

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\  
 Data File : VX015572.D  
 Acq On : 08 Apr 2020 16:24  
 Operator : JC/SP  
 Sample : L2190-13  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW158-200407

Quant Time: Apr 09 07:41:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

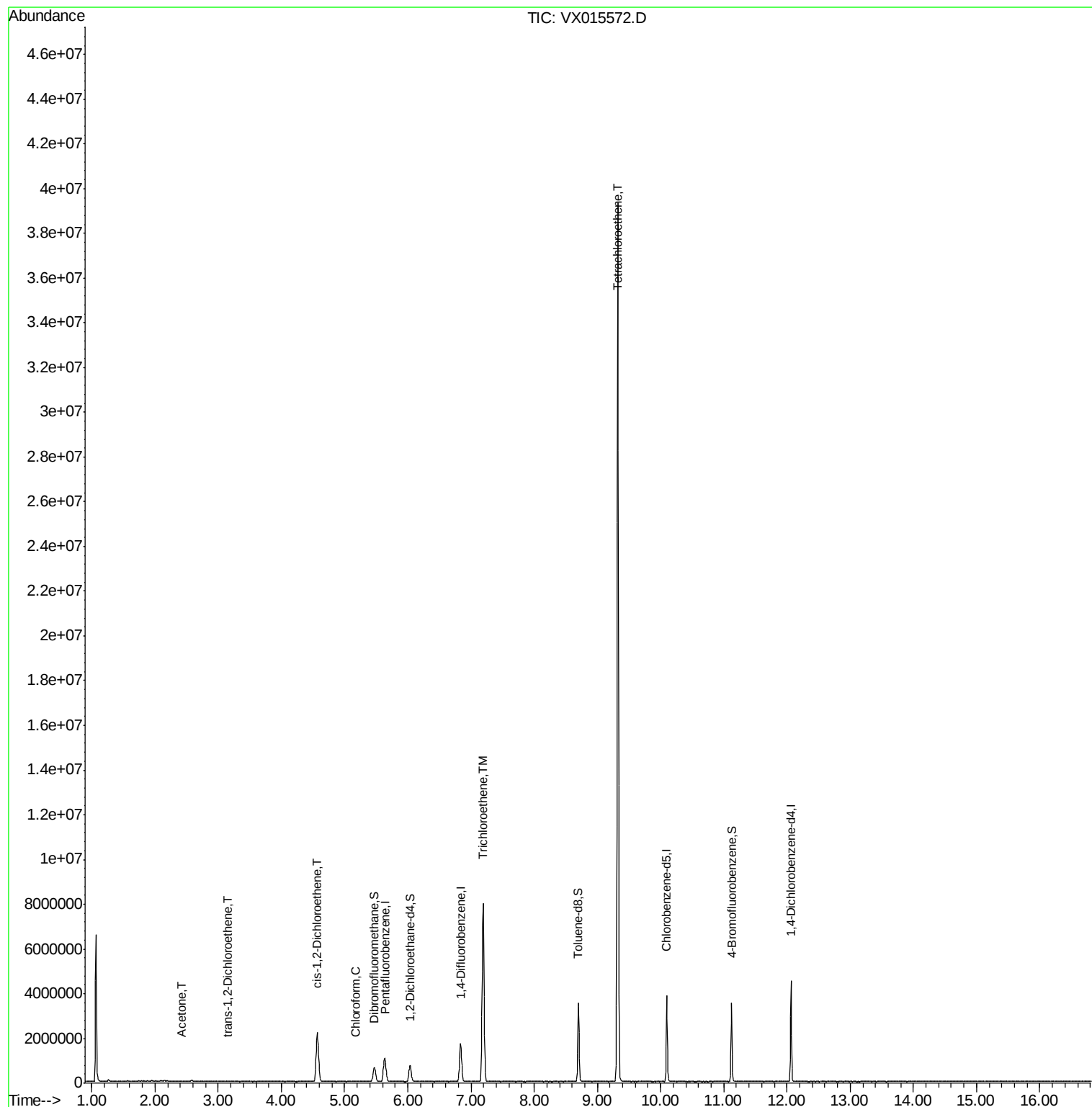
| Internal Standards           | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene        | 5.64  | 168  | 1085660  | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.84  | 114  | 1690859  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.10 | 117  | 1647344  | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.06 | 152  | 919830   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4    | 6.03  | 65   | 704759   | 46.03   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 92.06%  |          |
| 35) Dibromofluoromethane     | 5.47  | 113  | 537493   | 49.73   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 99.46%  |          |
| 50) Toluene-d8               | 8.70  | 98   | 2061255  | 51.80   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 103.60% |          |
| 62) 4-Bromofluorobenzene     | 11.12 | 95   | 900559   | 55.69   | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =       | 111.38% |          |
| Target Compounds             |       |      |          |         |         |          |
| 16) Acetone                  | 2.42  | 43   | 11386    | 1.731   | ug/l    | 94       |
| 21) trans-1,2-Dichloroethene | 3.15  | 96   | 9877     | 0.868   | ug/l    | 95       |
| 27) cis-1,2-Dichloroethene   | 4.57  | 96   | 1344636  | 102.171 | ug/l    | 91       |
| 30) Chloroform               | 5.19  | 83   | 22542    | 1.049   | ug/l    | 99       |
| 44) Trichloroethene          | 7.19  | 130  | 3051704  | 245.192 | ug/l    | 95       |
| 64) Tetrachloroethene        | 9.32  | 164  | 7949998  | 639.474 | ug/l    | 98       |

