

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\  
 Data File : VX011441.D  
 Acq On : 11 Aug 2019 18:58  
 Operator : JC/SP  
 Sample : K4238-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-17

Quant Time: Aug 12 09:33:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

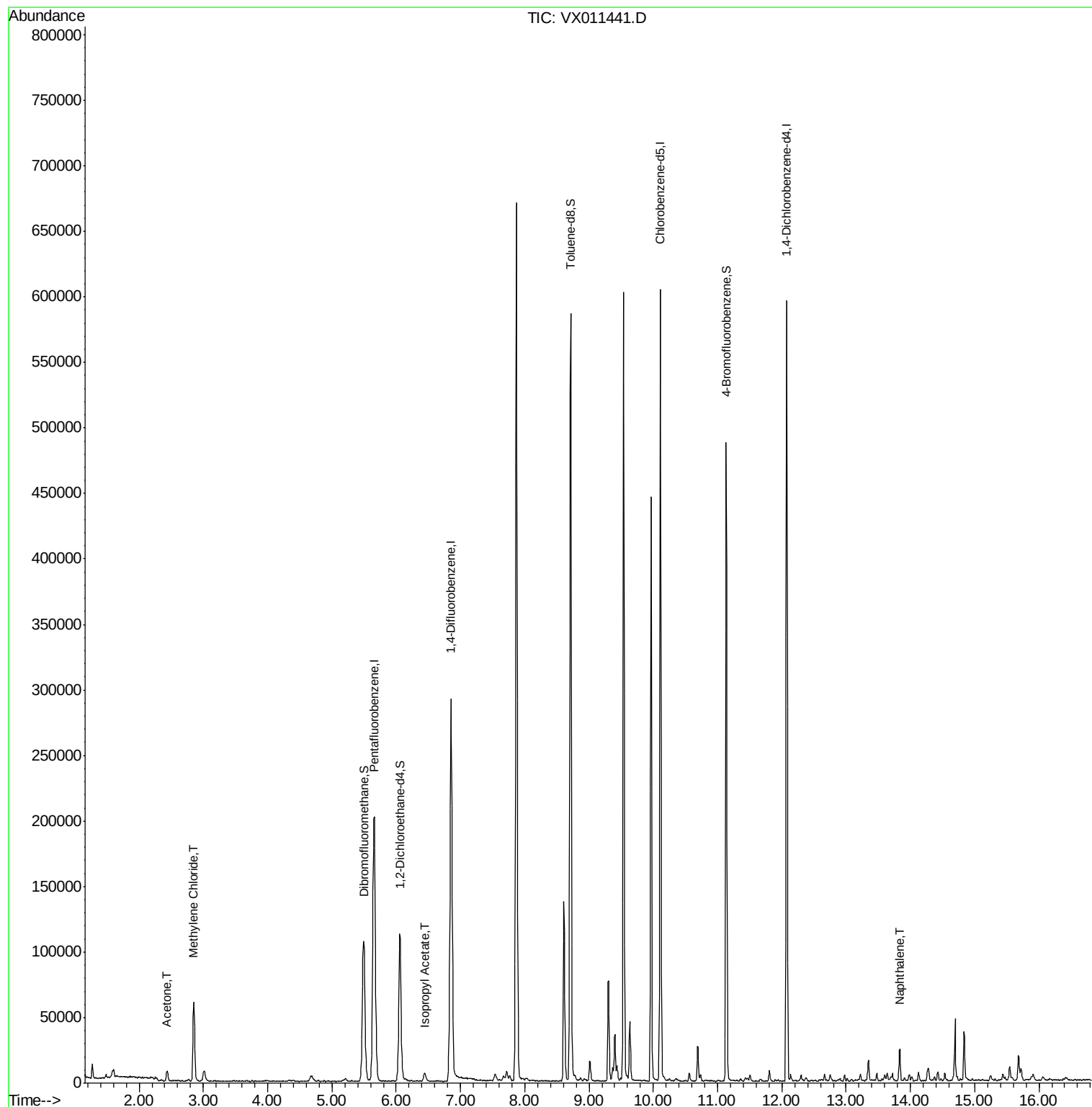
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 198941   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 295679   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 272140   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 123180   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 106293   | 53.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.12% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 91045    | 47.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.32%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 353702   | 48.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.08%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 117413   | 45.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.26%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.43  | 43   | 7863     | 8.246  | ug/l #  | 85       |
| 20) Methylene Chloride      | 2.85  | 84   | 28851    | 13.815 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 8853     | 2.138  | ug/l    | 97       |
| 95) Naphthalene             | 13.83 | 128  | 15421    | 1.917  | ug/l    | 97       |

