

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\  
 Data File : VD062943.D  
 Acq On : 27 Jun 2019 20:33  
 Operator : VA/AP  
 Sample : K3528-09RE  
 Misc : 5.06g/5ml/MSVOA D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-10-9.5-10.0RE

Quant Time: Jun 28 05:06:25 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

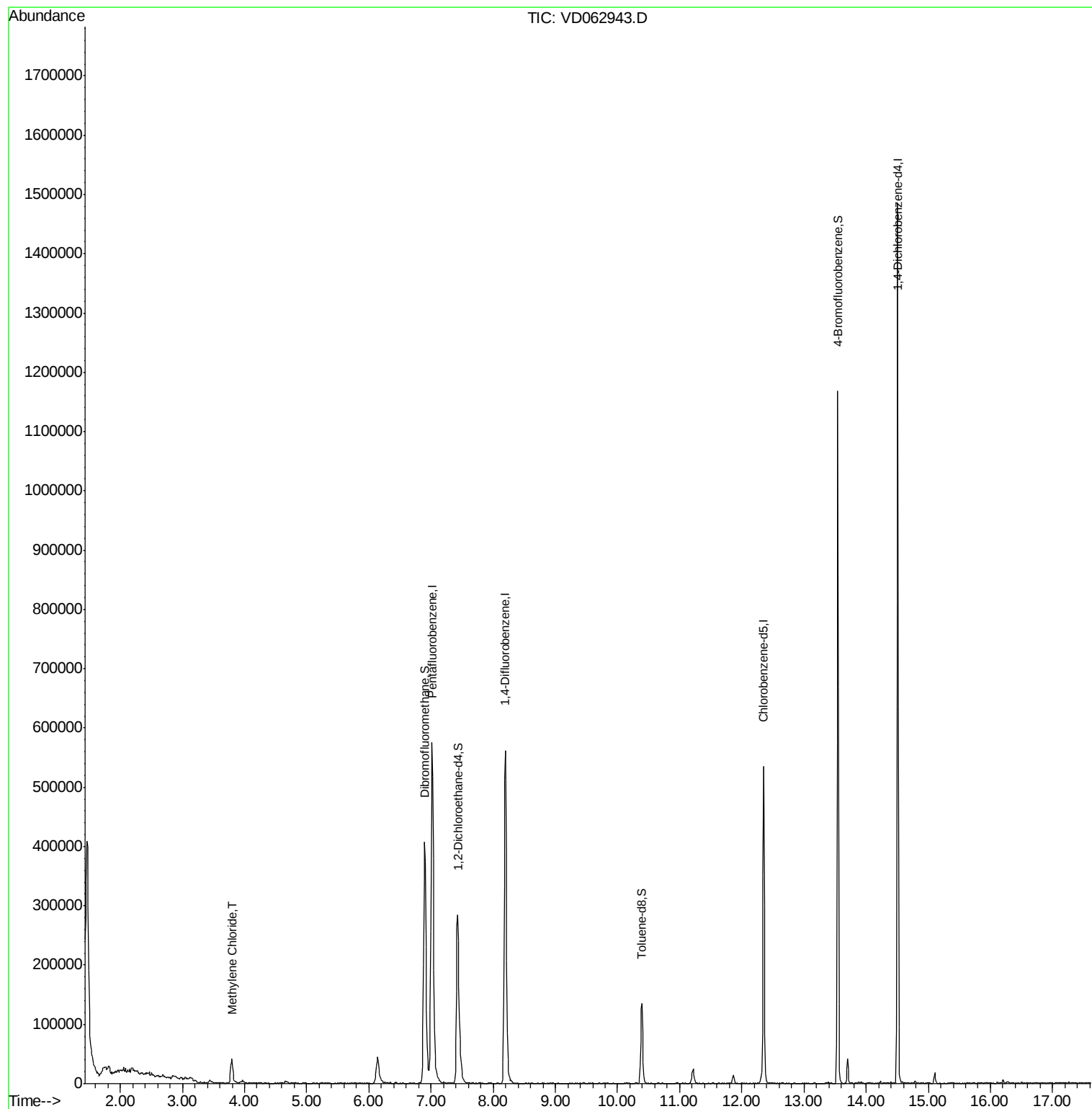
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.02  | 168  | 544678   | 50.00 | ug/l    | -0.03     |
| 34) 1,4-Difluorobenzene     | 8.20  | 114  | 570276   | 50.00 | ug/l    | -0.02     |
| 63) Chlorobenzene-d5        | 12.35 | 117  | 256597   | 50.00 | ug/l    | -0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 14.51 | 152  | 298139   | 50.00 | ug/l    | -0.01     |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 323931   | 54.71 | ug/l    | -0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.42% |           |
| 35) Dibromofluoromethane    | 6.90  | 113  | 354742   | 73.77 | ug/l    | -0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 147.54% |           |
| 50) Toluene-d8              | 10.39 | 98   | 105403   | 10.07 | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 20.14%  |           |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 292757   | 61.52 | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 123.04% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.80  | 84   | 23460    | 5.196 | ug/l    | Qvalue 85 |

