

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\  
 Data File : VD063563.D  
 Acq On : 14 Aug 2019 9:22  
 Operator : JC/SY  
 Sample : K4294-04RE  
 Misc : 4.73g/5ml/MSVOA D/SOIL  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 14 10:14:59 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      | 7.05  | 168  | 10812    | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 19791    | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 17117    | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 9427     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 8655     | 74.89  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 149.78% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 7060     | 42.36  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 84.72%  |          |
| 50) Toluene-d8              | 10.41 | 98   | 14716    | 40.16  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 80.32%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 8237     | 49.59  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 99.18%  |          |

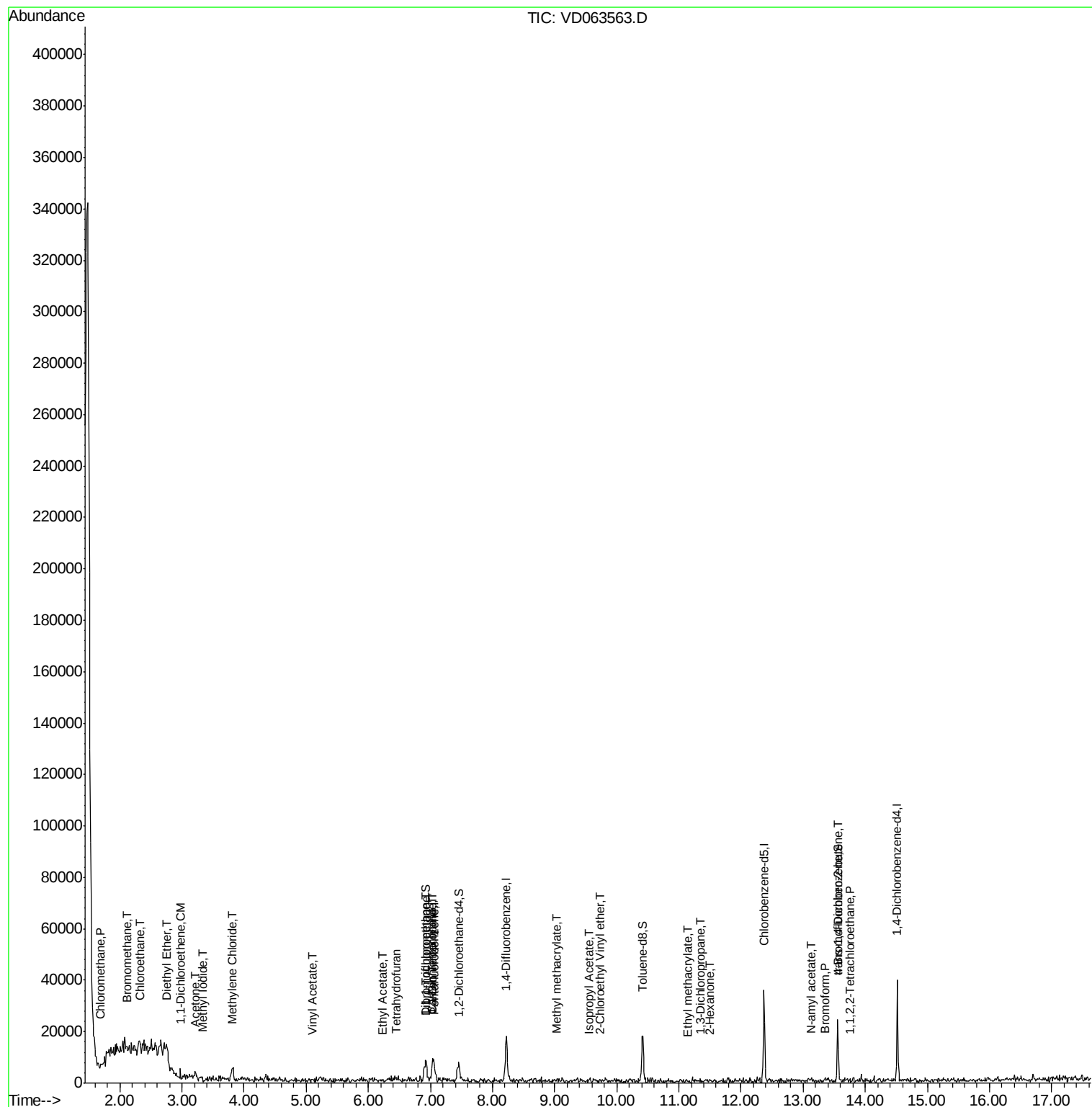
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 3) Chloromethane               | 1.69  | 50   | 190      | 1.859   | ug/l # | 41     |
| 5) Bromomethane                | 2.13  | 94   | 3674     | 76.746  | ug/l # | 11     |
| 6) Chloroethane                | 2.34  | 64   | 201      | 4.332   | ug/l # | 42     |
| 8) Diethyl Ether               | 2.76  | 74   | 192      | 6.833   | ug/l # | 15     |
| 10) Methyl Iodide              | 3.33  | 142  | 263      | 1.582   | ug/l # | 29     |
| 12) 1,1-Dichloroethene         | 2.98  | 96   | 217      | 2.484   | ug/l # | 1      |
| 16) Acetone                    | 3.22  | 43   | 4418     | 188.052 | ug/l # | 65     |
| 20) Methylene Chloride         | 3.80  | 84   | 3123     | 30.742  | ug/l # | 81     |
| 23) Vinyl Acetate              | 5.11  | 43   | 239      | 1.517   | ug/l # | 82     |
| 29) Tetrahydrofuran            | 6.44  | 42   | 549      | 50.777  | ug/l # | 56     |
| 32) 1,1,1-Trichloroethane      | 6.93  | 97   | 203      | 1.016   | ug/l # | 25     |
| 36) 1,1-Dichloropropene        | 7.03  | 75   | 282      | 1.612   | ug/l # | 42     |
| 37) Ethyl Acetate              | 6.24  | 43   | 181      | 2.469   | ug/l # | 73     |
| 38) Carbon Tetrachloride       | 7.03  | 117  | 816      | 3.095   | ug/l # | 13     |
| 43) Isopropyl Acetate          | 9.55  | 43   | 246      | 2.505   | ug/l # | 48     |
| 48) Methyl methacrylate        | 9.05  | 41   | 247      | 3.709   | ug/l # | 18     |
| 56) Ethyl methacrylate         | 11.15 | 69   | 220      | 2.420   | ug/l # | 15     |
| 57) 1,3-Dichloropropane        | 11.34 | 76   | 203      | 1.603   | ug/l # | 42     |
| 58) 2-Chloroethyl Vinyl ether  | 9.74  | 63   | 178      | 3.708   | ug/l # | 49     |
| 59) 2-Hexanone                 | 11.49 | 43   | 187      | 3.825   | ug/l # | 30     |
| 71) Bromoform                  | 13.35 | 173  | 269      | 2.779   | ug/l # | 38     |
| 74) N-amyl acetate             | 13.13 | 43   | 323      | 2.146   | ug/l # | 53     |
| 75) 1,1,2,2-Tetrachloroethane  | 13.76 | 83   | 295      | 2.964   | ug/l # | 26     |
| 81) trans-1,4-Dichloro-2-buten | 13.56 | 75   | 3296     | 113.347 | ug/l # | 1      |

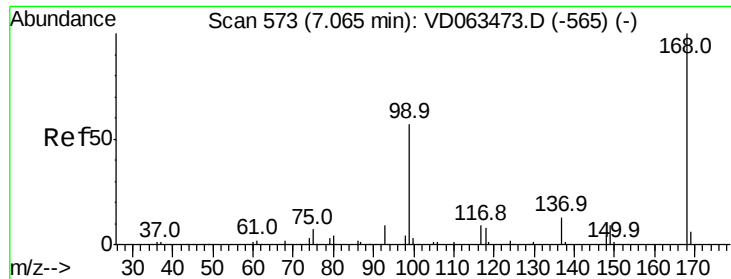
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Aug 10 06:42:47 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

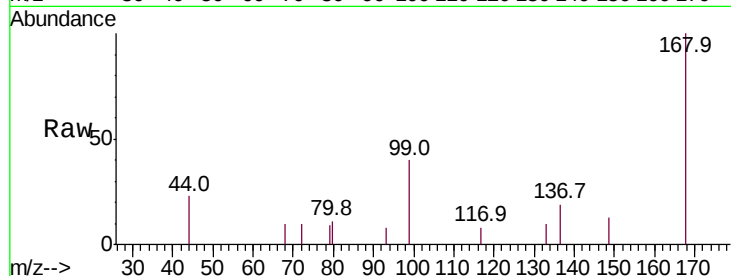
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:168 Resp: 10812

Ion Ratio Lower Upper

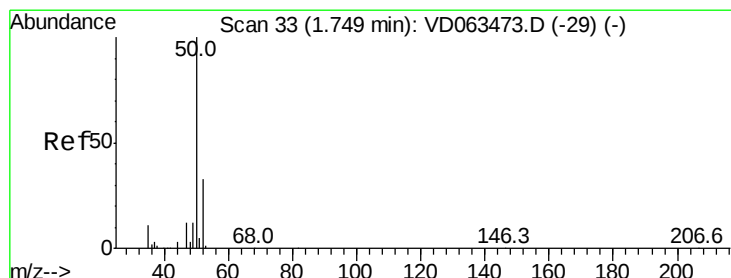
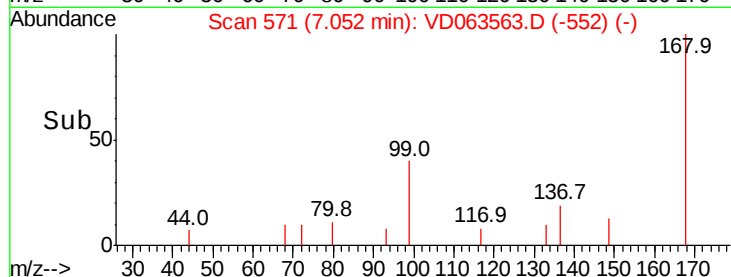
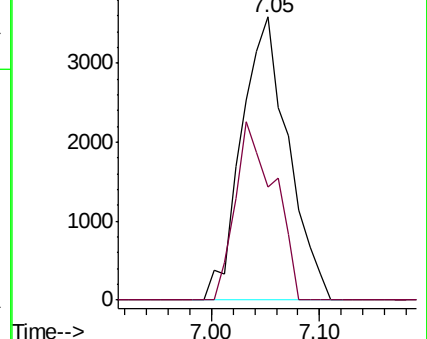
168 100

99 40.0 46.7 70.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.859 ug/l

RT: 1.69 min Scan# 26

Delta R.T. -0.06 min

Lab File: VD063563.D

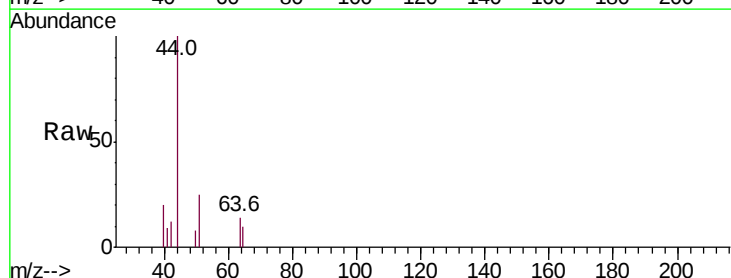
Acq: 14 Aug 2019 9:22

Tgt Ion: 50 Resp: 190

Ion Ratio Lower Upper

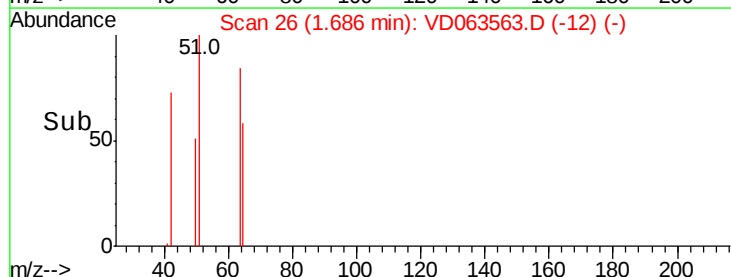
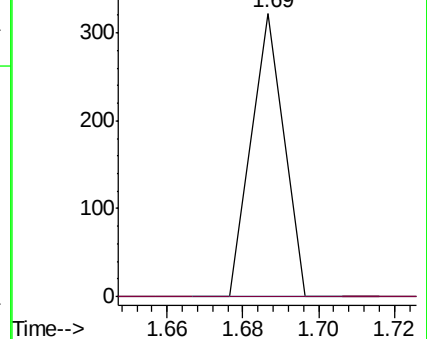
50 100

