

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX080420\  
 Data File : VX017778.D  
 Acq On : 04 Aug 2020 18:05  
 Operator : JC/SP  
 Sample : PB130720ZHE#19  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB130720ZHE#19

Quant Time: Aug 05 03:34:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 2020  
 Response via : Initial Calibration

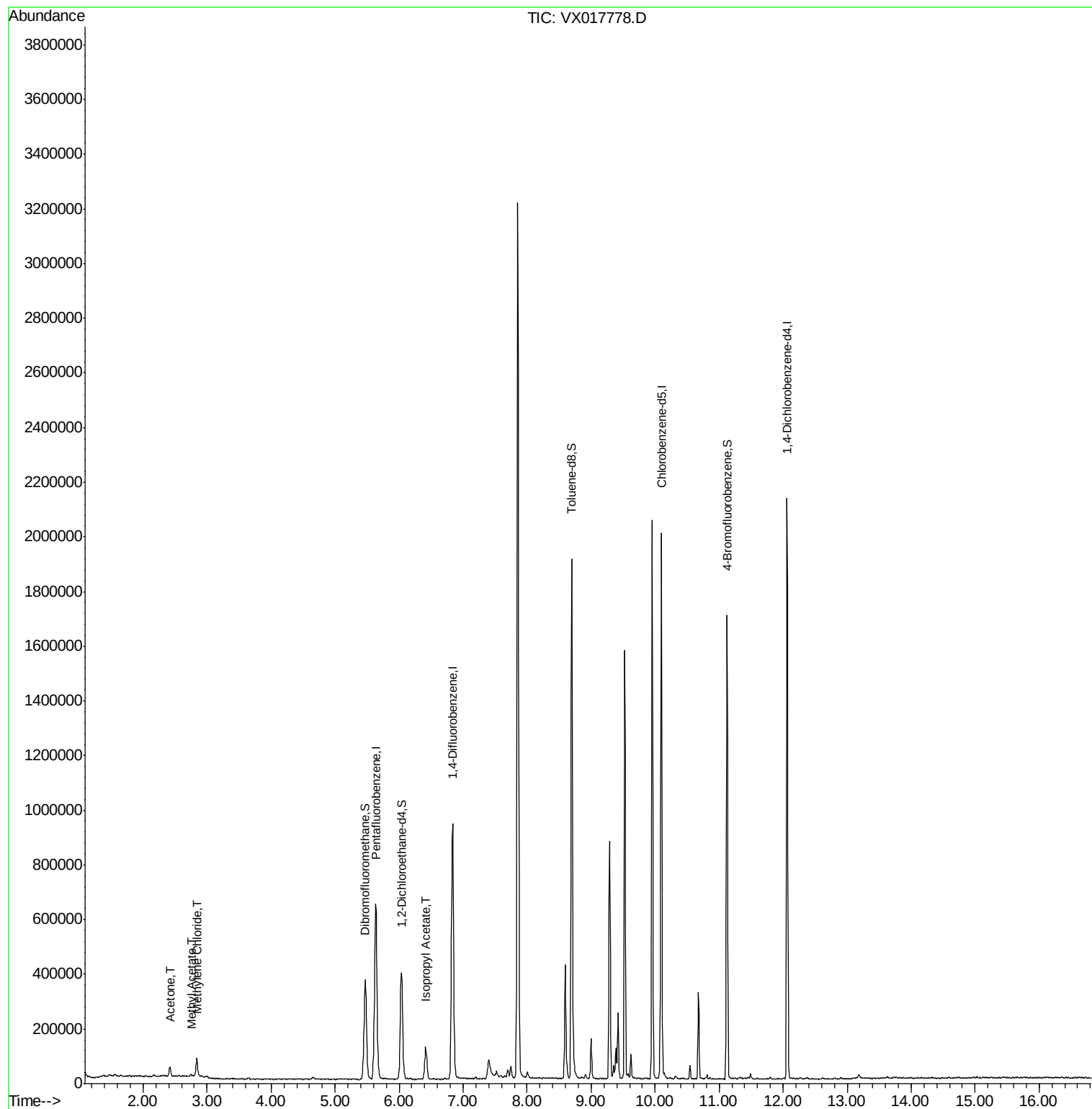
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 595016   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 929379   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 899442   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 431103   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 396207   | 51.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.68% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 311115   | 50.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.10% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1144187  | 51.03  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.06% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 421992   | 47.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.04%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.42  | 43   | 38285    | 11.381 | ug/l    | 100      |
| 18) Methyl Acetate          | 2.75  | 43   | 9753     | 1.231  | ug/l    | 96       |
| 20) Methylene Chloride      | 2.84  | 84   | 30629    | 3.644  | ug/l    | 92       |
| 43) Isopropyl Acetate       | 6.42  | 43   | 162149   | 10.077 | ug/l    | 99       |

