

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\  
 Data File : VX011615.D  
 Acq On : 17 Aug 2019 05:42  
 Operator : JC/SP  
 Sample : K4265-19  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 R1-R2-(4.3)

Quant Time: Aug 19 04:52:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 04:15:26 2019  
 Response via : Initial Calibration

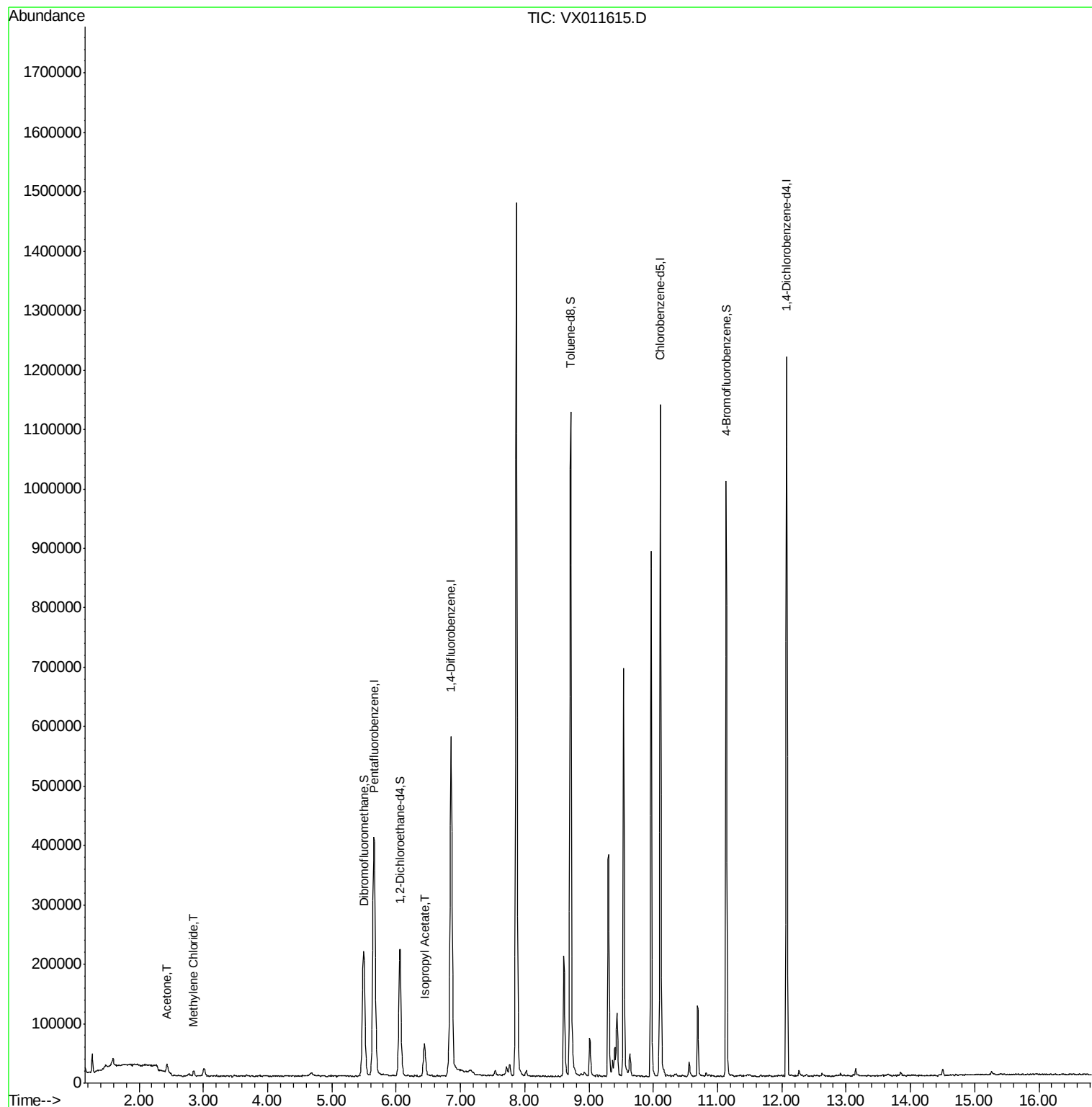
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 442049   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 608523   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 549017   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 270416   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 208079   | 50.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.52% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 179415   | 45.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.16%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 699565   | 56.41 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.82% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 248056   | 47.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.78%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.43  | 43   | 13117    | 6.364 | ug/l    | 94       |
| 20) Methylene Chloride      | 2.85  | 84   | 4580     | 1.058 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 74155    | 7.940 | ug/l    | 99       |

