

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062619\  
 Data File : VD062922.D  
 Acq On : 27 Jun 2019 8:33  
 Operator : VA/AP  
 Sample : K3526-09  
 Misc : 5.08g/5ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-05-9.5-10.0

Quant Time: Jun 27 09:29:33 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      | 7.05  | 168  | 745544   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 977330   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 12.35 | 117  | 774117   | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 454299   | 50.00 | ug/l  | -0.01    |

| System Monitoring Compounds |        | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 7.44  | 65   | 456799   | 56.37 | ug/l    | -0.02    |
| Spiked Amount               | 50.000 |       |      | Recovery | =     | 112.74% |          |
| 35) Dibromofluoromethane    |        | 6.92  | 113  | 414775   | 50.33 | ug/l    | -0.01    |
| Spiked Amount               | 50.000 |       |      | Recovery | =     | 100.66% |          |
| 50) Toluene-d8              |        | 10.40 | 98   | 838982   | 46.78 | ug/l    | -0.02    |
| Spiked Amount               | 50.000 |       |      | Recovery | =     | 93.56%  |          |
| 62) 4-Bromofluorobenzene    |        | 13.55 | 95   | 398072   | 48.81 | ug/l    | -0.01    |
| Spiked Amount               | 50.000 |       |      | Recovery | =     | 97.62%  |          |

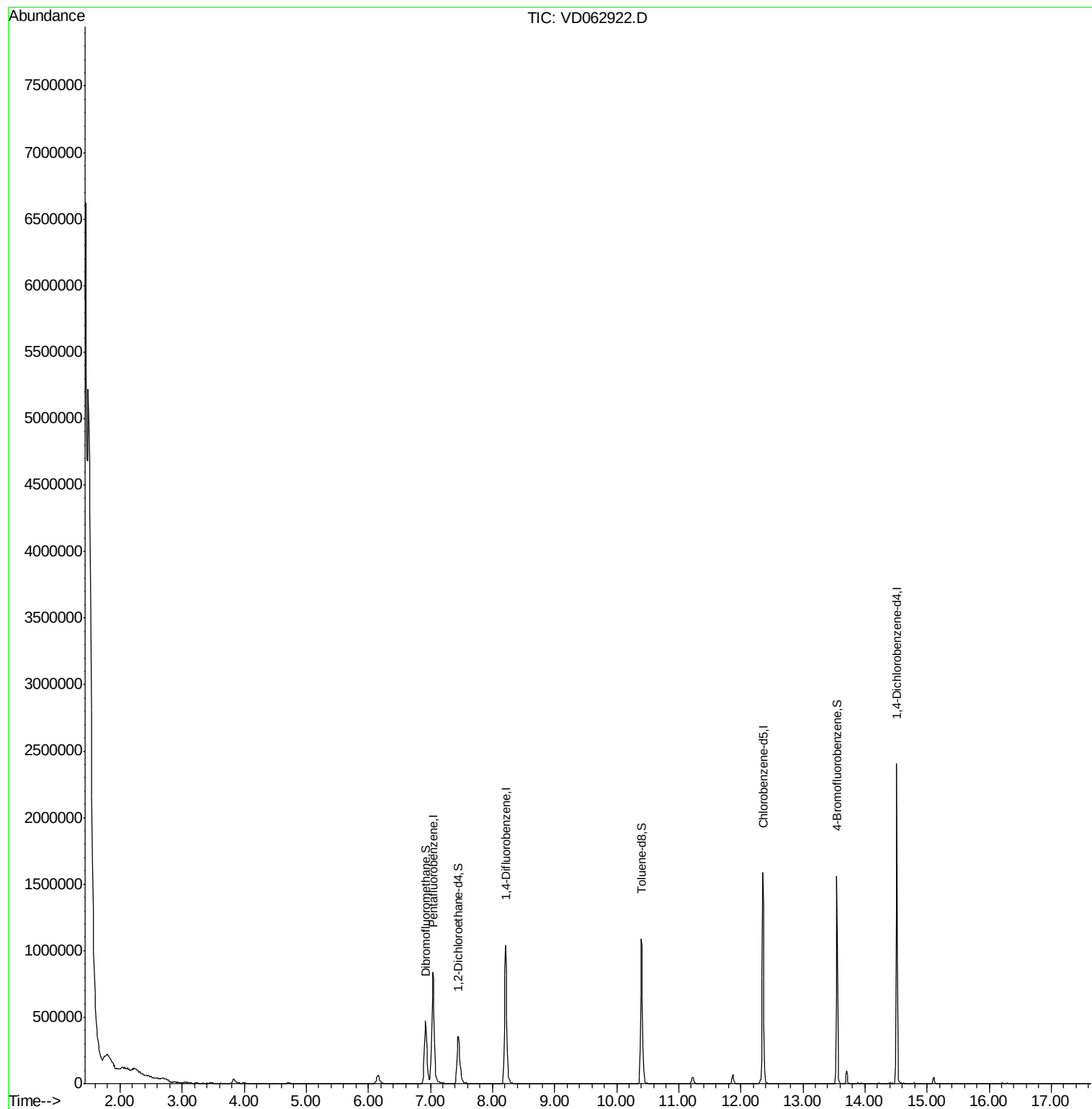
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