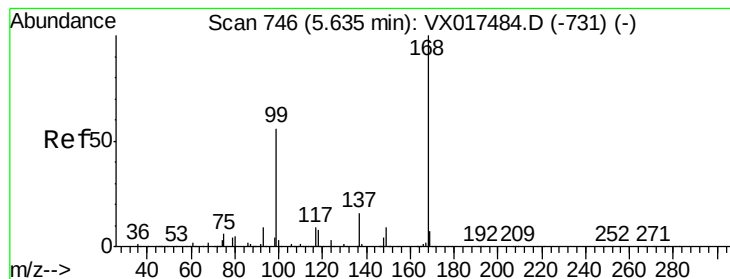
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jul 24 05:48:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 747

Delta R.T. 0.01 min

Lab File: VX017778.D

Acq: 04 Aug 2020 18:05

Instrument :

MSVOA\_X

ClientSampleId :

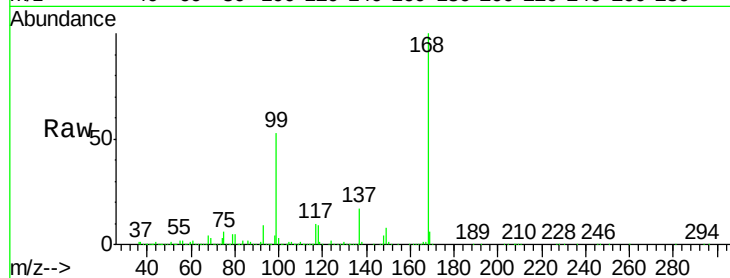
PB130720ZHE#19

Tgt Ion:168 Resp: 595016

Ion Ratio Lower Upper

168 100

99 52.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

150000

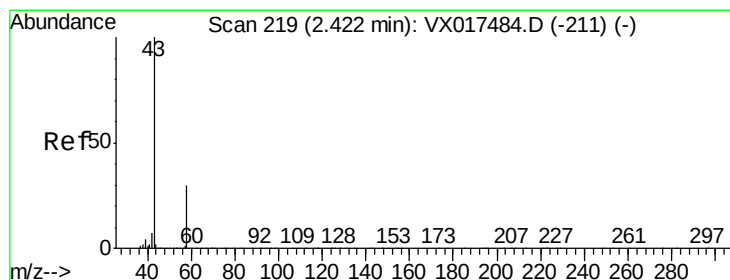
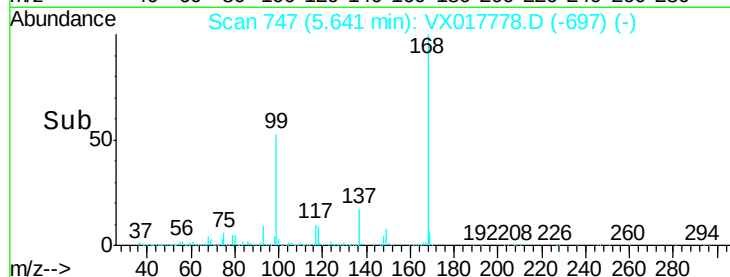
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 11.381 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017778.D