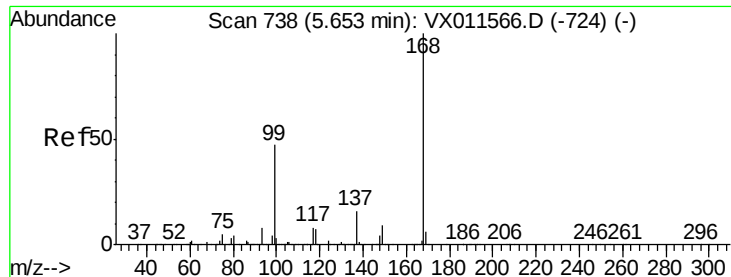
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081619\  
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ClientSampleId :  
R1-R2-(4.3)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 04:15:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA\_X

ClientSampleId :

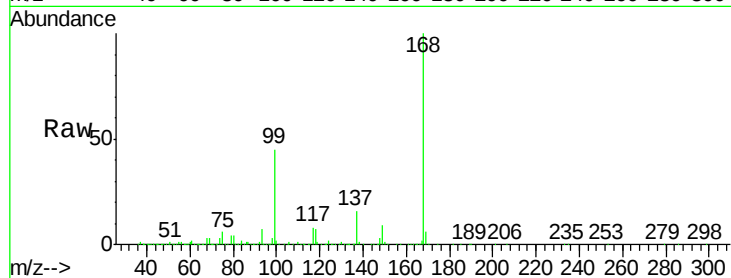
R1-R2-(4.3)

Tot Ion:168 Resp: 442049

Ion Ratio Lower Upper

168 100

99 44.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

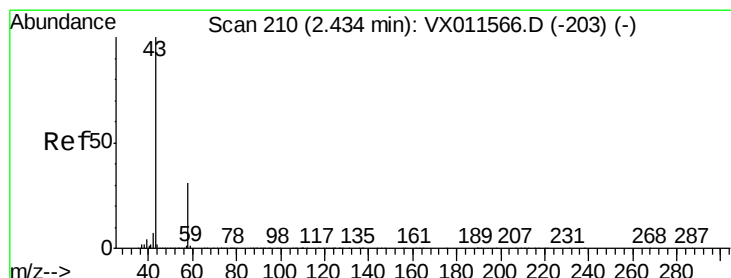
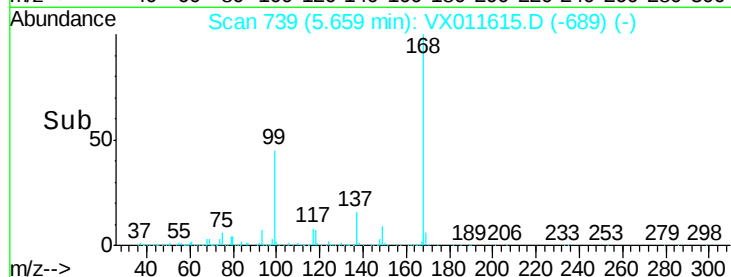
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 6.364 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011615.D