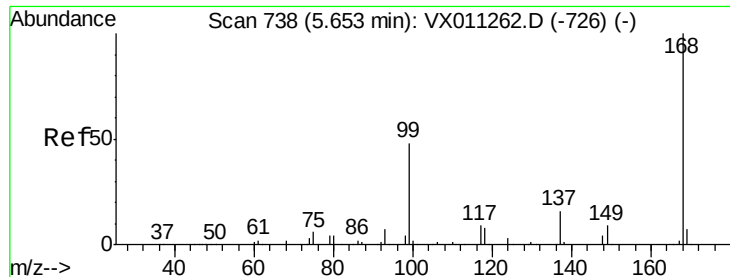
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampled :  
TP-17

Quant Time: Aug 12 09:33:37 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011441.D

Acq: 11 Aug 2019 18:58

Instrument :

MSVOA\_X

ClientSampled :

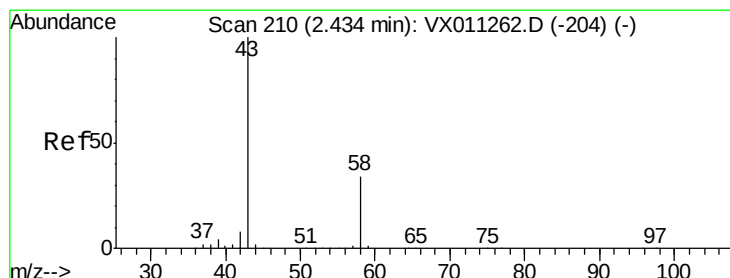
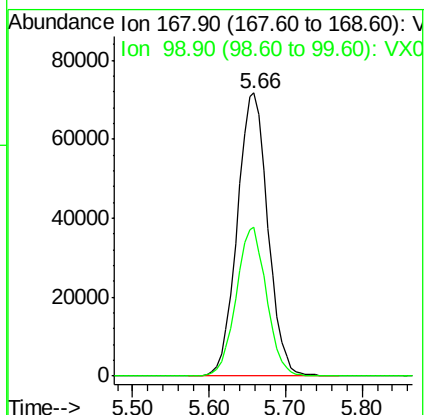
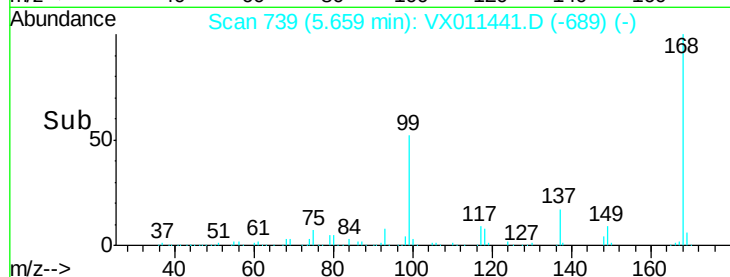
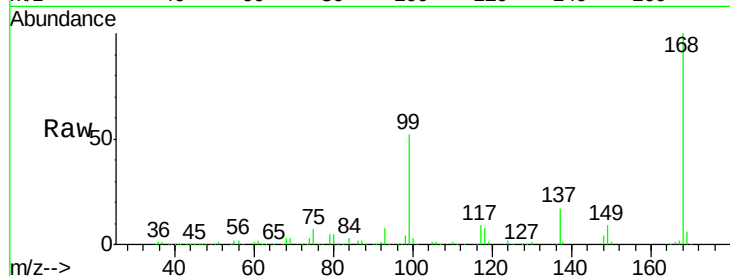
TP-17

