

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\  
 Data File : VX015419.D  
 Acq On : 28 Mar 2020 06:56  
 Operator : JC/SP  
 Sample : L2018-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

Quant Time: Mar 30 05:47:50 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  | 1078628  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1762703  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1691417  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 915775   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 734258   | 48.27 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.54%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 563734   | 50.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.06% |          |
| 50) Toluene-d8              | 8.70  | 98   | 2145080  | 51.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.42% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 933437   | 55.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.74% |          |

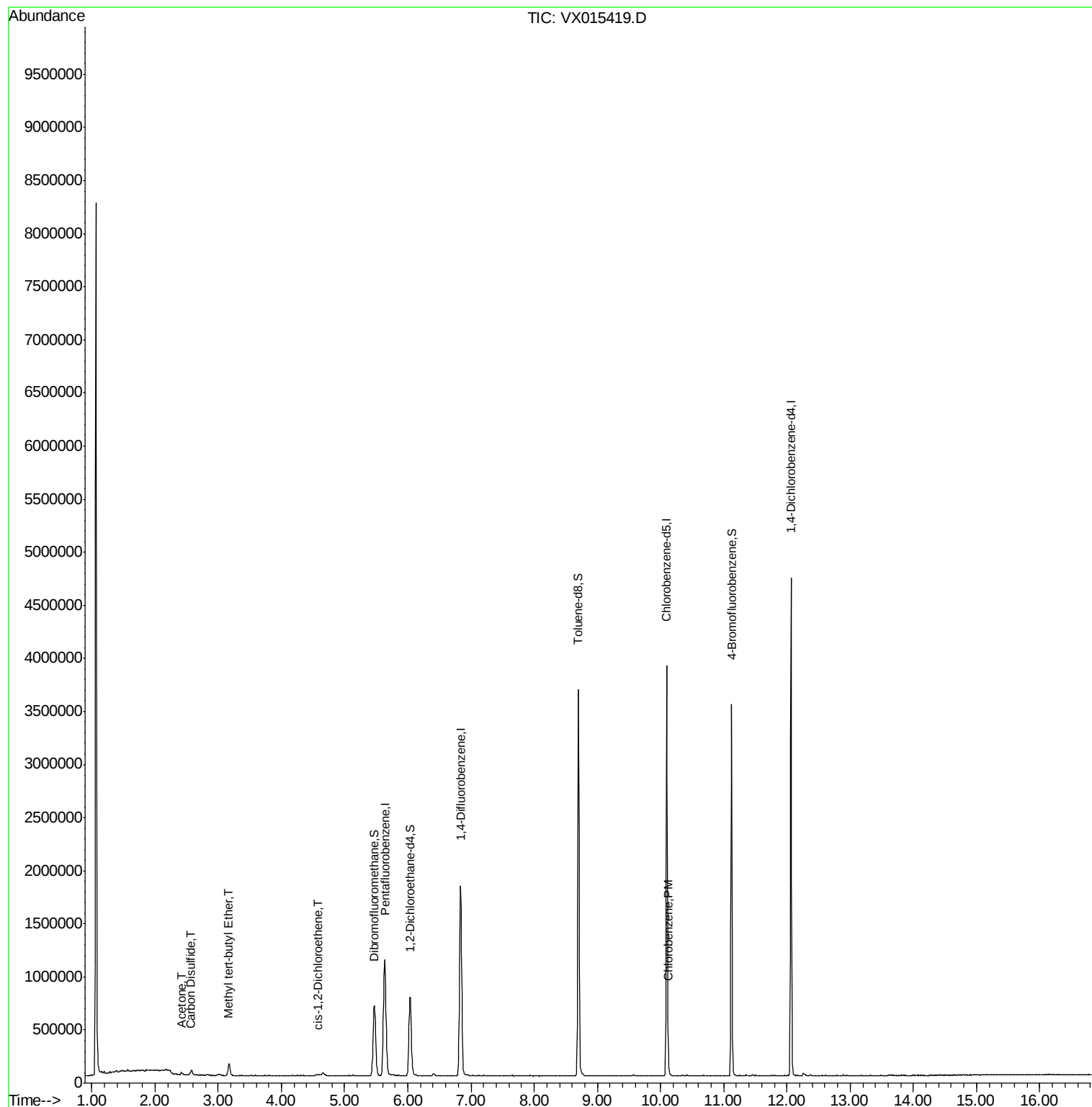
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|-----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                 | 2.42  | 43   | 27812    | 4.255 | ug/l  | 94     |
| 17) Carbon Disulfide        | 2.55  | 76   | 17465    | 0.562 | ug/l  | 99     |
| 19) Methyl tert-butyl Ether | 3.17  | 73   | 126728   | 3.209 | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene  | 4.58  | 96   | 8079     | 0.618 | ug/l  | 96     |
| 65) Chlorobenzene           | 10.12 | 112  | 11293    | 0.335 | ug/l  | 95     |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Quant Time: Mar 30 05:47:50 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015419.D

