

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042020\  
 Data File : VX015779.D  
 Acq On : 20 Apr 2020 20:21  
 Operator : JC/SP  
 Sample : L2350-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-5-S

Quant Time: Apr 21 08:50:55 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

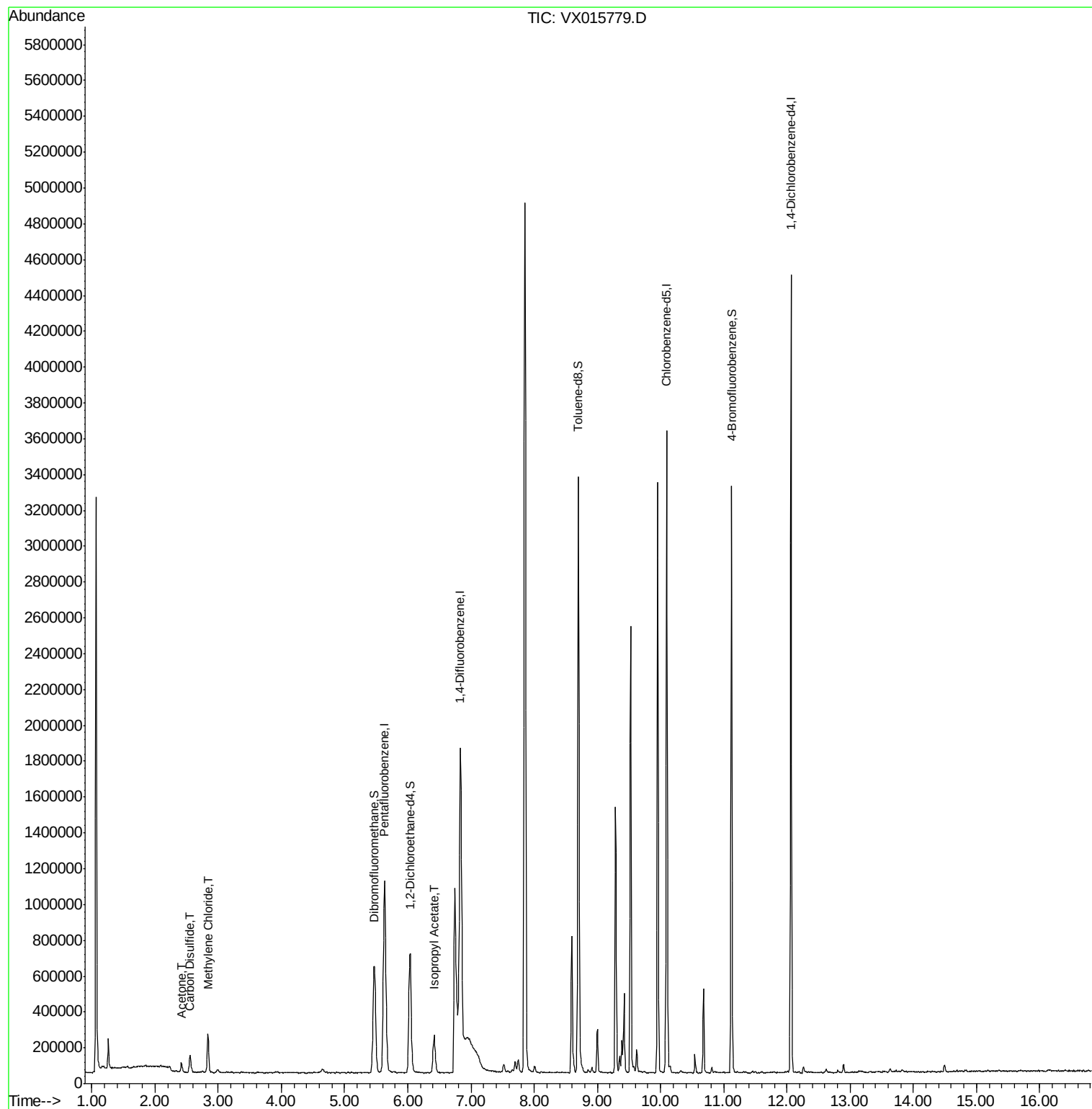
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 1083560  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 1685053  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 1596818  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 923560   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 645085   | 42.21 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 84.42%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 513979   | 47.72 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.44%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 1979541  | 49.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 853155   | 52.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.88% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 58004    | 8.834 | ug/l    | 97       |
| 17) Carbon Disulfide        | 2.55  | 76   | 121094   | 3.880 | ug/l    | 100      |
| 20) Methylene Chloride      | 2.84  | 84   | 92578    | 7.549 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.42  | 43   | 304582   | 8.925 | ug/l    | 99       |

