

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\  
 Data File : VD060278.D  
 Acq On : 1 Nov 2018 22:45  
 Operator : VA/AP  
 Sample : J5741-11  
 Misc : 7.22g/5ml/MSVOA D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-3

Quant Time: Nov 02 02:46:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

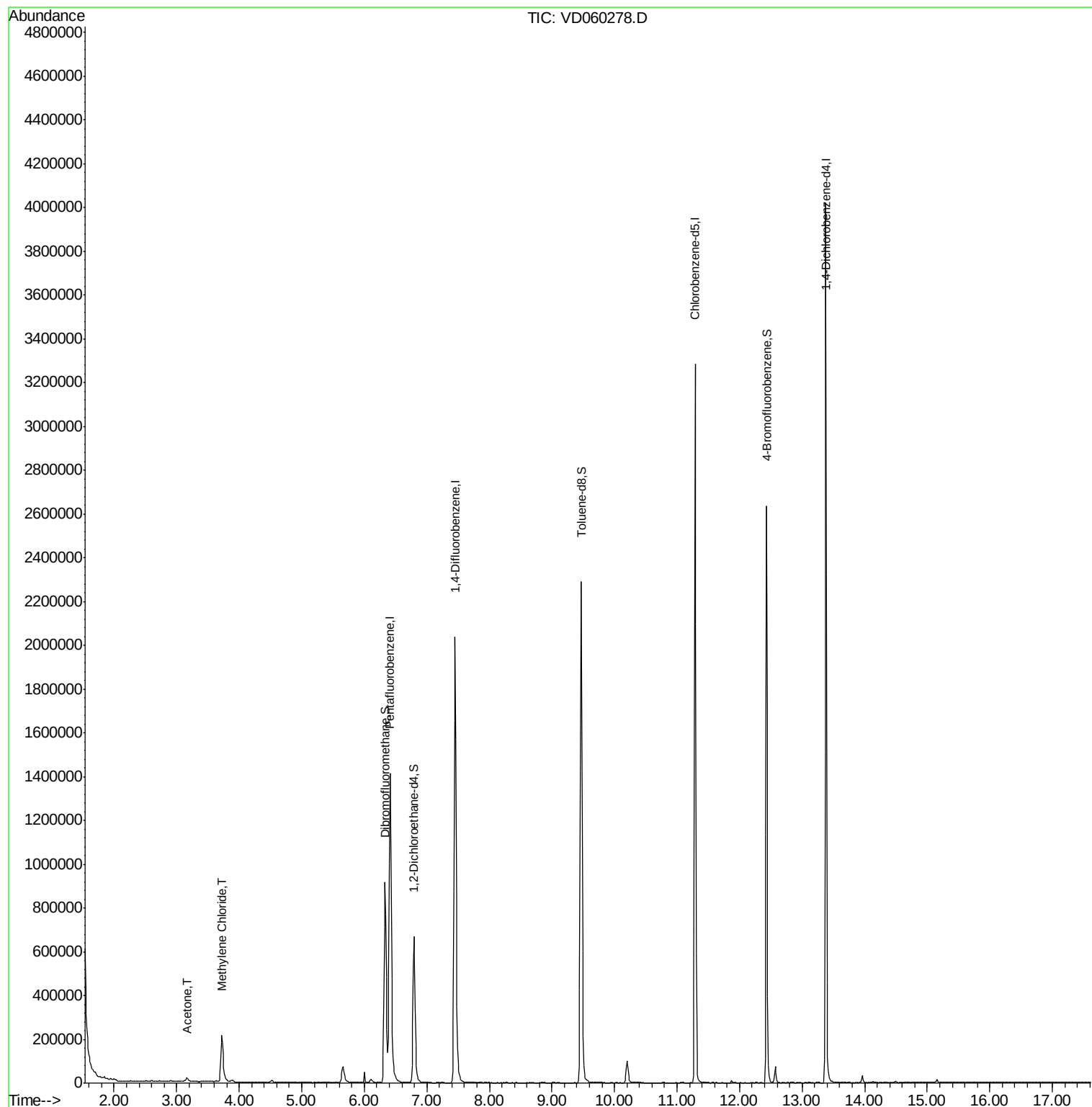
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 6.42  | 168  | 1421287  | 50.00  | ug/l    | 0.03     |
| 34) 1,4-Difluorobenzene     | 7.45  | 114  | 2087811  | 50.00  | ug/l    | 0.03     |
| 63) Chlorobenzene-d5        | 11.29 | 117  | 1700907  | 50.00  | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 13.38 | 152  | 903702   | 50.00  | ug/l    | 0.01     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.79  | 65   | 552132   | 51.25  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.50% |          |
| 35) Dibromofluoromethane    | 6.33  | 113  | 698249   | 44.04  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.08%  |          |
| 50) Toluene-d8              | 9.47  | 98   | 1903660  | 42.11  | ug/l    | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.22%  |          |
| 62) 4-Bromofluorobenzene    | 12.43 | 95   | 722984   | 42.71  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.42%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.16  | 43   | 32539    | 16.645 | ug/l    | 98       |
| 20) Methylene Chloride      | 3.72  | 84   | 133746   | 4.804  | ug/l    | 96       |