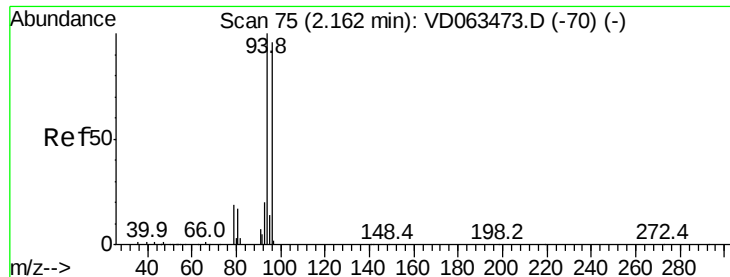
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 76.746 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampleID :

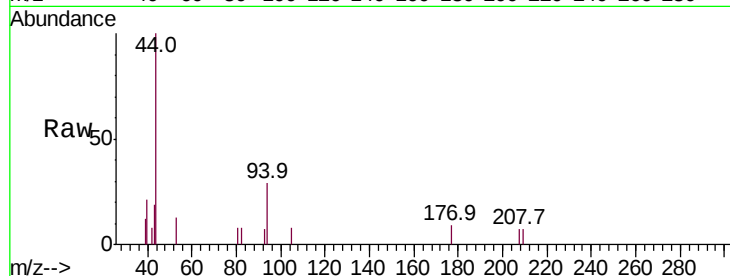
Tot Ion: 94 Resp: 3674

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

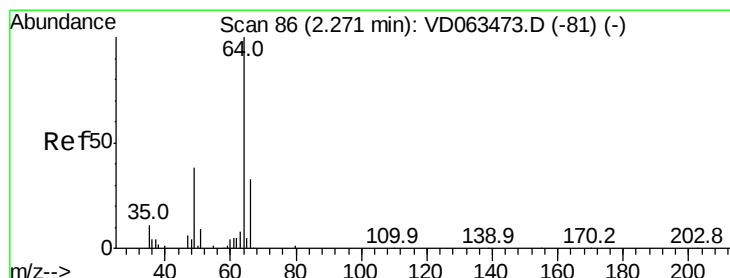
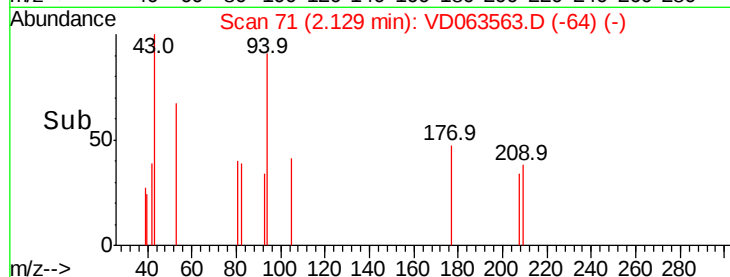
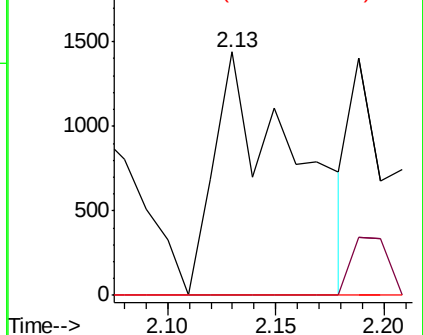
93 0.0 15.8 23.8#



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: 4.332 ug/l

RT: 2.34 min Scan# 92

Delta R.T. 0.07 min

Lab File: VD063563.D

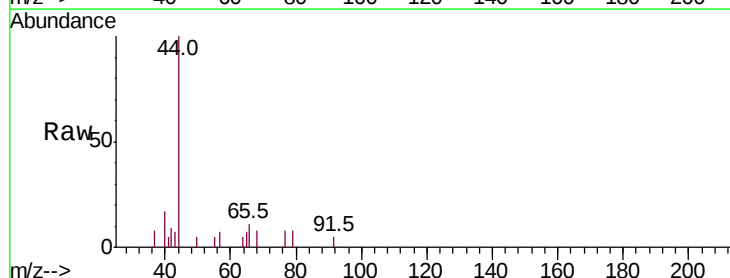
Acq: 14 Aug 2019 9:22

Tgt Ion: 64 Resp: 201

Ion Ratio Lower Upper

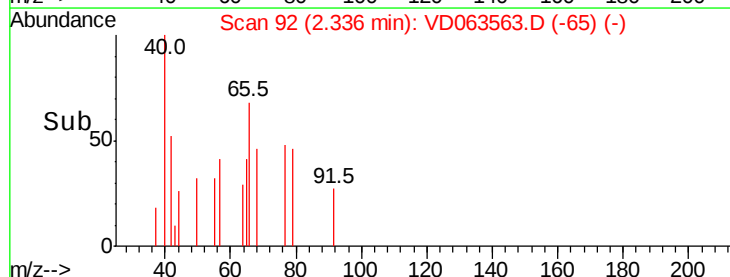
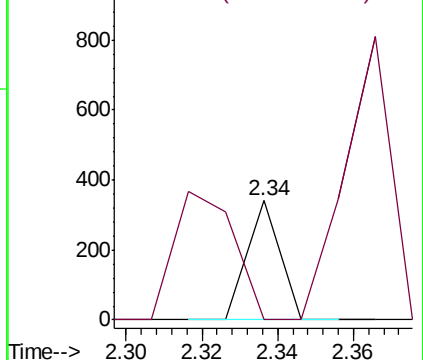
64 100

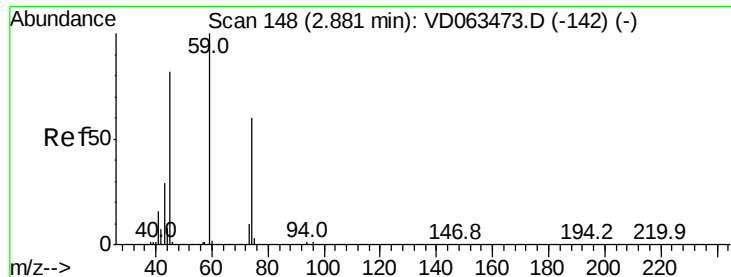
66 0.0 26.3 39.5#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#8

Diethyl Ether

Concen: 6.833 ug/l

RT: 2.76 min Scan# 135

Delta R.T. -0.12 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

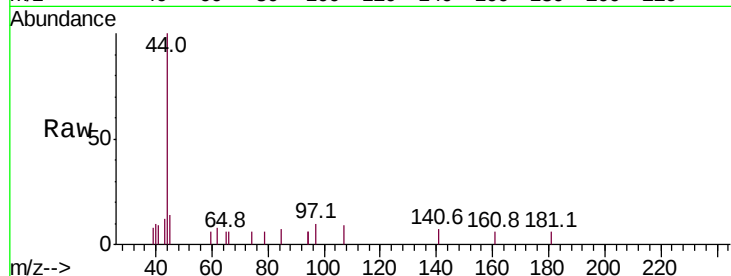
ClientSampleId :

Tot Ion: 74 Resp: 192

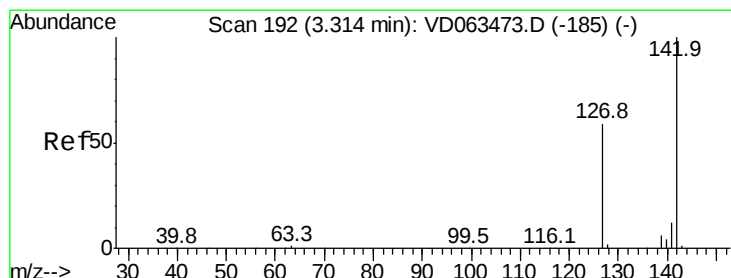
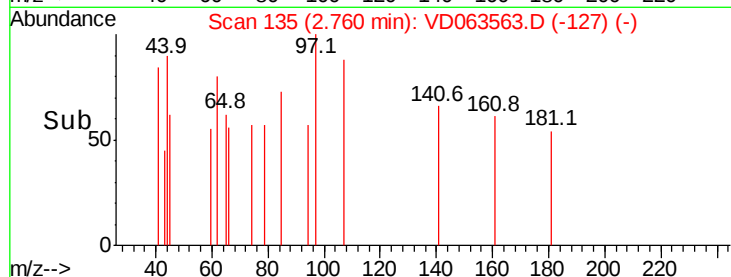
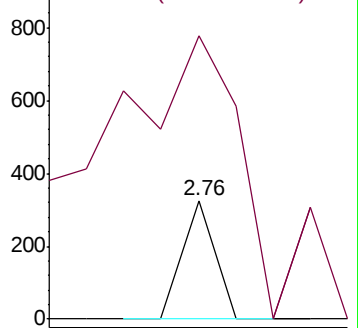
Ion Ratio Lower Upper

74 100

45 239.1 68.5 205.5#



Abundance Ion 74.00 (73.70 to 74.70): VDC



#10

Methyl Iodide

Concen: 1.582 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

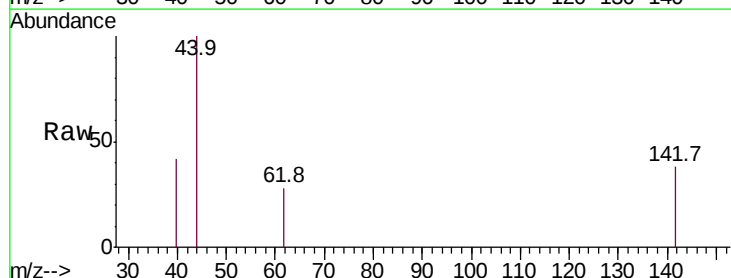
Tgt Ion: 142 Resp: 263

Ion Ratio Lower Upper

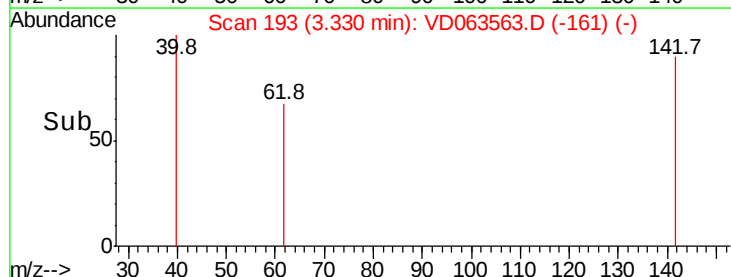
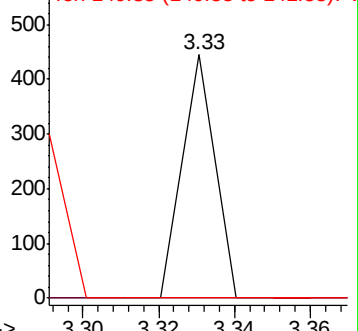
142 100

