

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\  
 Data File : VD063007.D  
 Acq On : 2 Jul 2019 17:28  
 Operator : VA/AP  
 Sample : K3602-01  
 Misc : 5.08g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

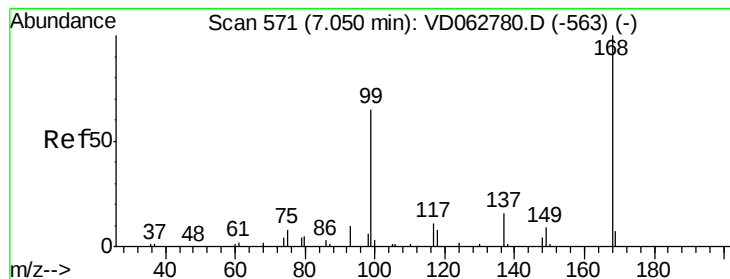
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GP-1

Quant Time: Jul 03 00:57:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 01:50:56 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.06  | 168  | 1069015  | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.23  | 114  | 1420638  | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 12.37 | 117  | 1225637  | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 14.53 | 152  | 629833   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 7.47  | 65   | 466872   | 40.18     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 80.36% |          |
| 35) Dibromofluoromethane       | 6.94  | 113  | 551298   | 46.02     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 92.04% |          |
| 50) Toluene-d8                 | 10.42 | 98   | 1235160  | 47.38     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 94.76% |          |
| 62) 4-Bromofluorobenzene       | 13.56 | 95   | 544464   | 45.93     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 91.86% |          |
| Target Compounds               |       |      |          |           |        |          |
|                                |       |      |          |           | Qvalue |          |
| 16) Acetone                    | 3.25  | 43   | 3577     | Below Cal | #      | 64       |
| 31) Cyclohexane                | 7.05  | 56   | 22347    | 2.048     | ug/l # | 16       |
| 36) 1,1-Dichloropropene        | 7.06  | 75   | 84157    | 6.258     | ug/l # | 53       |
| 37) Ethyl Acetate              | 6.20  | 43   | 809      | Below Cal | #      | 1        |
| 38) Carbon Tetrachloride       | 7.06  | 117  | 105535   | 5.218     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone       | 10.42 | 43   | 8174     | 1.635     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-buten | 13.56 | 75   | 252064   | 132.275   | ug/l # | 2        |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA\_D

ClientSampleId :

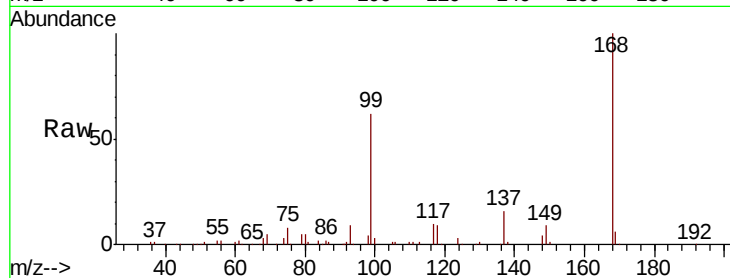
GP-1

Tot Ion:168 Resp: 1069015

Ion Ratio Lower Upper

168 100

99 62.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

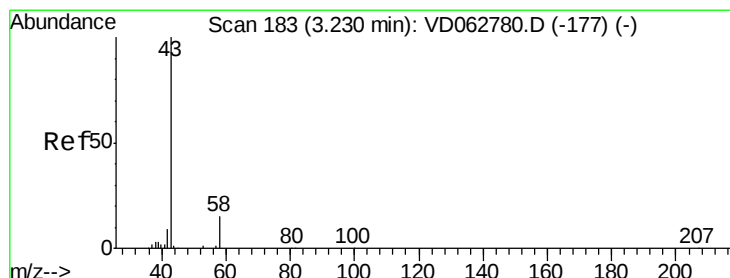
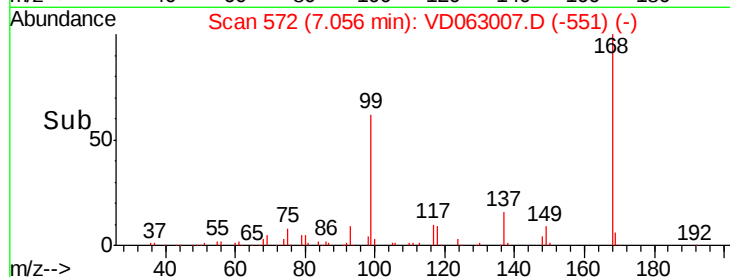
300000

