

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\  
 Data File : VD060624.D  
 Acq On : 18 Dec 2018 16:38  
 Operator : VA/AP  
 Sample : J6397-04  
 Misc : 5.04g/5ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EB11 12-14

Quant Time: Dec 19 03:11:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

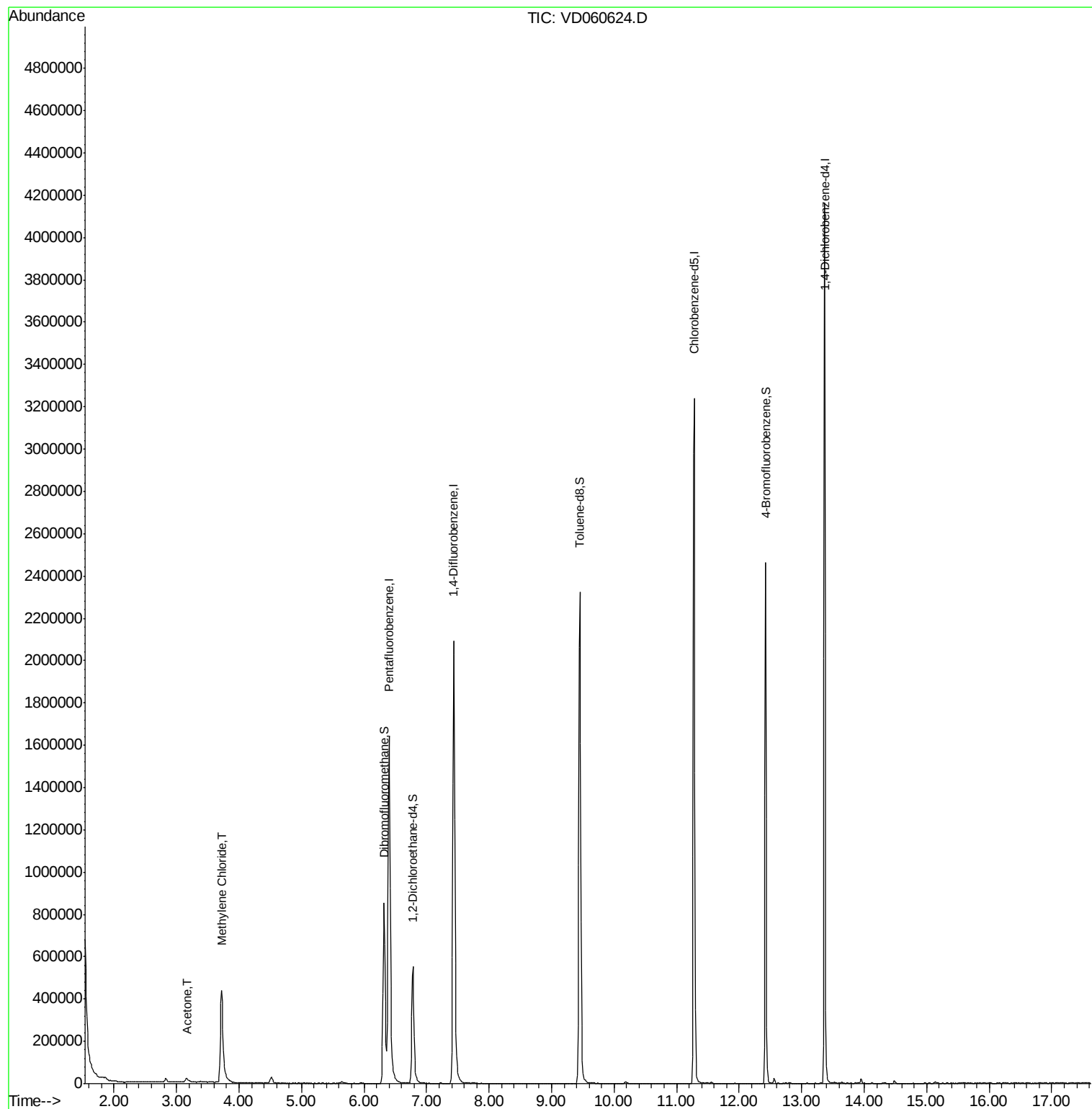
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 6.40  | 168  | 1636727  | 50.00  | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene     | 7.44  | 114  | 2276605  | 50.00  | ug/l   | -0.01    |
| 63) Chlorobenzene-d5        | 11.28 | 117  | 1856567  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 932527   | 50.00  | ug/l   | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.78  | 65   | 474982   | 40.94  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.88% |          |
| 35) Dibromofluoromethane    | 6.32  | 113  | 660619   | 39.51  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 79.02% |          |
| 50) Toluene-d8              | 9.45  | 98   | 1880864  | 38.87  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 77.74% |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 665117   | 38.41  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.82% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.16  | 43   | 43748    | 23.526 | ug/l   | 95       |
| 20) Methylene Chloride      | 3.72  | 84   | 307808   | 14.886 | ug/l   | 96       |