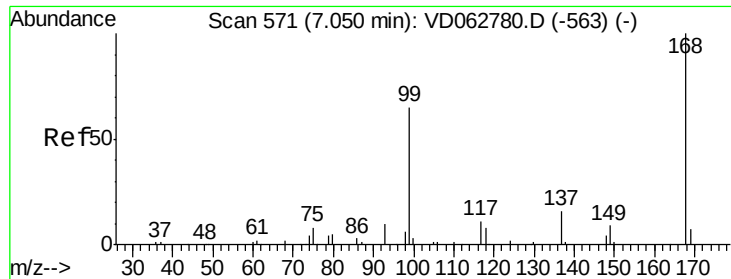
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

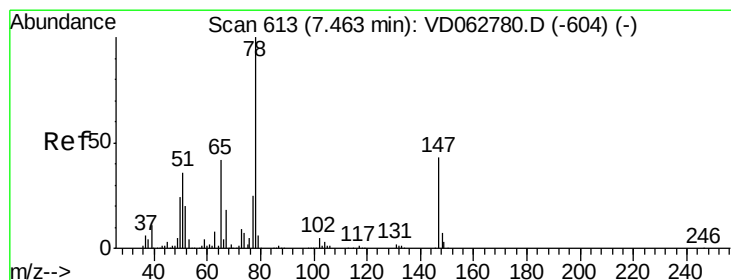
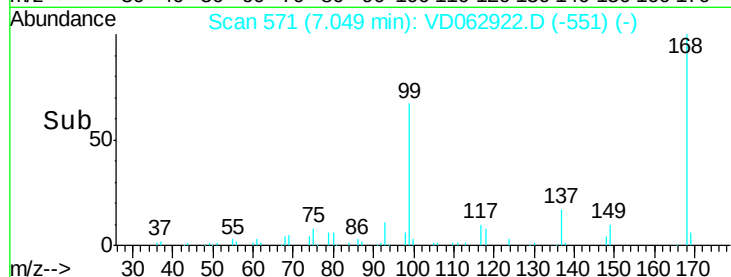
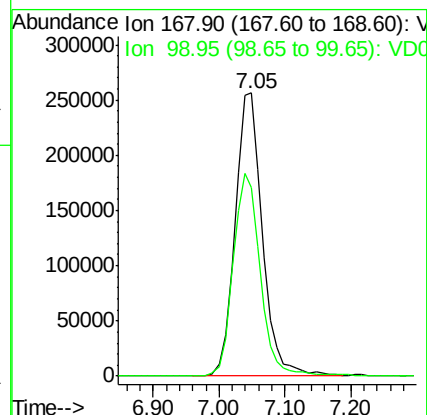
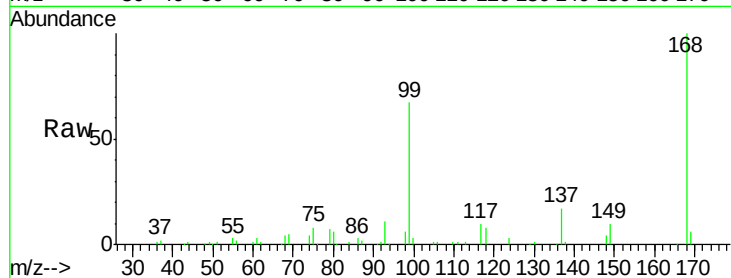