200000

100000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD063007.D

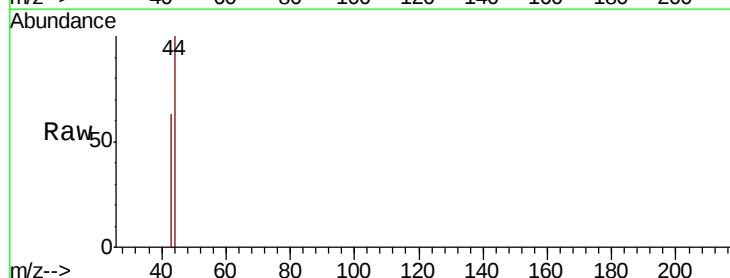
Acq: 2 Jul 2019 17:28

Tgt Ion: 43 Resp: 3577

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.25

1200

1000

800

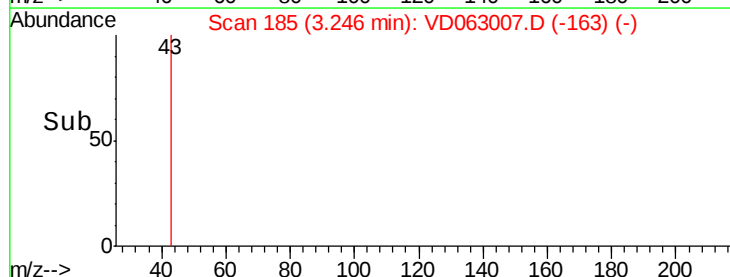
600

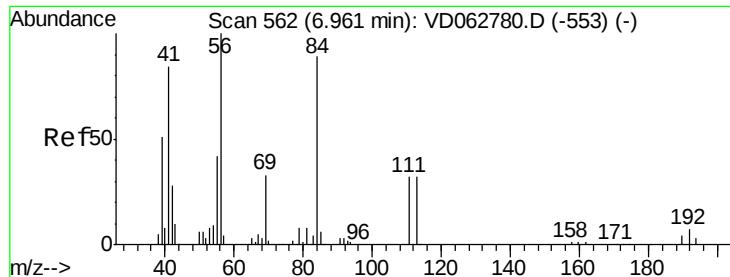
400

200

0

Time-->

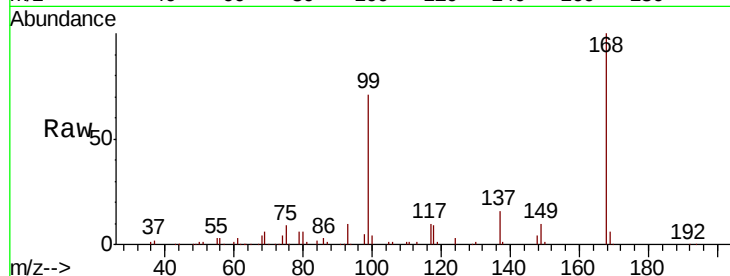




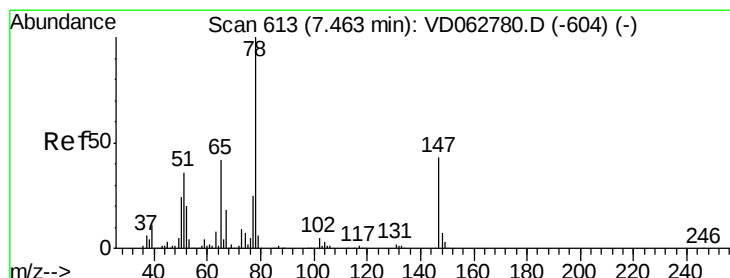
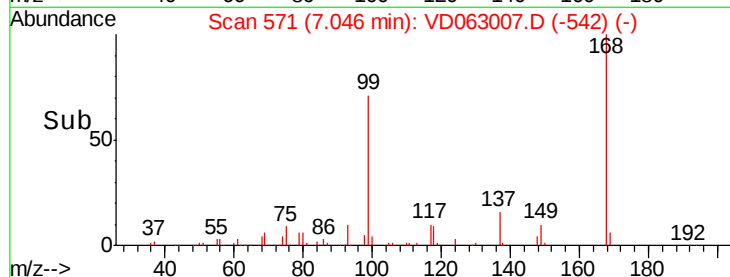
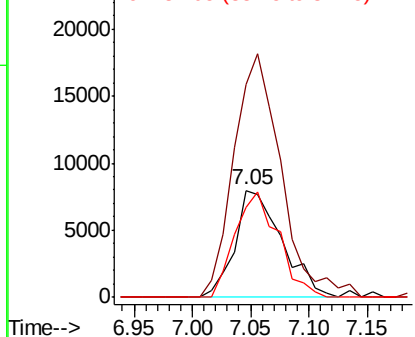
#31  
Cyclohexane  
Concen: 2.048 ug/l  
RT: 7.05 min Scan# 571  
Delta R.T. 0.09 min  
Lab File: VD063007.D  
Acq: 2 Jul 2019 17:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
GP-1

Tot Ion: 56 Resp: 22347  
Ion Ratio Lower Upper  
56 100  
69 199.1 26.6 39.8#  
84 84.3 75.5 113.3

