

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\  
 Data File : VX005563.D  
 Acq On : 25 Oct 2018 01:51  
 Operator : JC/MD  
 Sample : J5198-26  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-102318-C

Quant Time: Oct 25 06:42:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 13:13:34 2018  
 Response via : Initial Calibration

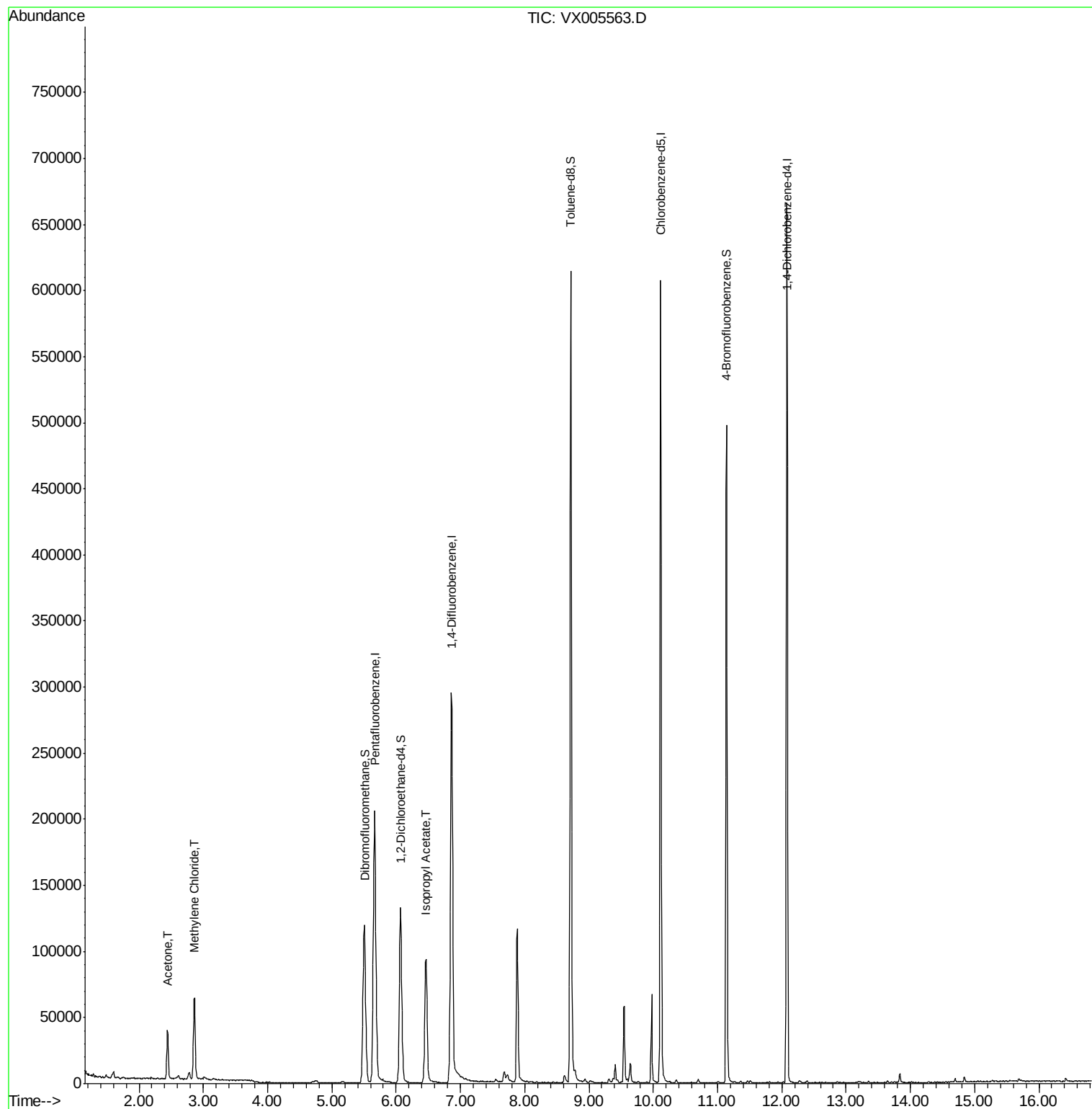
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 202601   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 310253   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 284588   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 135221   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 130337   | 52.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.40% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 101198   | 48.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.34%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 373558   | 49.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.98%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 124267   | 43.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.44  | 43   | 38939    | 29.796 | ug/l    | 91       |
| 20) Methylene Chloride      | 2.86  | 84   | 27219    | 12.436 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 133136   | 23.124 | ug/l    | 93       |