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.05 min Scan# 571  
Delta R.T. -0.00 min  
Lab File: VD062922.D  
Acq: 27 Jun 2019 8:33

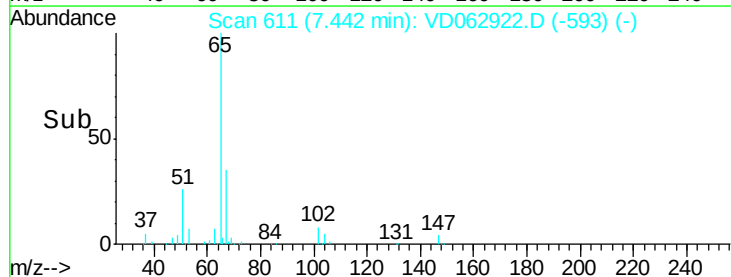
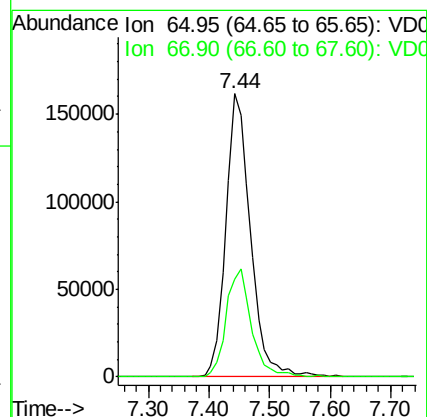
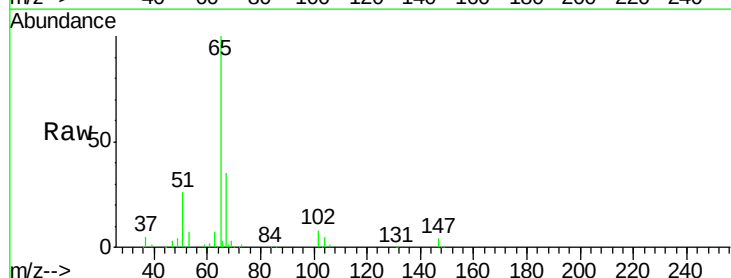
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-9.5-10.0

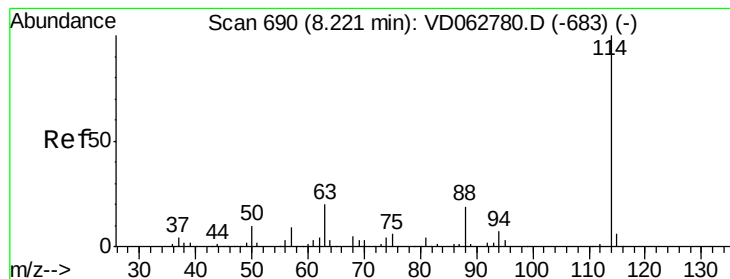
Tot Ion:168 Resp: 745544  
Ion Ratio Lower Upper  
168 100  
99 66.8 53.0 79.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.367 ug/l  
RT: 7.44 min Scan# 611  
Delta R.T. -0.02 min  
Lab File: VD062922.D  
Acq: 27 Jun 2019 8:33

