

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\  
 Data File : VD063264.D  
 Acq On : 31 Jul 2019 3:49  
 Operator : VA/AP  
 Sample : K4044-15  
 Misc : 4.36g/5ml/MSVOA D/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-4

Quant Time: Jul 31 06:55:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

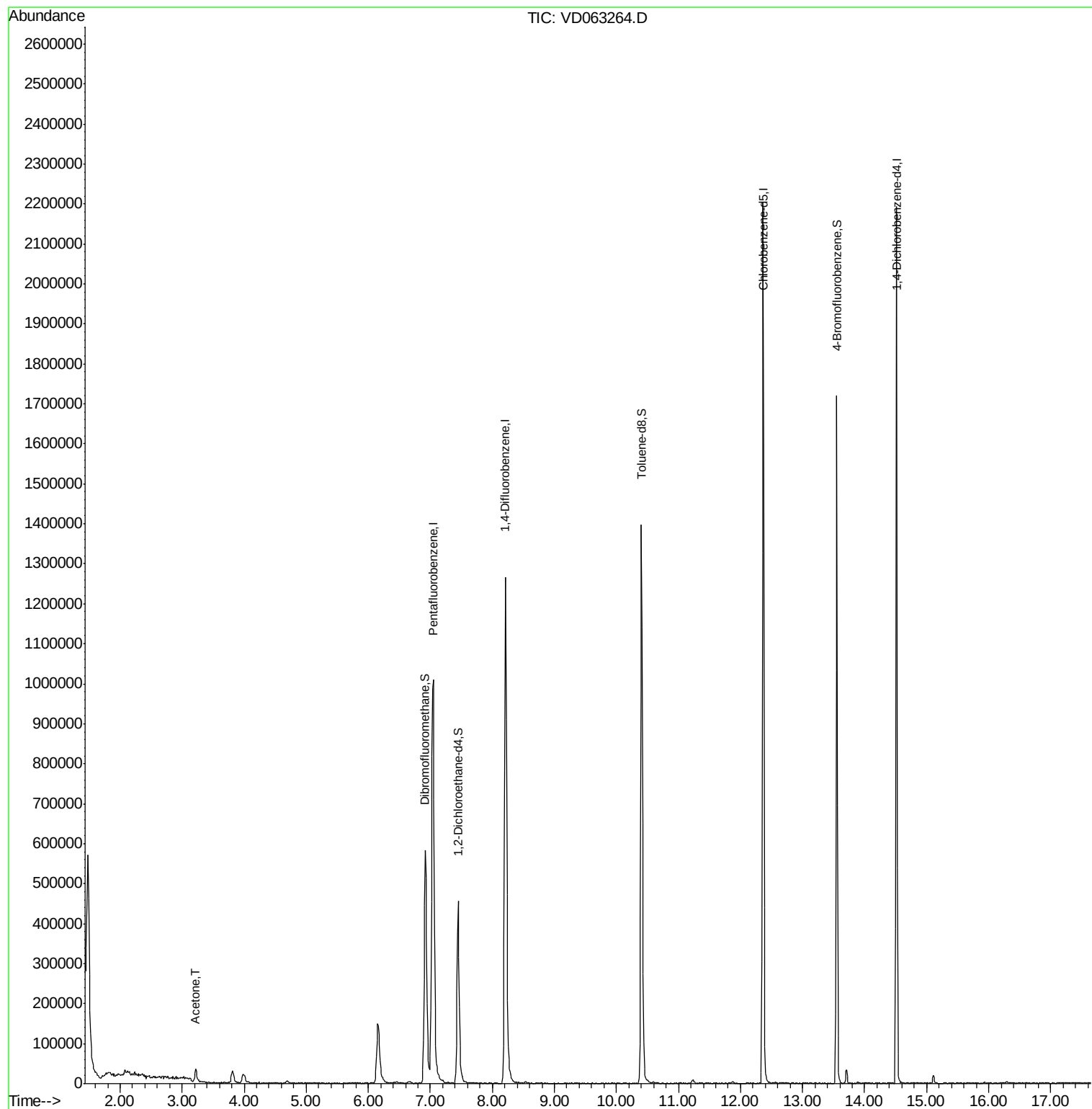
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 1021470  | 50.00  | ug/l   | 0.01      |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 1407993  | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 12.36 | 117  | 1168283  | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 521493   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 470303   | 41.49  | ug/l   | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.98% |           |
| 35) Dibromofluoromethane    | 6.92  | 113  | 502510   | 41.80  | ug/l   | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.60% |           |
| 50) Toluene-d8              | 10.40 | 98   | 1117562  | 41.54  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.08% |           |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 433830   | 35.39  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 70.78% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 3.22  | 43   | 56774    | 25.709 | ug/l # | Qvalue 90 |