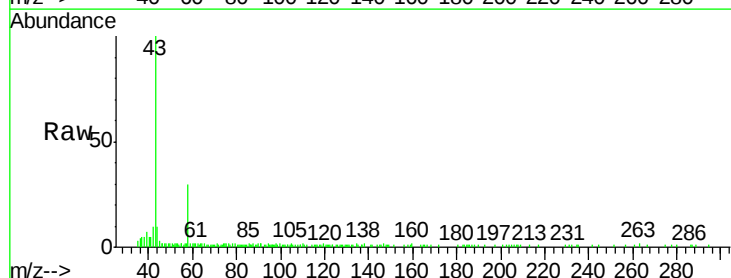
Acq: 17 Aug 2019 05:42

Tgt Ion: 43 Resp: 13117

Ion Ratio Lower Upper

43 100

58 27.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

8000

6000

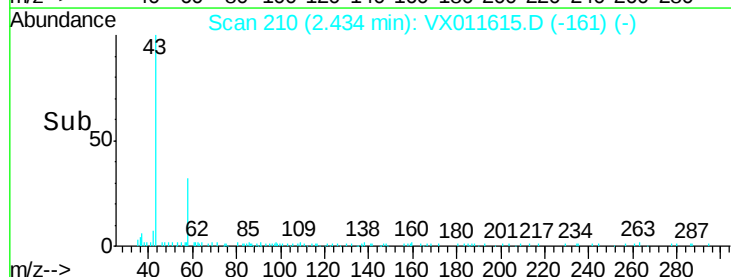
4000

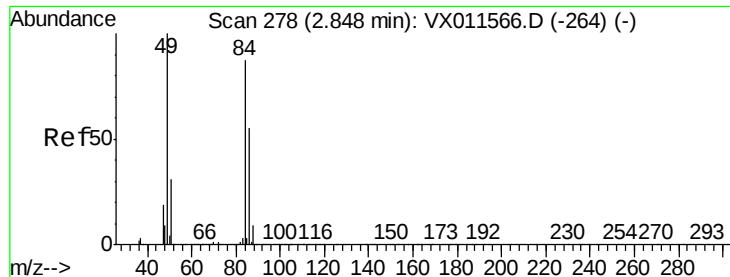
2000

0

Time-->

2.35 2.40 2.45 2.50

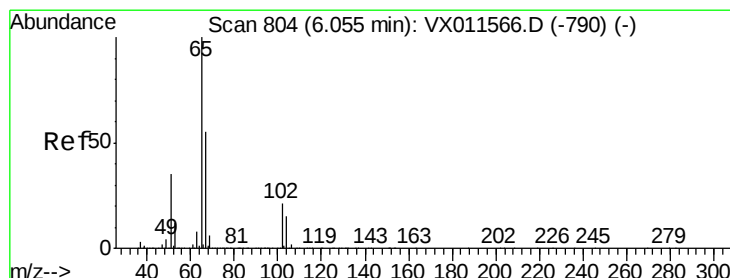
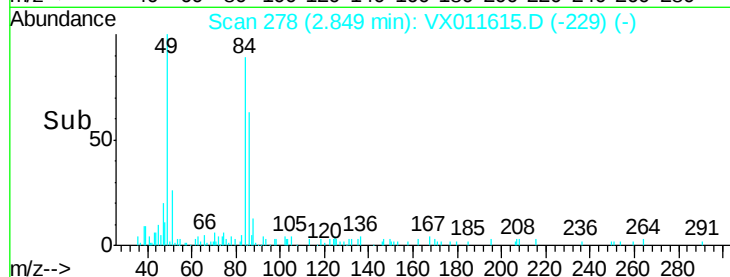
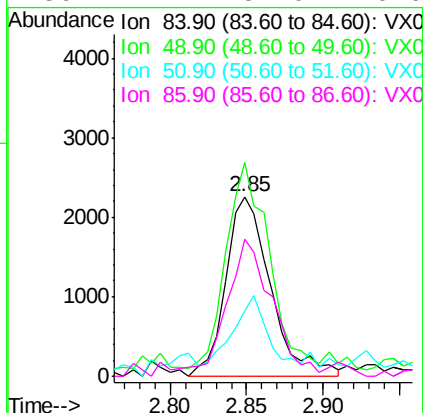
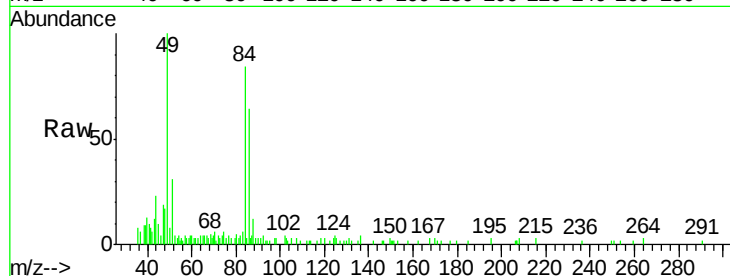




#20  
Methvlene Chloride  
Concen: 1.058 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011615.D  
Acq: 17 Aug 2019 05:42