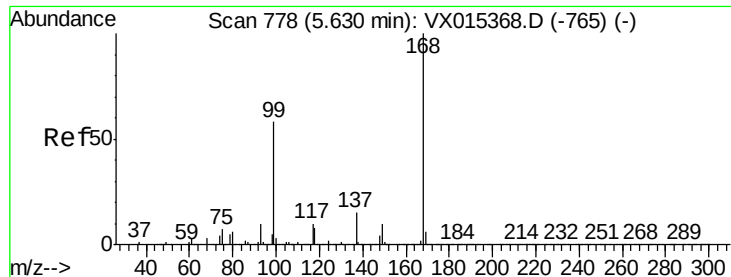
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015779.D

Acq: 20 Apr 2020 20:21

Instrument :

MSVOA\_X

ClientSampleId :

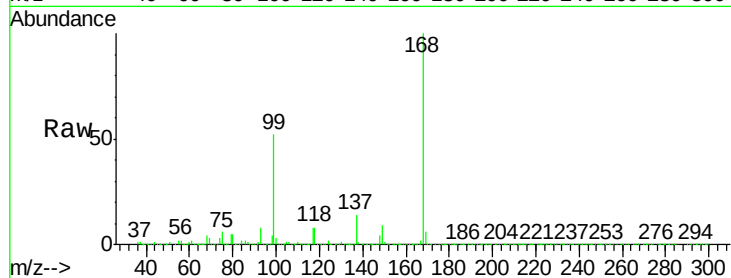
TP-5-S

Tot Ion:168 Resp: 1083560

Ion Ratio Lower Upper

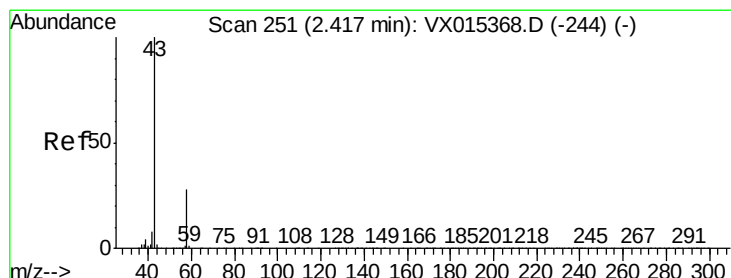
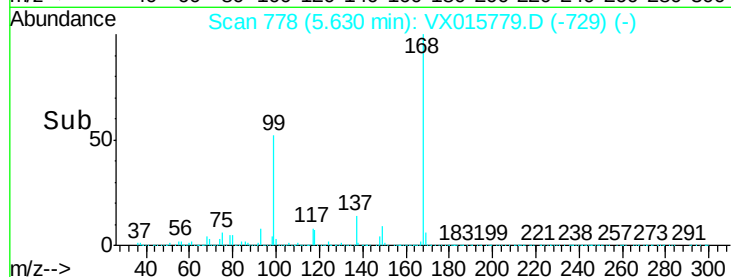
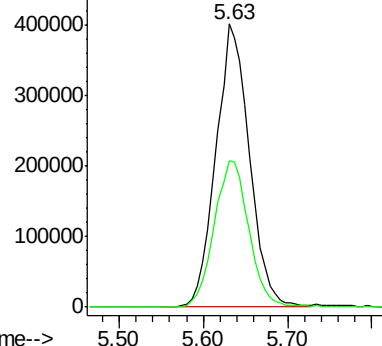
168 100

99 51.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.834 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015779.D