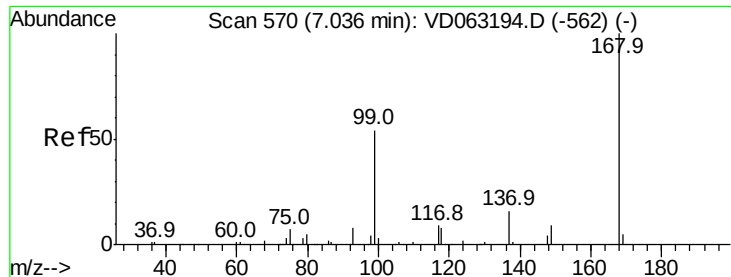
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 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: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA\_D

ClientSampleId :

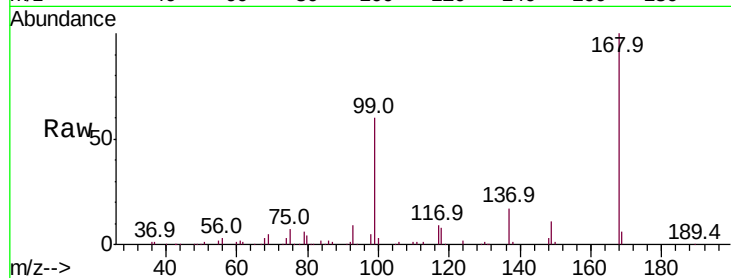
TP-4

Tot Ion:168 Resp: 1021470

Ion Ratio Lower Upper

168 100

99 59.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

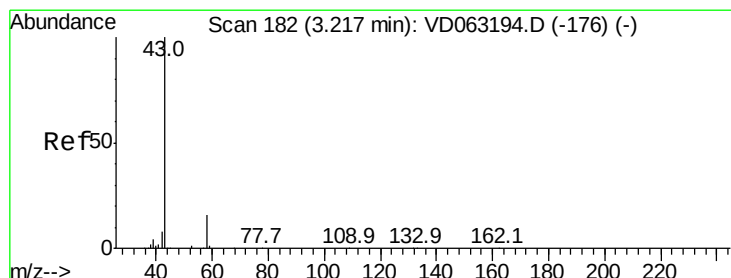
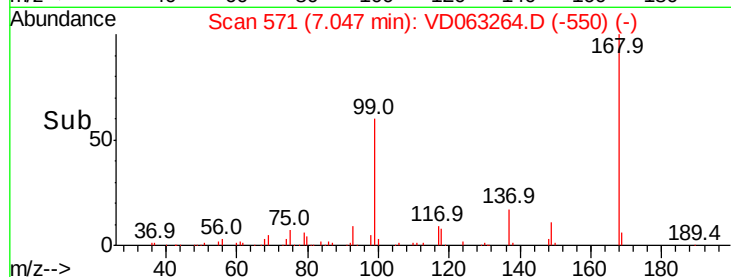
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 25.709 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063264.D