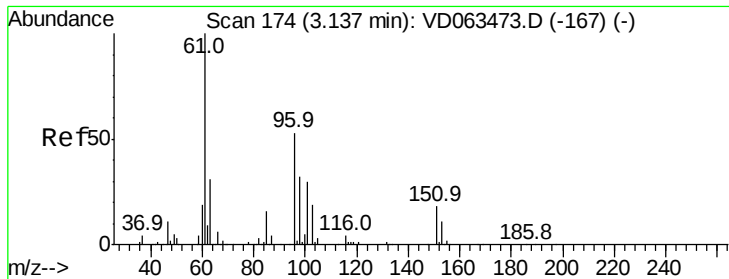
127 0.0 47.2 70.8#

141 0.0 9.8 14.8#



Abundance Ion 141.85 (141.55 to 142.55): V





#12

1,1-Dichloroethene

Concen: 2.484 ug/l

RT: 2.98 min Scan# 157

Delta R.T. -0.16 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampleId :

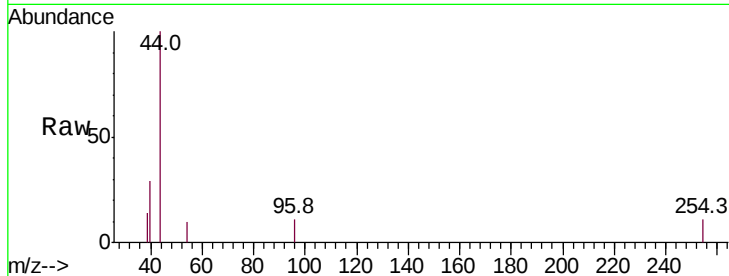
Tot Ion: 96 Resp: 217

Ion Ratio Lower Upper

96 100

61 0.0 151.7 227.5#

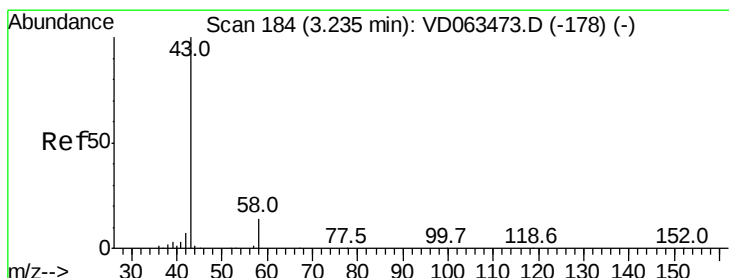
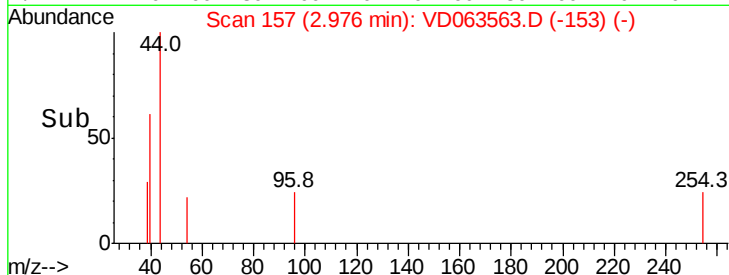
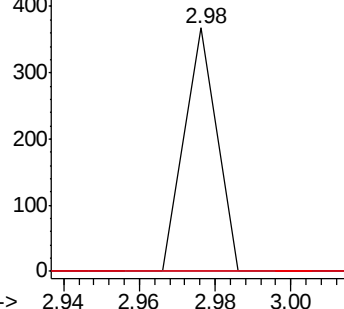
98 0.0 48.4 72.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#16

Acetone

Concen: 188.052 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063563.D

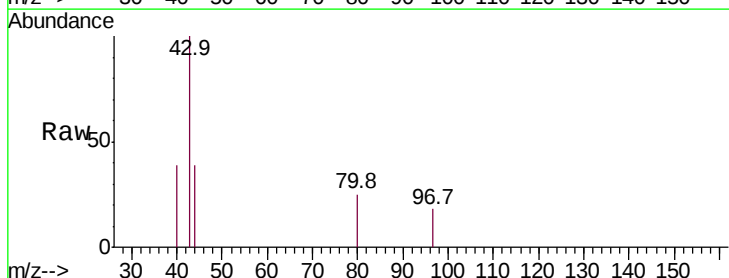
Acq: 14 Aug 2019 9:22

Tgt Ion: 43 Resp: 4418

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

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Ion 57.95 (57.65 to 58.65): VDC

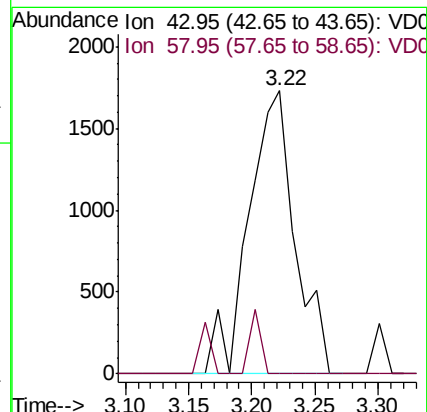
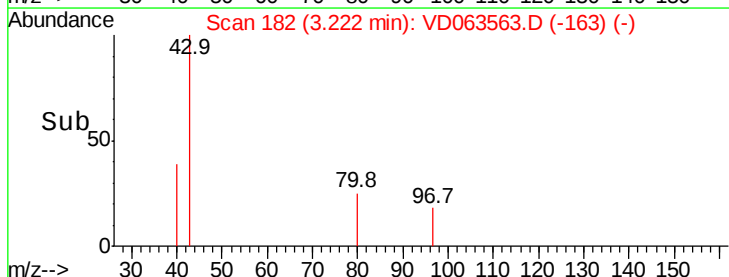
Ion 57.95 (57.65 to 58.65): VDC

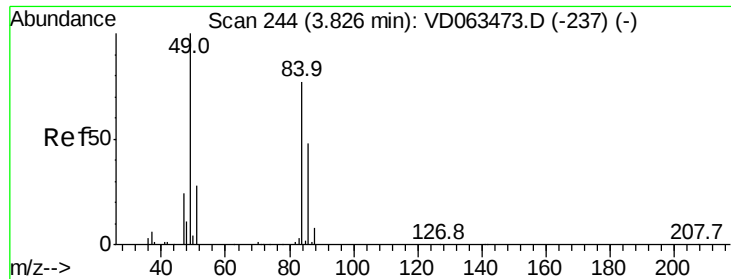
Ion 57.95 (57.65 to 58.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

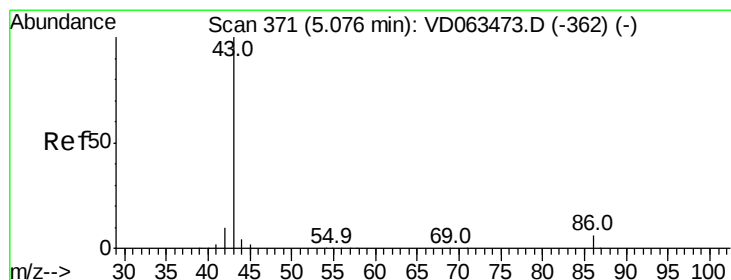
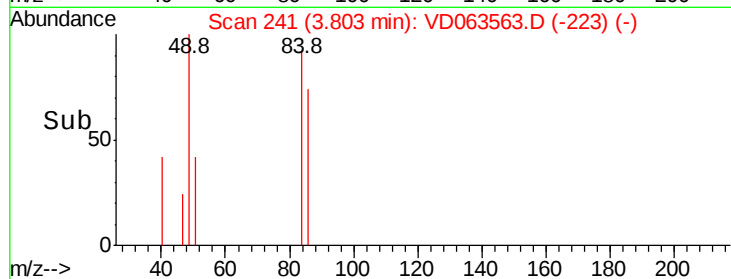
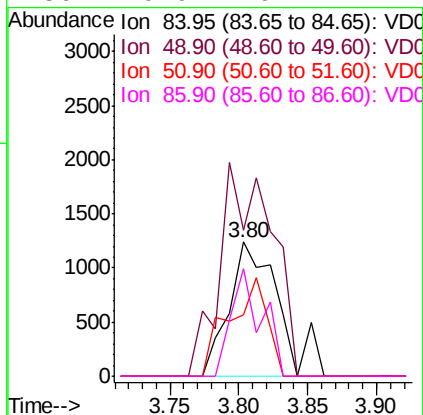
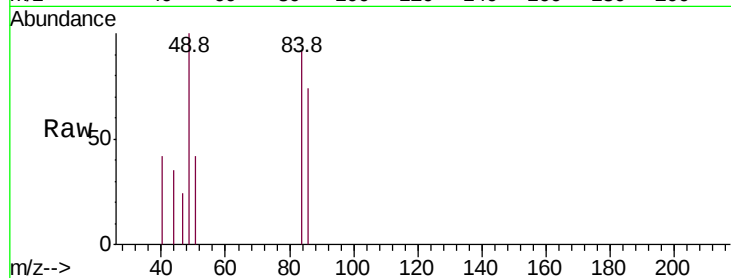




#20  
Methylene Chloride  
Concen: 30.742 ug/l  
RT: 3.80 min Scan# 241  
Delta R.T. -0.02 min  
Lab File: VD063563.D  
Acq: 14 Aug 2019 9:22

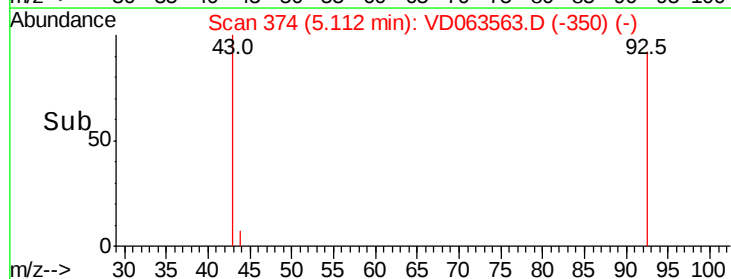
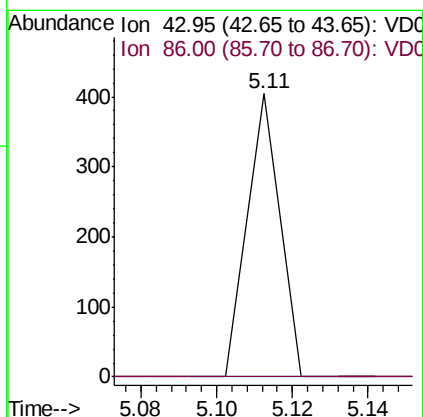
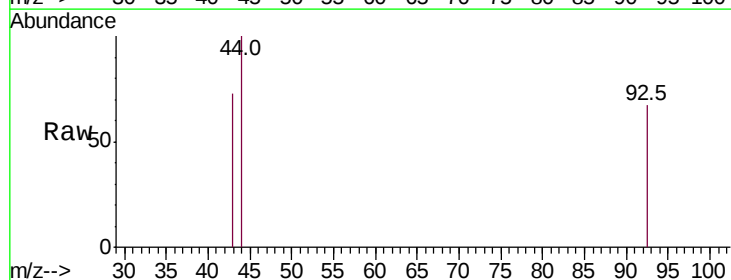
Instrument :  
MSVOA\_D  
ClientSampleId :

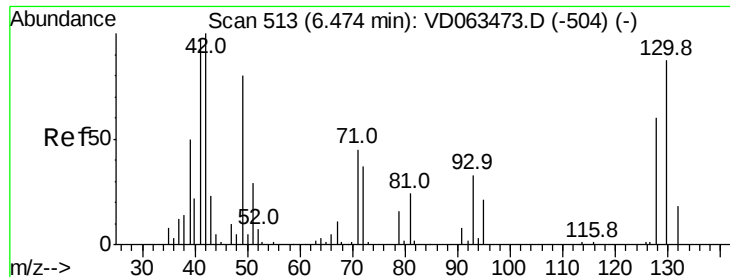
Tot Ion: 84 Resp: 3123  
Ion Ratio Lower Upper  
84 100  
49 108.6 103.4 155.2  
51 45.8 28.5 42.7#  
86 79.9 49.4 74.2#



