

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX090820\  
 Data File : VX018275.D  
 Acq On : 08 Sep 2020 15:12  
 Operator : JC/SP  
 Sample : L3902-21  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ142I-20200902

Quant Time: Sep 09 08:01:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

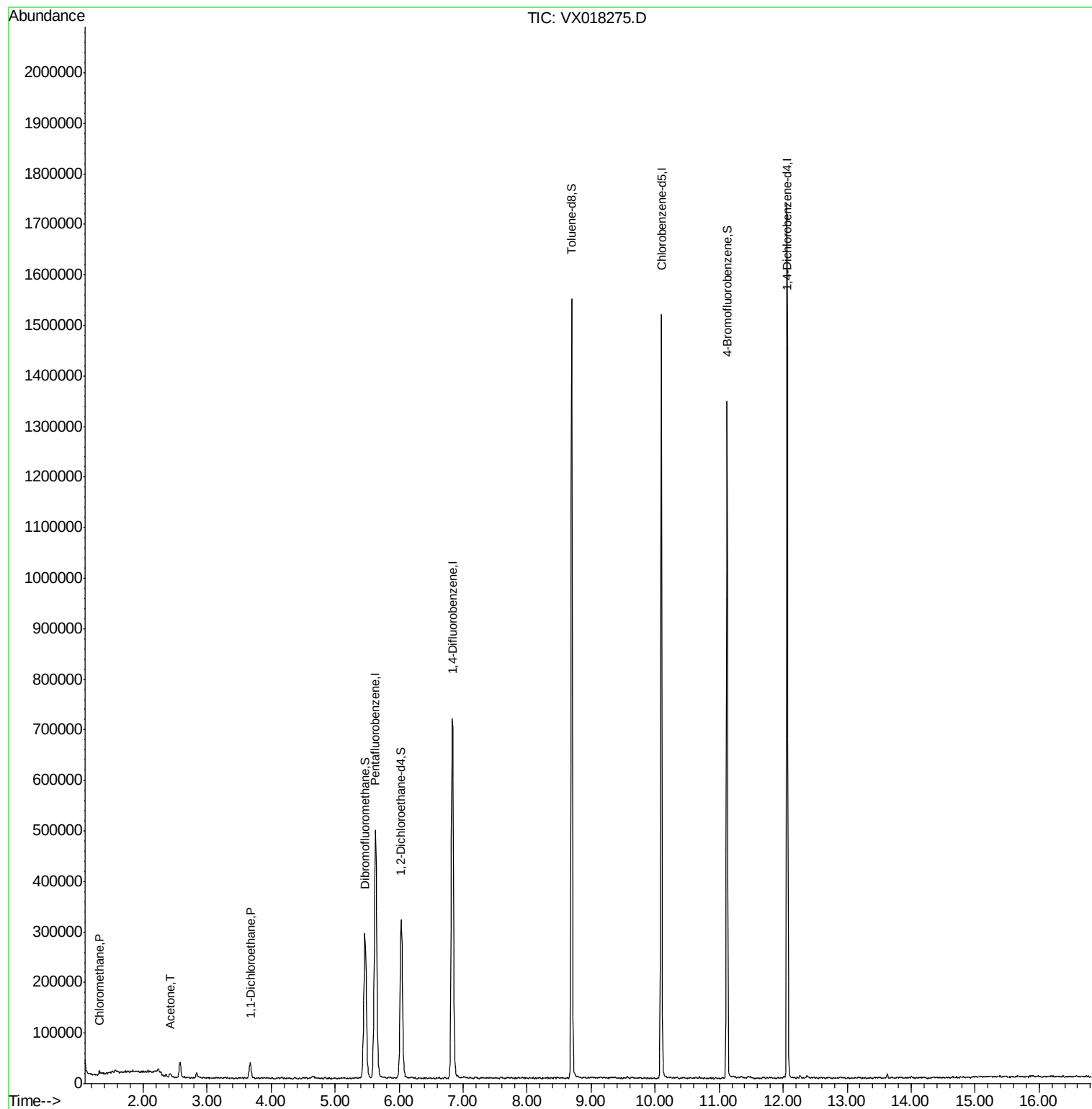
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 450283   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 712953   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 679806   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 350518   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 316960   | 50.70 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.40% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 246763   | 50.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.64% |          |
| 50) Toluene-d8              | 8.70  | 98   | 882725   | 48.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.62%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 329314   | 46.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.56%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 1.31  | 50   | 4537     | 0.785 | ug/l    | 90       |
| 16) Acetone                 | 2.42  | 43   | 8689     | 3.567 | ug/l #  | 78       |
| 24) 1,1-Dichloroethane      | 3.68  | 63   | 34636    | 3.899 | ug/l    | 100      |