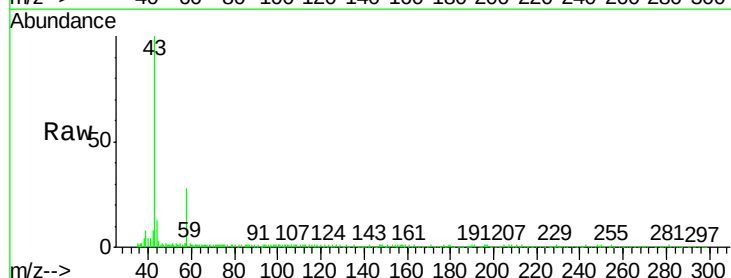
Acq: 20 Apr 2020 20:21

Tgt Ion: 43 Resp: 58004

Ion Ratio Lower Upper

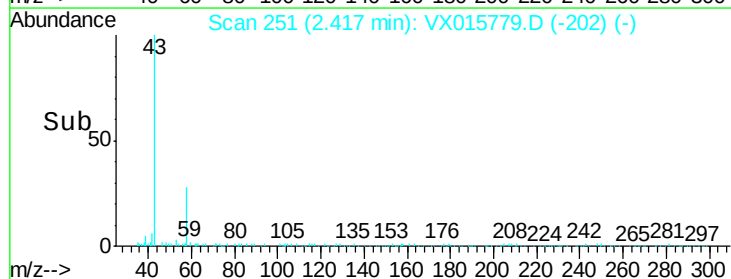
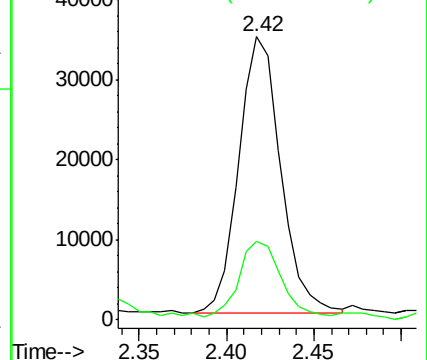
43 100

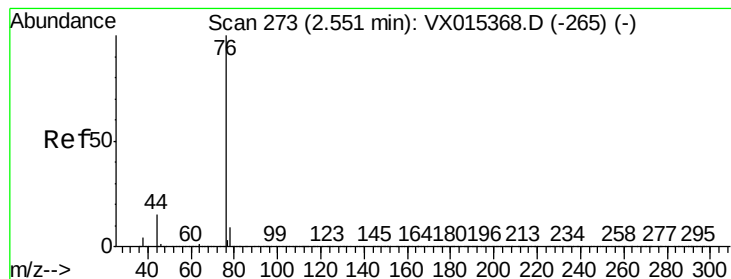
58 26.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 3.880 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015779.D

Acq: 20 Apr 2020 20:21

Instrument :

MSVOA\_X

ClientSampleId :

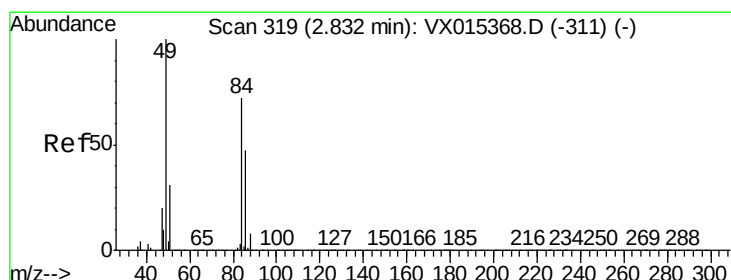
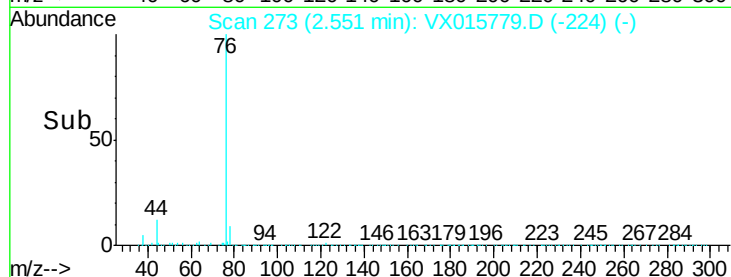
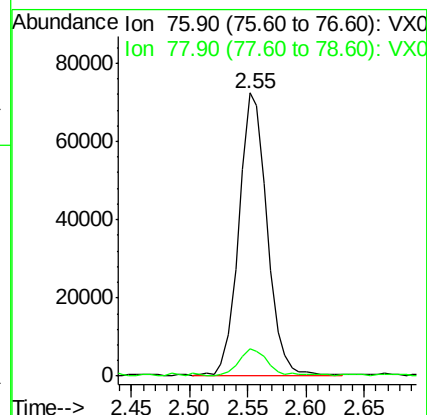
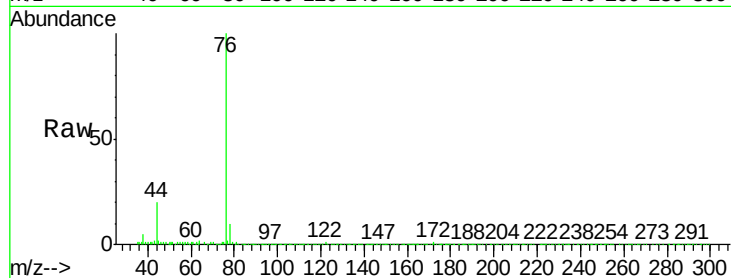
TP-5-S