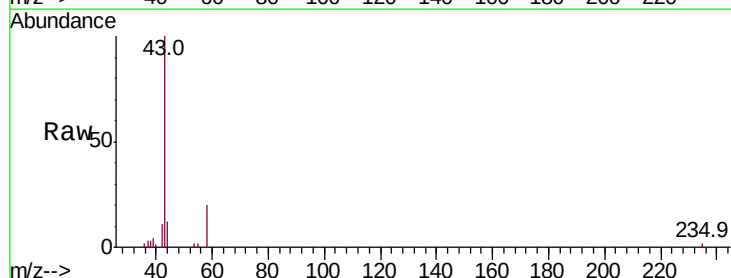
Acq: 31 Jul 2019 3:49

Tgt Ion: 43 Resp: 56774

Ion Ratio Lower Upper

43 100

58 20.3 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

25000

20000

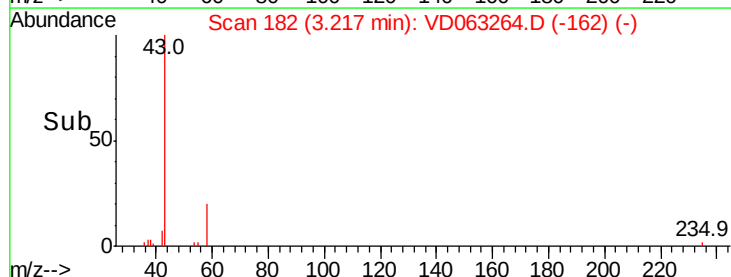
15000

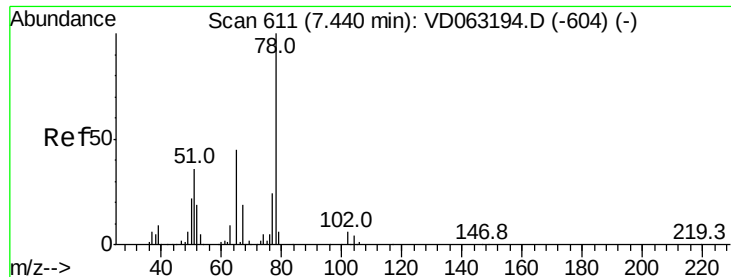
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 41.494 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA\_D

ClientSampleId :

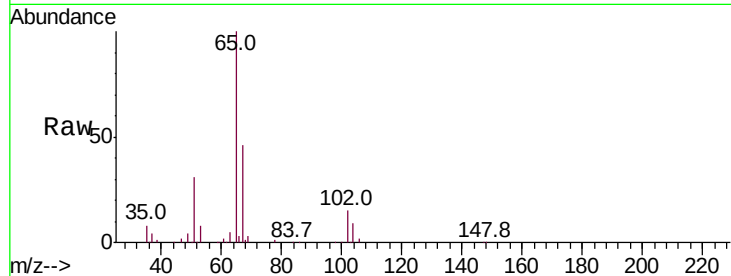
TP-4

Tot Ion: 65 Resp: 470303

Ion Ratio Lower Upper

65 100

67 45.8 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

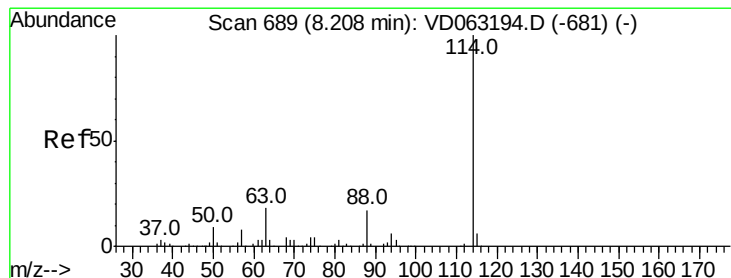
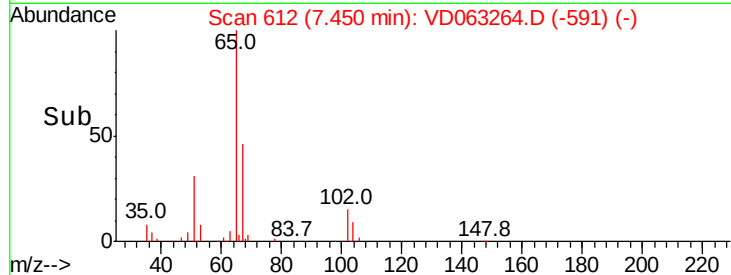
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

