

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\  
 Data File : VD067821.D  
 Acq On : 30 Nov 2020 18:22  
 Operator : VA/SY  
 Sample : L4891-07  
 Misc : 6.40G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PAV-B3-112420-10.5-11.5

Quant Time: Dec 01 00:59:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112320S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 24 00:51:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 161799   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 246967   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 191802   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 62470    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |                |     |            |         |      |      |
|-----------------------------|----------------|-----|------------|---------|------|------|
| 33) 1,2-Dichloroethane-d4   | 8.33           | 65  | 99321      | 63.13   | ug/l | 0.00 |
| Spiked Amount 50.000        | Range 50 - 163 |     | Recovery = | 126.26% |      |      |
| 35) Dibromofluoromethane    | 7.92           | 113 | 82540      | 52.52   | ug/l | 0.00 |
| Spiked Amount 50.000        | Range 54 - 147 |     | Recovery = | 105.04% |      |      |
| 50) Toluene-d8              | 10.34          | 98  | 251876     | 43.83   | ug/l | 0.00 |
| Spiked Amount 50.000        | Range 49 - 140 |     | Recovery = | 87.66%  |      |      |
| 62) 4-Bromofluorobenzene    | 12.63          | 95  | 60247      | 30.67   | ug/l | 0.00 |
| Spiked Amount 50.000        | Range 25 - 144 |     | Recovery = | 61.34%  |      |      |

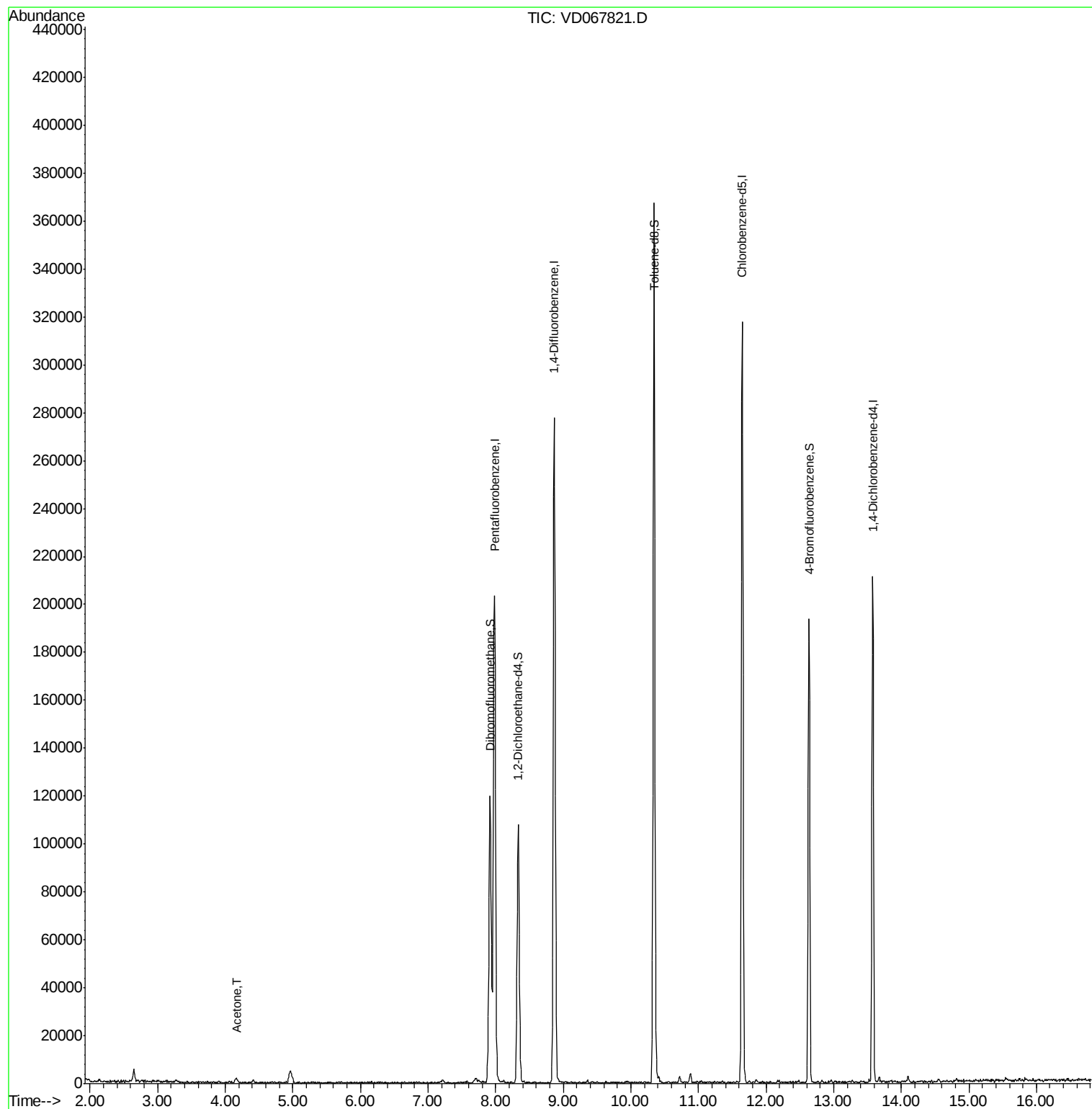
| Target Compounds |      |    |      |               | Qvalue |
|------------------|------|----|------|---------------|--------|
| 16) Acetone      | 4.16 | 43 | 3009 | 14.805 ug/l # | 87     |