Tot Ion:168 Resp: 198941

Ion Ratio Lower Upper

168 100

99 52.5 38.5 57.7



#16

Acetone

Concen: 8.246 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011441.D

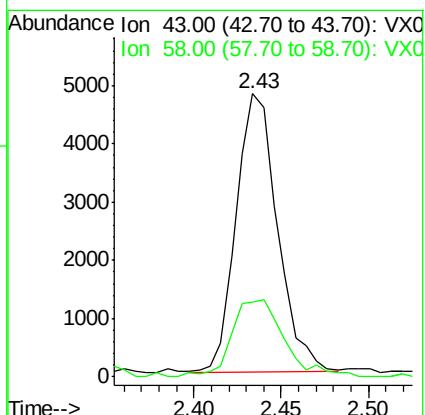
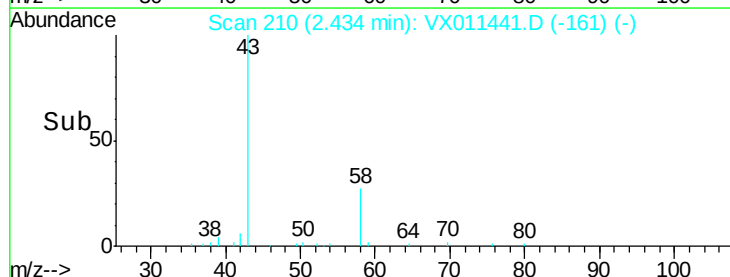
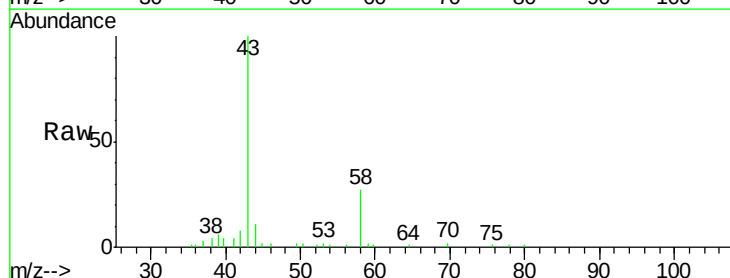
Acq: 11 Aug 2019 18:58

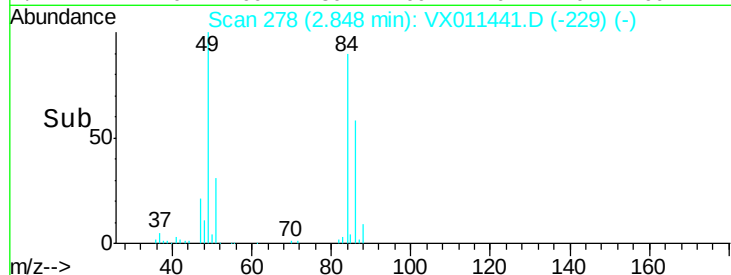
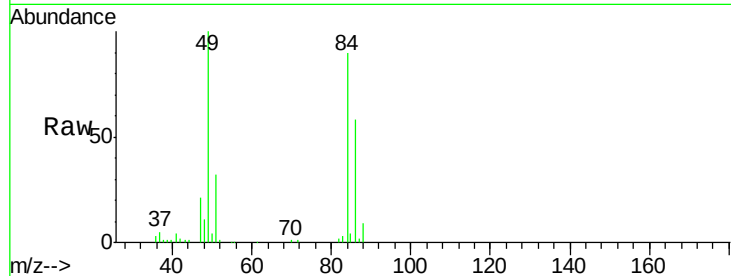
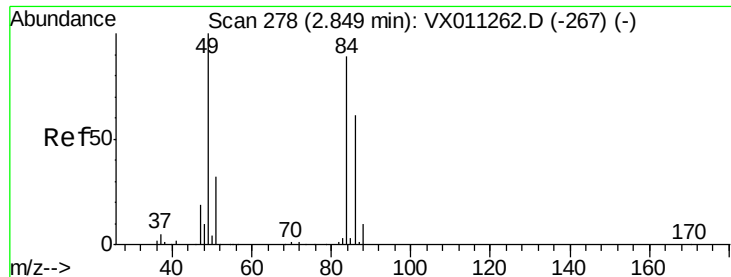
Tgt Ion: 43 Resp: 7863