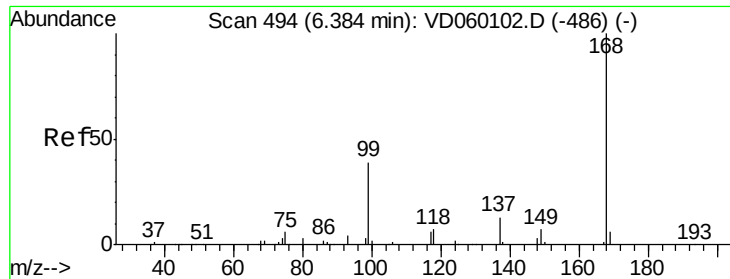
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060278.D

Acq: 1 Nov 2018 22:45

Instrument :

MSVOA\_D

ClientSampleId :

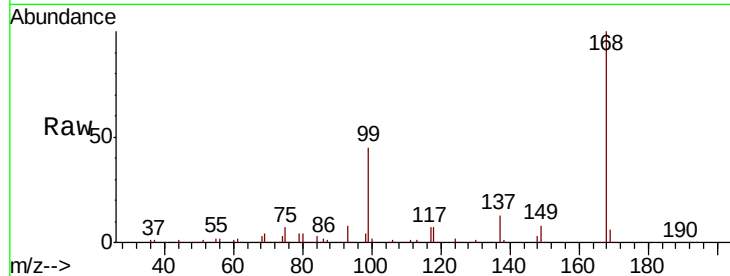
TP-3

Tot Ion:168 Resp: 1421287

Ion Ratio Lower Upper

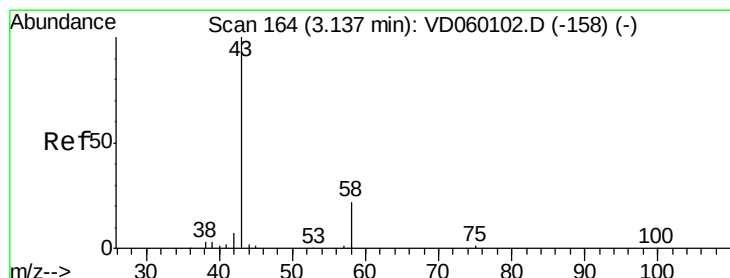
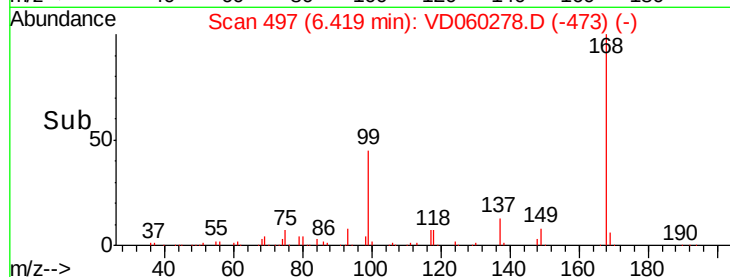
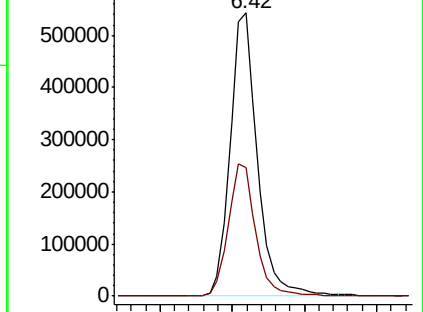
168 100