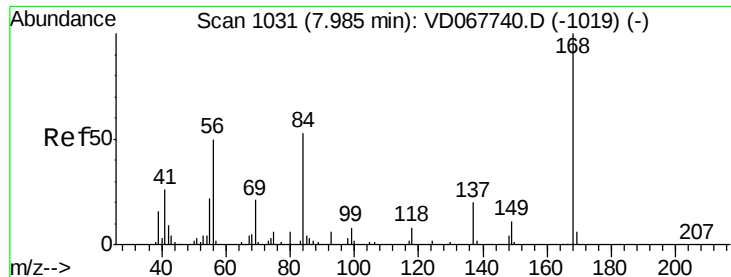
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 24 00:51:35 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA\_D

ClientSampleId :

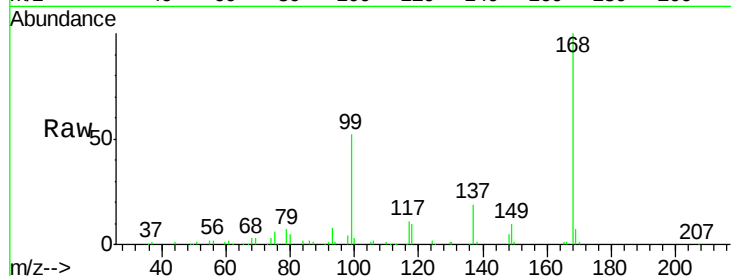
PAV-B3-112420-10.5-11.5

Tot Ion:168 Resp: 161799

Ion Ratio Lower Upper

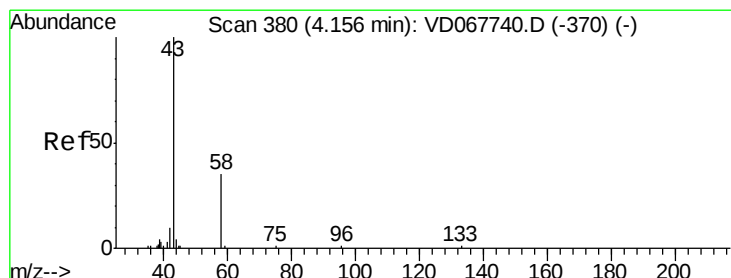
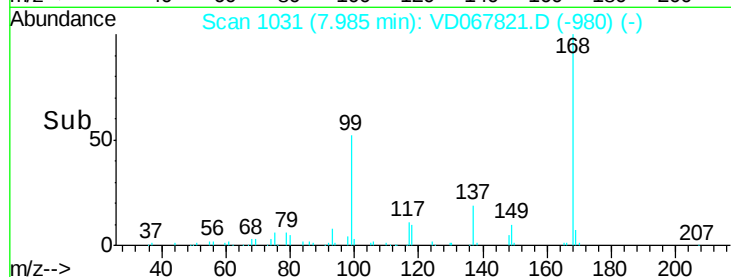
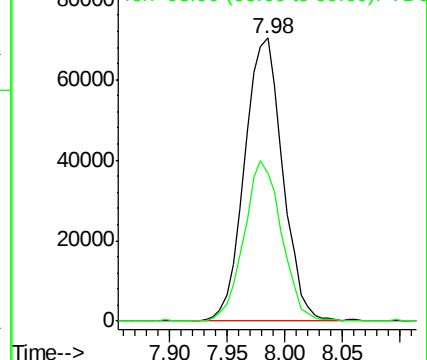
168 100