Ion Ratio Lower Upper

43 100

58 25.5 27.4 41.0#

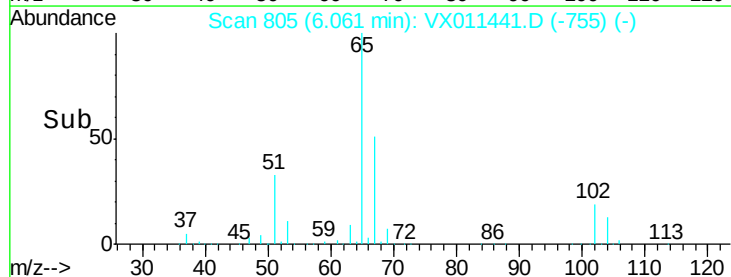
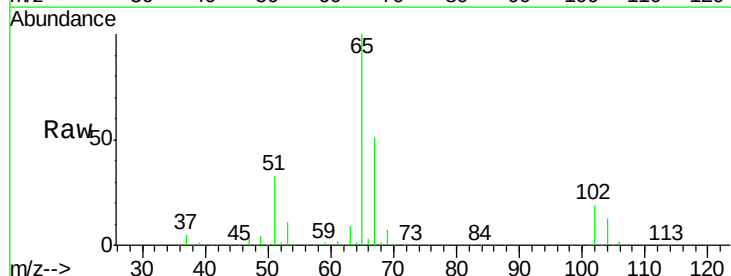
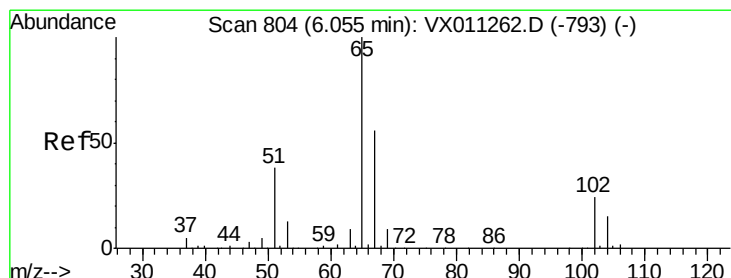
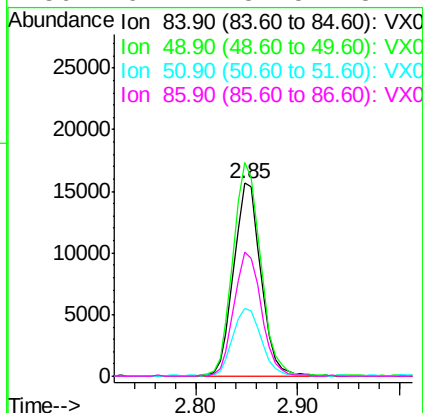




#20  
Methylene Chloride  
Concen: 13.815 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. -0.00 min  
Lab File: VX011441.D  
Acq: 11 Aug 2019 18:58

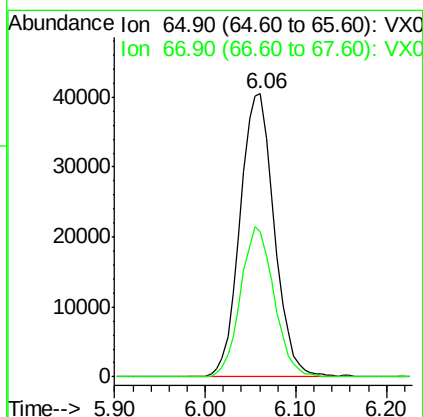
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

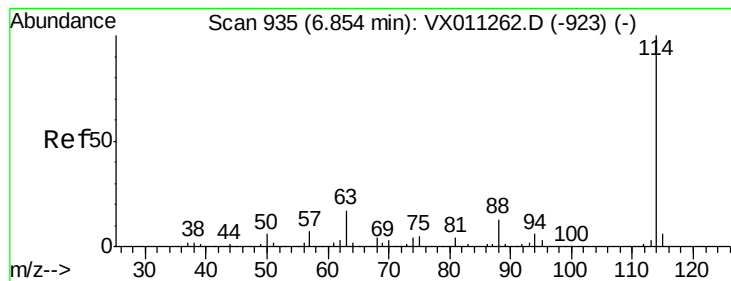
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 28851 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.8 | 89.3  | 133.9 |
| 51       | 34.8  | 28.3  | 42.5  |
| 86       | 64.2  | 54.5  | 81.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 53.055 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.01 min  
Lab File: VX011441.D  
Acq: 11 Aug 2019 18:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 106293 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.2  | 0.0   | 110.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011441.D