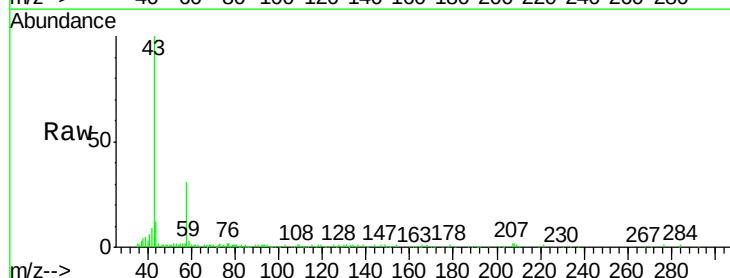
Acq: 04 Aug 2020 18:05

Tgt Ion: 43 Resp: 38285

Ion Ratio Lower Upper

43 100

58 30.2 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

25000

20000

15000

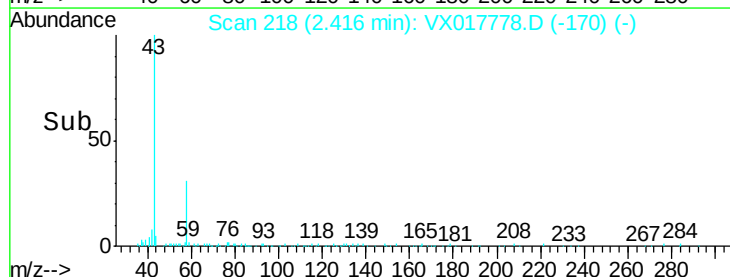
10000

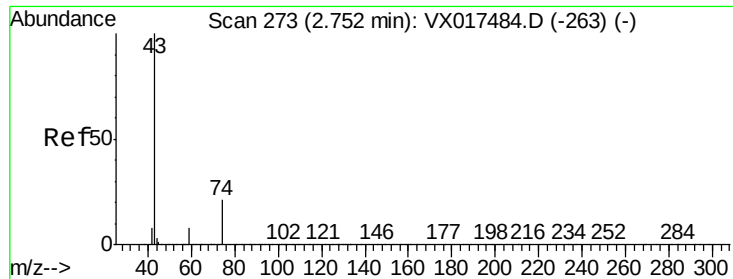
5000

0

Time-->

2.35 2.40 2.45

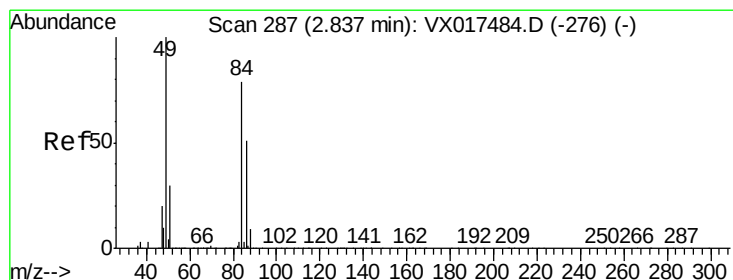
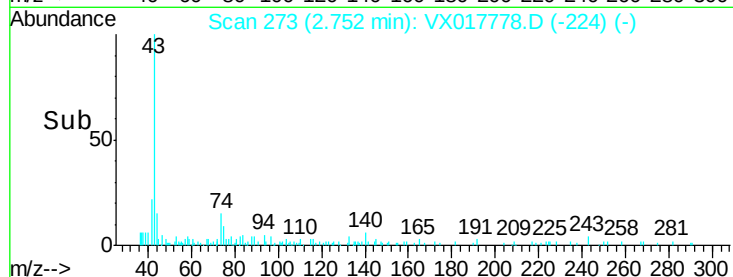
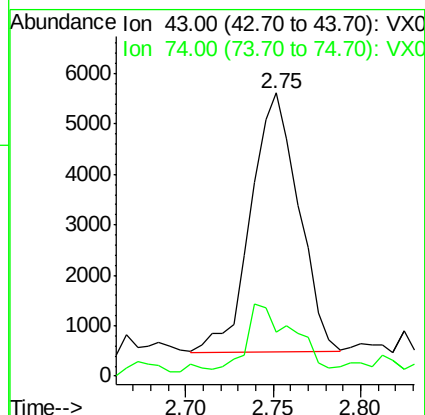
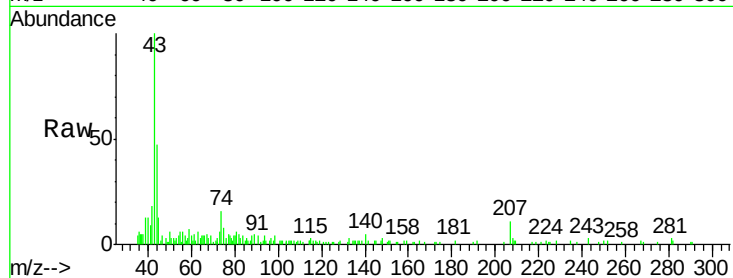




#18  
Methyl Acetate  
Concen: 1.231 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. -0.00 min  
Lab File: VX017778.D  
Acq: 04 Aug 2020 18:05