Acq: 28 Mar 2020 06:56

Instrument :

MSVOA\_X

ClientSampleId :

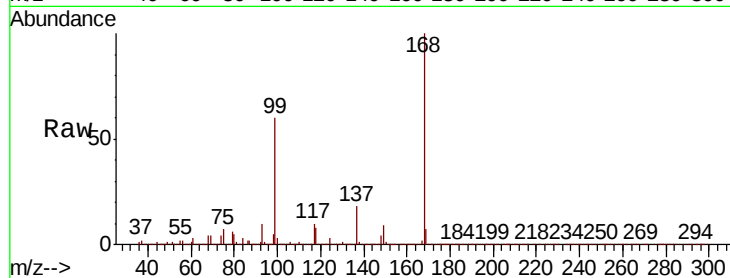
MW-2

Tot Ion:168 Resp: 1078628

Ion Ratio Lower Upper

168 100

99 60.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

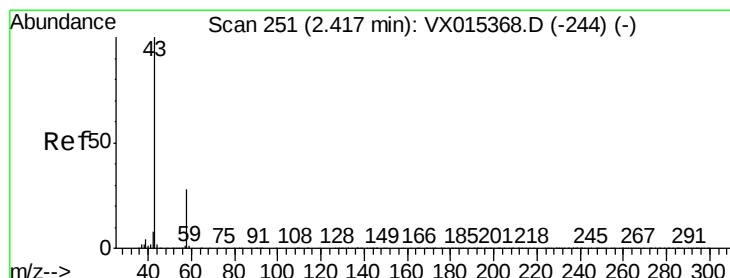
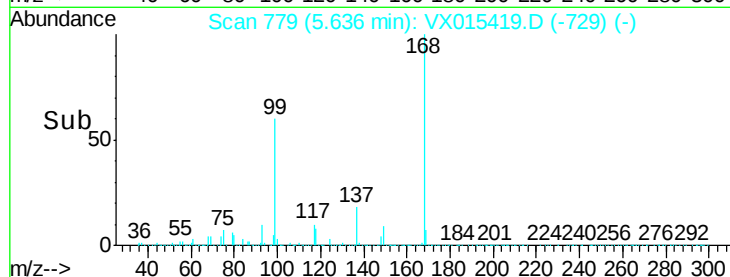
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.255 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015419.D

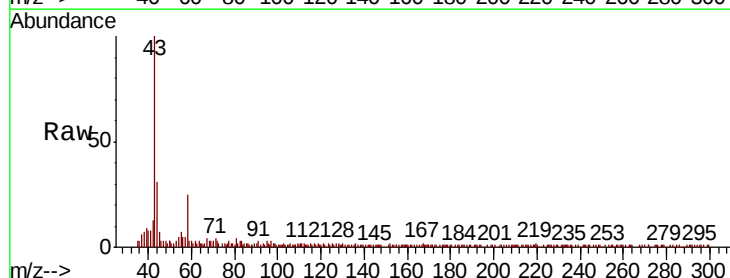
Acq: 28 Mar 2020 06:56

Tgt Ion: 43 Resp: 27812

Ion Ratio Lower Upper

43 100

58 24.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

15000

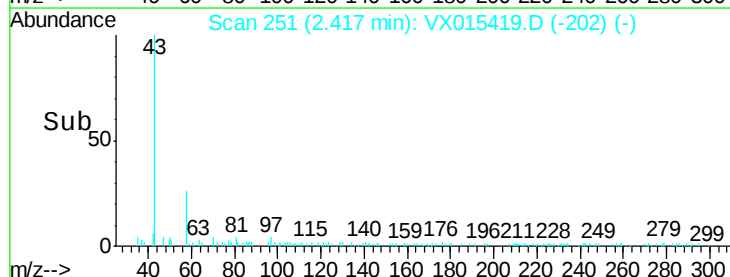
10000

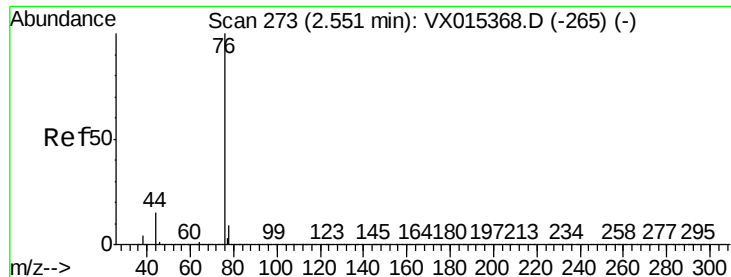
5000

0

Time-->

2.35 2.40 2.45 2.50





#17

Carbon Disulfide

Concen: 0.562 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015419.D

Acq: 28 Mar 2020 06:56

Instrument :

MSVOA\_X

ClientSampled :