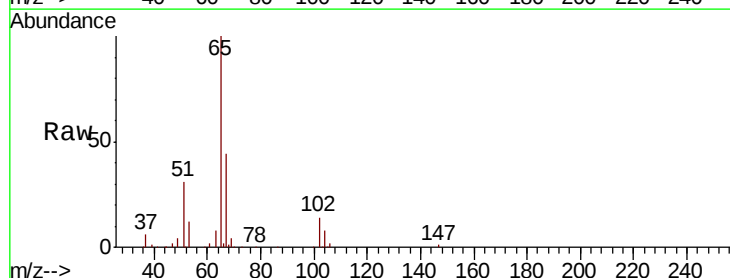


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

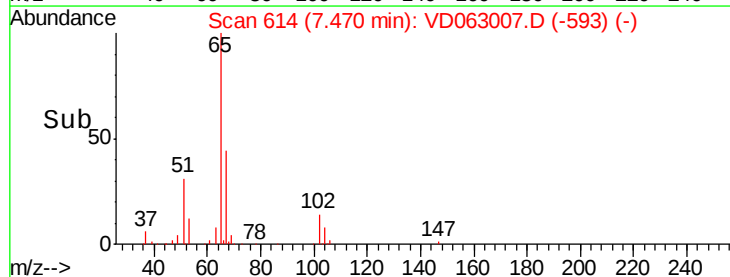
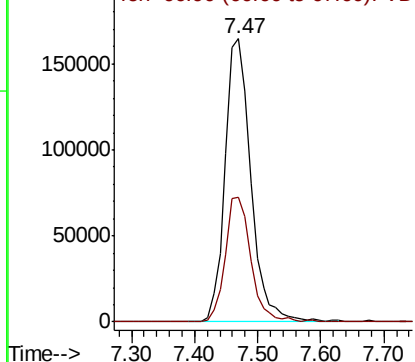


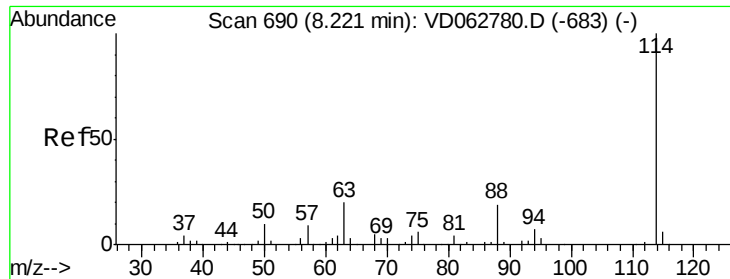
#33  
1,2-Dichloroethane-d4  
Concen: 40.178 ug/l  
RT: 7.47 min Scan# 614  
Delta R.T. 0.01 min  
Lab File: VD063007.D  
Acq: 2 Jul 2019 17:28

Tgt Ion: 65 Resp: 466872  
Ion Ratio Lower Upper  
65 100  
67 44.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

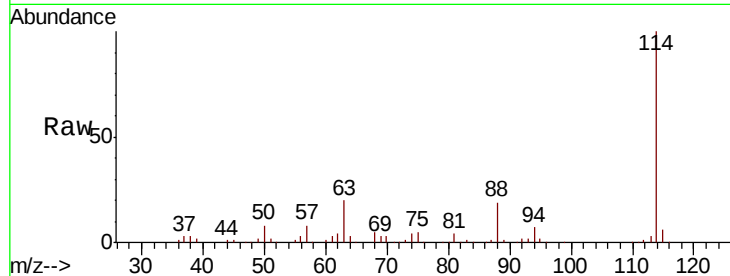




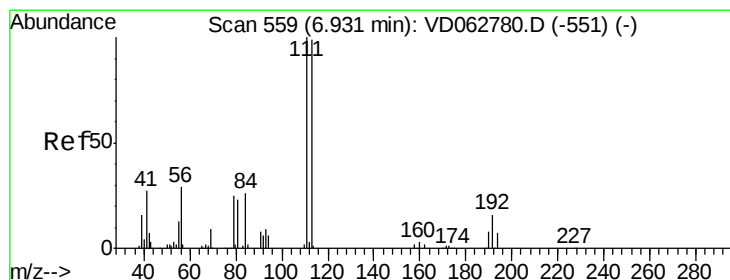
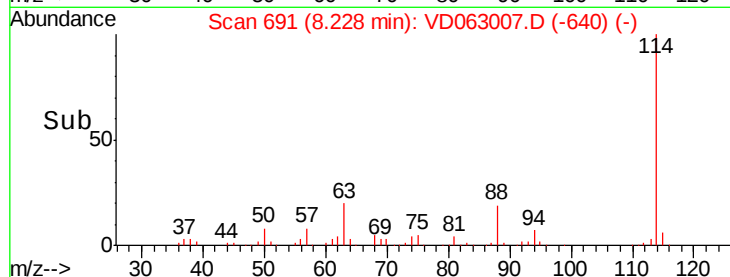
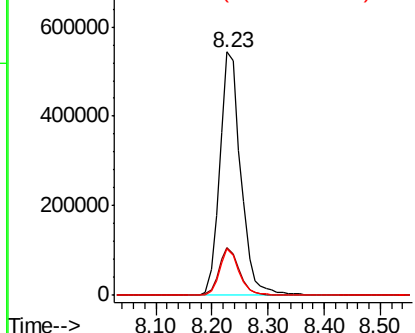
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.23 min Scan# 691  
 Delta R.T. 0.01 min  
 Lab File: VD063007.D  
 Acq: 2 Jul 2019 17:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GP-1