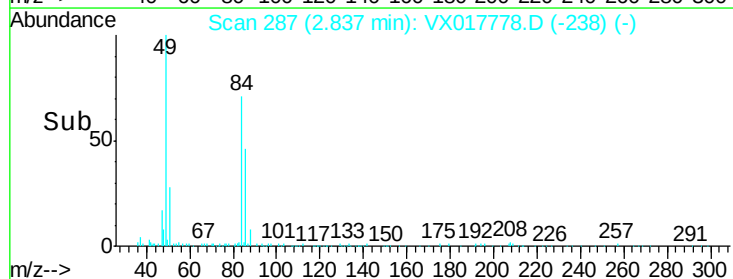
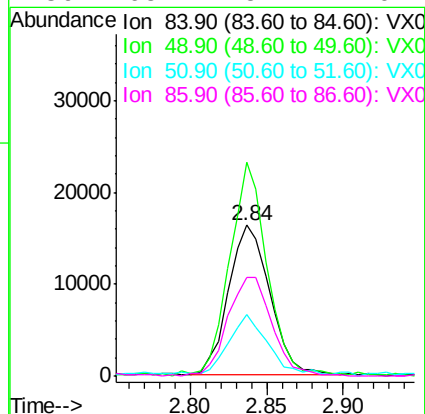
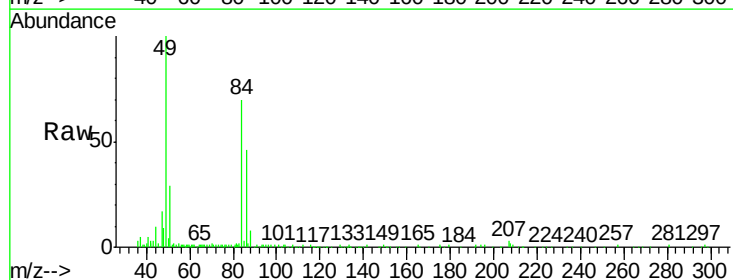
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB130720ZHE#19

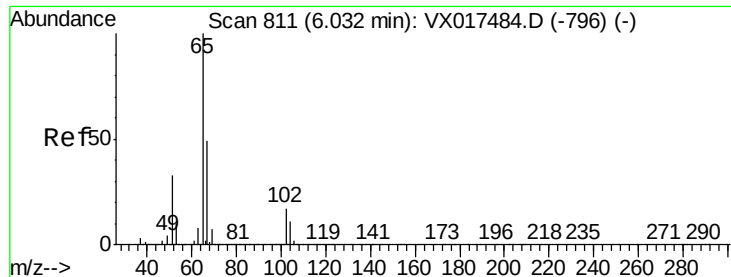
Tgt Ion: 43 Resp: 9753  
Ion Ratio Lower Upper  
43 100  
74 23.7 17.5 26.3



#20  
Methylene Chloride  
Concen: 3.644 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX017778.D  
Acq: 04 Aug 2020 18:05

Tgt Ion: 84 Resp: 30629  
Ion Ratio Lower Upper  
84 100  
49 141.0 100.3 150.5  
51 39.0 30.5 45.7  
86 65.2 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 51.838 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017778.D

Acq: 04 Aug 2020 18:05

Instrument :

MSVOA\_X

ClientSampleId :

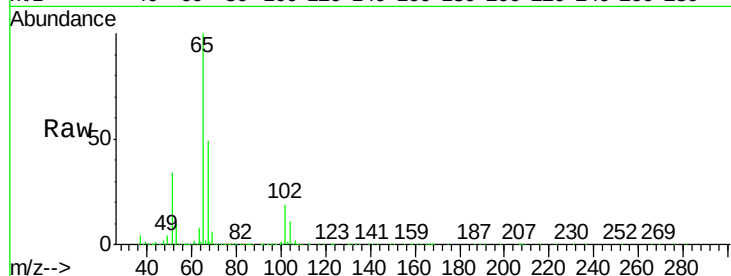
PB130720ZHE#19

Tgt Ion: 65 Resp: 396207

Ion Ratio Lower Upper

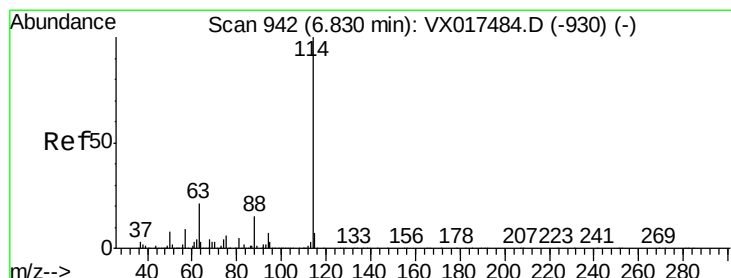
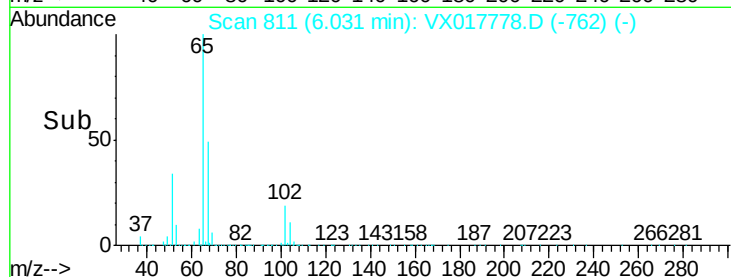
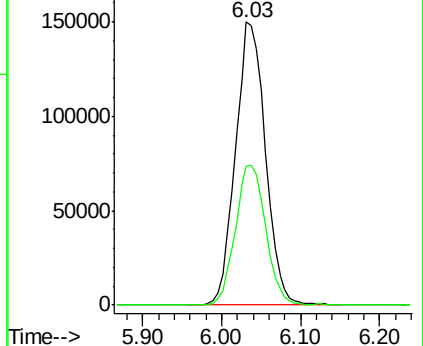
65 100

