | 41.210  | ug/l   | 85       |
| 69) o-Xylene                   | 13.04 | 106  | 272743   | 20.383  | ug/l   | 98       |
| 70) Styrene                    | 13.06 | 104  | 449081   | 18.868  | ug/l   | 96       |
| 71) Bromoform                  | 13.23 | 173  | 142732   | 20.783  | ug/l   | 97       |
| 73) Isopropylbenzene           | 13.39 | 105  | 868064   | 22.386  | ug/l   | 97       |
| 74) N-amyl acetate             | 13.26 | 43   | 224484   | 23.061  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.69 | 83   | 141415   | 21.971  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 147457   | 21.075  | ug/l   | 99       |
| 77) Bromobenzene               | 13.66 | 156  | 234742   | 22.149  | ug/l   | 95       |
| 78) n-propylbenzene            | 13.77 | 91   | 941311   | 20.747  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 13.83 | 91   | 594748   | 22.735  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 736765   | 21.745  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.46 | 75   | 43770    | 23.275  | ug/l   | 88       |
| 82) 4-Chlorotoluene            | 13.94 | 91   | 652910   | 20.755  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 14.18 | 119  | 816773   | 22.893  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 769854   | 24.557  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 14.36 | 105  | 850920   | 22.458  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 757135   | 20.899  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 436979   | 22.795  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 14.53 | 146  | 408798   | 22.227  | ug/l   | 99       |
| 89) n-Butylbenzene             | 14.79 | 91   | 774713   | 23.430  | ug/l   | 95       |
| 90) Hexachloroethane           | 15.00 | 117  | 193708   | 21.273  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 387222   | 23.808  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.37 | 75   | 25009    | 20.636  | ug/l   | 90       |

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Sample : VD0820SBS01  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

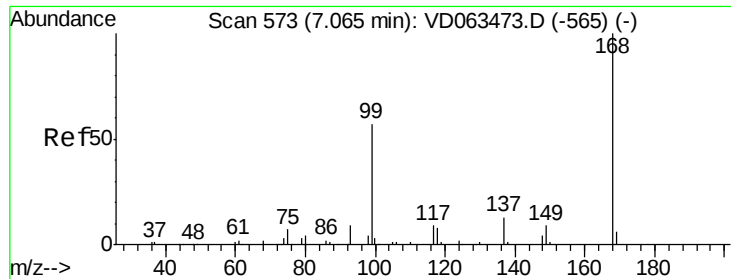
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Quant Time: Aug 20 11:52:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 10 06:42:47 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.93 | 180  | 270262   | 22.583 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 211181   | 23.153 | ug/l  | 96       |
| 95) Naphthalene            | 16.12 | 128  | 352117   | 19.414 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.26 | 180  | 205298   | 21.239 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

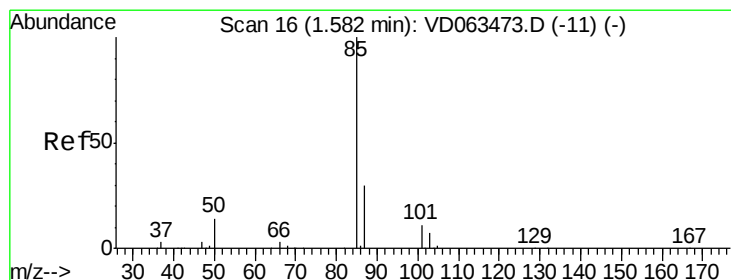
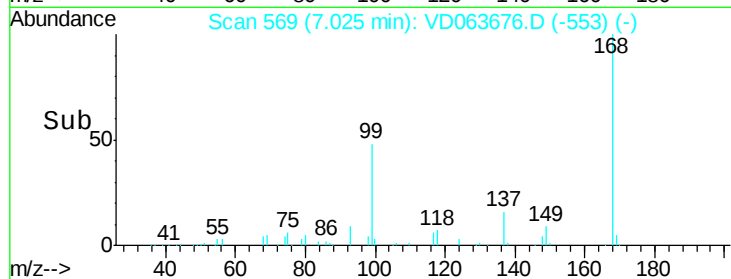
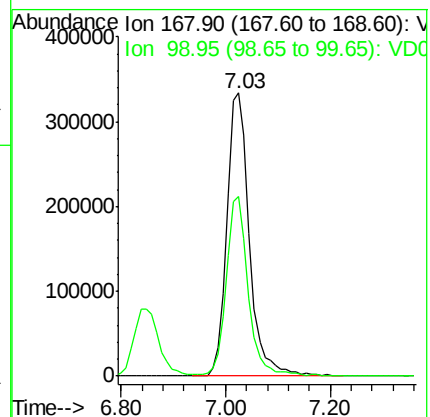
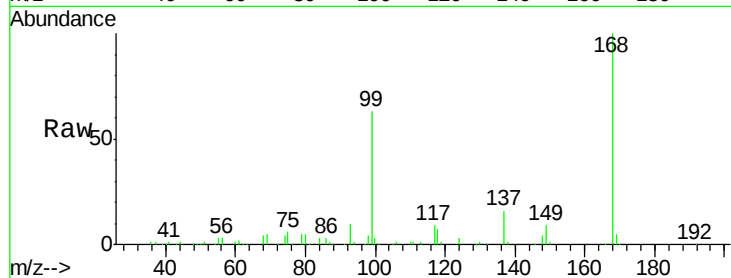
VD0820SBS01

Tot Ion:168 Resp: 994065

Ion Ratio Lower Upper

168 100

99 63.4 46.7 70.1



#2

Dichlorodifluoromethane

Concen: 21.502 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063676.D

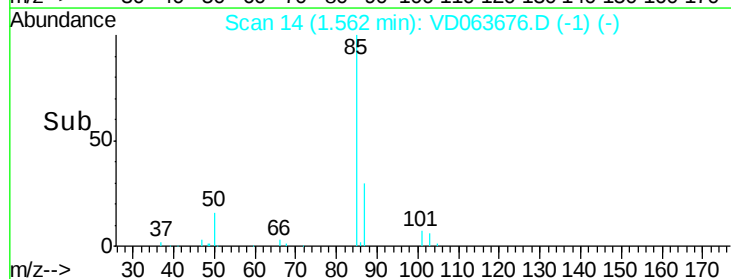
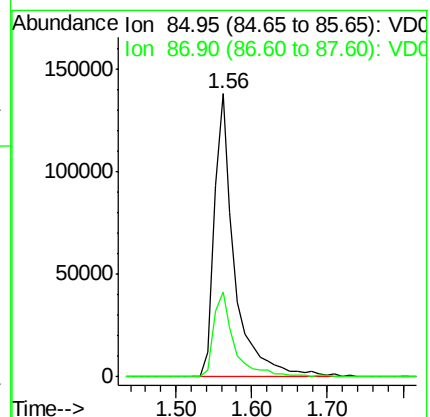
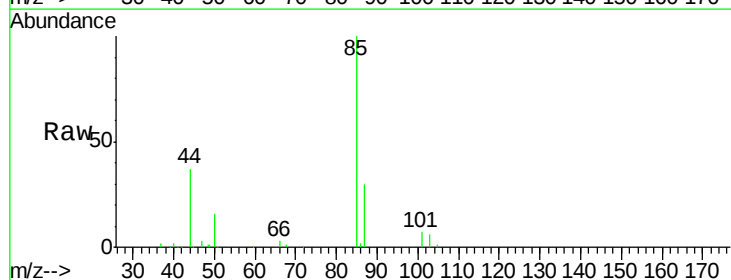
Acq: 20 Aug 2019 11:21

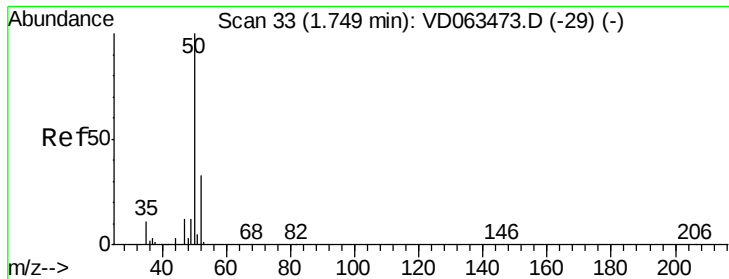
Tgt Ion: 85 Resp: 258597

Ion Ratio Lower Upper

85 100

87 29.9 15.0 45.0





#3

Chloromethane

Concen: 22.814 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

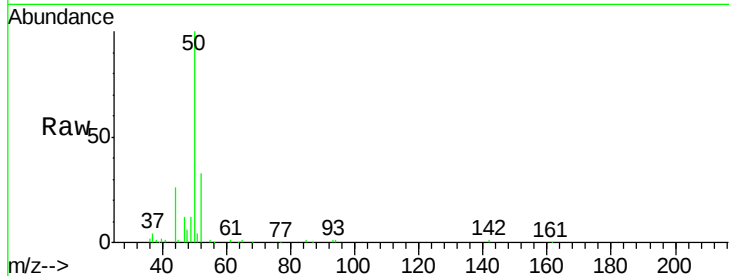
VD0820SBS01

Tot Ion: 50 Resp: 214366

Ion Ratio Lower Upper

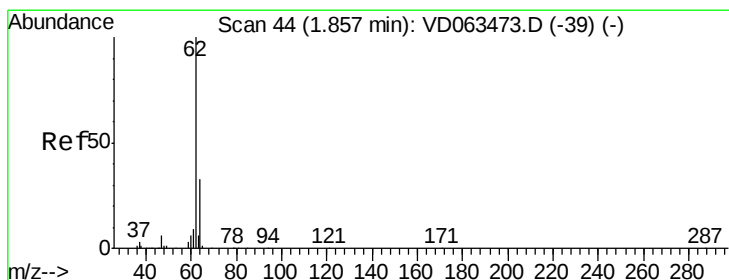
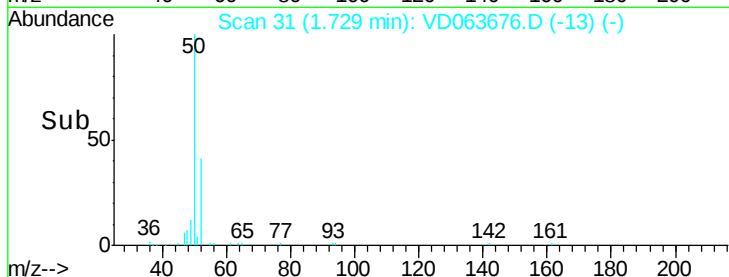
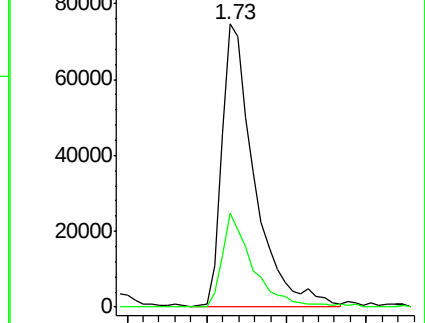
50 100

52 33.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.827 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063676.D

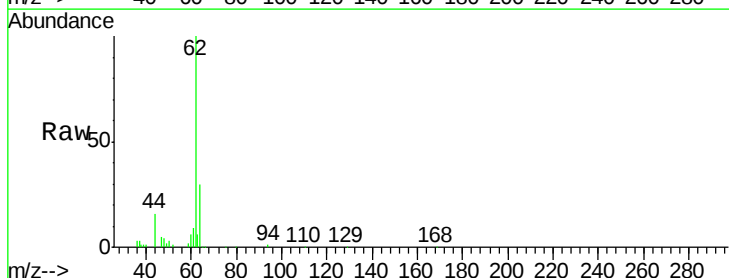
Acq: 20 Aug 2019 11:21

Tgt Ion: 62 Resp: 212931

Ion Ratio Lower Upper

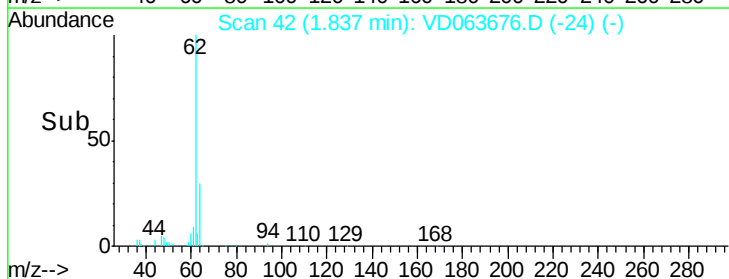
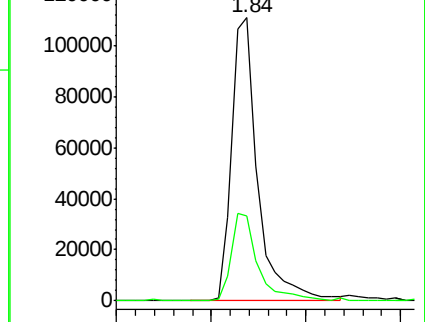
62 100

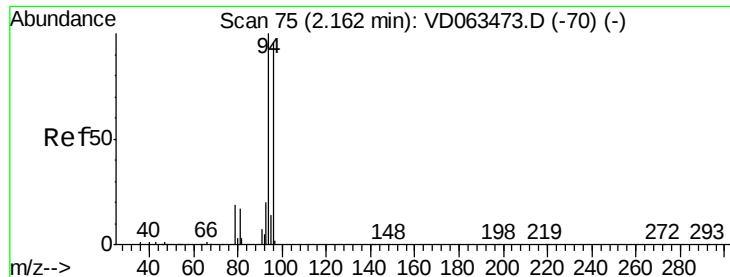
64 30.1 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.627 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

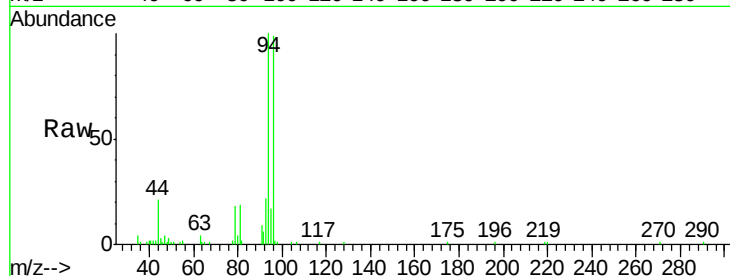
Tot Ion: 94 Resp: 86388

Ion Ratio Lower Upper

94 100

96 99.2 76.5 114.7

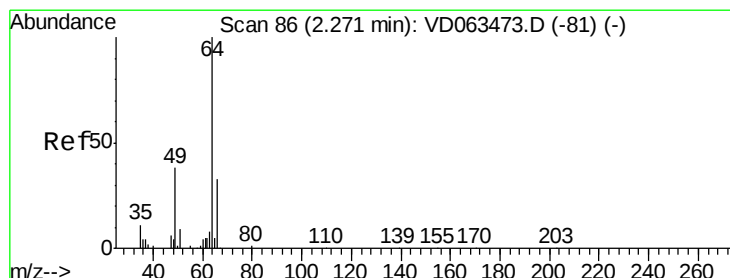
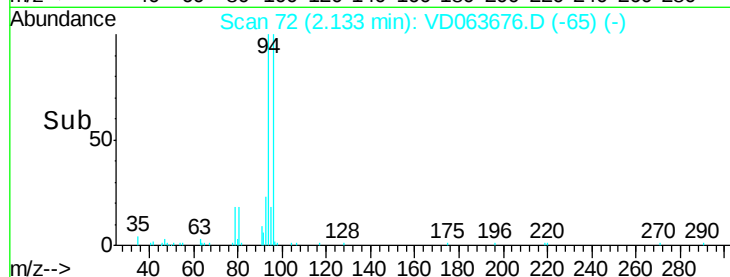
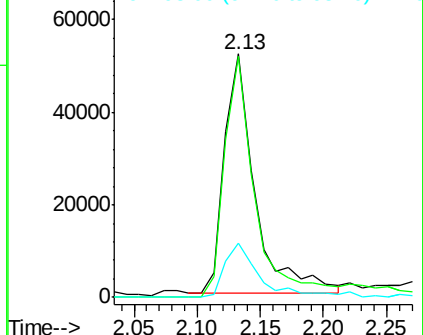
93 22.3 15.8 23.8



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 22.563 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD063676.D

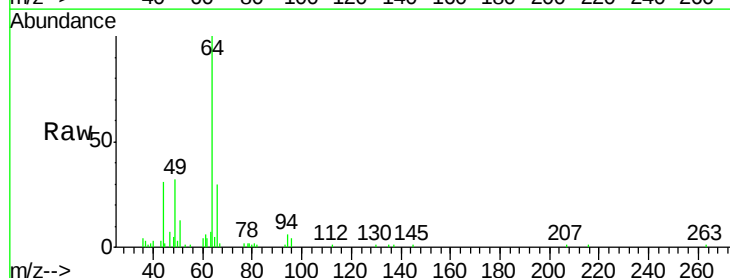
Acq: 20 Aug 2019 11:21

Tgt Ion: 64 Resp: 96245

Ion Ratio Lower Upper

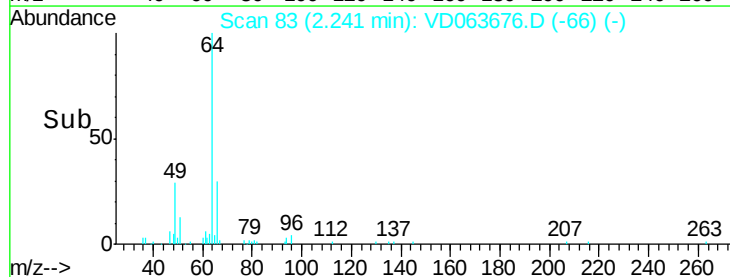
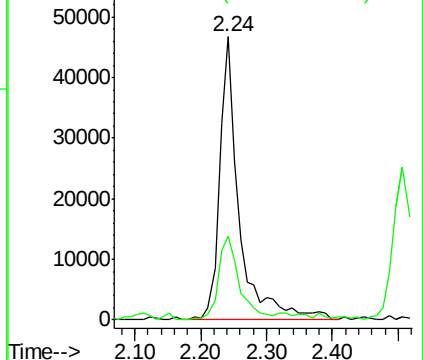
64 100

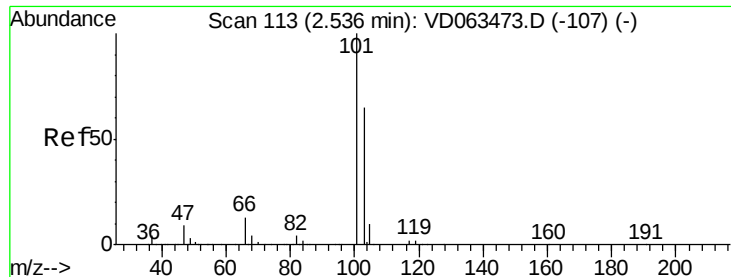
66 29.6 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



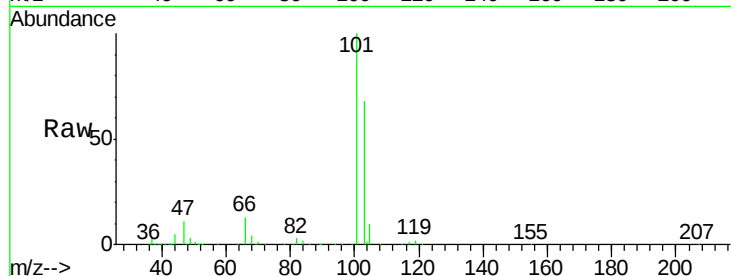


#7

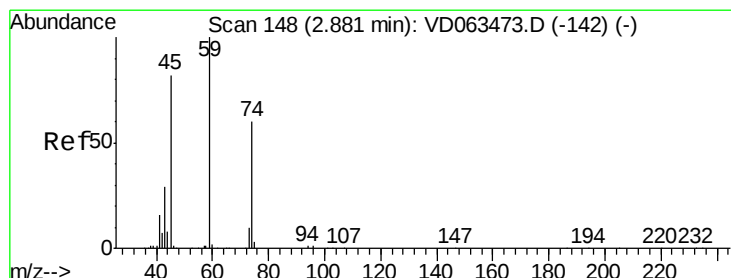
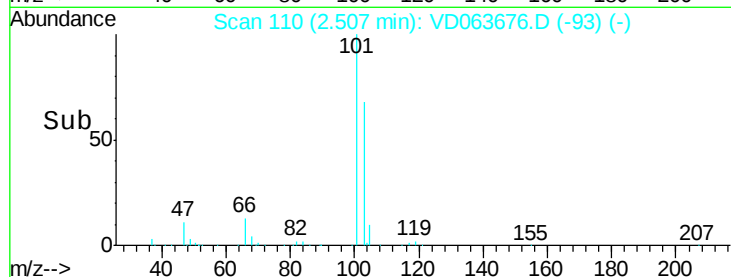
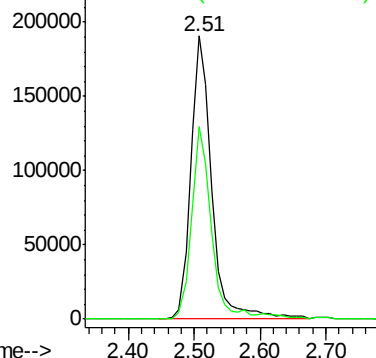
Trichlorofluoromethane  
 Concen: 23.097 ug/l  
 RT: 2.51 min Scan# 110  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Tot Ion:101 Resp: 422591  
 Ion Ratio Lower Upper  
 101 100  
 103 68.2 52.2 78.4



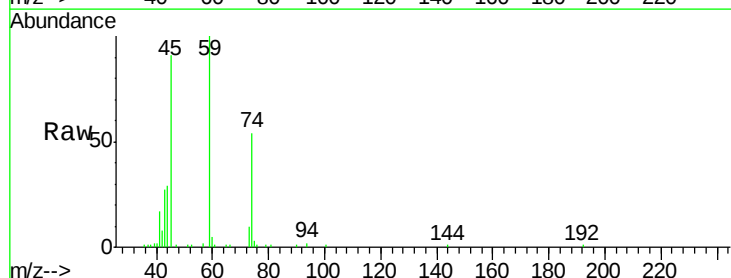
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



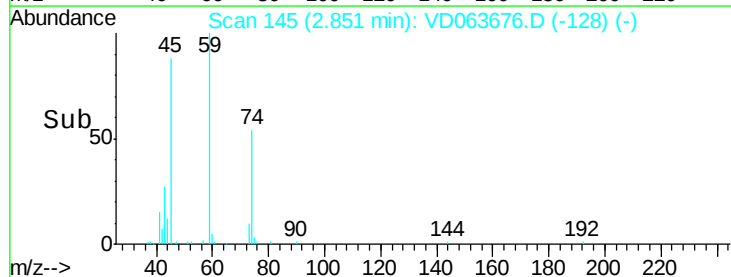
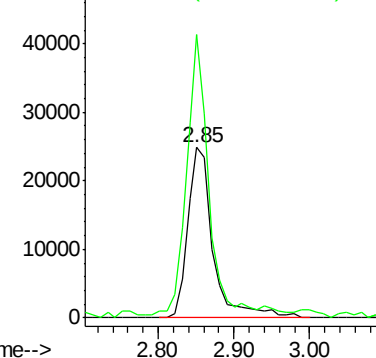
#8

Diethyl Ether  
 Concen: 22.443 ug/l  
 RT: 2.85 min Scan# 145  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 74 Resp: 57978  
 Ion Ratio Lower Upper  
 74 100  
 45 166.4 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC  
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.530 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

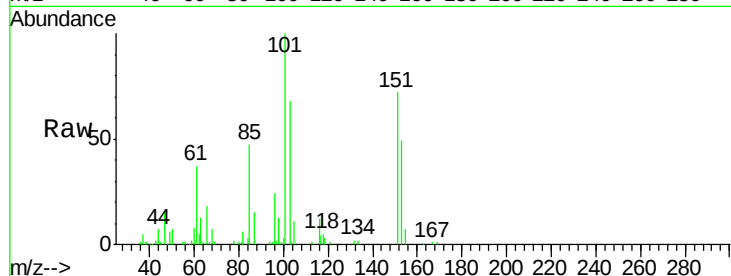
Tot Ion:101 Resp: 232610

Ion Ratio Lower Upper

101 100

85 46.5 35.8 53.6

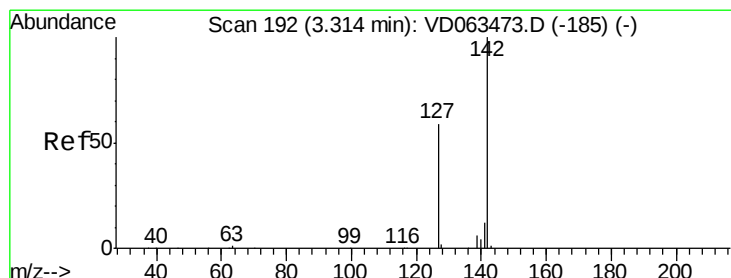
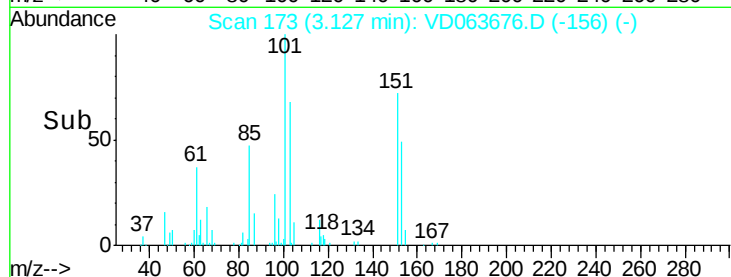
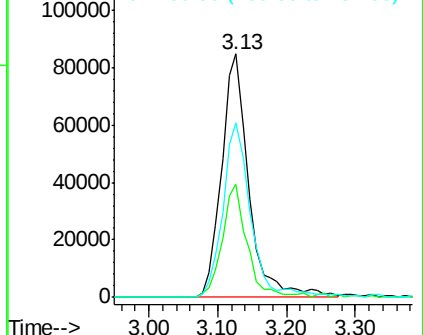
151 71.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.215 ug/l

RT: 3.27 min Scan# 188

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

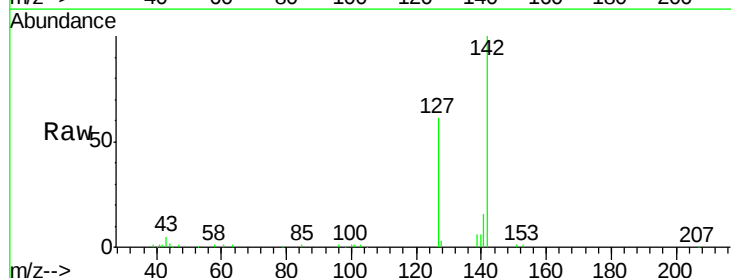
Tgt Ion:142 Resp: 293726

Ion Ratio Lower Upper

142 100

127 61.3 47.2 70.8

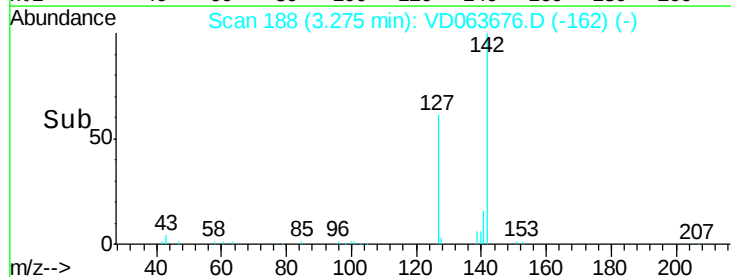
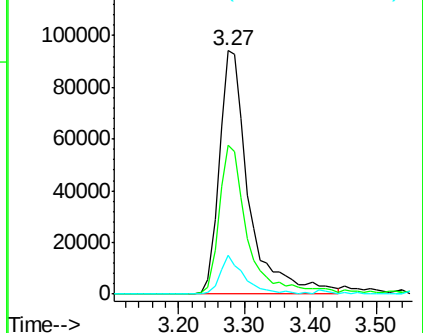
141 15.8 9.8 14.8#

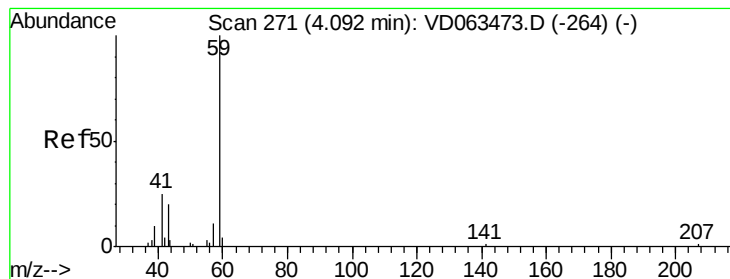


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



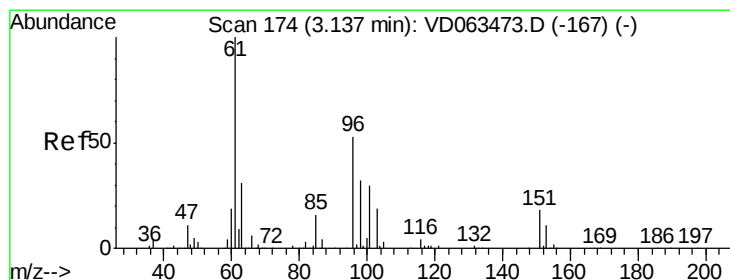
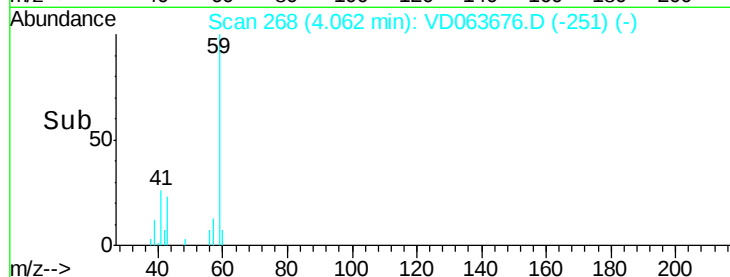
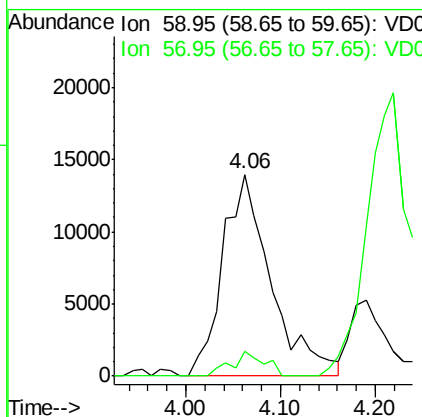
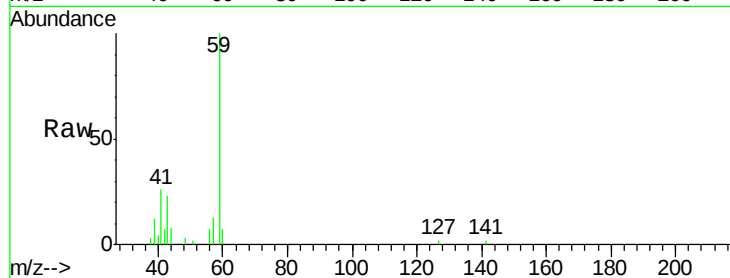


#11

Tert butyl alcohol  
Concen: 107.625 ug/l  
RT: 4.06 min Scan# 268  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