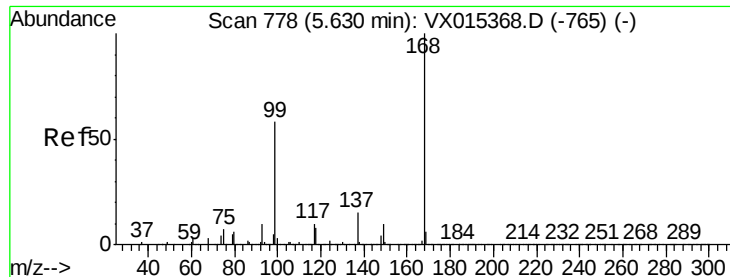
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040820\  
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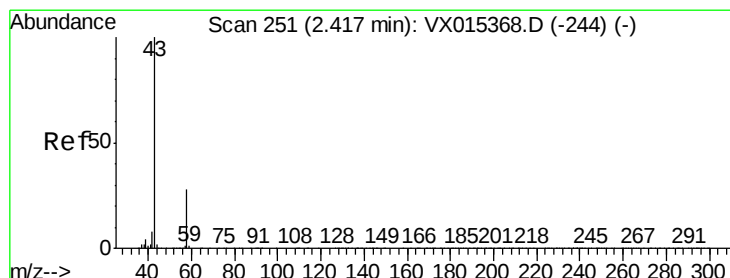
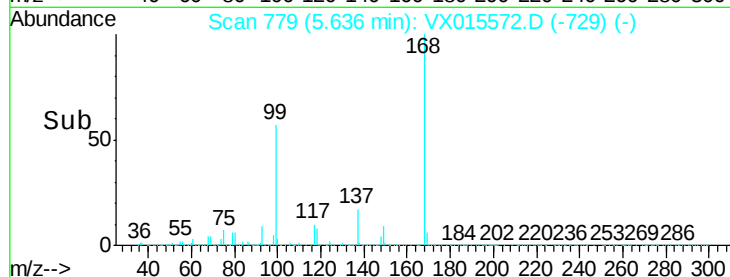
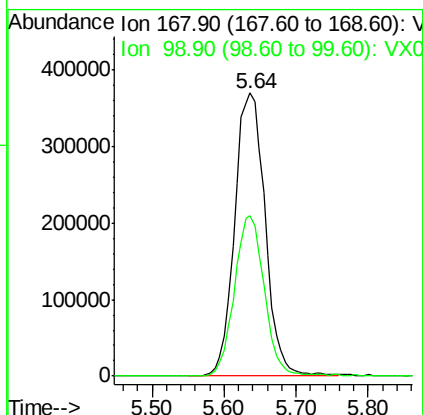
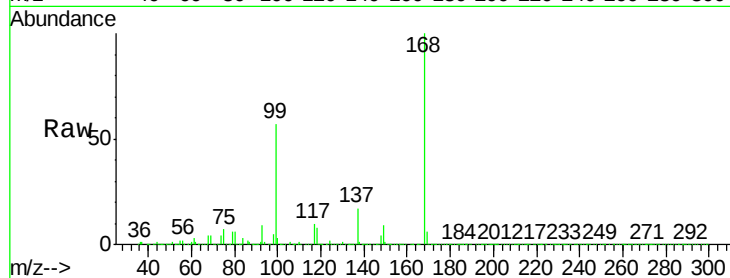


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.64 min Scan# 779  
 Delta R.T. 0.01 min  
 Lab File: VX015572.D  
 Acq: 08 Apr 2020 16:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW158-200407

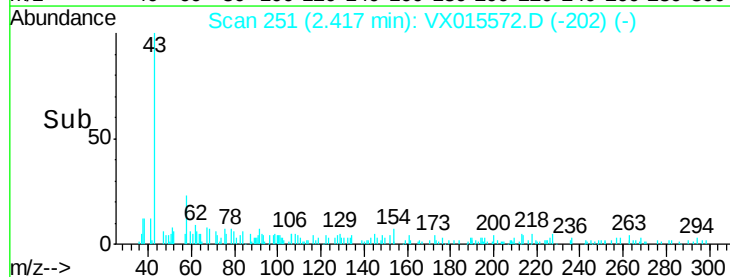
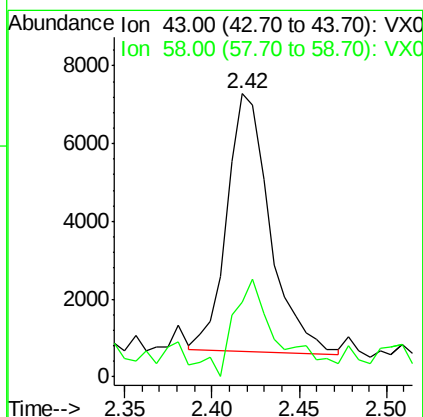
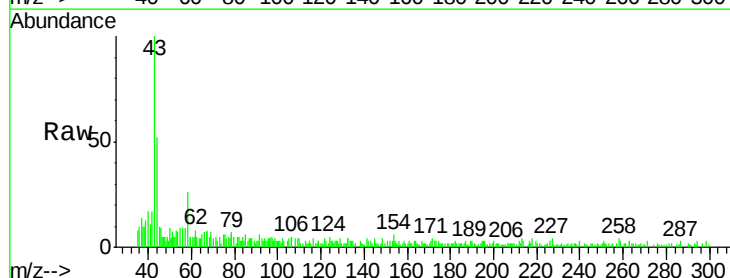
Tot Ion:168 Resp: 1085660  
 Ion Ratio Lower Upper  
 168 100  
 99 56.4 46.4 69.6