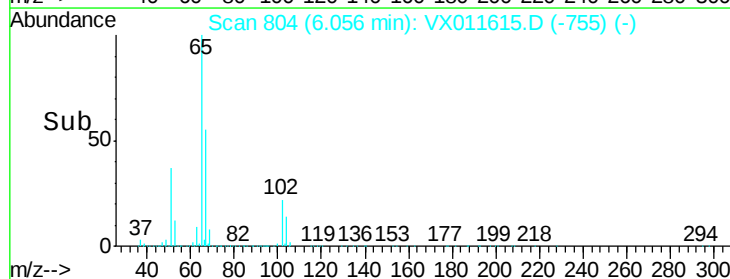
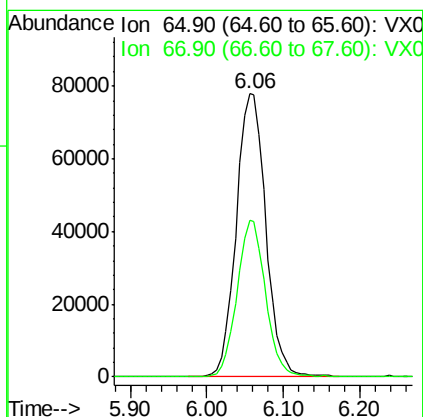
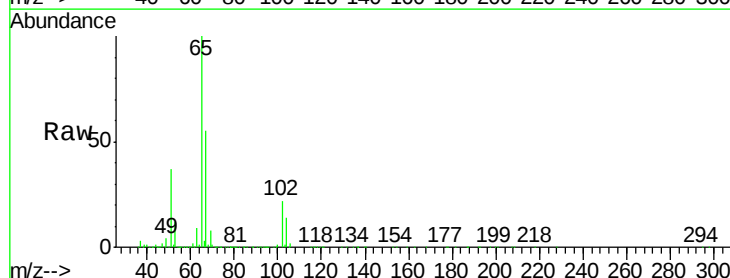
Instrument :  
MSVOA\_X  
ClientSampleId :  
R1-R2-(4.3)

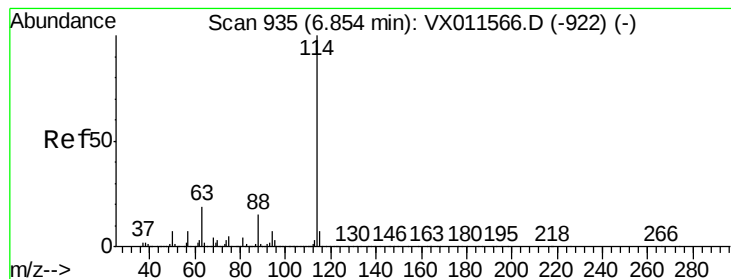
| Tot Ion: | 84    | Resp: | 4580  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 111.9 | 92.4  | 138.6 |
| 51       | 30.0  | 28.5  | 42.7  |
| 86       | 71.4  | 51.0  | 76.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.758 ug/l  
RT: 6.06 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: VX011615.D  
Acq: 17 Aug 2019 05:42

| Tgt Ion: | 65    | Resp: | 208079 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.2  | 0.0   | 107.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA\_X

ClientSampleId :

R1-R2-(4.3)