67 49.8 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017778.D

Acq: 04 Aug 2020 18:05

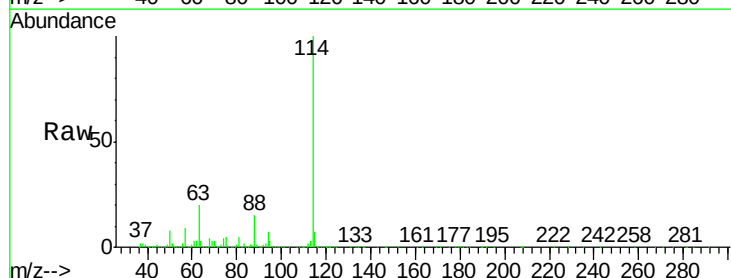
Tgt Ion: 114 Resp: 929379

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

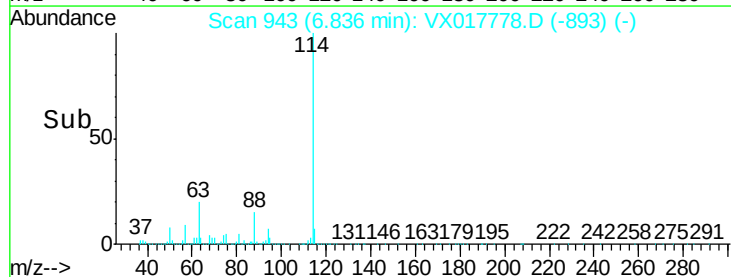
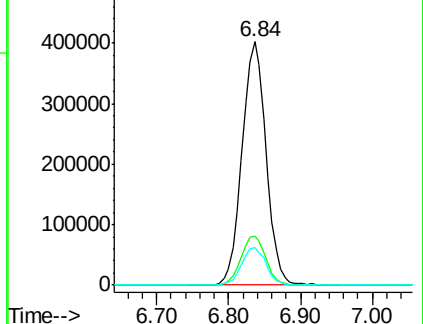
88 15.4 0.0 33.4