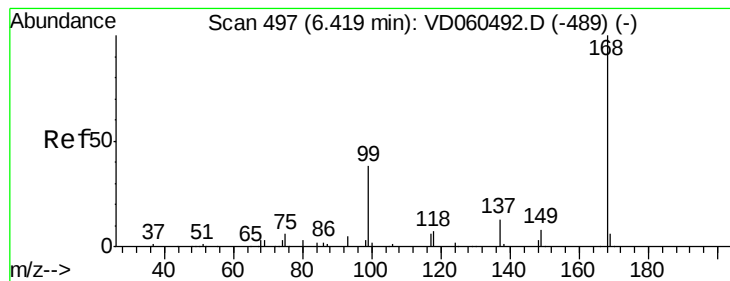
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121818\  
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Operator : VA/AP  
Sample : J6397-04  
Misc : 5.04g/5ml/MSVOA D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
EB11\_12-14

Quant Time: Dec 19 03:11:28 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 06 01:49:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA\_D

ClientSampleId :

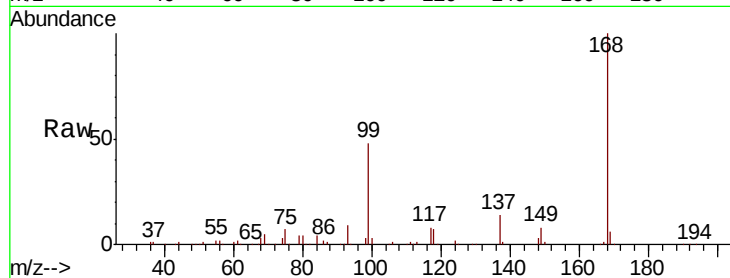
EB11 12-14

Tot Ion:168 Resp: 1636727

Ion Ratio Lower Upper

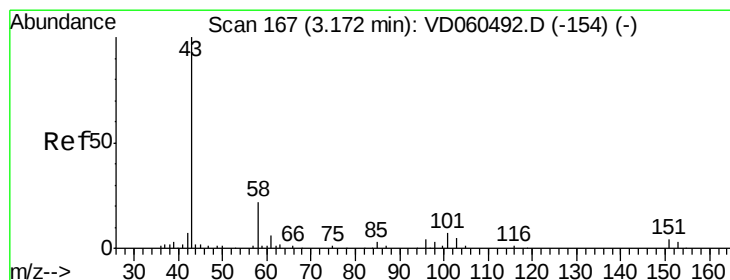
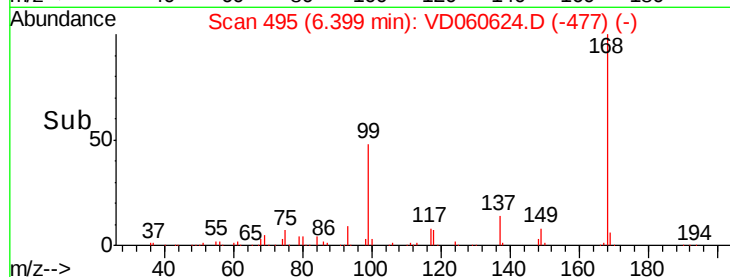
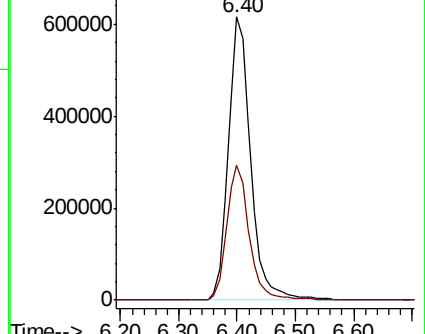
168 100