Tot Ion:114 Resp: 1420638  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.0  
 88 19.1 0.0 38.8

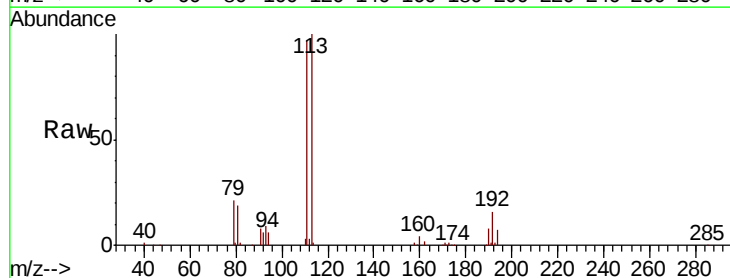


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

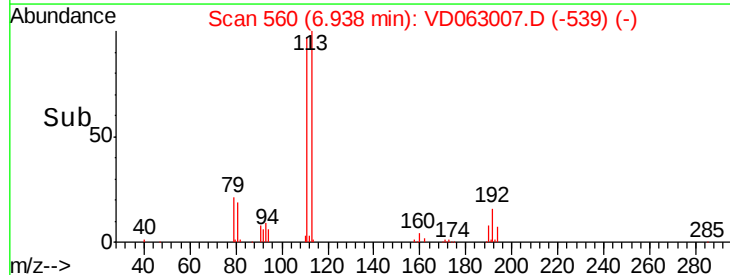
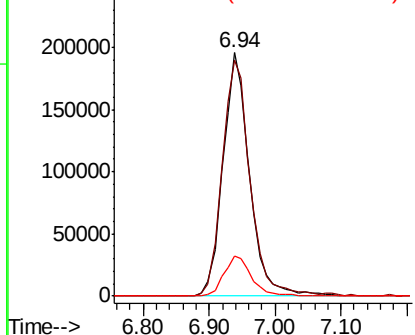


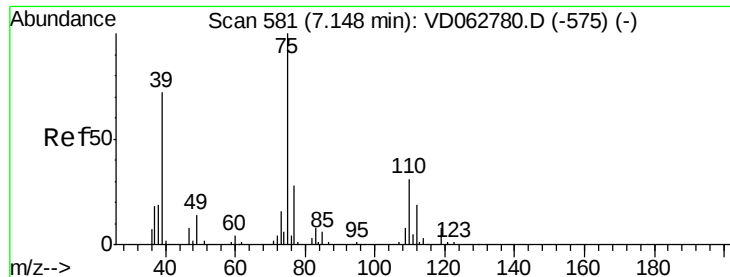
#35  
 Dibromofluoromethane  
 Concen: 46.023 ug/l  
 RT: 6.94 min Scan# 560  
 Delta R.T. 0.01 min  
 Lab File: VD063007.D  
 Acq: 2 Jul 2019 17:28

Tgt Ion:113 Resp: 551298  
 Ion Ratio Lower Upper  
 113 100  
 111 97.0 81.2 121.8  
 192 16.4 12.9 19.3



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: 6.258 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA\_D

ClientSampleId :