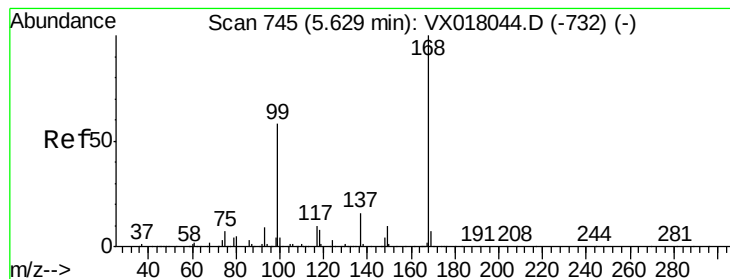
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 03:03:56 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018275.D

Acq: 08 Sep 2020 15:12

Instrument :

MSVOA\_X

ClientSampleId :

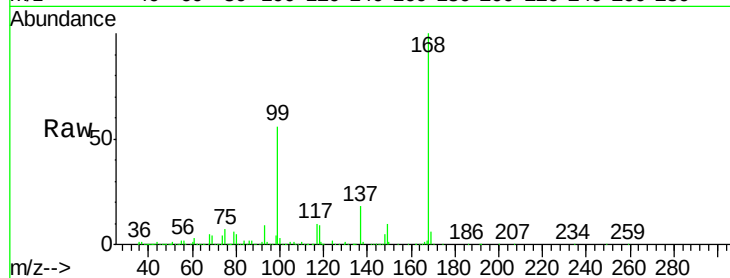
SA-PZ142I-20200902

Tgt Ion:168 Resp: 450283

Ion Ratio Lower Upper

168 100

99 56.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

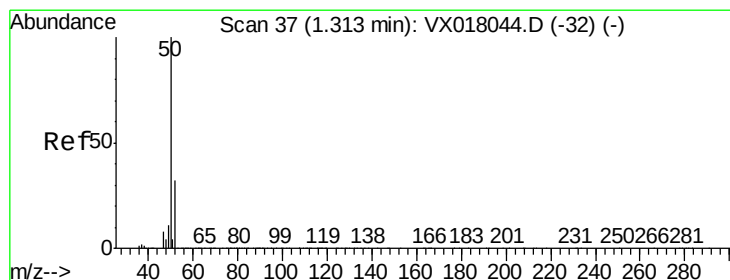
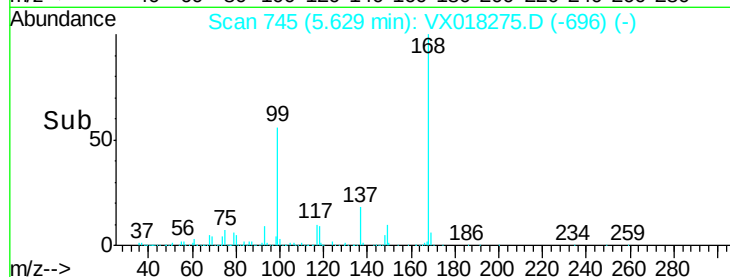
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.785 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018275.D