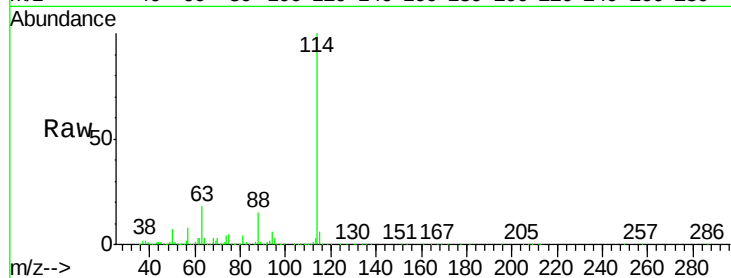
Tot Ion:114 Resp: 608523

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

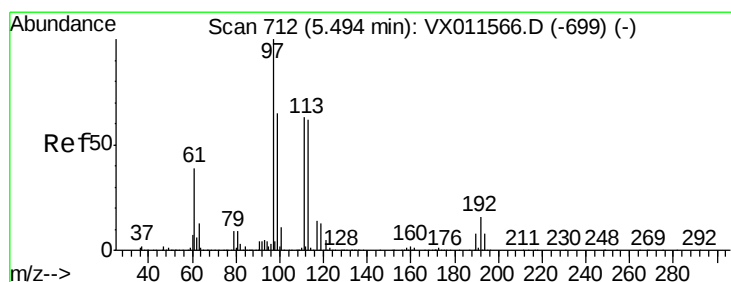
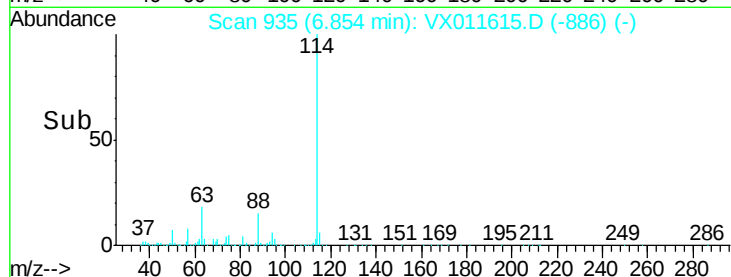
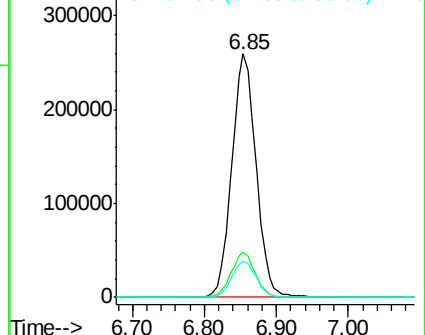
88 15.1 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.078 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

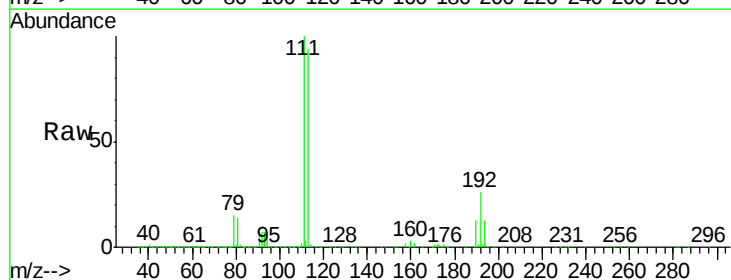
Tgt Ion:113 Resp: 179415

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

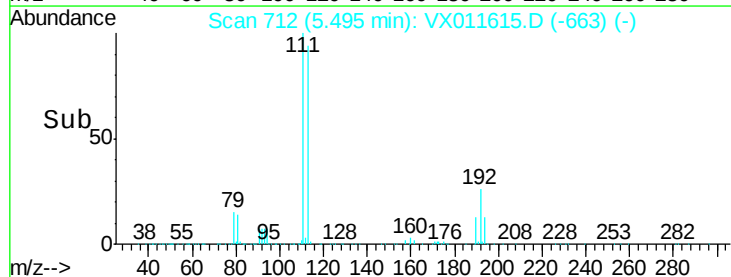
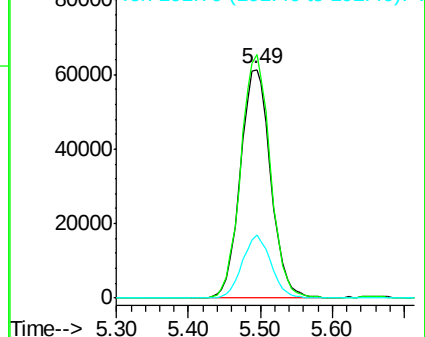
192 26.1 20.8 31.2

