

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041320\  
 Data File : VX015649.D  
 Acq On : 13 Apr 2020 17:57  
 Operator : JC/SP  
 Sample : L2241-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z4-SB-200409

Quant Time: Apr 14 01:41:29 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

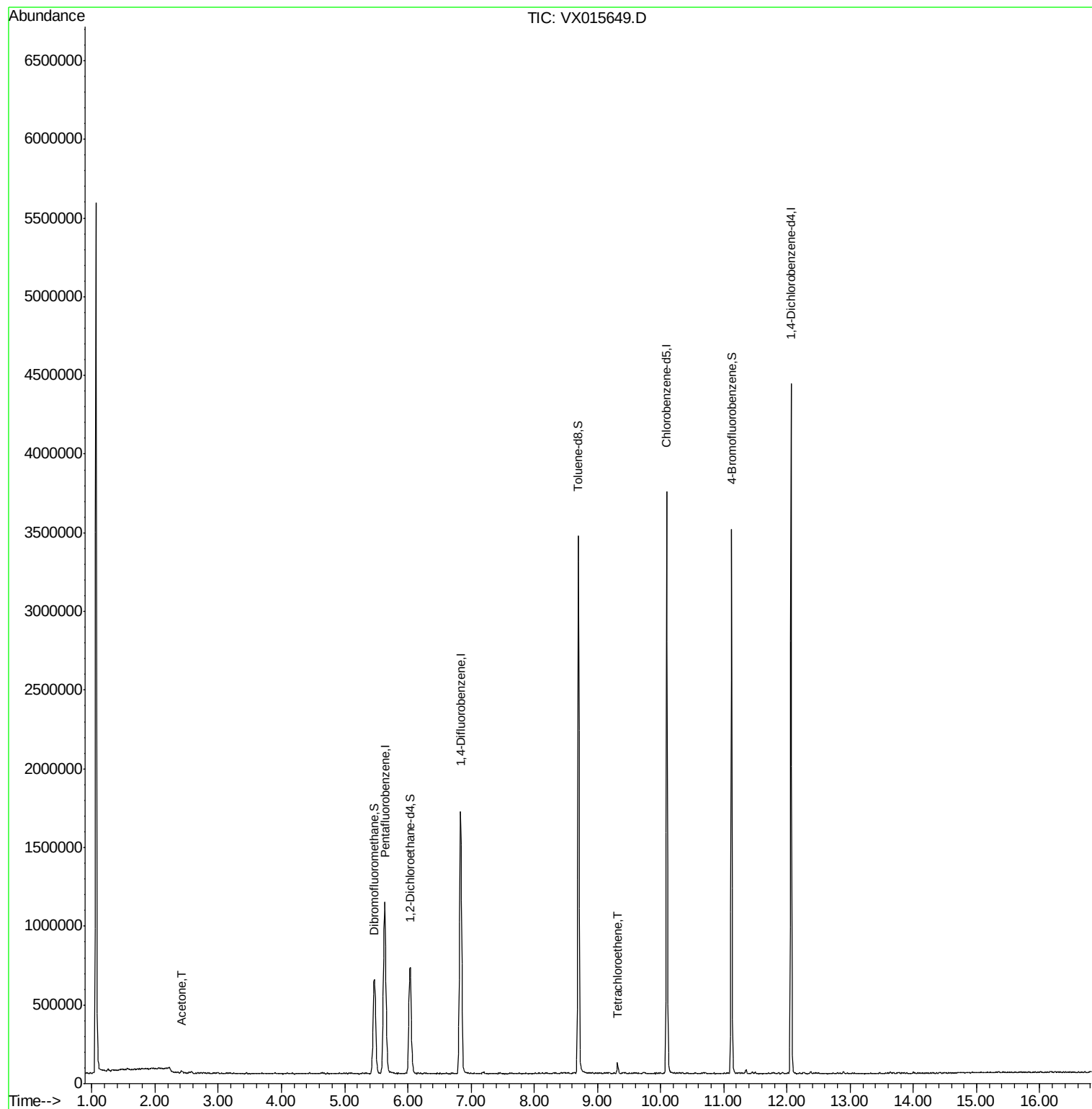
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 1082929  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 1701395  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 1631900  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 889415   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 677512   | 44.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.72%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 513943   | 47.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.52%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 2031808  | 50.74 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.48% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 854496   | 52.51 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.02% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 20484    | 3.122 | ug/l    | 96       |
| 64) Tetrachloroethene       | 9.32  | 164  | 13341    | 1.083 | ug/l    | 93       |