99 47.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 23.526 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060624.D

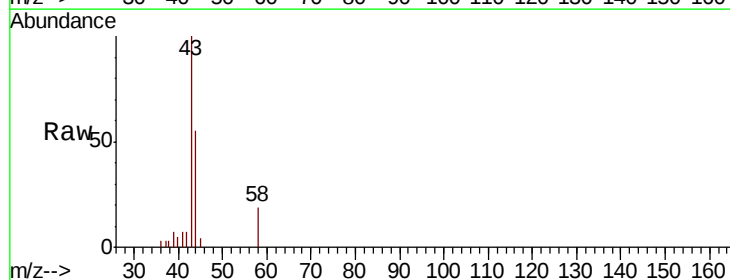
Acq: 18 Dec 2018 16:38

Tgt Ion: 43 Resp: 43748

Ion Ratio Lower Upper

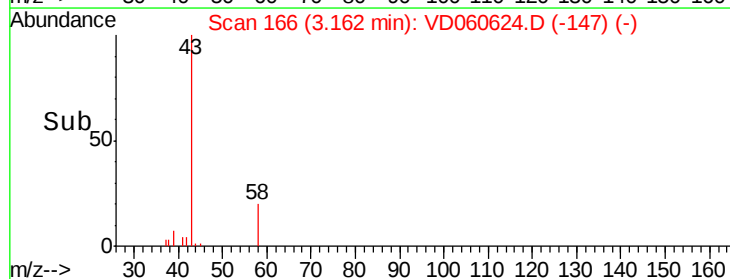
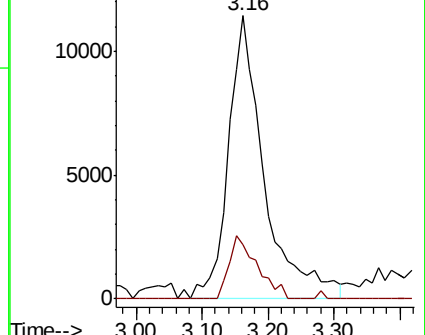
43 100

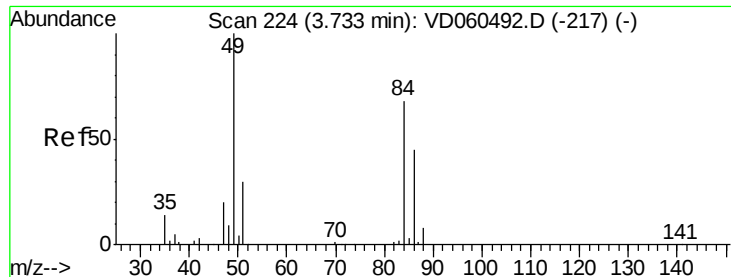
58 19.1 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