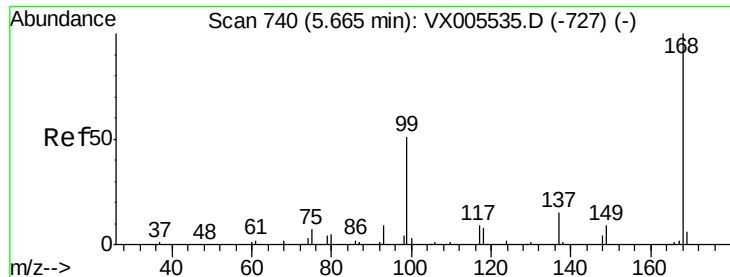
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 24 13:13:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005563.D

Acq: 25 Oct 2018 01:51

Instrument :

MSVOA\_X

ClientSampleId :

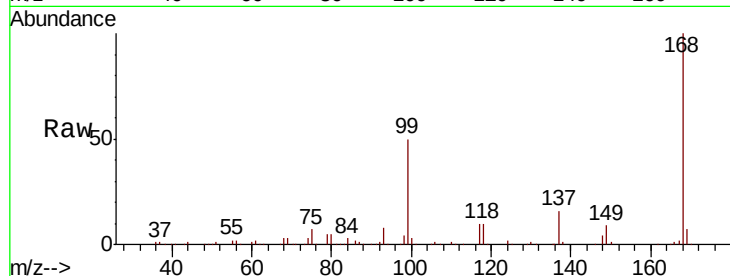
CL-01-102318-C

Tot Ion:168 Resp: 202601

Ion Ratio Lower Upper

168 100

99 50.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

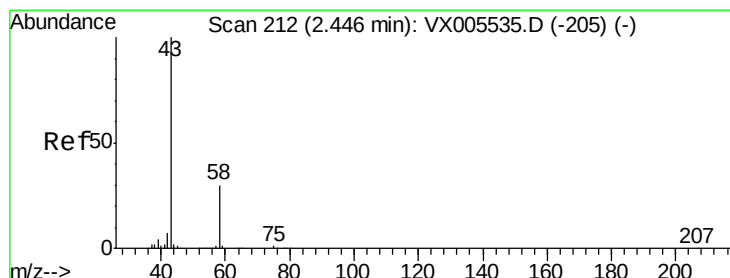
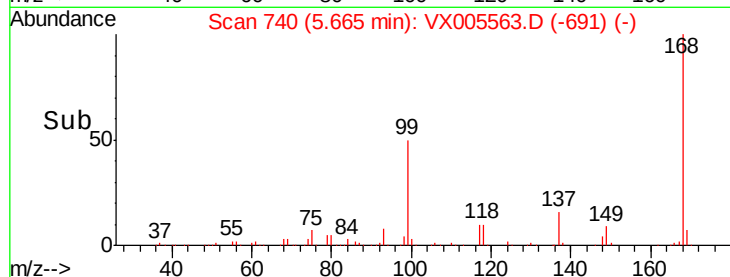
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 29.796 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005563.D