Tot Ion: 76 Resp: 121094

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#20

Methylene Chloride

Concen: 7.549 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015779.D

Acq: 20 Apr 2020 20:21

Tgt Ion: 84 Resp: 92578

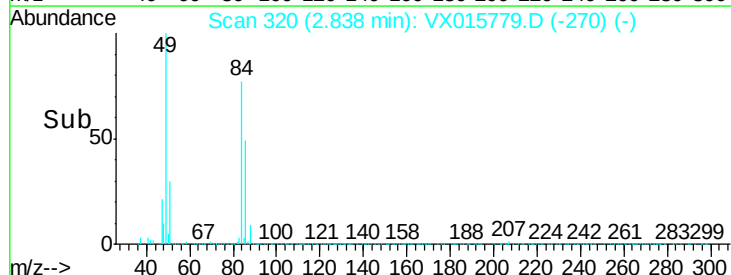
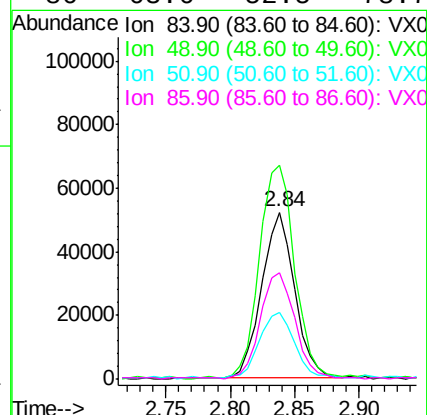
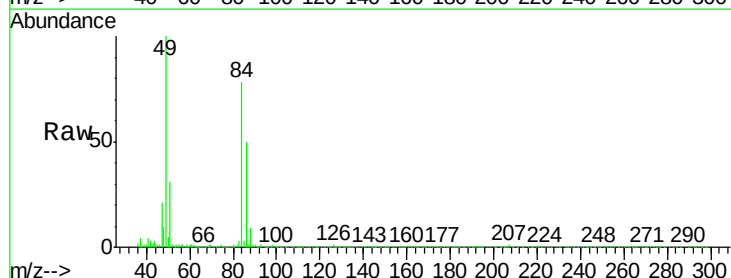
Ion Ratio Lower Upper

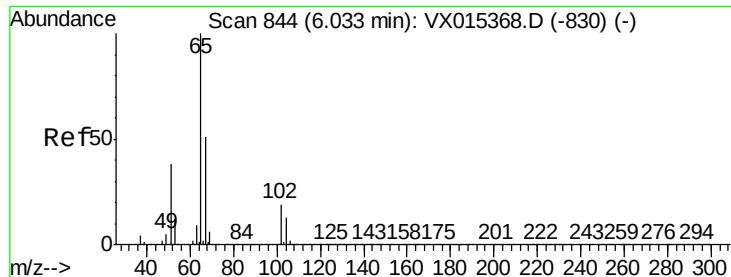
84 100

49 129.7 111.3 166.9

51 39.3 34.0 51.0

86 63.6 52.5 78.7

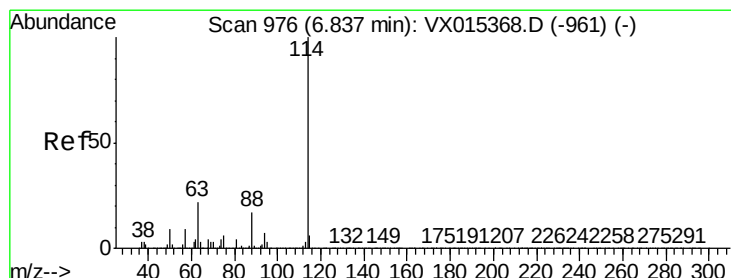
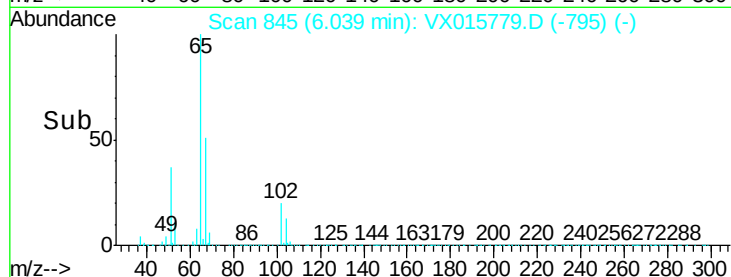
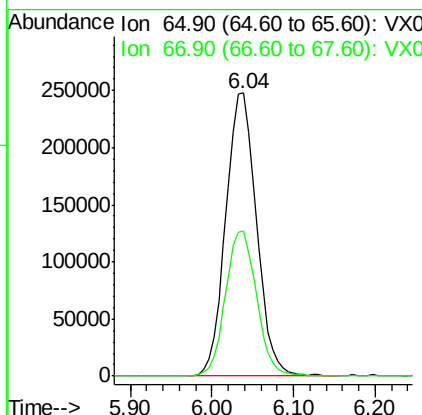
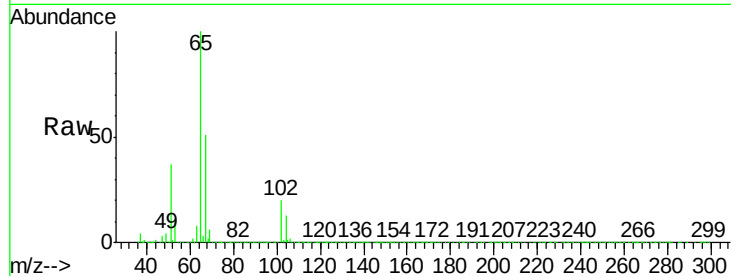