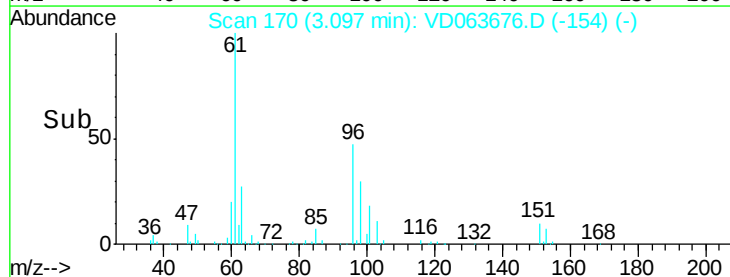
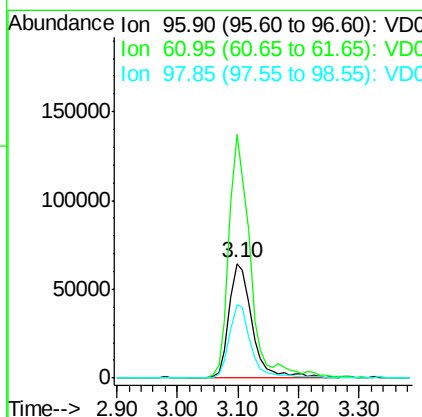
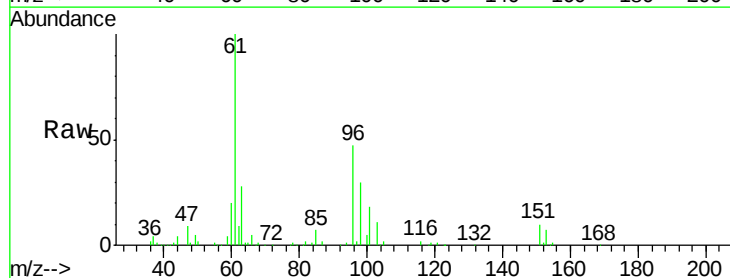
Tot Ion: 59 Resp: 49783  
Ion Ratio Lower Upper  
59 100  
57 12.5 8.7 13.1

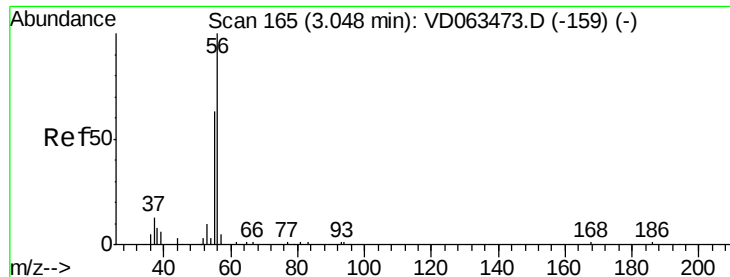


#12

1,1-Dichloroethene  
Concen: 21.472 ug/l  
RT: 3.10 min Scan# 170  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 96 Resp: 172473  
Ion Ratio Lower Upper  
96 100  
61 213.0 151.7 227.5  
98 64.6 48.4 72.6





#13

Acrolein

Concen: 85.215 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

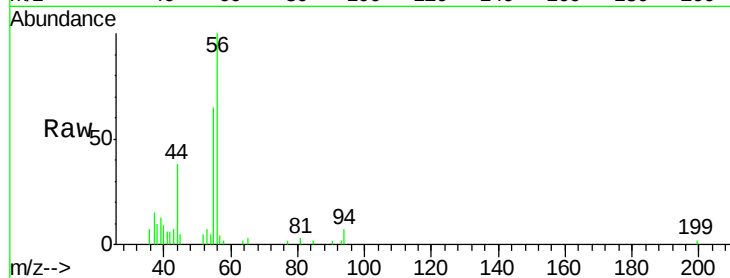
VD0820SBS01

Tot Ion: 56 Resp: 38799

Ion Ratio Lower Upper

56 100

55 65.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

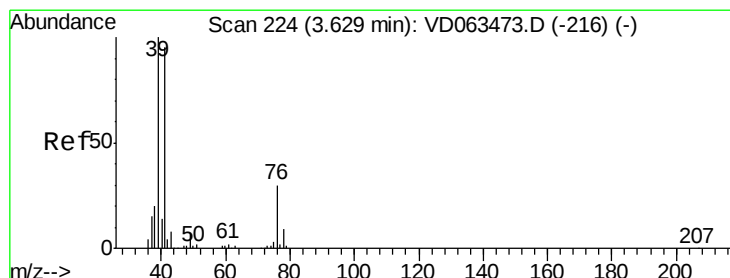
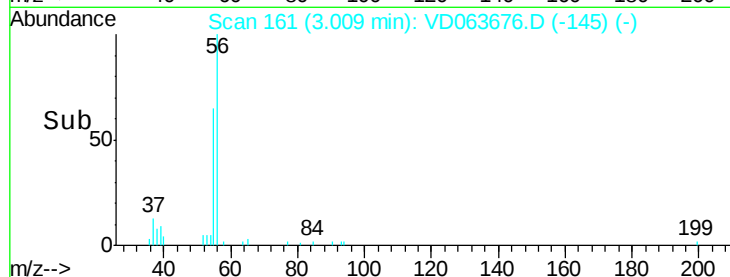
5000

0

Time-->

2.90 3.00 3.10 3.20

3.01



#14

Allyl chloride

Concen: 22.824 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

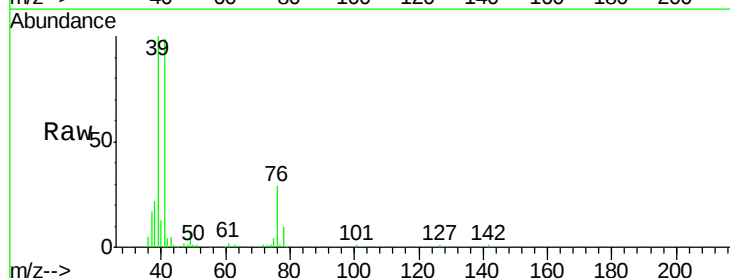
Tgt Ion: 41 Resp: 275602

Ion Ratio Lower Upper

41 100

39 101.0 84.2 126.4

76 29.4 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

15000

10000

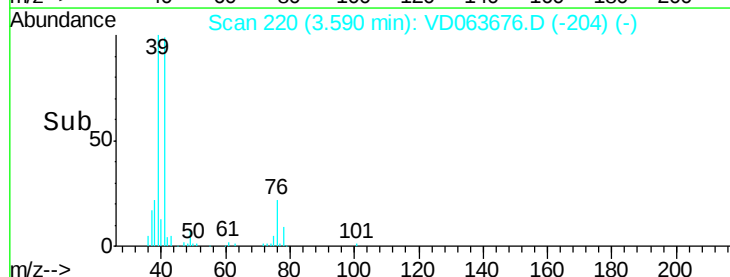
5000

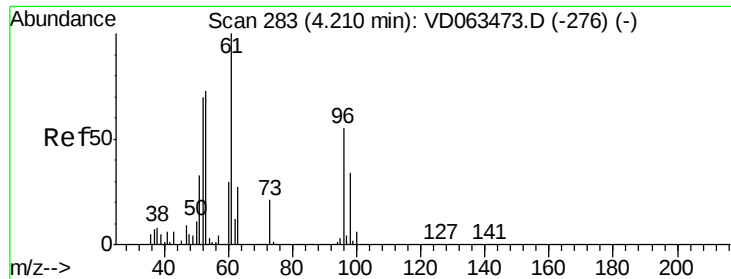
0

Time-->

3.50 3.60 3.70 3.80

3.59





#15

Acrylonitrile

Concen: 115.304 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

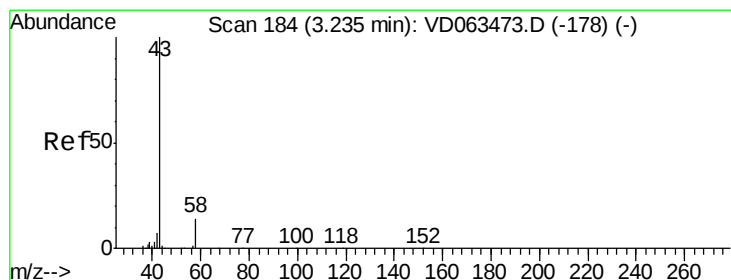
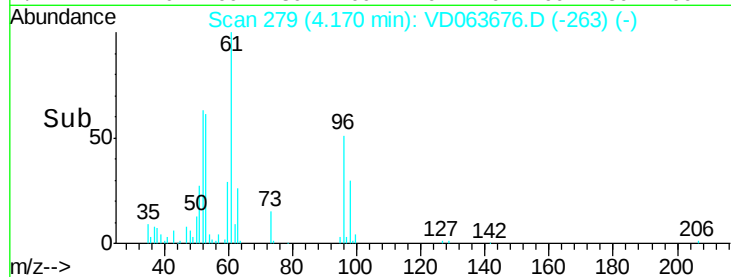
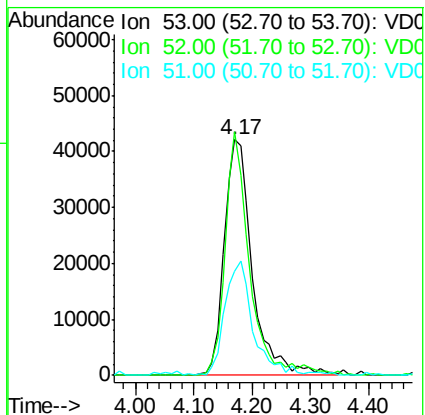
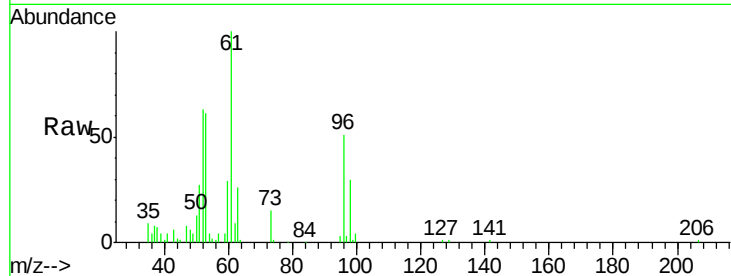
Tot Ion: 53 Resp: 141272

Ion Ratio Lower Upper

53 100

52 103.4 77.4 116.0

51 43.9 36.7 55.1



#16

Acetone

Concen: 103.858 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063676.D

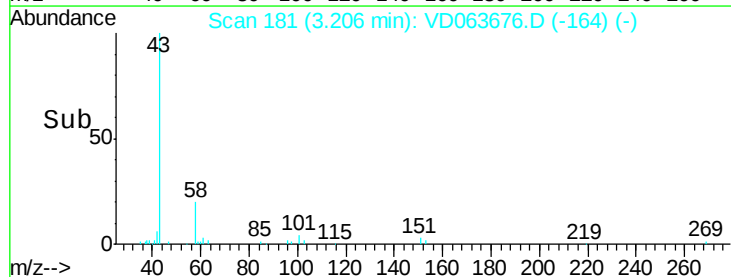
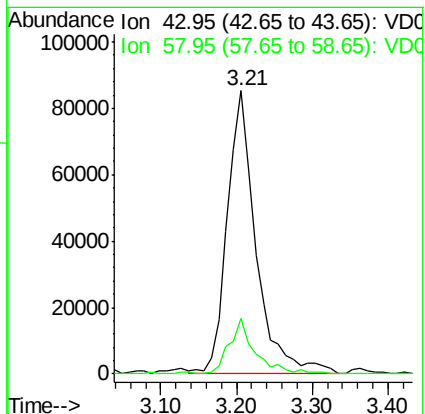
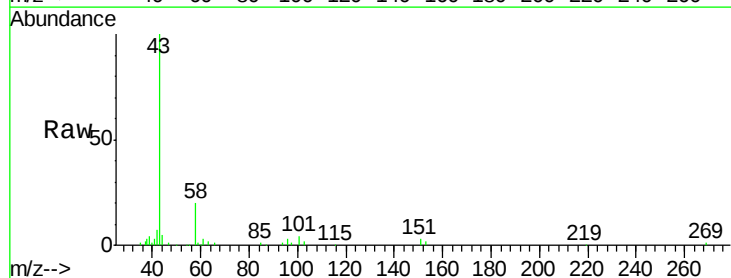
Acq: 20 Aug 2019 11:21

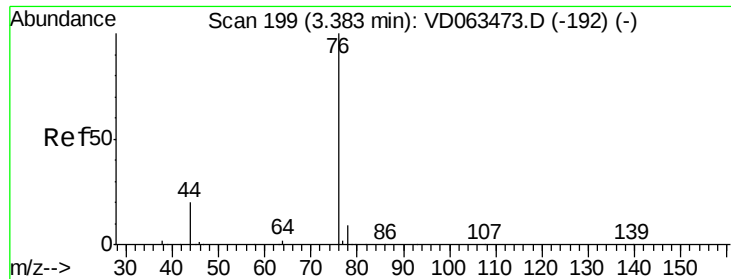
Tgt Ion: 43 Resp: 224335

Ion Ratio Lower Upper

43 100

58 19.8 11.4 17.2#

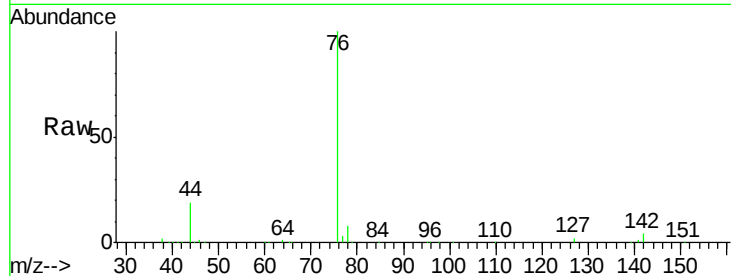




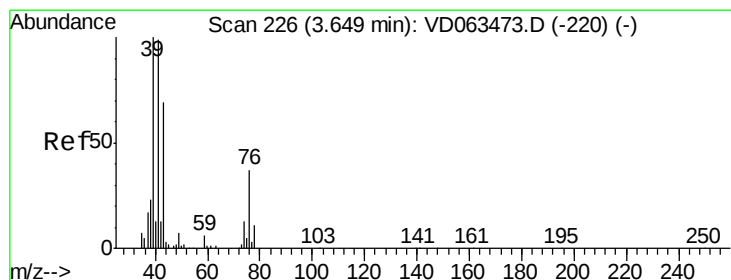
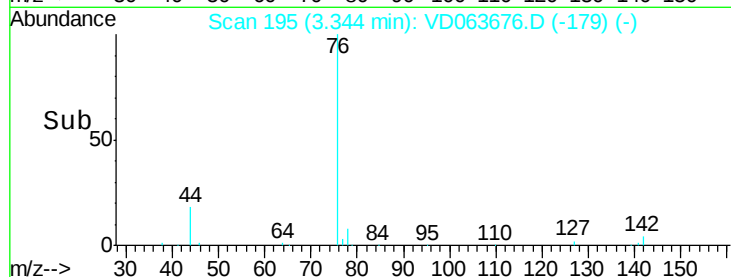
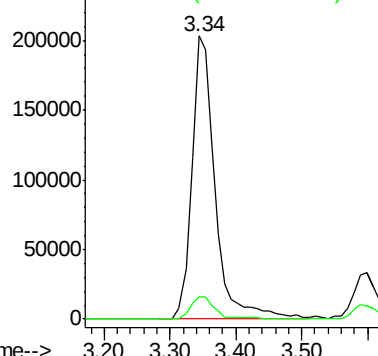
#17  
Carbon Disulfide  
Concen: 19.654 ug/l  
RT: 3.34 min Scan# 195  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Tot Ion: 76 Resp: 498246  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.4 11.0

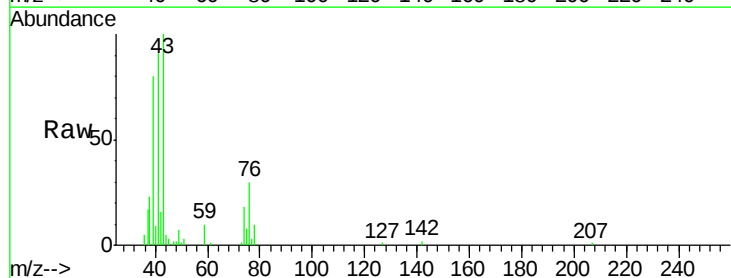


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

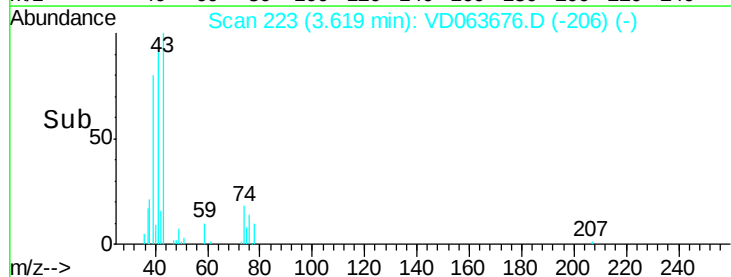
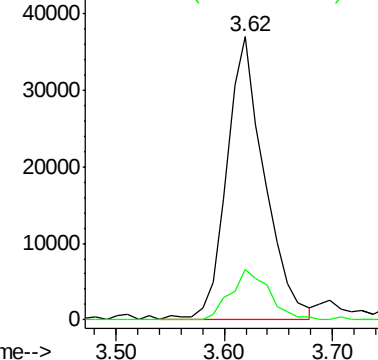


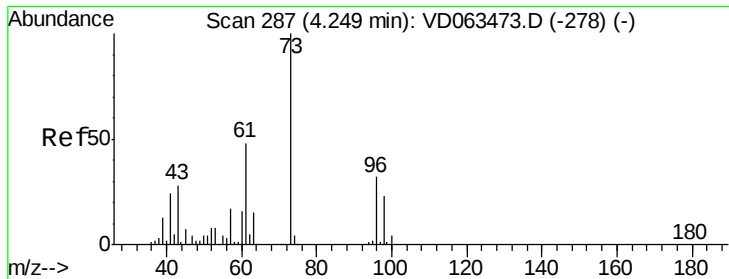
#18  
Methyl Acetate  
Concen: 22.022 ug/l  
RT: 3.62 min Scan# 223  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 43 Resp: 90101  
Ion Ratio Lower Upper  
43 100  
74 17.9 15.4 23.2



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

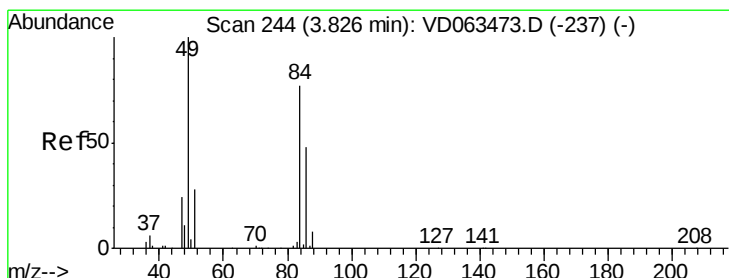
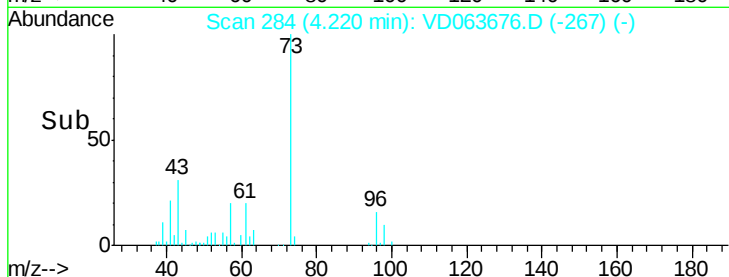
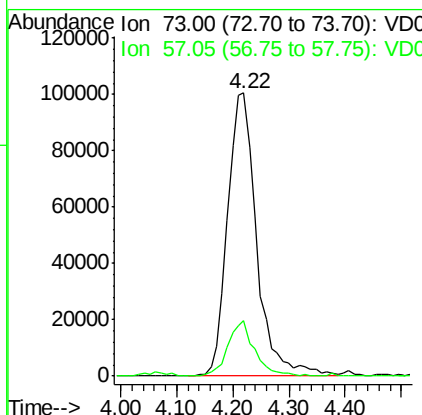
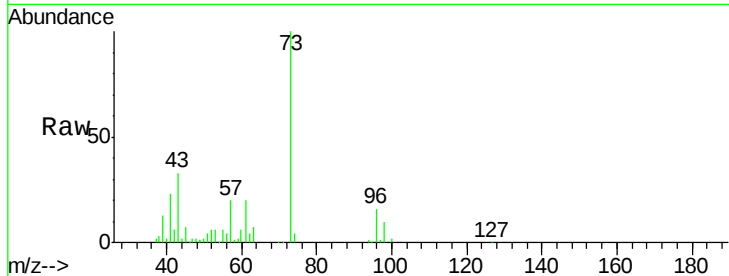




#19  
Methyl tert-butyl Ether  
Concen: 22.562 ug/l  
RT: 4.22 min Scan# 284  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

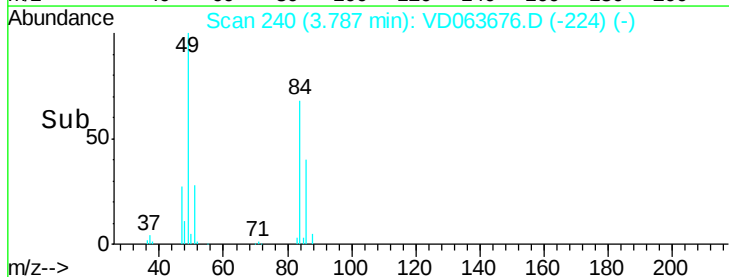
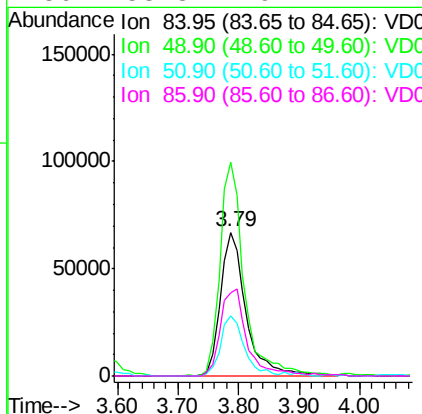
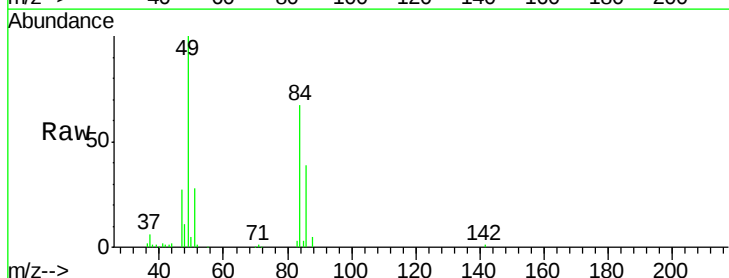
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

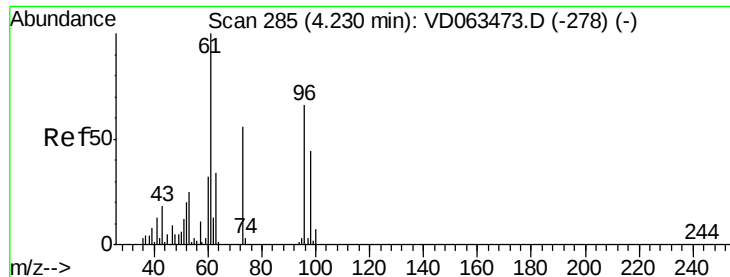
Tot Ion: 73 Resp: 362442  
Ion Ratio Lower Upper  
73 100  
57 19.5 14.0 21.0



#20  
Methylene Chloride  
Concen: 21.061 ug/l  
RT: 3.79 min Scan# 240  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 84 Resp: 196717  
Ion Ratio Lower Upper  
84 100  
49 148.4 103.4 155.2  
51 41.8 28.5 42.7  
86 58.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 23.186 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

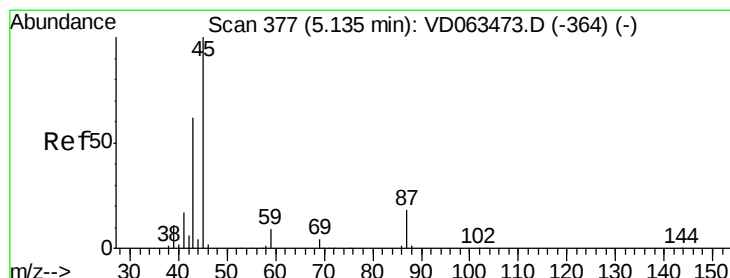
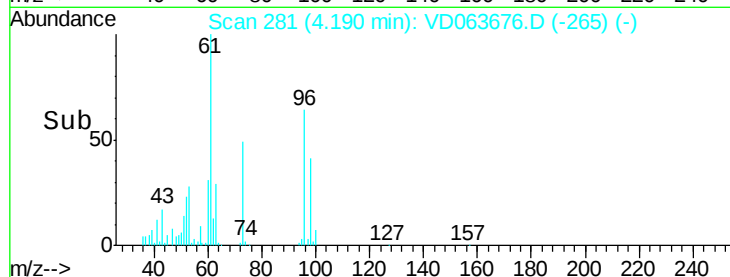
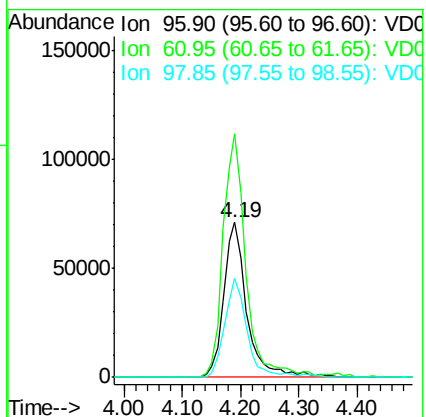
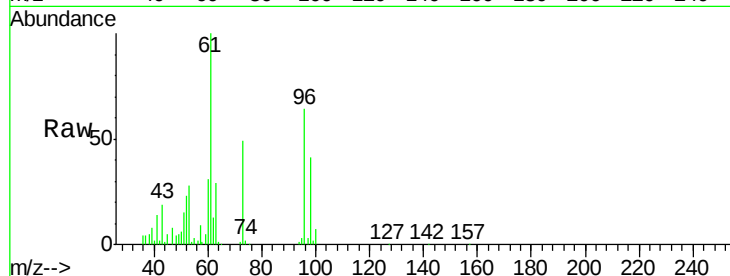
Tot Ion: 96 Resp: 195981

Ion Ratio Lower Upper

96 100

61 157.1 121.7 182.5

98 63.9 54.2 81.2



#22

Diisopropyl ether

Concen: 21.756 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.05 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Tgt Ion: 45 Resp: 542107

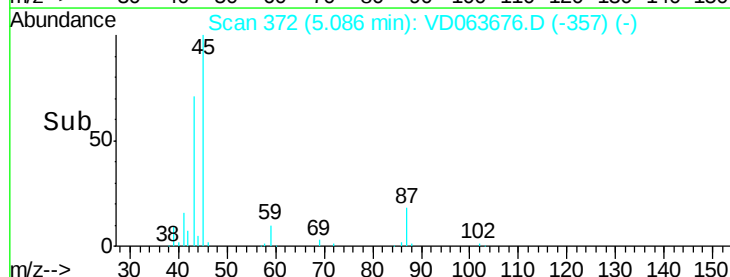
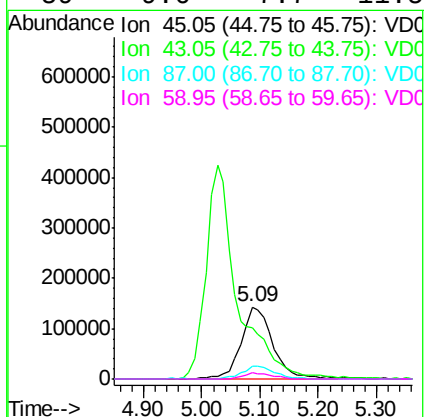
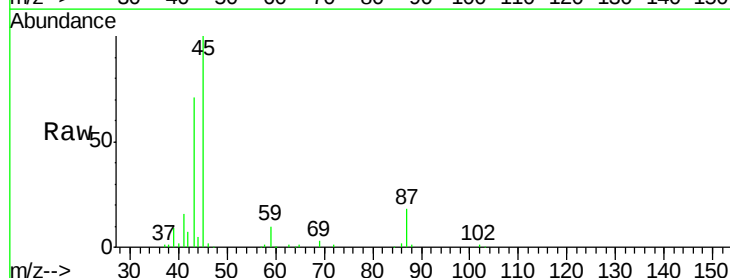
Ion Ratio Lower Upper

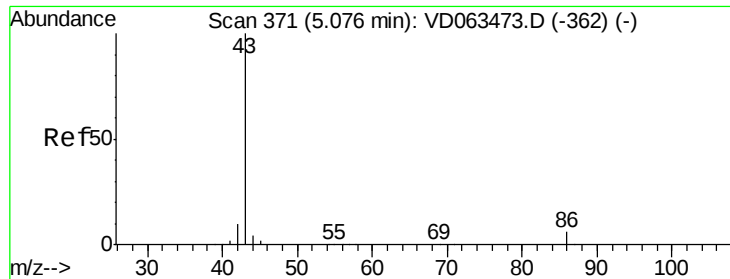
45 100

43 70.7 50.3 75.5

87 17.6 14.3 21.5

59 9.6 7.7 11.5





#23

Vinyl Acetate

Concen: 108.763 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.05 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

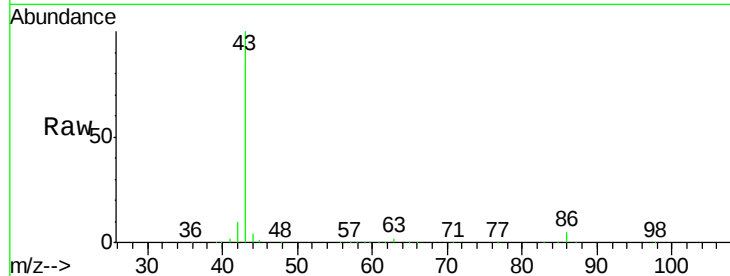
VD0820SBS01

Tot Ion: 43 Resp: 1575524

Ion Ratio Lower Upper

43 100

86 5.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

500000

400000

300000

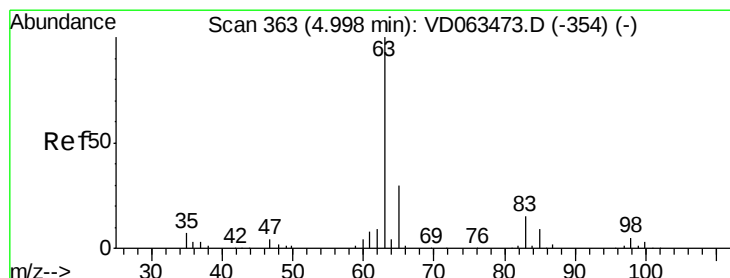
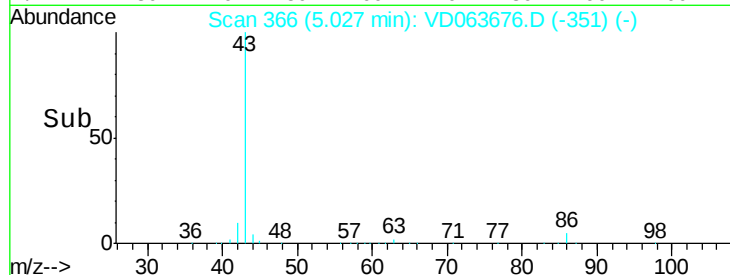
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 23.074 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.05 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