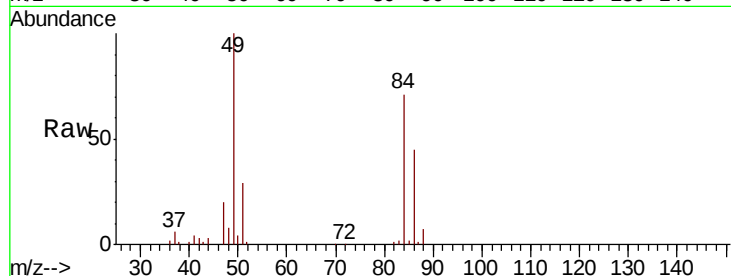




#20  
Methvlene Chloride  
Concen: 14.886 ug/l  
RT: 3.72 min Scan# 223  
Delta R.T. -0.01 min  
Lab File: VD060624.D  
Acq: 18 Dec 2018 16:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
EB11\_12-14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 140.9 | 117.2 | 175.8 |
| 51      | 41.1  | 35.3  | 52.9  |
| 86      | 63.9  | 53.2  | 79.8  |



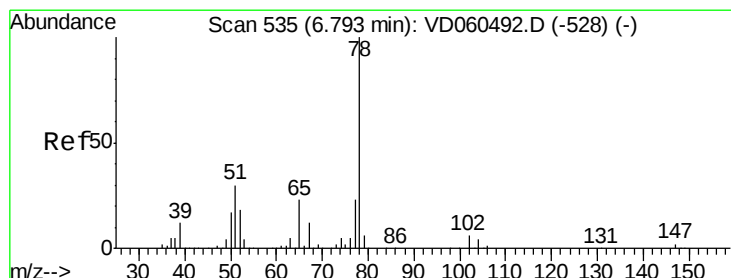
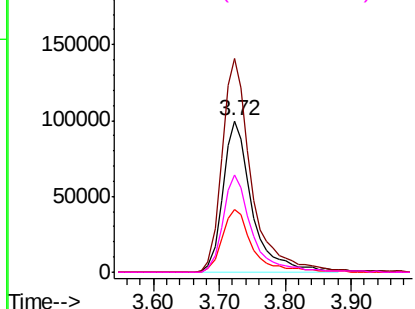
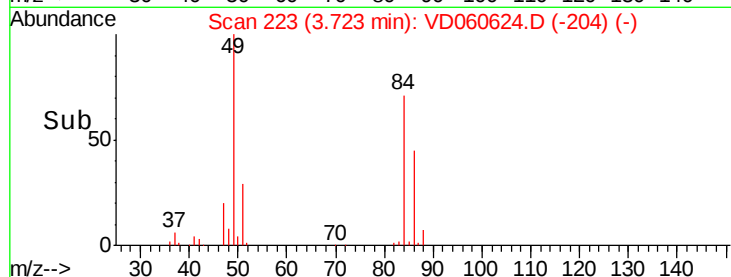
Abundance

Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

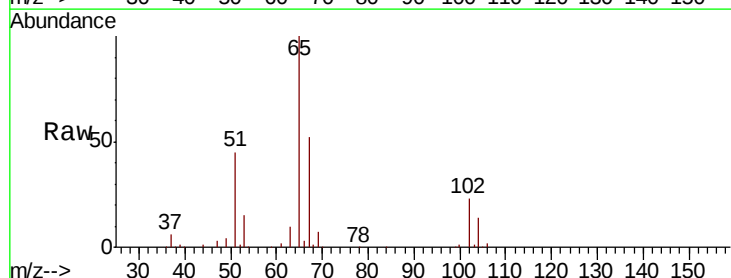
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.78 min Scan# 534  
Delta R.T. -0.01 min  
Lab File: VD060624.D  
Acq: 18 Dec 2018 16:38

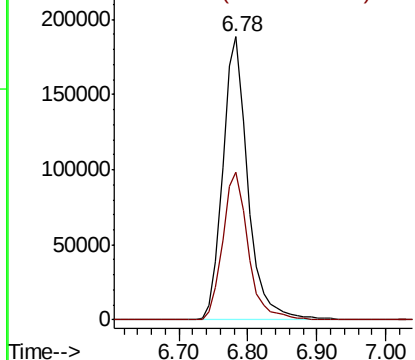
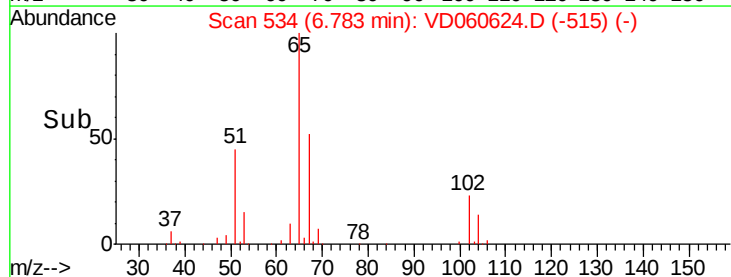
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.2  | 0.0   | 106.8 |