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.211 ug/l  
 RT: 6.04 min Scan# 845  
 Delta R.T. 0.01 min  
 Lab File: VX015779.D  
 Acq: 20 Apr 2020 20:21

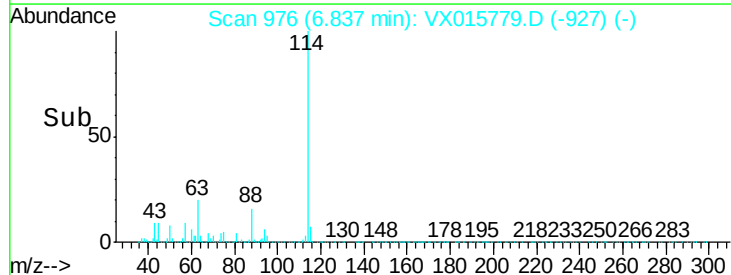
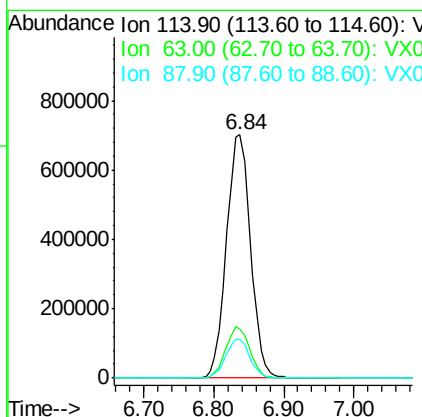
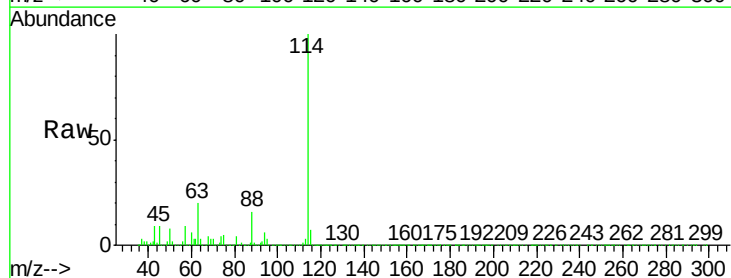
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TP-5-S

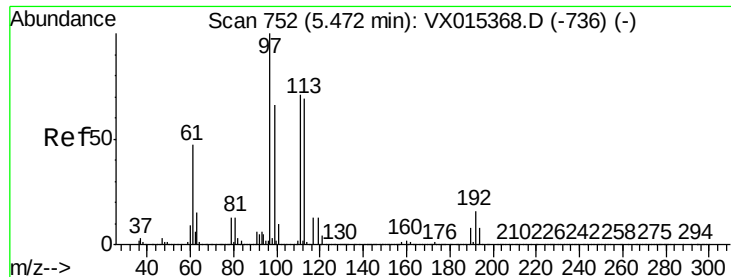
Tot Ion: 65 Resp: 645085  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 976  
 Delta R.T. -0.00 min  
 Lab File: VX015779.D  
 Acq: 20 Apr 2020 20:21

Tgt Ion: 114 Resp: 1685053  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 44.2  
 88 15.9 0.0 33.8