#23  
Vinyl Acetate  
Concen: 1.517 ug/l  
RT: 5.11 min Scan# 374  
Delta R.T. 0.04 min  
Lab File: VD063563.D  
Acq: 14 Aug 2019 9:22

Tgt Ion: 43 Resp: 239  
Ion Ratio Lower Upper  
43 100  
86 0.0 4.8 7.2#





#29

Tetrahydrofuran

Concen: 50.777 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampleId :

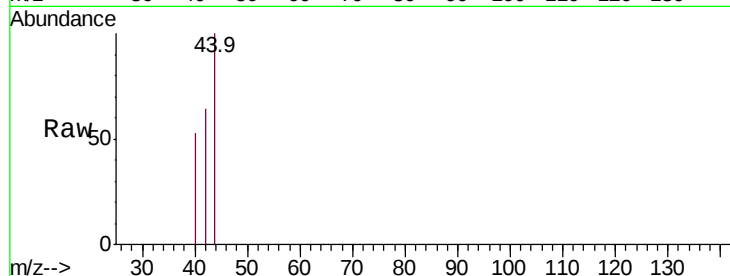
Tot Ion: 42 Resp: 549

Ion Ratio Lower Upper

42 100

72 51.2 31.5 47.3#

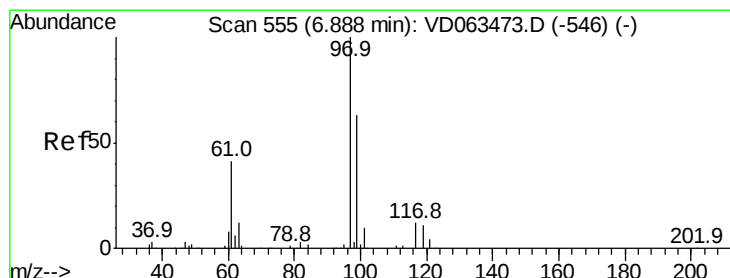
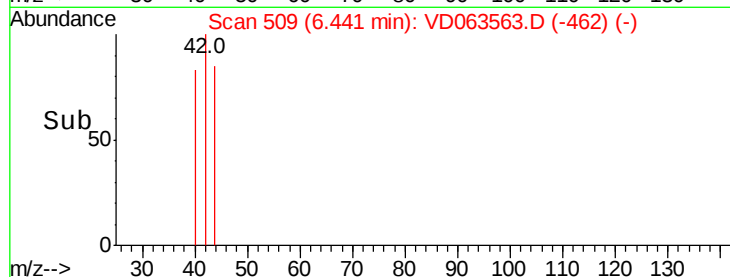
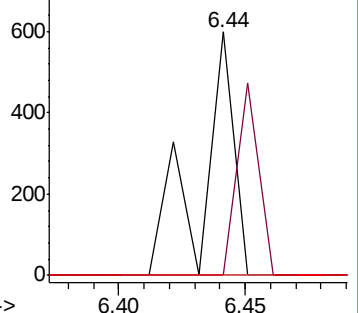
71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#32

1,1,1-Trichloroethane

Concen: 1.016 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.05 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

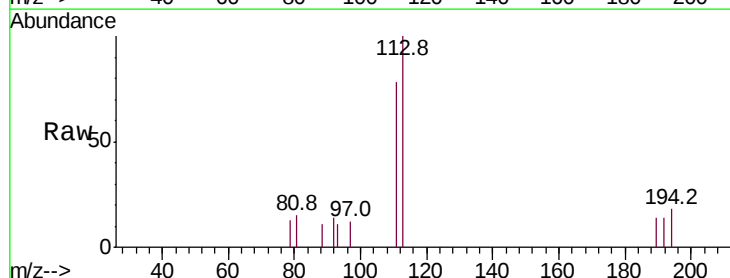
Tgt Ion: 97 Resp: 203

Ion Ratio Lower Upper

97 100

99 0.0 50.2 75.4#

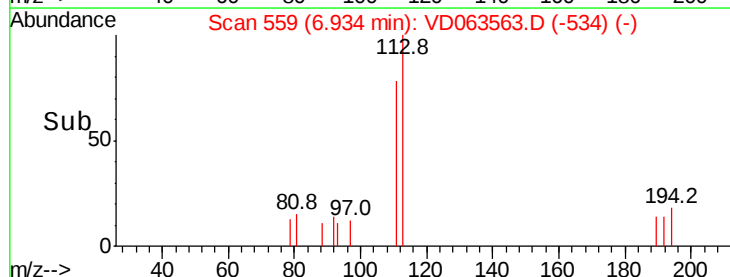
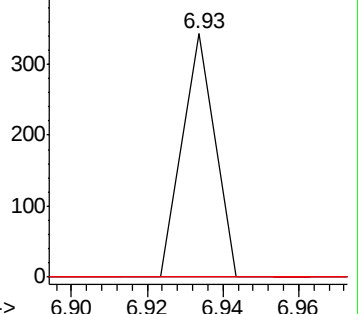
61 0.0 33.1 49.7#

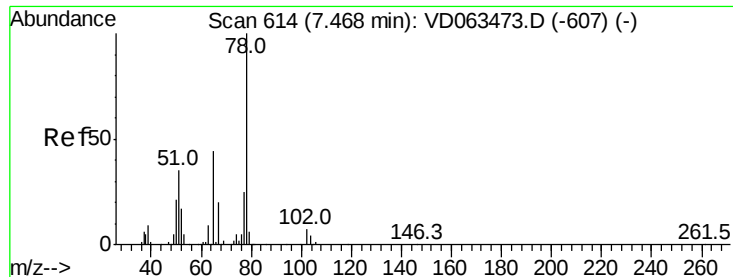


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 74.888 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

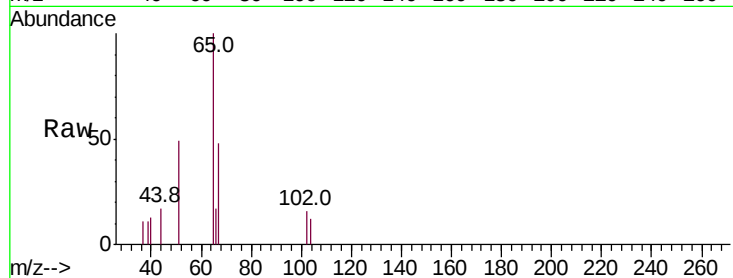
ClientSampleId :

Tot Ion: 65 Resp: 8655

Ion Ratio Lower Upper

65 100

67 47.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

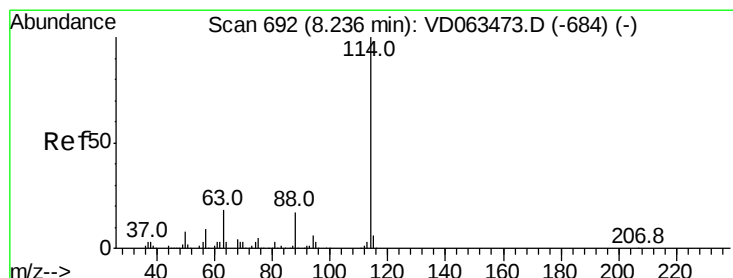
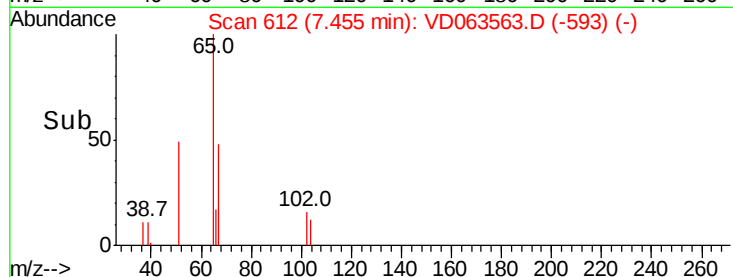
3000

2000

1000

0

Time--> 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

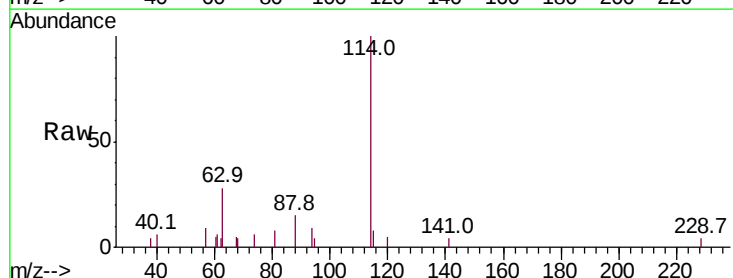
Tgt Ion: 114 Resp: 19791

Ion Ratio Lower Upper

114 100

63 28.3 0.0 36.2

88 15.4 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

8.22

10000

8000

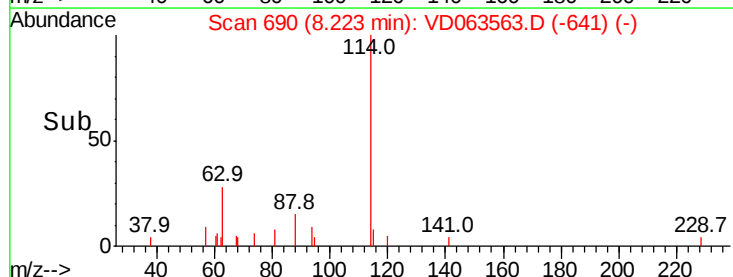
6000

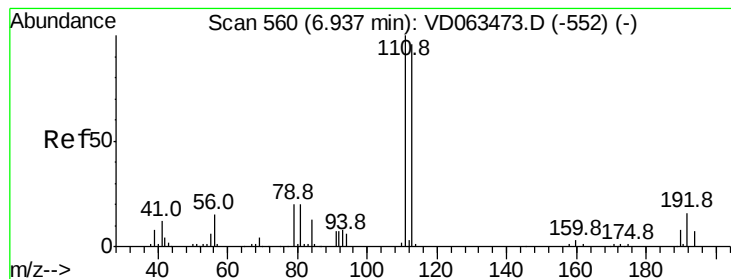
4000

2000

0

Time--> 8.10 8.20 8.30





#35

Dibromofluoromethane

Concen: 42.356 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :  
MSVOA\_D  
ClientSampleId :

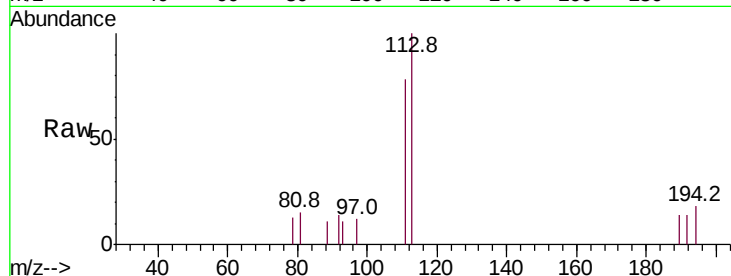
Tot Ion:113 Resp: 7060

Ion Ratio Lower Upper

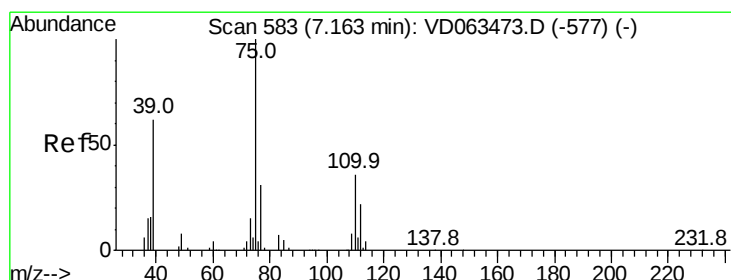
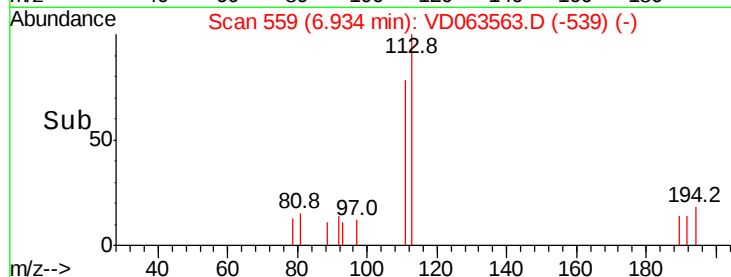
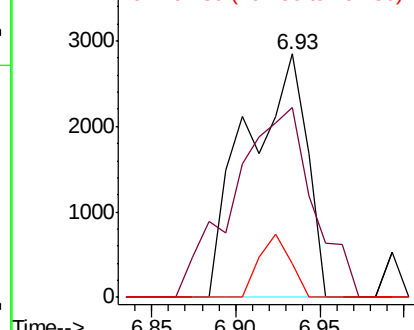
113 100