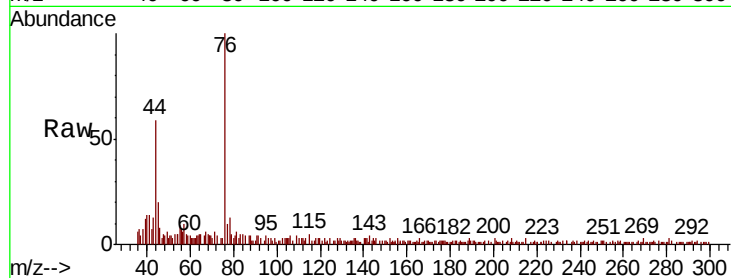
MW-2

Tot Ion: 76 Resp: 17465

Ion Ratio Lower Upper

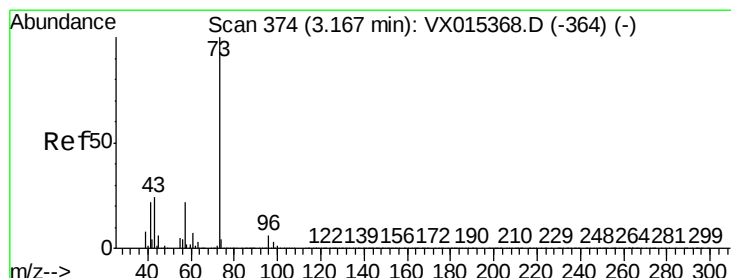
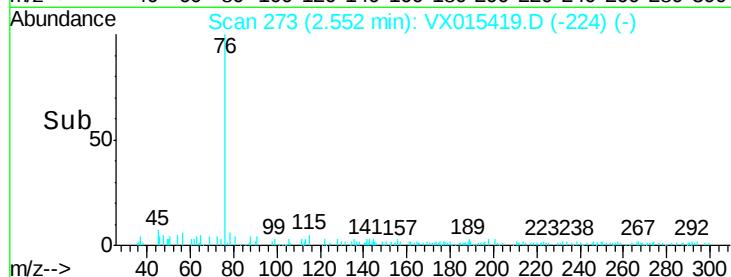
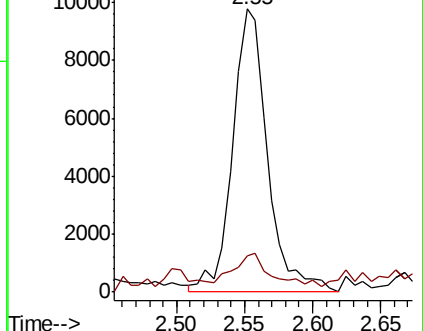
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#19

Methyl tert-butyl Ether

Concen: 3.209 ug/l

RT: 3.17 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX015419.D

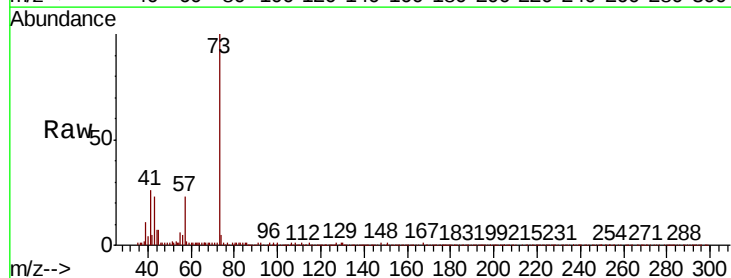
Acq: 28 Mar 2020 06:56

Tgt Ion: 73 Resp: 126728

Ion Ratio Lower Upper

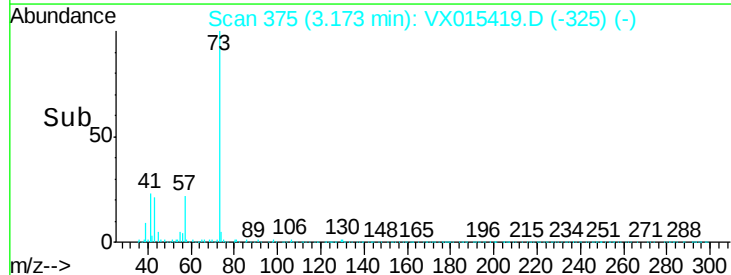
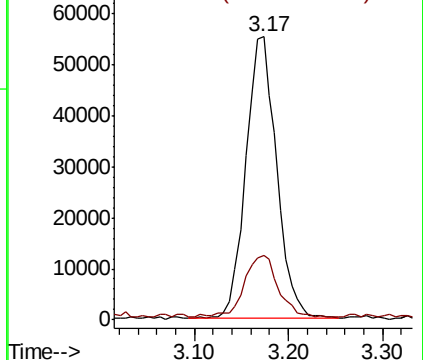
73 100