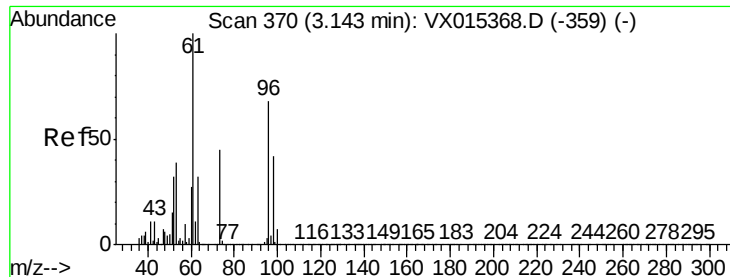


#16

Acetone  
 Concen: 1.731 ug/l  
 RT: 2.42 min Scan# 251  
 Delta R.T. -0.00 min  
 Lab File: VX015572.D  
 Acq: 08 Apr 2020 16:24

Tgt Ion: 43 Resp: 11386  
 Ion Ratio Lower Upper  
 43 100  
 58 24.6 22.1 33.1





#21

trans-1,2-Dichloroethene

Concen: 0.868 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015572.D

Acq: 08 Apr 2020 16:24

Instrument :

MSVOA\_X

ClientSampleId :

STOO8MW158-200407

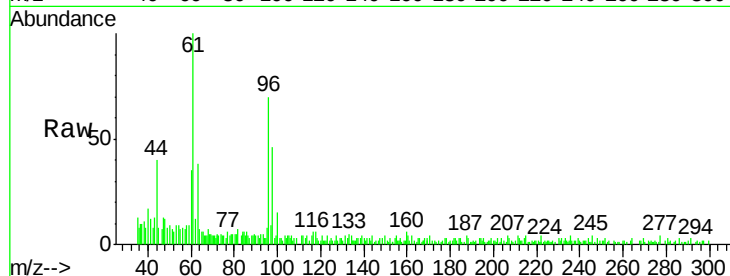
Tot Ion: 96 Resp: 9877

Ion Ratio Lower Upper

96 100

61 149.7 116.9 175.3

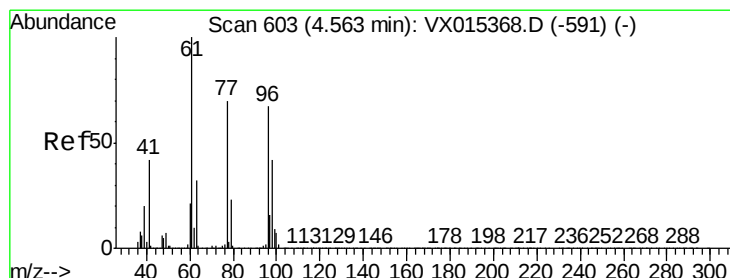
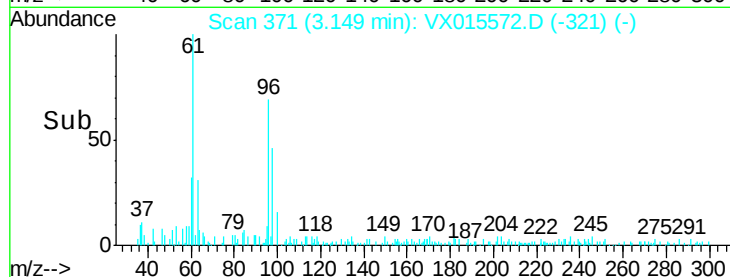
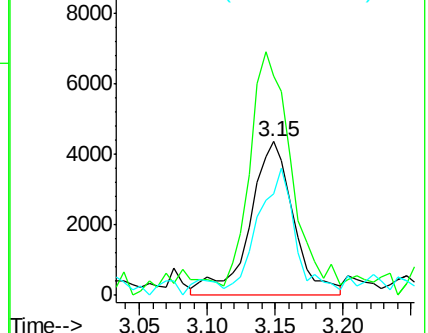
98 69.1 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 102.171 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015572.D

Acq: 08 Apr 2020 16:24

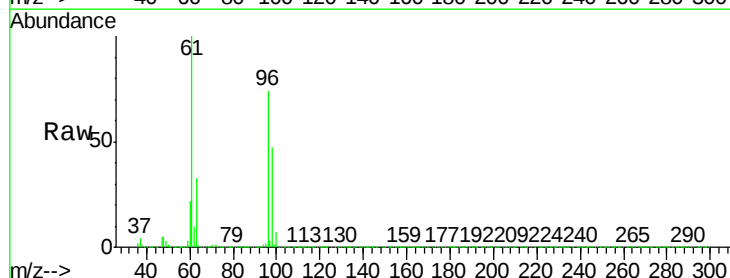
Tgt Ion: 96 Resp: 1344636

Ion Ratio Lower Upper

96 100

61 137.6 0.0 308.4

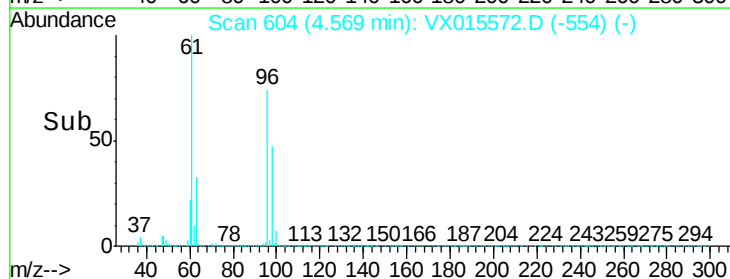
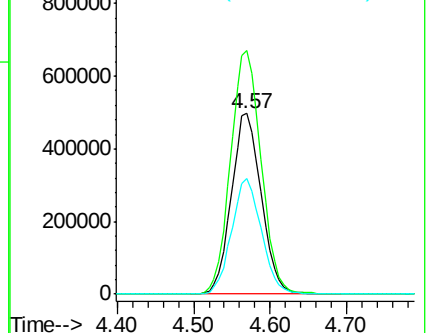
98 63.6 0.0 129.2