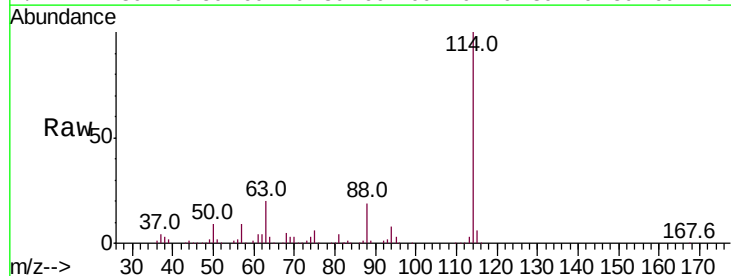
Tgt Ion: 114 Resp: 1407993

Ion Ratio Lower Upper

114 100

63 20.2 0.0 35.2

88 19.3 0.0 34.6



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

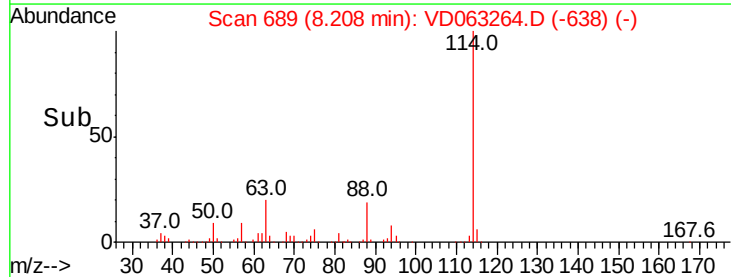
600000

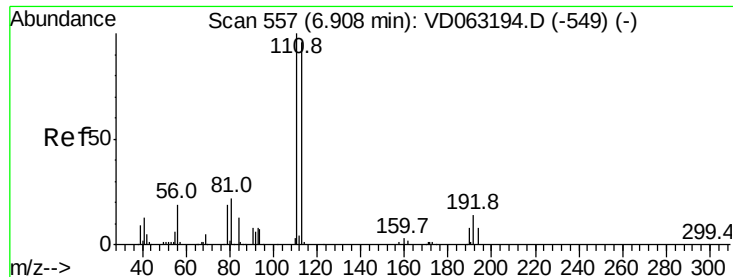
400000

200000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 41.802 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA\_D

ClientSampleId :

TP-4

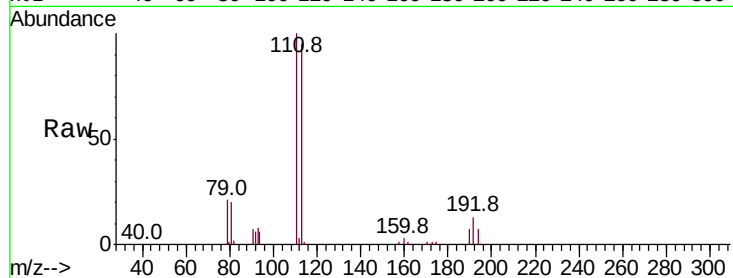
Tot Ion:113 Resp: 502510

Ion Ratio Lower Upper

113 100

111 105.6 83.2 124.8

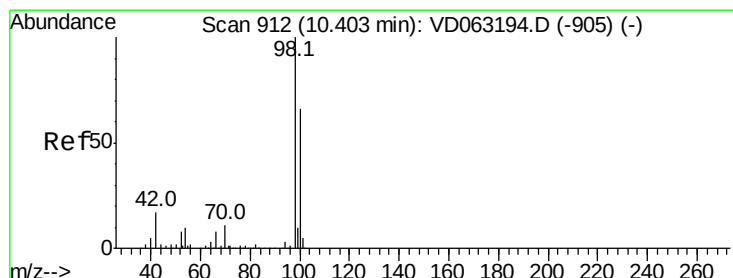
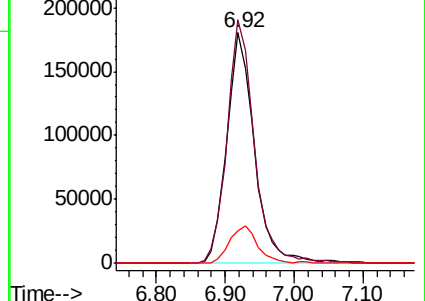
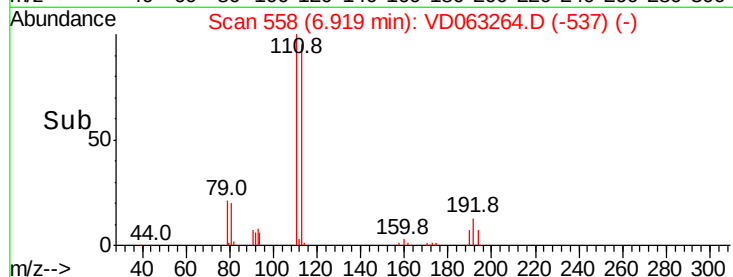
192 14.2 11.8 17.8