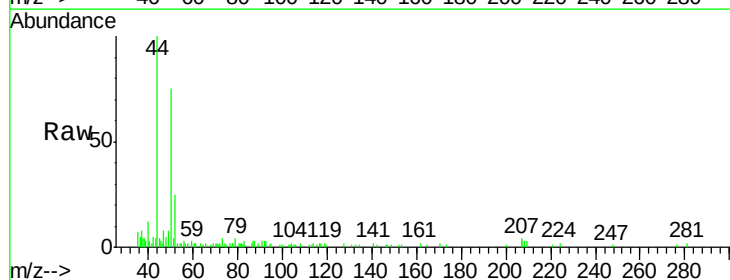
Acq: 08 Sep 2020 15:12

Tgt Ion: 50 Resp: 4537

Ion Ratio Lower Upper

50 100

52 26.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

5000

4000

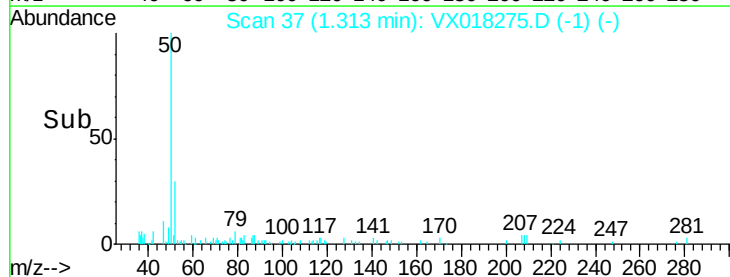
3000

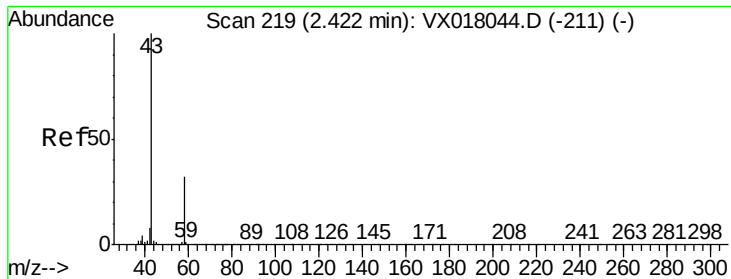
2000

1000

0

Time-->





#16

Acetone

Concen: 3.567 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018275.D

Acq: 08 Sep 2020 15:12

Instrument :

MSVOA\_X

ClientSampleId :

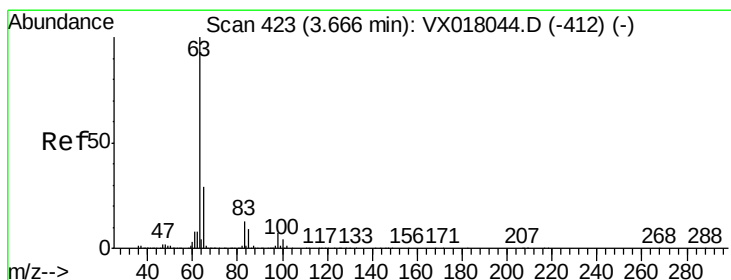
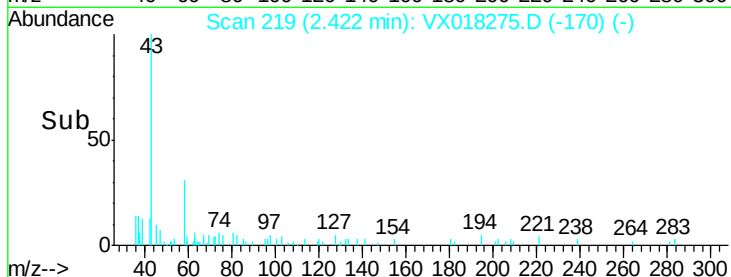
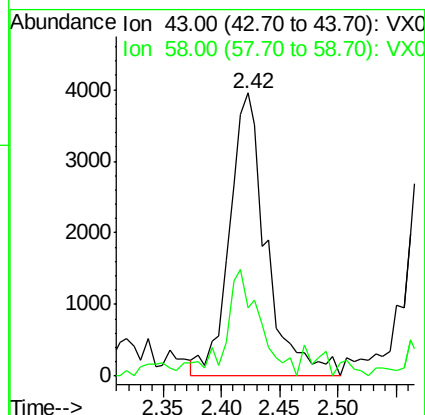
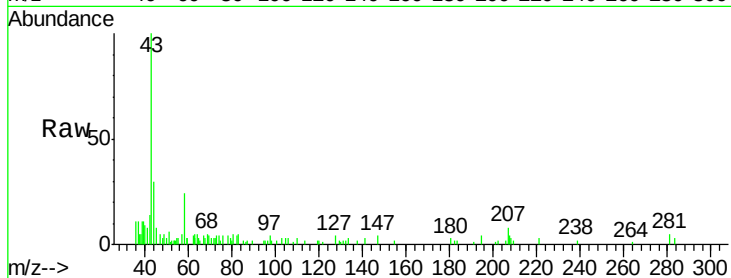
SA-PZ142I-20200902