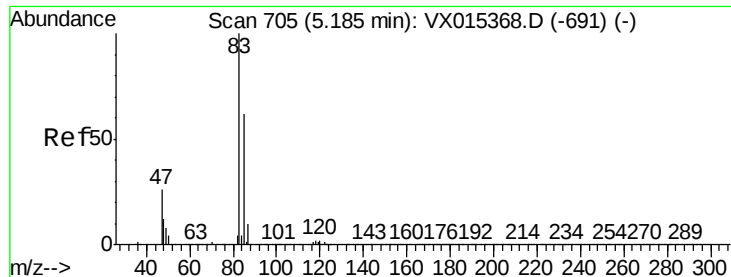


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

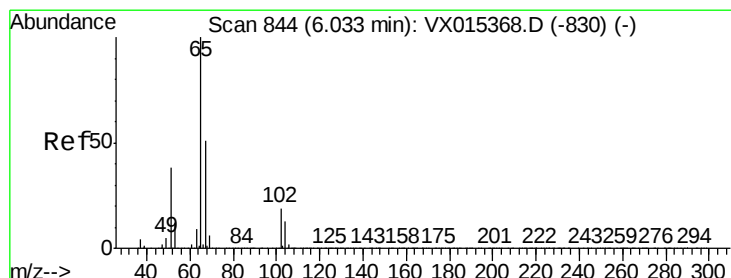
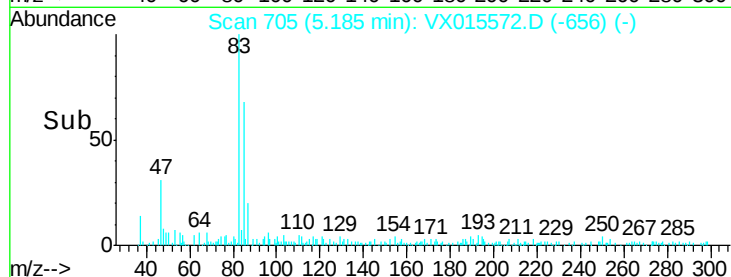
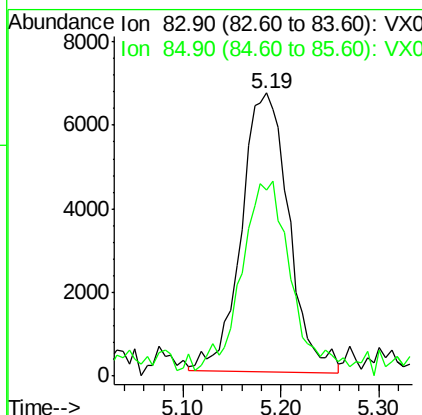
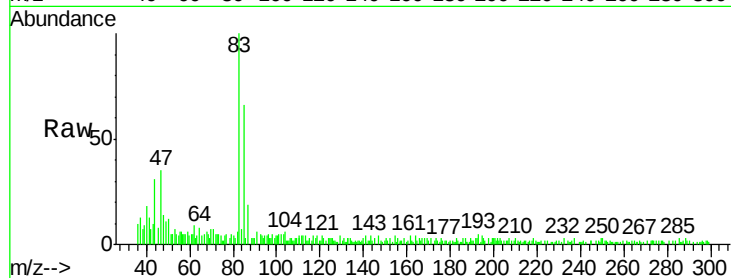




#30  
Chloroform  
Concen: 1.049 ug/l  
RT: 5.19 min Scan# 705  
Delta R.T. -0.00 min  
Lab File: VX015572.D  
Acq: 08 Apr 2020 16:24

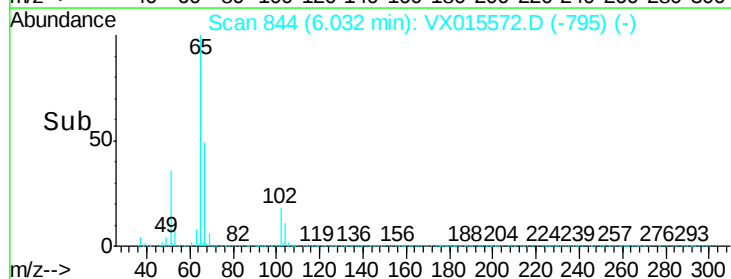
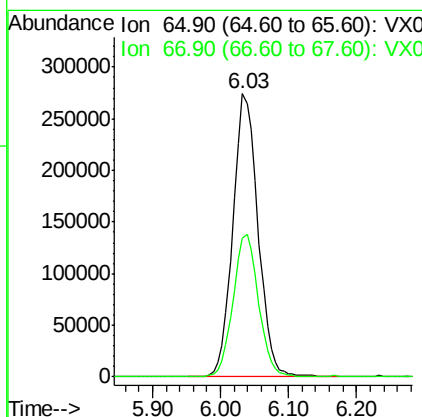
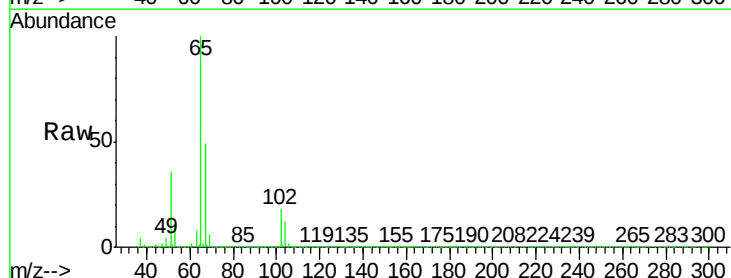
Instrument :  
MSVOA\_X  
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STOO8MW158-200407