111 78.1 83.1 124.7#

192 14.1 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: 1.612 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

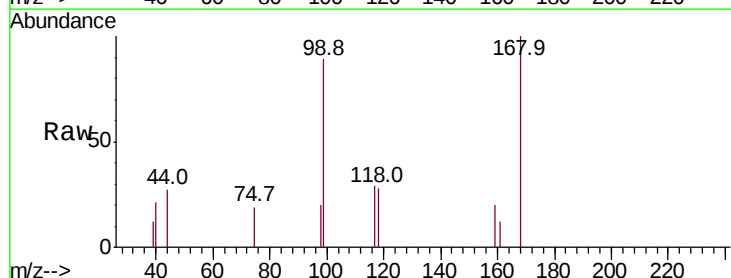
Tgt Ion: 75 Resp: 282

Ion Ratio Lower Upper

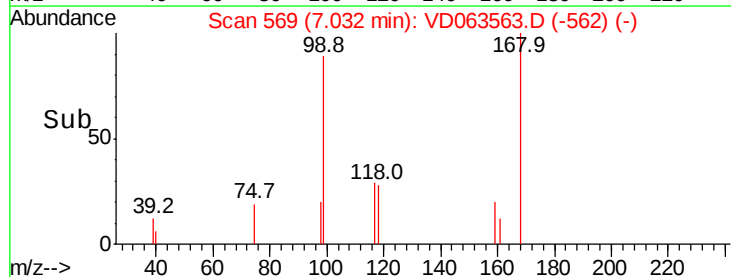
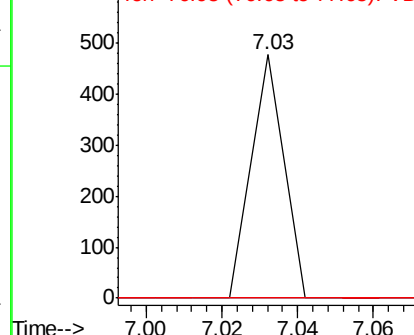
75 100

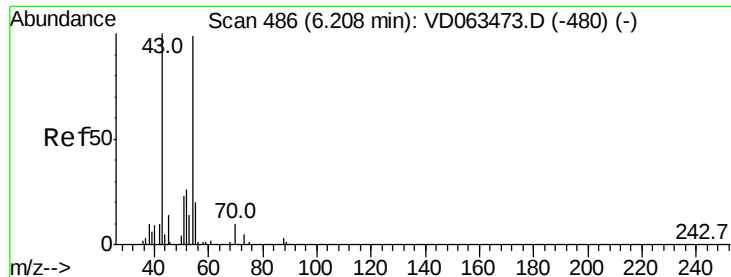
110 0.0 17.6 52.8#

77 0.0 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: 2.469 ug/l

RT: 6.24 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampleId :

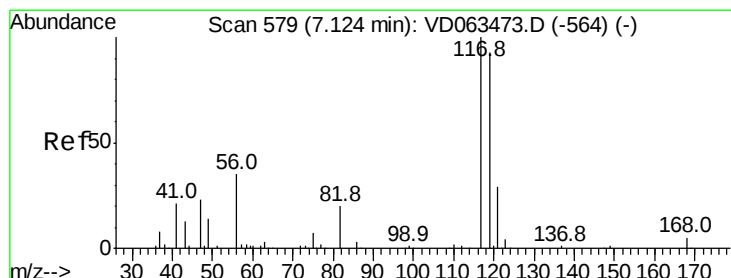
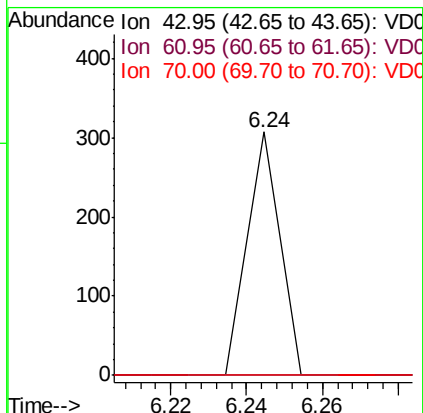
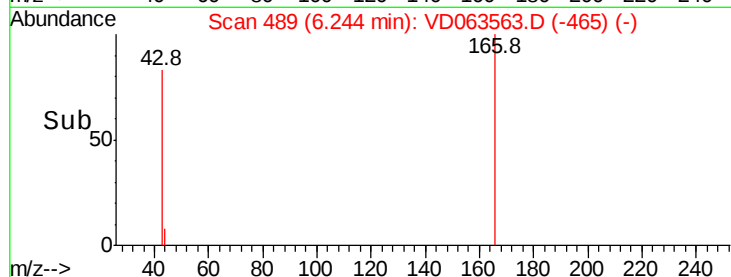
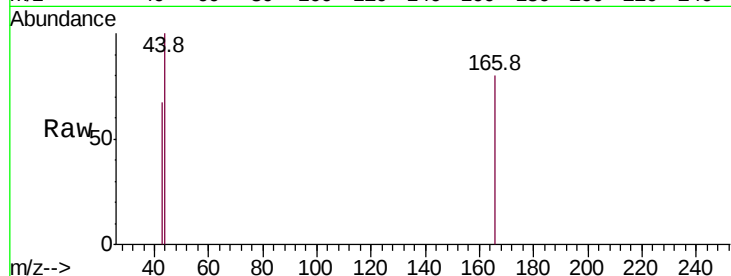
Tot Ion: 43 Resp: 181

Ion Ratio Lower Upper

43 100

61 0.0 9.0 13.6#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 3.095 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

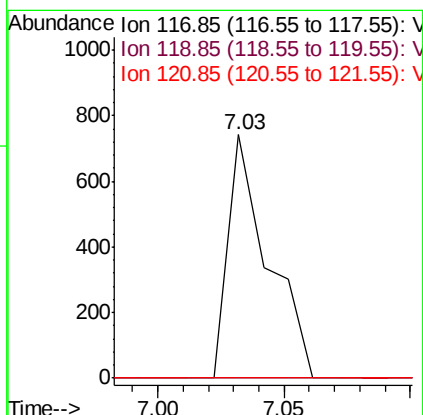
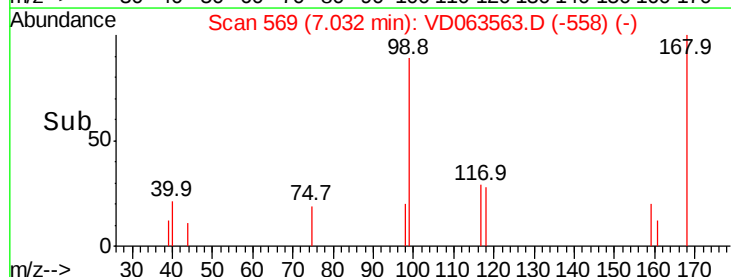
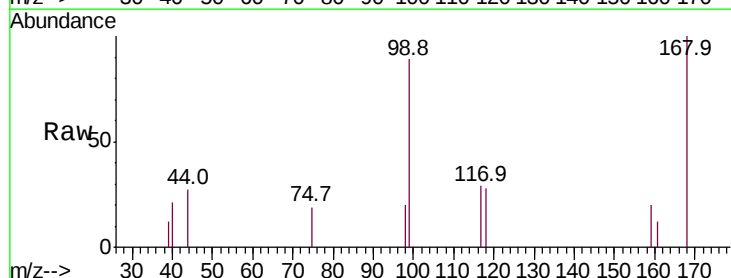
Tgt Ion: 117 Resp: 816

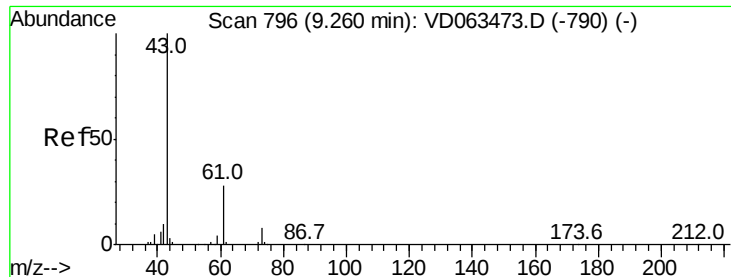
Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

121 0.0 23.1 34.7#





#43

Isopropyl Acetate

Concen: 2.505 ug/l

RT: 9.55 min Scan# 825

Delta R.T. 0.29 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampled :

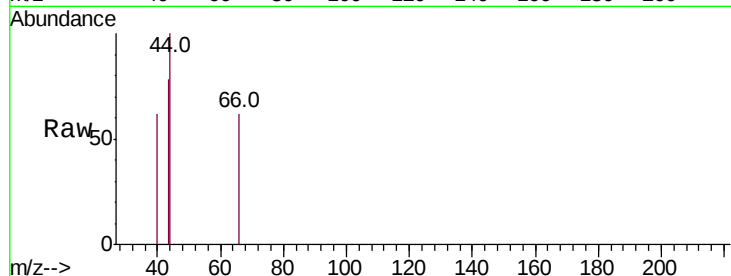
Tot Ion: 43 Resp: 246

Ion Ratio Lower Upper

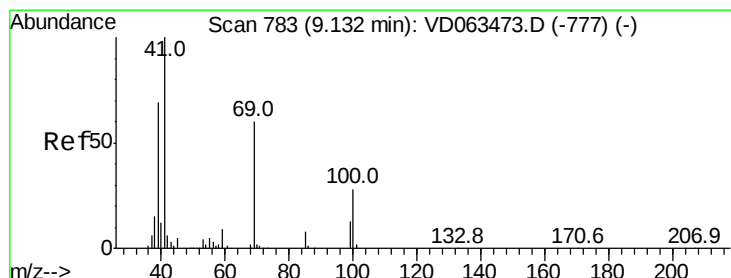
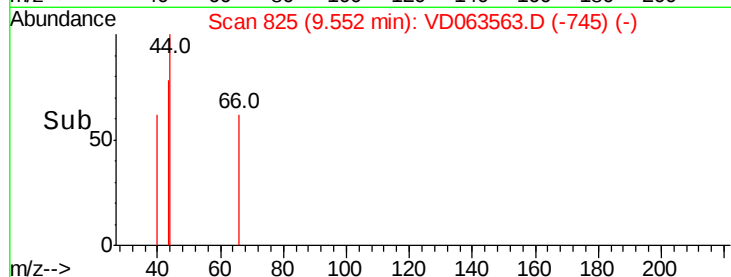
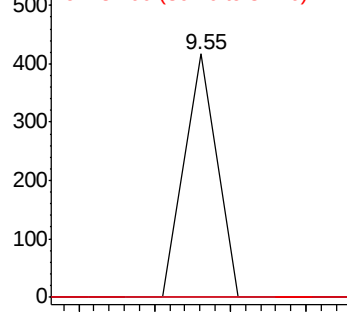
43 100