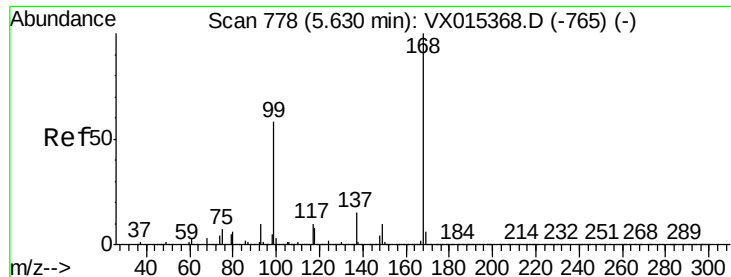
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020  
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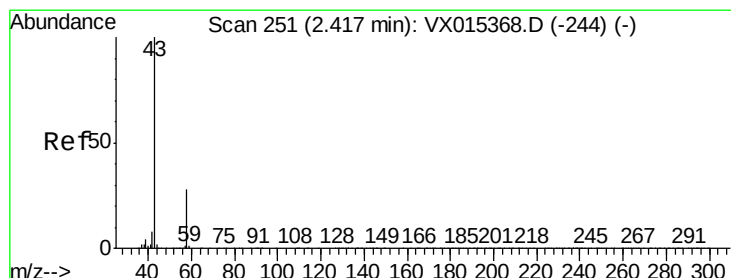
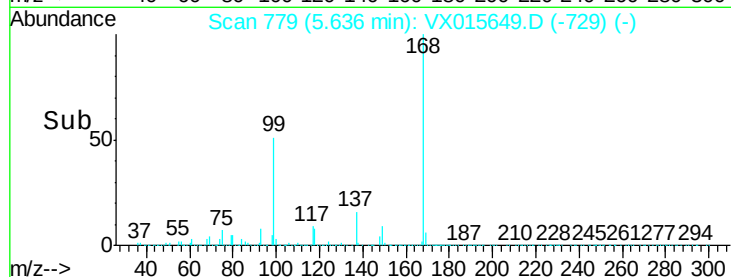
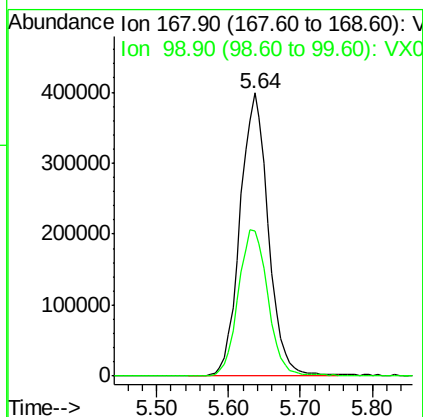
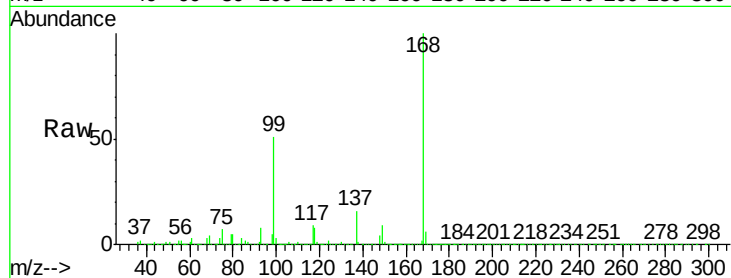