Tgt Ion: 65 Resp: 456799  
Ion Ratio Lower Upper  
65 100  
67 34.6 0.0 87.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062922.D

Acq: 27 Jun 2019 8:33

Instrument :

MSVOA\_D

ClientSampleId :

SB-05-9.5-10.0

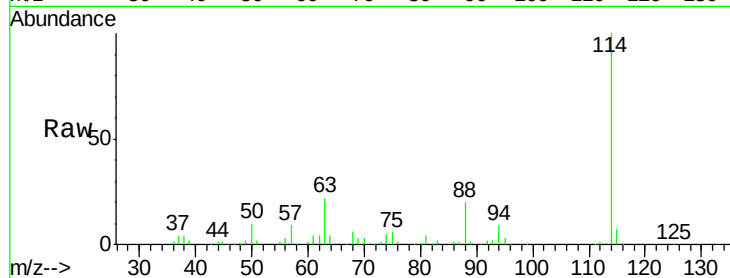
Tot Ion:114 Resp: 977330

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

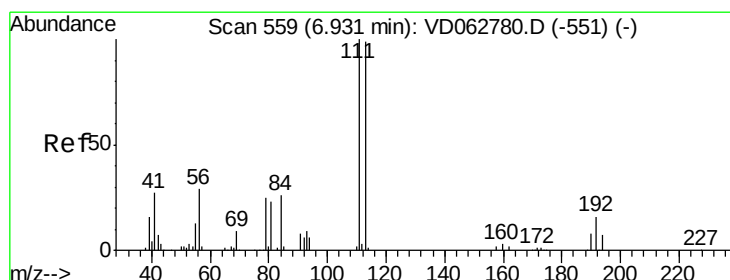
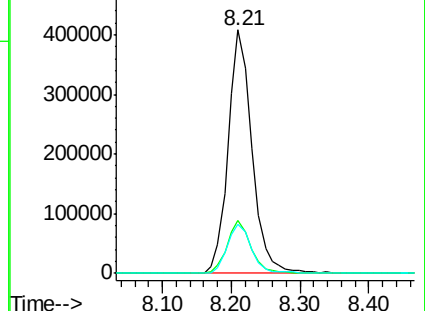
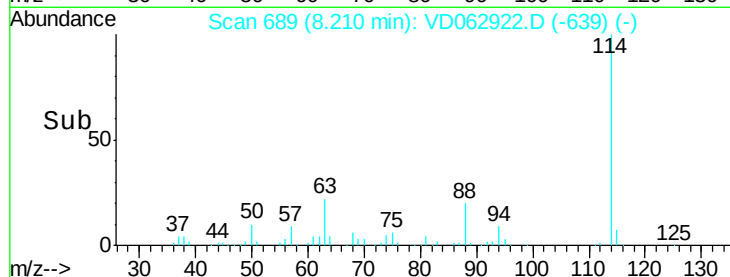
88 20.0 0.0 38.8



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: 50.332 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062922.D