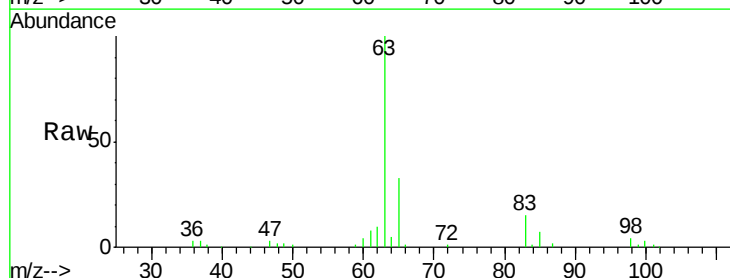
Tgt Ion: 63 Resp: 356603

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.2

100 2.9 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

120000

100000

80000

60000

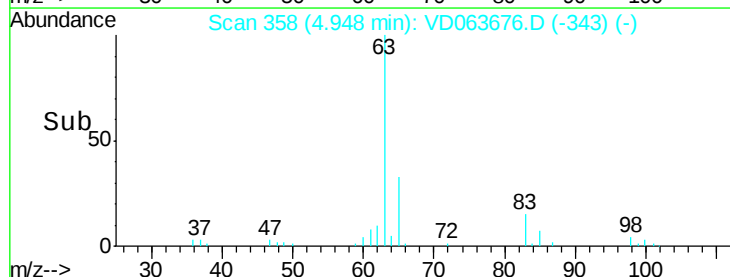
40000

20000

0

Time-->

4.80 4.90 5.00 5.10





#25

2-Butanone

Concen: 99.759 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

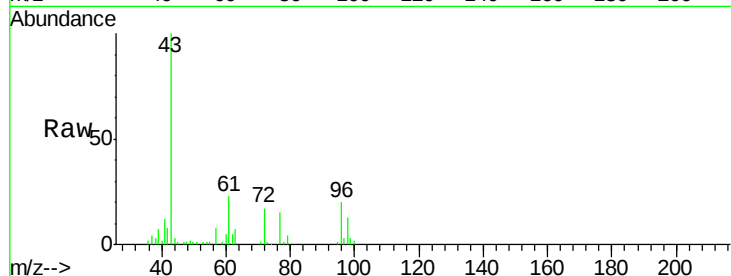
VD0820SBS01

Tot Ion: 43 Resp: 212817

Ion Ratio Lower Upper

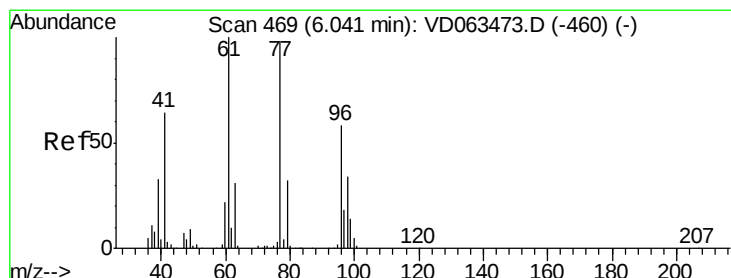
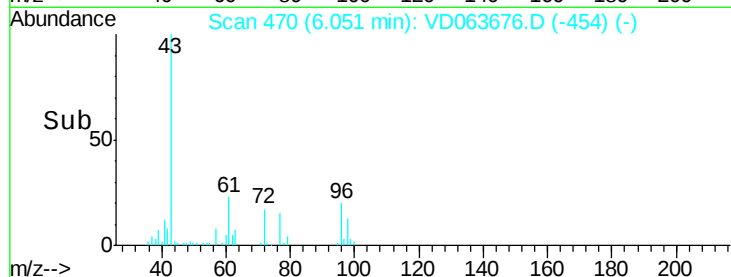
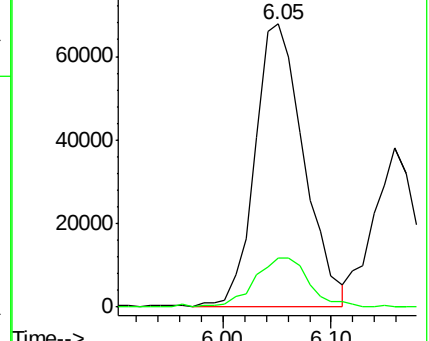
43 100

72 17.3 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.168 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.05 min

Lab File: VD063676.D

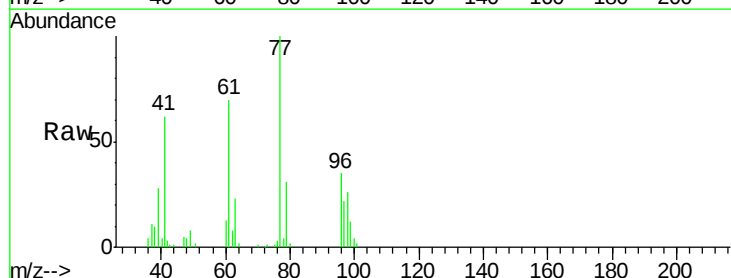
Acq: 20 Aug 2019 11:21

Tgt Ion: 77 Resp: 341237

Ion Ratio Lower Upper

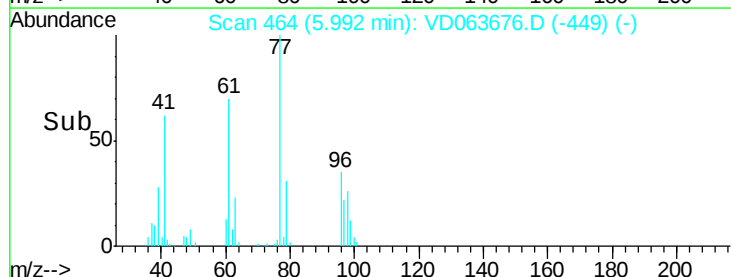
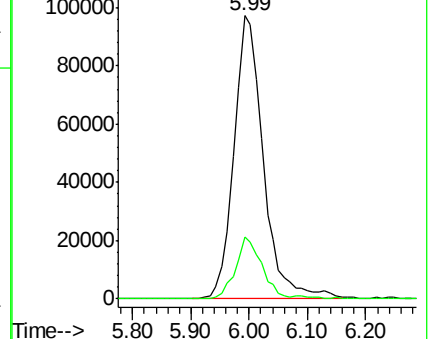
77 100

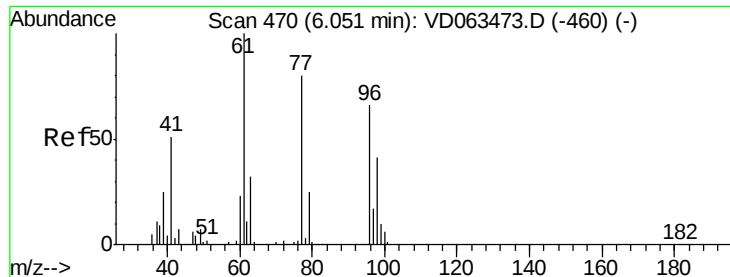
97 22.0 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



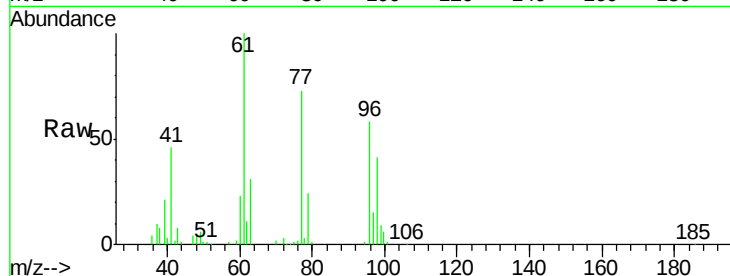


#27

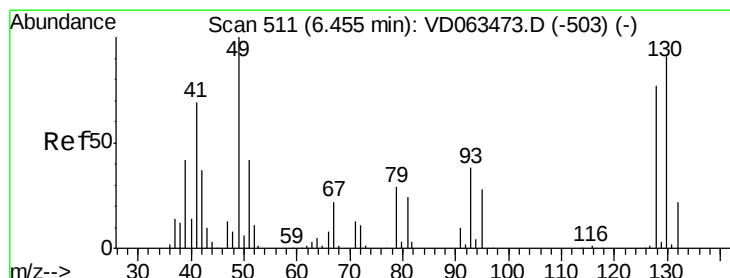
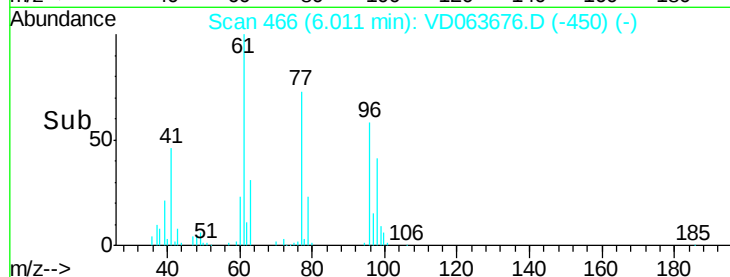
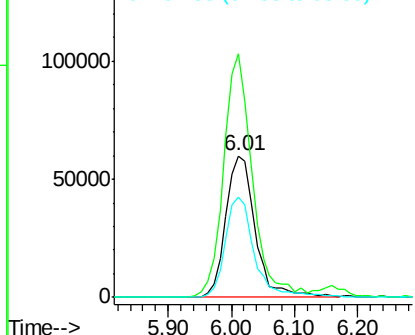
cis-1,2-Dichloroethene  
 Concen: 21.031 ug/l  
 RT: 6.01 min Scan# 466  
 Delta R.T. -0.04 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 172.2 | 0.0   | 304.0 |
| 98      | 71.1  | 0.0   | 124.8 |



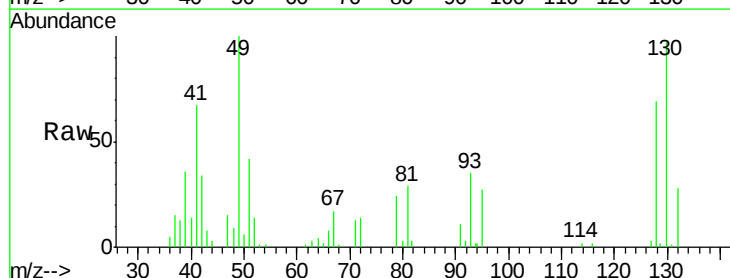
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



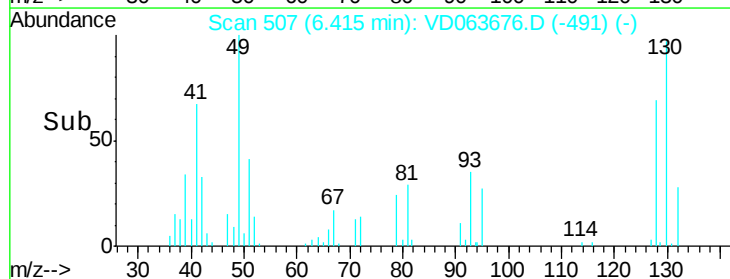
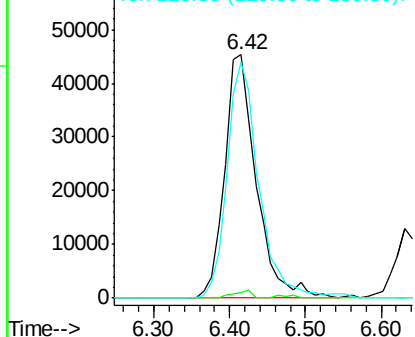
#28

Bromochloromethane  
 Concen: 20.839 ug/l  
 RT: 6.42 min Scan# 507  
 Delta R.T. -0.04 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 6.4   |
| 130     | 97.1  | 72.4  | 108.6 |



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

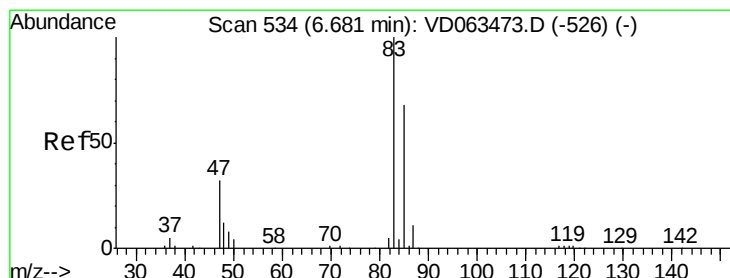
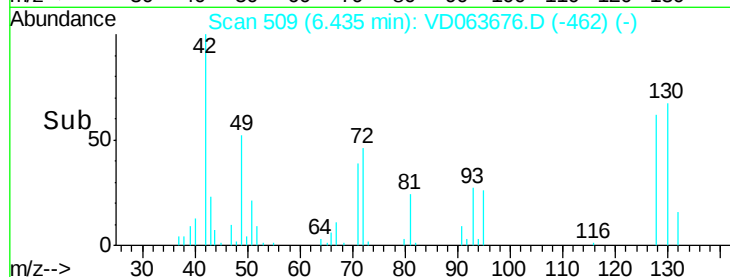
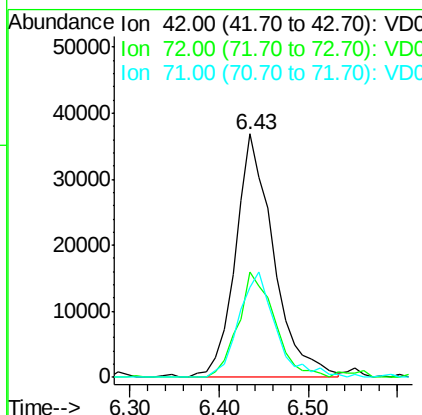
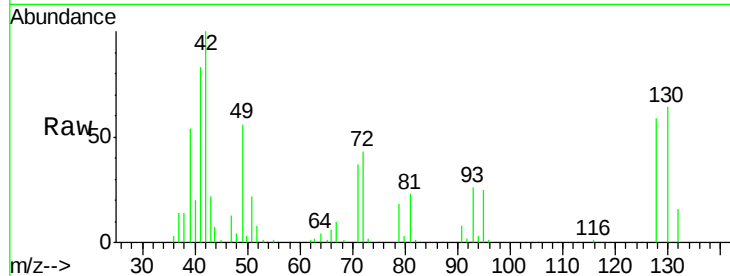




#29  
Tetrahydrofuran  
Concen: 110.199 ug/l  
RT: 6.43 min Scan# 509  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

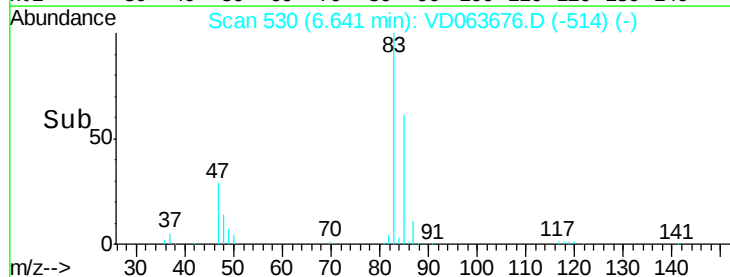
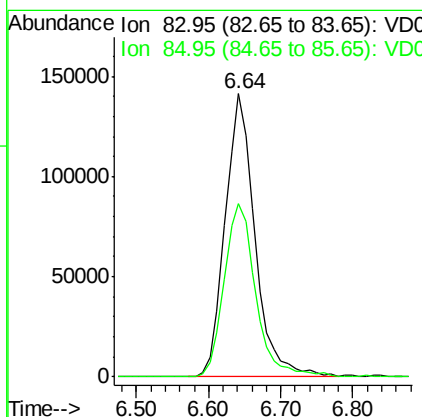
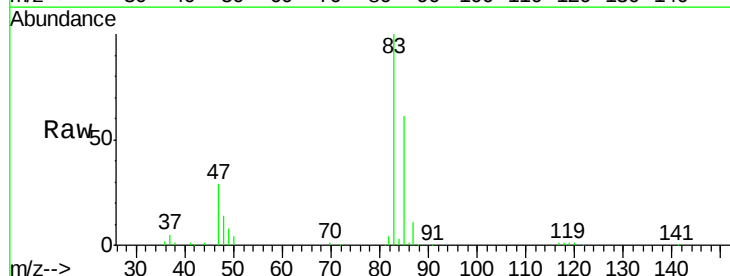
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

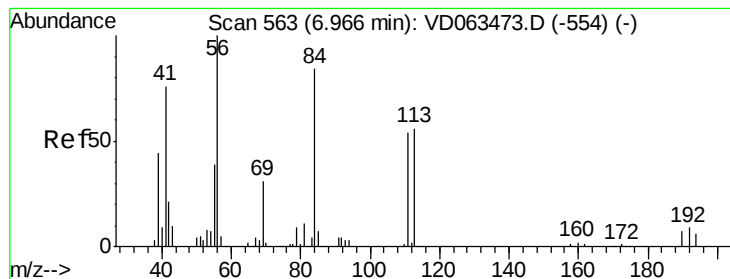
Tot Ion: 42 Resp: 109545  
Ion Ratio Lower Upper  
42 100  
72 41.2 31.5 47.3  
71 42.1 33.8 50.8



#30  
Chloroform  
Concen: 21.079 ug/l  
RT: 6.64 min Scan# 530  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 83 Resp: 404913  
Ion Ratio Lower Upper  
83 100  
85 61.3 54.8 82.2





#31

Cyclohexane

Concen: 22.231 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

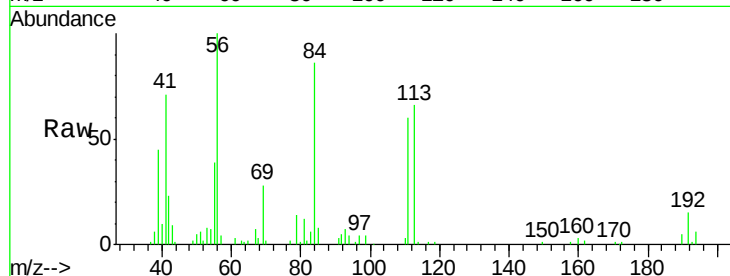
Tot Ion: 56 Resp: 213290

Ion Ratio Lower Upper

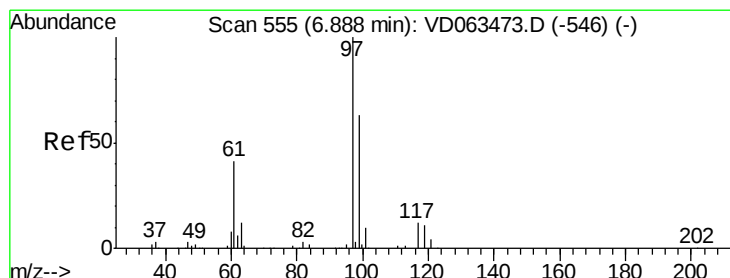
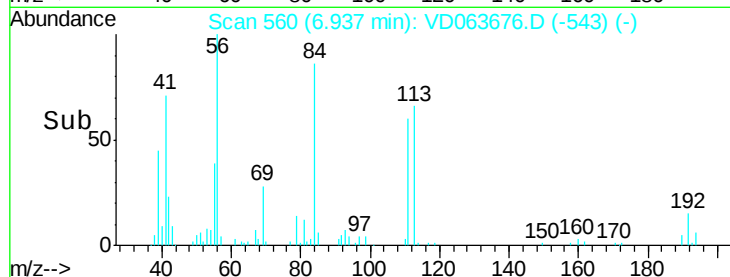
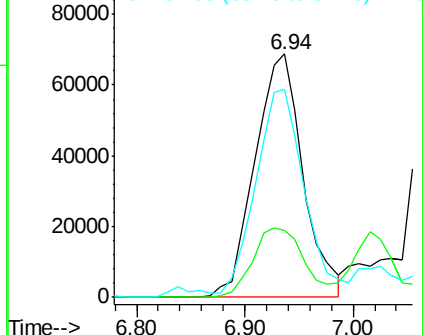
56 100

69 27.6 25.0 37.6

84 85.5 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 22.213 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.05 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

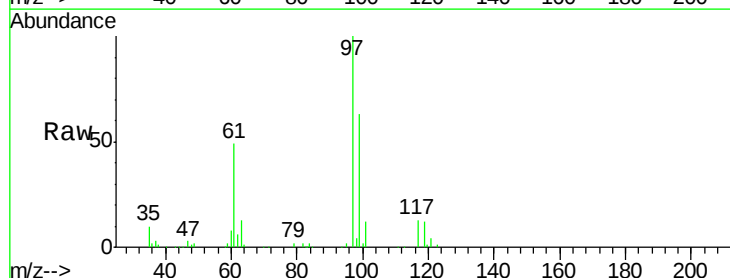
Tgt Ion: 97 Resp: 408178

Ion Ratio Lower Upper

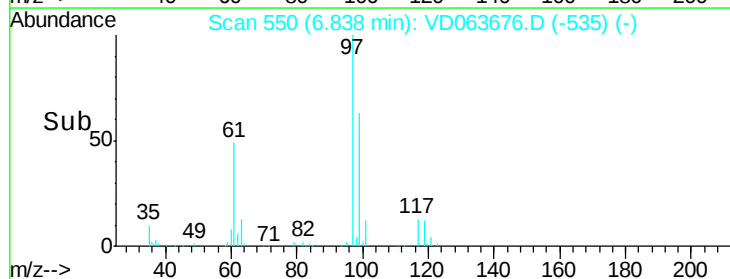
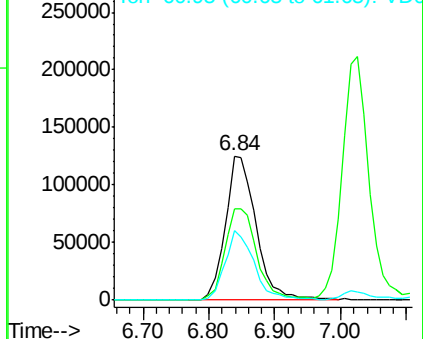
97 100

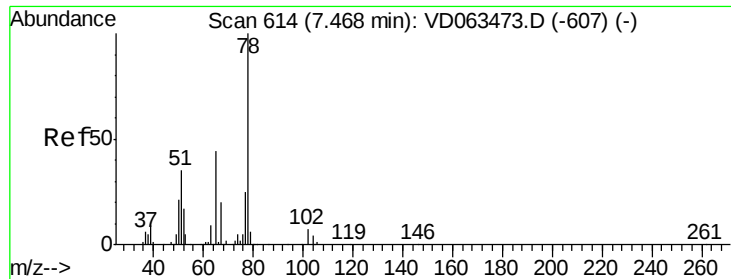
99 63.0 50.2 75.4

61 48.6 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 49.397 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

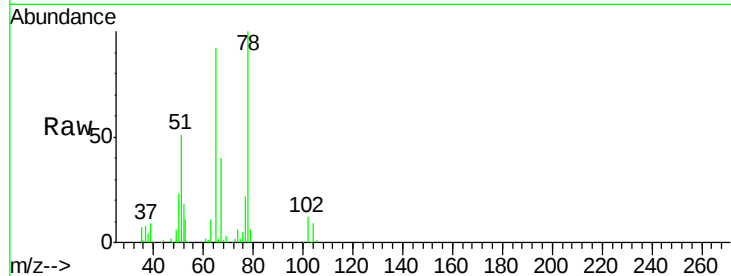
VD0820SBS01

Tot Ion: 65 Resp: 524883

Ion Ratio Lower Upper

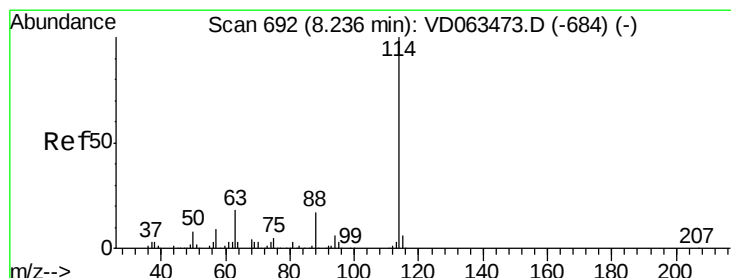
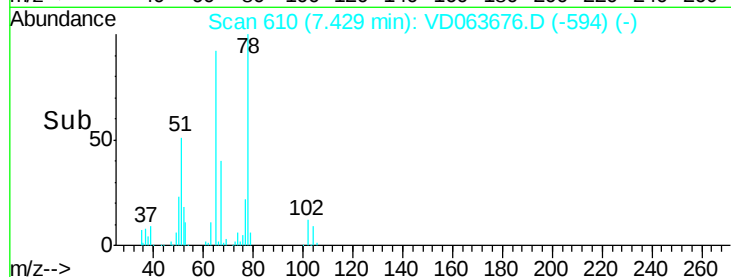
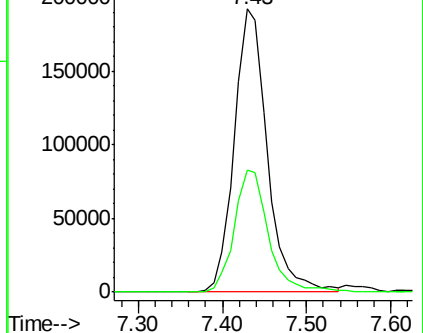
65 100

67 43.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

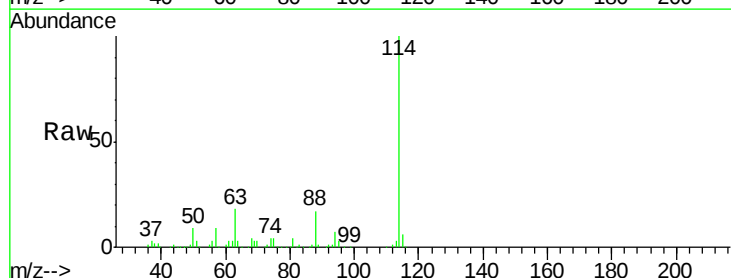
Tgt Ion: 114 Resp: 1359268

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

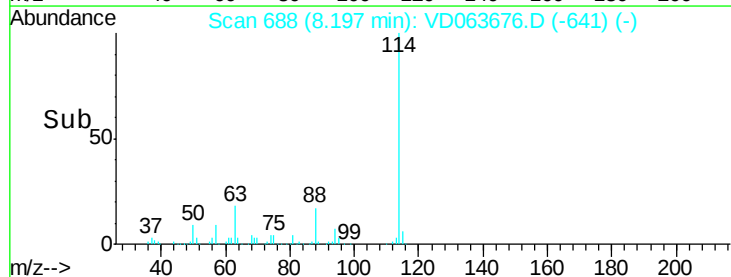
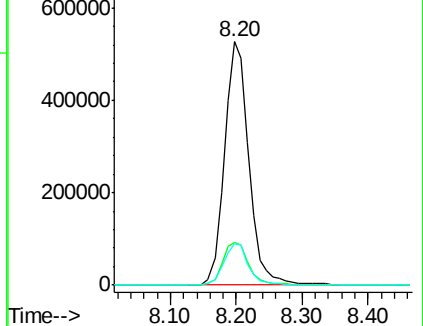
88 17.2 0.0 35.0

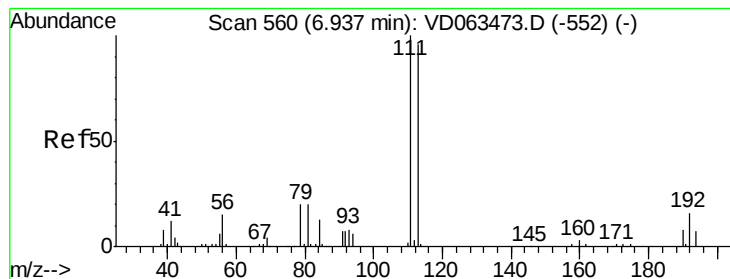


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.001 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

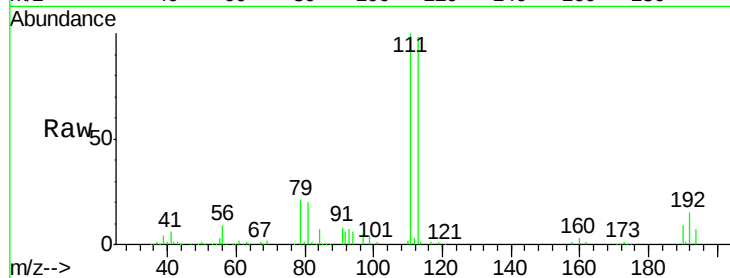
Tot Ion:113 Resp: 629640

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

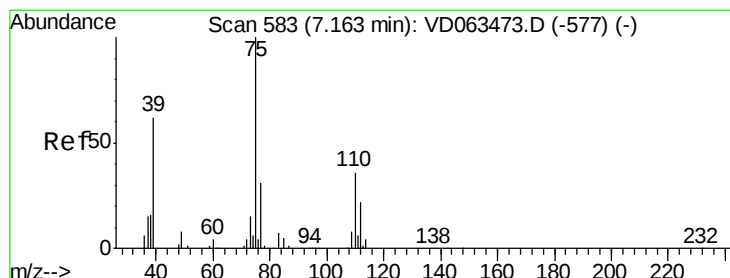
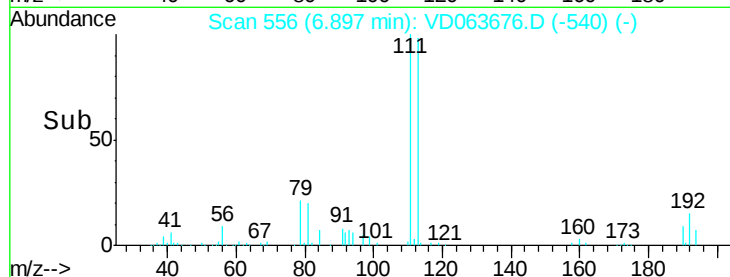
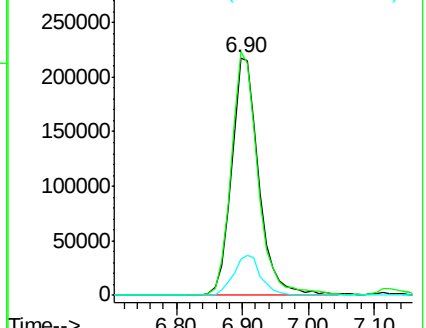
192 15.5 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.577 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

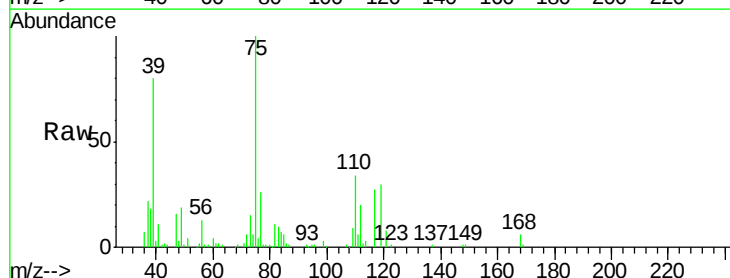
Tgt Ion: 75 Resp: 271288

Ion Ratio Lower Upper

75 100

110 33.6 17.6 52.8

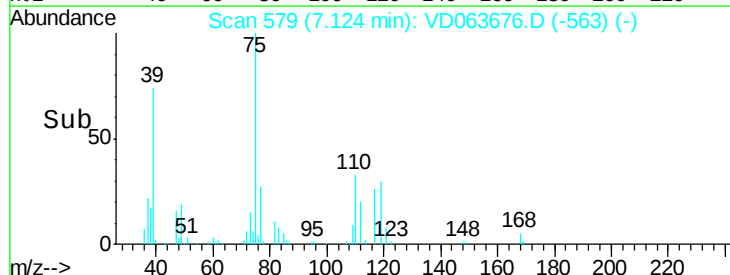
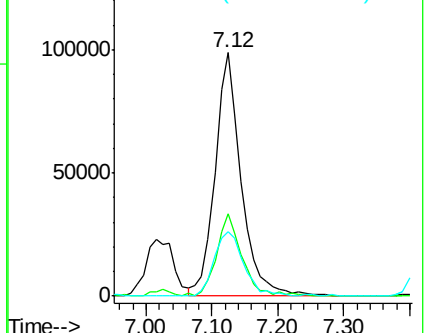
77 26.4 24.3 36.5