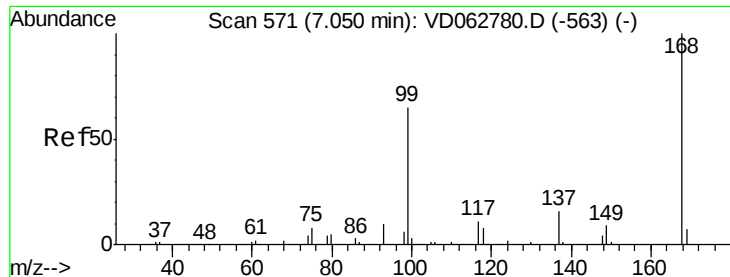
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jun 20 01:50:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :

MSVOA\_D

ClientSampleId :

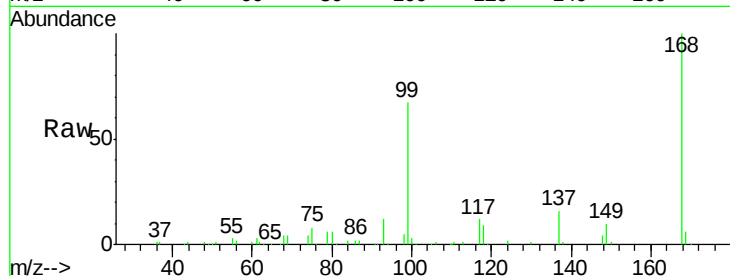
SB-10-9.5-10.0RE

Tot Ion:168 Resp: 544678

Ion Ratio Lower Upper

168 100

99 67.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

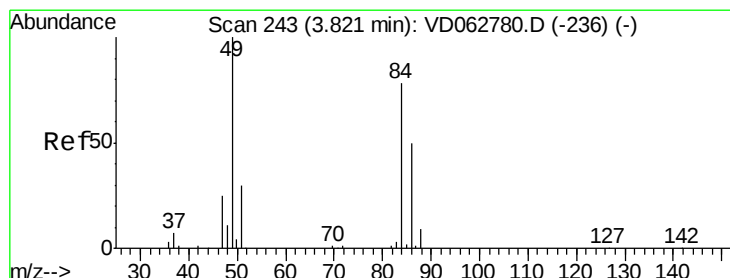
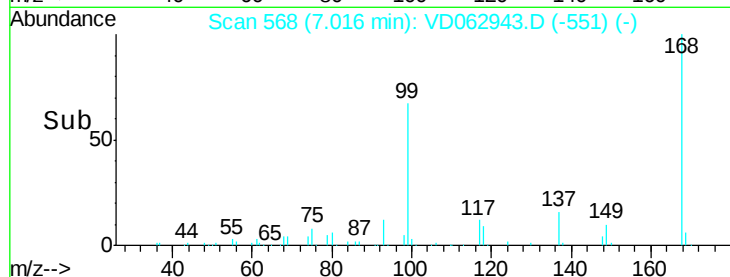
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 5.196 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Tgt Ion: 84 Resp: 23460