99 52.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 14.805 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067821.D

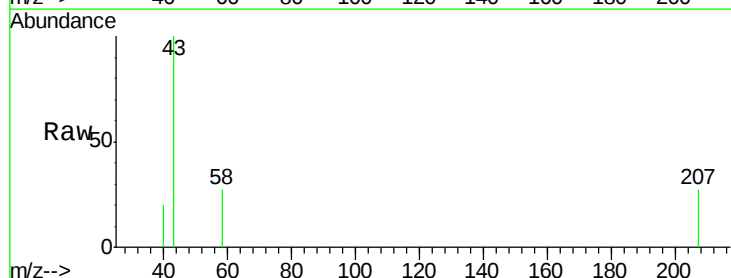
Acq: 30 Nov 2020 18:22

Tgt Ion: 43 Resp: 3009

Ion Ratio Lower Upper

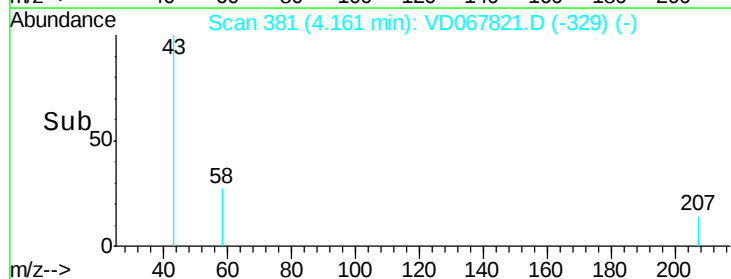
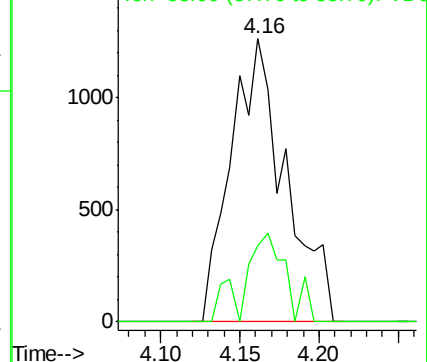
43 100

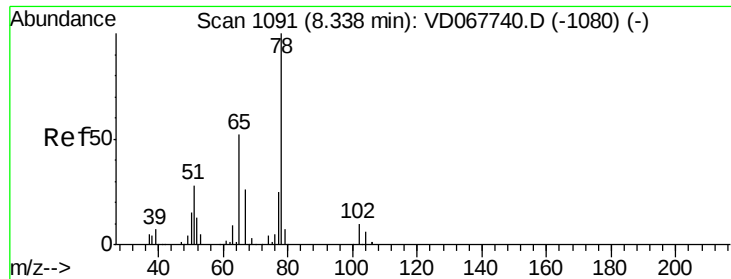
58 27.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