Tgt Ion: 43 Resp: 8689

Ion Ratio Lower Upper

43 100

58 19.5 25.5 38.3#



#24

1,1-Dichloroethane

Concen: 3.899 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX018275.D

Acq: 08 Sep 2020 15:12

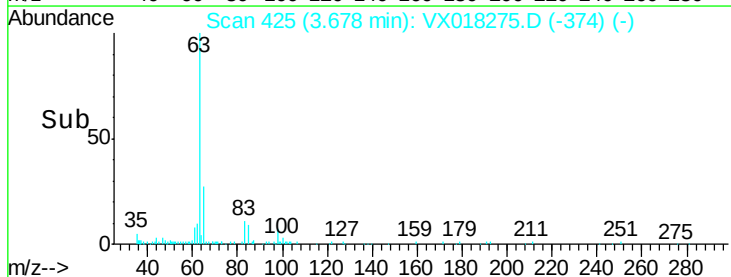
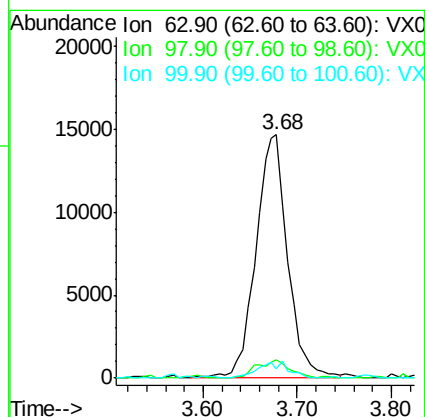
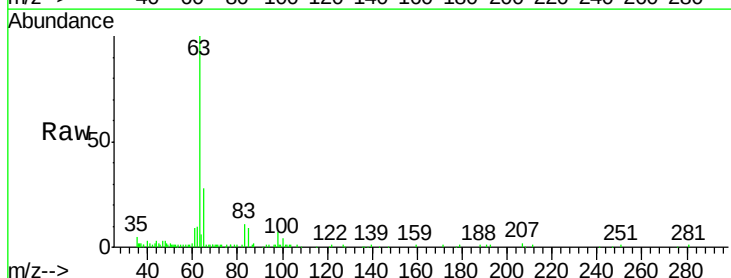
Tgt Ion: 63 Resp: 34636

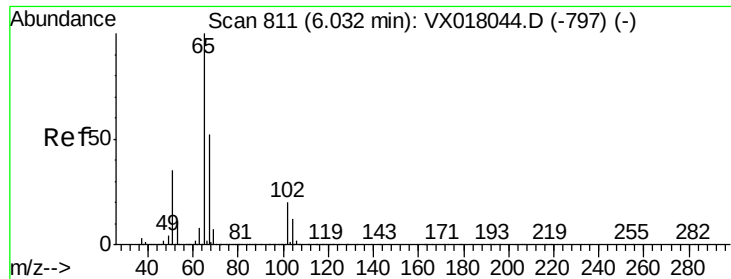
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 3.8 2.0 6.0