Acq: 11 Aug 2019 18:58

Instrument :

MSVOA\_X

ClientSampleId :

TP-17

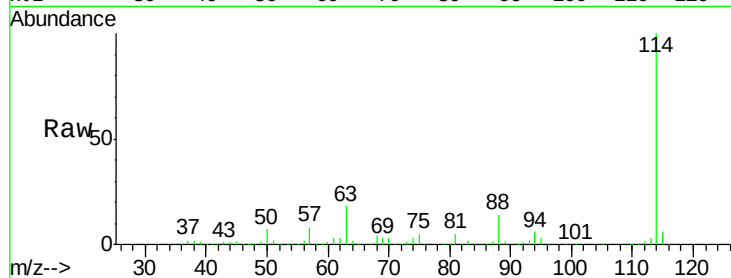
Tot Ion:114 Resp: 295679

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

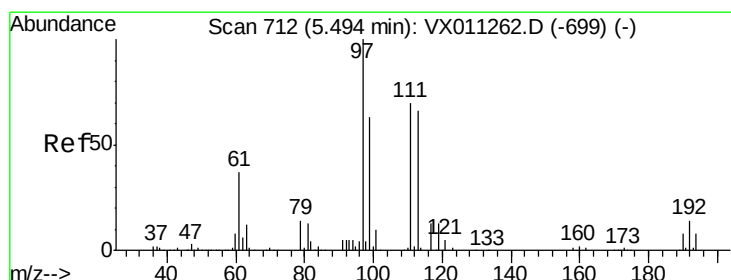
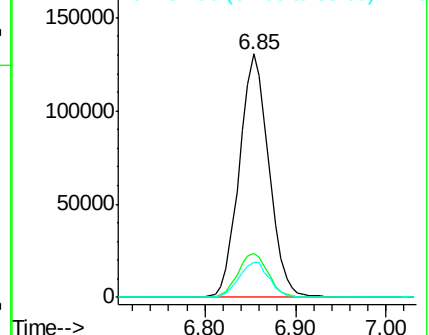
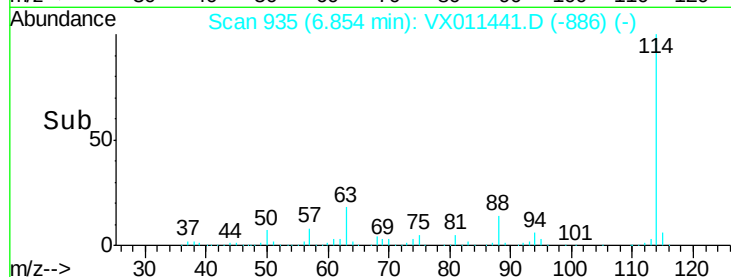
88 14.4 0.0 26.4



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: 47.163 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011441.D