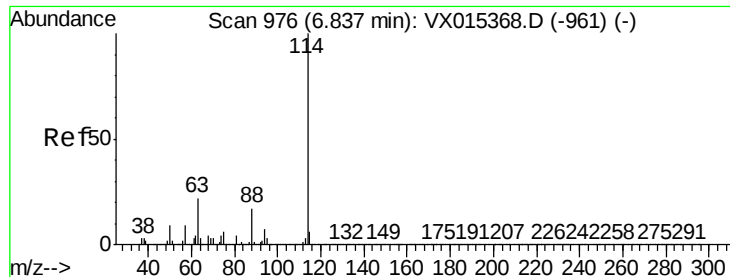
Tot Ion: 83 Resp: 22542  
Ion Ratio Lower Upper  
83 100  
85 62.9 49.5 74.3



#33  
1,2-Dichloroethane-d4  
Concen: 46.026 ug/l  
RT: 6.03 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: VX015572.D  
Acq: 08 Apr 2020 16:24

Tgt Ion: 65 Resp: 704759  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015572.D

Acq: 08 Apr 2020 16:24

Instrument :

MSVOA\_X

ClientSampleId :

STOO8MW158-200407

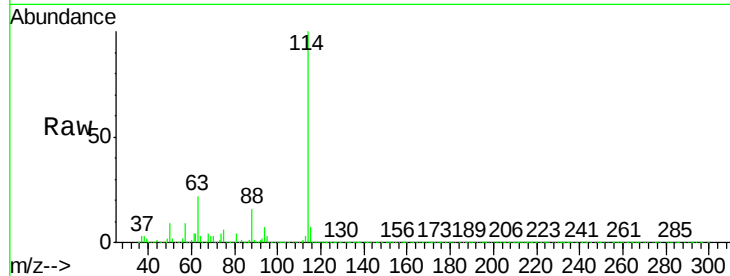
Tot Ion:114 Resp: 1690859

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

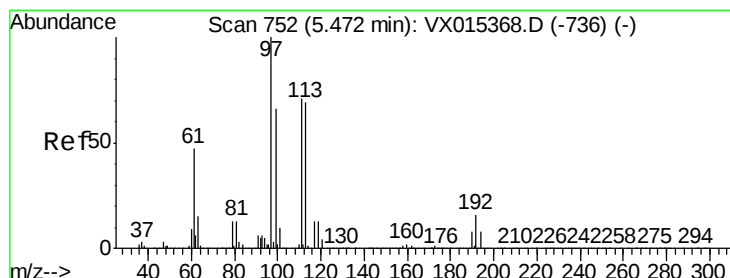
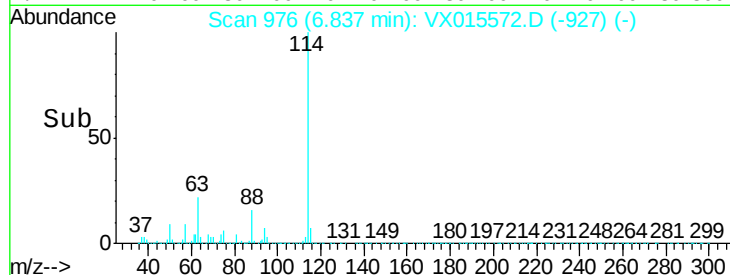
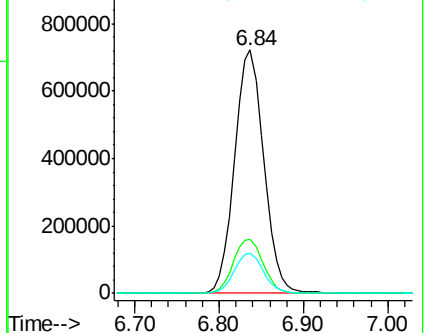
88 16.3 0.0 33.8



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: 49.729 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015572.D

Acq: 08 Apr 2020 16:24

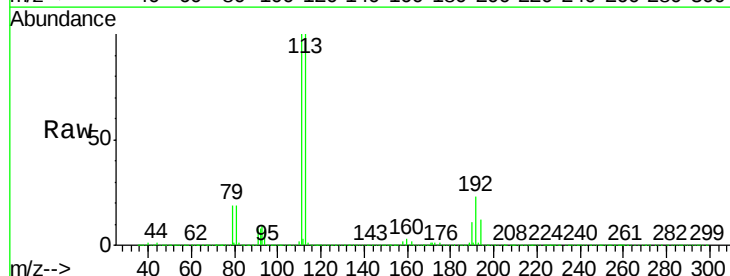
Tgt Ion:113 Resp: 537493

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

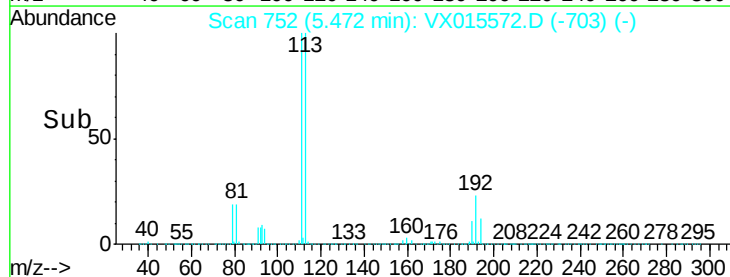
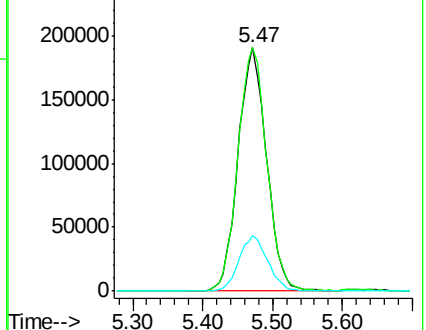
192 22.7 17.8 26.6