99 45.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 16.645 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060278.D

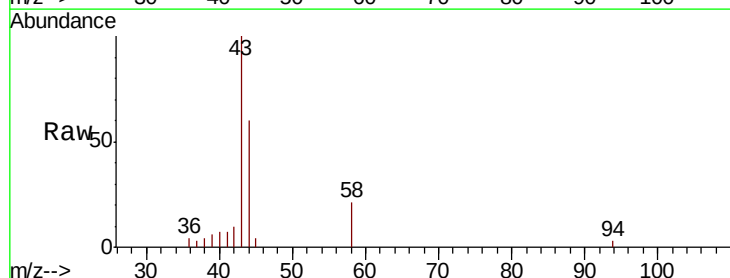
Acq: 1 Nov 2018 22:45

Tgt Ion: 43 Resp: 32539

Ion Ratio Lower Upper

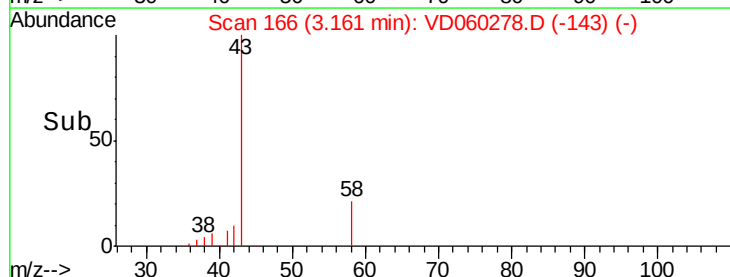
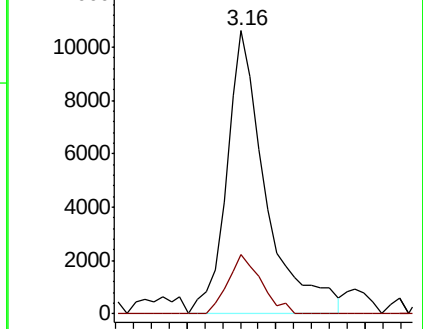
43 100

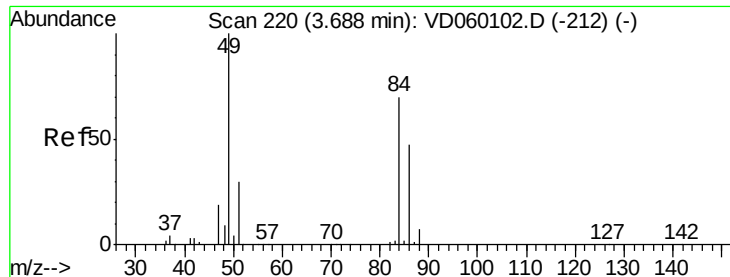
58 21.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

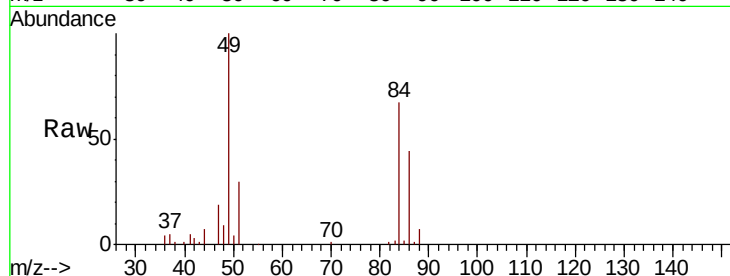




#20  
Methylene Chloride  
Concen: 4.804 ug/l  
RT: 3.72 min Scan# 223  
Delta R.T. 0.04 min  
Lab File: VD060278.D  
Acq: 1 Nov 2018 22:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-3