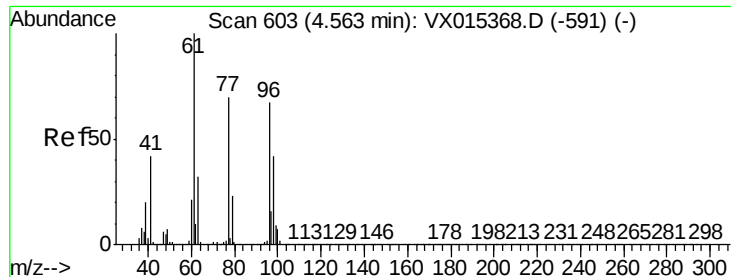
57 21.7 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



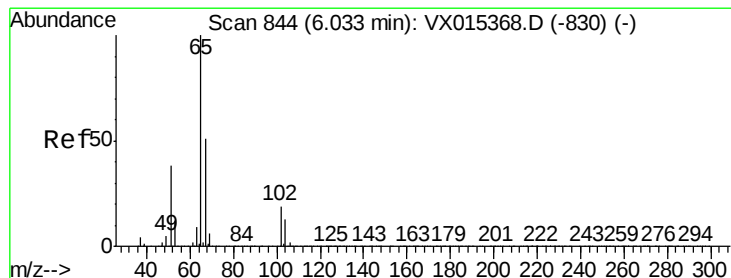
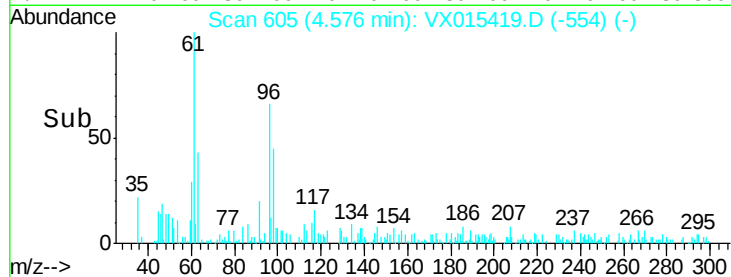
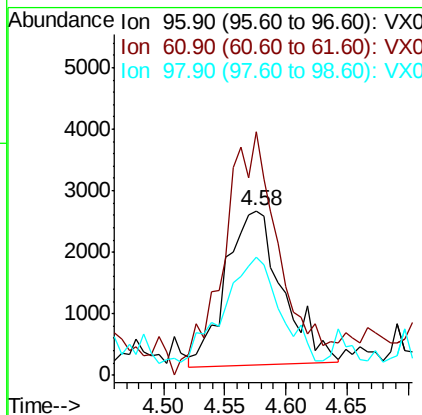
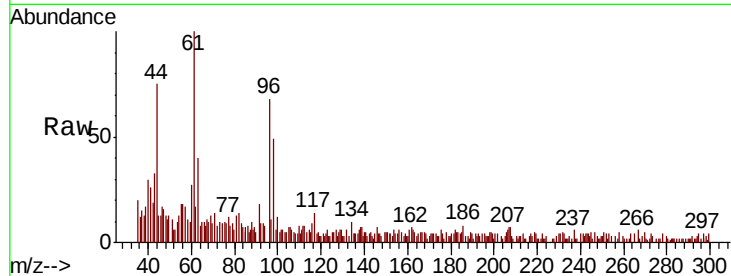


#27

cis-1,2-Dichloroethene  
Concen: 0.618 ug/l  
RT: 4.58 min Scan# 605  
Delta R.T. 0.01 min  
Lab File: VX015419.D  
Acq: 28 Mar 2020 06:56

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2

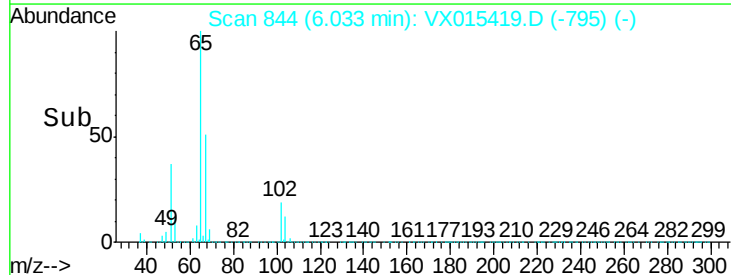
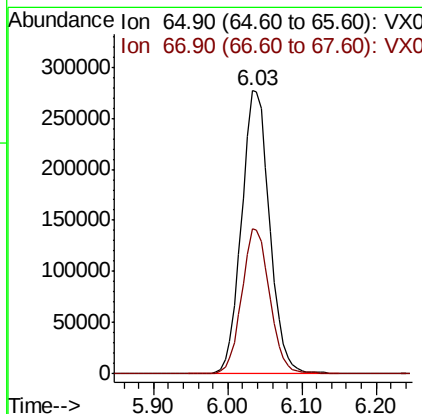
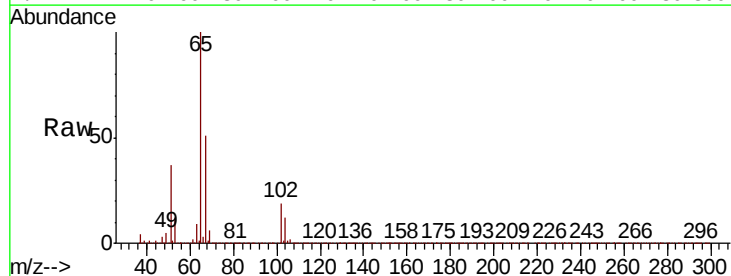
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 160.1 | 0.0   | 308.4 |
| 98      | 67.0  | 0.0   | 129.2 |