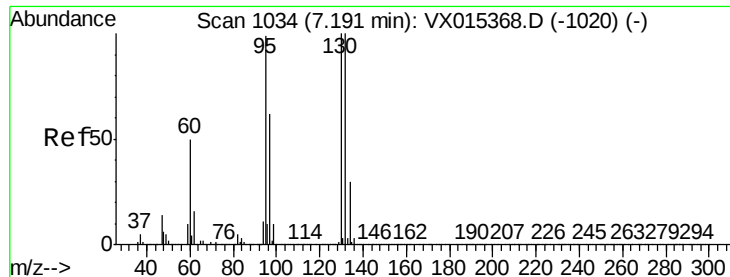


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 245.192 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015572.D

Acq: 08 Apr 2020 16:24

Instrument :

MSVOA\_X

ClientSampleId :

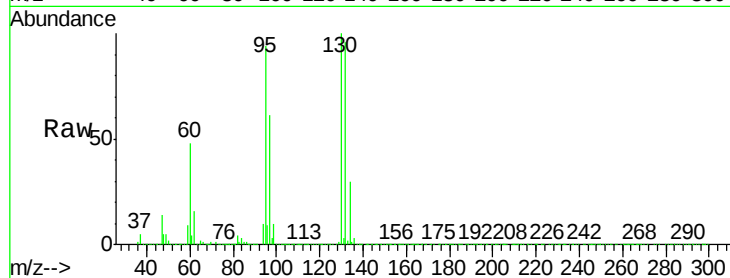
STOO8MW158-200407

Tot Ion:130 Resp: 3051704

Ion Ratio Lower Upper

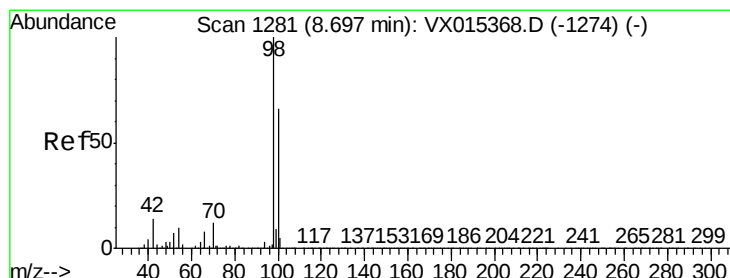
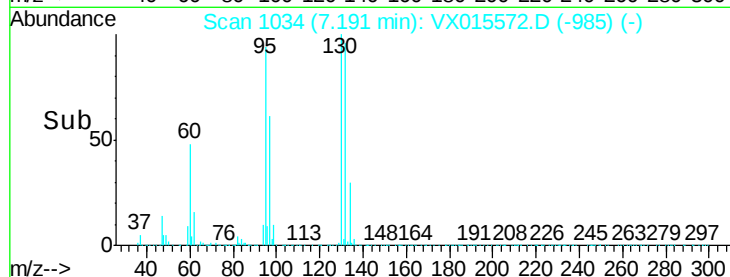
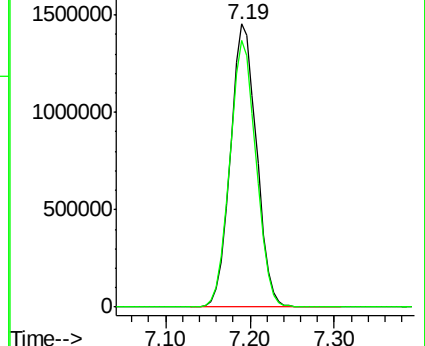
130 100

95 94.3 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.798 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015572.D

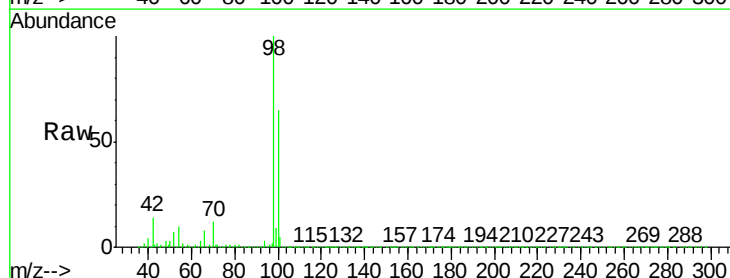
Acq: 08 Apr 2020 16:24

Tgt Ion: 98 Resp: 2061255

Ion Ratio Lower Upper

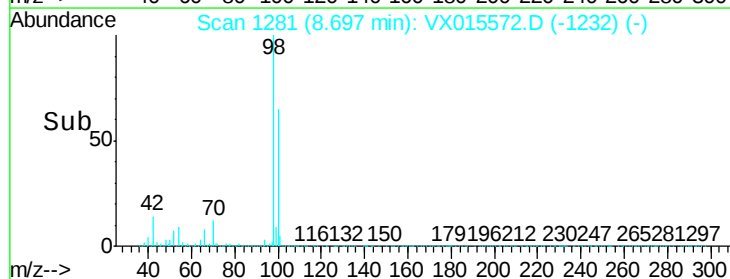
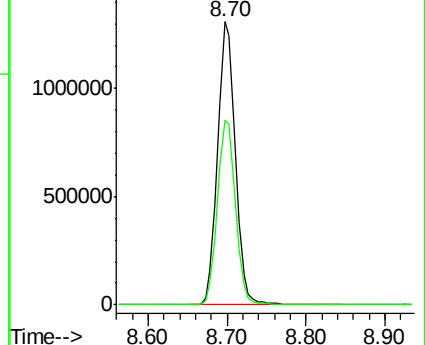
98 100