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.64 min Scan# 779  
 Delta R.T. 0.01 min  
 Lab File: VX015649.D  
 Acq: 13 Apr 2020 17:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z4-SB-200409

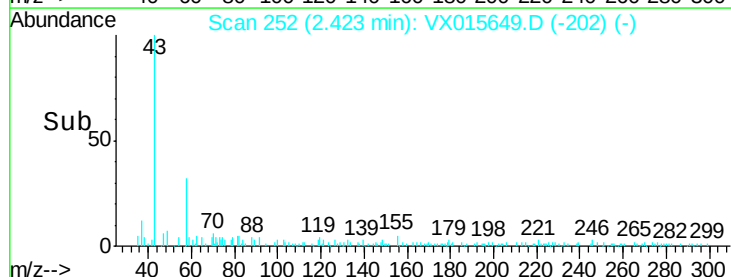
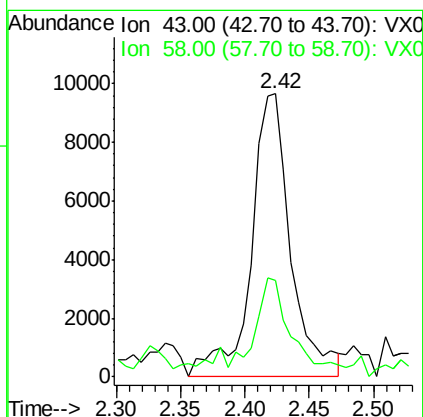
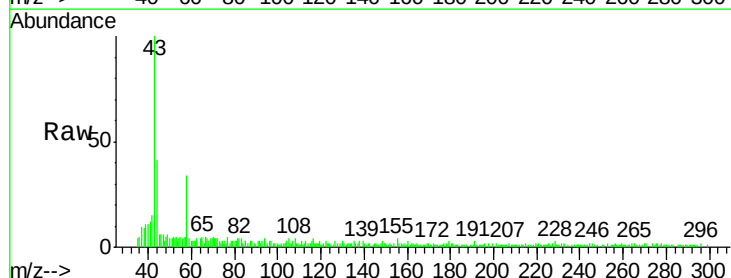
Tot Ion:168 Resp: 1082929  
 Ion Ratio Lower Upper  
 168 100  
 99 51.4 46.4 69.6

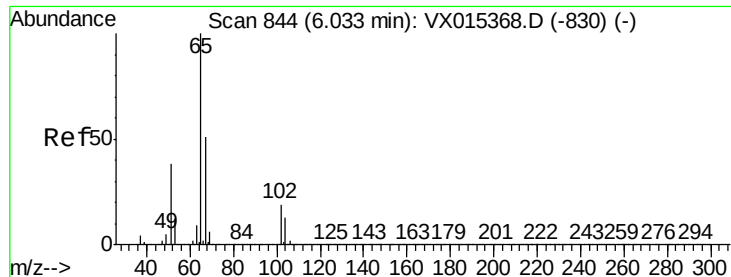


#16

Acetone  
 Concen: 3.122 ug/l  
 RT: 2.42 min Scan# 252  
 Delta R.T. 0.01 min  
 Lab File: VX015649.D  
 Acq: 13 Apr 2020 17:57