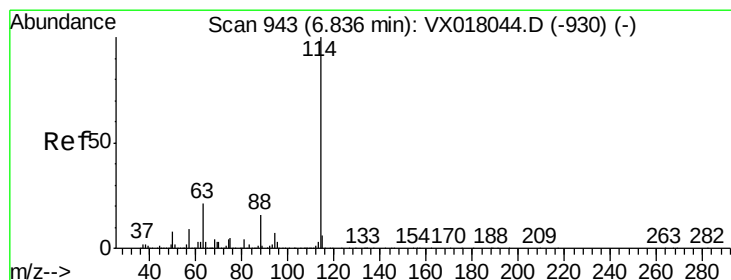
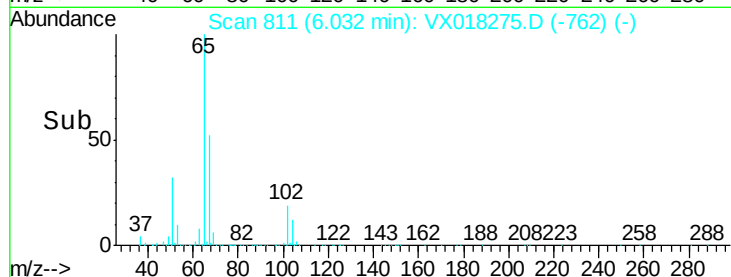
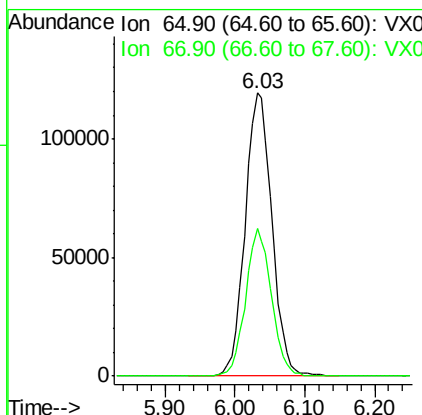
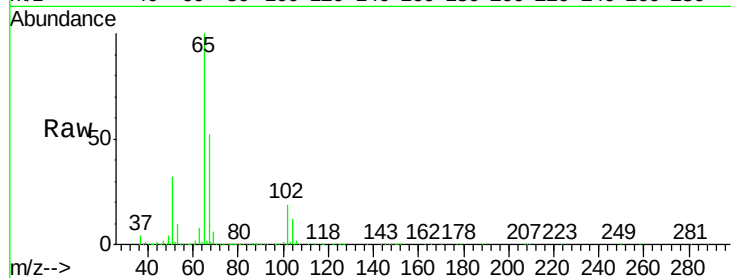




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.705 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX018275.D  
 Acq: 08 Sep 2020 15:12

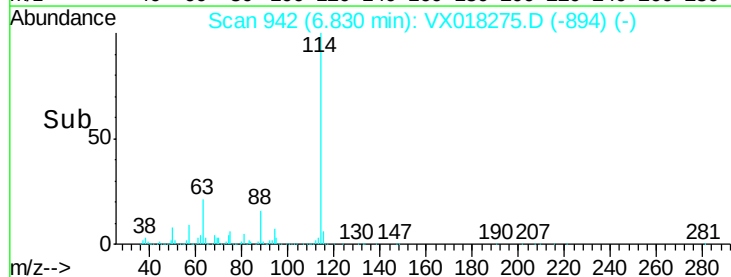
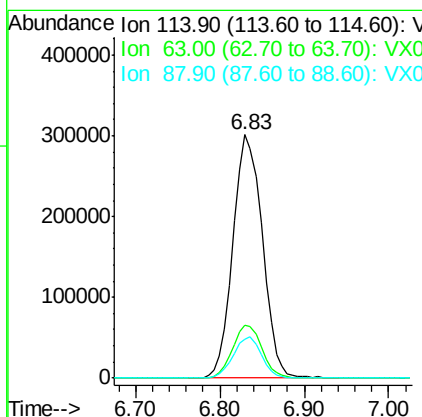
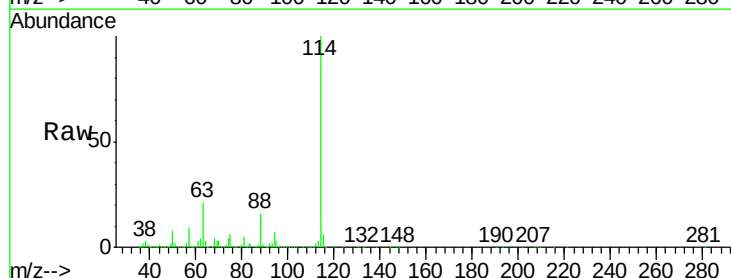
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ142I-20200902