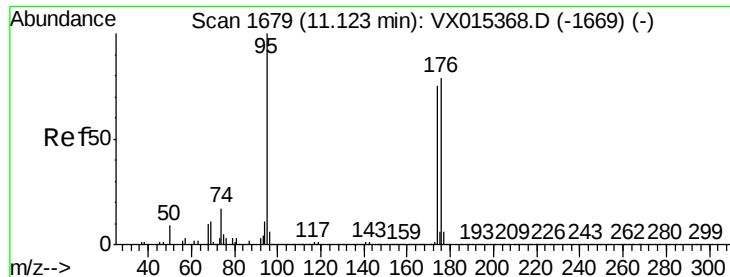
100 66.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

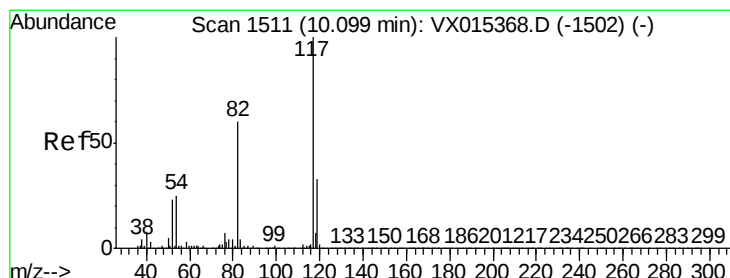
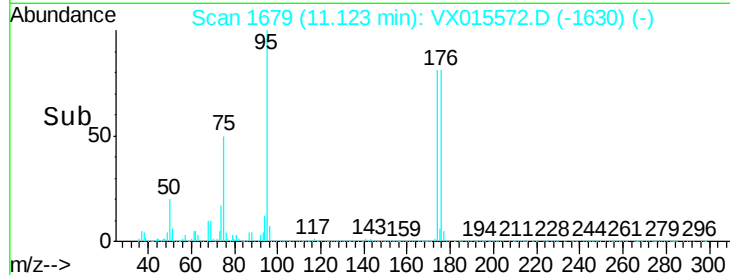
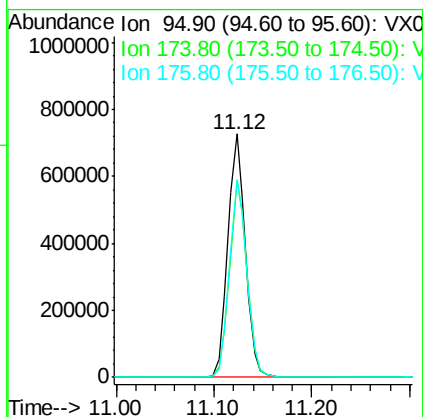
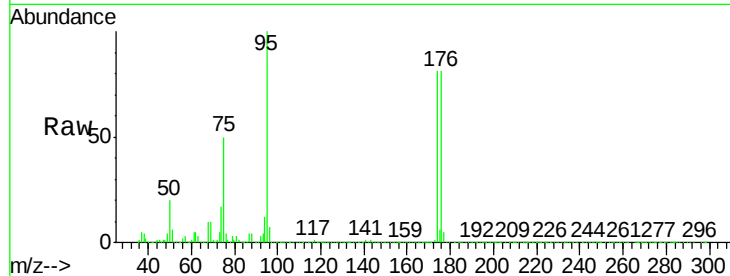




#62  
4-Bromofluorobenzene  
Concen: 55.685 ug/l  
RT: 11.12 min Scan# 1679  
Delta R.T. -0.00 min  
Lab File: VX015572.D  
Acq: 08 Apr 2020 16:24

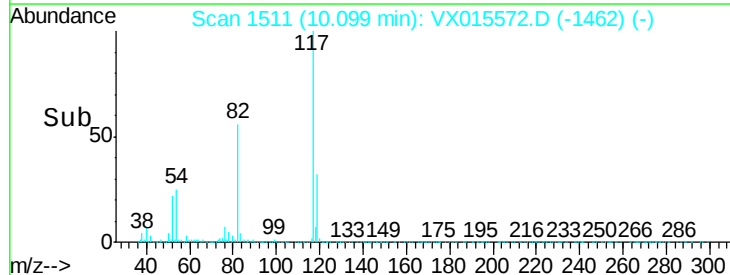
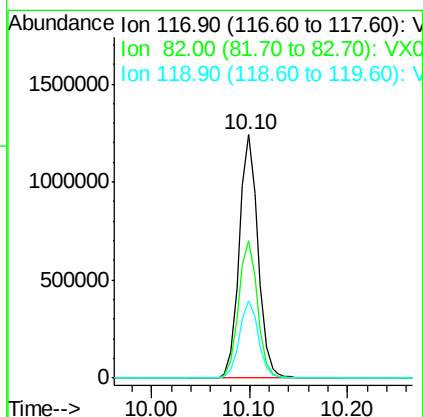
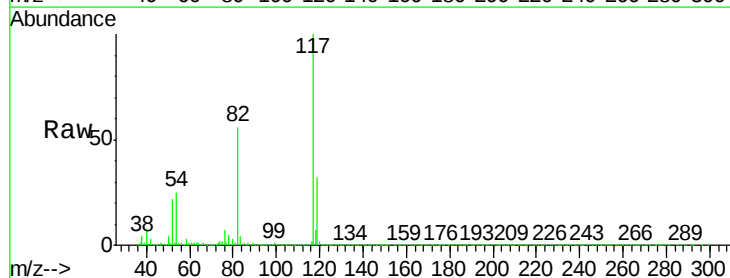
Instrument :  
MSVOA\_X  
ClientSampleId :  
STOO8MW158-200407