Acq: 11 Aug 2019 18:58

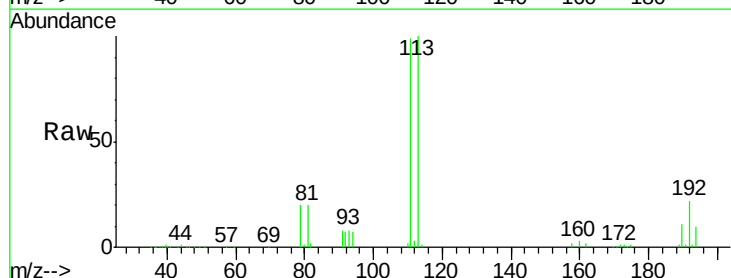
Tgt Ion:113 Resp: 91045

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

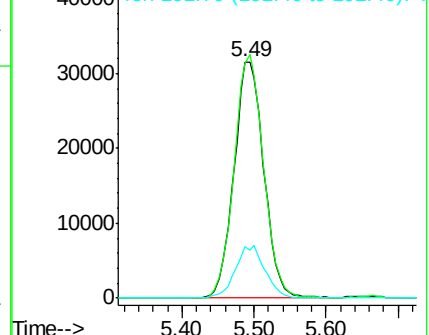
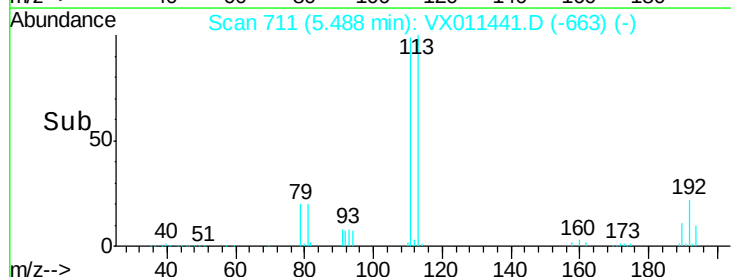
192 21.9 17.8 26.8

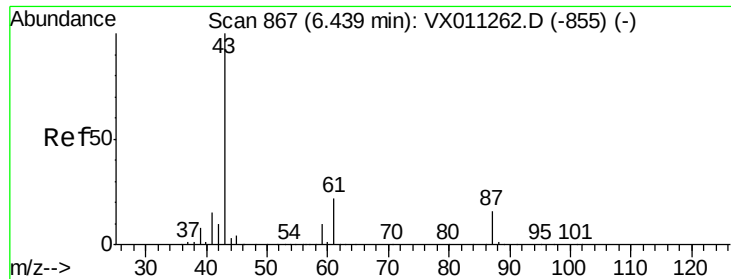


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.138 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011441.D

Acq: 11 Aug 2019 18:58

Instrument :

MSVOA\_X

ClientSampleId :

TP-17

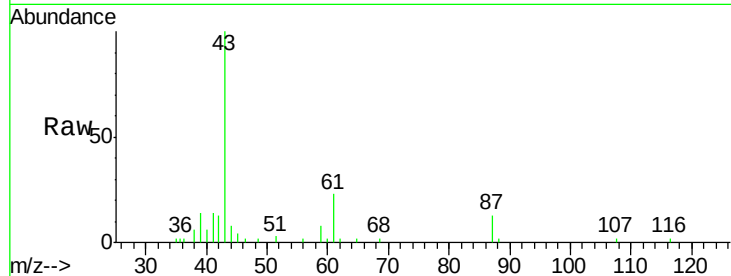
Tot Ion: 43 Resp: 8853

Ion Ratio Lower Upper

43 100

61 22.7 16.5 24.7

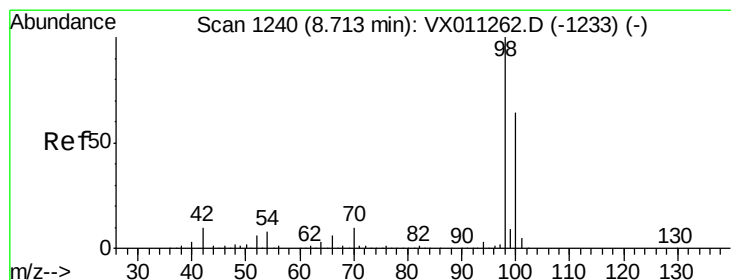
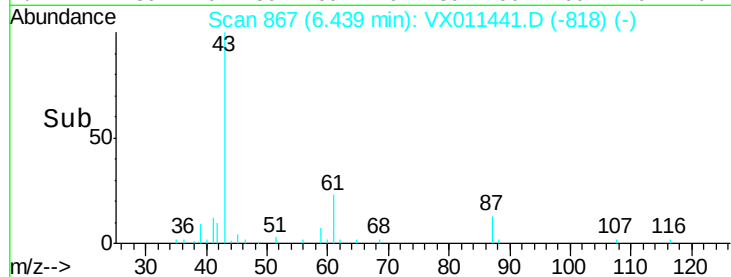
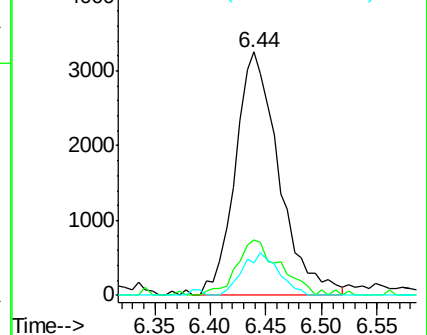
87 14.6 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.540 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011441.D