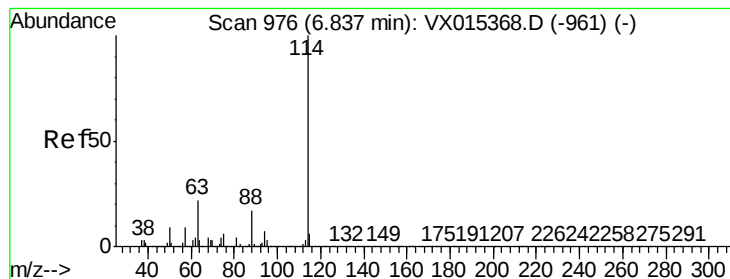


#33

1,2-Dichloroethane-d4  
Concen: 48.266 ug/l  
RT: 6.03 min Scan# 844  
Delta R.T. 0.00 min  
Lab File: VX015419.D  
Acq: 28 Mar 2020 06:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.9  | 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: VX015419.D

Acq: 28 Mar 2020 06:56

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

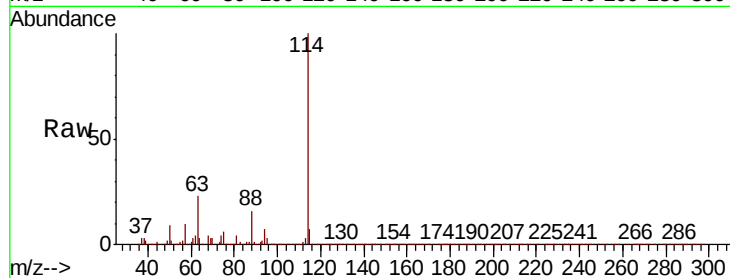
Tot Ion:114 Resp: 1762703

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.2

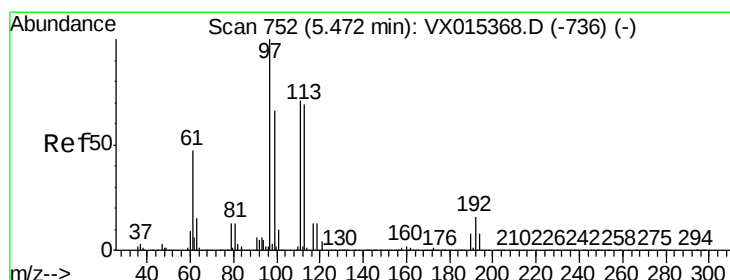
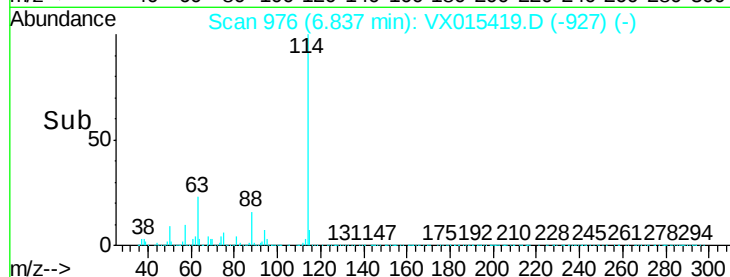
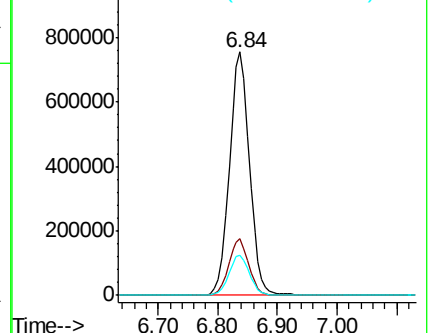
88 16.4 0.0 33.8



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: 50.031 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015419.D