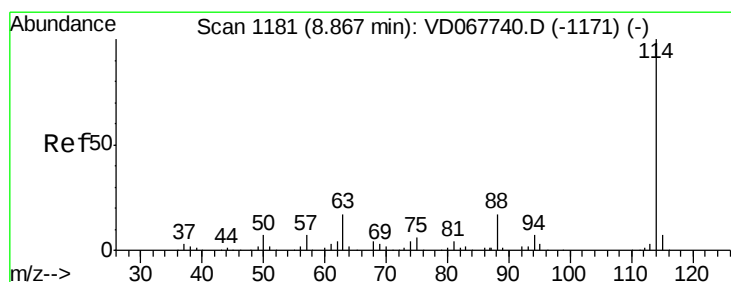
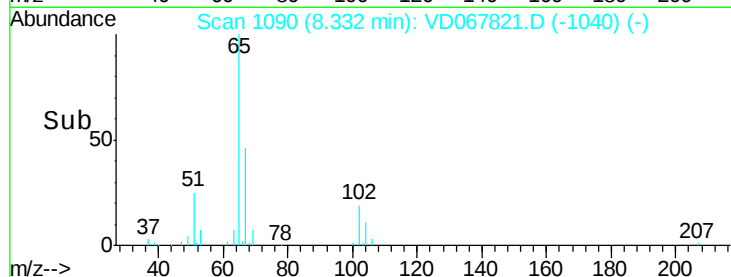
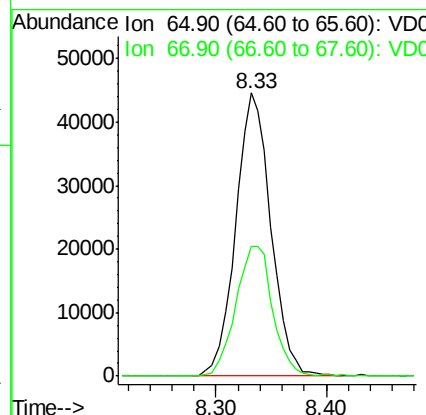
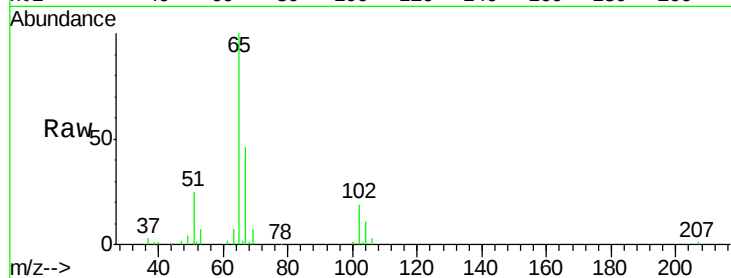




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.133 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD067821.D  
 Acq: 30 Nov 2020 18:22

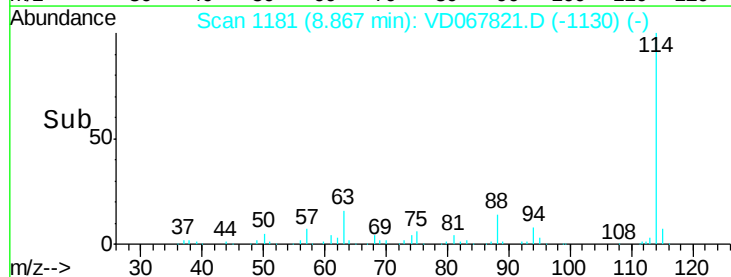
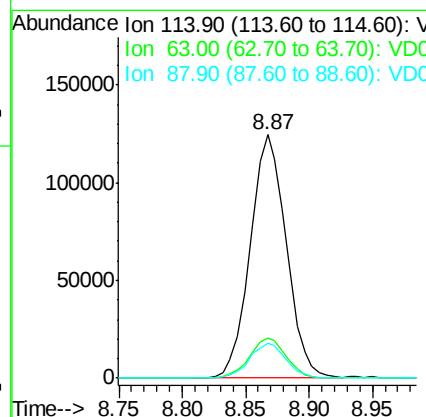
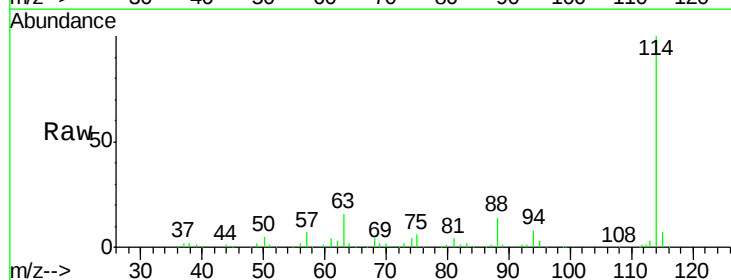
Instrument :  
 MSVOA\_D  
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 PAV-B3-112420-10.5-11.5

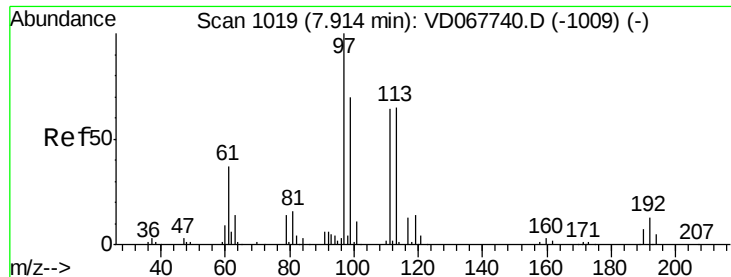
Tot Ion: 65 Resp: 99321  
 Ion Ratio Lower Upper  
 65 100  
 67 48.0 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD067821.D  
 Acq: 30 Nov 2020 18:22