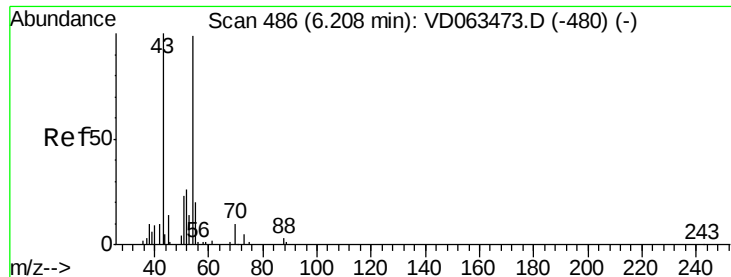


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

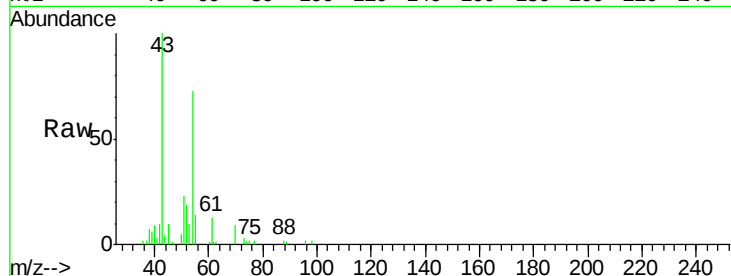




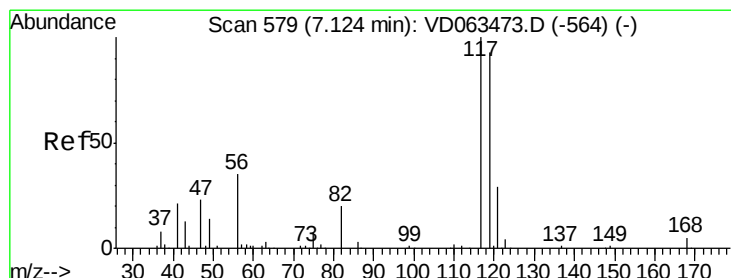
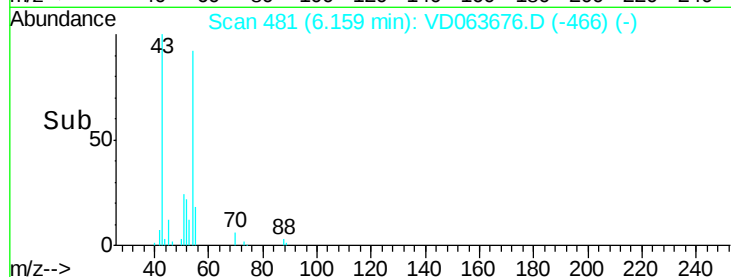
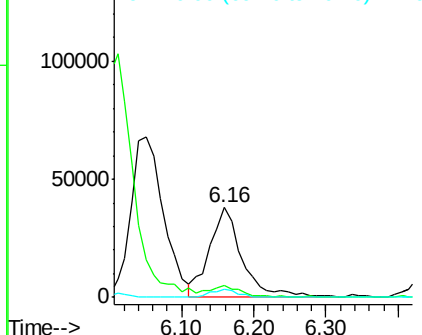
#37  
Ethyl Acetate  
Concen: 22.775 ug/l  
RT: 6.16 min Scan# 481  
Delta R.T. -0.05 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Tot Ion: 43 Resp: 114674  
Ion Ratio Lower Upper  
43 100  
61 12.8 9.0 13.6  
70 9.1 6.9 10.3

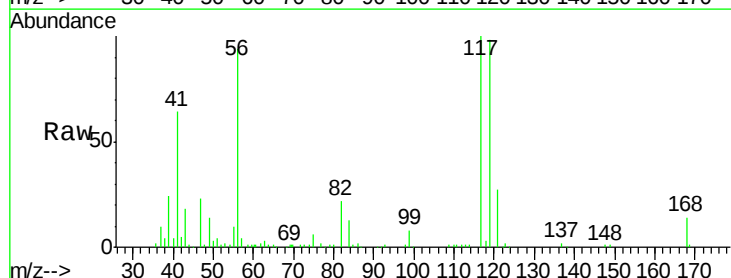


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

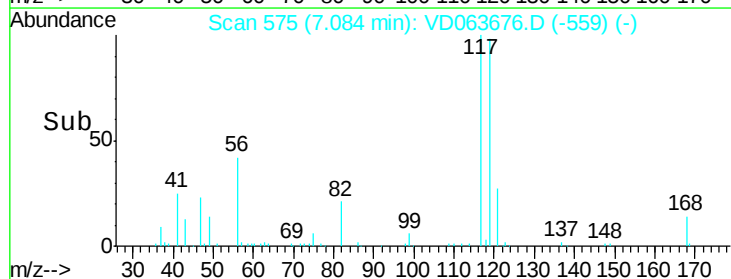
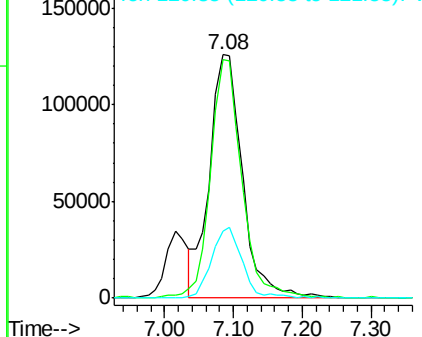


#38  
Carbon Tetrachloride  
Concen: 23.018 ug/l  
RT: 7.08 min Scan# 575  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 117 Resp: 416847  
Ion Ratio Lower Upper  
117 100  
119 97.9 74.2 111.2  
121 27.4 23.1 34.7



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V

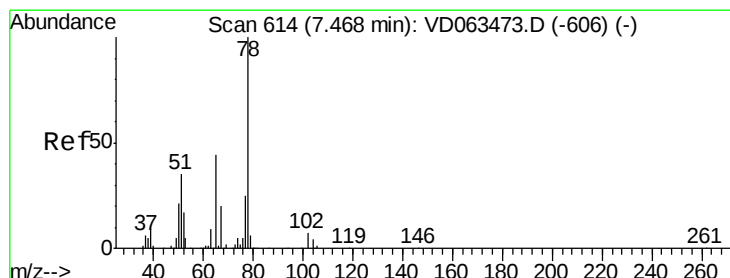
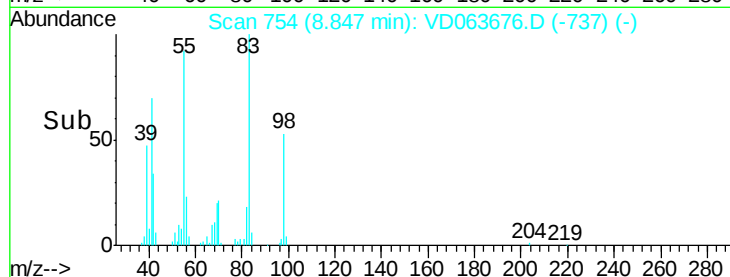
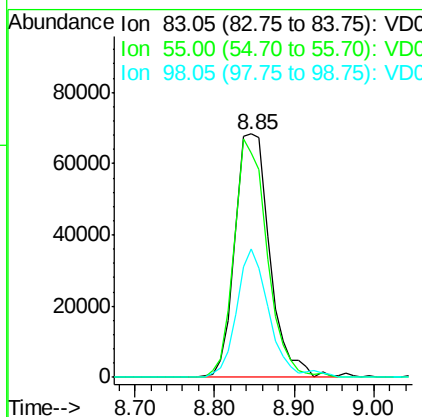
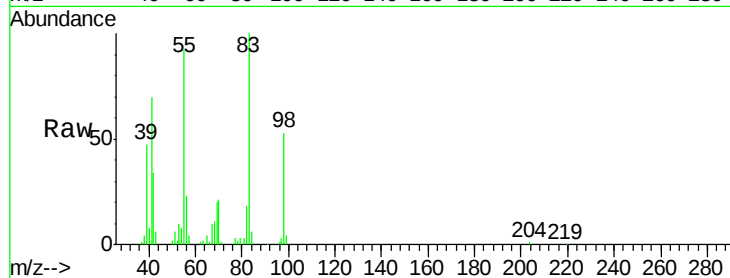




#39  
Methvlcvclohexane  
Concen: 20.317 ug/l  
RT: 8.85 min Scan# 754  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

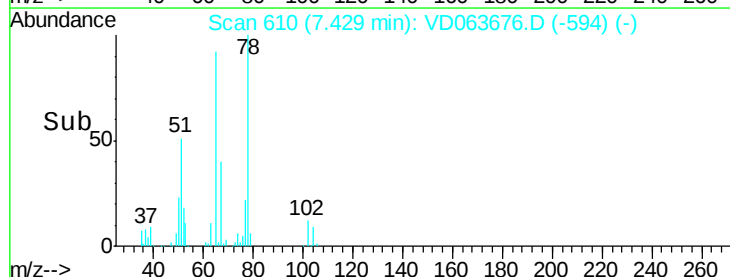
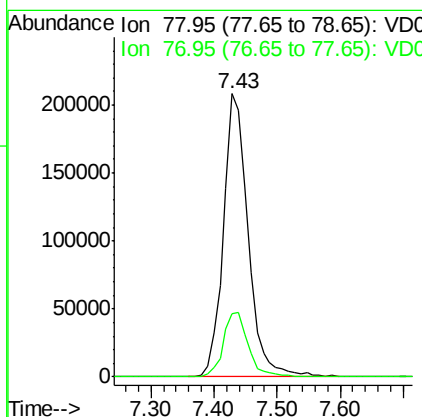
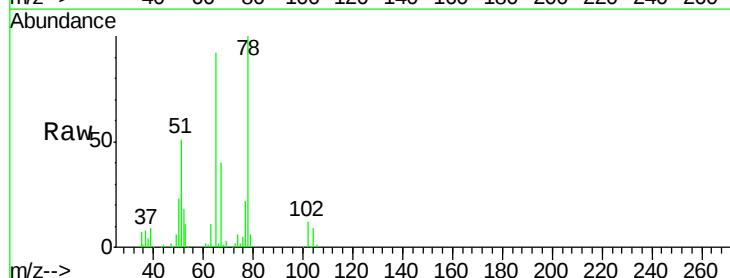
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

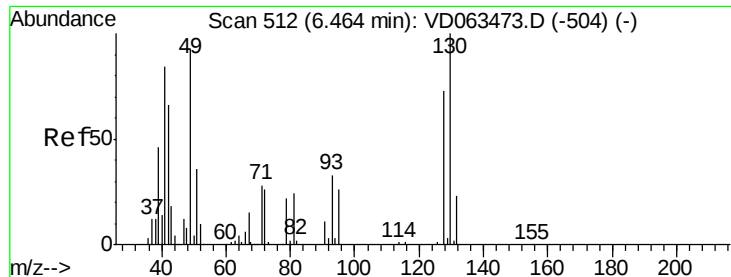
Tot Ion: 83 Resp: 207599  
Ion Ratio Lower Upper  
83 100  
55 92.3 76.6 114.8  
98 52.8 39.4 59.0



#40  
Benzene  
Concen: 21.420 ug/l  
RT: 7.43 min Scan# 610  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 78 Resp: 566423  
Ion Ratio Lower Upper  
78 100  
77 22.2 20.1 30.1

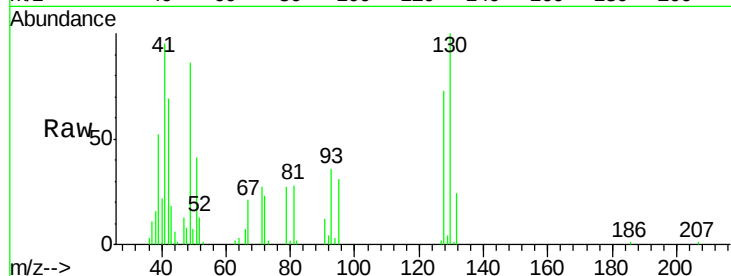




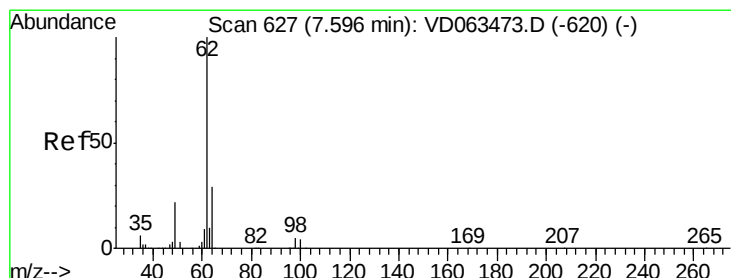
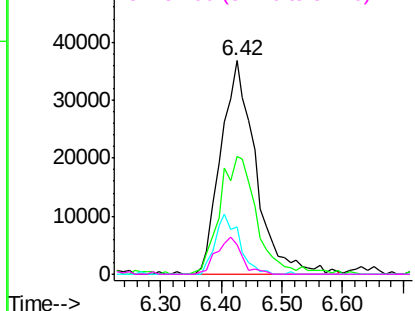
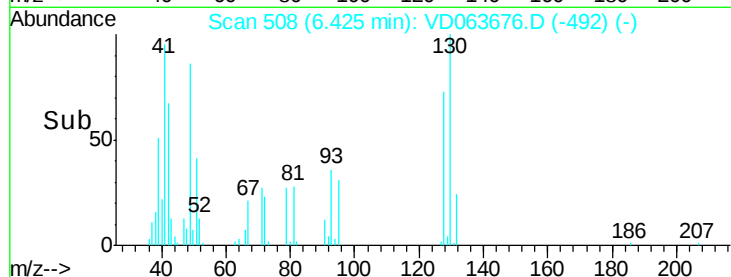
#41  
Methacrylonitrile  
Concen: 23.242 ug/l  
RT: 6.42 min Scan# 508  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Tot Ion: 41 Resp: 147349  
Ion Ratio Lower Upper  
41 100  
39 55.0 44.6 66.8  
67 22.4 14.4 21.6#  
52 13.9 9.3 13.9#

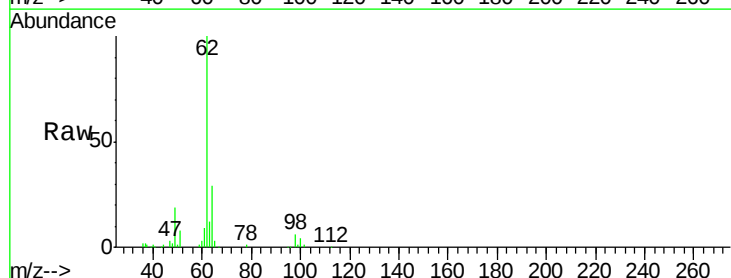


Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 38.95 (38.65 to 39.65): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

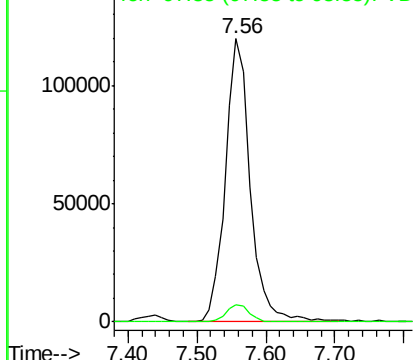
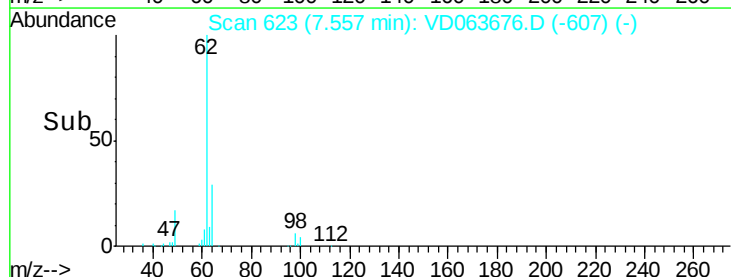


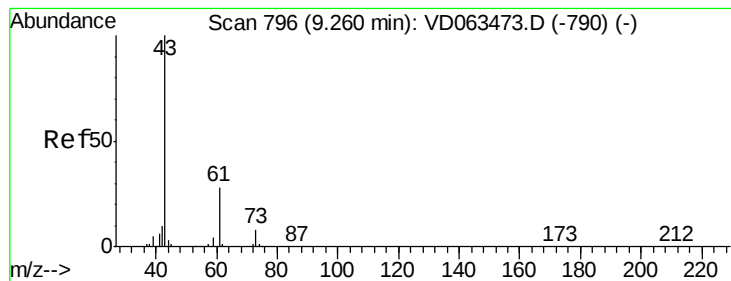
#42  
1,2-Dichloroethane  
Concen: 22.602 ug/l  
RT: 7.56 min Scan# 623  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 62 Resp: 300523  
Ion Ratio Lower Upper  
62 100  
98 6.2 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



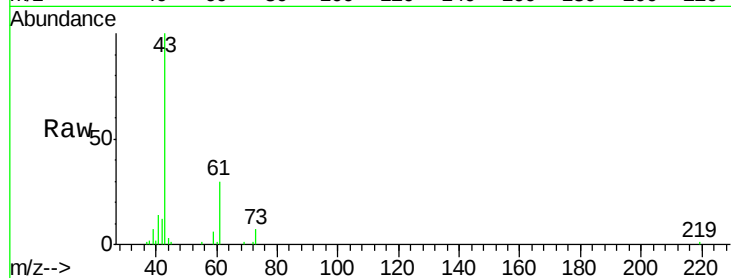


#43

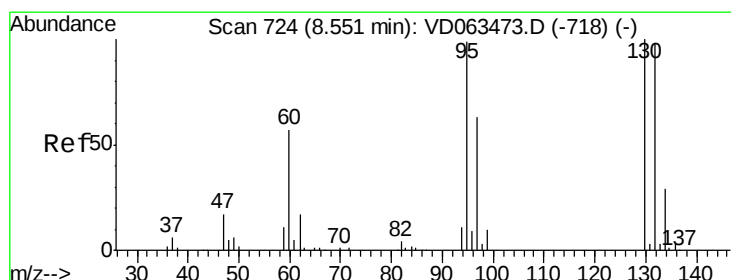
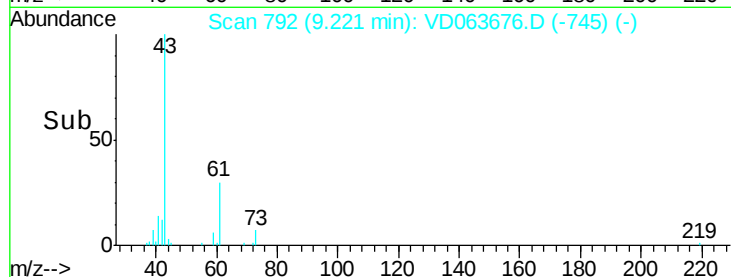
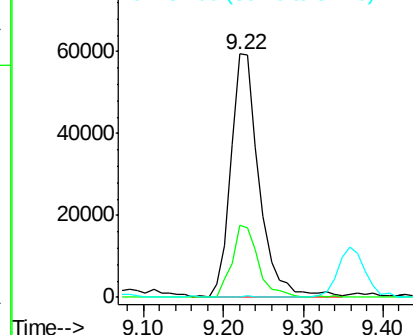
Isopropyl Acetate  
 Concen: 22.159 ug/l  
 RT: 9.22 min Scan# 792  
 Delta R.T. -0.04 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Tot Ion: 43 Resp: 149433  
 Ion Ratio Lower Upper  
 43 100  
 61 29.5 22.2 33.2  
 87 0.0 0.2 0.4#



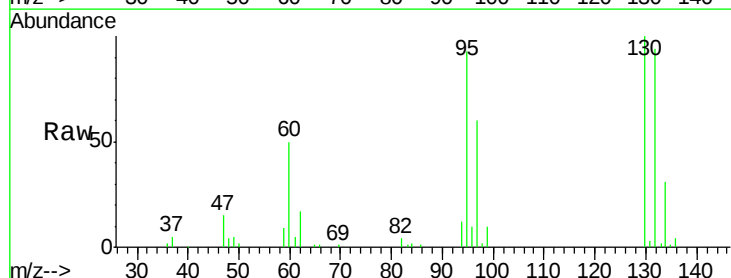
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



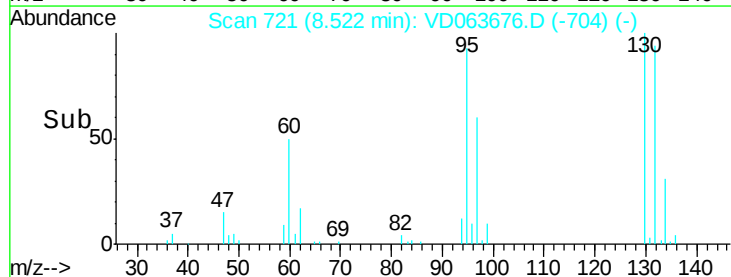
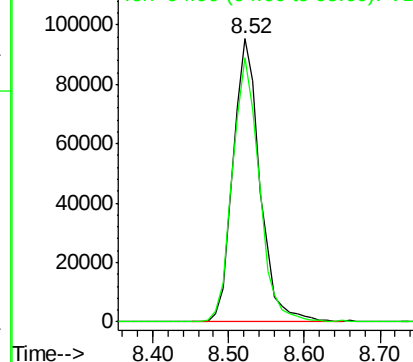
#44

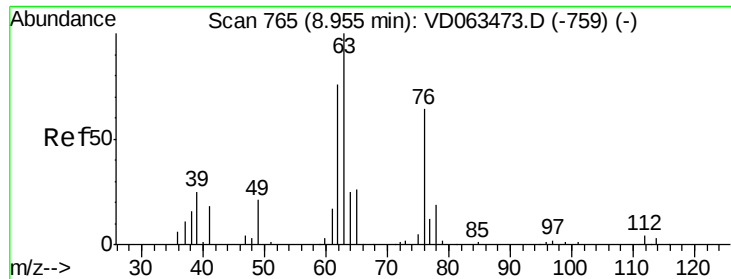
Trichloroethene  
 Concen: 23.034 ug/l  
 RT: 8.52 min Scan# 721  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 130 Resp: 232812  
 Ion Ratio Lower Upper  
 130 100  
 95 93.2 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 23.942 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

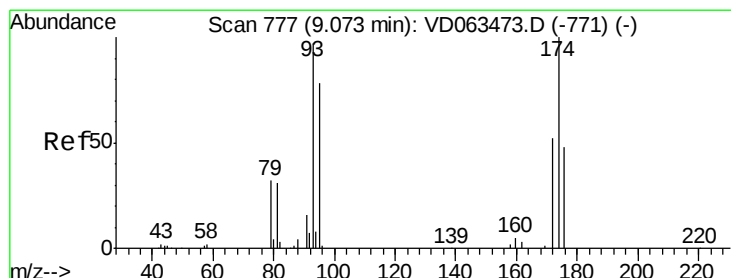
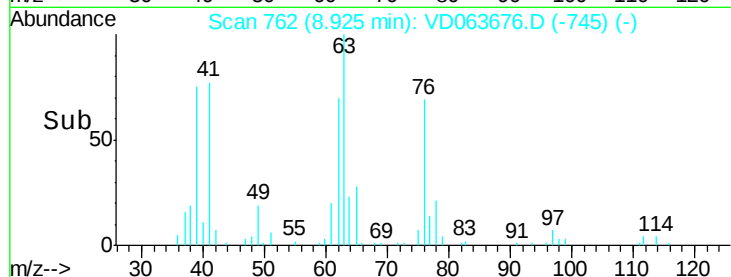
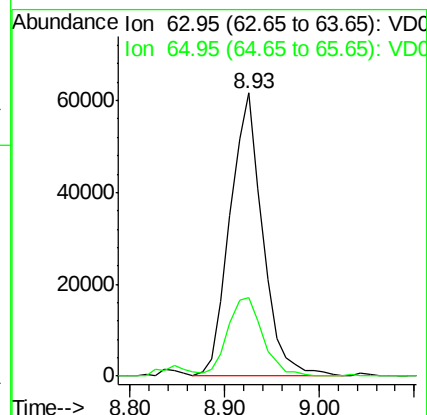
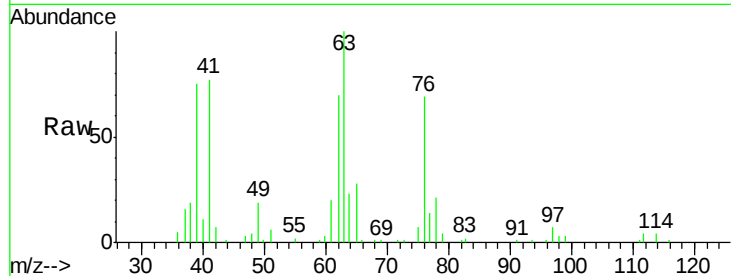
VD0820SBS01

Tot Ion: 63 Resp: 147437

Ion Ratio Lower Upper

63 100

65 27.9 22.5 33.7



#46

Dibromomethane

Concen: 22.663 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

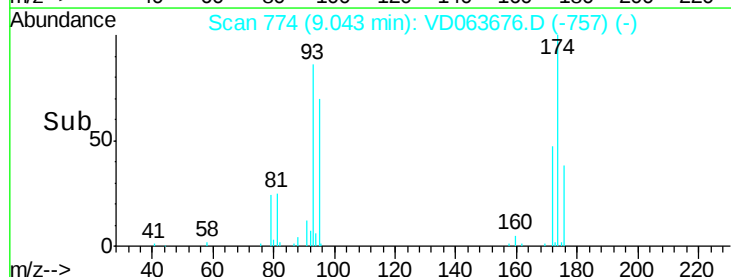
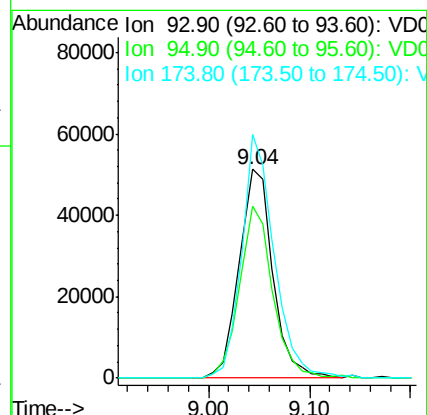
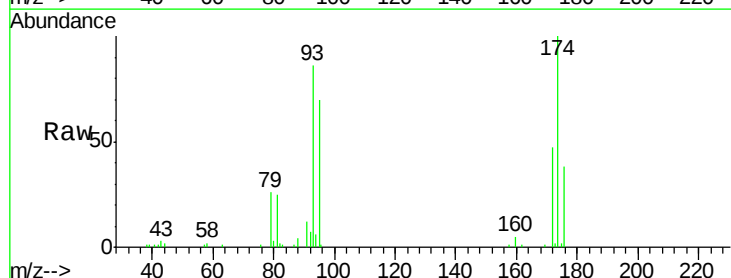
Tgt Ion: 93 Resp: 119184

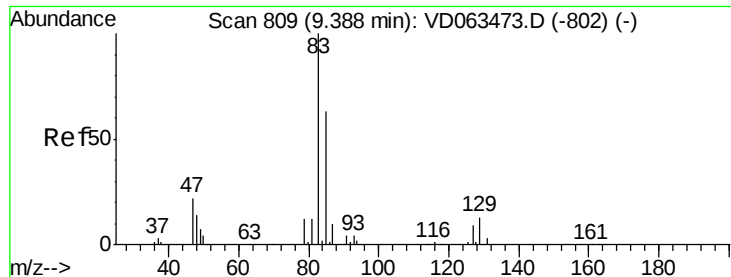
Ion Ratio Lower Upper

93 100

95 82.2 64.2 96.2

174 116.6 82.1 123.1





#47

Bromodichloromethane

Concen: 22.535 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

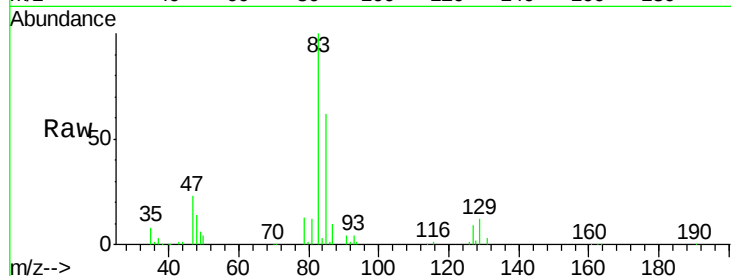
Tot Ion: 83 Resp: 303982

Ion Ratio Lower Upper

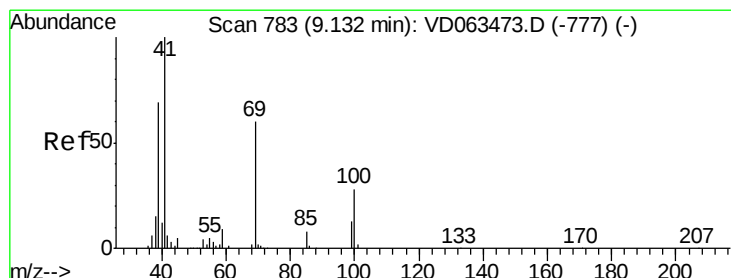
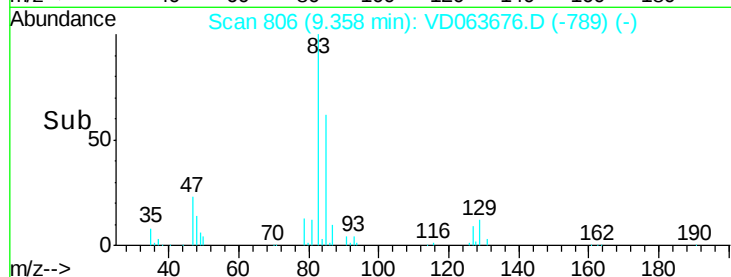
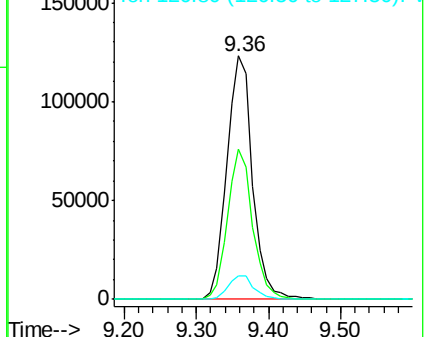
83 100

85 61.7 50.1 75.1

127 9.4 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.843 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

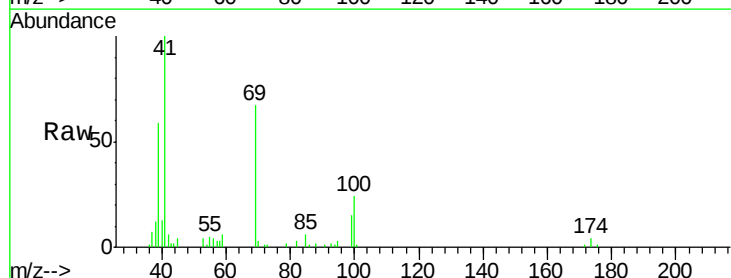
Tgt Ion: 41 Resp: 99896

Ion Ratio Lower Upper

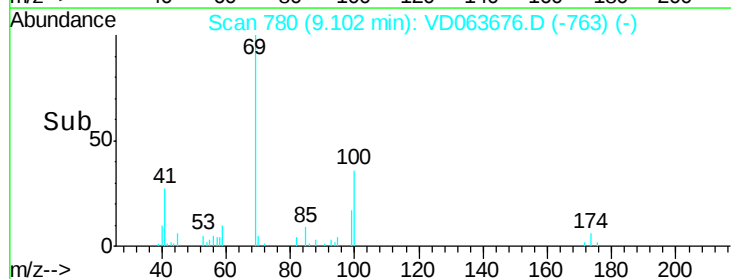
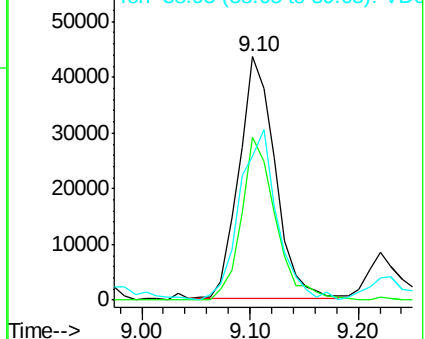
41 100