61 0.0 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



#48

Methyl methacrylate

Concen: 3.709 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.08 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

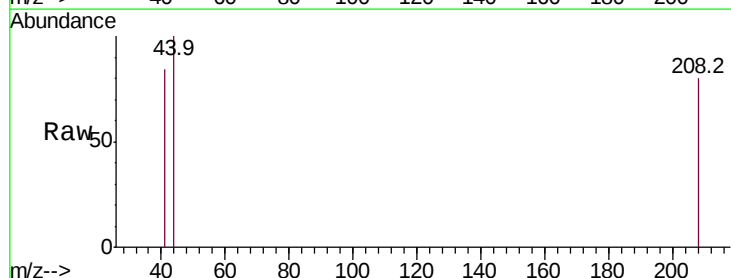
Tgt Ion: 41 Resp: 247

Ion Ratio Lower Upper

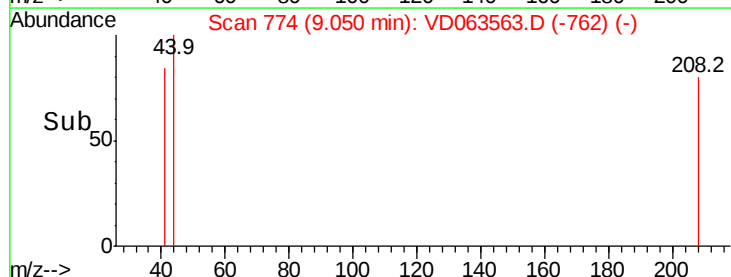
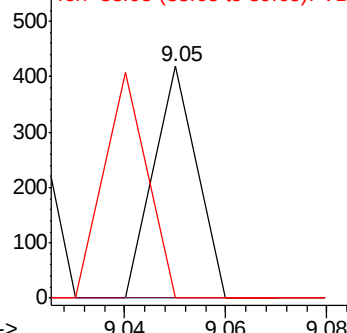
41 100

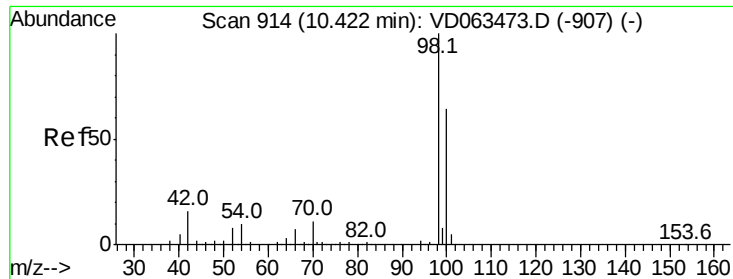
69 0.0 47.6 71.4#

39 0.0 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

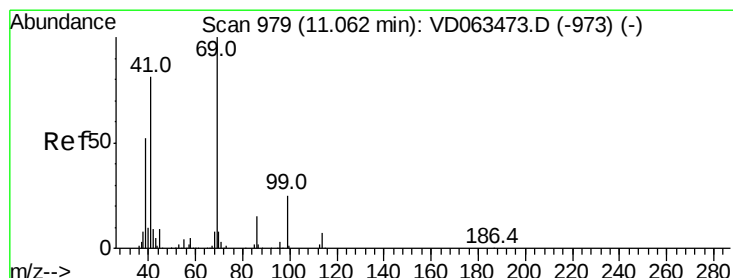
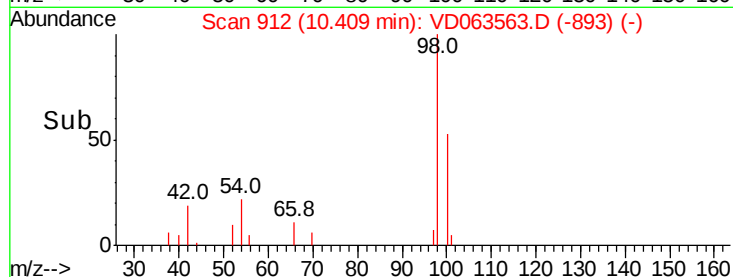
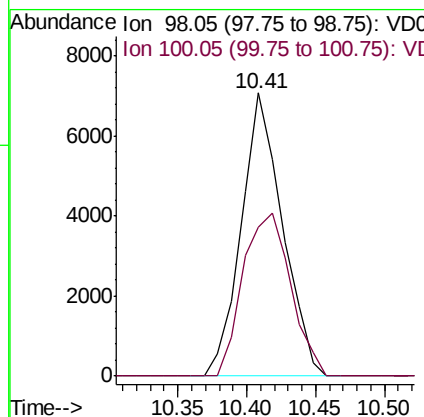
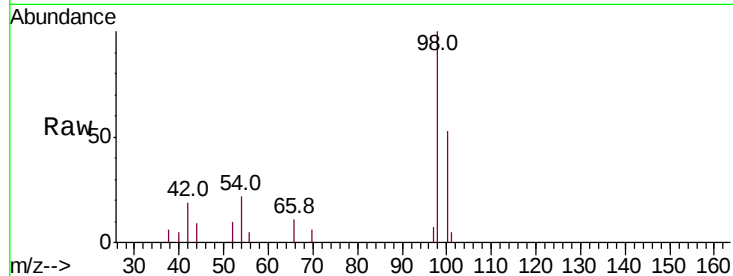




#50  
Toluene-d8  
Concen: 40.158 ug/l  
RT: 10.41 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: VD063563.D  
Acq: 14 Aug 2019 9:22

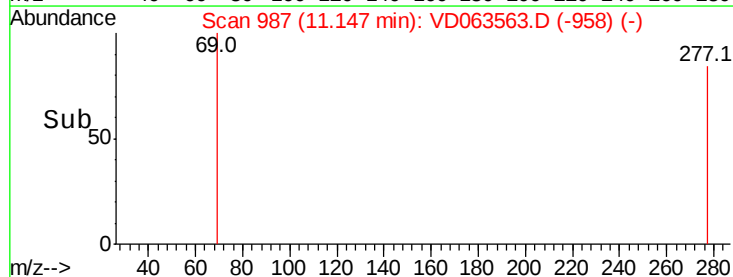
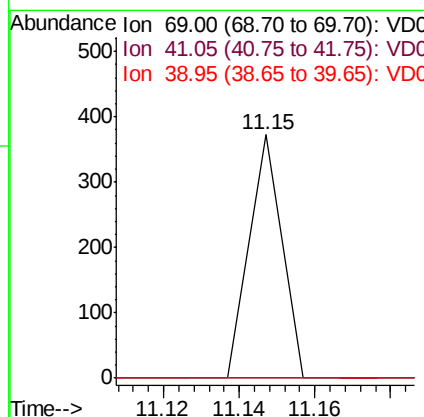
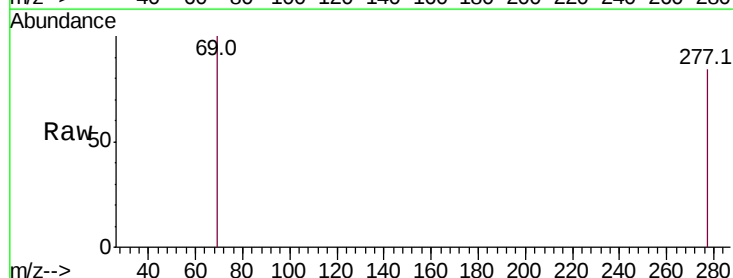
Instrument :  
MSVOA\_D  
ClientSampleId :

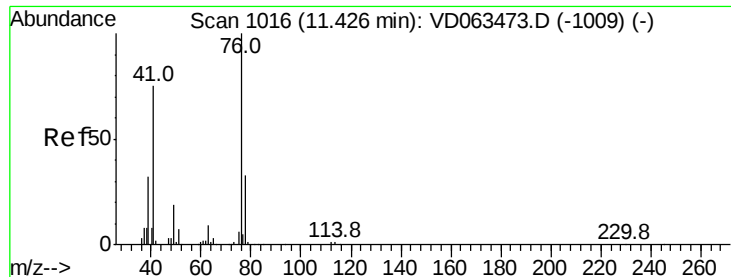
Tot Ion: 98 Resp: 14716  
Ion Ratio Lower Upper  
98 100  
100 52.8 51.7 77.5



#56  
Ethyl methacrylate  
Concen: 2.420 ug/l  
RT: 11.15 min Scan# 987  
Delta R.T. 0.09 min  
Lab File: VD063563.D  
Acq: 14 Aug 2019 9:22

Tgt Ion: 69 Resp: 220  
Ion Ratio Lower Upper  
69 100  
41 0.0 64.8 97.2#  
39 0.0 42.4 63.6#

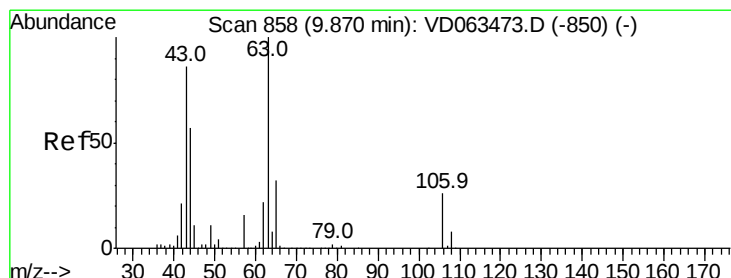
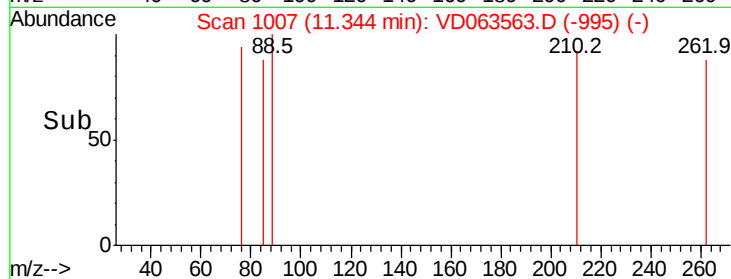
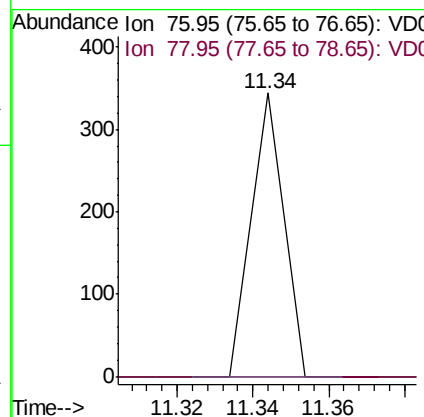
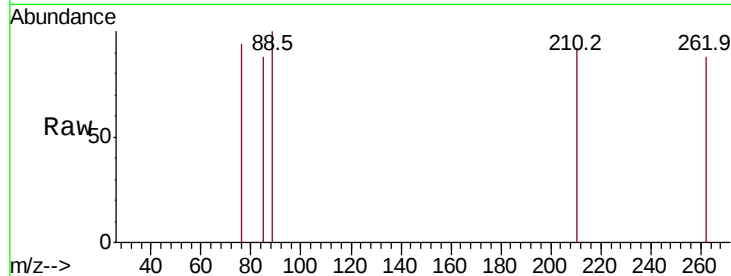




#57  
 1,3-Dichloropropane  
 Concen: 1.603 ug/l  
 RT: 11.34 min Scan# 1007  
 Delta R.T. -0.08 min  
 Lab File: VD063563.D  
 Acq: 14 Aug 2019 9:22