Tgt Ion: 114 Resp: 246967  
 Ion Ratio Lower Upper  
 114 100  
 63 16.3 0.0 34.8  
 88 14.4 0.0 34.4

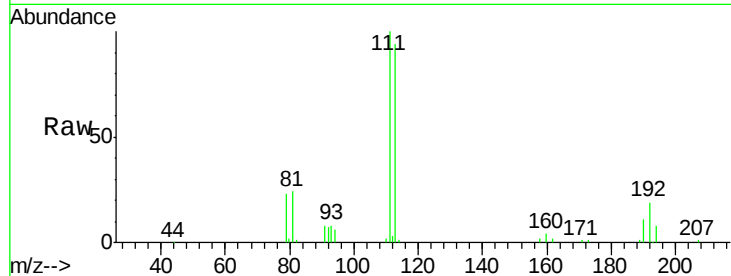




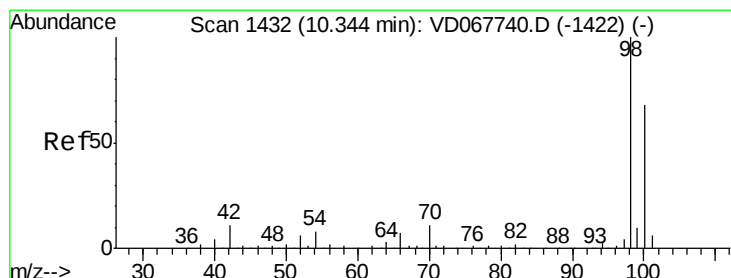
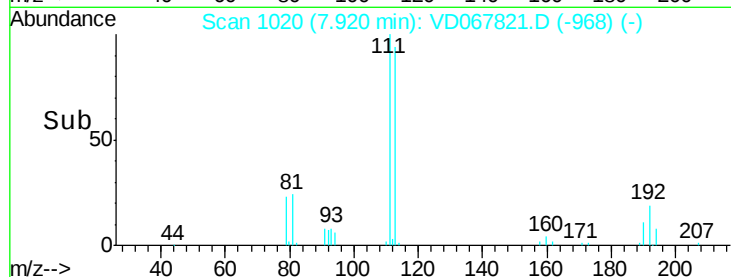
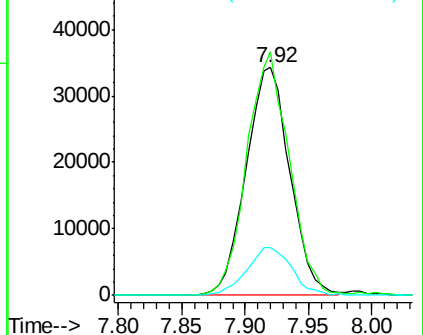
#35  
Dibromofluoromethane  
Concen: 52.517 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VD067821.D  
Acq: 30 Nov 2020 18:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
PAV-B3-112420-10.5-11.5

Tot Ion:113 Resp: 82540  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.4 122.0  
192 21.4 17.0 25.4