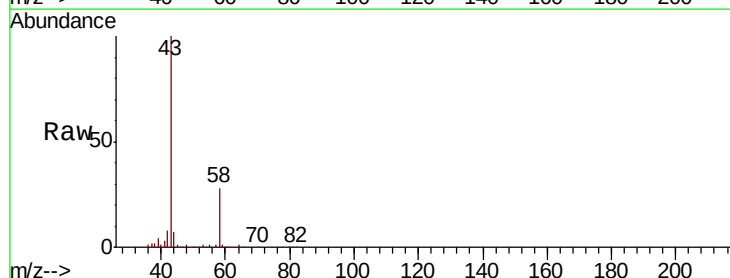
Acq: 25 Oct 2018 01:51

Tgt Ion: 43 Resp: 38939

Ion Ratio Lower Upper

43 100

58 27.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

25000

20000

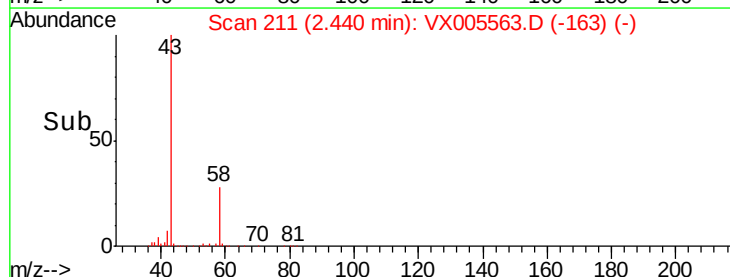
15000

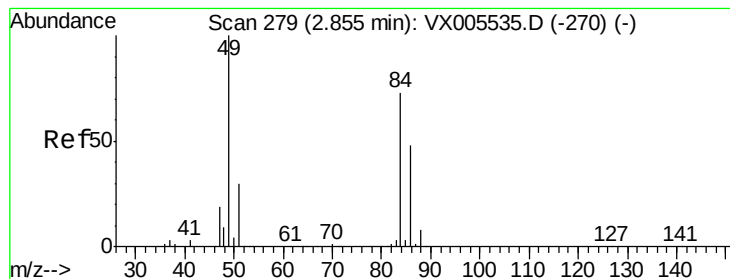
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#20

Methylene Chloride

Concen: 12.436 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005563.D

Acq: 25 Oct 2018 01:51

Instrument :

MSVOA\_X

ClientSampleId :

CL-01-102318-C

Tot Ion: 84 Resp: 27219

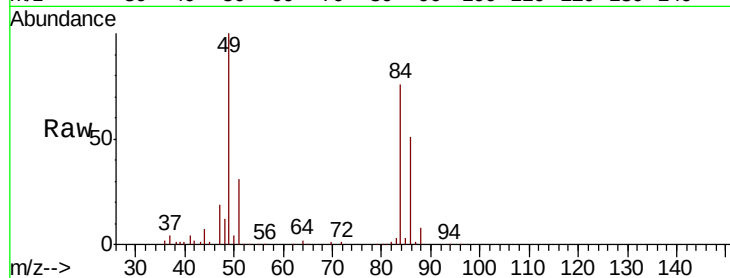
Ion Ratio Lower Upper

84 100

49 132.0 101.2 151.8

51 41.2 29.5 44.3

86 67.1 52.3 78.5

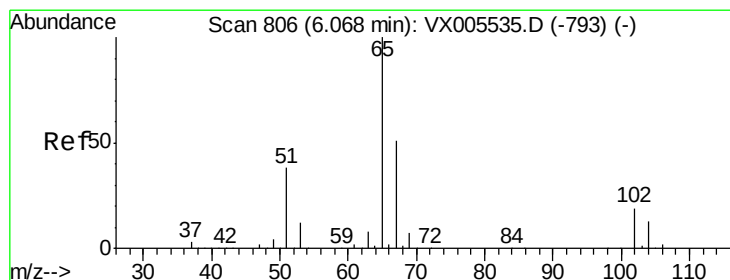
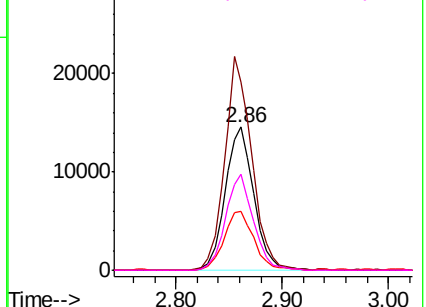
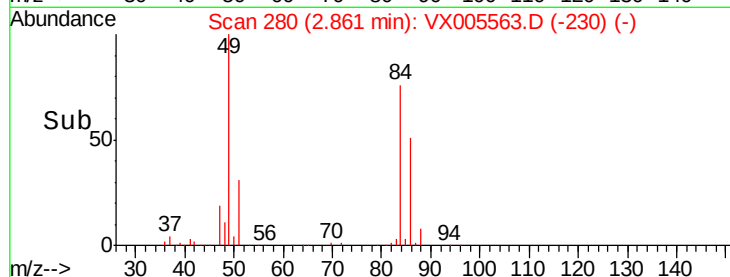