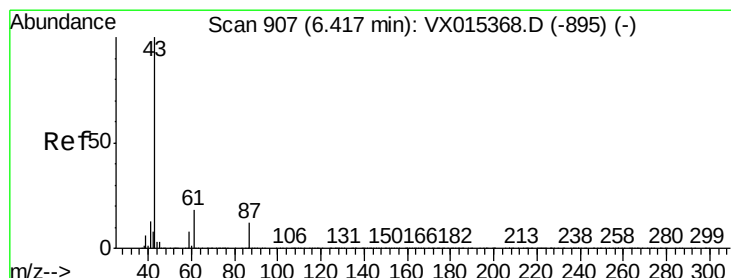
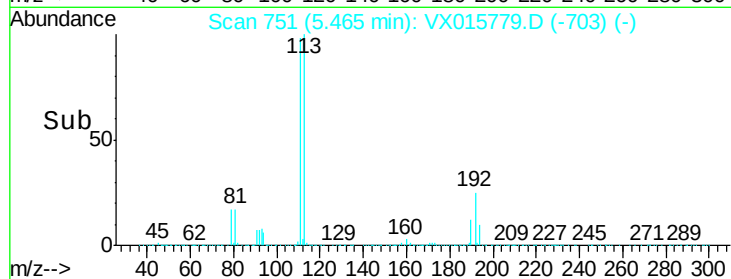
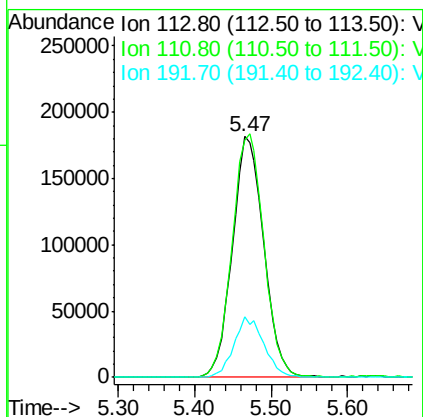
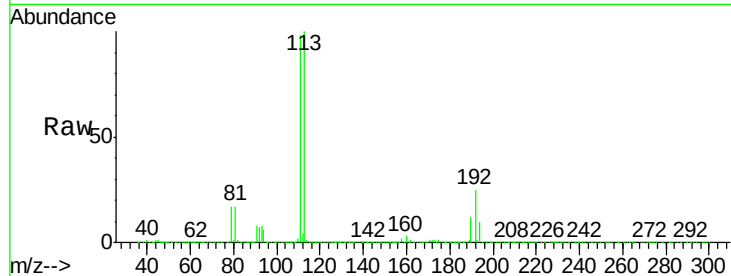




#35  
 Dibromofluoromethane  
 Concen: 47.717 ug/l  
 RT: 5.47 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: VX015779.D  
 Acq: 20 Apr 2020 20:21

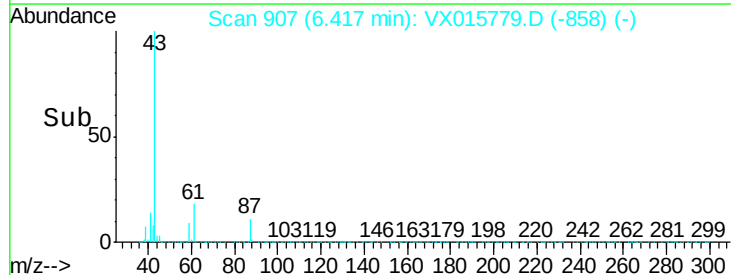
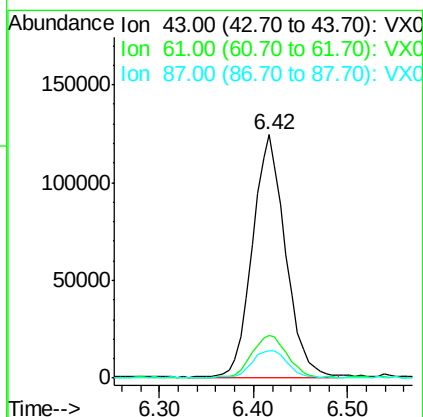
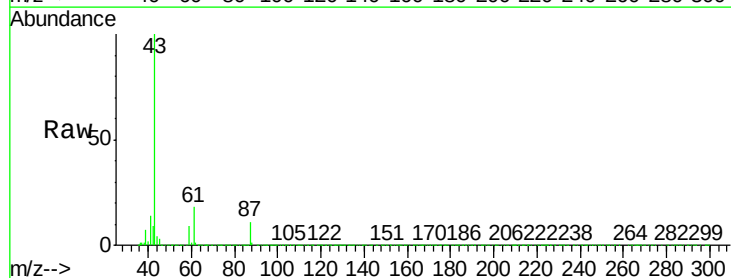
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-5-S