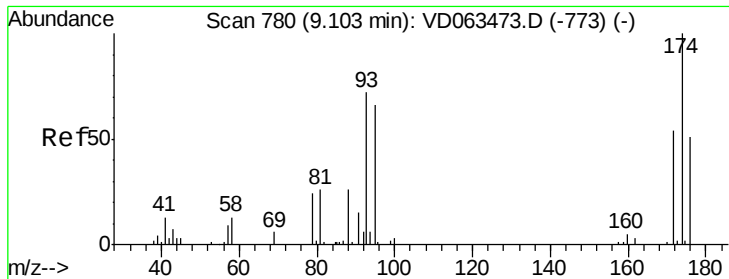
69 67.0 47.6 71.4

39 59.0 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC

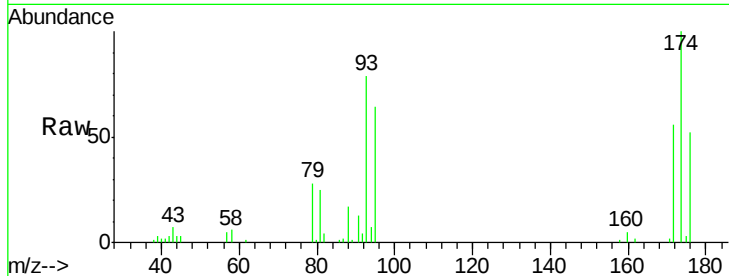




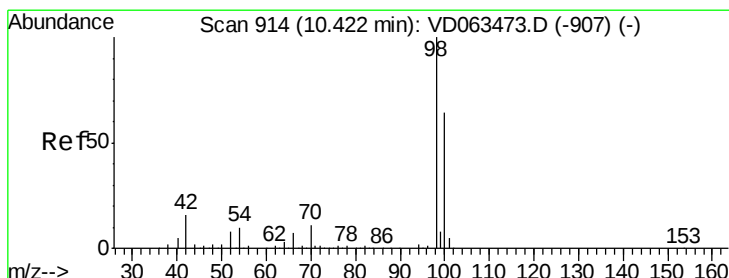
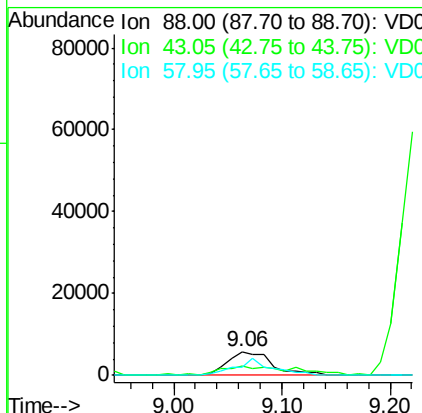
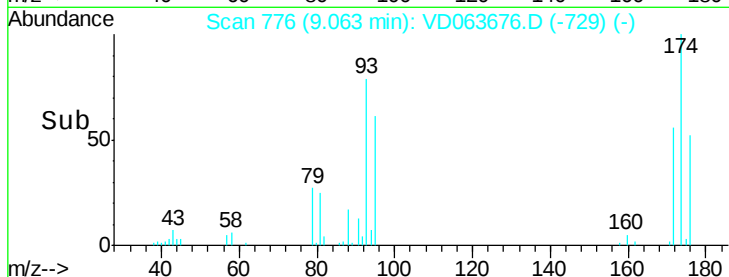
#49  
 1,4-Dioxane  
 Concen: 427.786 ug/l  
 RT: 9.06 min Scan# 776  
 Delta R.T. -0.04 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Tot Ion: 88 Resp: 16878  
 Ion Ratio Lower Upper  
 88 100  
 43 39.7 22.9 34.3#  
 58 36.7 40.1 60.1#

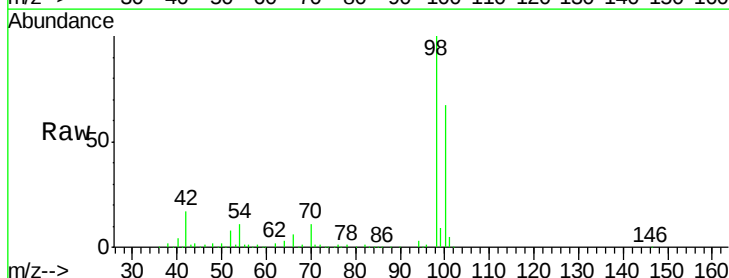


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

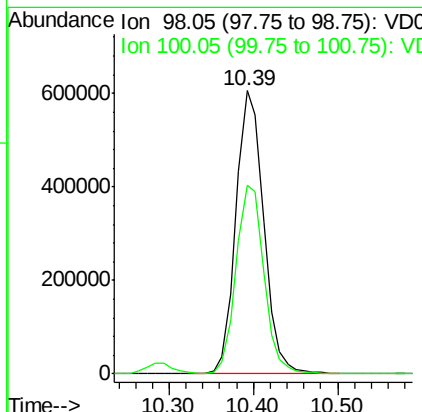
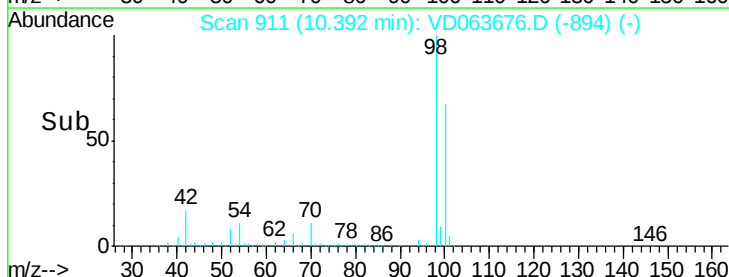


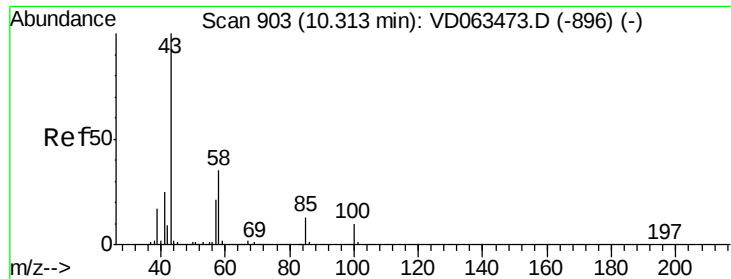
#50  
 Toluene-d8  
 Concen: 55.290 ug/l  
 RT: 10.39 min Scan# 911  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 98 Resp: 1391561  
 Ion Ratio Lower Upper  
 98 100  
 100 66.5 51.7 77.5



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

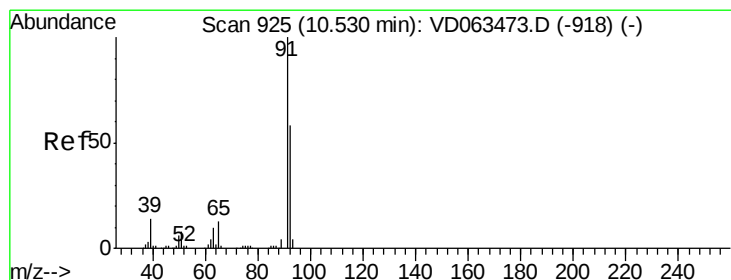
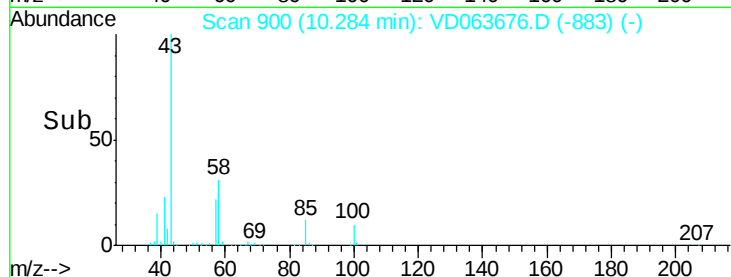
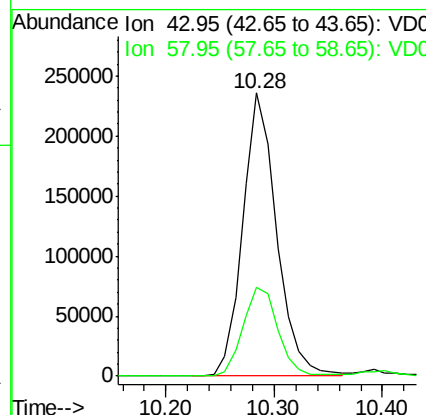
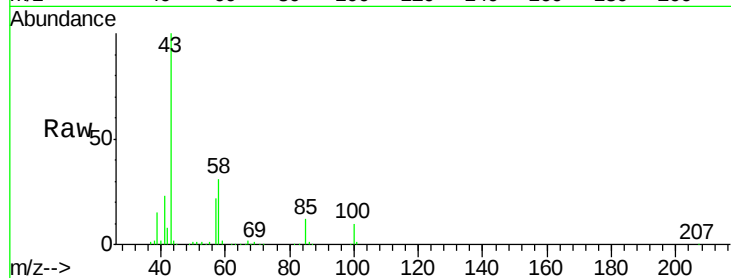




#51  
 4-Methyl-2-Pentanone  
 Concen: 111.278 ug/l  
 RT: 10.28 min Scan# 900  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

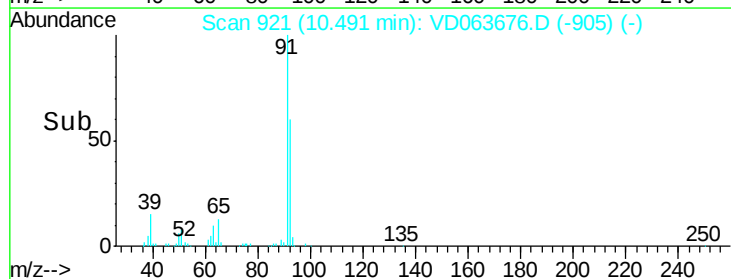
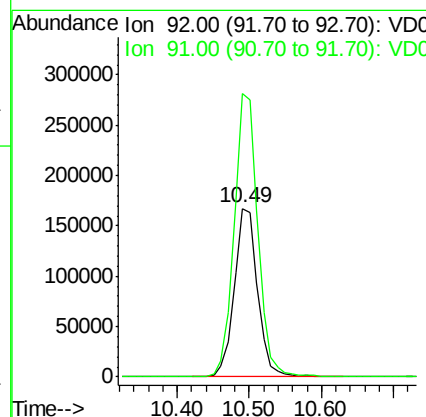
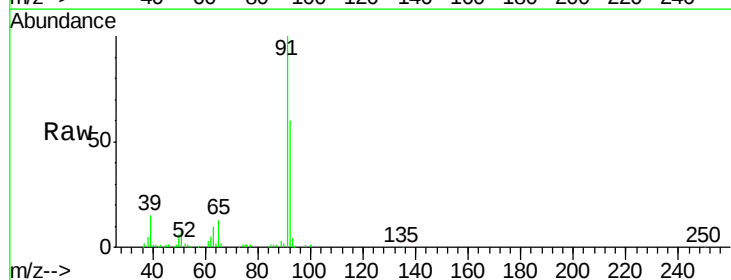
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

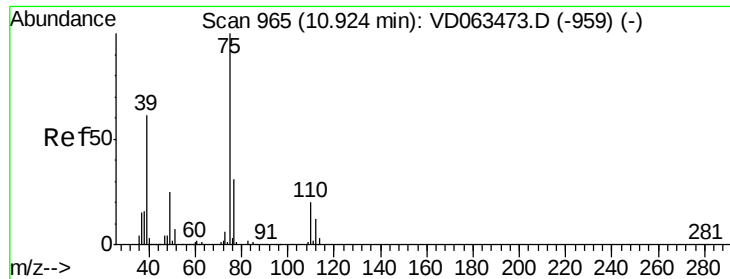
Tot Ion: 43 Resp: 513497  
 Ion Ratio Lower Upper  
 43 100  
 58 31.4 28.0 42.0



#52  
 Toluene  
 Concen: 22.043 ug/l  
 RT: 10.49 min Scan# 921  
 Delta R.T. -0.04 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 92 Resp: 375447  
 Ion Ratio Lower Upper  
 92 100  
 91 167.7 137.9 206.9

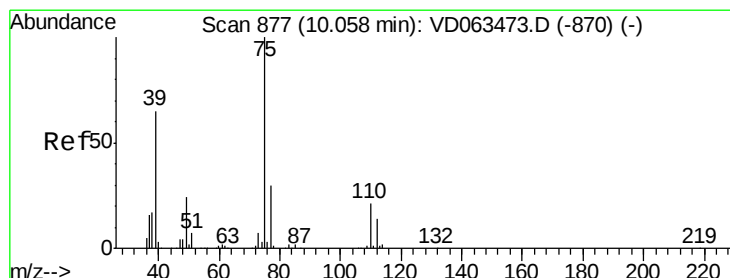
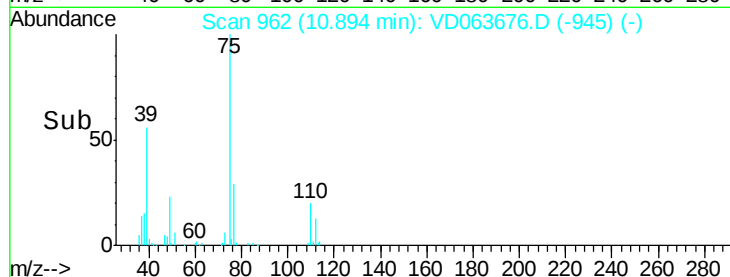
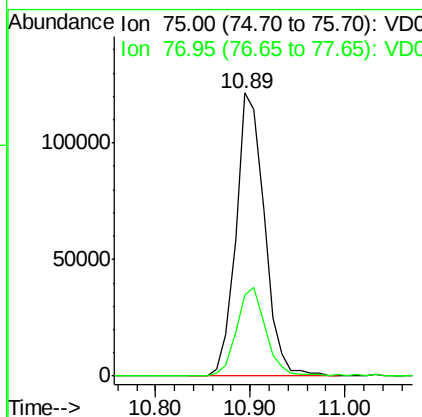
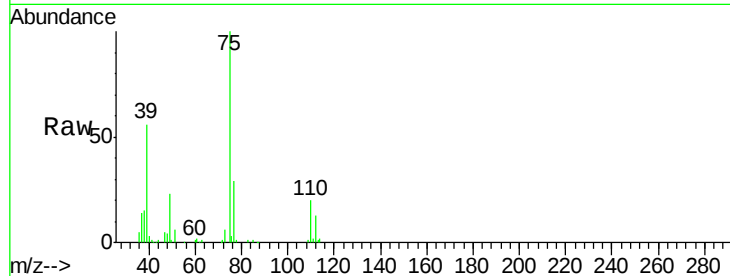




#53  
 t-1,3-Dichloropropene  
 Concen: 23.019 ug/l  
 RT: 10.89 min Scan# 962  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

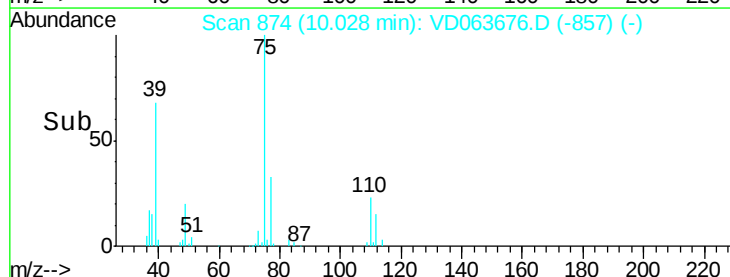
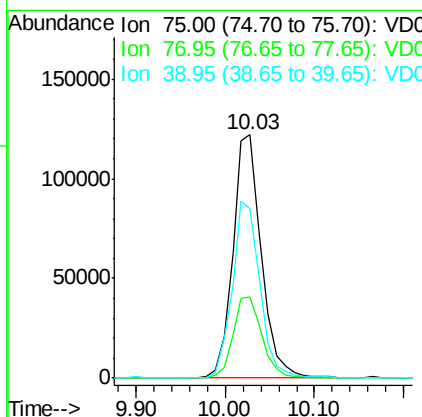
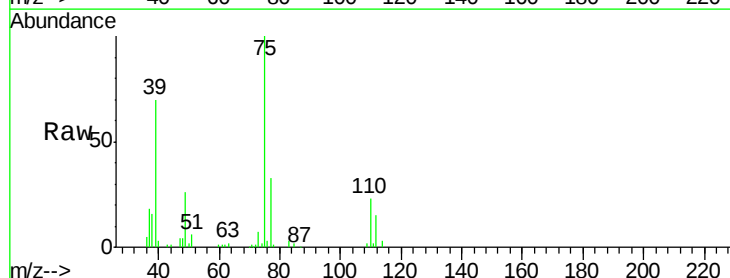
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

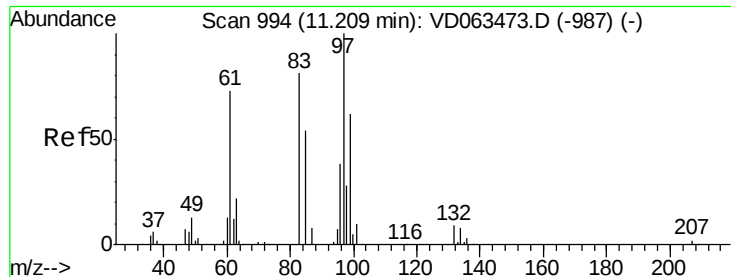
Tot Ion: 75 Resp: 253414  
 Ion Ratio Lower Upper  
 75 100  
 77 28.6 24.5 36.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.857 ug/l  
 RT: 10.03 min Scan# 874  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 75 Resp: 271317  
 Ion Ratio Lower Upper  
 75 100  
 77 33.4 23.7 35.5  
 39 69.5 52.2 78.4

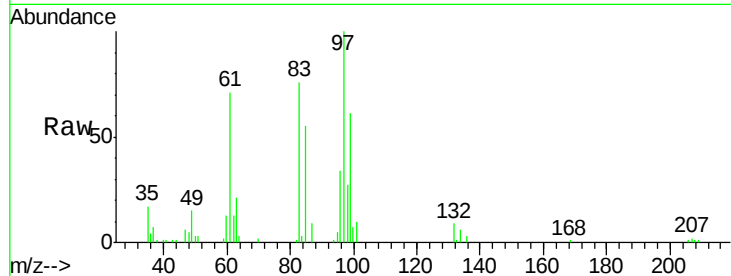




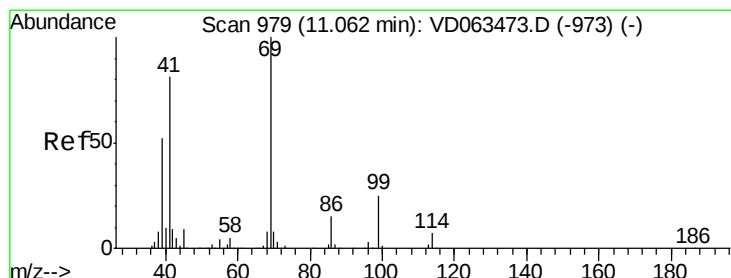
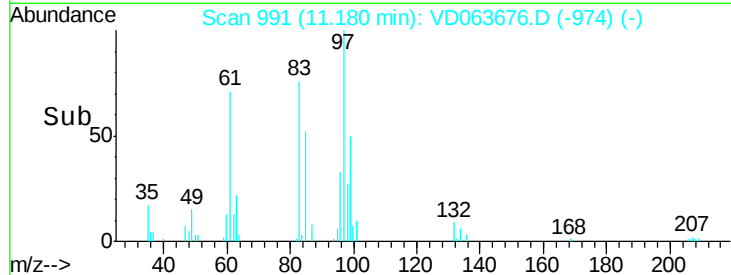
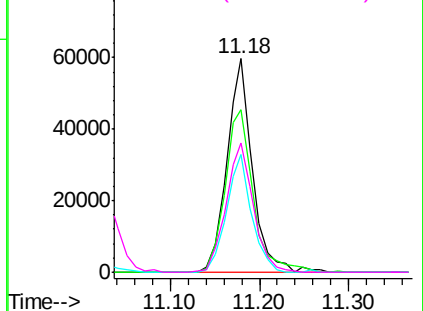
#55  
 1,1,2-Trichloroethane  
 Concen: 20.776 ug/l  
 RT: 11.18 min Scan# 991  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 119531 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 75.9  | 64.7  | 97.1   |
| 85       | 55.0  | 42.9  | 64.3   |
| 99       | 60.8  | 49.7  | 74.5   |

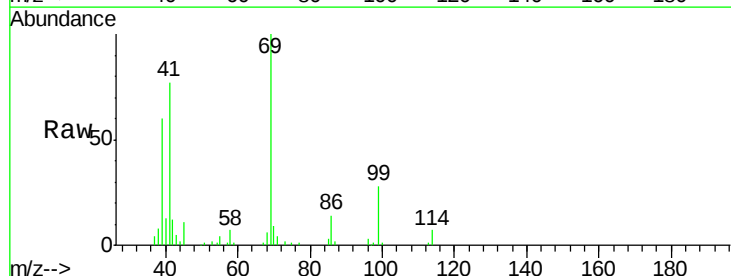


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

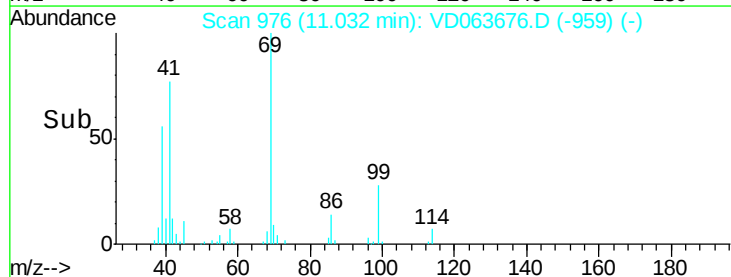
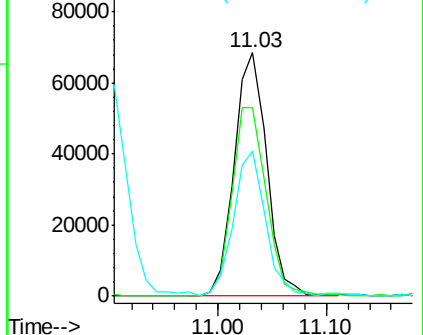


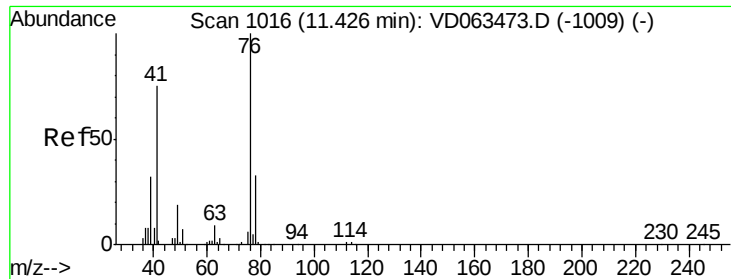
#56  
 Ethyl methacrylate  
 Concen: 22.889 ug/l  
 RT: 11.03 min Scan# 976  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 142932 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.3  | 64.8  | 97.2   |
| 39       | 59.6  | 42.4  | 63.6   |



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

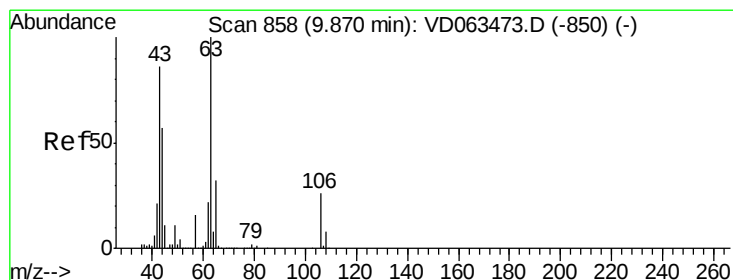
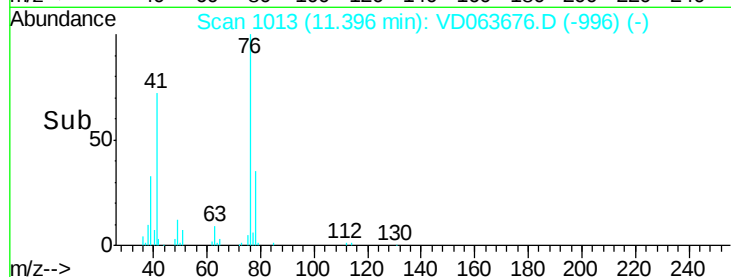
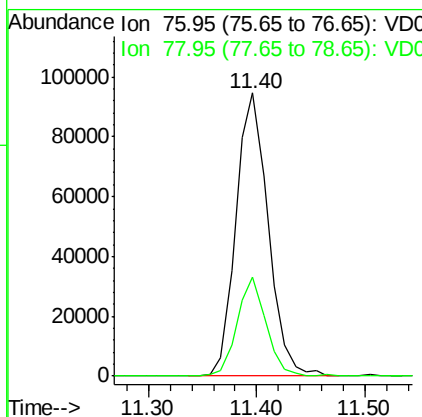
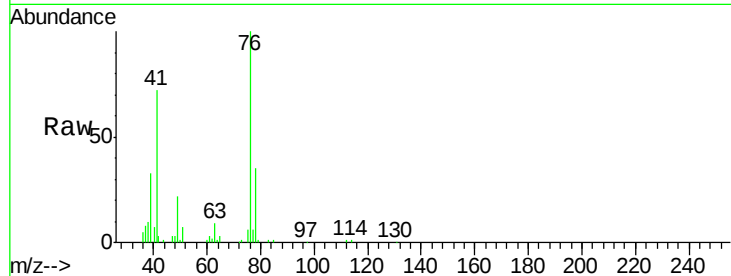




#57  
 1,3-Dichloropropane  
 Concen: 22.488 ug/l  
 RT: 11.40 min Scan# 1013  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

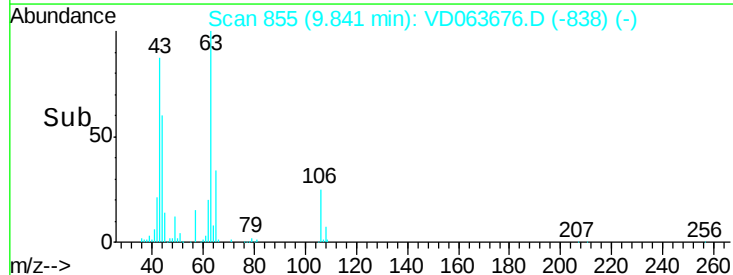
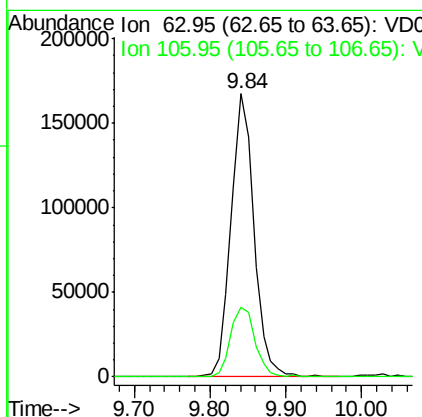
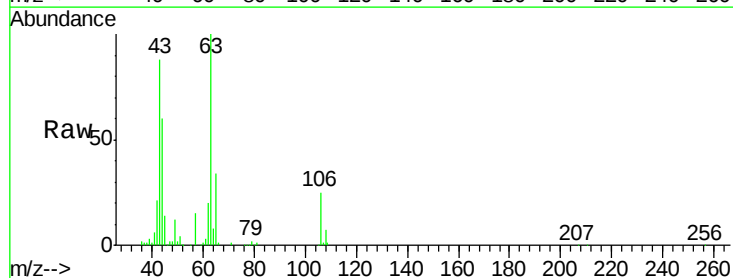
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

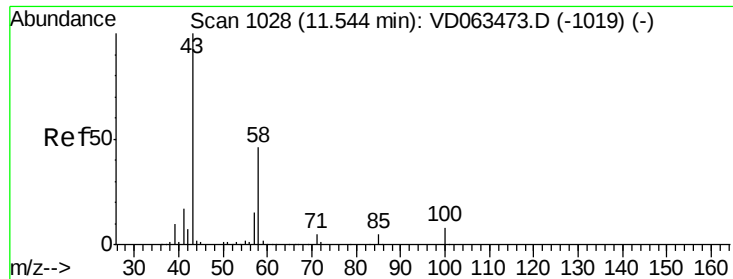
Tot Ion: 76 Resp: 195572  
 Ion Ratio Lower Upper  
 76 100  
 78 35.0 26.3 39.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 106.197 ug/l  
 RT: 9.84 min Scan# 855  
 Delta R.T. -0.03 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 63 Resp: 350107  
 Ion Ratio Lower Upper  
 63 100  
 106 24.6 20.8 31.2

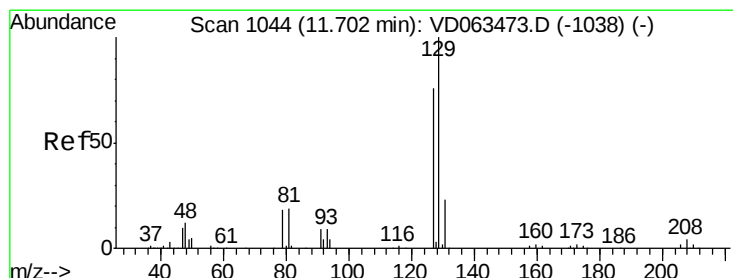
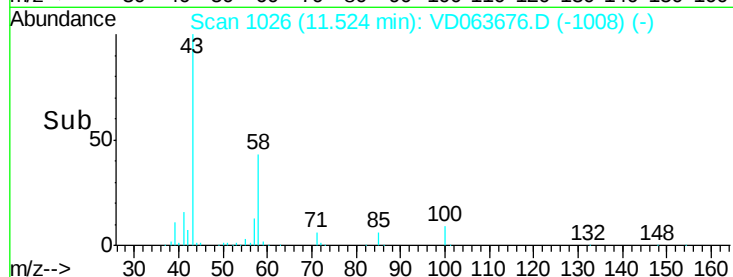
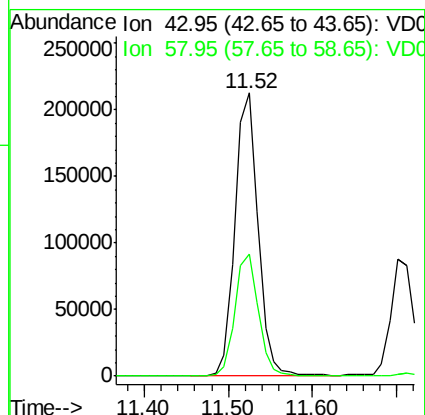
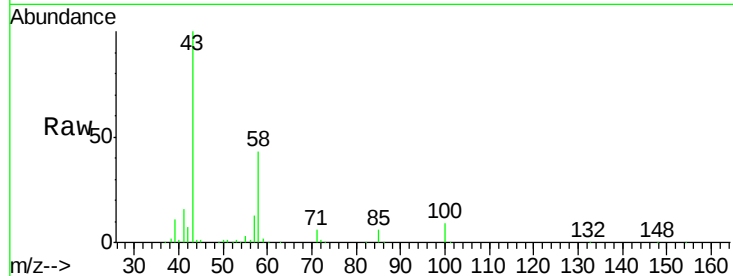




#59  
2-Hexanone  
Concen: 121.420 ug/l  
RT: 11.52 min Scan# 1026  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

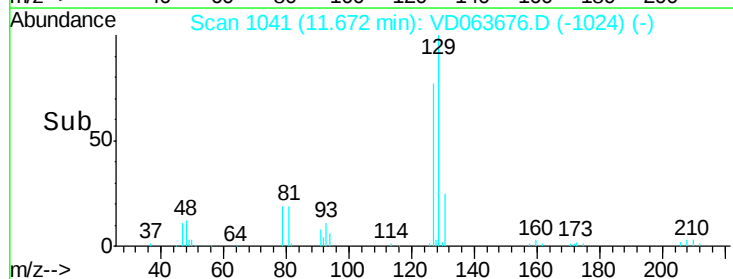
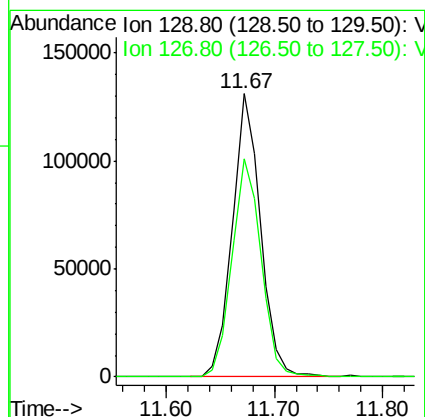
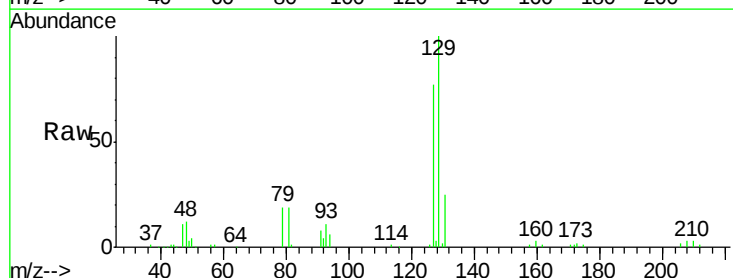
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