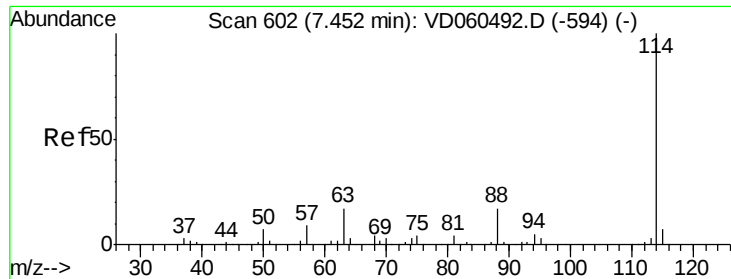


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

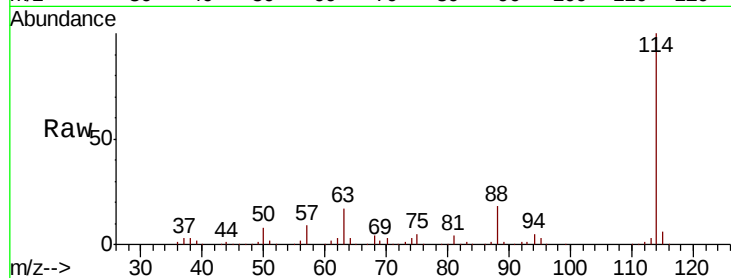




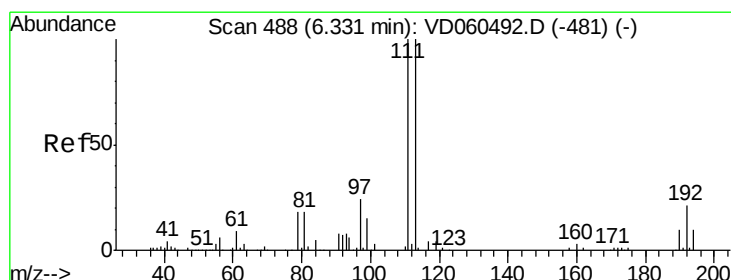
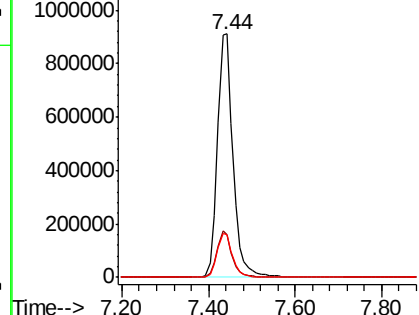
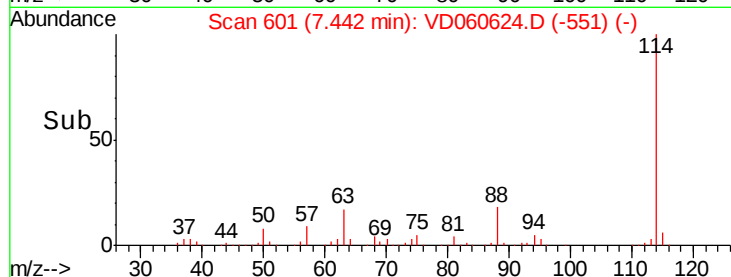
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 7.44 min Scan# 601  
Delta R.T. -0.01 min  
Lab File: VD060624.D  
Acq: 18 Dec 2018 16:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
EB11\_12-14