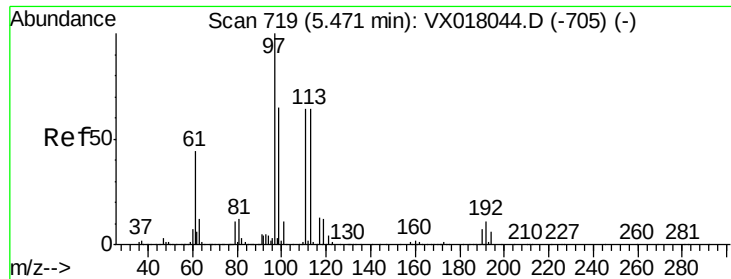
Tgt Ion: 65 Resp: 316960  
 Ion Ratio Lower Upper  
 65 100  
 67 50.0 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. -0.01 min  
 Lab File: VX018275.D  
 Acq: 08 Sep 2020 15:12

Tgt Ion: 114 Resp: 712953  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 42.6  
 88 15.7 0.0 31.8

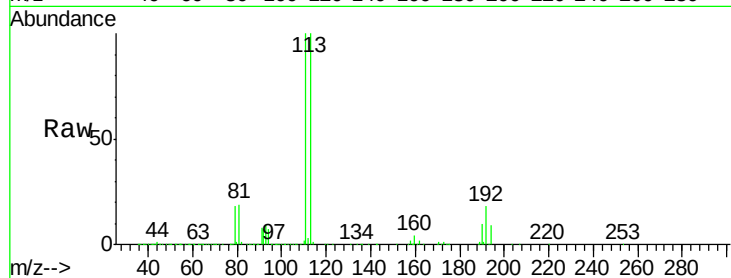




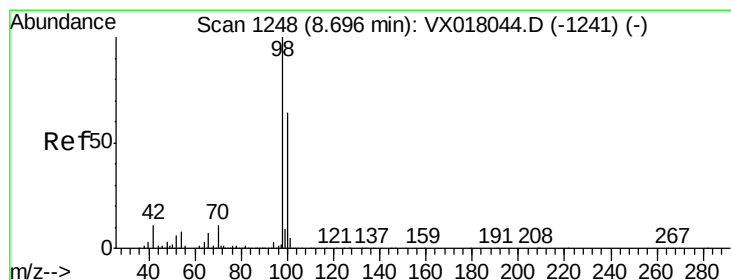
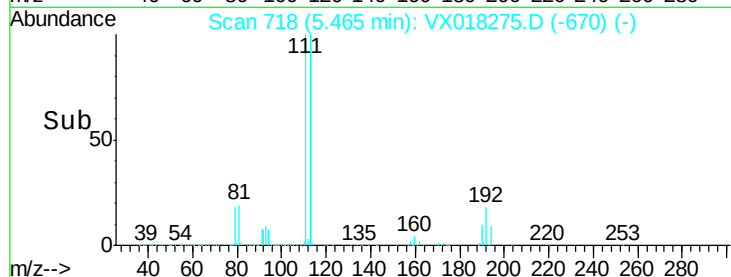
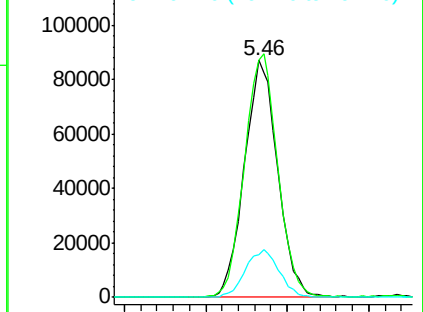
#35  
 Dibromofluoromethane  
 Concen: 50.821 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX018275.D  
 Acq: 08 Sep 2020 15:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ142I-20200902