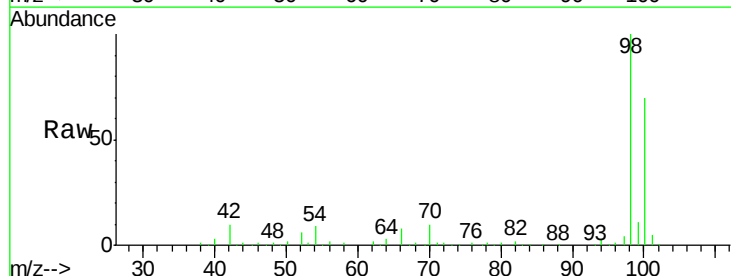


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

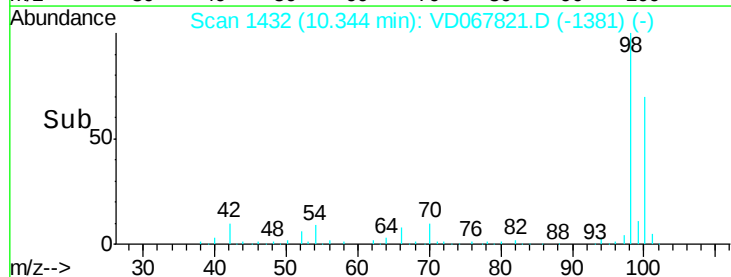
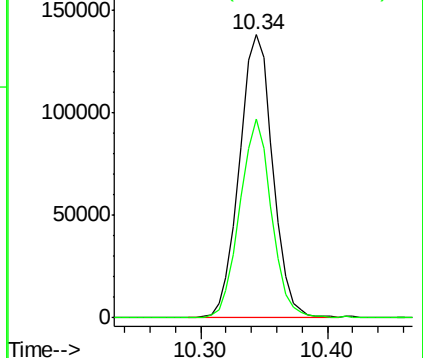


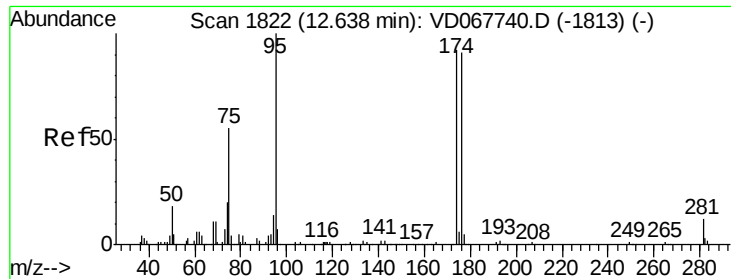
#50  
Toluene-d8  
Concen: 43.833 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD067821.D  
Acq: 30 Nov 2020 18:22

Tgt Ion: 98 Resp: 251876  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC

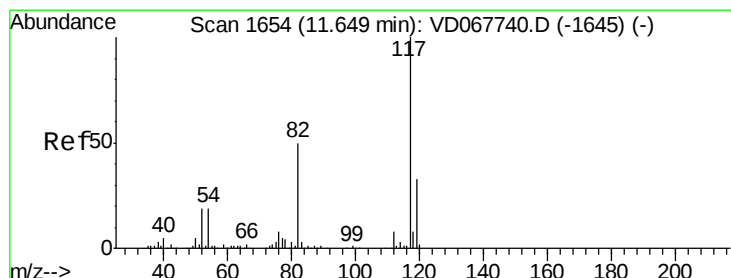
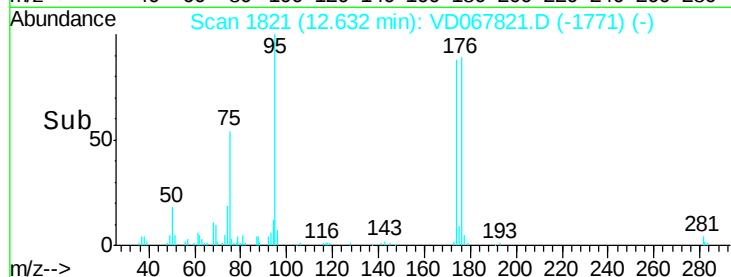
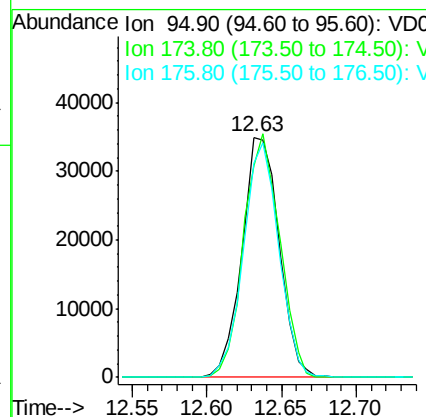
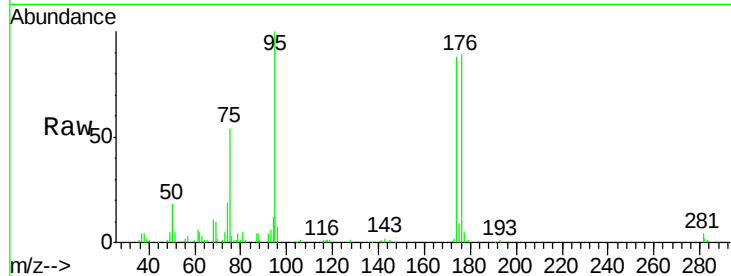