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 133746 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 149.3 | 114.6 | 172.0  |
| 51       | 44.3  | 33.8  | 50.8   |
| 86       | 65.6  | 53.3  | 79.9   |



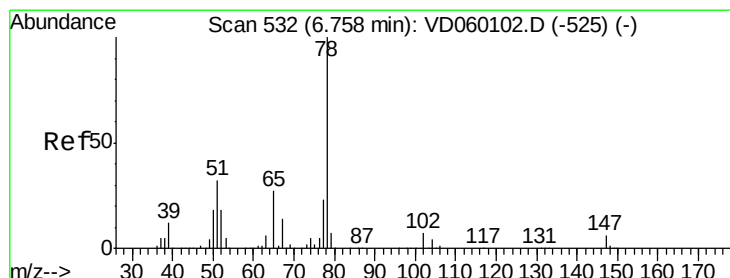
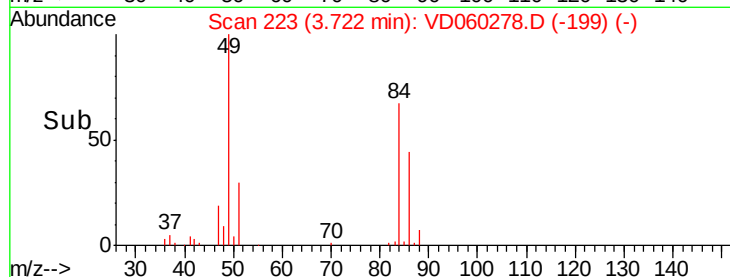
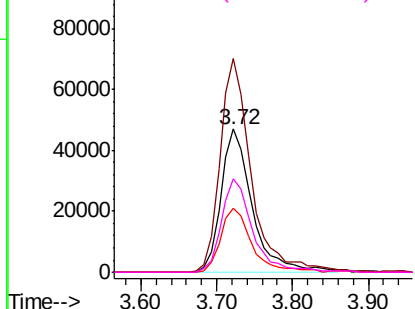
Abundance

Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

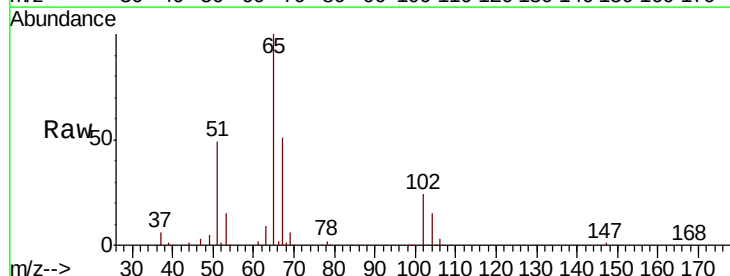
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.79 min Scan# 535  
Delta R.T. 0.03 min  
Lab File: VD060278.D  
Acq: 1 Nov 2018 22:45

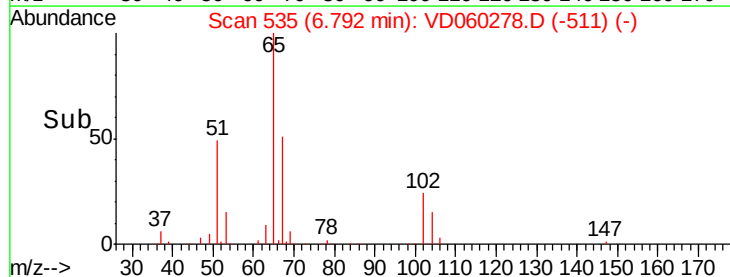
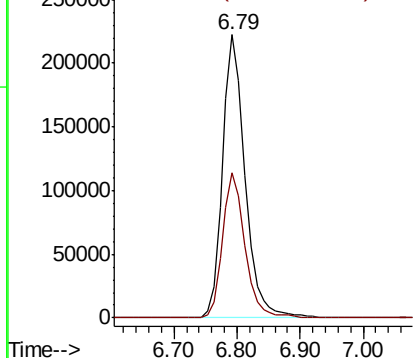
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 552132 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.5  | 0.0   | 106.2  |