Tgt Ion: 113 Resp: 246763  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 81.6 122.4  
 192 20.4 15.8 23.8

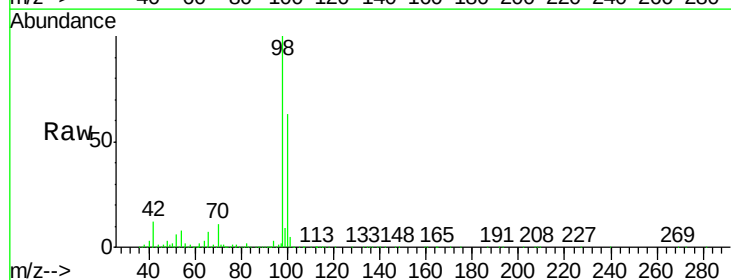


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

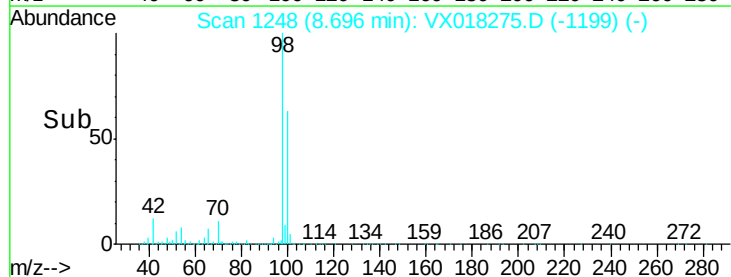
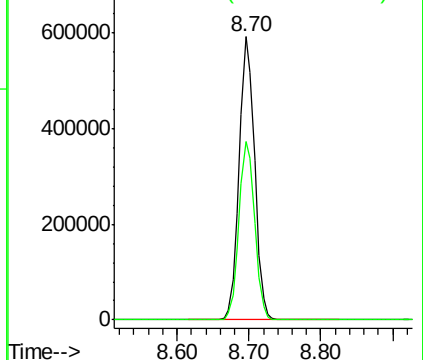


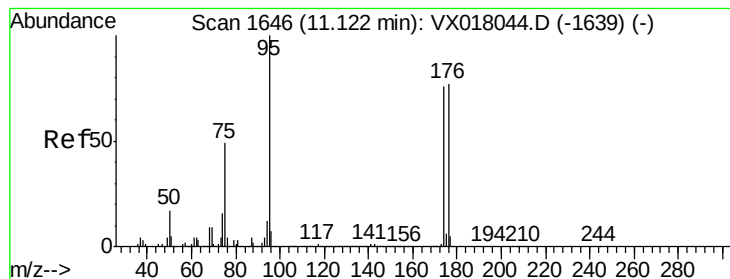
#50  
 Toluene-d8  
 Concen: 48.810 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX018275.D  
 Acq: 08 Sep 2020 15:12

Tgt Ion: 98 Resp: 882725  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 52.2 78.4