GP-1

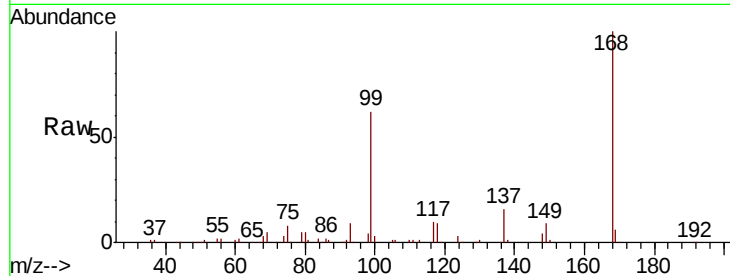
Tot Ion: 75 Resp: 84157

Ion Ratio Lower Upper

75 100

110 7.4 15.0 45.1#

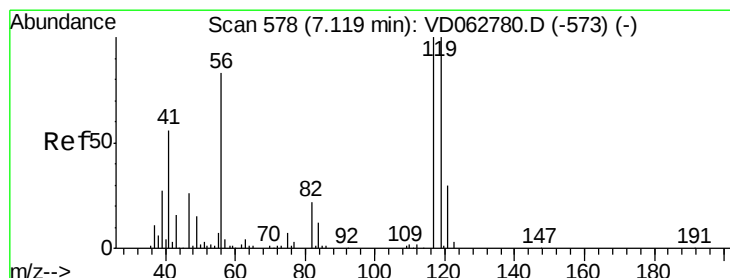
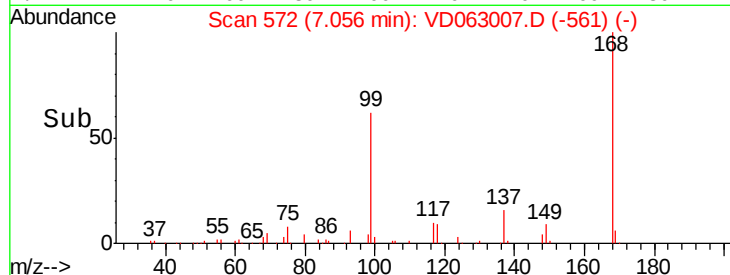
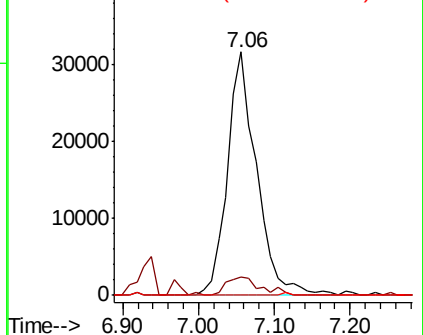
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.218 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

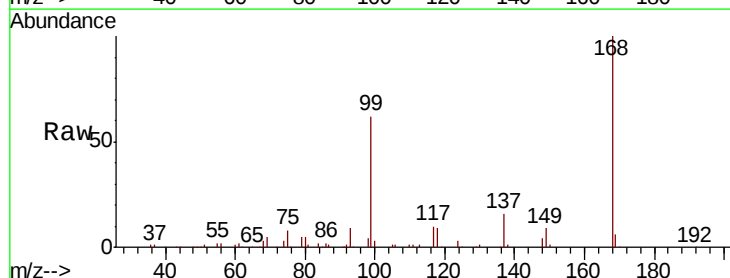
Tgt Ion: 117 Resp: 105535

Ion Ratio Lower Upper

117 100

119 3.3 75.4 113.2#

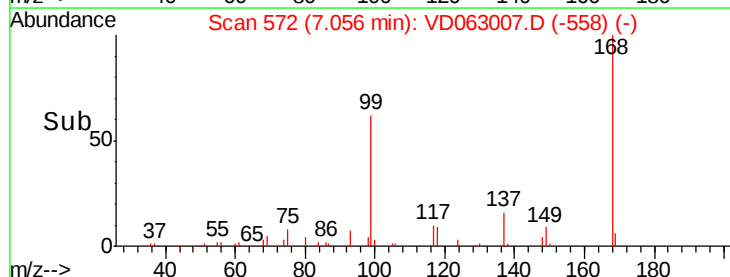
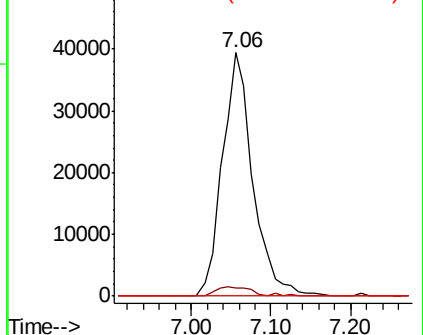
121 0.0 22.3 33.5#