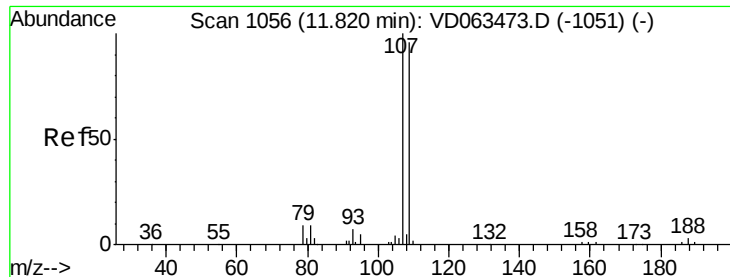
Tot Ion: 43 Resp: 407687  
Ion Ratio Lower Upper  
43 100  
58 42.9 23.1 69.2



#60  
Dibromochloromethane  
Concen: 22.753 ug/l  
RT: 11.67 min Scan# 1041  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 129 Resp: 238205  
Ion Ratio Lower Upper  
129 100  
127 76.8 37.8 113.4

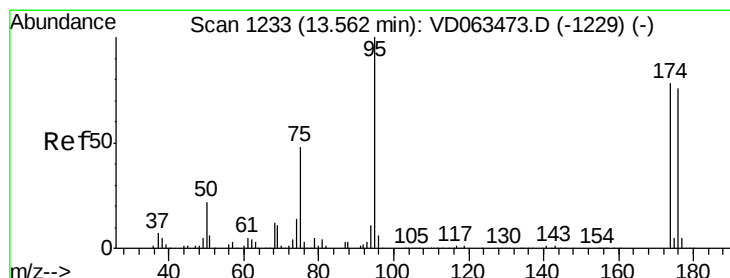
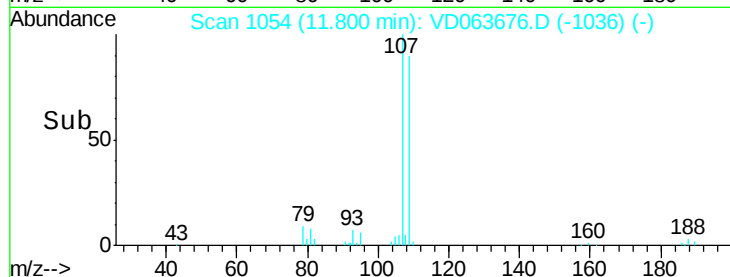
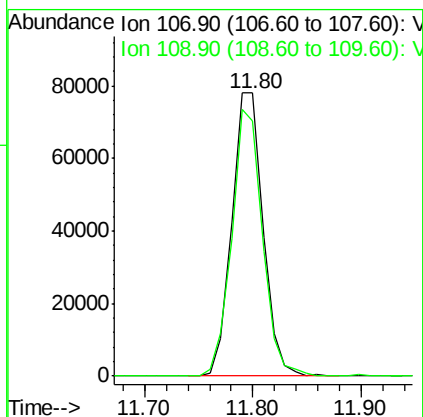
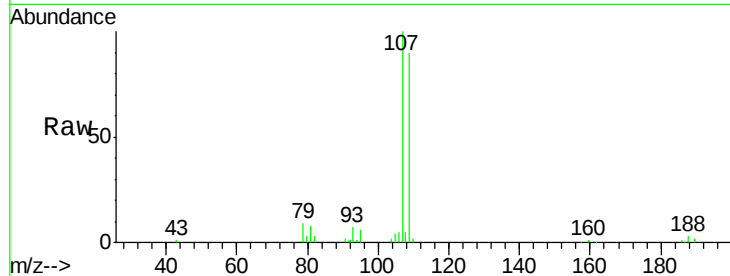




#61  
 1,2-Dibromoethane  
 Concen: 22.436 ug/l  
 RT: 11.80 min Scan# 1054  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

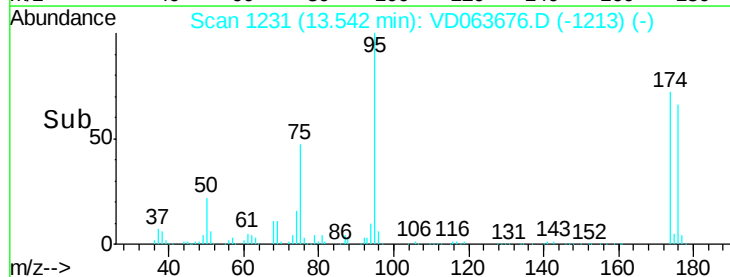
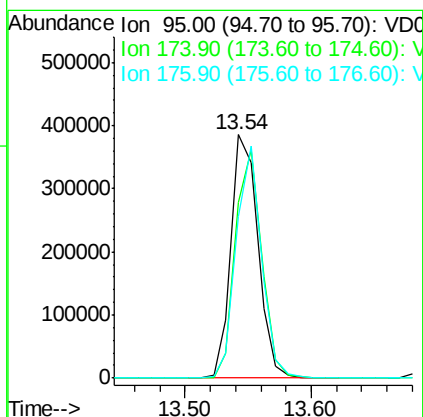
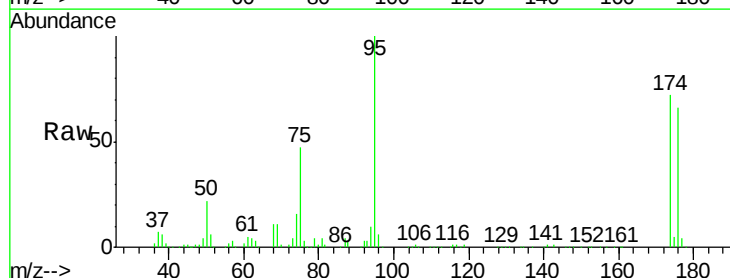
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Tot Ion: 107 Resp: 156263  
 Ion Ratio Lower Upper  
 107 100  
 109 90.3 76.8 115.2



#62  
 4-Bromofluorobenzene  
 Concen: 49.794 ug/l  
 RT: 13.54 min Scan# 1231  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 95 Resp: 568021  
 Ion Ratio Lower Upper  
 95 100  
 174 72.1 0.0 155.4  
 176 66.2 0.0 152.4

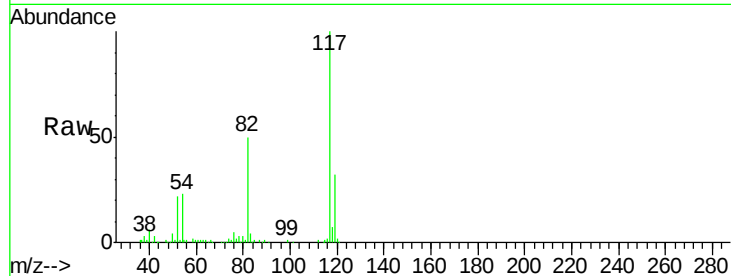




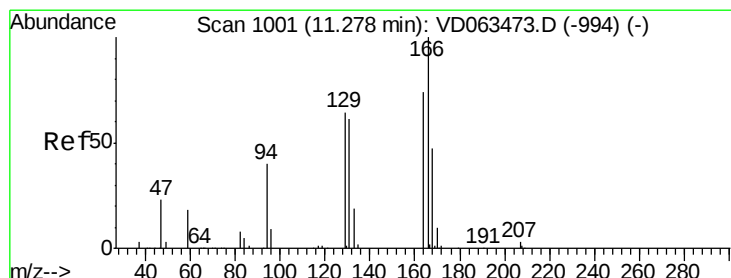
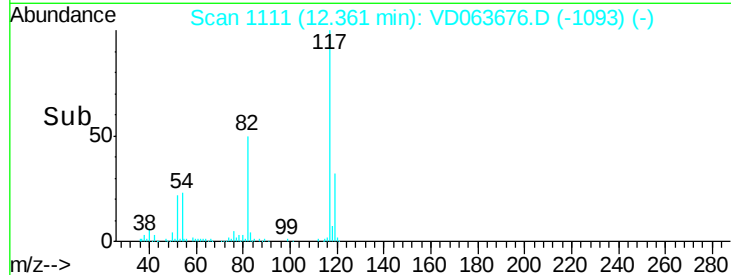
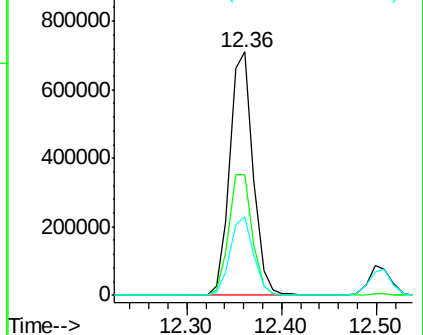
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Tot Ion:117 Resp: 1214279  
Ion Ratio Lower Upper  
117 100  
82 49.6 42.0 63.0  
119 32.3 25.4 38.0

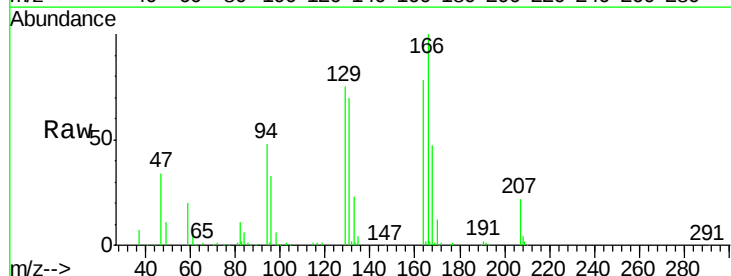


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

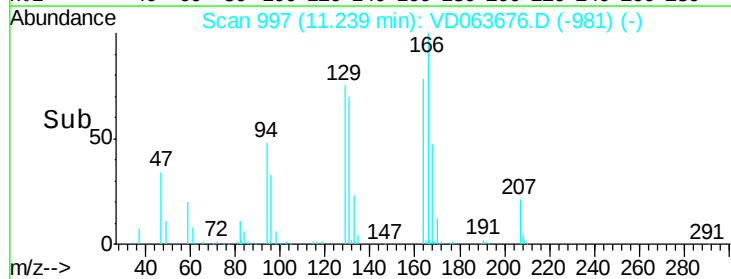
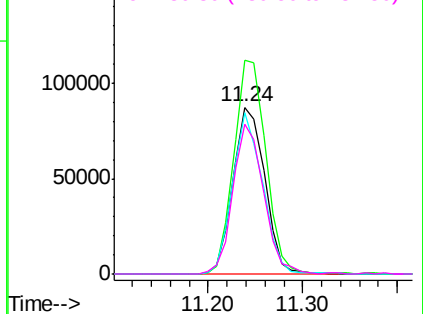


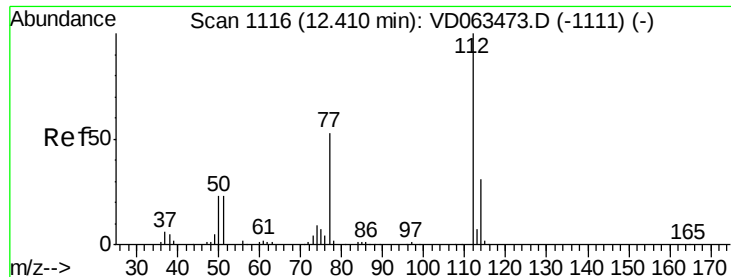
#64  
Tetrachloroethene  
Concen: 21.722 ug/l  
RT: 11.24 min Scan# 997  
Delta R.T. -0.04 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion:164 Resp: 203621  
Ion Ratio Lower Upper  
164 100  
166 127.9 108.6 163.0  
129 96.6 69.0 103.6  
131 89.9 66.6 99.8



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

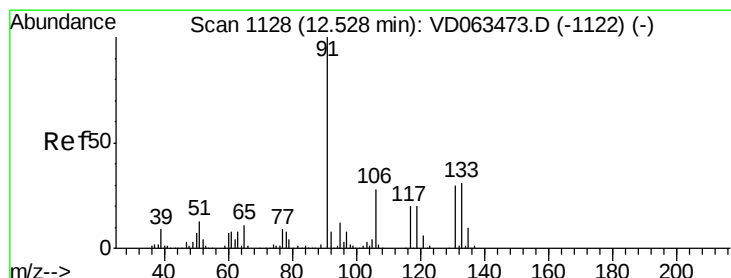
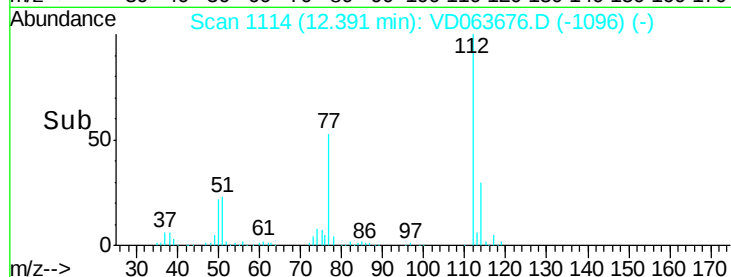
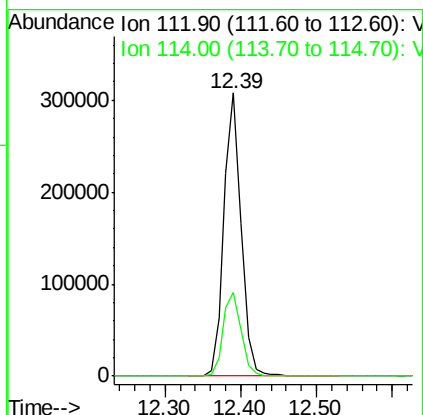
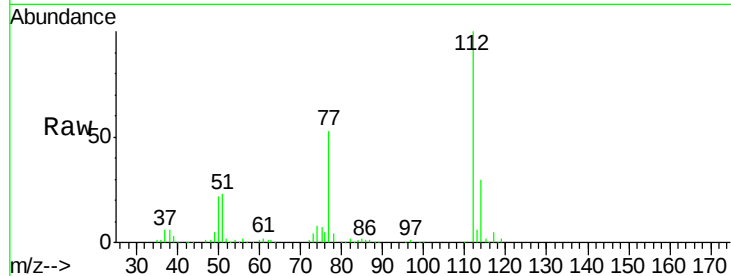




#65  
Chlorobenzene  
Concen: 21.416 ug/l  
RT: 12.39 min Scan# 1114  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

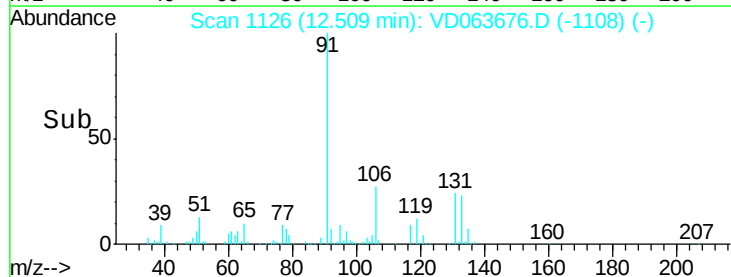
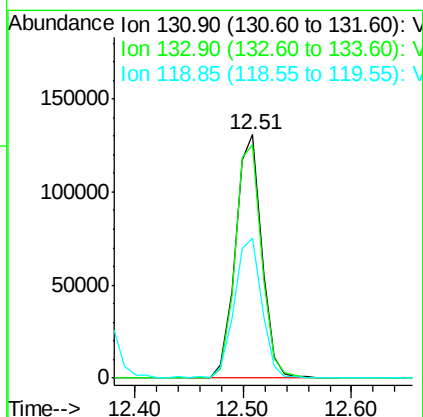
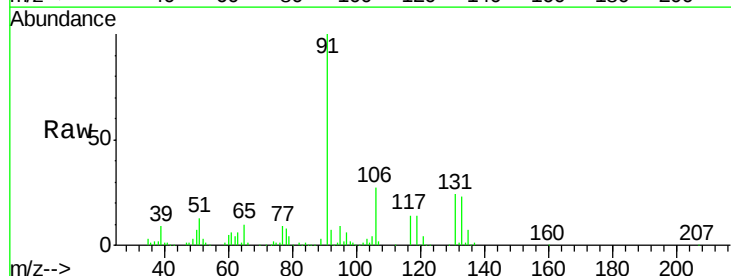
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

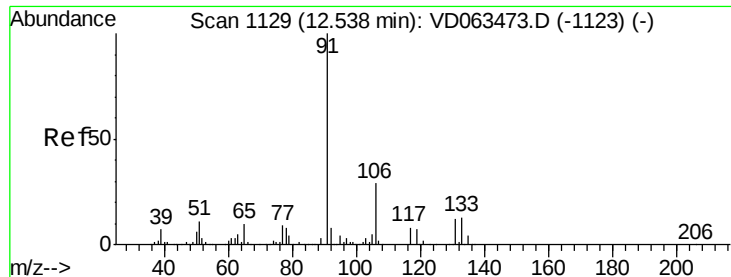
Tot Ion:112 Resp: 487401  
Ion Ratio Lower Upper  
112 100  
114 29.8 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.915 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion:131 Resp: 219498  
Ion Ratio Lower Upper  
131 100  
133 95.8 51.1 153.3  
119 57.4 33.1 99.3

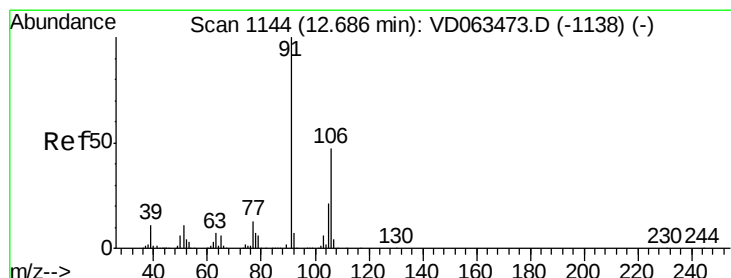
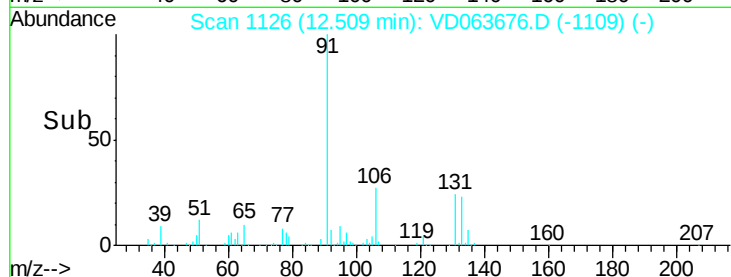
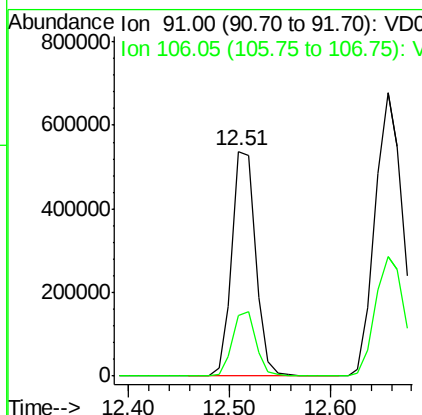
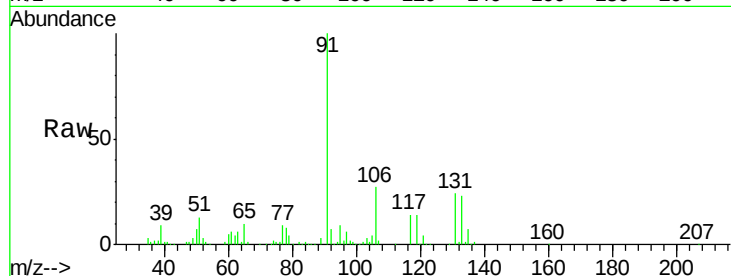




#67  
Ethyl Benzene  
Concen: 22.239 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

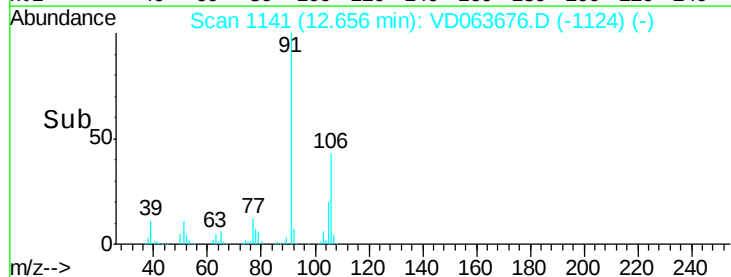
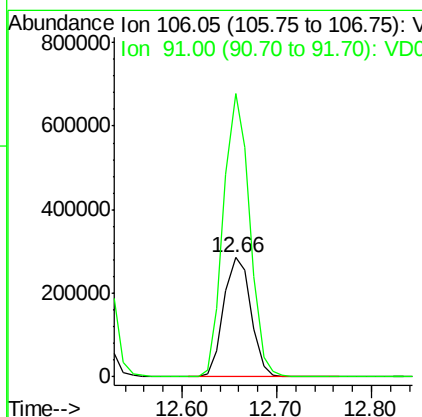
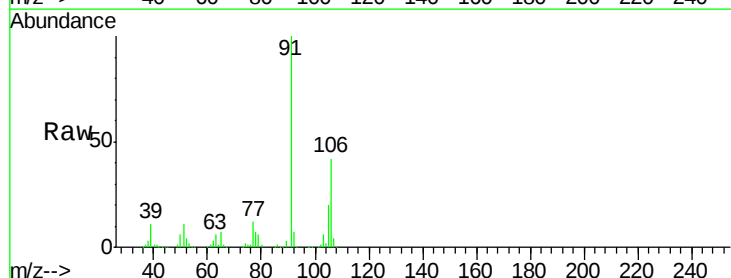
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

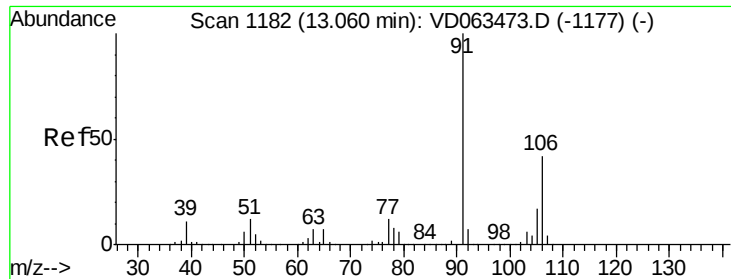
Tot Ion: 91 Resp: 880031  
Ion Ratio Lower Upper  
91 100  
106 27.0 23.1 34.7



#68  
m/p-Xylenes  
Concen: 41.210 ug/l  
RT: 12.66 min Scan# 1141  
Delta R.T. -0.03 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion: 106 Resp: 572928  
Ion Ratio Lower Upper  
106 100  
91 238.0 171.8 257.8

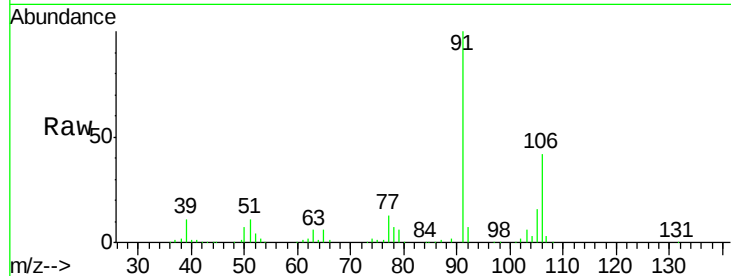




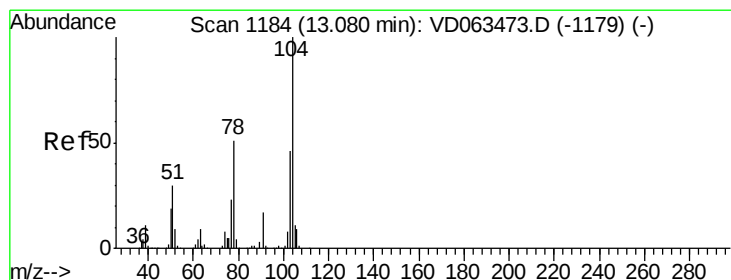
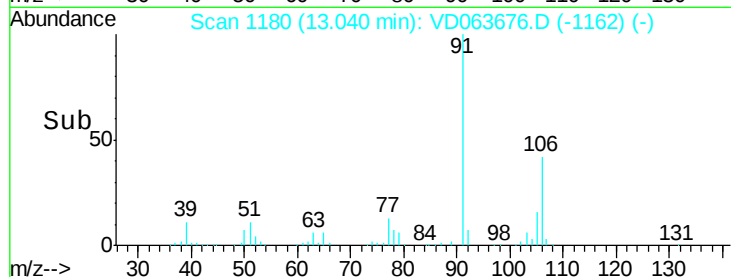
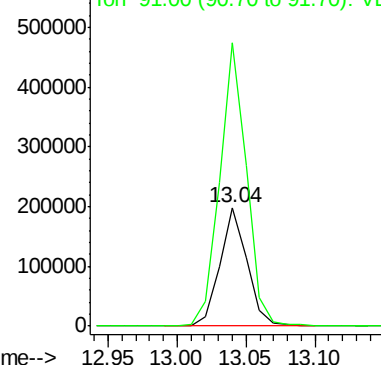
#69  
o-Xylene  
Concen: 20.383 ug/l  
RT: 13.04 min Scan# 1180  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Tot Ion:106 Resp: 272743  
Ion Ratio Lower Upper  
106 100  
91 239.2 118.1 354.2

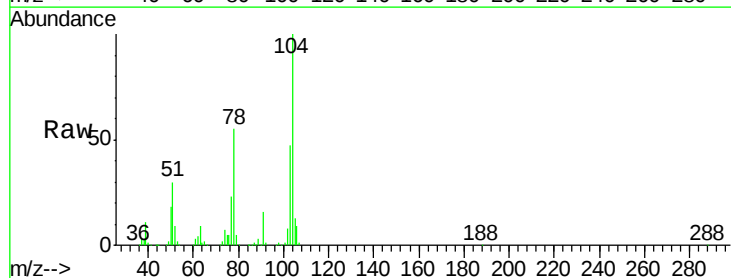


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

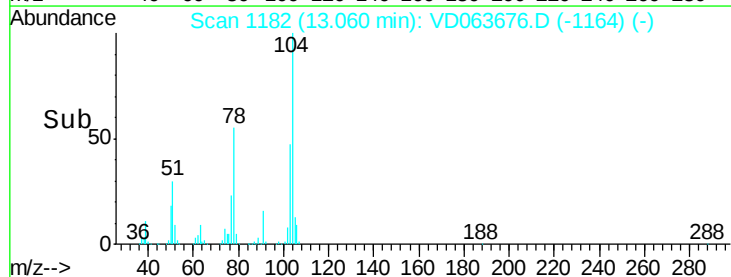
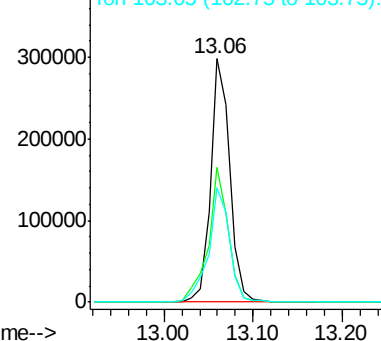


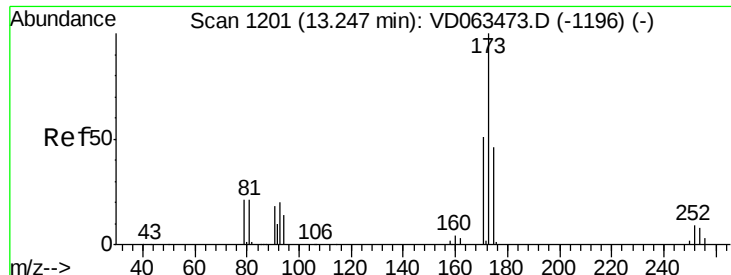
#70  
Styrene  
Concen: 18.868 ug/l  
RT: 13.06 min Scan# 1182  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion:104 Resp: 449081  
Ion Ratio Lower Upper  
104 100  
78 55.1 40.8 61.2  
103 47.0 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): VDC  
Ion 103.05 (102.75 to 103.75): V

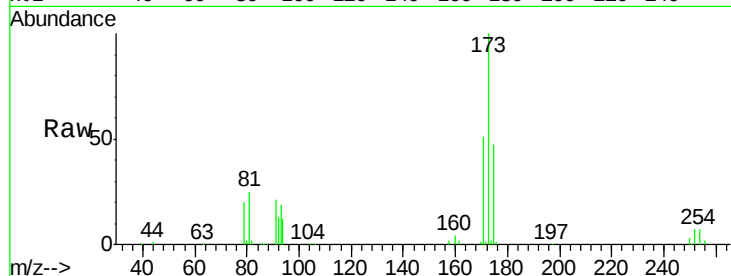




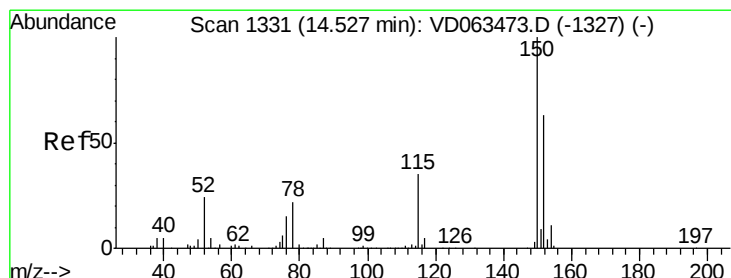
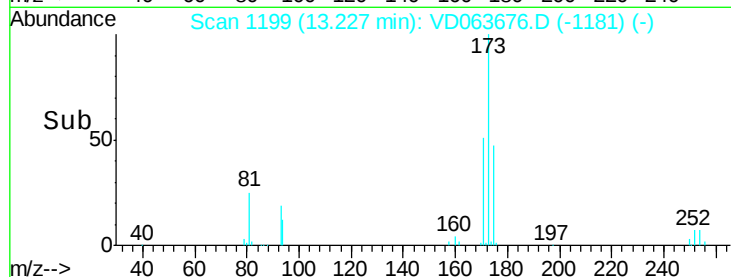
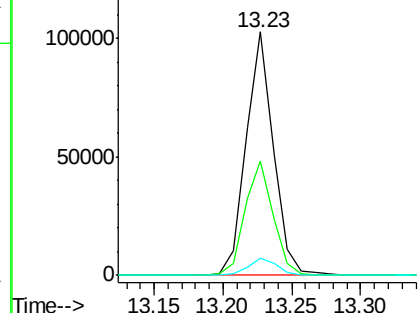
#71  
Bromoform  
Concen: 20.783 ug/l  
RT: 13.23 min Scan# 1199  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0820SBS01

Tot Ion:173 Resp: 142732  
Ion Ratio Lower Upper  
173 100  
175 47.2 22.8 68.3  
254 7.0 6.6 9.8

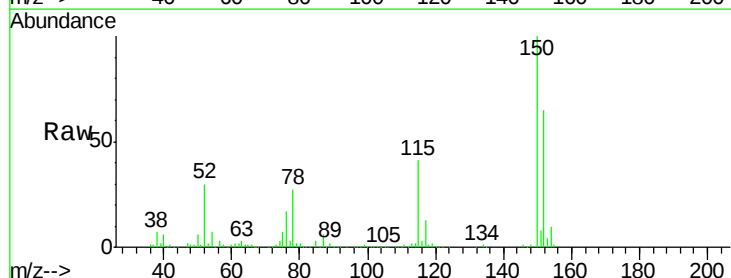


Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V

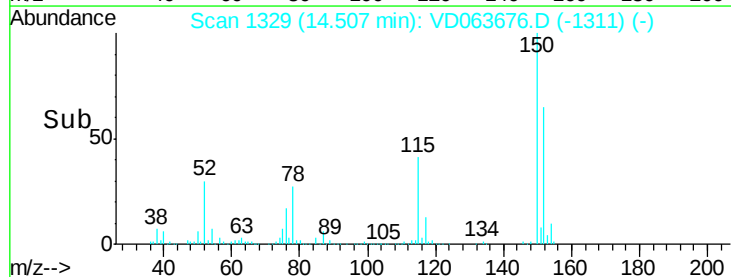
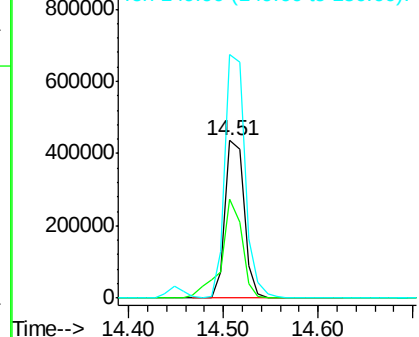