Acq: 27 Jun 2019 8:33

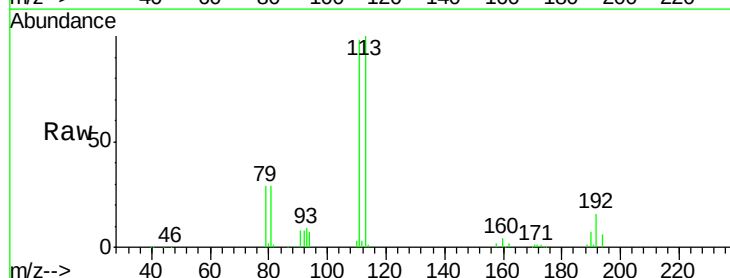
Tgt Ion:113 Resp: 414775

Ion Ratio Lower Upper

113 100

111 98.0 81.2 121.8

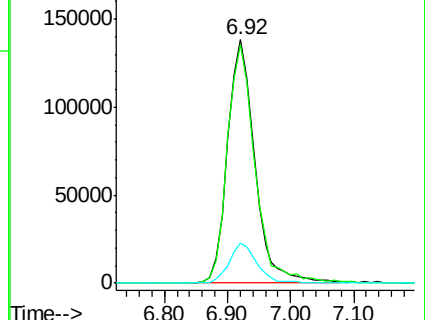
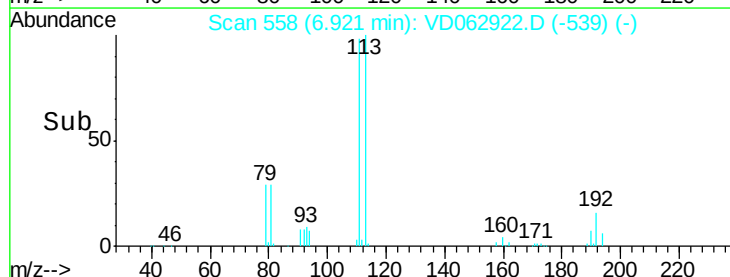
192 16.4 12.9 19.3

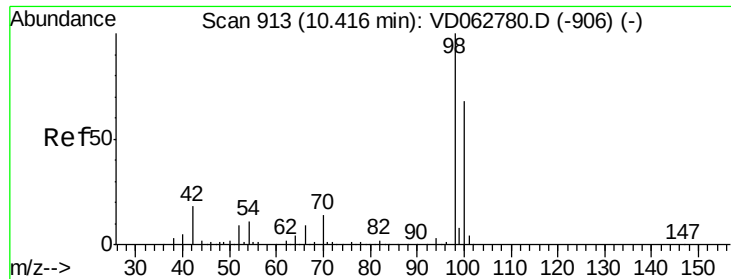


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

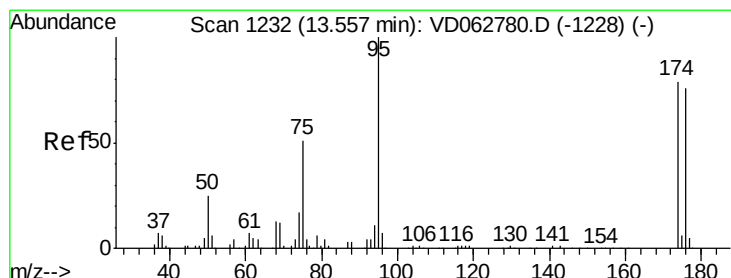
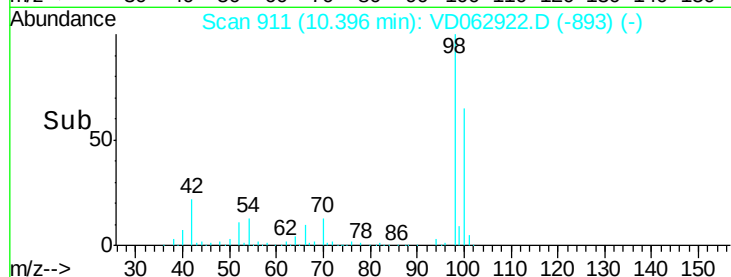
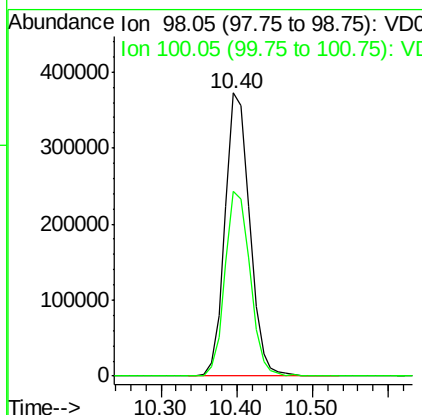
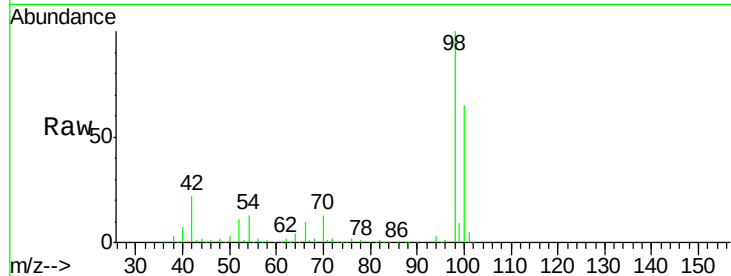