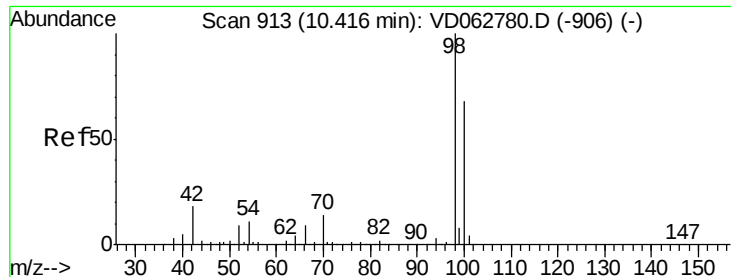


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

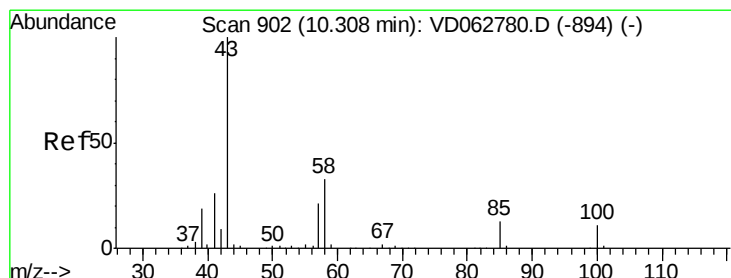
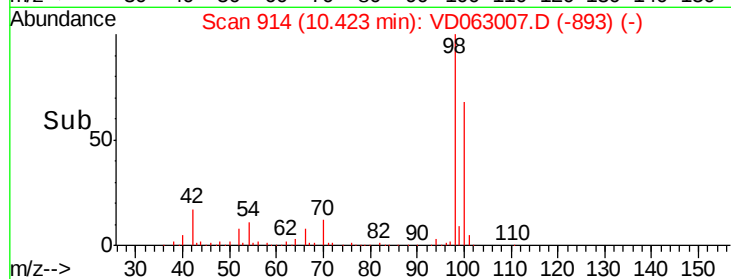
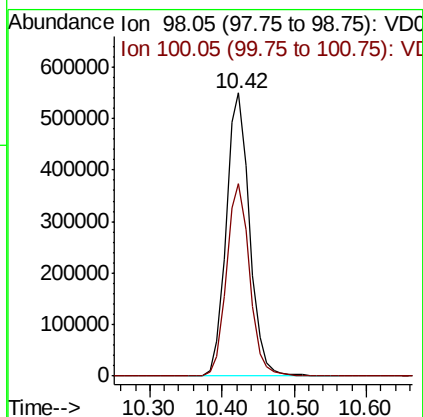
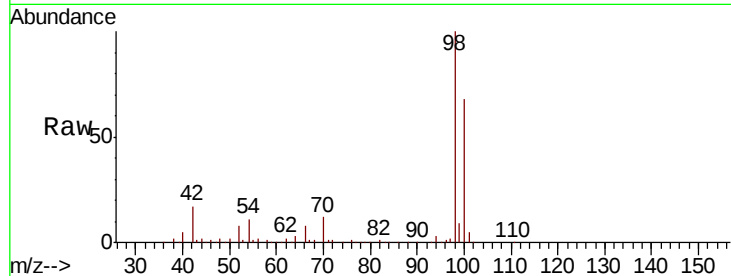




#50  
Toluene-d8  
Concen: 47.376 ug/l  
RT: 10.42 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: VD063007.D  
Acq: 2 Jul 2019 17:28

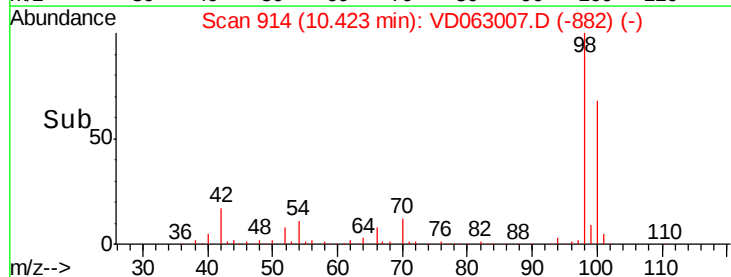
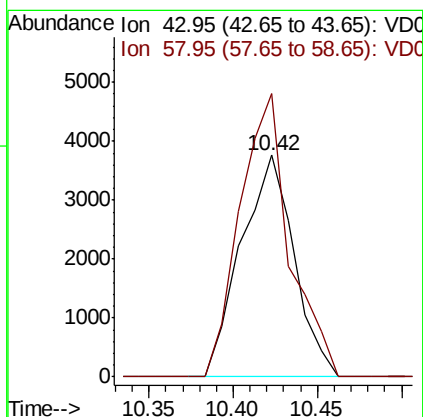
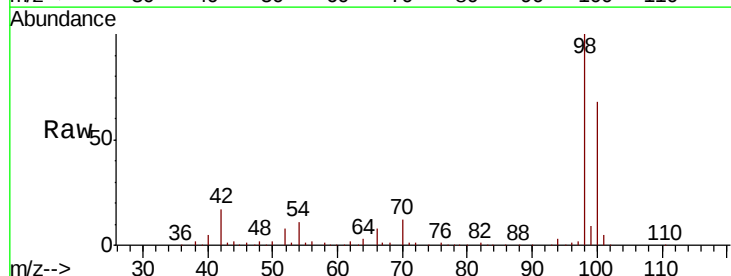
Instrument :  
MSVOA\_D  
ClientSampleID :  
GP-1