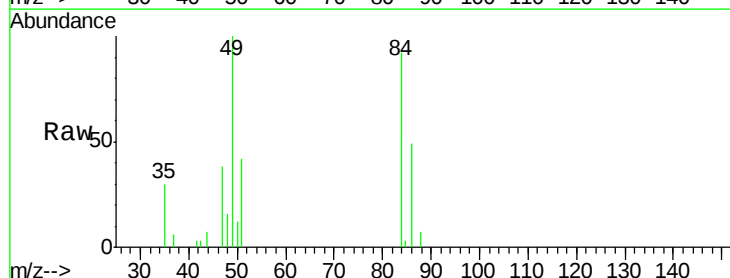
Ion Ratio Lower Upper

84 100

49 108.5 102.9 154.3

51 46.0 31.2 46.8

86 53.4 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

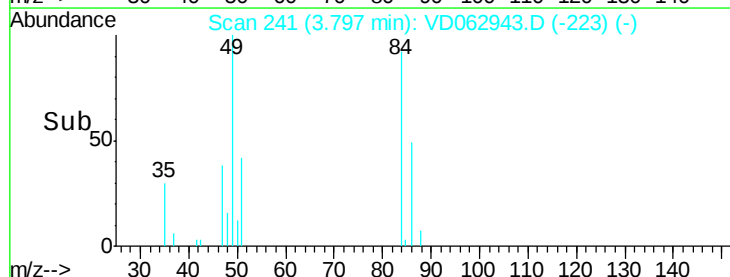
15000

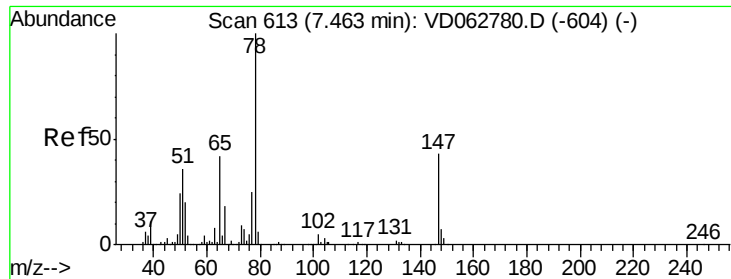
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.713 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :

MSVOA\_D

ClientSampleId :