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.701 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005563.D

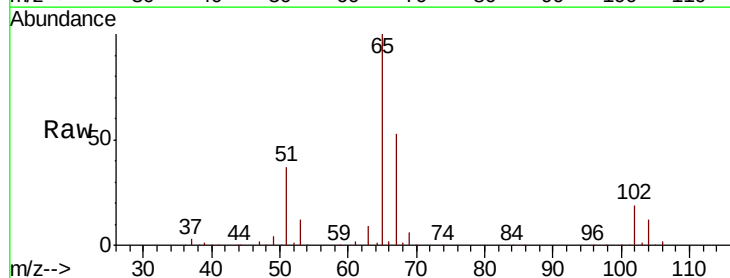
Acq: 25 Oct 2018 01:51

Tgt Ion: 65 Resp: 130337

Ion Ratio Lower Upper

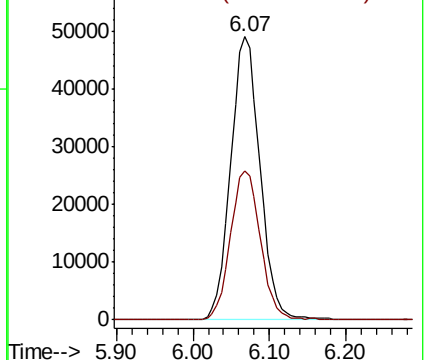
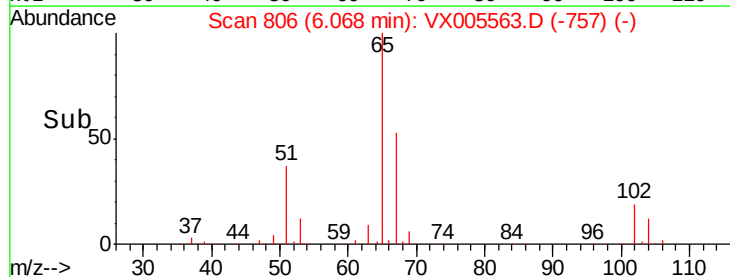
65 100

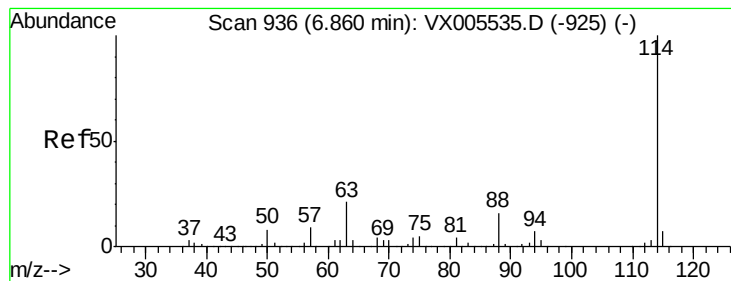
67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005563.D

Acq: 25 Oct 2018 01:51

Instrument :

MSVOA\_X

ClientSampleId :