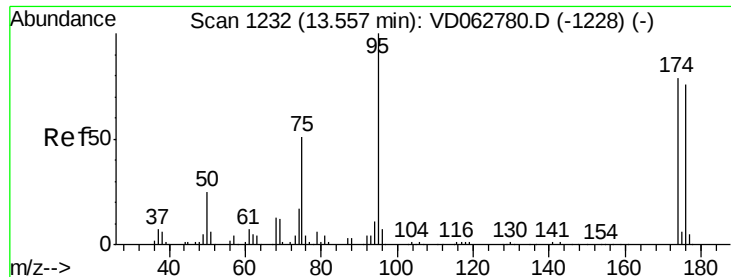
Tot Ion: 98 Resp: 1235160  
Ion Ratio Lower Upper  
98 100  
100 68.1 54.7 82.1



#51  
4-Methyl-2-Pentanone  
Concen: 1.635 ug/l  
RT: 10.42 min Scan# 914  
Delta R.T. 0.11 min  
Lab File: VD063007.D  
Acq: 2 Jul 2019 17:28

Tgt Ion: 43 Resp: 8174  
Ion Ratio Lower Upper  
43 100  
58 127.8 26.6 40.0#





#62

4-Bromofluorobenzene

Concen: 45.928 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA\_D

ClientSampled :

GP-1

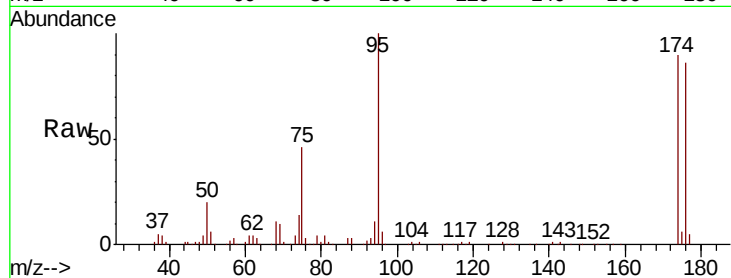
Tot Ion: 95 Resp: 544464

Ion Ratio Lower Upper

95 100

174 90.3 0.0 158.0

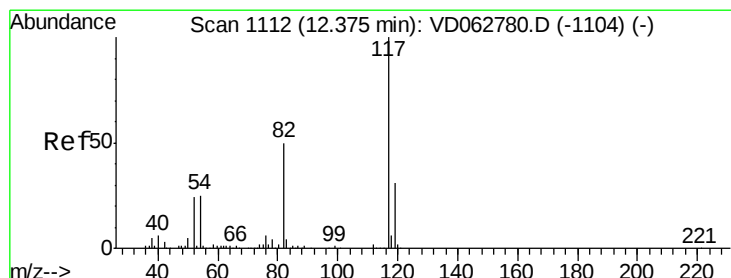
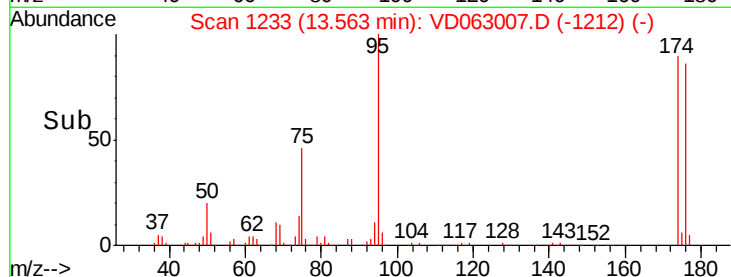
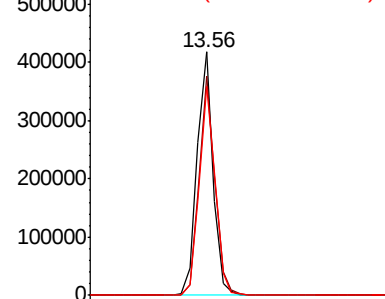
176 85.9 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

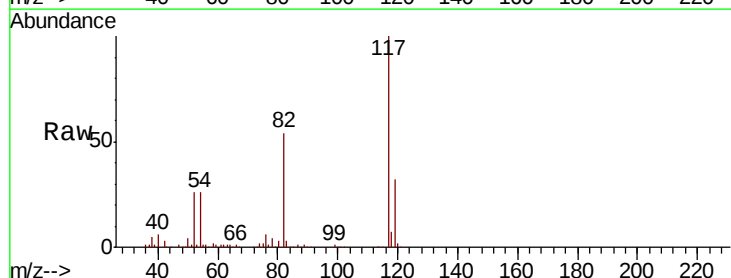
Tgt Ion: 117 Resp: 1225637

Ion Ratio Lower Upper

117 100

82 53.9 40.4 60.6

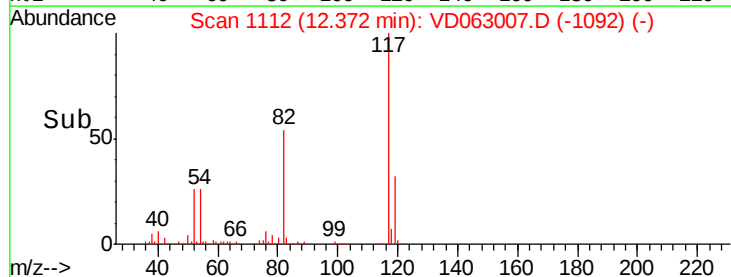
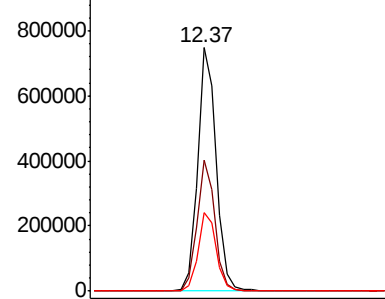
119 32.4 25.2 37.8