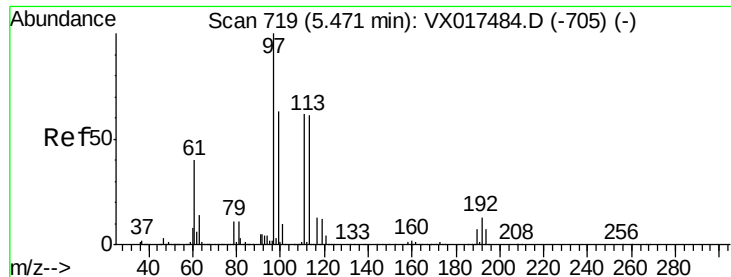


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

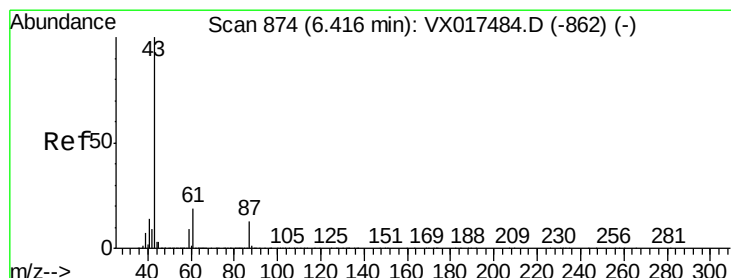
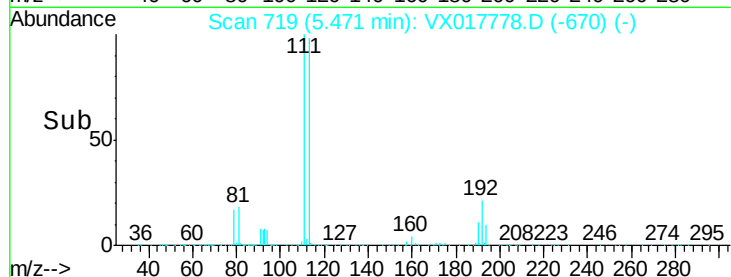
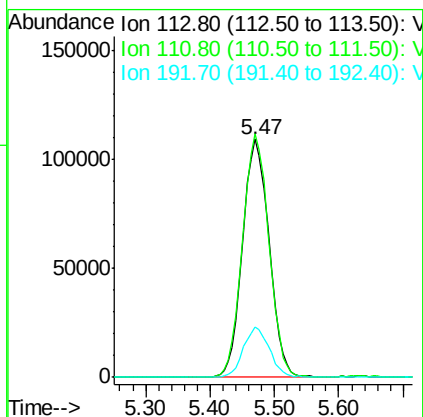
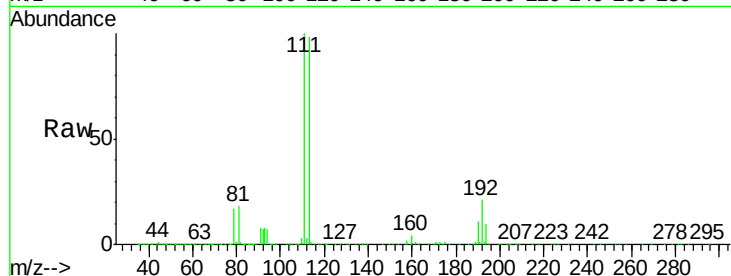




#35  
 Dibromofluoromethane  
 Concen: 50.053 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. -0.00 min  
 Lab File: VX017778.D  
 Acq: 04 Aug 2020 18:05

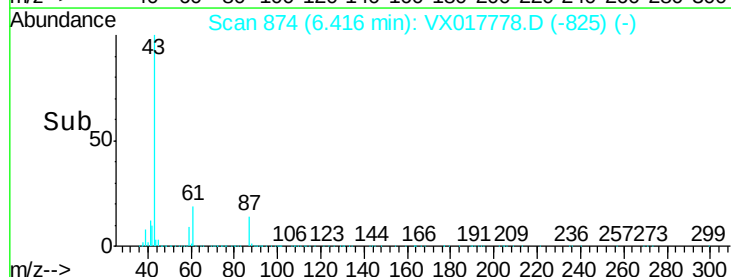
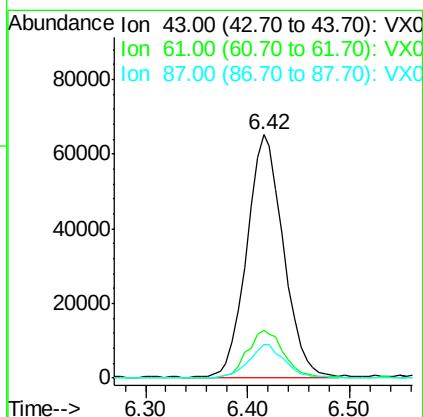
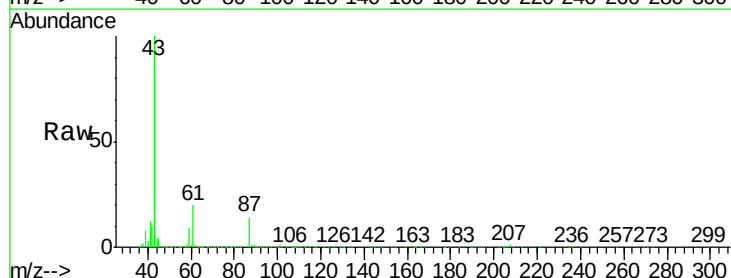
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB130720ZHE#19

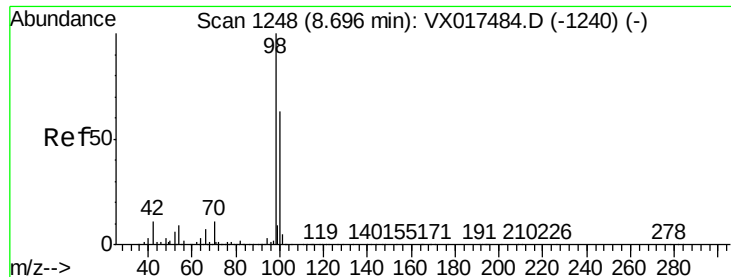
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 80.7  | 121.1 |
| 192     | 20.5  | 16.9  | 25.3  |