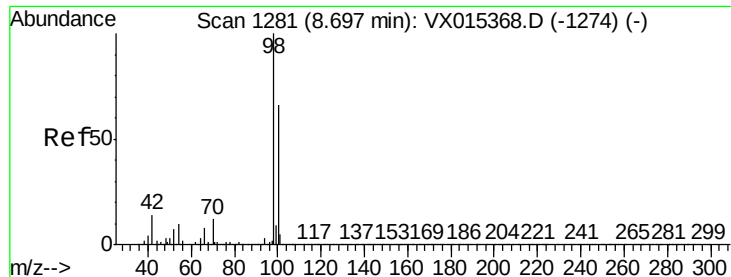
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 81.5  | 122.3 |
| 192     | 24.2  | 17.8  | 26.6  |



#43  
 Isopropyl Acetate  
 Concen: 8.925 ug/l  
 RT: 6.42 min Scan# 907  
 Delta R.T. -0.00 min  
 Lab File: VX015779.D  
 Acq: 20 Apr 2020 20:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.7  | 14.8  | 22.2  |
| 87      | 12.2  | 9.4   | 14.0  |





#50

Toluene-d8

Concen: 49.916 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015779.D

Acq: 20 Apr 2020 20:21

Instrument :

MSVOA\_X

ClientSampleId :

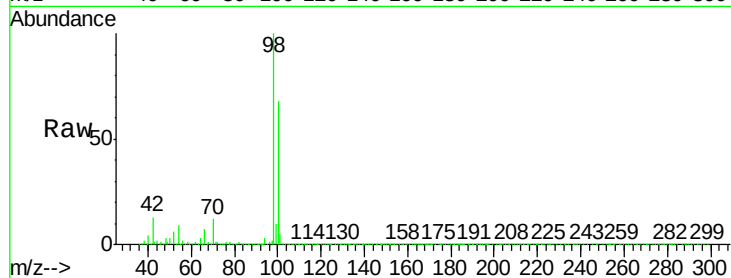
TP-5-S

Tot Ion: 98 Resp: 1979541

Ion Ratio Lower Upper

98 100

100 67.0 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

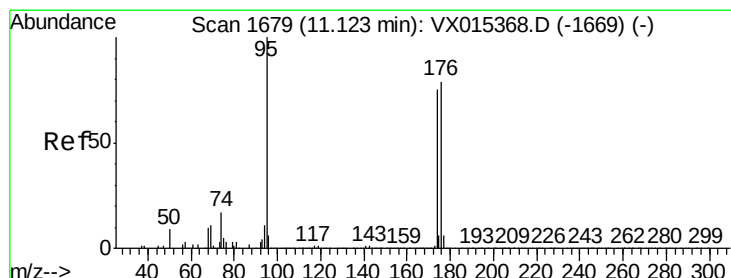
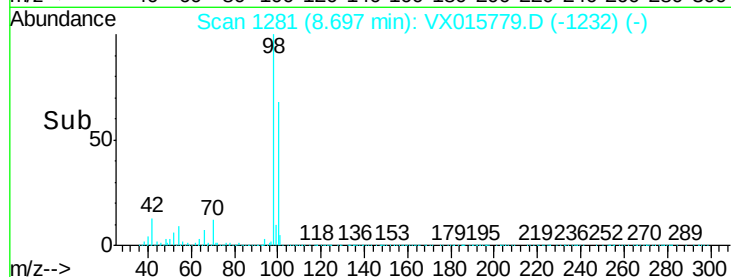
8.70

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.936 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015779.D