#50  
Toluene-d8  
Concen: 46.777 ug/l  
RT: 10.40 min Scan# 911  
Delta R.T. -0.02 min  
Lab File: VD062922.D  
Acq: 27 Jun 2019 8:33

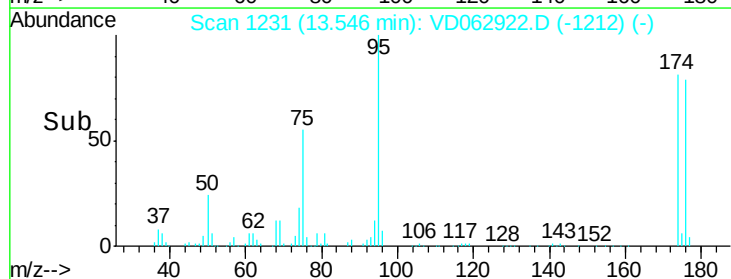
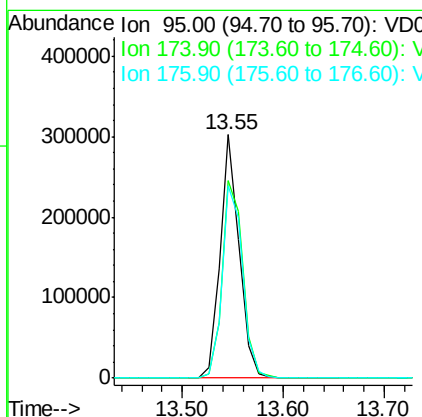
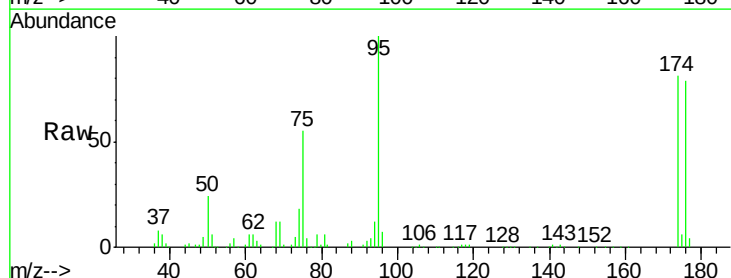
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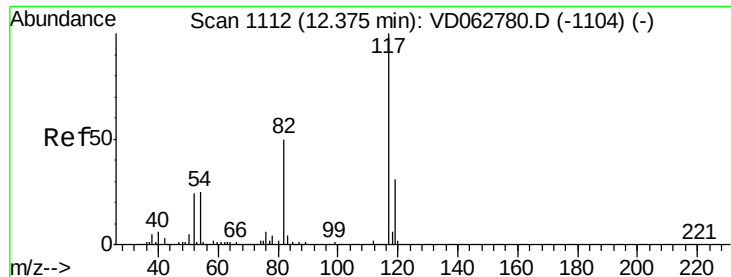
Tot Ion: 98 Resp: 838982  
Ion Ratio Lower Upper  
98 100  
100 65.1 54.7 82.1



#62  
4-Bromofluorobenzene  
Concen: 48.810 ug/l  
RT: 13.55 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: VD062922.D  
Acq: 27 Jun 2019 8:33