Tgt Ion: 43 Resp: 20484  
 Ion Ratio Lower Upper  
 43 100  
 58 29.7 22.1 33.1

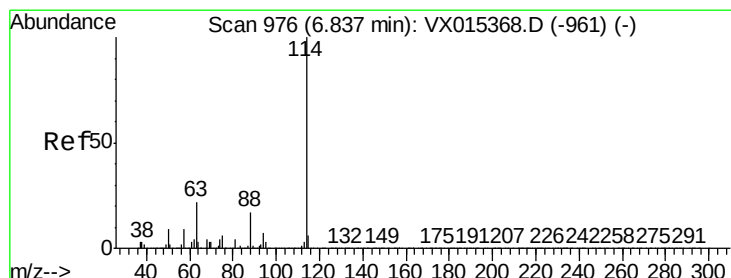
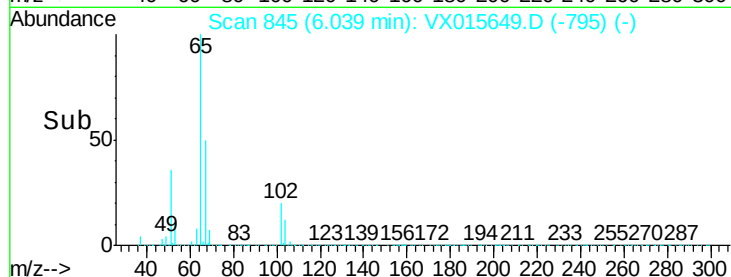
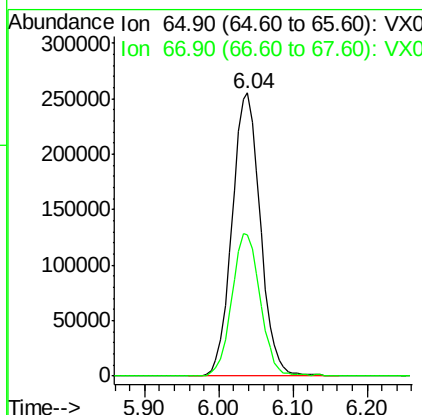
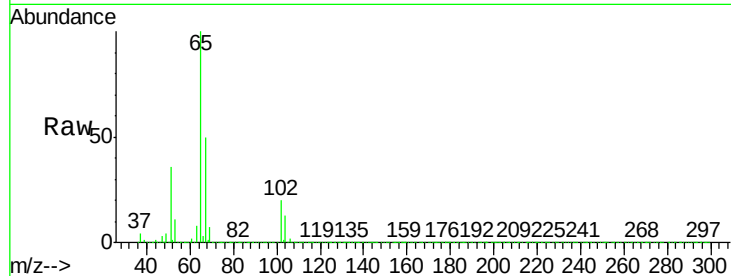




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.359 ug/l  
 RT: 6.04 min Scan# 845  
 Delta R.T. 0.01 min  
 Lab File: VX015649.D  
 Acq: 13 Apr 2020 17:57

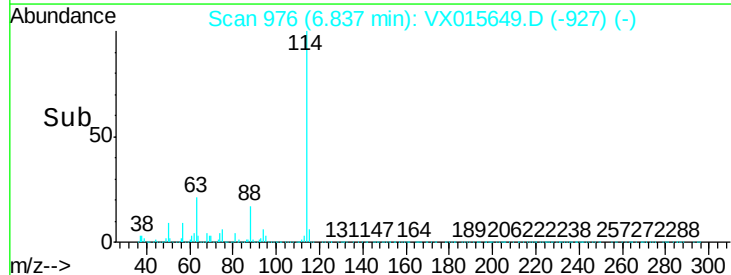
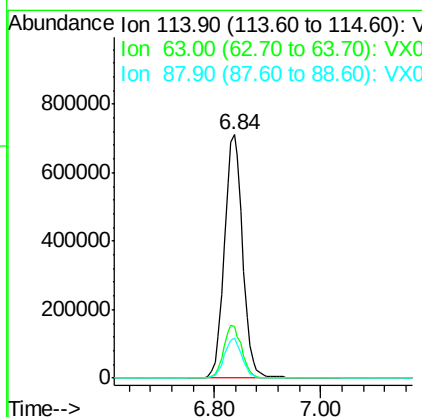
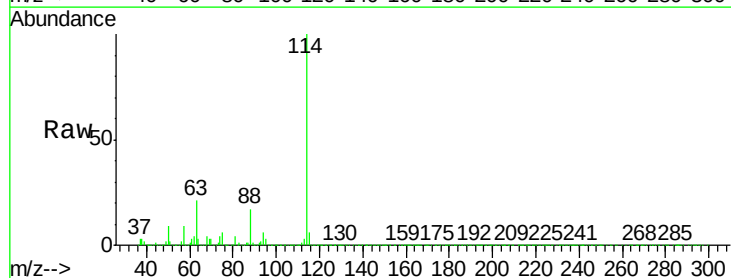
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z4-SB-200409