Acq: 28 Mar 2020 06:56

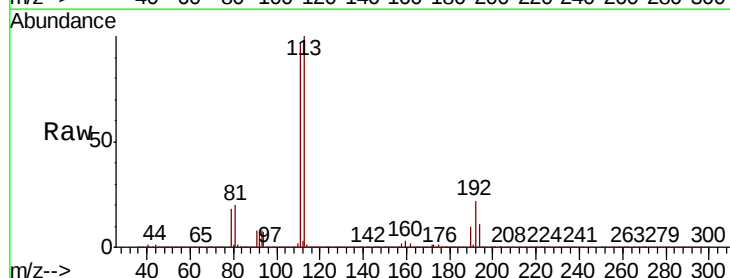
Tgt Ion:113 Resp: 563734

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

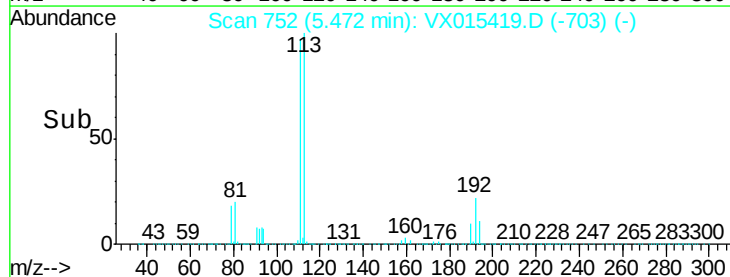
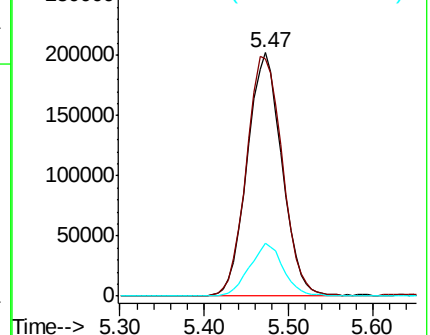
192 21.3 17.8 26.6

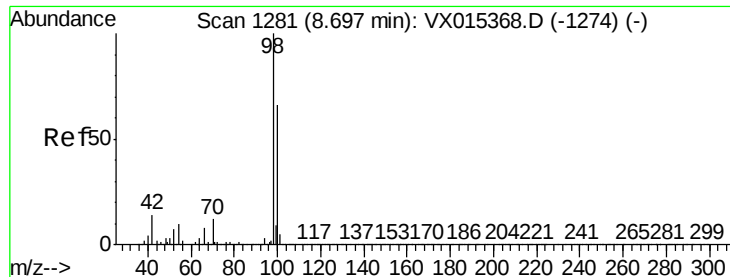


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.708 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015419.D

Acq: 28 Mar 2020 06:56

Instrument :

MSVOA\_X

ClientSampleId :

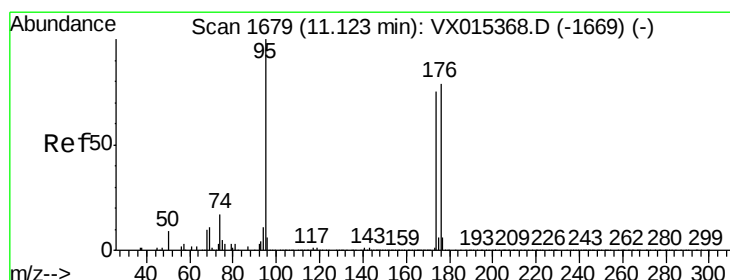
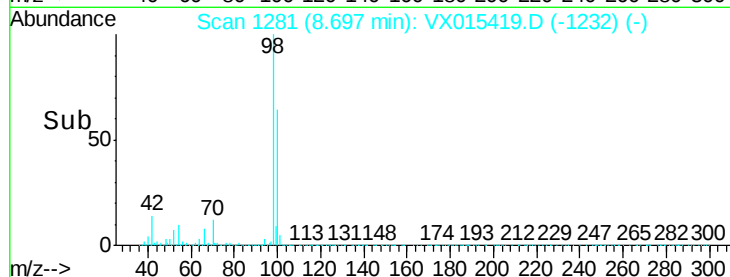
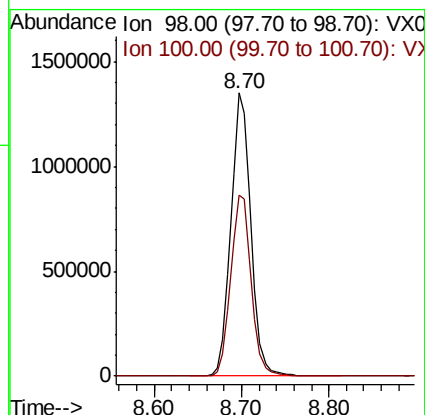
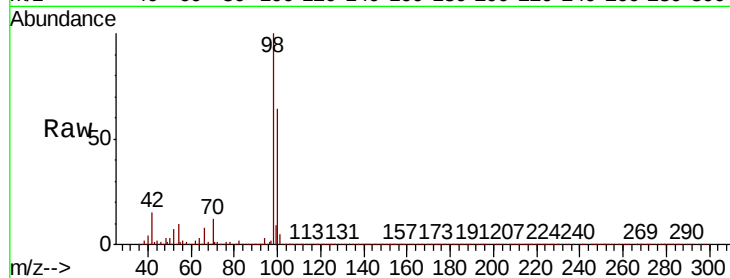
MW-2