Acq: 20 Apr 2020 20:21

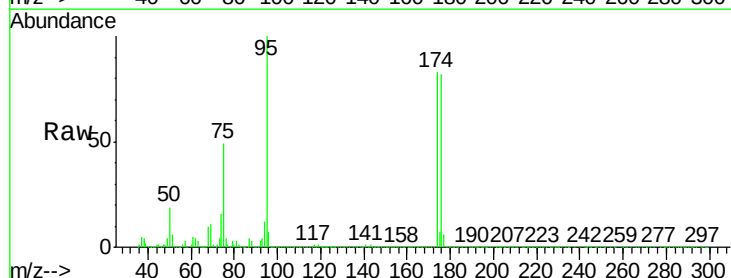
Tgt Ion: 95 Resp: 853155

Ion Ratio Lower Upper

95 100

174 87.4 0.0 158.6

176 82.7 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

11.12

800000

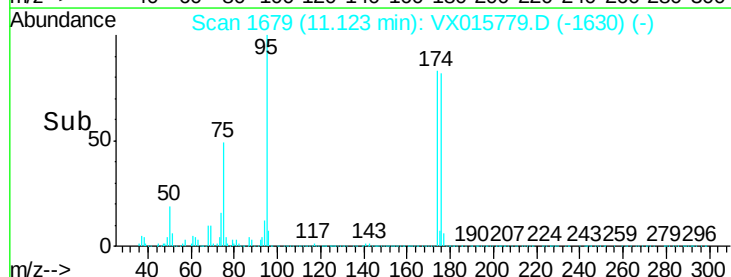
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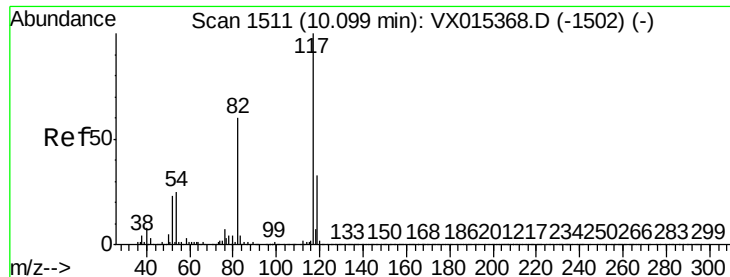
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200000

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Time-->

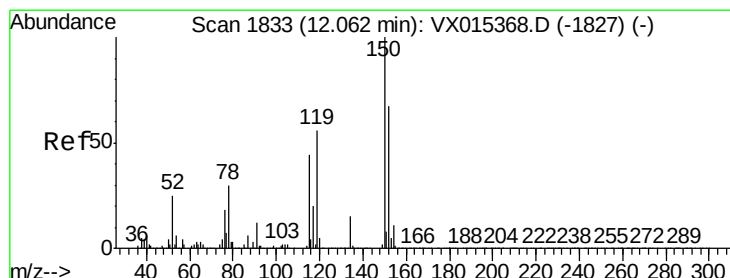
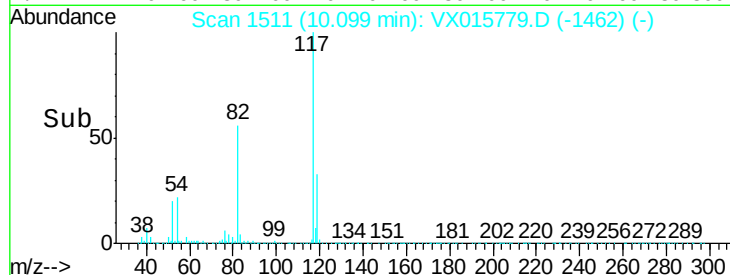
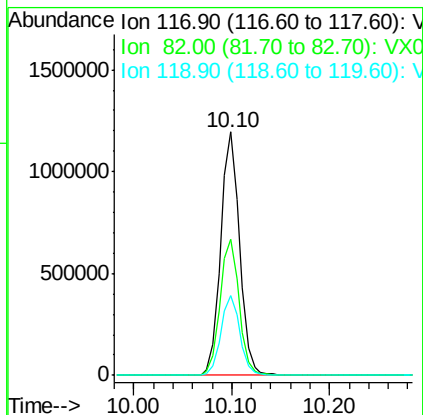
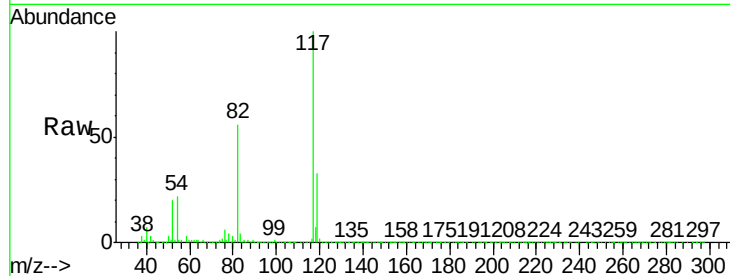




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. -0.00 min  
Lab File: VX015779.D  
Acq: 20 Apr 2020 20:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-5-S

Tot Ion:117 Resp: 1596818  
Ion Ratio Lower Upper  
117 100  
82 55.8 47.8 71.8  
119 32.6 26.8 40.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: VX015779.D  
Acq: 20 Apr 2020 20:21

Tgt Ion:152 Resp: 923560  
Ion Ratio Lower Upper  
152 100  
115 55.8 39.0 116.9  
150 148.9 0.0 340.8