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



#50

Toluene-d8

Concen: 41.540 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063264.D

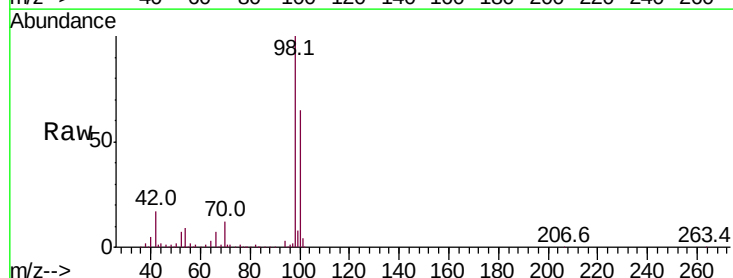
Acq: 31 Jul 2019 3:49

Tgt Ion: 98 Resp: 1117562

Ion Ratio Lower Upper

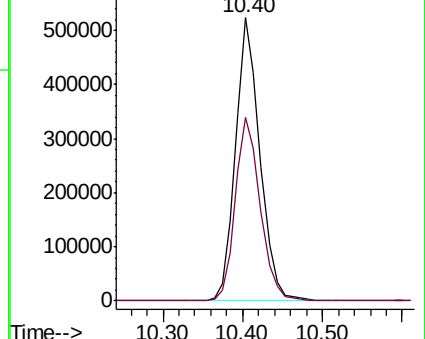
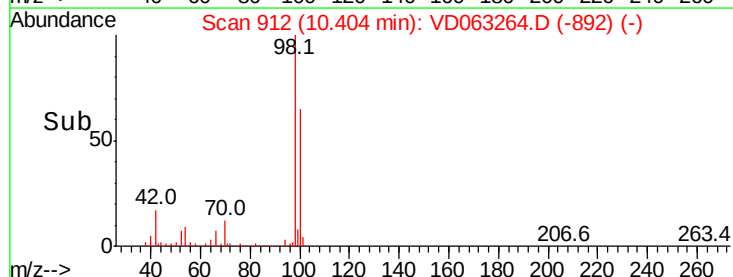
98 100

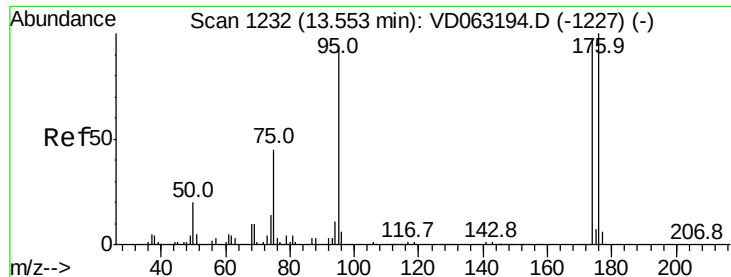
100 64.6 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

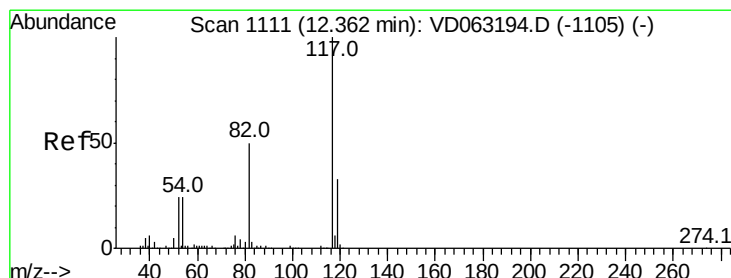
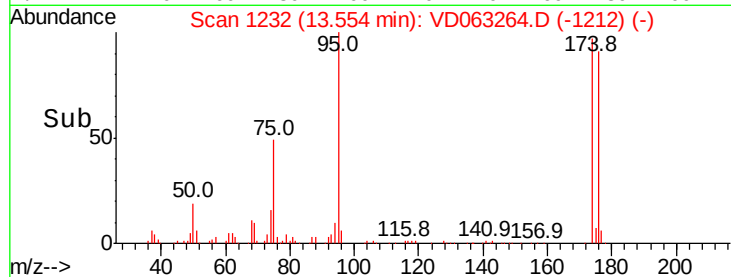
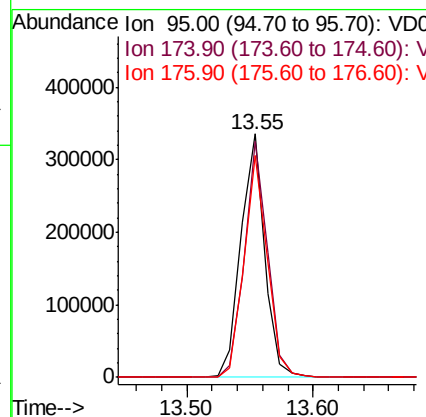
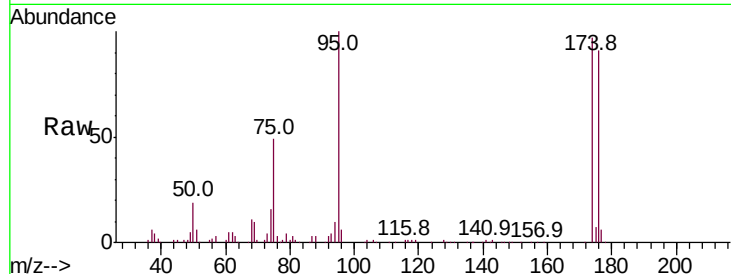