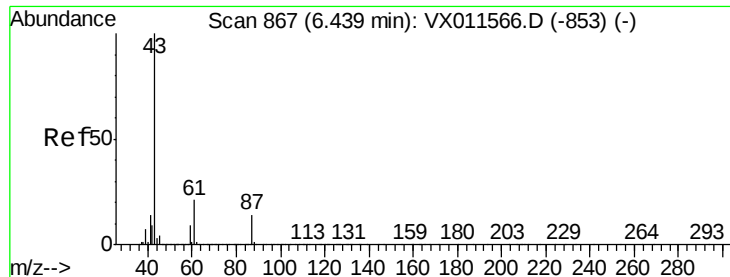


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



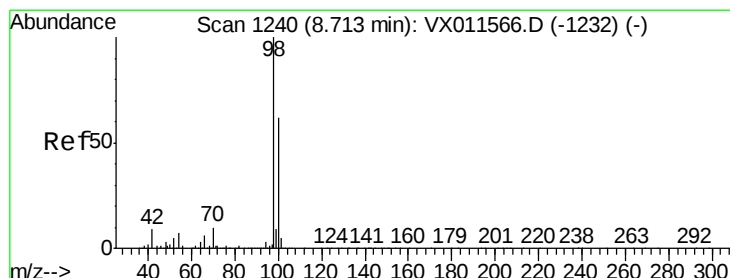
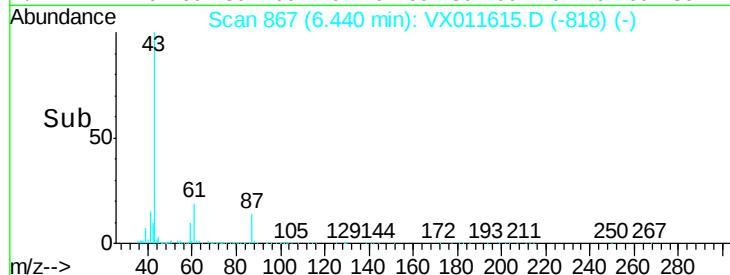
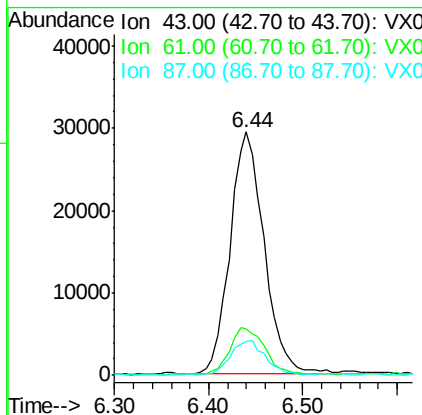
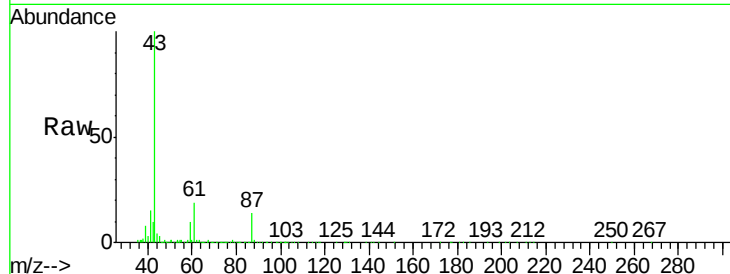


#43

Isopropyl Acetate  
 Concen: 7.940 ug/l  
 RT: 6.44 min Scan# 867  
 Delta R.T. 0.00 min  
 Lab File: VX011615.D  
 Acq: 17 Aug 2019 05:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 R1-R2-(4.3)

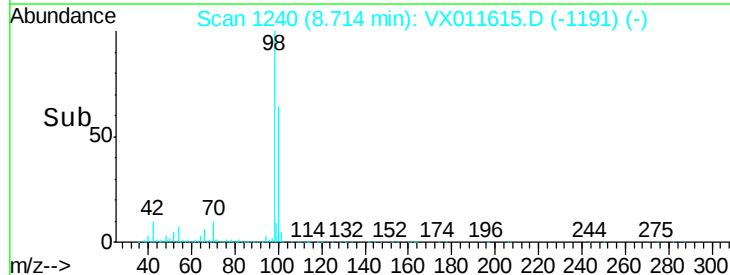
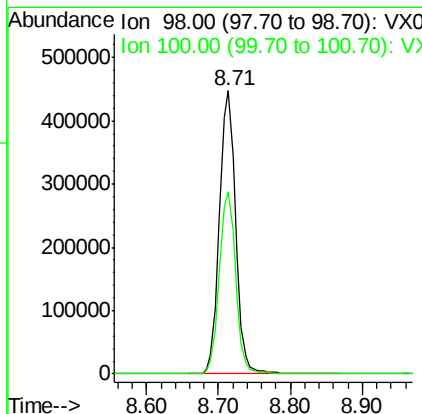
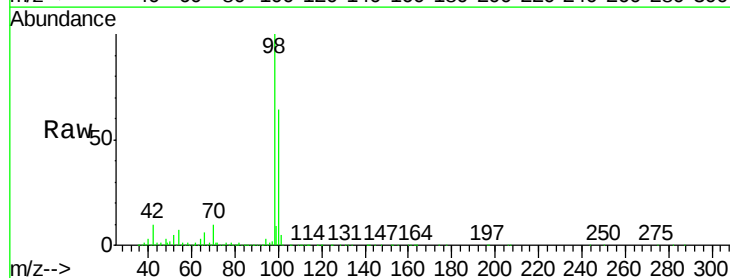
| Tot Ion   | 43   | Resp  | 74155 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 61        | 20.1 | 16.6  | 24.8  |
| 87        | 14.4 | 11.4  | 17.2  |