Tot Ion: 98 Resp: 2145080

Ion Ratio Lower Upper

98 100

100 65.7 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.366 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015419.D

Acq: 28 Mar 2020 06:56

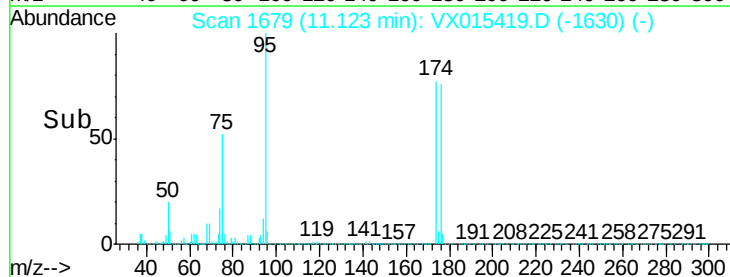
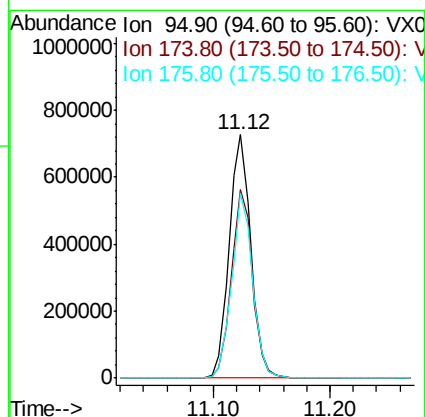
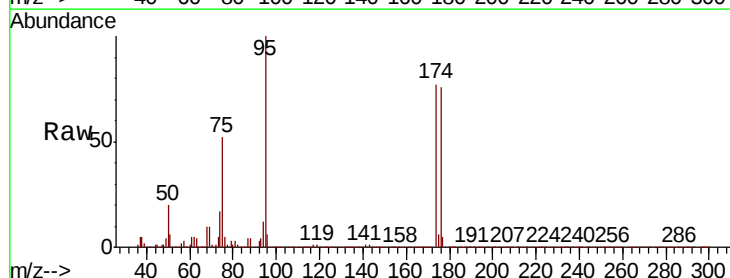
Tgt Ion: 95 Resp: 933437

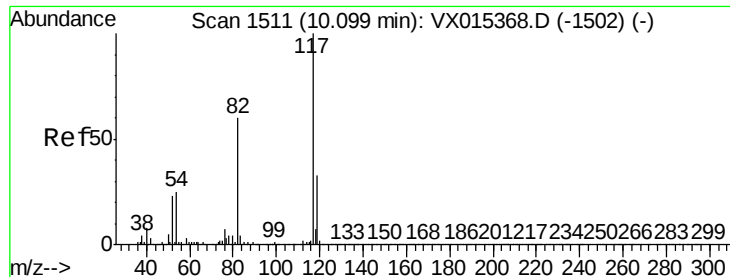
Ion Ratio Lower Upper

95 100

174 76.2 0.0 158.6

176 73.6 0.0 159.0

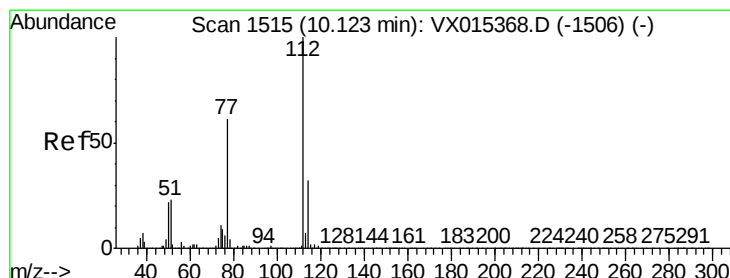
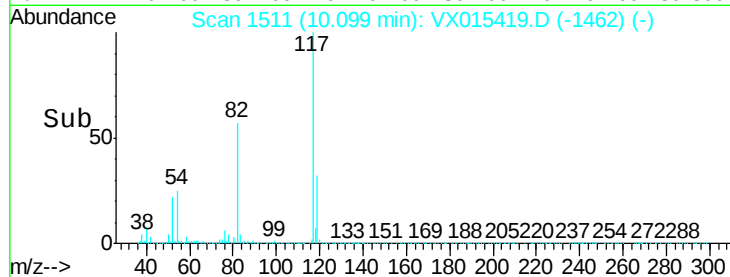
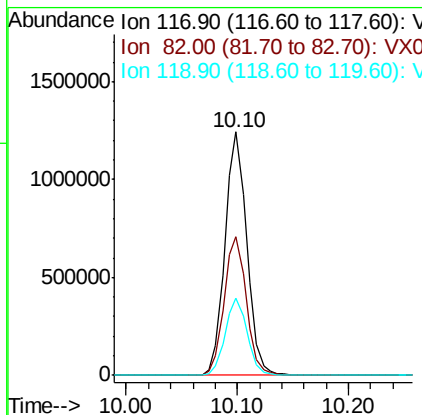
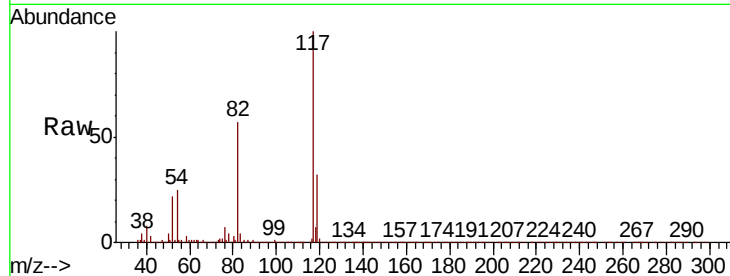