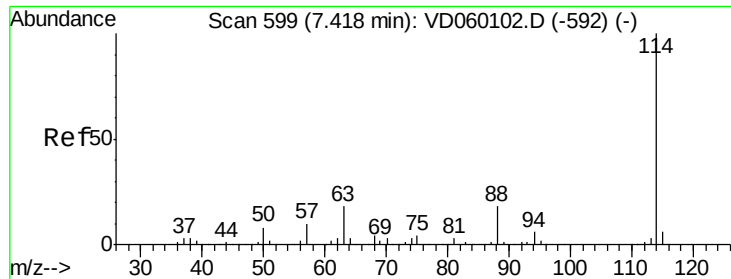


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

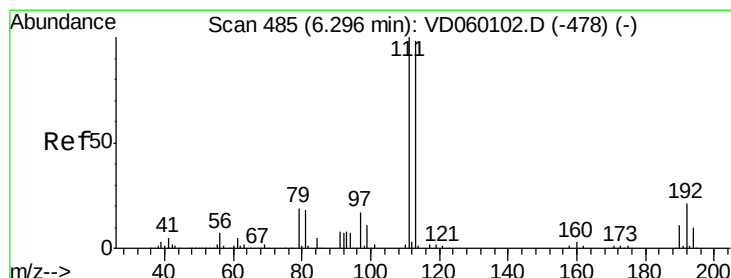
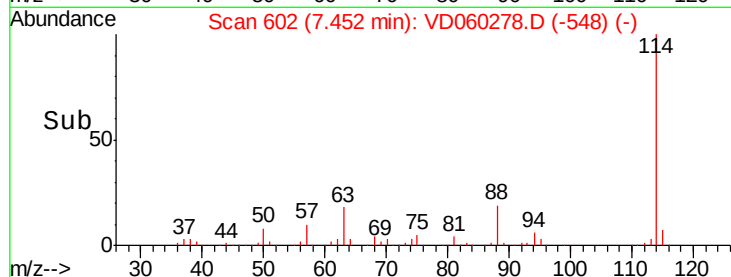
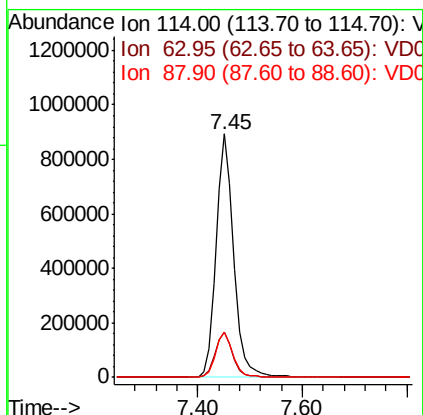
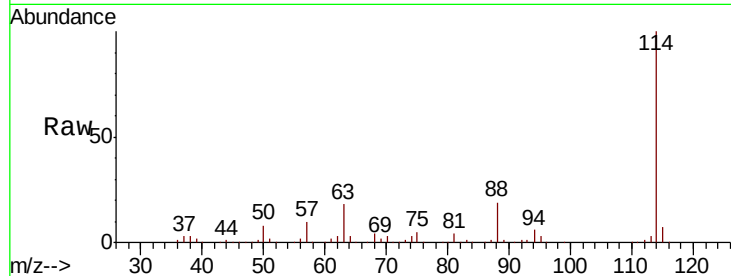




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.45 min Scan# 602  
 Delta R.T. 0.03 min  
 Lab File: VD060278.D  
 Acq: 1 Nov 2018 22:45