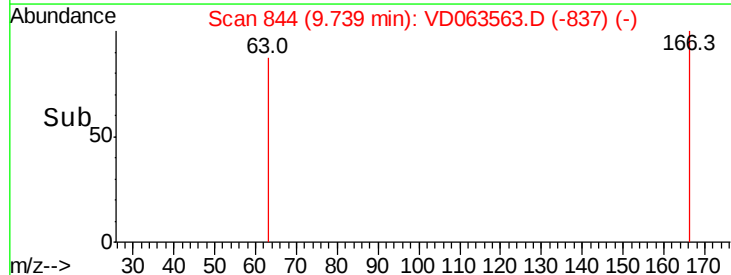
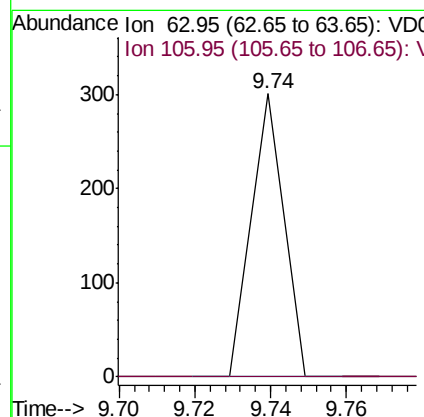
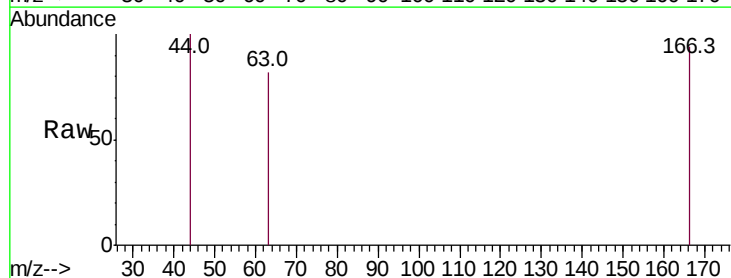
Instrument :  
 MSVOA\_D  
 ClientSampleId :

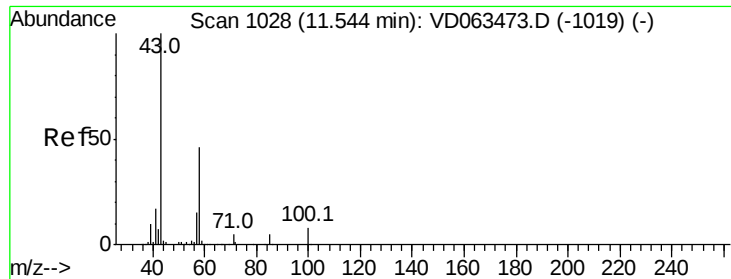
Tot Ion: 76 Resp: 203  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 26.3 39.5#



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 3.708 ug/l  
 RT: 9.74 min Scan# 844  
 Delta R.T. -0.13 min  
 Lab File: VD063563.D  
 Acq: 14 Aug 2019 9:22

Tgt Ion: 63 Resp: 178  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 20.8 31.2#





#59

2-Hexanone

Concen: 3.825 ug/l

RT: 11.49 min Scan# 1022

Delta R.T. -0.05 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

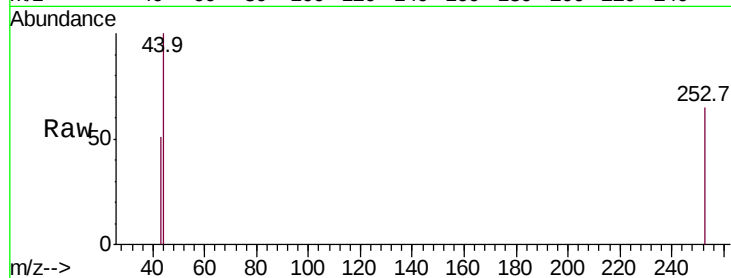
ClientSampleId :

Tot Ion: 43 Resp: 187

Ion Ratio Lower Upper

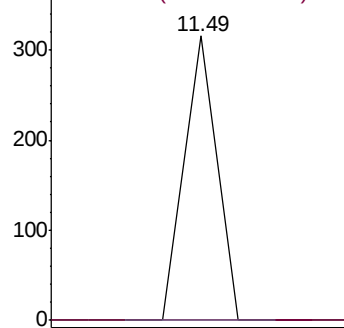
43 100

58 0.0 23.1 69.2#

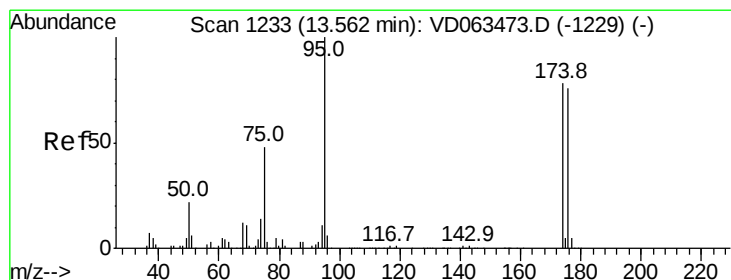
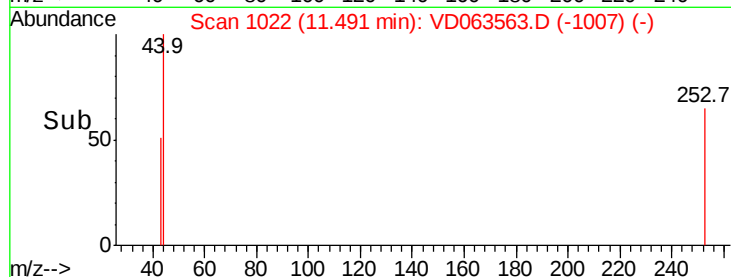


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 49.593 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

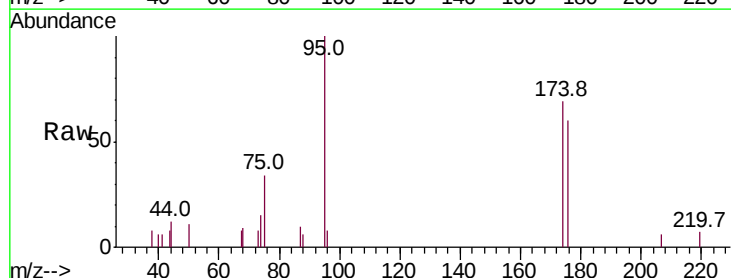
Tgt Ion: 95 Resp: 8237

Ion Ratio Lower Upper

95 100

174 69.1 0.0 155.4

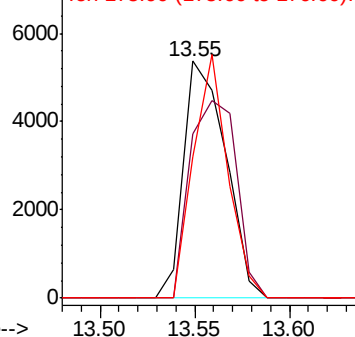
176 59.5 0.0 152.4



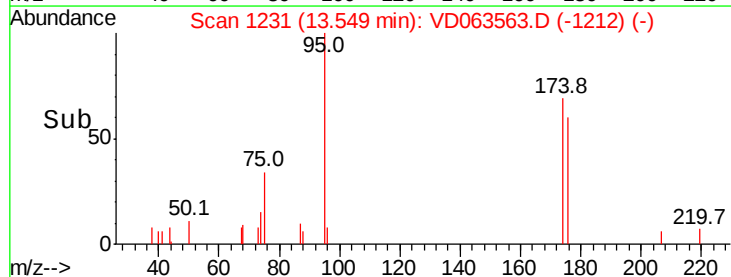
Abundance Ion 95.00 (94.70 to 95.70): VDC

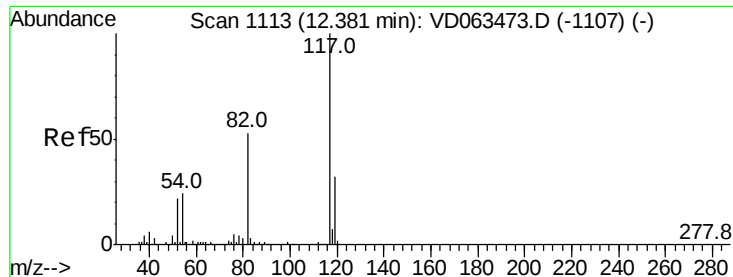
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

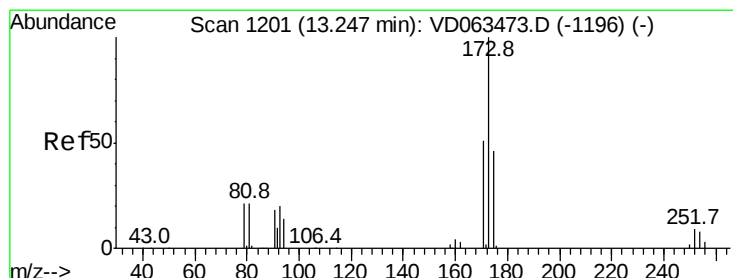
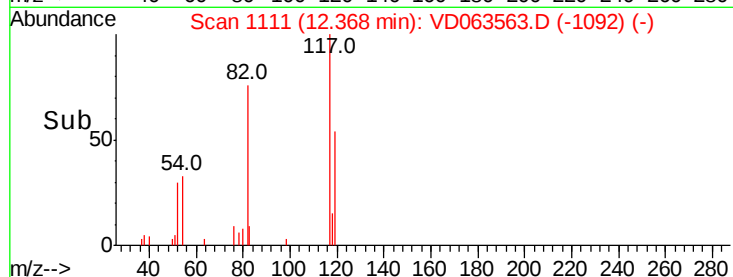
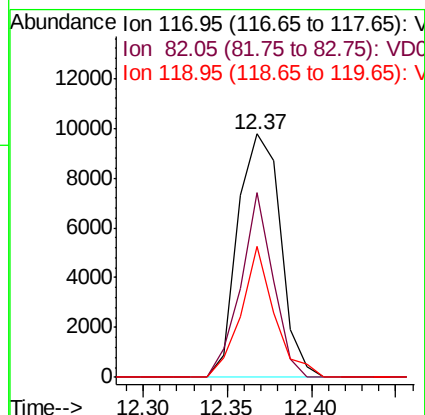
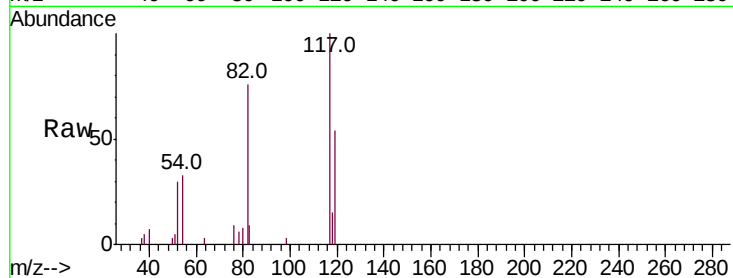




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD063563.D  
Acq: 14 Aug 2019 9:22