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015419.D  
Acq: 28 Mar 2020 06:56

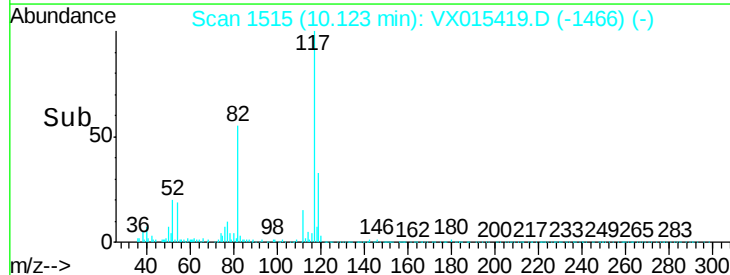
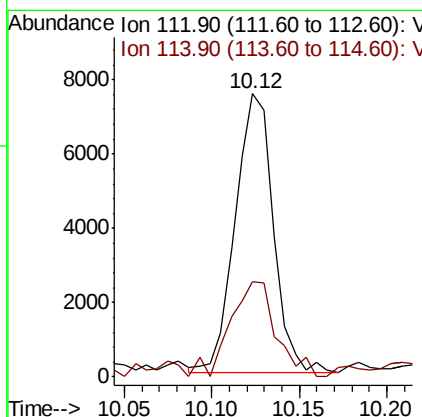
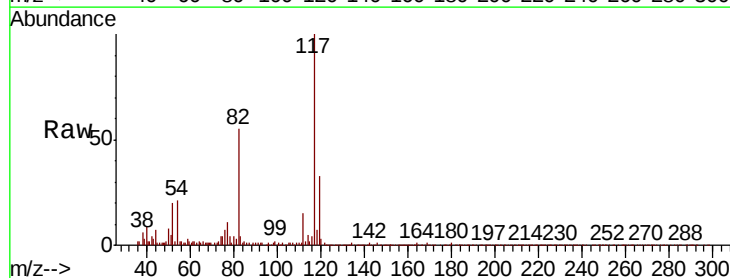
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

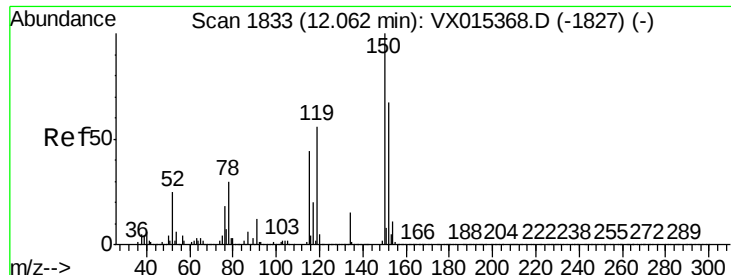
Tot Ion:117 Resp: 1691417  
Ion Ratio Lower Upper  
117 100  
82 57.0 47.8 71.8  
119 31.6 26.8 40.2



#65  
Chlorobenzene  
Concen: 0.335 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VX015419.D  
Acq: 28 Mar 2020 06:56

Tgt Ion:112 Resp: 11293  
Ion Ratio Lower Upper  
112 100  
114 34.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015419.D

Acq: 28 Mar 2020 06:56

Instrument :

MSVOA\_X

ClientSampleId :

MW-2

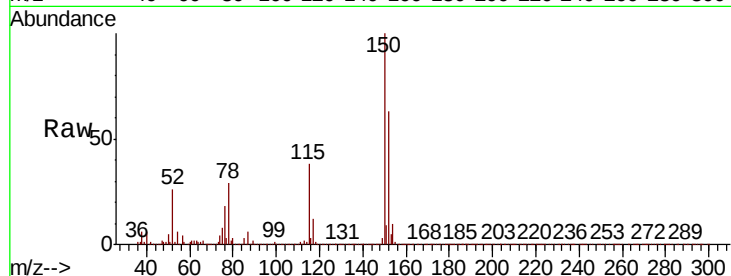
Tot Ion:152 Resp: 915775

Ion Ratio Lower Upper

152 100

115 58.0 39.0 116.9

150 152.6 0.0 340.8



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