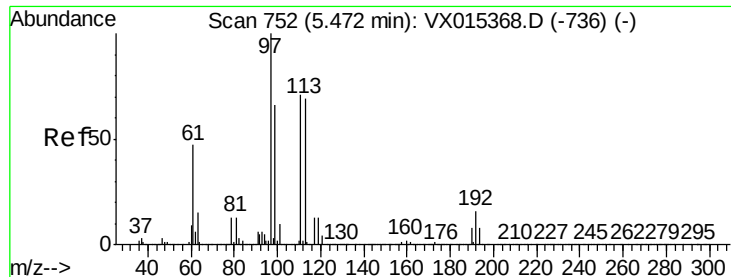
Tot Ion: 65 Resp: 677512  
 Ion Ratio Lower Upper  
 65 100  
 67 50.2 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: VX015649.D  
 Acq: 13 Apr 2020 17:57

Tgt Ion: 114 Resp: 1701395  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 44.2  
 88 16.6 0.0 33.8

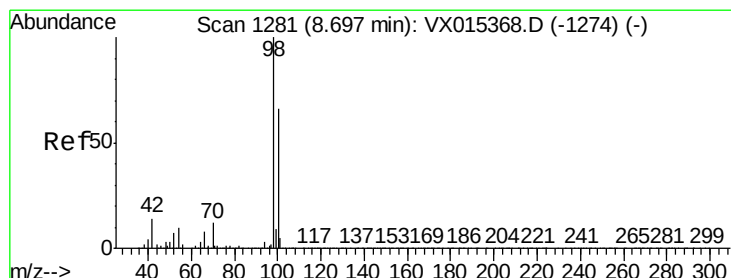
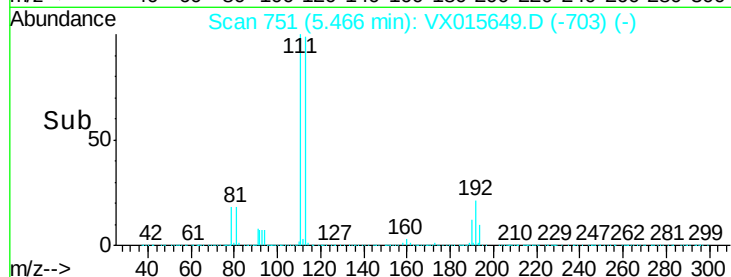
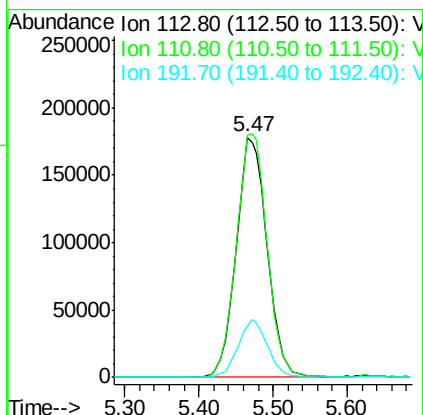
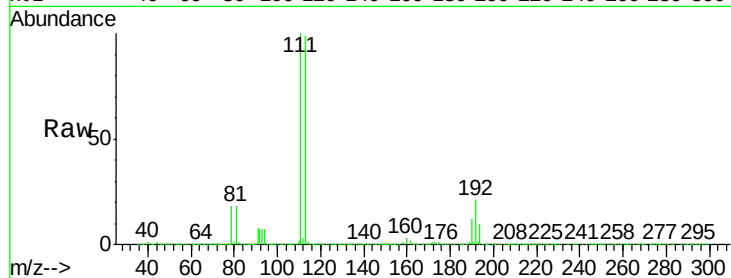




#35  
Dibromofluoromethane  
Concen: 47.256 ug/l  
RT: 5.47 min Scan# 751  
Delta R.T. -0.01 min  
Lab File: VX015649.D  
Acq: 13 Apr 2020 17:57