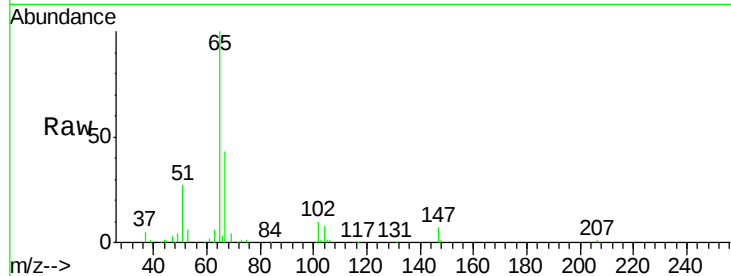
SB-10-9.5-10.0RE

Tot Ion: 65 Resp: 323931

Ion Ratio Lower Upper

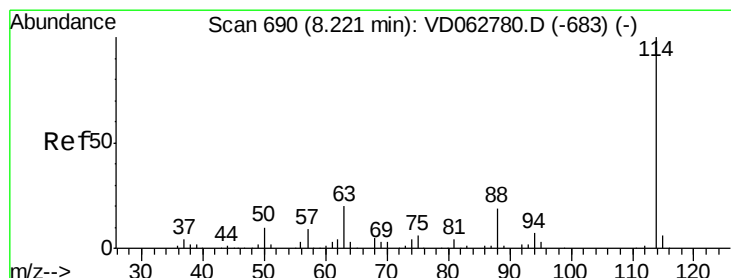
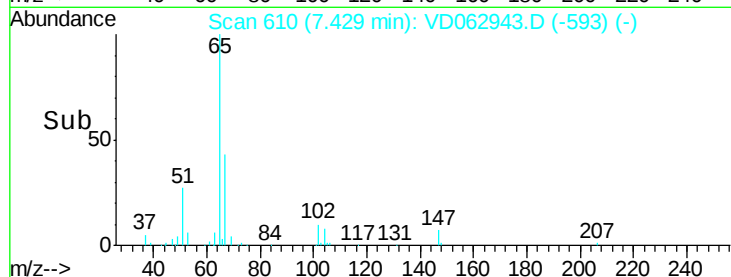
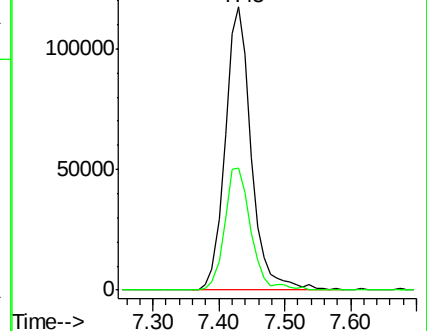
65 100

67 43.1 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: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

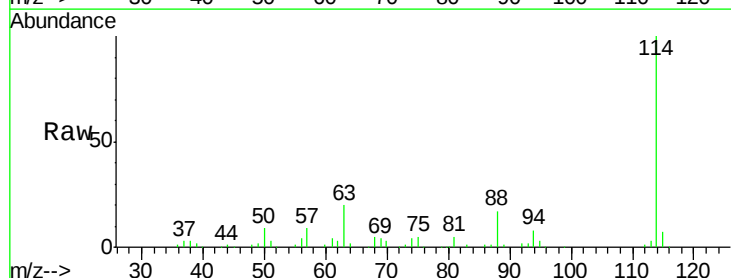
Tgt Ion: 114 Resp: 570276

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

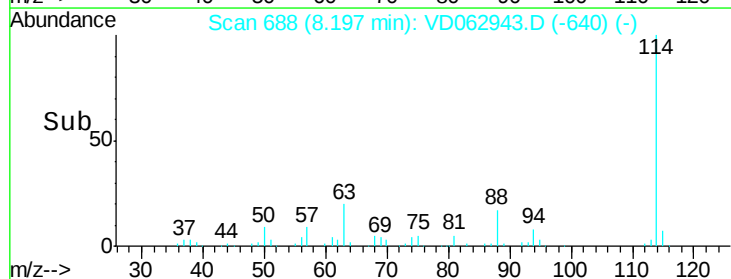
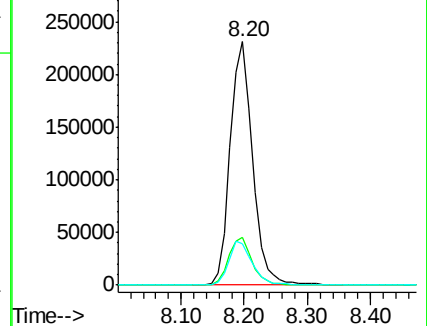
88 16.9 0.0 38.8



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: 73.773 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :

MSVOA\_D

ClientSampleId :