Tot Ion:114 Resp: 2276605  
Ion Ratio Lower Upper  
114 100  
63 17.4 0.0 34.2  
88 17.7 0.0 35.0

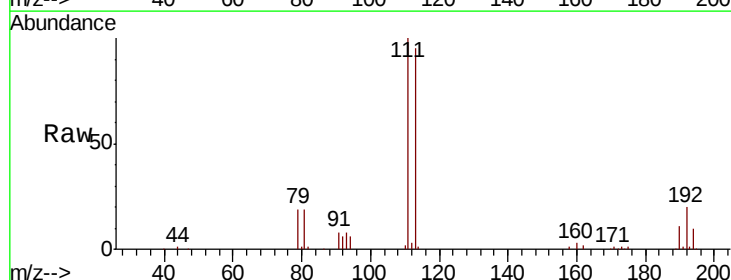


Abundance Ion 114.00 (113.70 to 114.70): V  
Ion 62.95 (62.65 to 63.65): V  
Ion 87.90 (87.60 to 88.60): V

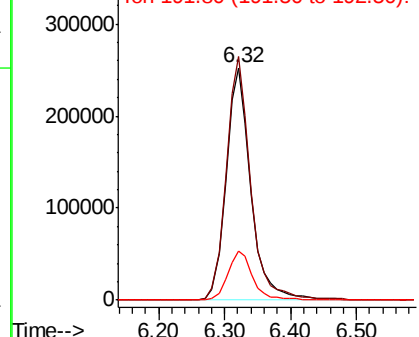
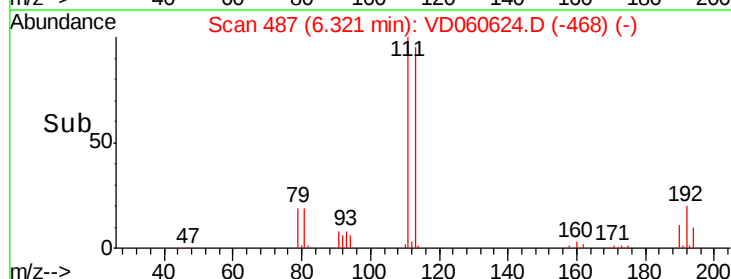


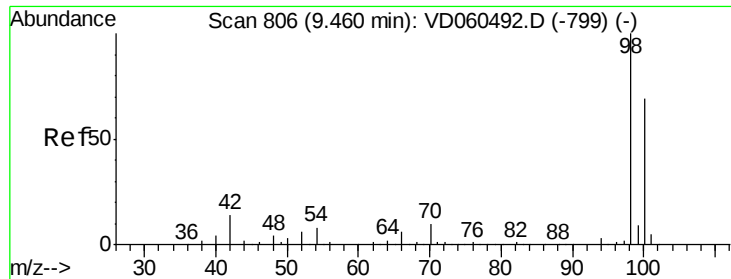
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.32 min Scan# 487  
Delta R.T. -0.01 min  
Lab File: VD060624.D  
Acq: 18 Dec 2018 16:38

Tgt Ion:113 Resp: 660619  
Ion Ratio Lower Upper  
113 100  
111 104.9 80.2 120.4  
192 21.0 16.6 24.8



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: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

Instrument :

MSVOA\_D

ClientSampleId :