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.02 min  
Lab File: VD063676.D  
Acq: 20 Aug 2019 11:21

Tgt Ion:152 Resp: 609661  
Ion Ratio Lower Upper  
152 100  
115 62.7 30.9 92.7  
150 154.4 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.386 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

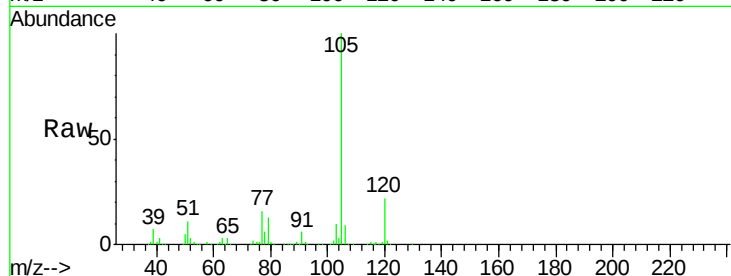
VD0820SBS01

Tot Ion:105 Resp: 868064

Ion Ratio Lower Upper

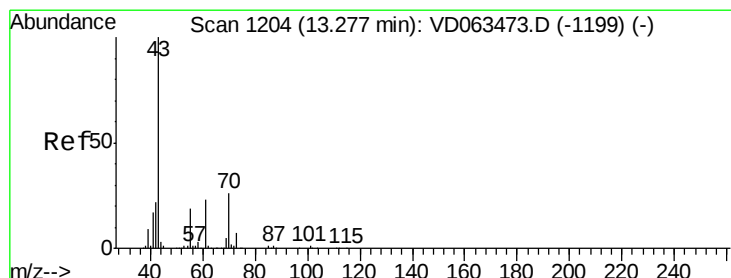
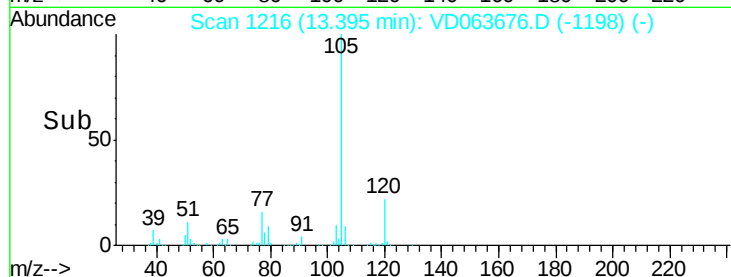
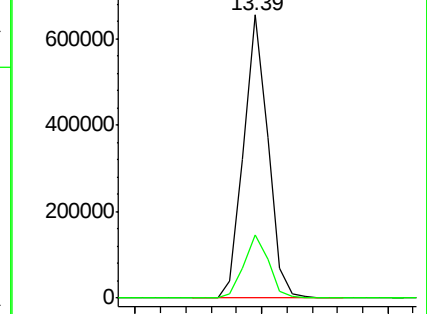
105 100

120 22.3 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 23.061 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Tgt Ion: 43 Resp: 224484

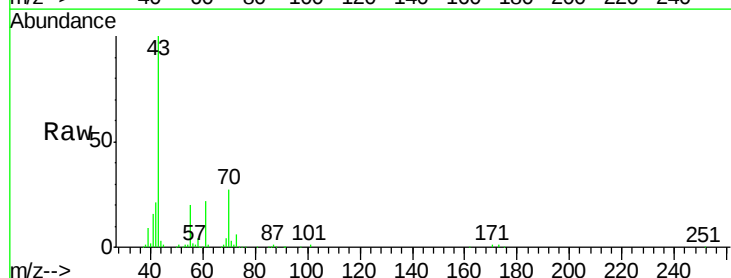
Ion Ratio Lower Upper

43 100

70 26.6 21.1 31.7

55 20.4 15.4 23.0

61 22.4 18.2 27.2

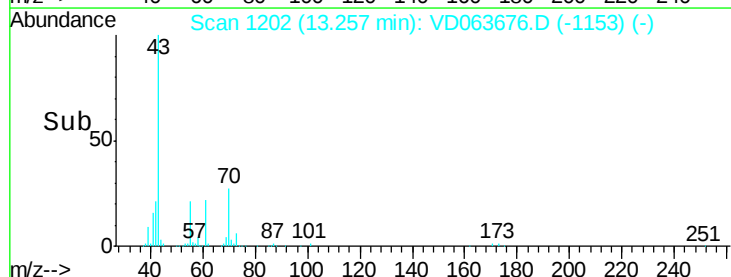
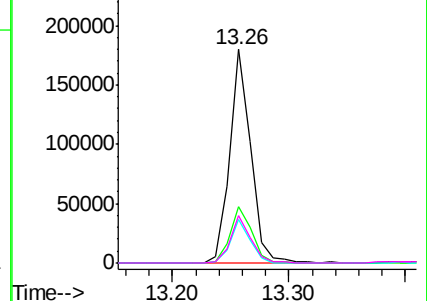


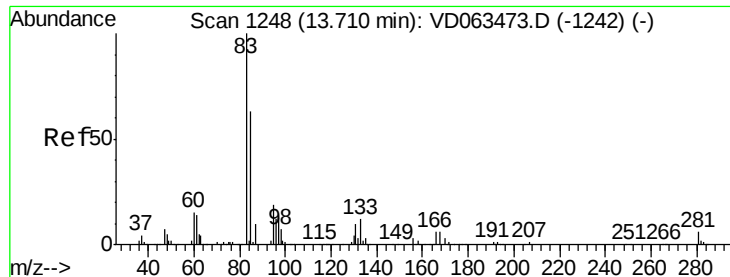
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.971 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

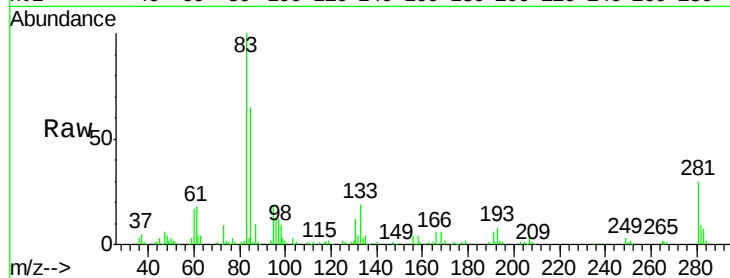
Tot Ion: 83 Resp: 141415

Ion Ratio Lower Upper

83 100

131 12.2 5.3 15.8

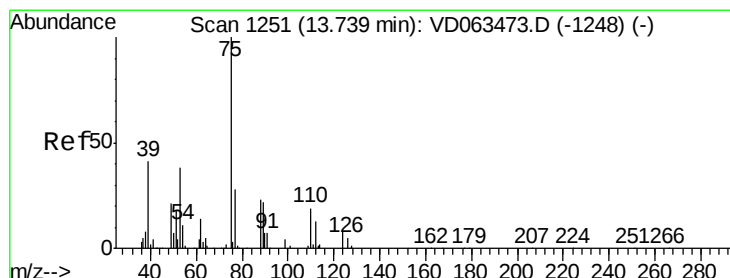
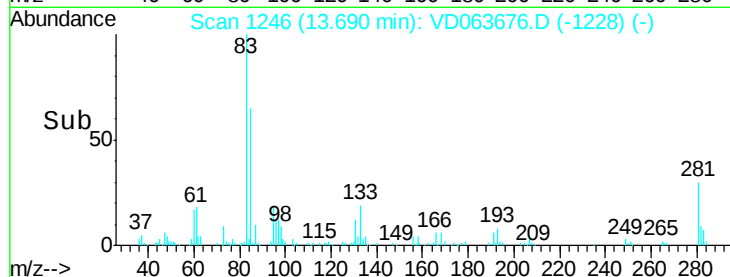
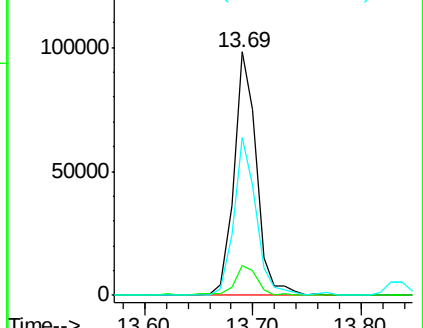
85 64.7 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.075 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063676.D

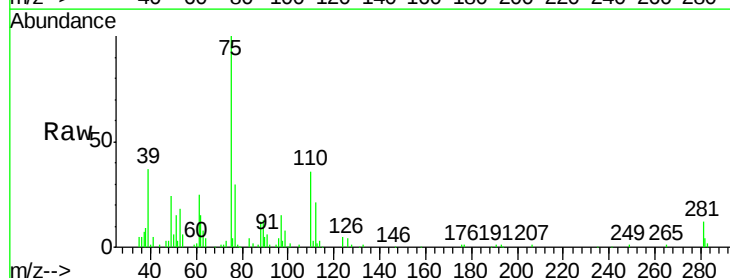
Acq: 20 Aug 2019 11:21

Tgt Ion: 75 Resp: 147457

Ion Ratio Lower Upper

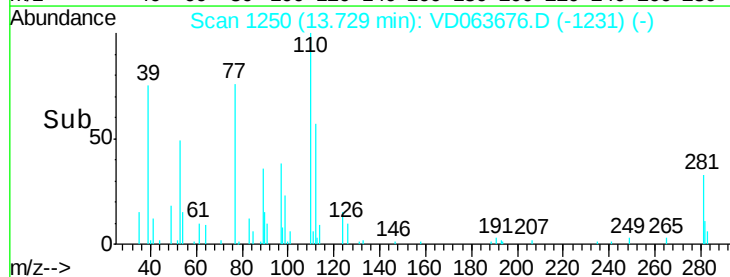
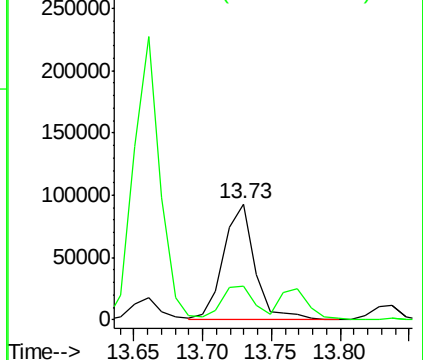
75 100

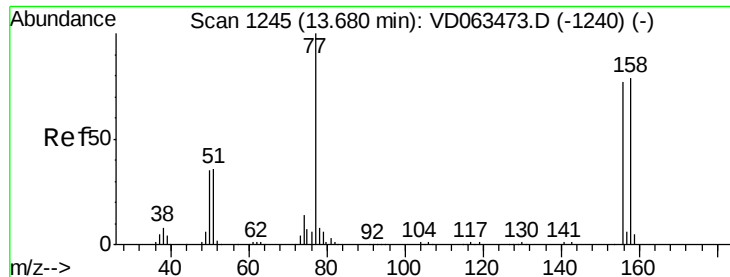
77 29.7 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.149 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

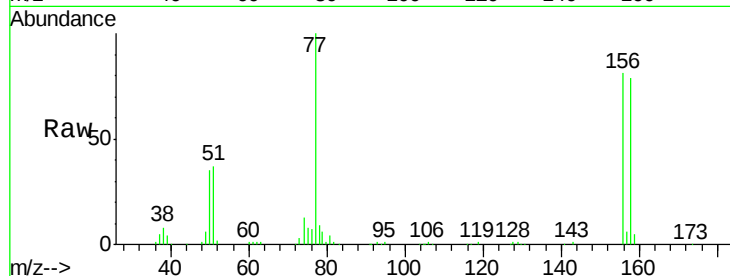
Tot Ion:156 Resp: 234742

Ion Ratio Lower Upper

156 100

77 123.1 64.6 193.8

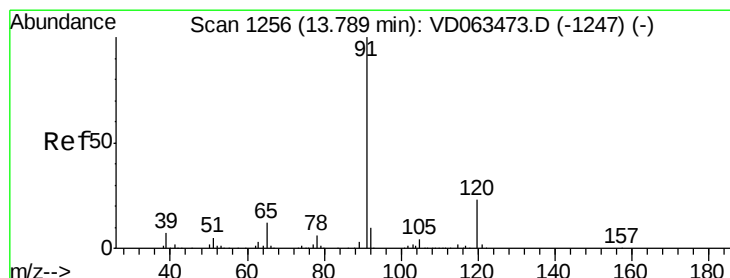
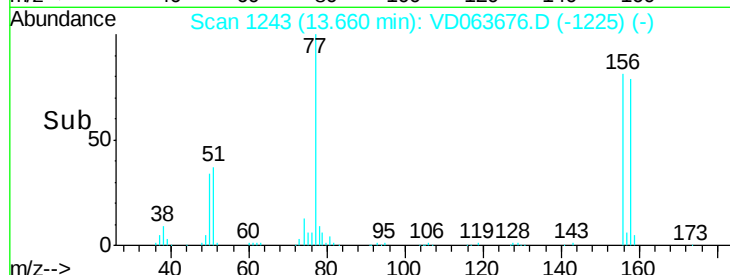
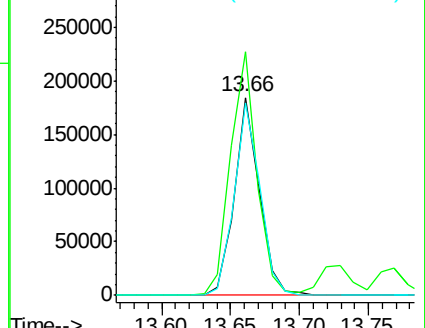
158 97.0 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.747 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063676.D

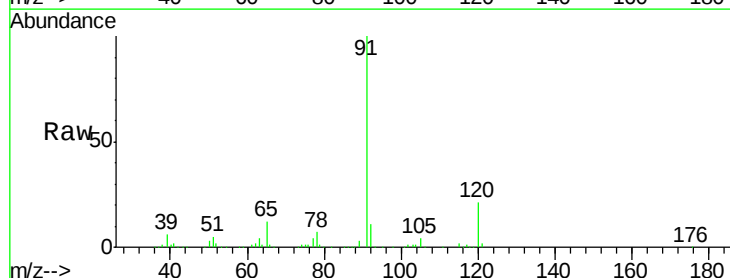
Acq: 20 Aug 2019 11:21

Tgt Ion: 91 Resp: 941311

Ion Ratio Lower Upper

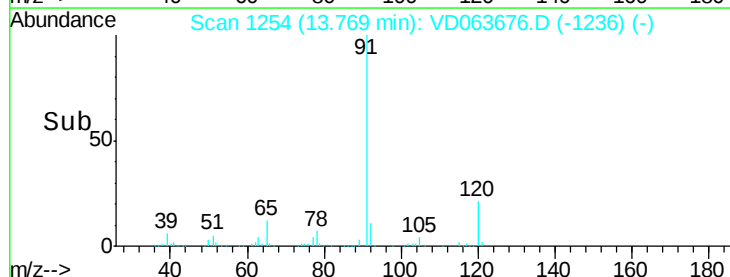
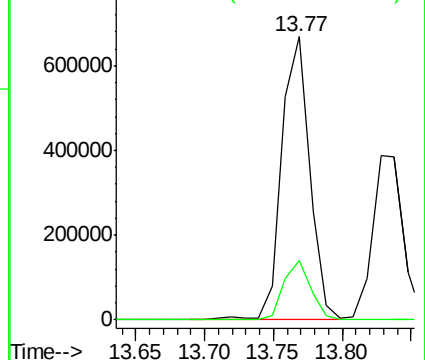
91 100

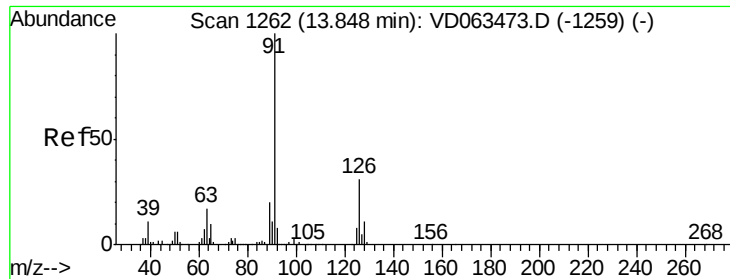
120 21.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

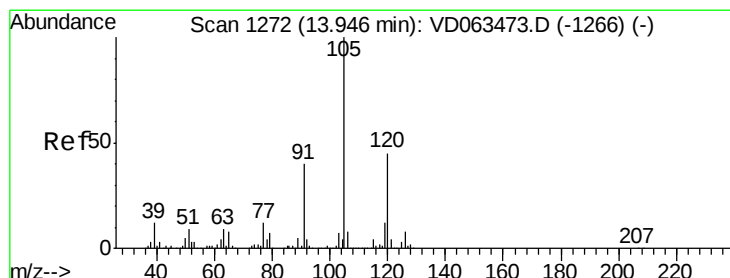
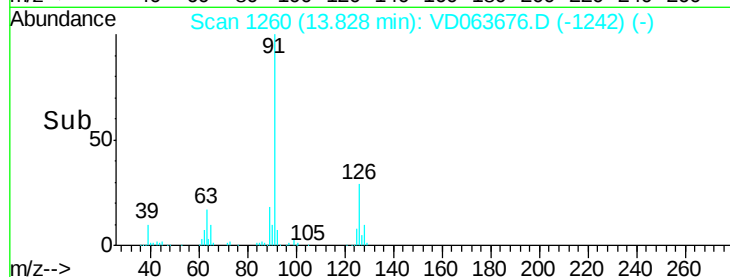
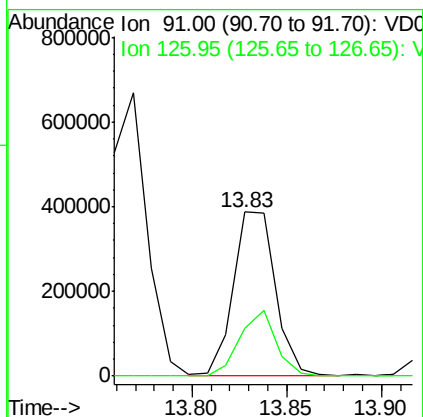
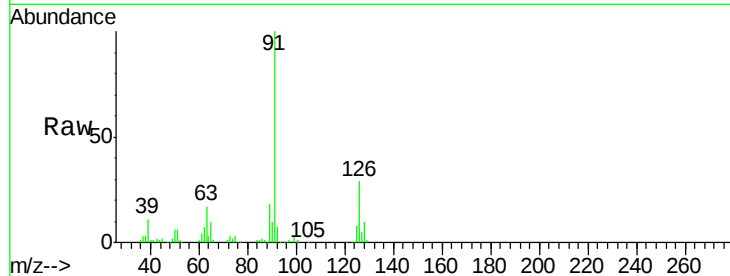




#79  
 2-Chlorotoluene  
 Concen: 22.735 ug/l  
 RT: 13.83 min Scan# 1260  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

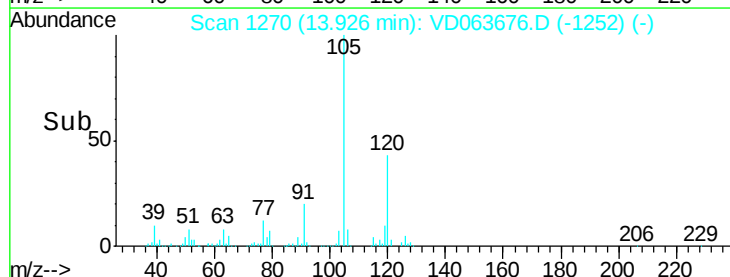
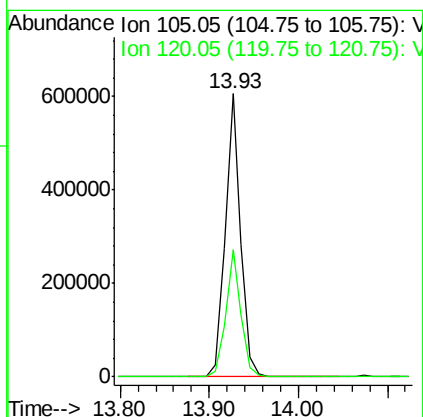
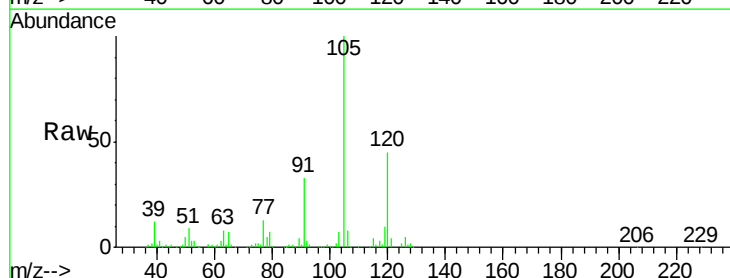
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

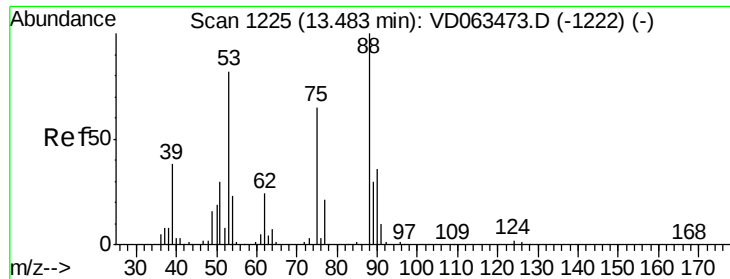
Tot Ion: 91 Resp: 594748  
 Ion Ratio Lower Upper  
 91 100  
 126 29.5 15.6 46.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.745 ug/l  
 RT: 13.93 min Scan# 1270  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion: 105 Resp: 736765  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 23.275 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

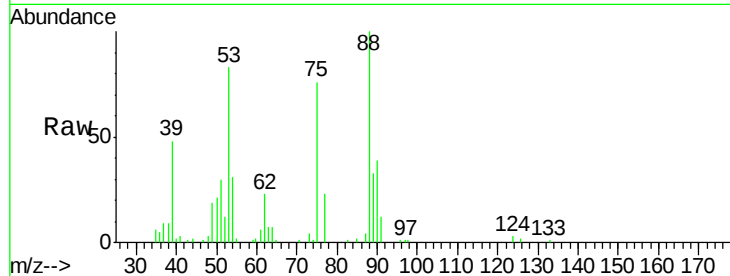
Tot Ion: 75 Resp: 43770

Ion Ratio Lower Upper

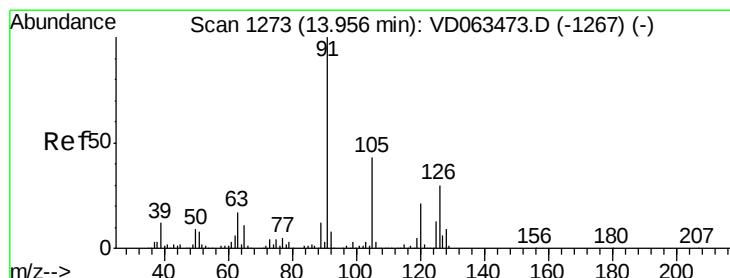
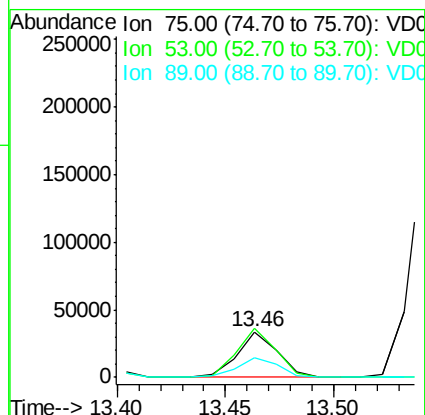
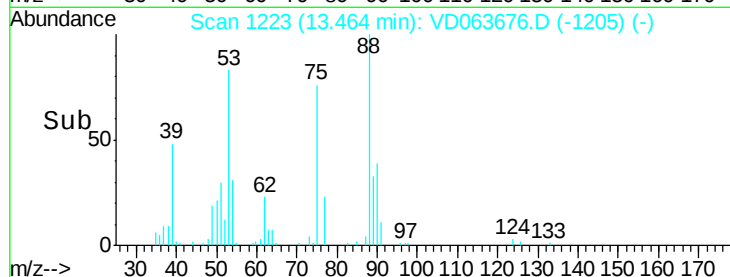
75 100

53 109.0 101.0 151.4

89 43.8 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.755 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD063676.D

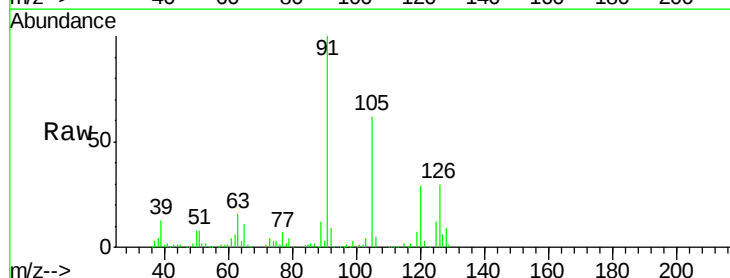
Acq: 20 Aug 2019 11:21

Tgt Ion: 91 Resp: 652910

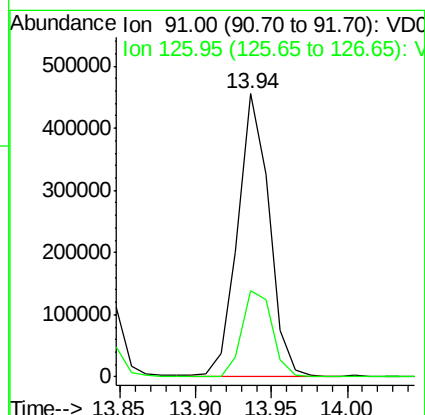
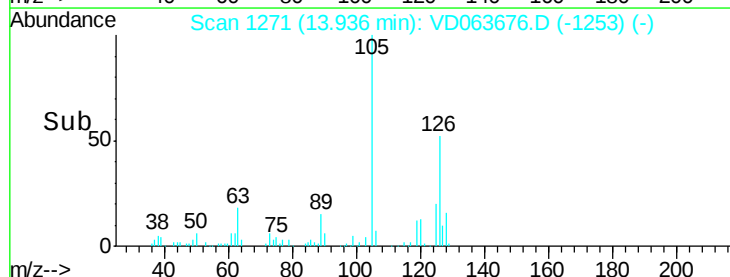
Ion Ratio Lower Upper

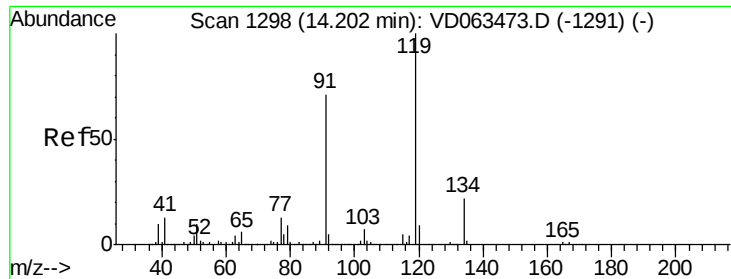
91 100

126 30.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.95 (125.65 to 126.65): V

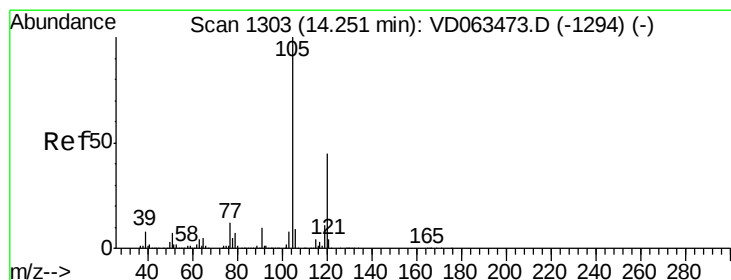
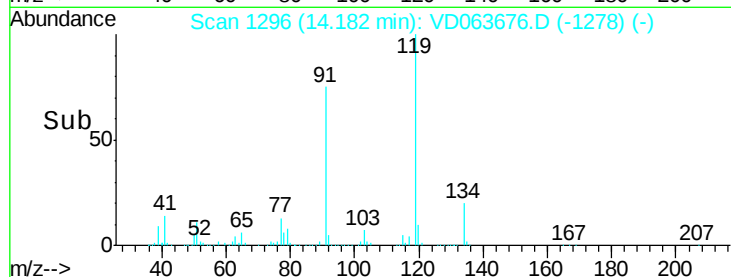
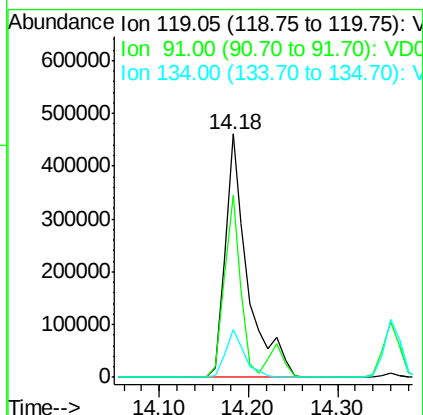
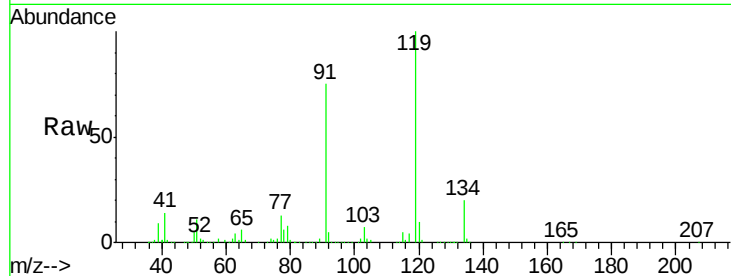




#83  
 tert-Butylbenzene  
 Concen: 22.893 ug/l  
 RT: 14.18 min Scan# 1296  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

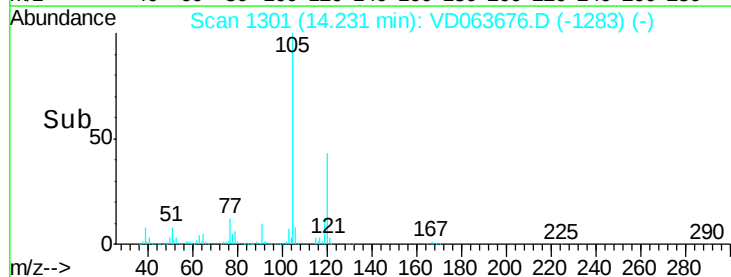
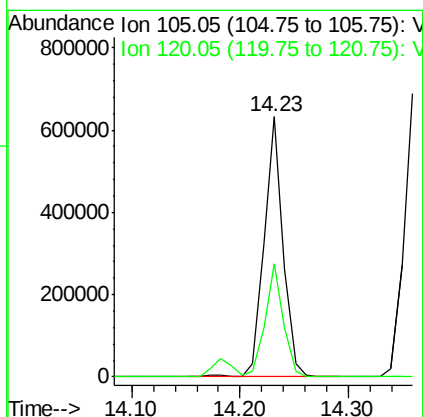
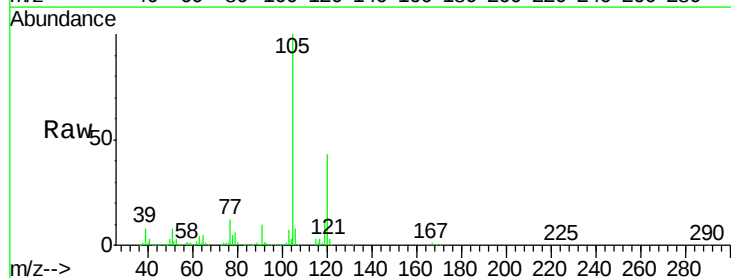
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