SB-10-9.5-10.0RE

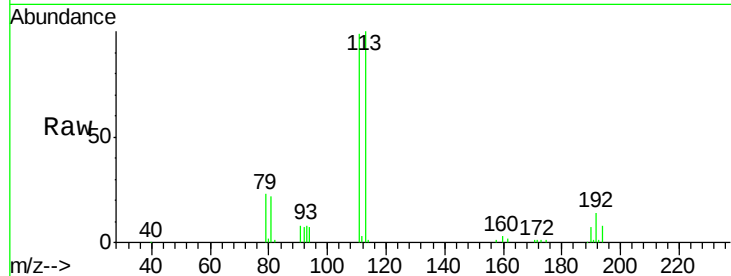
Tot Ion:113 Resp: 354742

Ion Ratio Lower Upper

113 100

111 99.1 81.2 121.8

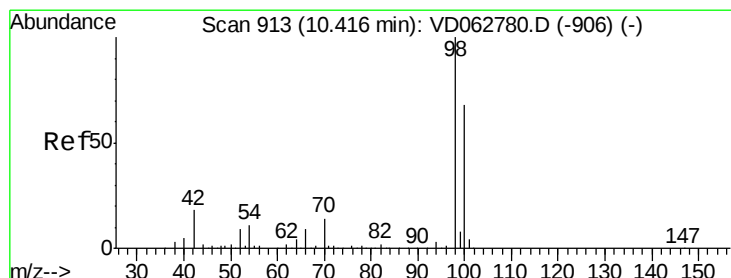
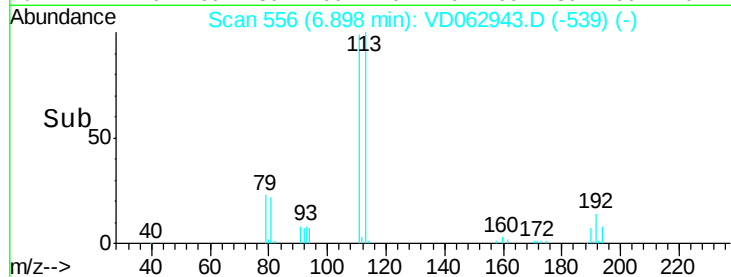
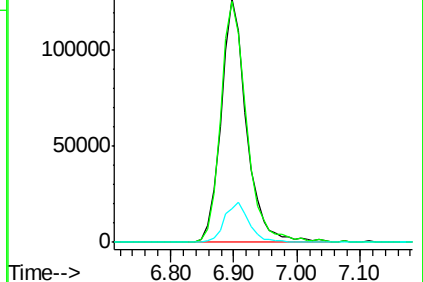
192 13.7 12.9 19.3



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



#50

Toluene-d8

Concen: 10.071 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD062943.D

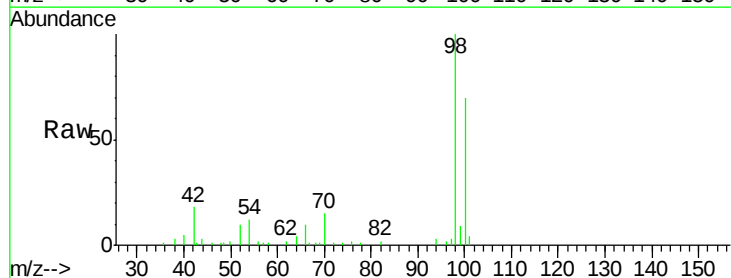
Acq: 27 Jun 2019 20:33

Tgt Ion: 98 Resp: 105403

Ion Ratio Lower Upper

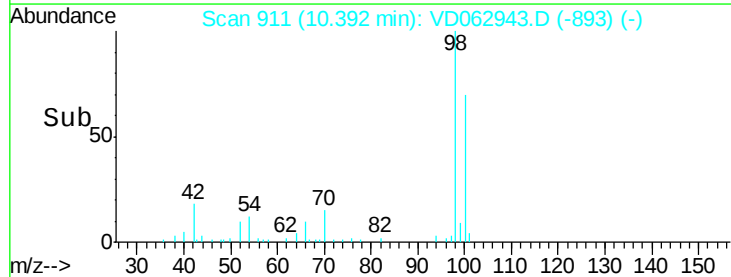
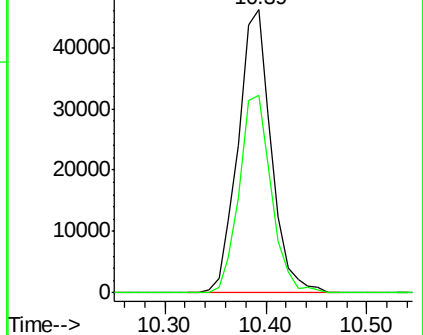
98 100