CL-01-102318-C

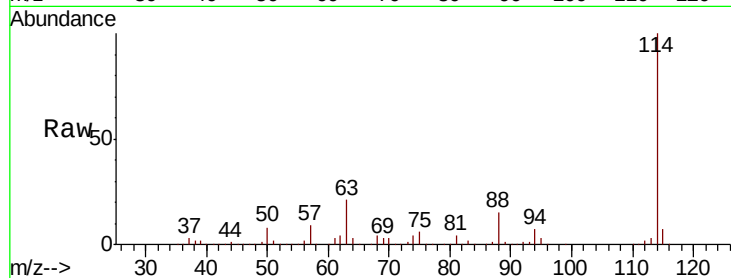
Tot Ion:114 Resp: 310253

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

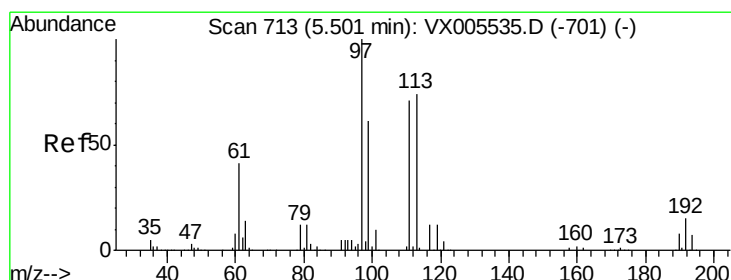
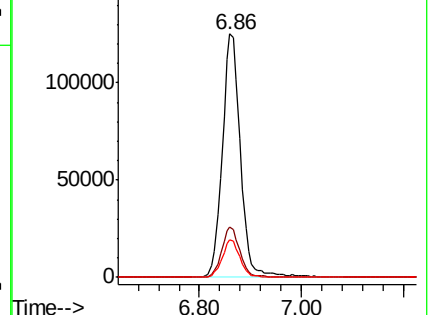
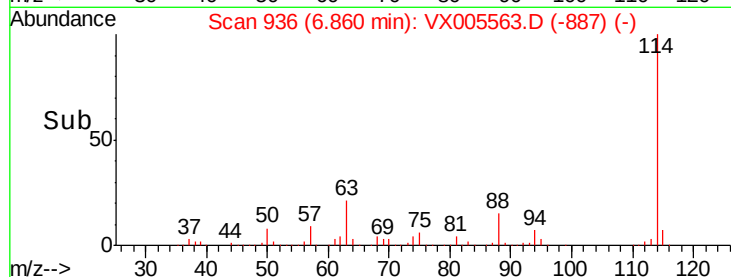
88 15.3 0.0 30.4



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: 48.172 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005563.D

Acq: 25 Oct 2018 01:51

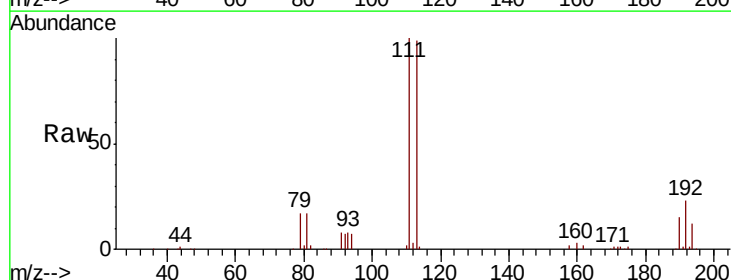
Tgt Ion:113 Resp: 101198

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

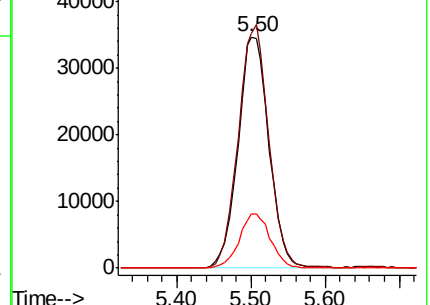
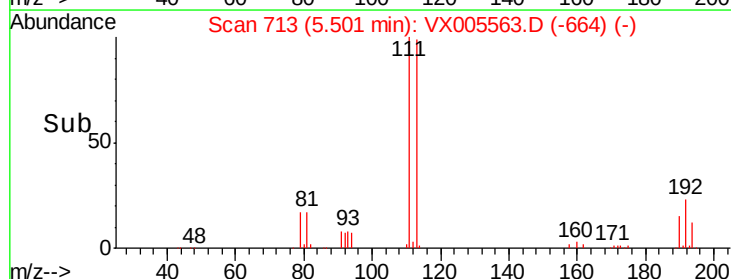
192 23.4 19.4 29.2