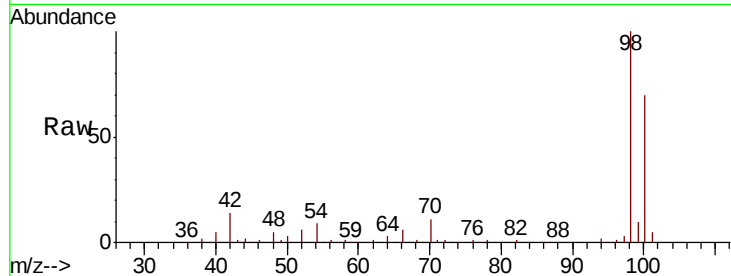
EB11 12-14

Tot Ion: 98 Resp: 1880864

Ion Ratio Lower Upper

98 100

100 70.0 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

1000000

800000

600000

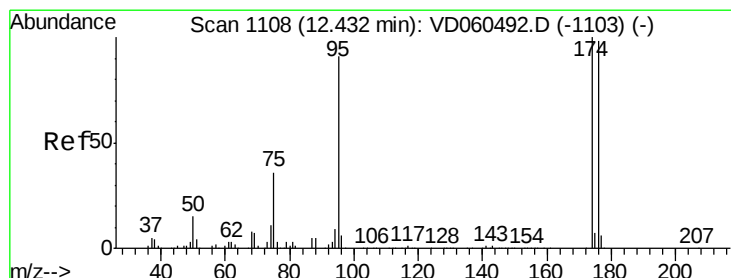
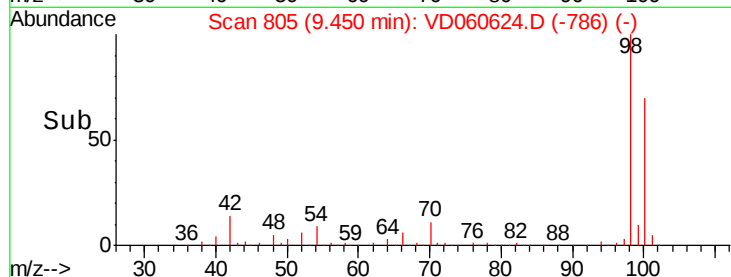
400000