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





#62

4-Bromofluorobenzene

Concen: 46.283 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018275.D

Acq: 08 Sep 2020 15:12

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ142I-20200902

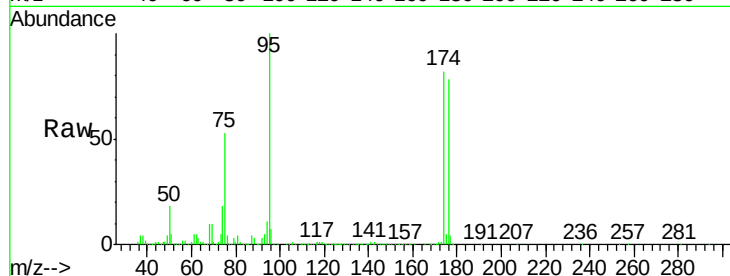
Tgt Ion: 95 Resp: 329314

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.2

176 75.8 0.0 155.8

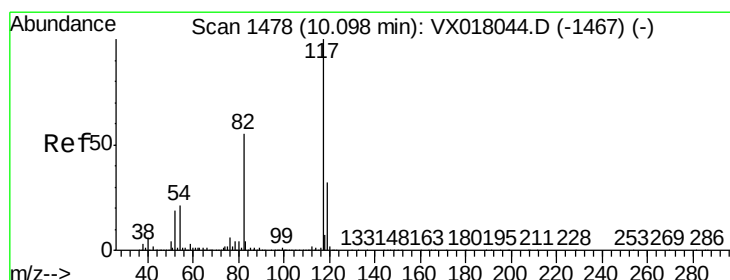
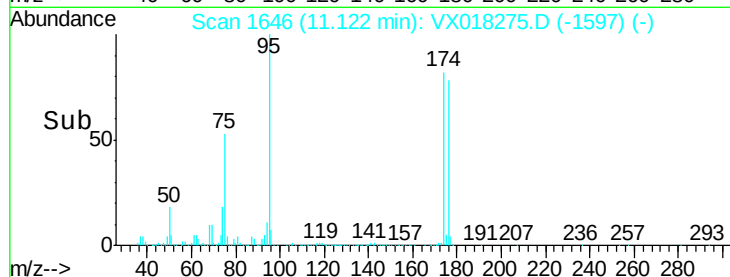


Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018275.D

Acq: 08 Sep 2020 15:12

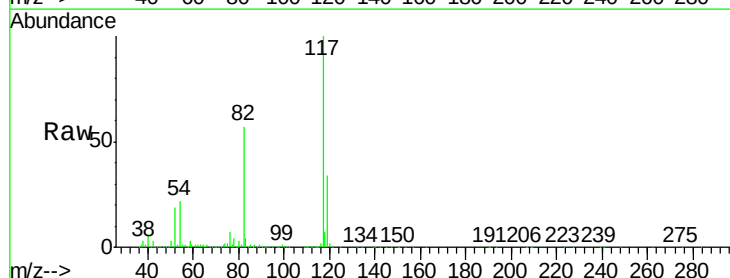
Tgt Ion: 117 Resp: 679806

Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.2

119 34.1 25.7 38.5

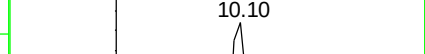
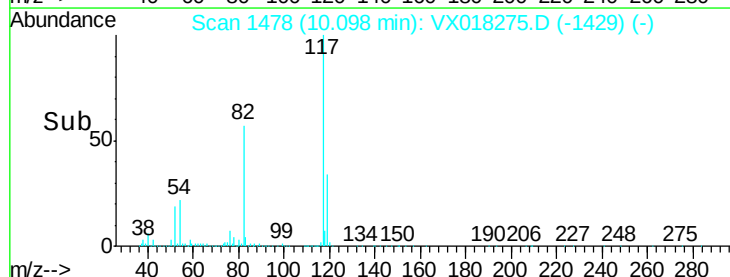


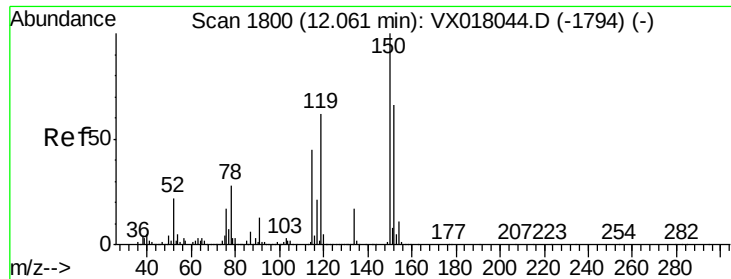
Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)

Time-->





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.06 min Scan# 1800  
 Delta R.T. -0.00 min  
 Lab File: VX018275.D  
 Acq: 08 Sep 2020 15:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ142I-20200902

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 41.5  | 124.5 |
| 150     | 151.8 | 0.0   | 343.8 |