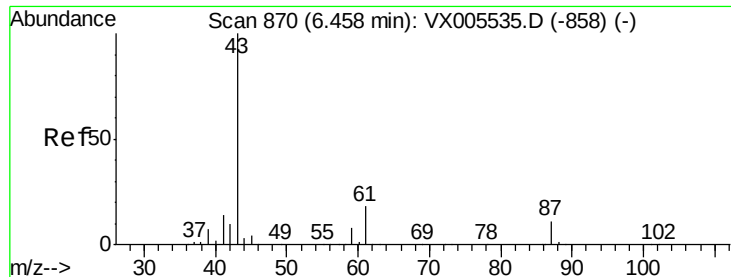


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



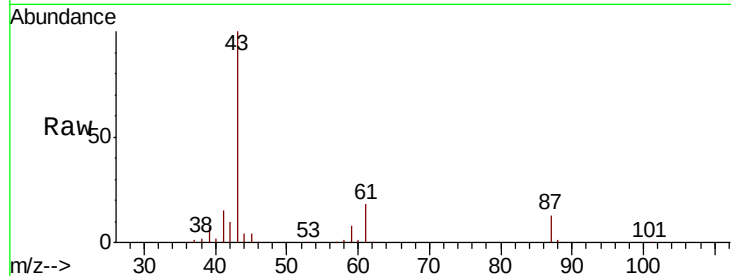


#43

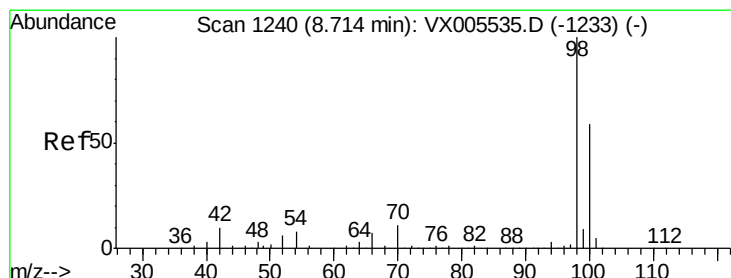
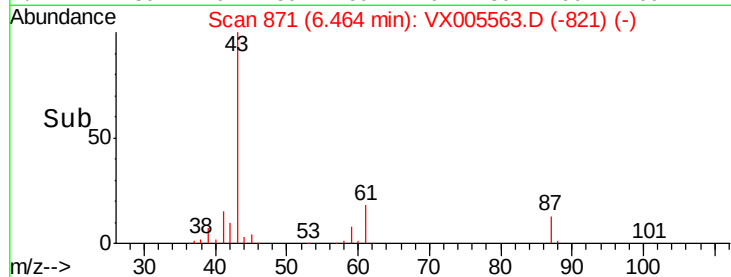
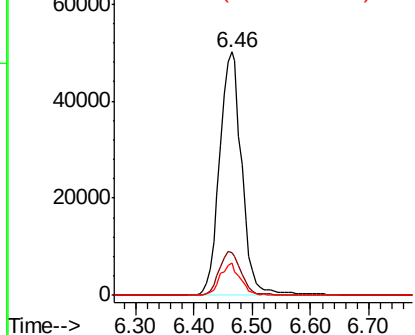
Isopropyl Acetate  
 Concen: 23.124 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. 0.01 min  
 Lab File: VX005563.D  
 Acq: 25 Oct 2018 01:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-102318-C

Tot Ion: 43 Resp: 133136  
 Ion Ratio Lower Upper  
 43 100  
 61 17.8 17.0 25.4  
 87 11.7 11.4 17.2



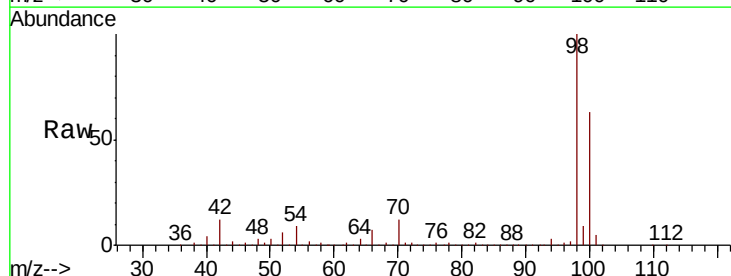
Abundance Ion 43.00 (42.70 to 43.70): VX0  
 Ion 61.00 (60.70 to 61.70): VX0  
 Ion 87.00 (86.70 to 87.70): VX0