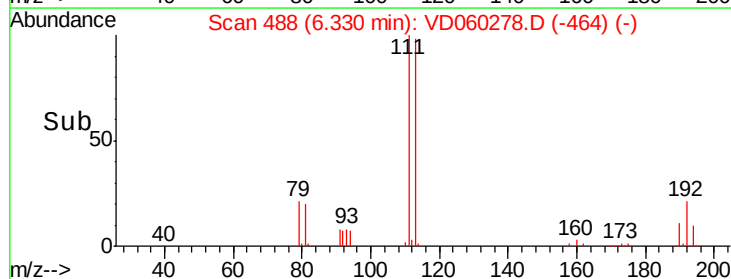
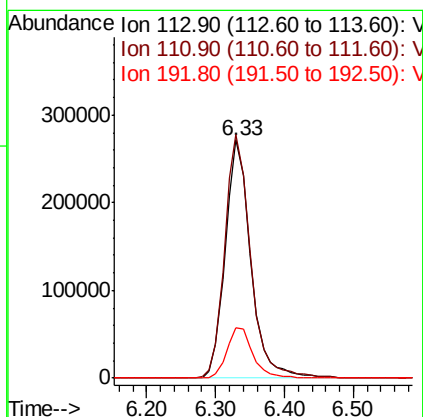
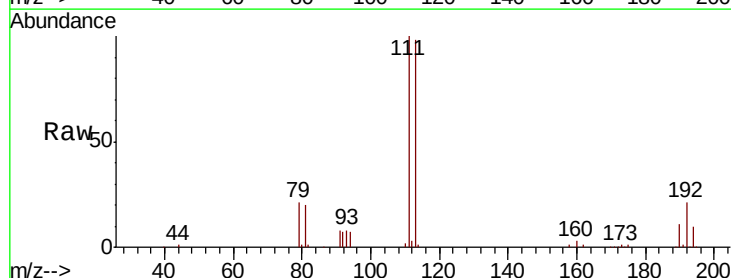
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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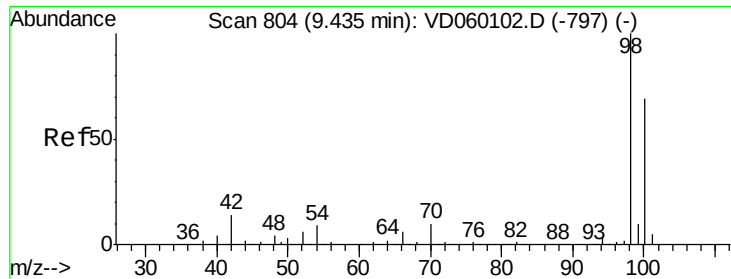
Tot Ion:114 Resp: 2087811  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 36.0  
 88 18.7 0.0 36.2



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.33 min Scan# 488  
 Delta R.T. 0.03 min  
 Lab File: VD060278.D  
 Acq: 1 Nov 2018 22:45

Tgt Ion:113 Resp: 698249  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.5 122.3  
 192 20.9 17.4 26.0