#43  
 Isopropyl Acetate  
 Concen: 10.077 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. -0.00 min  
 Lab File: VX017778.D  
 Acq: 04 Aug 2020 18:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.0  | 15.5  | 23.3  |
| 87      | 13.5  | 10.5  | 15.7  |





#50

Toluene-d8

Concen: 51.027 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017778.D

Acq: 04 Aug 2020 18:05

Instrument :

MSVOA\_X

ClientSampleId :

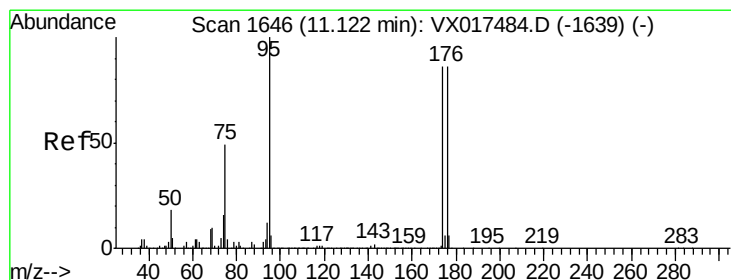
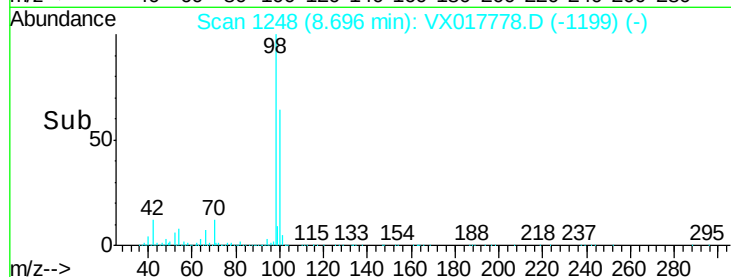
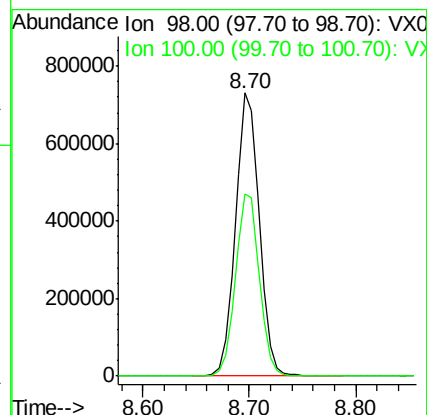
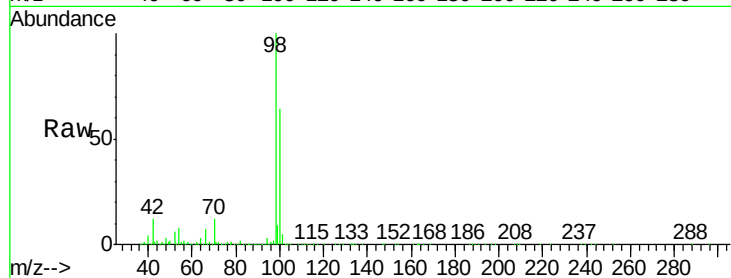
PB130720ZHE#19

Tgt Ion: 98 Resp: 1144187

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.025 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017778.D

Acq: 04 Aug 2020 18:05

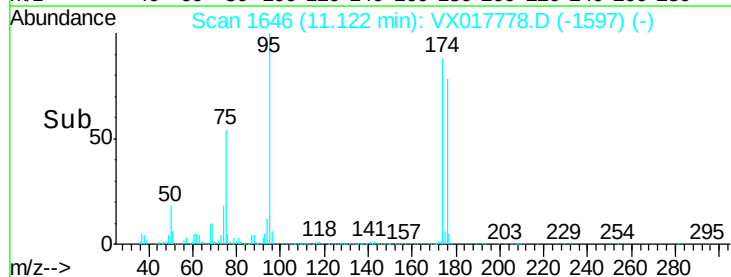
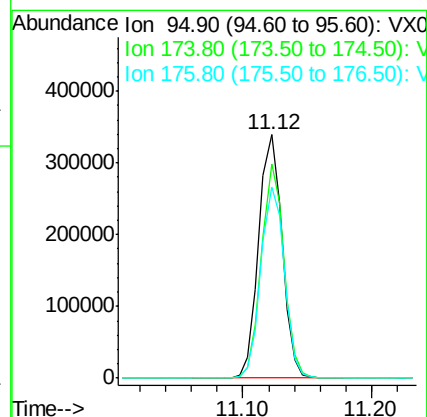
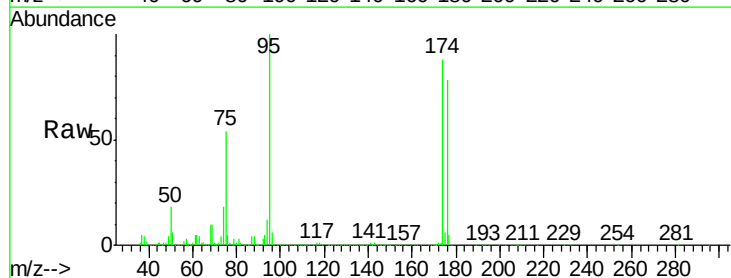
Tgt Ion: 95 Resp: 421992