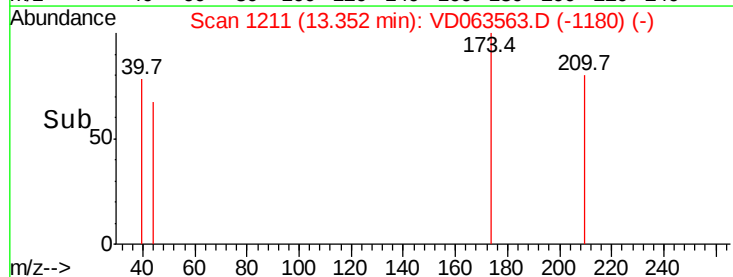
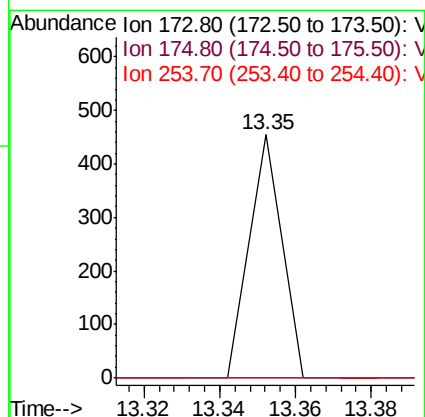
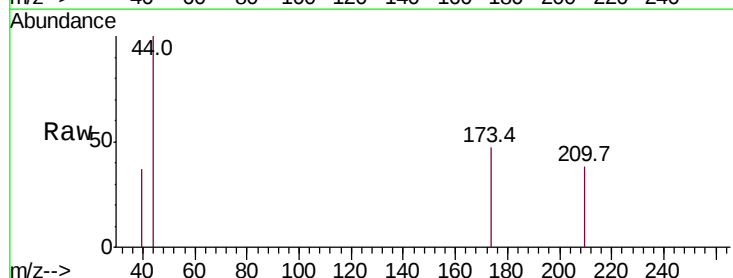
Instrument :  
MSVOA\_D  
ClientSampleId :

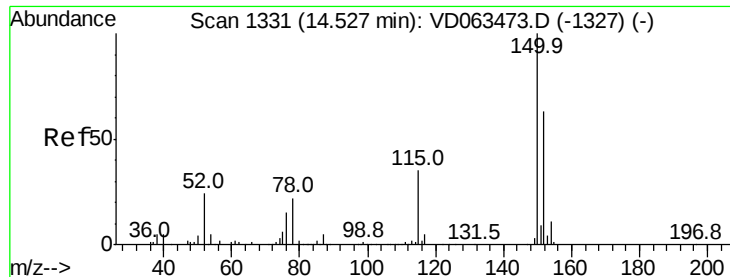
Tot Ion:117 Resp: 17117  
Ion Ratio Lower Upper  
117 100  
82 75.8 42.0 63.0#  
119 53.6 25.4 38.0#



#71  
Bromoform  
Concen: 2.779 ug/l  
RT: 13.35 min Scan# 1211  
Delta R.T. 0.10 min  
Lab File: VD063563.D  
Acq: 14 Aug 2019 9:22

Tgt Ion:173 Resp: 269  
Ion Ratio Lower Upper  
173 100  
175 0.0 22.8 68.3#  
254 0.0 6.6 9.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampleId :

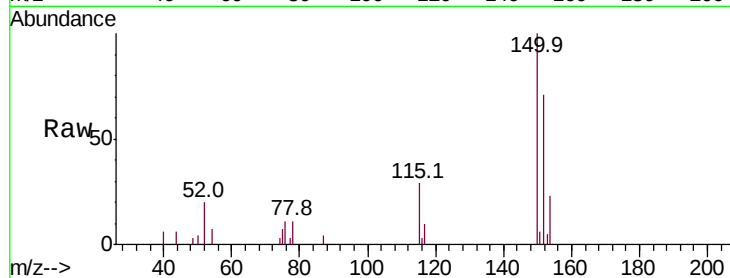
Tot Ion:152 Resp: 9427

Ion Ratio Lower Upper

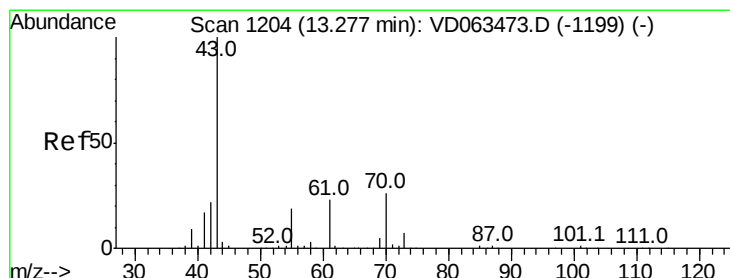
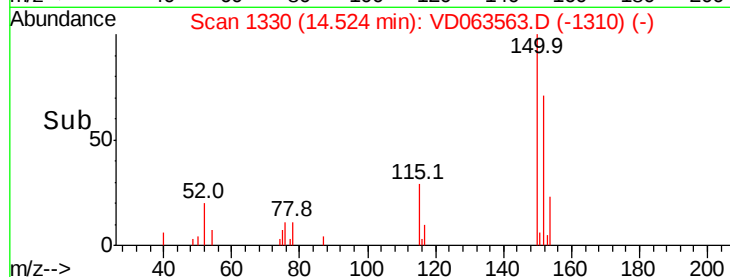
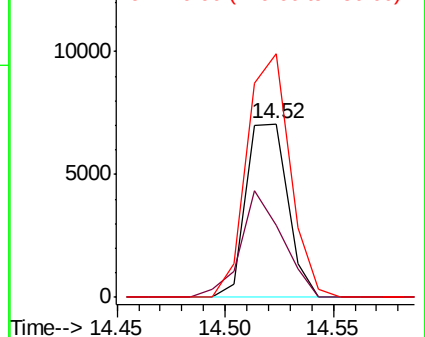
152 100

115 41.4 30.9 92.7

150 140.4 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



#74

N-ethyl acetate

Concen: 2.146 ug/l

RT: 13.13 min Scan# 1188

Delta R.T. -0.15 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Tgt Ion: 43 Resp: 323

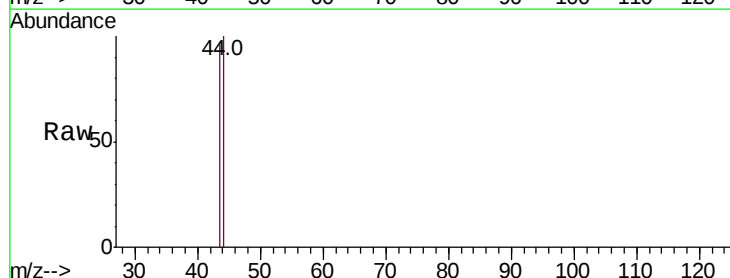
Ion Ratio Lower Upper

43 100

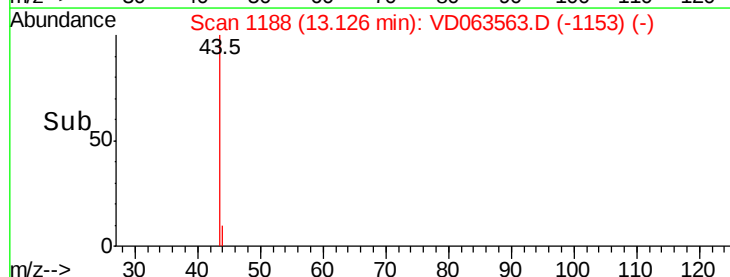
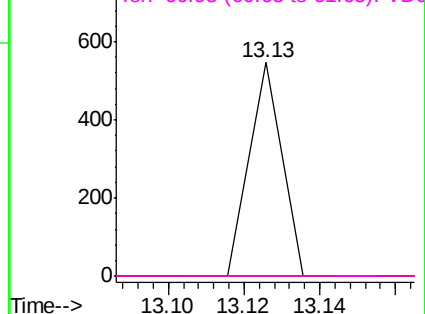
70 0.0 21.1 31.7#

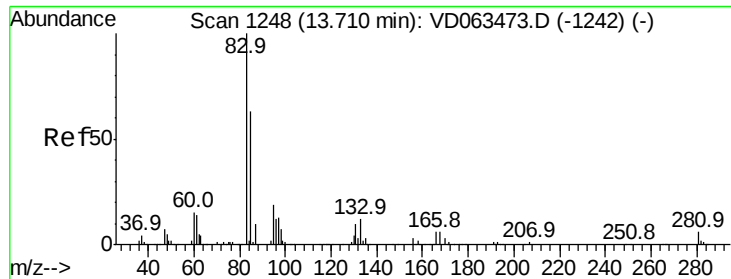
55 0.0 15.4 23.0#

61 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 2.964 ug/l

RT: 13.76 min Scan# 1252

Delta R.T. 0.05 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

Instrument :

MSVOA\_D

ClientSampleId :

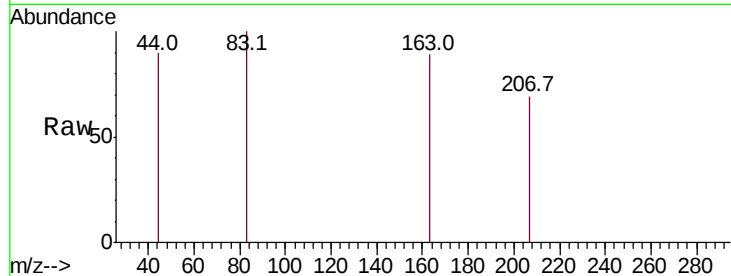
Tot Ion: 83 Resp: 295

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

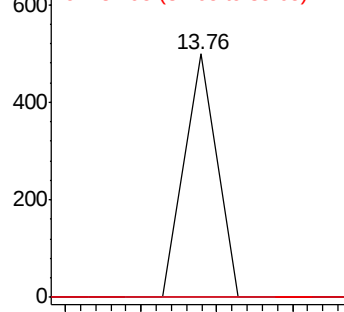
85 0.0 31.4 94.3#



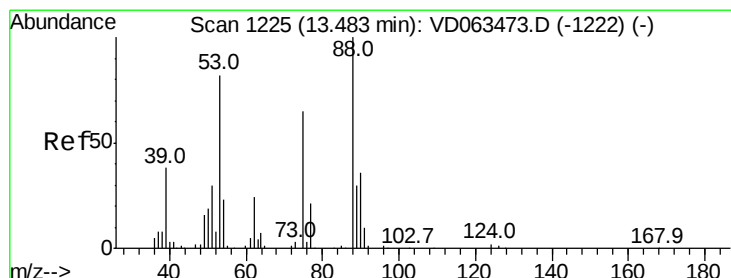
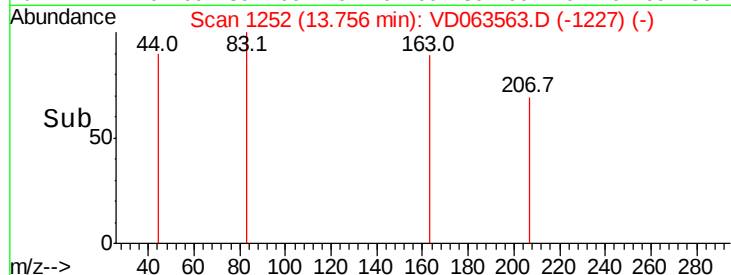
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time--> 13.72 13.74 13.76 13.78



#81

trans-1,4-Dichloro-2-butene

Concen: 113.347 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063563.D

Acq: 14 Aug 2019 9:22

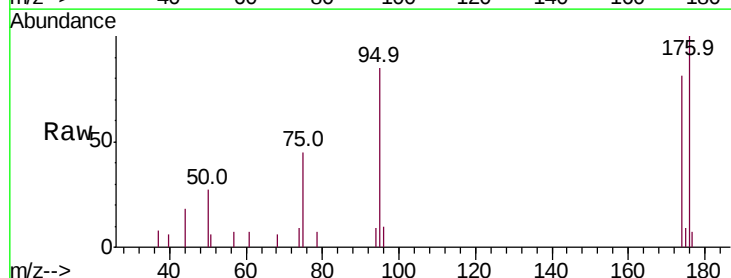
Tgt Ion: 75 Resp: 3296

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

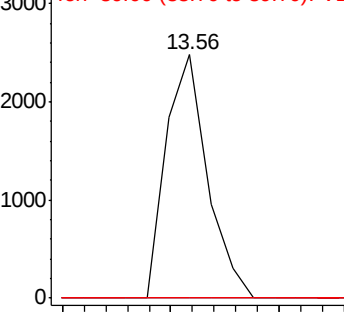
89 0.0 37.0 55.6#



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



Time--> 13.50 13.55 13.60