Tgt Ion: 95 Resp: 398072  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 158.0  
176 79.3 0.0 151.6

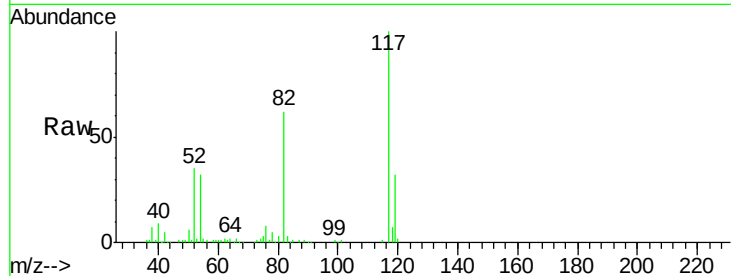




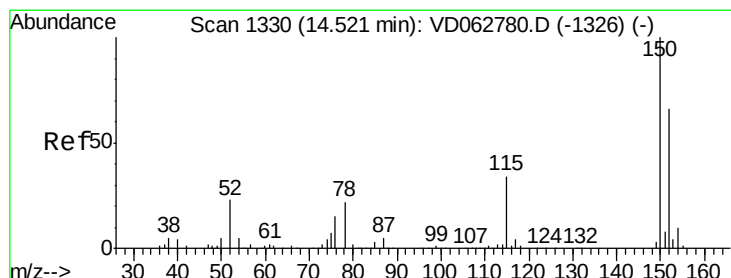
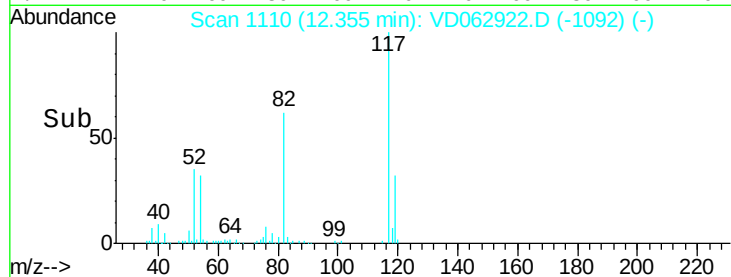
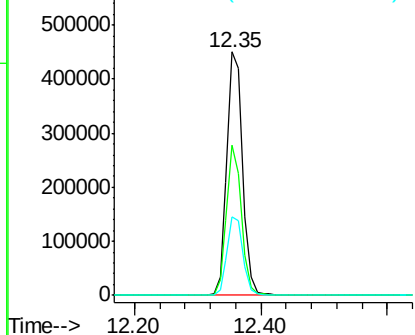
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.35 min Scan# 1110  
Delta R.T. -0.02 min  
Lab File: VD062922.D  
Acq: 27 Jun 2019 8:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-05-9.5-10.0

Tot Ion:117 Resp: 774117  
Ion Ratio Lower Upper  
117 100  
82 61.5 40.4 60.6#  
119 32.0 25.2 37.8

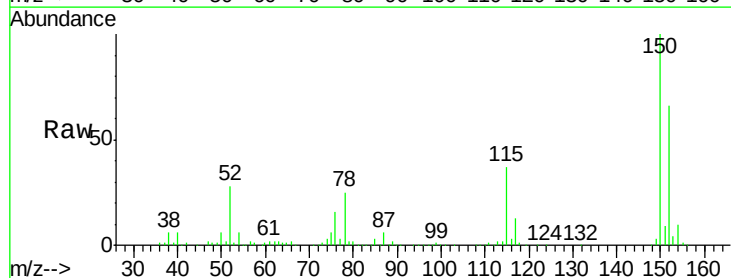


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD062922.D  
Acq: 27 Jun 2019 8:33

Tgt Ion:152 Resp: 454299  
Ion Ratio Lower Upper  
152 100  
115 56.5 29.2 87.6  
150 152.6 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