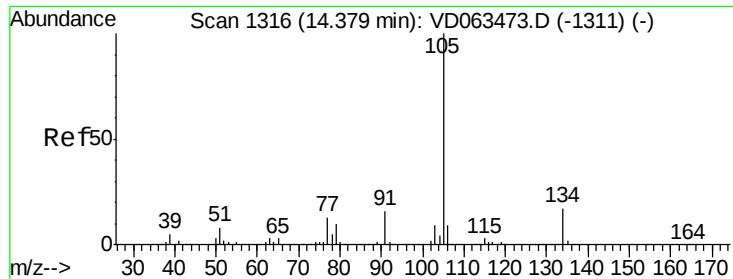
Tot Ion:119 Resp: 816773  
 Ion Ratio Lower Upper  
 119 100  
 91 75.1 35.5 106.7  
 134 19.8 11.1 33.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 24.557 ug/l  
 RT: 14.23 min Scan# 1301  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion:105 Resp: 769854  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 22.458 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

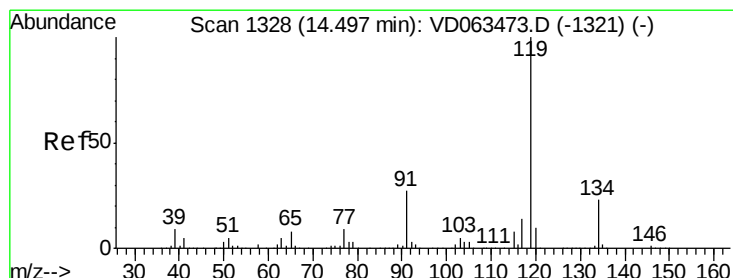
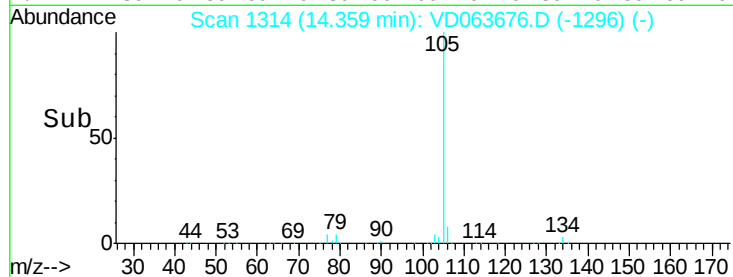
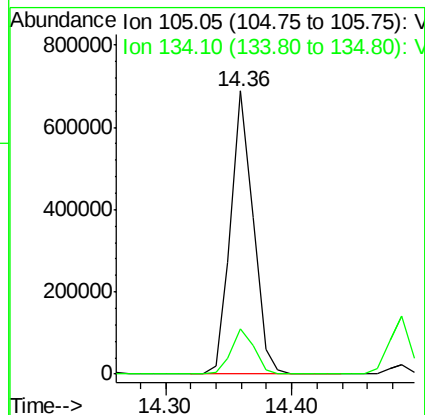
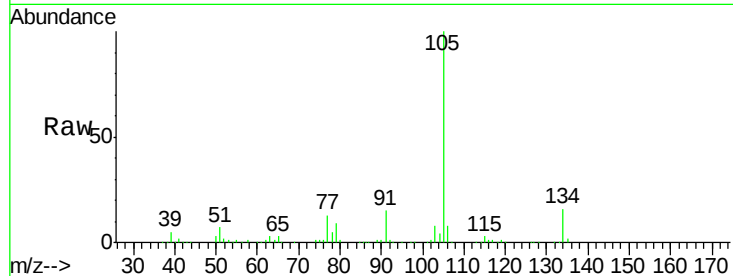
VD0820SBS01

Tot Ion:105 Resp: 850920

Ion Ratio Lower Upper

105 100

134 15.9 8.3 24.8



#86

p-Isopropyltoluene

Concen: 20.899 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

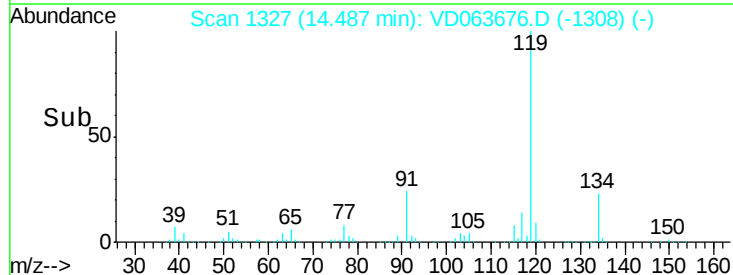
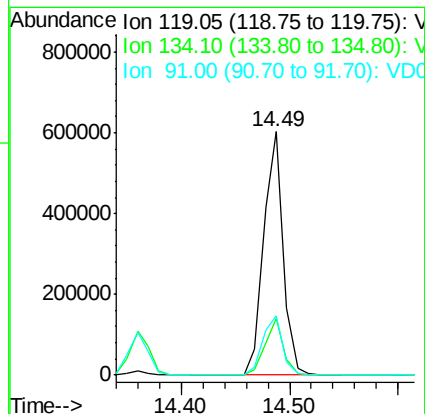
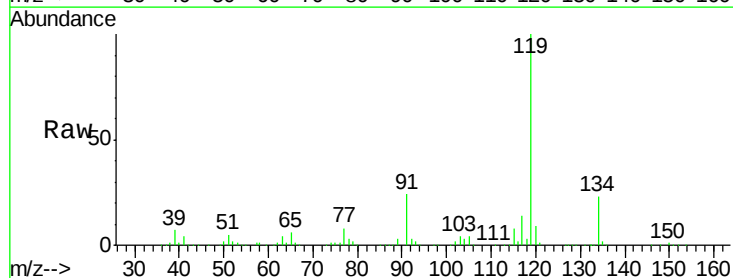
Tgt Ion:119 Resp: 757135

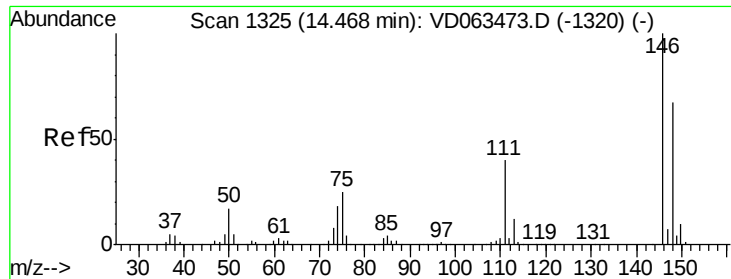
Ion Ratio Lower Upper

119 100

134 23.4 11.3 33.8

91 24.2 13.5 40.4

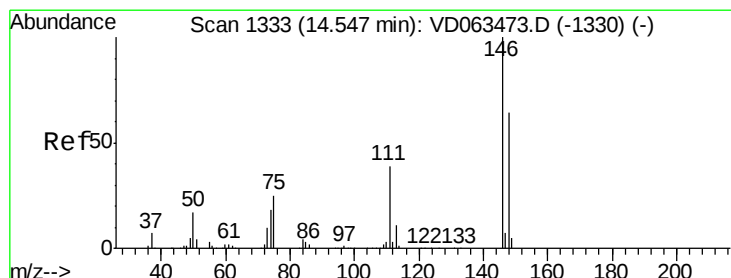
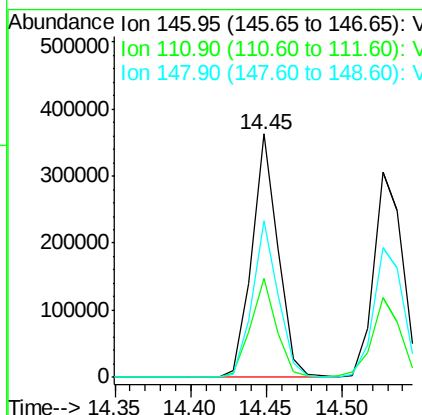
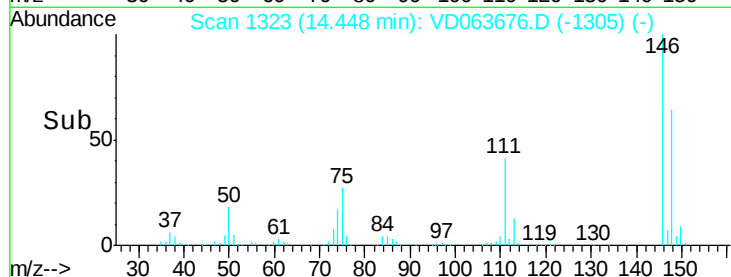
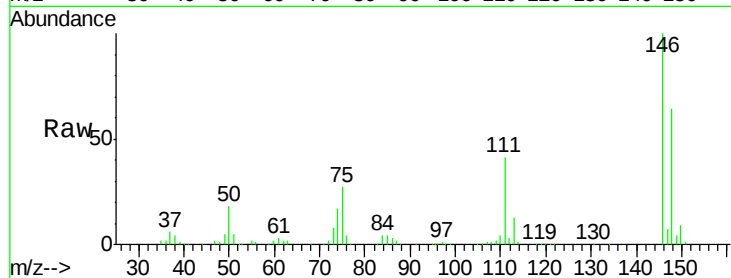




#87  
 1,3-Dichlorobenzene  
 Concen: 22.795 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

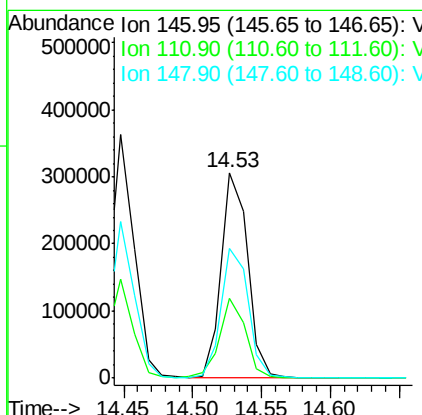
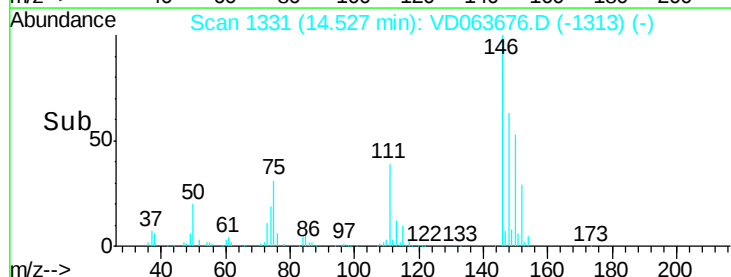
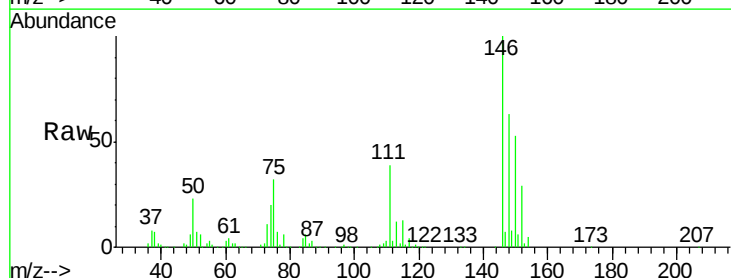
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

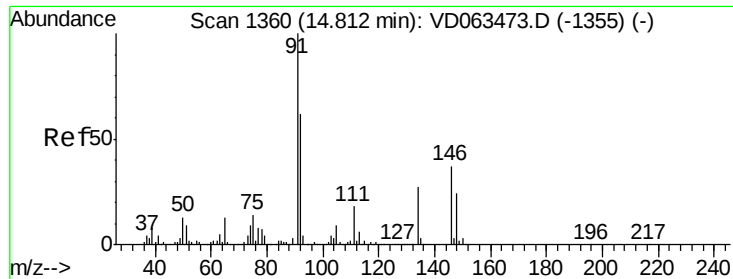
Tot Ion:146 Resp: 436979  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 20.0 60.0  
 148 64.1 33.6 100.6



#88  
 1,4-Dichlorobenzene  
 Concen: 22.227 ug/l  
 RT: 14.53 min Scan# 1331  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion:146 Resp: 408798  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 19.7 59.0  
 148 63.2 32.1 96.3





#89

n-Butylbenzene

Concen: 23.430 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

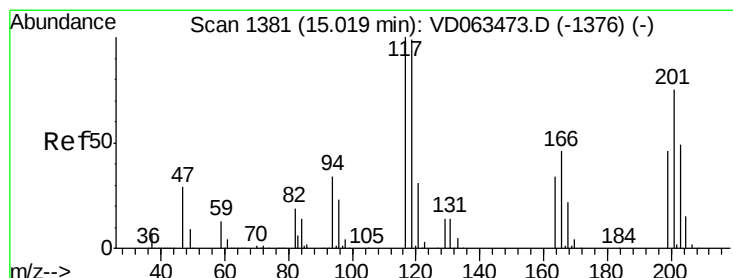
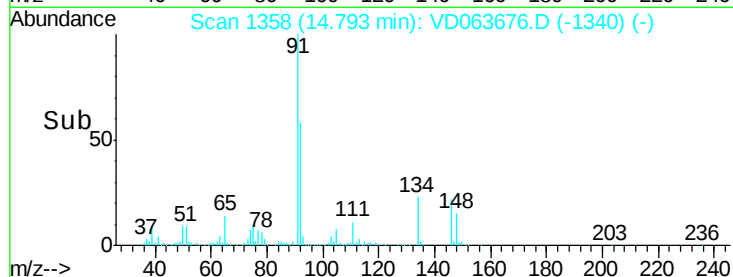
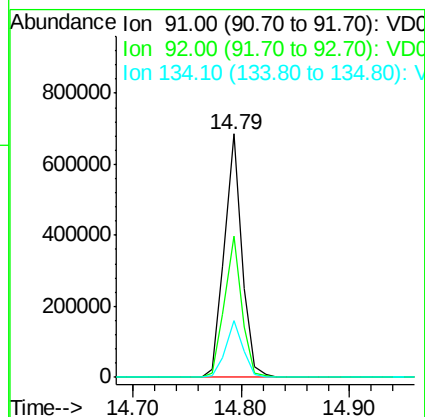
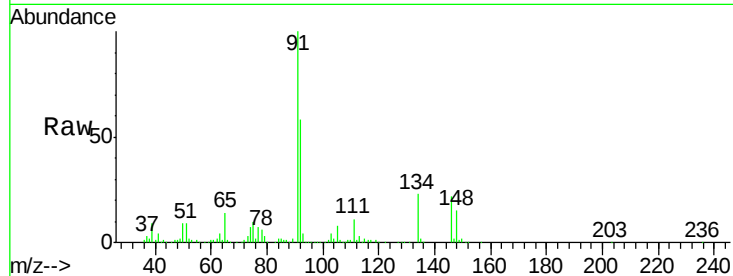
Tot Ion: 91 Resp: 774713

Ion Ratio Lower Upper

91 100

92 58.0 30.8 92.3

134 23.2 13.4 40.2



#90

Hexachloroethane

Concen: 21.273 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063676.D

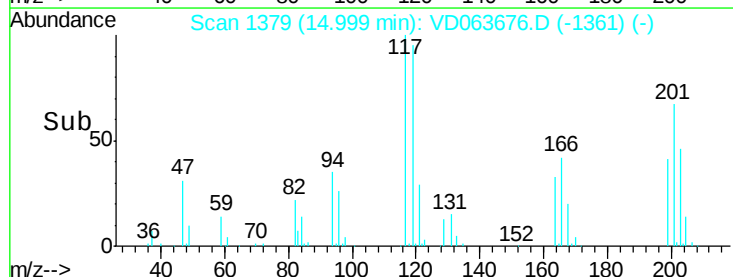
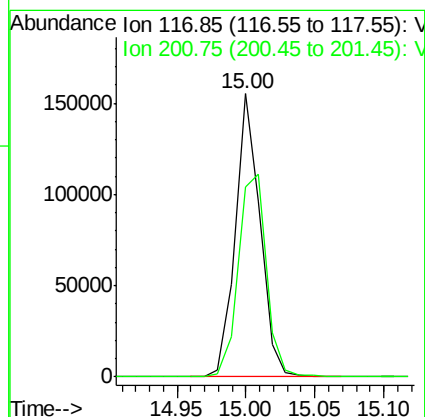
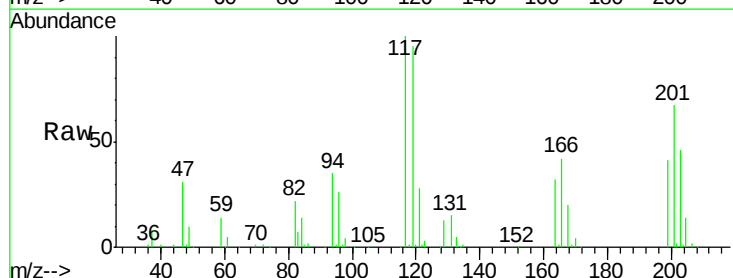
Acq: 20 Aug 2019 11:21

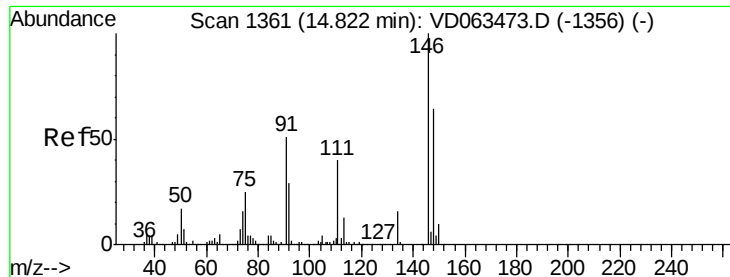
Tgt Ion: 117 Resp: 193708

Ion Ratio Lower Upper

117 100

201 67.0 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 23.808 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

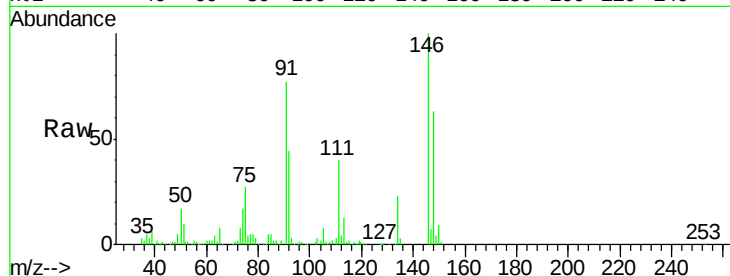
Tot Ion:146 Resp: 387222

Ion Ratio Lower Upper

146 100

111 40.0 20.2 60.6

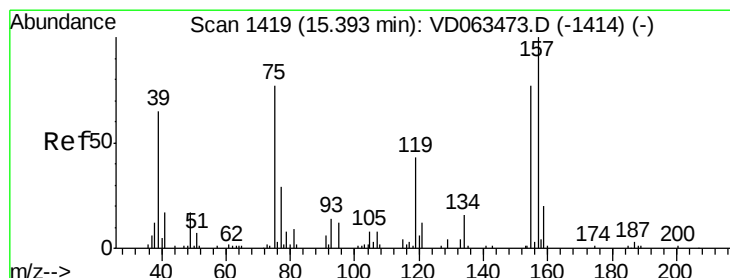
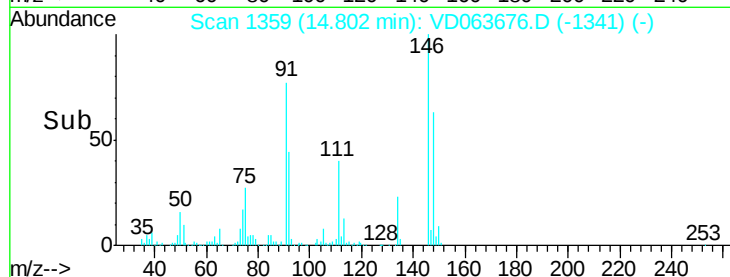
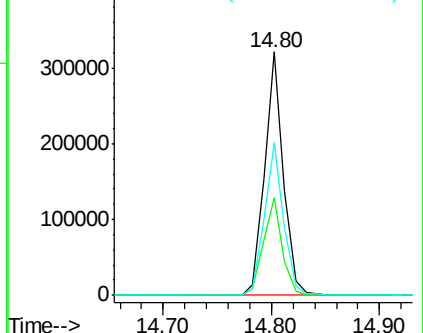
148 62.8 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): 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: 20.636 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

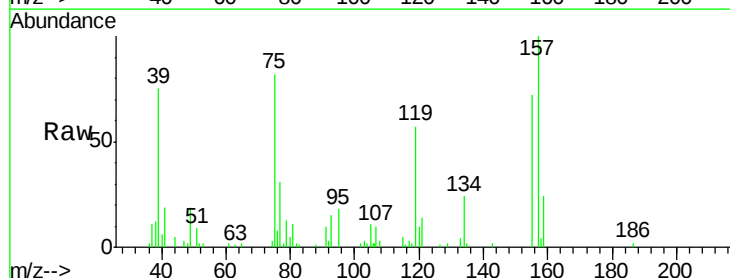
Tgt Ion: 75 Resp: 25009

Ion Ratio Lower Upper

75 100

155 87.3 50.1 150.3

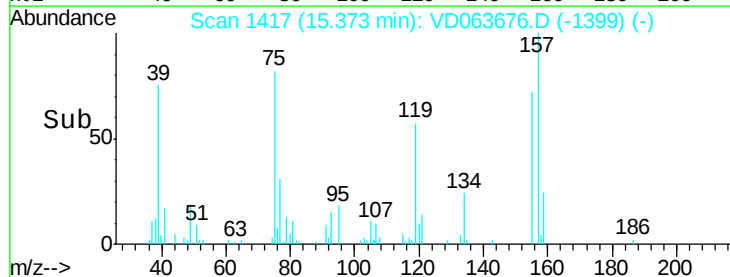
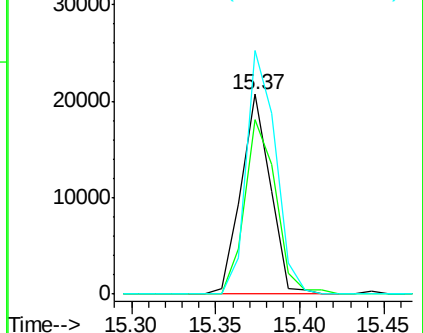
157 121.8 65.0 195.1

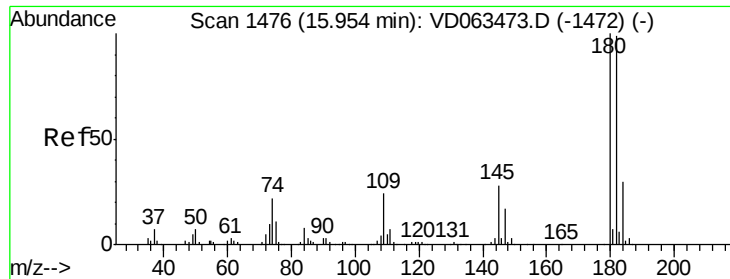


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

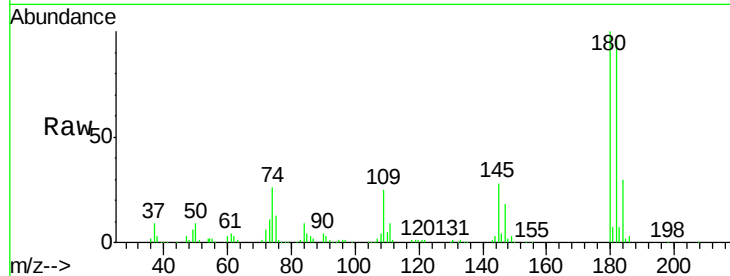




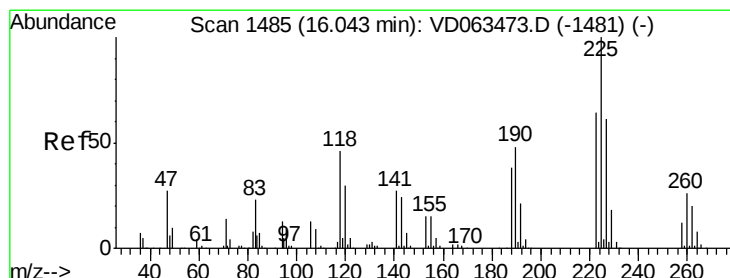
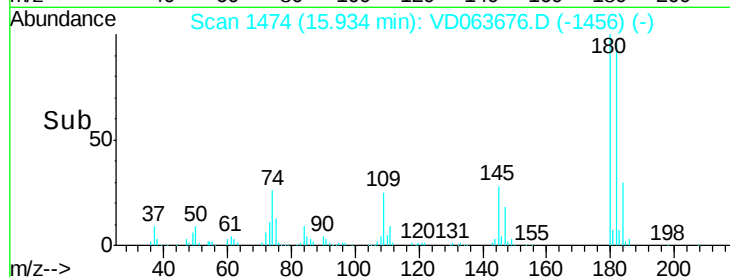
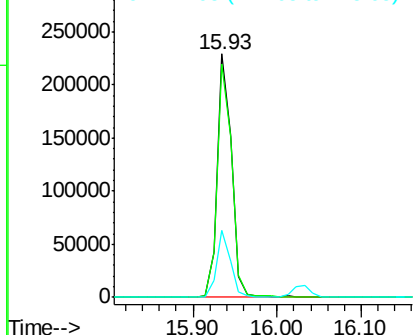
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.583 ug/l  
 RT: 15.93 min Scan# 1474  
 Delta R.T. -0.02 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0820SBS01

Tot Ion:180 Resp: 270262  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 49.7 149.1  
 145 27.8 14.1 42.2

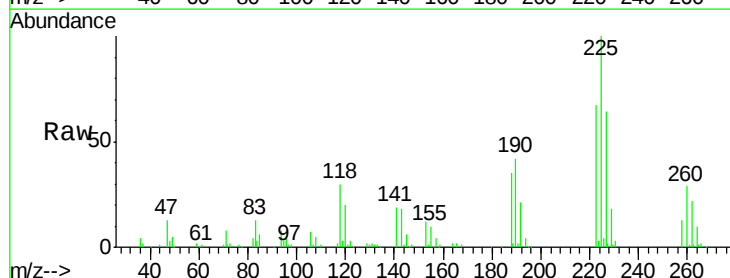


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

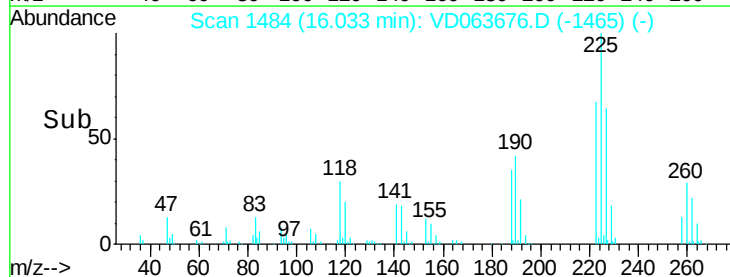
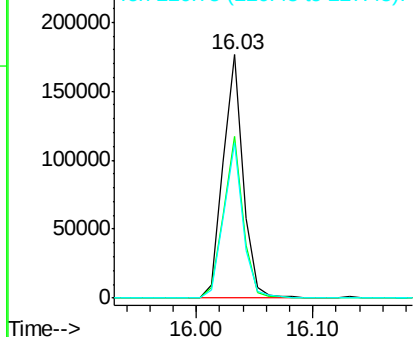


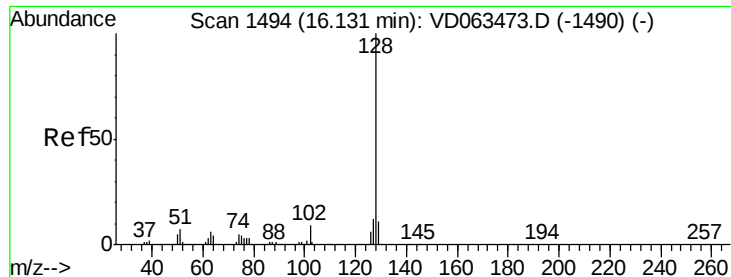
#94  
 Hexachlorobutadiene  
 Concen: 23.153 ug/l  
 RT: 16.03 min Scan# 1484  
 Delta R.T. -0.01 min  
 Lab File: VD063676.D  
 Acq: 20 Aug 2019 11:21

Tgt Ion:225 Resp: 211181  
 Ion Ratio Lower Upper  
 225 100  
 223 66.6 31.9 95.5  
 227 64.0 30.7 92.1



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





#95

Naphthalene

Concen: 19.414 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0820SBS01

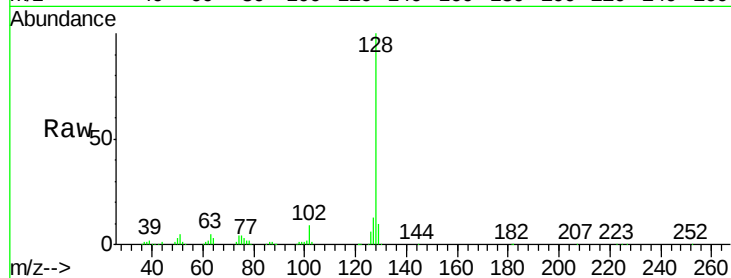
Tot Ion:128 Resp: 352117

Ion Ratio Lower Upper

128 100

127 12.6 9.4 14.0

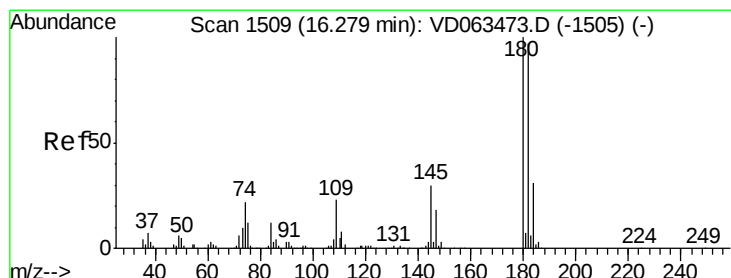
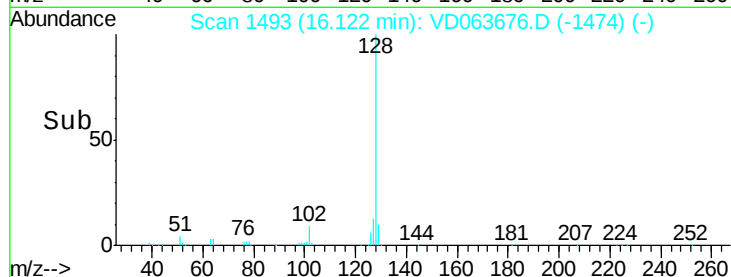
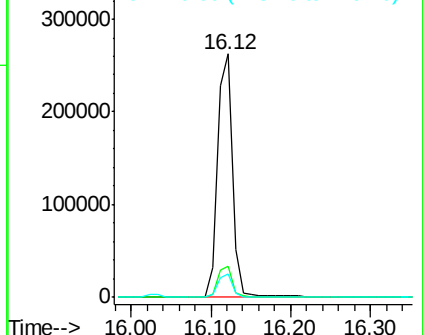
129 9.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.239 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VD063676.D

Acq: 20 Aug 2019 11:21

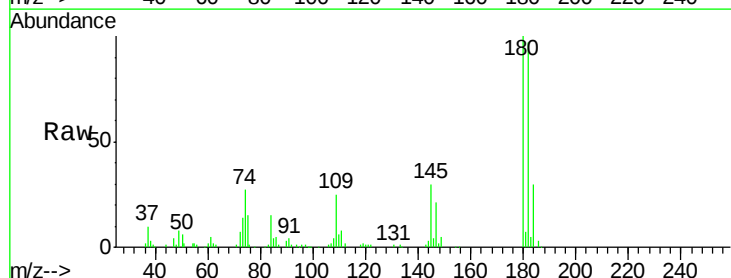
Tgt Ion:180 Resp: 205298

Ion Ratio Lower Upper

180 100

182 96.7 48.4 145.2

145 29.7 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