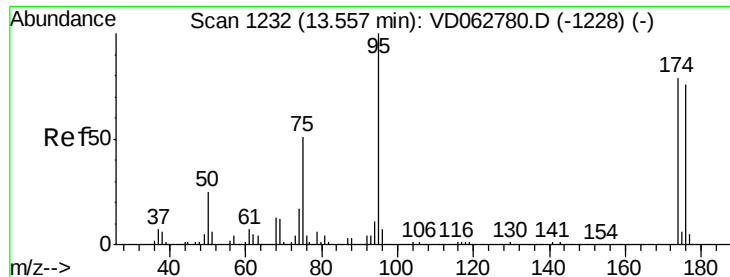
100 70.0 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

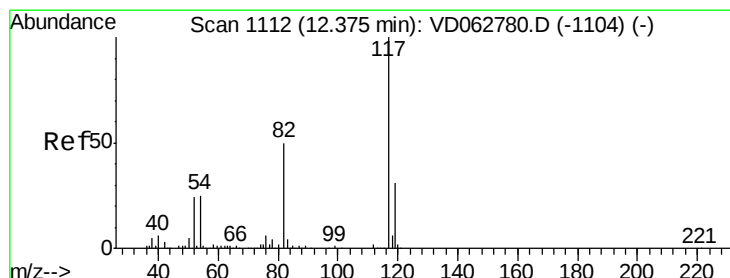
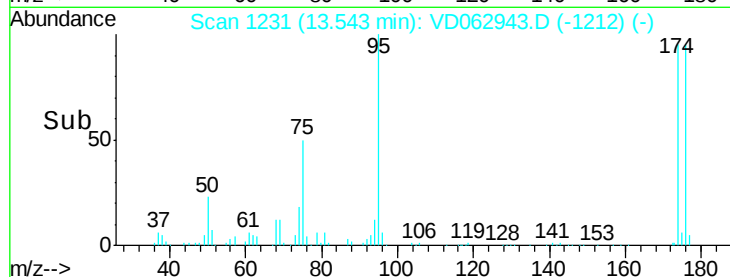
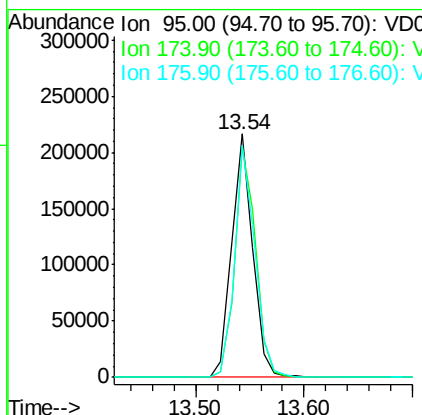
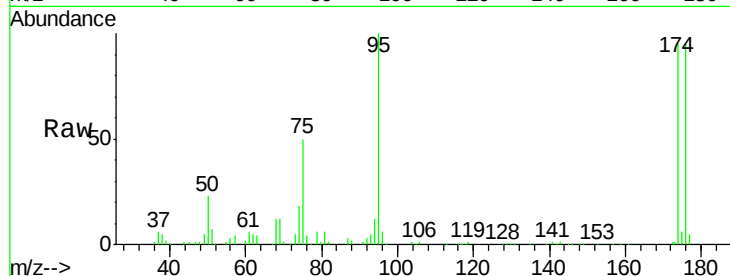




#62  
4-Bromofluorobenzene  
Concen: 61.519 ug/l  
RT: 13.54 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VD062943.D  
Acq: 27 Jun 2019 20:33