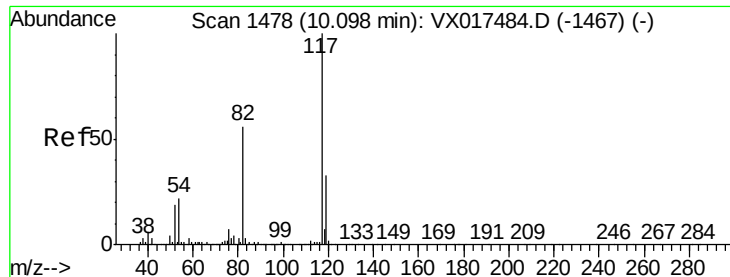
Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.0

176 79.2 0.0 161.0

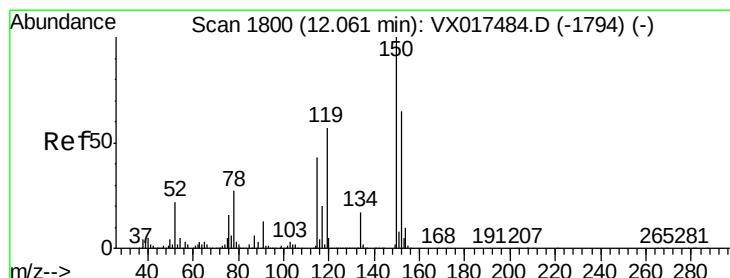
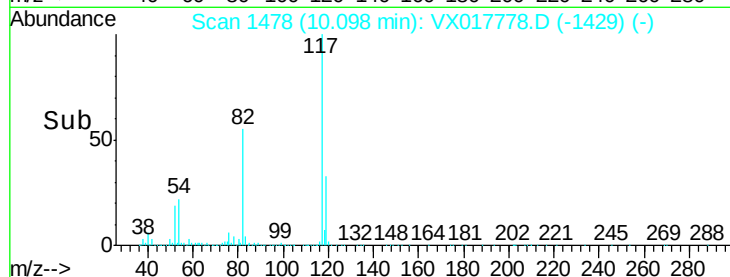
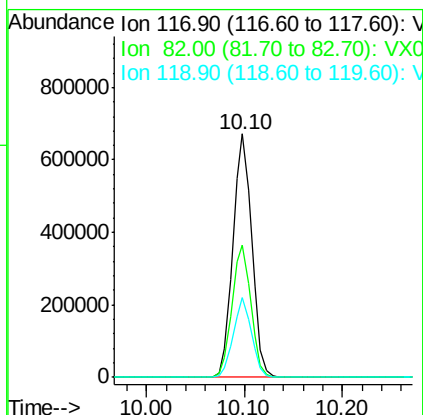
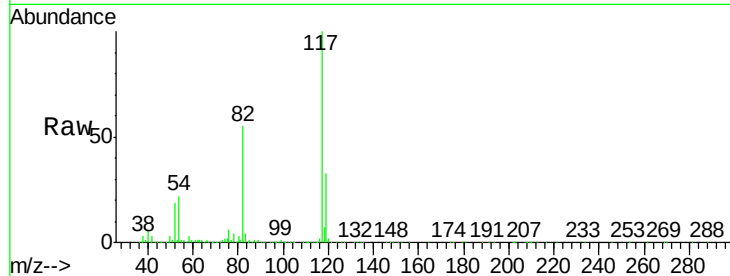




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017778.D  
Acq: 04 Aug 2020 18:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB130720ZHE#19

Tgt Ion:117 Resp: 899442  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.0 66.0  
119 32.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017778.D  
Acq: 04 Aug 2020 18:05

Tgt Ion:152 Resp: 431103  
Ion Ratio Lower Upper  
152 100  
115 59.1 65.5 196.6#  
150 157.5 0.0 412.6