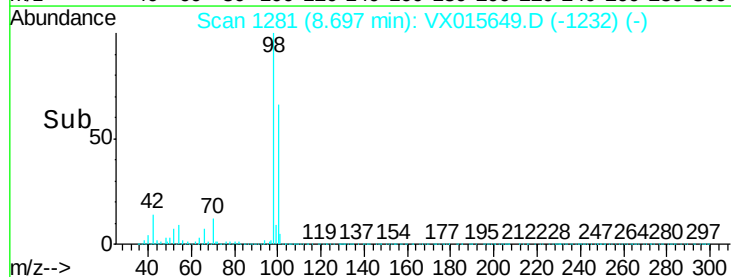
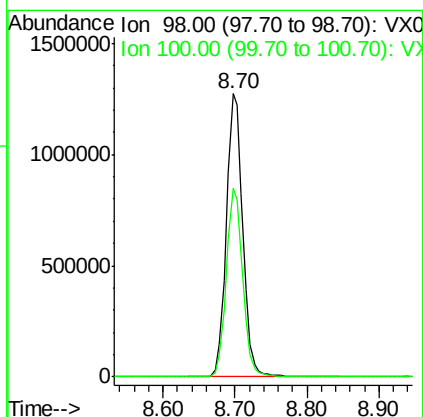
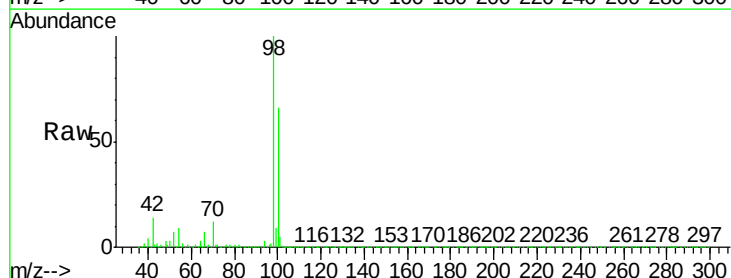
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z4-SB-200409

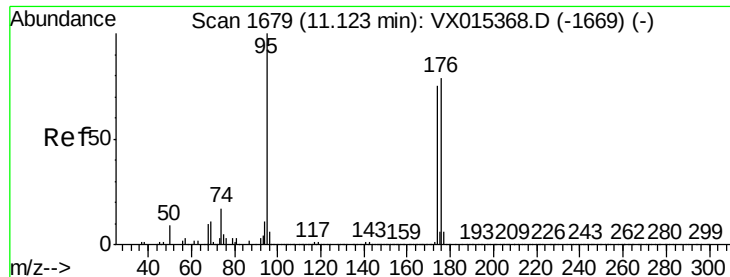
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 81.5  | 122.3 |
| 192     | 22.7  | 17.8  | 26.6  |



#50  
Toluene-d8  
Concen: 50.742 ug/l  
RT: 8.70 min Scan# 1281  
Delta R.T. -0.00 min  
Lab File: VX015649.D  
Acq: 13 Apr 2020 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.7  | 53.5  | 80.3  |





#62

4-Bromofluorobenzene

Concen: 52.510 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

Instrument :

MSVOA\_X

ClientSampleId :