#62  
4-Bromofluorobenzene  
Concen: 30.674 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.01 min  
Lab File: VD067821.D  
Acq: 30 Nov 2020 18:22

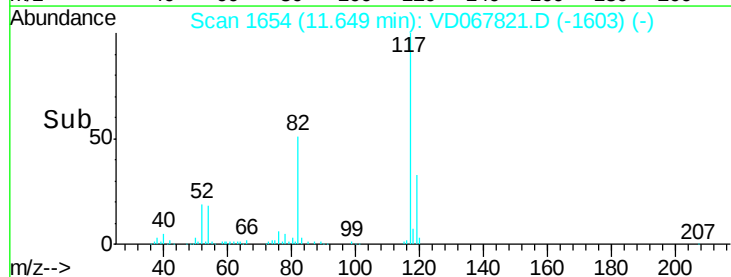
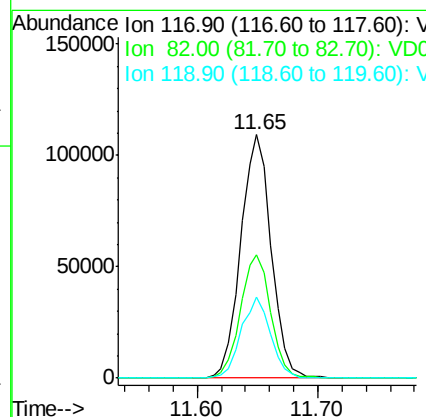
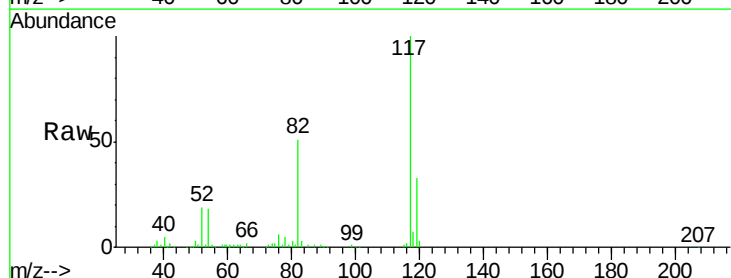
Instrument :  
MSVOA\_D  
ClientSampleId :  
PAV-B3-112420-10.5-11.5

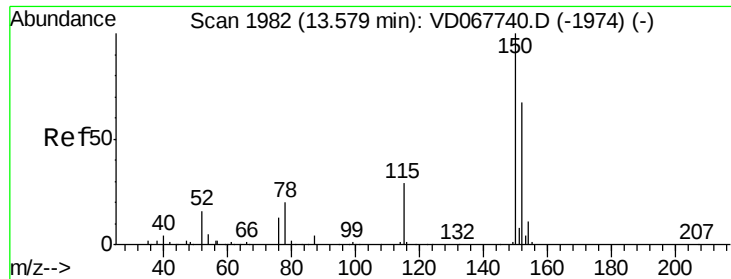
Tot Ion: 95 Resp: 60247  
Ion Ratio Lower Upper  
95 100  
174 97.8 0.0 182.4  
176 93.0 0.0 178.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD067821.D  
Acq: 30 Nov 2020 18:22

Tgt Ion: 117 Resp: 191802  
Ion Ratio Lower Upper  
117 100  
82 50.9 40.2 60.4  
119 33.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067821.D

Acq: 30 Nov 2020 18:22

Instrument :

MSVOA\_D

ClientSampleId :

PAV-B3-112420-10.5-11.5

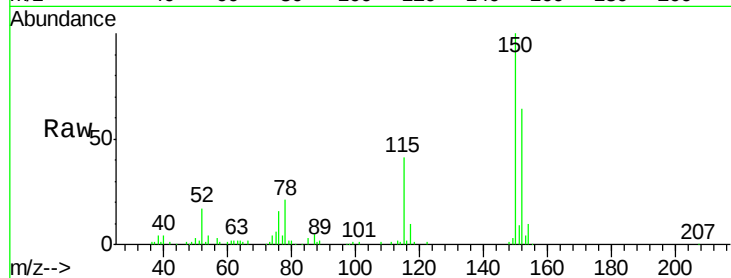
Tot Ion:152 Resp: 62470

Ion Ratio Lower Upper

152 100

115 57.6 29.4 88.3

150 148.2 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