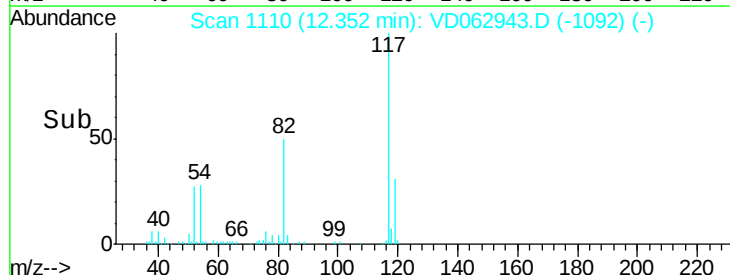
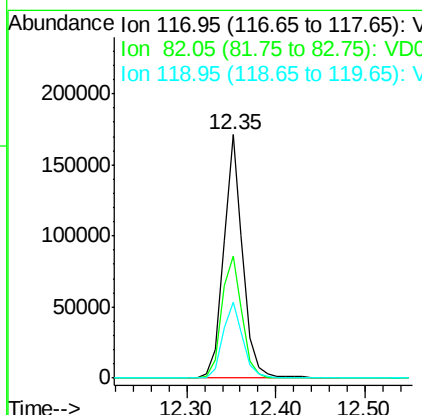
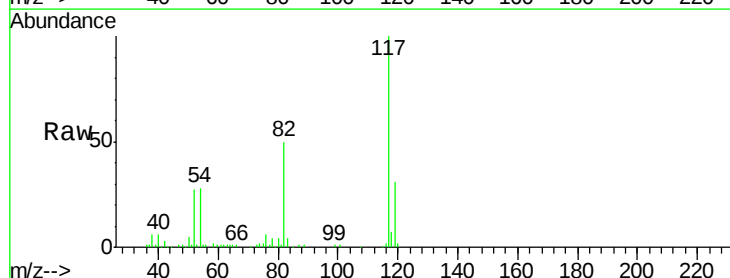
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-10-9.5-10.0RE

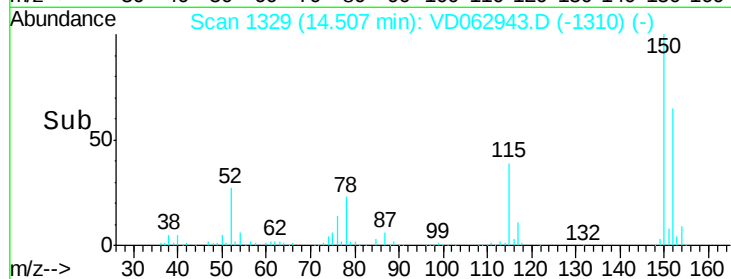
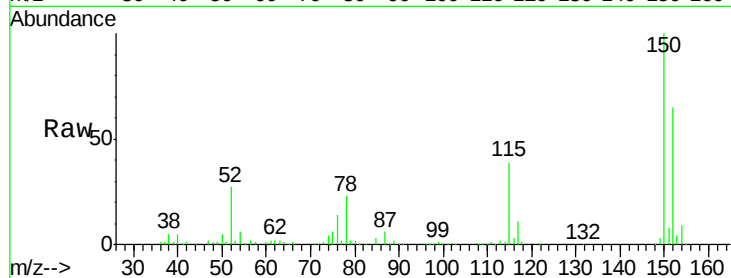
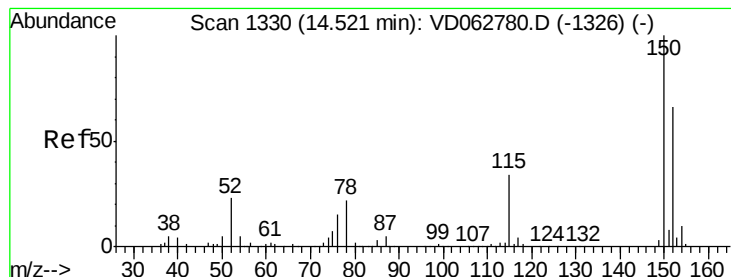
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 292757 |       |       |
| 174     | 94.6  | 0.0    | 158.0 |       |
| 176     | 95.3  | 0.0    | 151.6 |       |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.35 min Scan# 1110  
Delta R.T. -0.02 min  
Lab File: VD062943.D  
Acq: 27 Jun 2019 20:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 256597 |       |       |
| 82      | 50.1  | 40.4   | 60.6  |       |
| 119     | 31.4  | 25.2   | 37.8  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062943.D

Acq: 27 Jun 2019 20:33

Instrument :

MSVOA\_D

ClientSampleId :

SB-10-9.5-10.0RE

Tot Ion:152 Resp: 298139

Ion Ratio Lower Upper

152 100

115 59.7 29.2 87.6

150 152.9 0.0 305.8