Z4-SB-200409

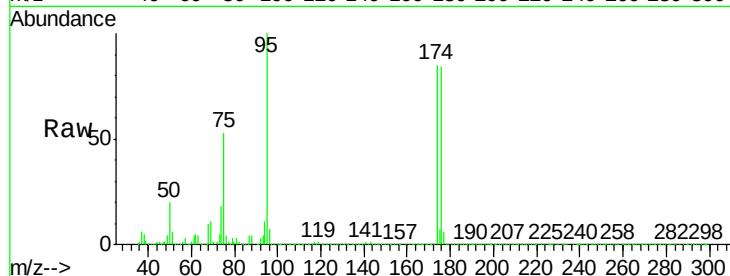
Tot Ion: 95 Resp: 854496

Ion Ratio Lower Upper

95 100

174 85.5 0.0 158.6

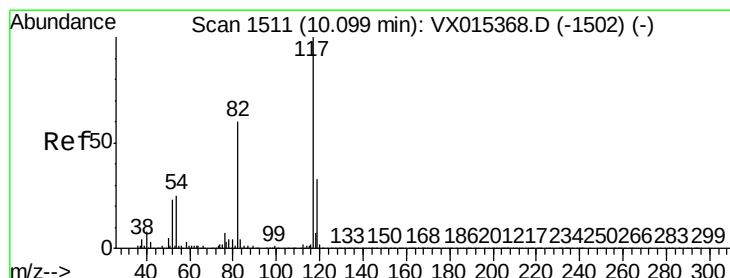
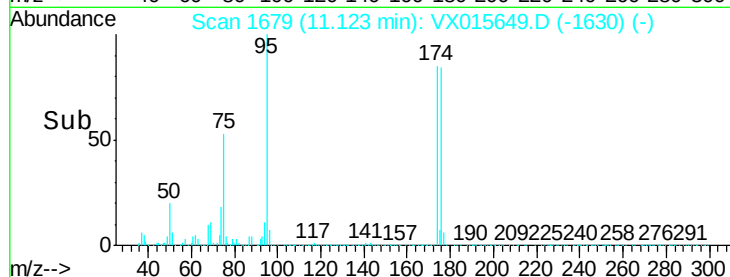
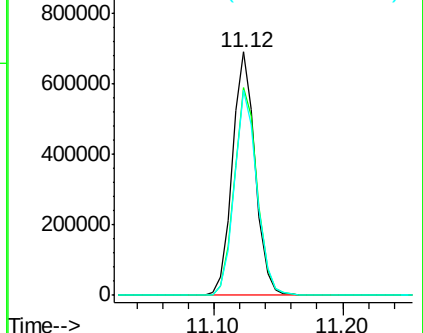
176 83.2 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015649.D

Acq: 13 Apr 2020 17:57

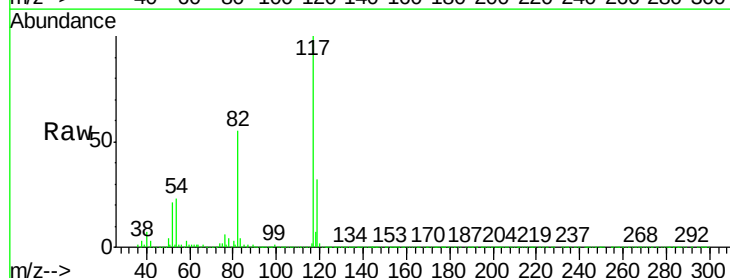
Tgt Ion: 117 Resp: 1631900

Ion Ratio Lower Upper

117 100

82 54.5 47.8 71.8

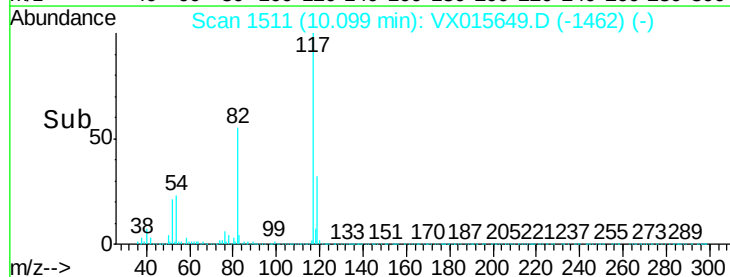
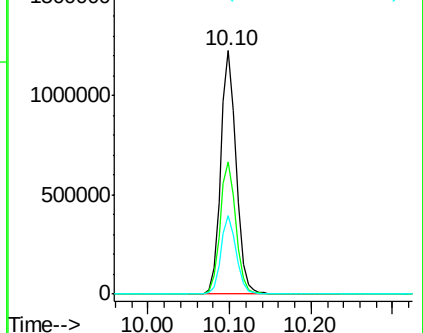
119 32.3 26.8 40.2