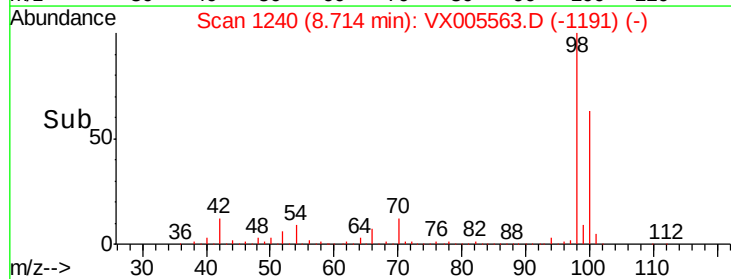
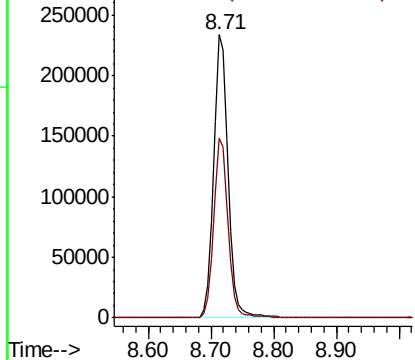
#50

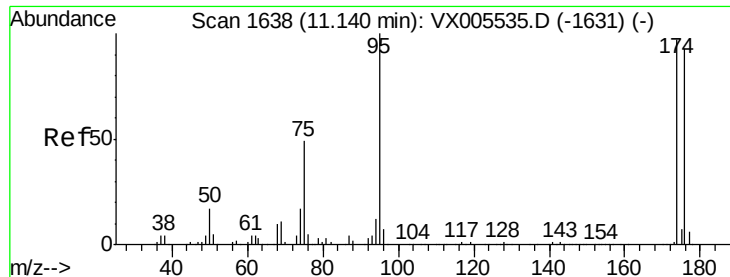
Toluene-d8  
 Concen: 49.488 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VX005563.D  
 Acq: 25 Oct 2018 01:51

Tgt Ion: 98 Resp: 373558  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V

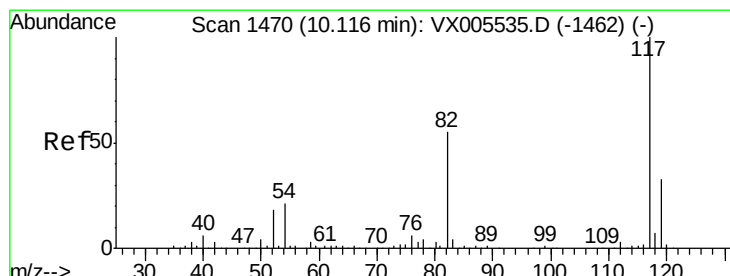
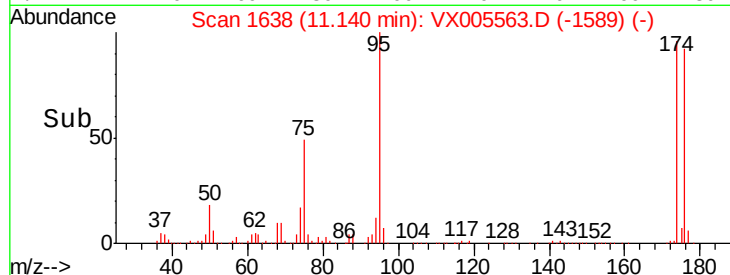
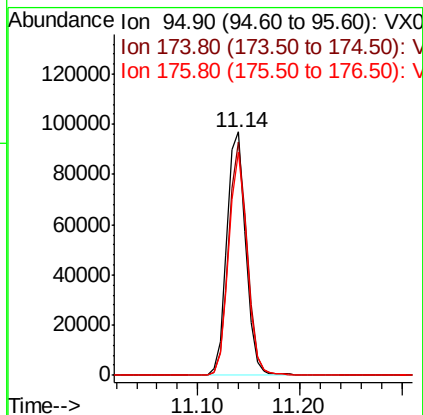
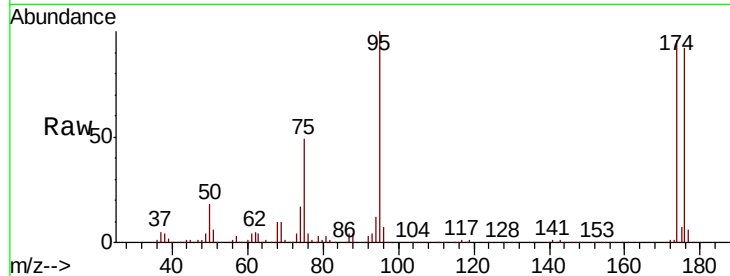