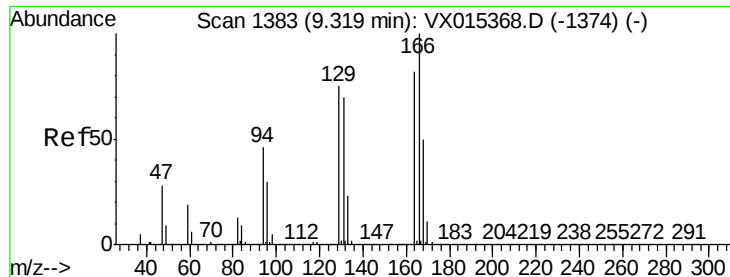
| Tot Ion   | 95   | Resp | 900559 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     |      |      |        |
| Upper     |      |      |        |
| 174       | 81.1 | 0.0  | 158.6  |
| 176       | 81.4 | 0.0  | 159.0  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. -0.00 min  
Lab File: VX015572.D  
Acq: 08 Apr 2020 16:24

| Tgt Ion                                    | 117  | Resp | 1647344 |
|--------------------------------------------|------|------|---------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |         |
| Lower                                      |      |      |         |
| Upper                                      |      |      |         |
| 82                                         | 56.2 | 47.8 | 71.8    |
| 119                                        | 31.9 | 26.8 | 40.2    |

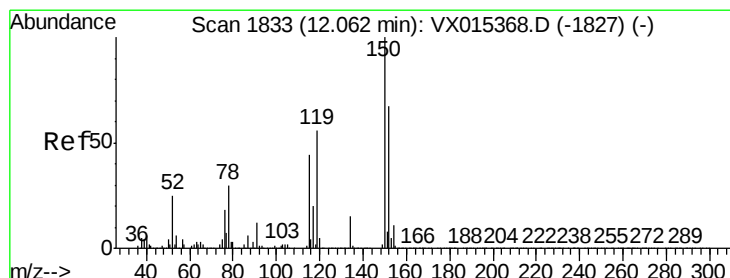
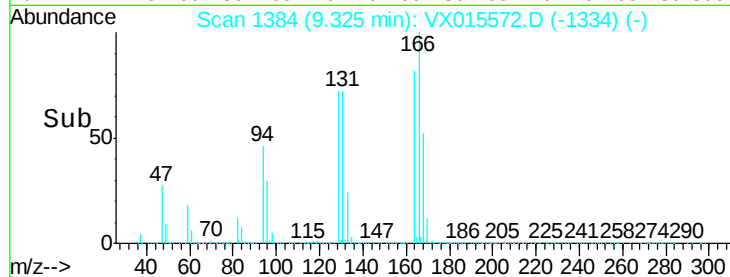
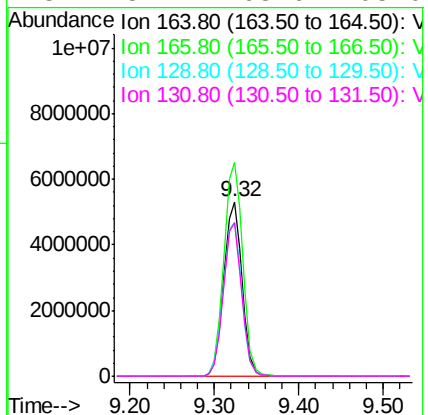
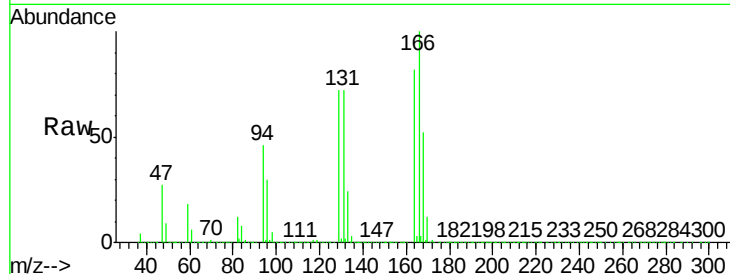




#64  
Tetrachloroethene  
Concen: 639.474 ug/l  
RT: 9.32 min Scan# 1384  
Delta R.T. 0.01 min  
Lab File: VX015572.D  
Acq: 08 Apr 2020 16:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
STOO8MW158-200407

Tot Ion:164 Resp: 7949998  
Ion Ratio Lower Upper  
164 100  
166 122.3 97.8 146.6  
129 87.7 73.0 109.4  
131 87.7 68.6 103.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: VX015572.D  
Acq: 08 Apr 2020 16:24

Tgt Ion:152 Resp: 919830  
Ion Ratio Lower Upper  
152 100  
115 57.4 39.0 116.9  
150 157.6 0.0 340.8