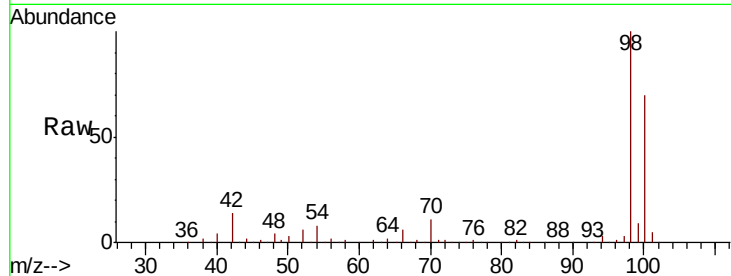




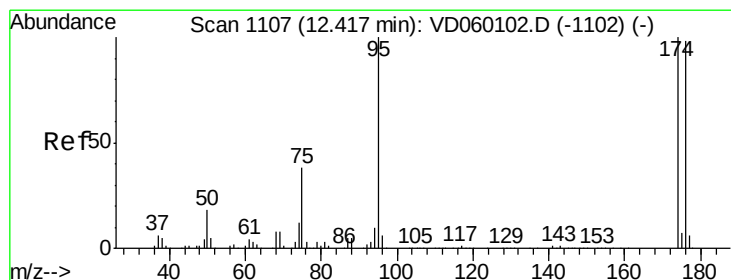
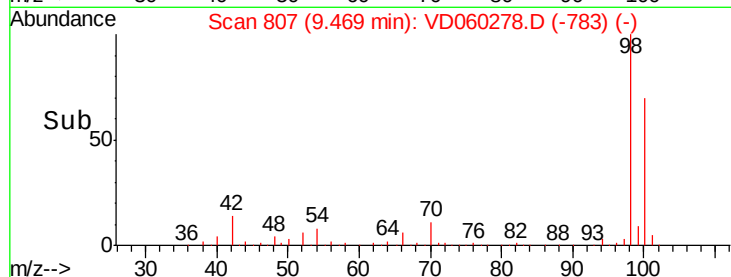
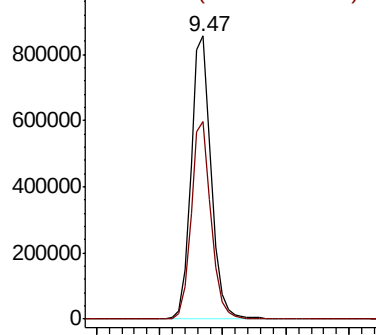
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.47 min Scan# 807  
Delta R.T. 0.03 min  
Lab File: VD060278.D  
Acq: 1 Nov 2018 22:45

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-3

Tot Ion: 98 Resp: 1903660  
Ion Ratio Lower Upper  
98 100  
100 69.8 55.4 83.0

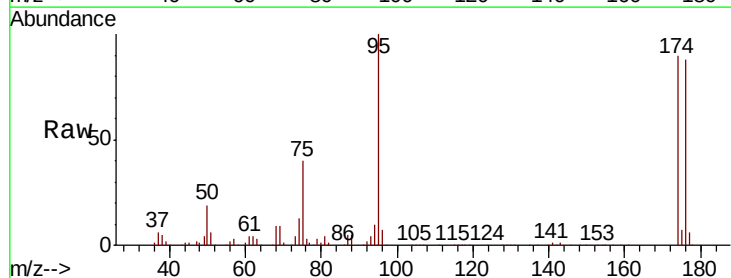


Abundance Ion 98.05 (97.75 to 98.75): VD0  
Ion 100.05 (99.75 to 100.75): VD

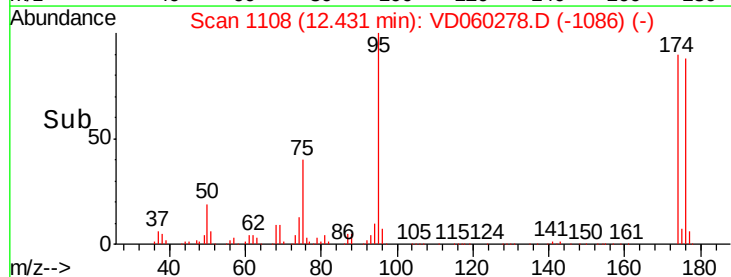
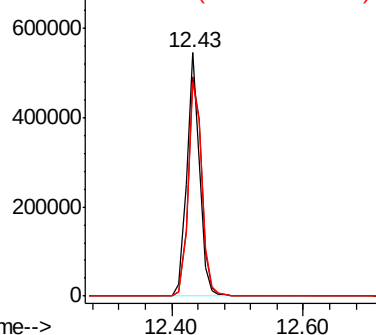


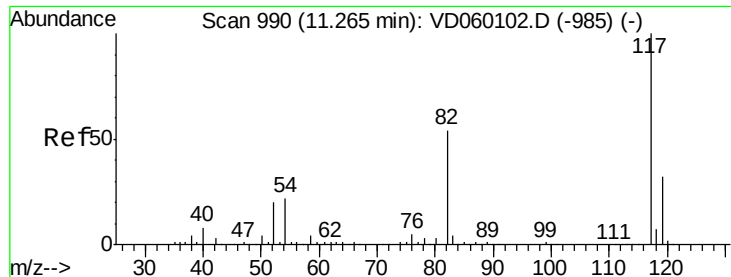
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.43 min Scan# 1108  
Delta R.T. 0.01 min  
Lab File: VD060278.D  
Acq: 1 Nov 2018 22:45