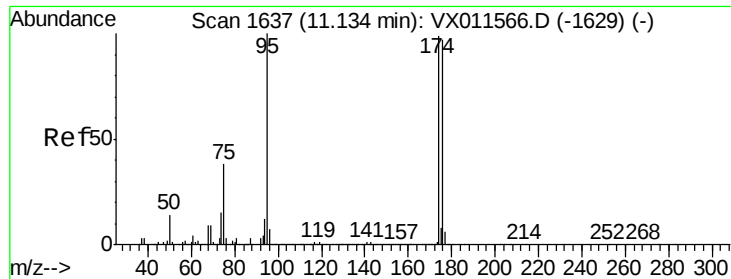


#50

Toluene-d8  
 Concen: 56.409 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011615.D  
 Acq: 17 Aug 2019 05:42

| Tgt Ion   | 98   | Resp  | 699565 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 100       | 65.0 | 52.4  | 78.6   |

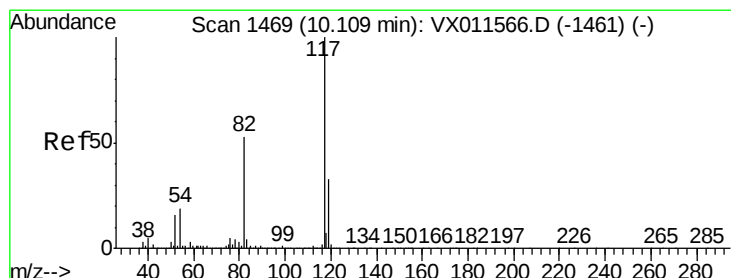
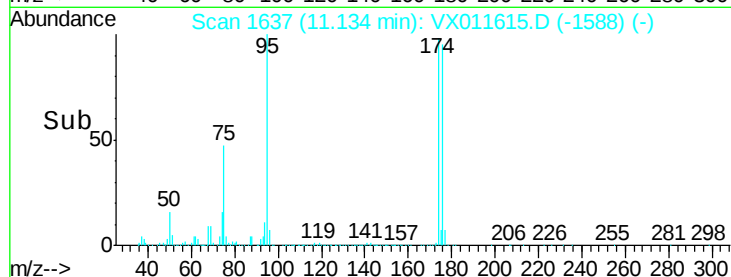
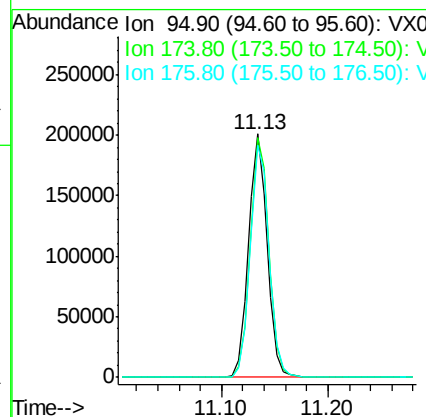
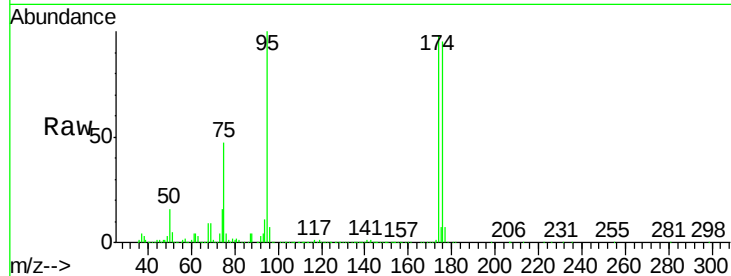