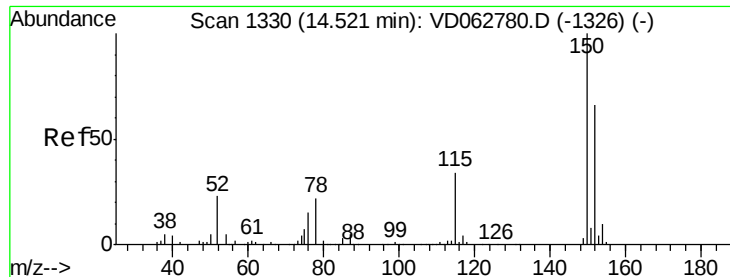


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

Instrument :

MSVOA\_D

ClientSampleId :

GP-1

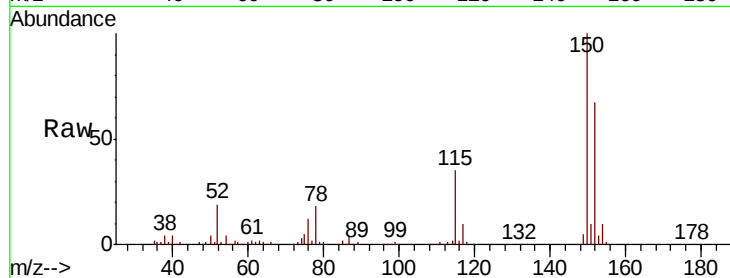
Tot Ion:152 Resp: 629833

Ion Ratio Lower Upper

152 100

115 51.3 29.2 87.6

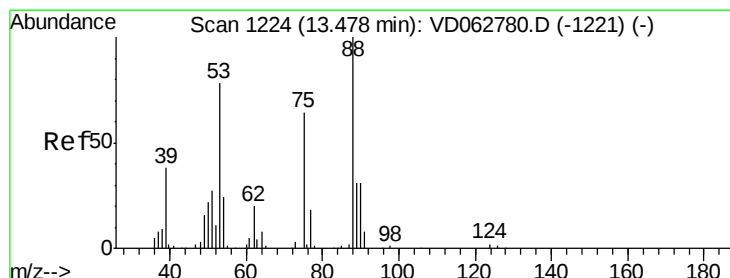
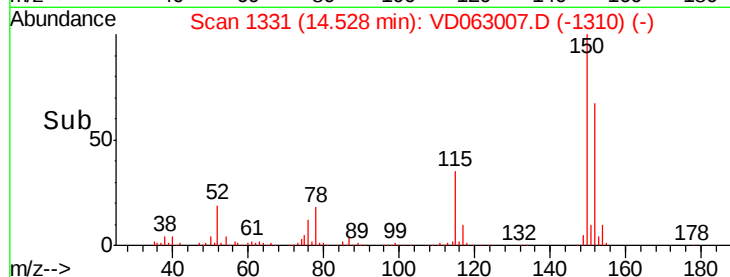
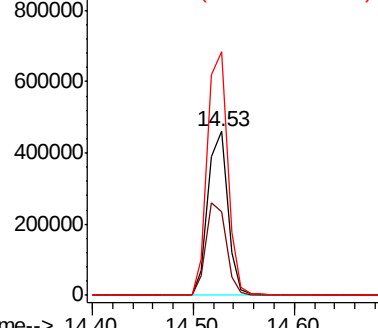
150 148.4 0.0 305.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 132.275 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD063007.D

Acq: 2 Jul 2019 17:28

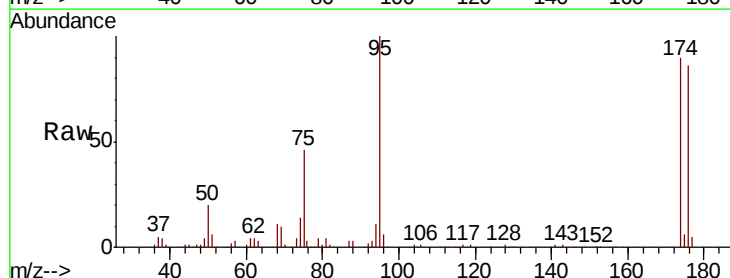
Tgt Ion: 75 Resp: 252064

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