#62  
4-Bromofluorobenzene  
Concen: 43.592 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005563.D  
Acq: 25 Oct 2018 01:51

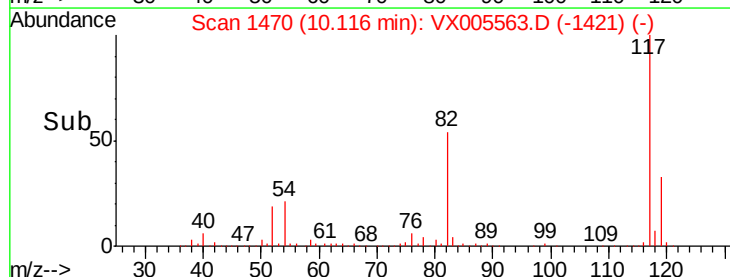
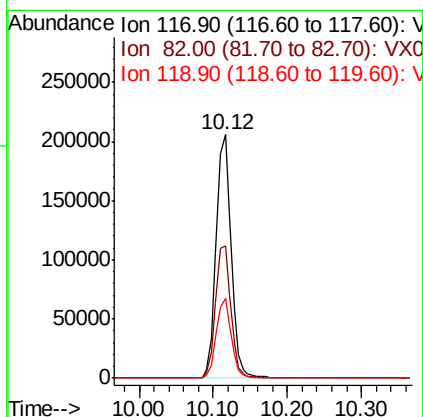
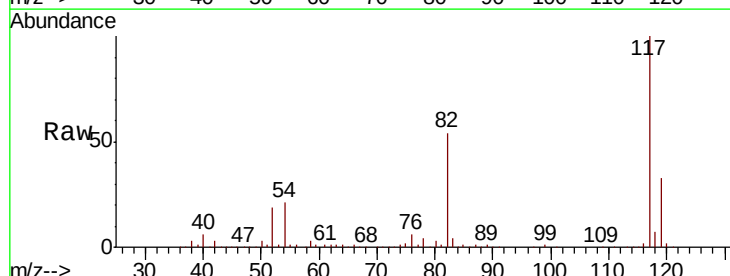
Instrument :  
MSVOA\_X  
ClientSampleId :  
CL-01-102318-C

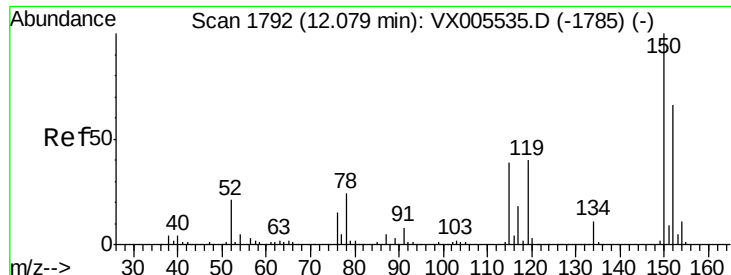
Tot Ion: 95 Resp: 124267  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 185.2  
176 89.4 0.0 178.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005563.D  
Acq: 25 Oct 2018 01:51

Tgt Ion: 117 Resp: 284588  
Ion Ratio Lower Upper  
117 100  
82 54.2 47.8 71.6  
119 32.8 29.3 43.9

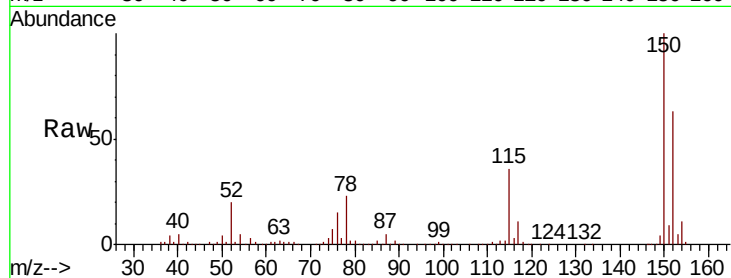




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX005563.D  
 Acq: 25 Oct 2018 01:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-01-102318-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.5  | 39.0  | 117.0 |
| 150     | 155.2 | 0.0   | 351.0 |



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