#62  
4-Bromofluorobenzene  
Concen: 47.389 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX011615.D  
Acq: 17 Aug 2019 05:42

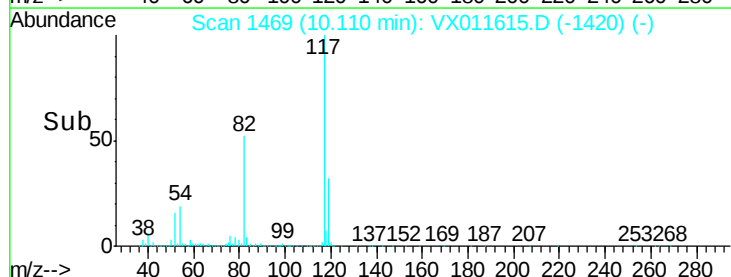
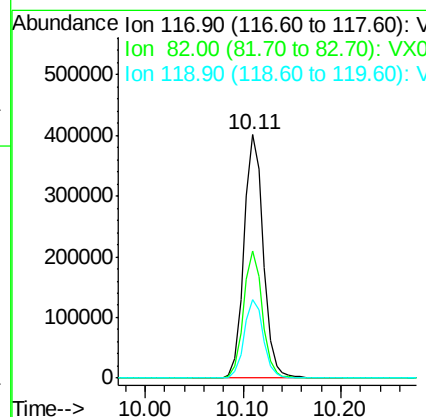
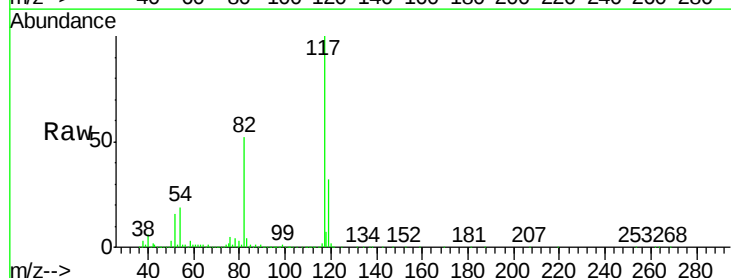
Instrument :  
MSVOA\_X  
ClientSampled :  
R1-R2-(4.3)

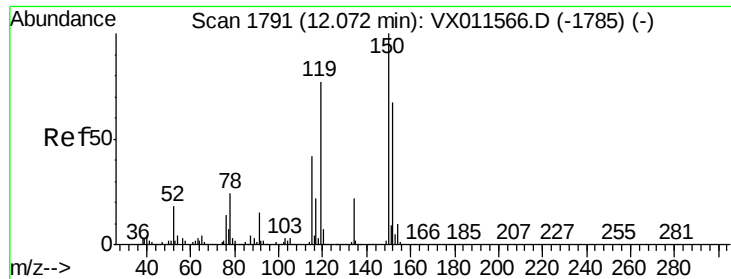
Tot Ion: 95 Resp: 248056  
Ion Ratio Lower Upper  
95 100  
174 98.7 0.0 200.6  
176 96.8 0.0 196.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011615.D  
Acq: 17 Aug 2019 05:42

Tgt Ion: 117 Resp: 549017  
Ion Ratio Lower Upper  
117 100  
82 52.3 42.0 63.0  
119 32.0 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011615.D

Acq: 17 Aug 2019 05:42

Instrument :

MSVOA\_X

ClientSampleId :

R1-R2-(4.3)

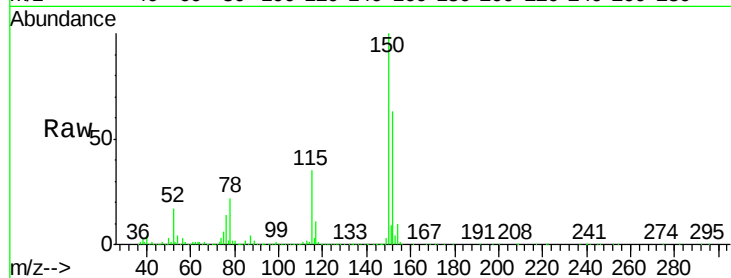
Tot Ion:152 Resp: 270416

Ion Ratio Lower Upper

152 100

115 52.5 37.3 111.9

150 156.2 0.0 346.2



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