#62  
4-Bromofluorobenzene  
Concen: 35.386 ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: VD063264.D  
Acq: 31 Jul 2019 3:49

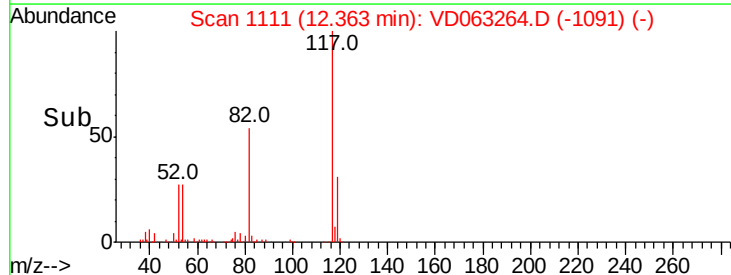
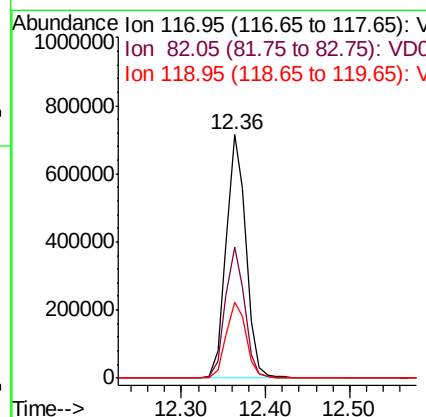
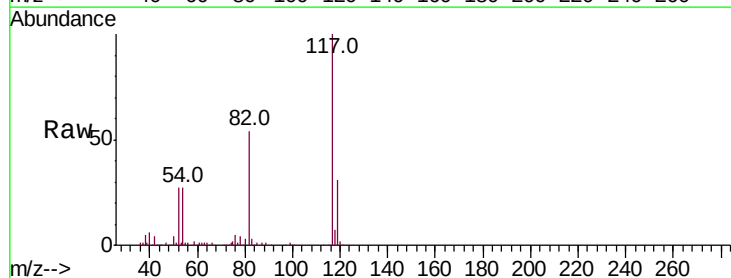
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-4

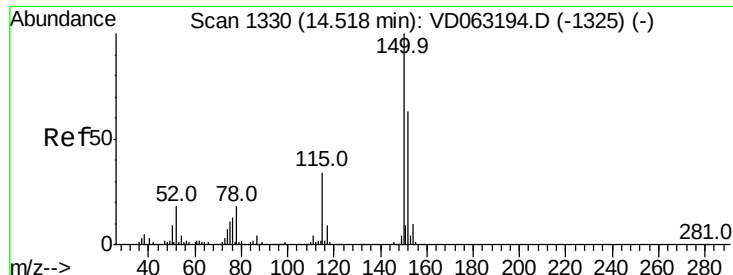
Tot Ion: 95 Resp: 433830  
Ion Ratio Lower Upper  
95 100  
174 96.7 0.0 205.4  
176 91.3 0.0 211.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD063264.D  
Acq: 31 Jul 2019 3:49

Tgt Ion: 117 Resp: 1168283  
Ion Ratio Lower Upper  
117 100  
82 53.9 40.1 60.1  
119 31.4 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063264.D

Acq: 31 Jul 2019 3:49

Instrument :

MSVOA\_D

ClientSampleId :

TP-4

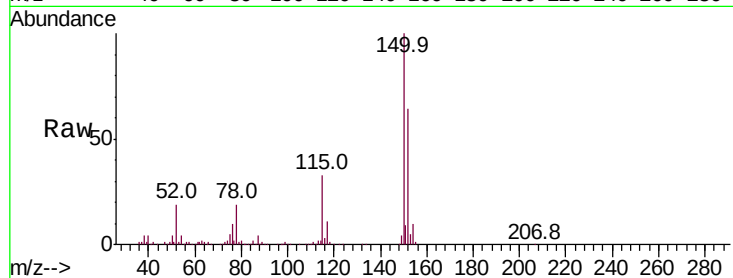
Tot Ion:152 Resp: 521493

Ion Ratio Lower Upper

152 100

115 51.2 27.5 82.4

150 155.6 0.0 320.6



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