200000

0

9.30 9.40 9.50 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060624.D

Acq: 18 Dec 2018 16:38

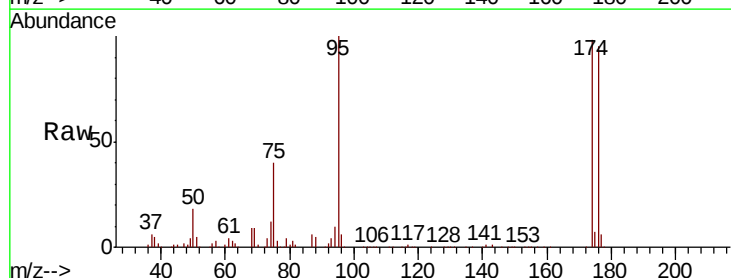
Tgt Ion: 95 Resp: 665117

Ion Ratio Lower Upper

95 100

174 98.4 0.0 219.4

176 94.9 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

600000

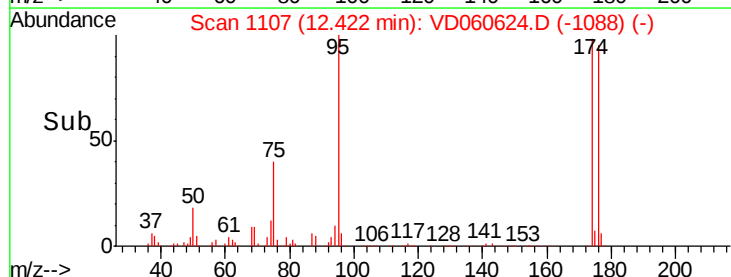
400000

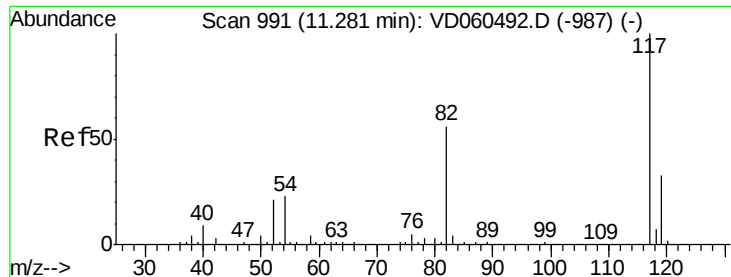
200000

0

12.30 12.40 12.50 12.60

Time-->

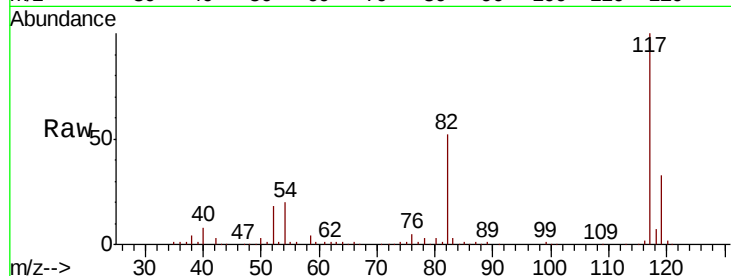




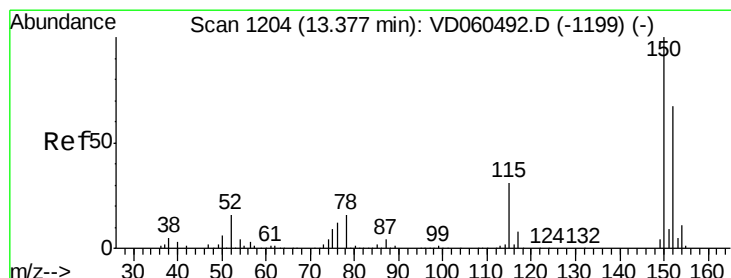
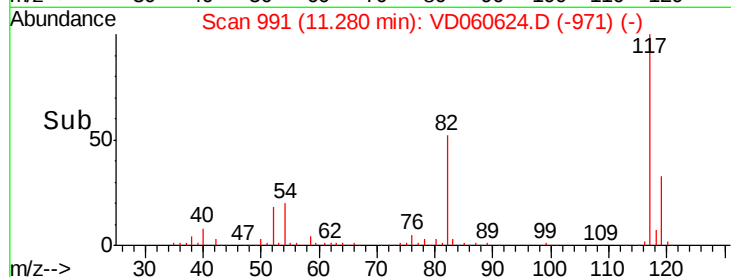
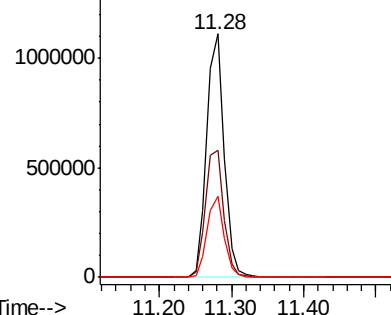
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 991  
Delta R.T. -0.00 min  
Lab File: VD060624.D  
Acq: 18 Dec 2018 16:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
EB11 12-14

Tot Ion:117 Resp: 1856567  
Ion Ratio Lower Upper  
117 100  
82 52.3 45.2 67.8  
119 33.1 26.1 39.1

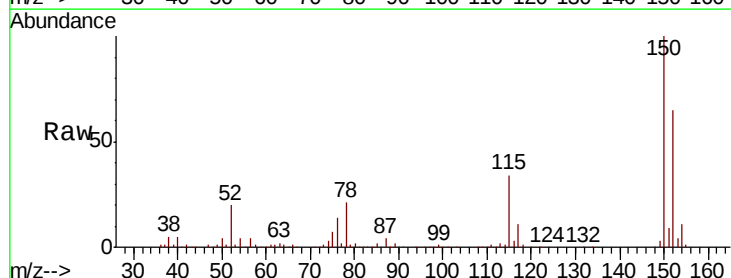


Abundance Ion 116.95 (116.65 to 117.65): V  
1500000 Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.37 min Scan# 1203  
Delta R.T. -0.01 min  
Lab File: VD060624.D  
Acq: 18 Dec 2018 16:38

Tgt Ion:152 Resp: 932527  
Ion Ratio Lower Upper  
152 100  
115 51.9 24.6 74.0  
150 153.3 0.0 309.0



Abundance Ion 151.90 (151.60 to 152.60): V  
1500000 Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V