Tgt Ion: 95 Resp: 722984  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 200.2  
176 88.0 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD0  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V

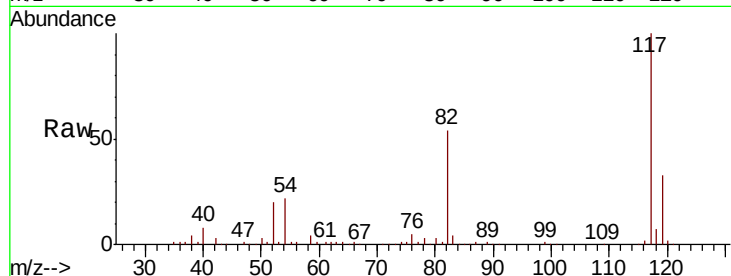




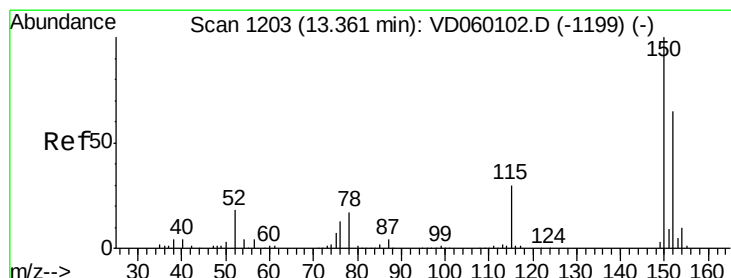
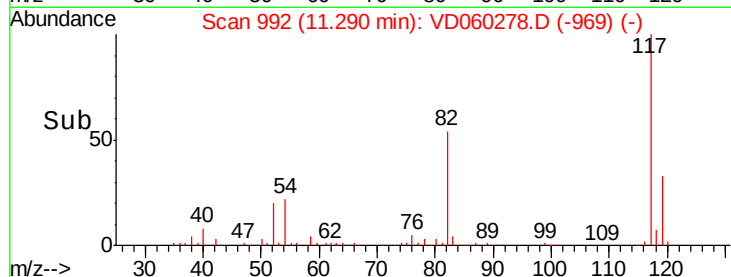
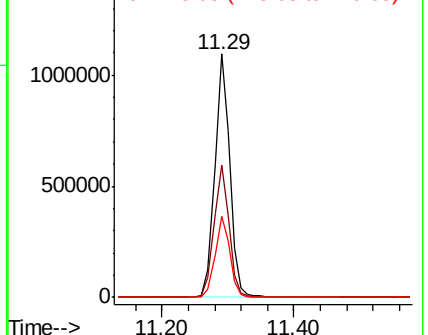
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.29 min Scan# 992  
Delta R.T. 0.02 min  
Lab File: VD060278.D  
Acq: 1 Nov 2018 22:45

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-3

Tot Ion:117 Resp: 1700907  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.4 65.2  
119 33.2 26.0 39.0

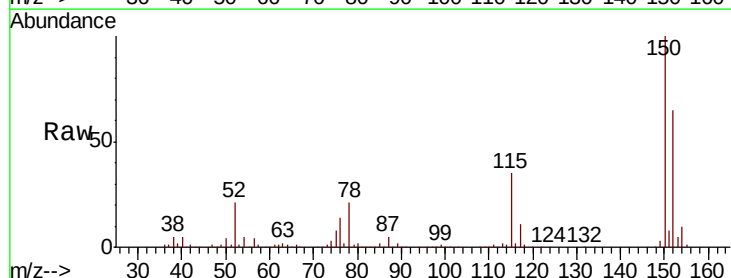


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.38 min Scan# 1204  
Delta R.T. 0.01 min  
Lab File: VD060278.D  
Acq: 1 Nov 2018 22:45

Tgt Ion:152 Resp: 903702  
Ion Ratio Lower Upper  
152 100  
115 52.8 27.1 81.2  
150 152.9 0.0 311.8



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