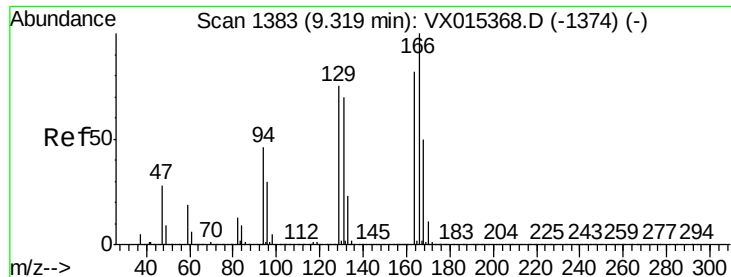


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

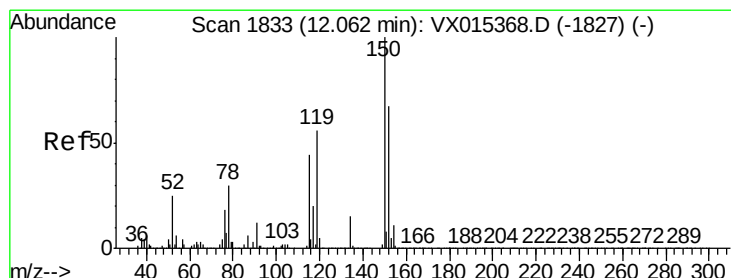
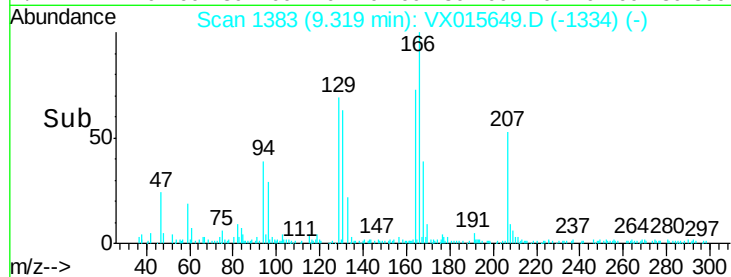
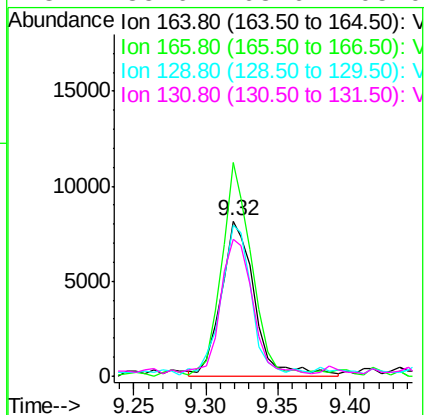
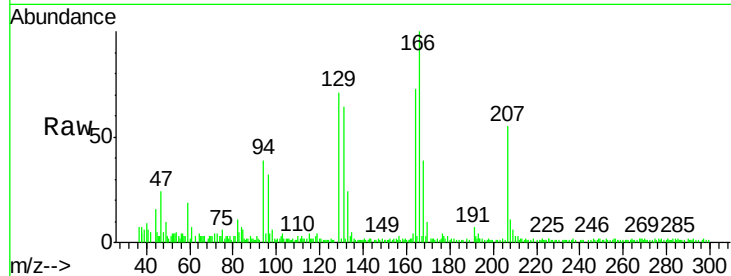




#64  
Tetrachloroethene  
Concen: 1.083 ug/l  
RT: 9.32 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX015649.D  
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Tot Ion:164 Resp: 13341  
Ion Ratio Lower Upper  
164 100  
166 139.1 97.8 146.6  
129 94.9 73.0 109.4  
131 85.6 68.6 103.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: VX015649.D  
Acq: 13 Apr 2020 17:57

Tgt Ion:152 Resp: 889415  
Ion Ratio Lower Upper  
152 100  
115 57.4 39.0 116.9  
150 159.0 0.0 340.8