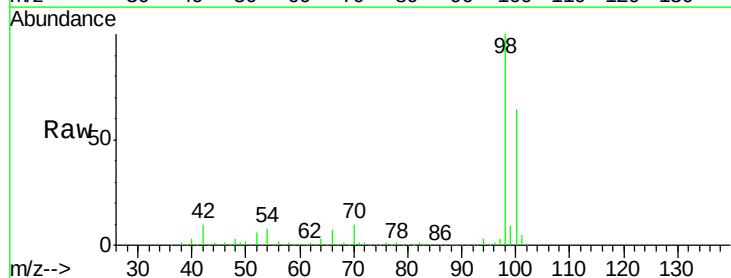
Acq: 11 Aug 2019 18:58

Tgt Ion: 98 Resp: 353702

Ion Ratio Lower Upper

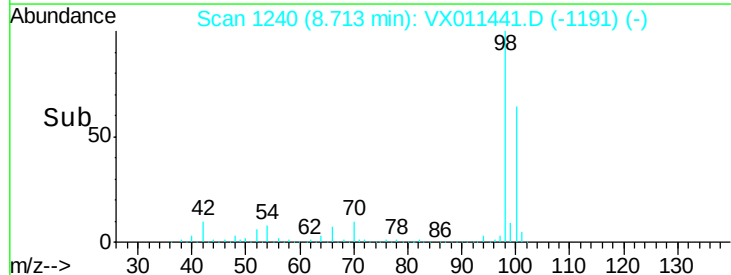
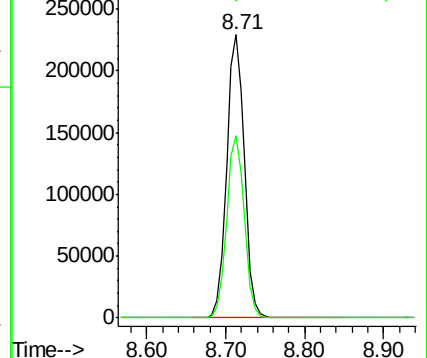
98 100

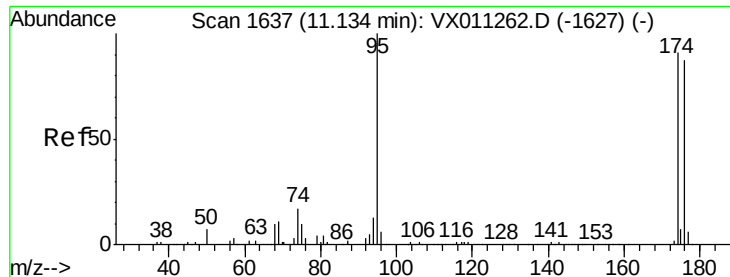
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

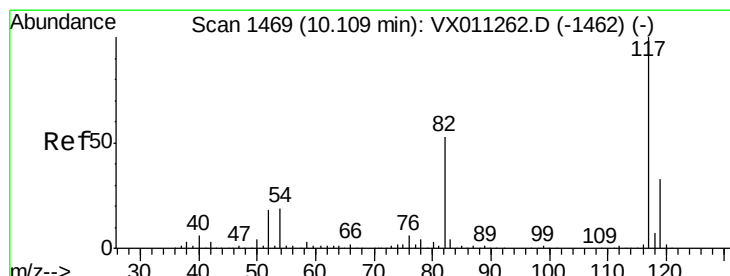
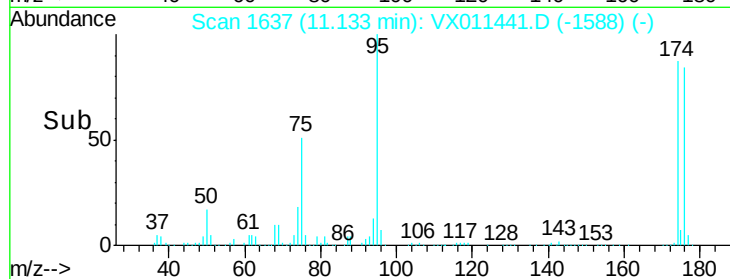
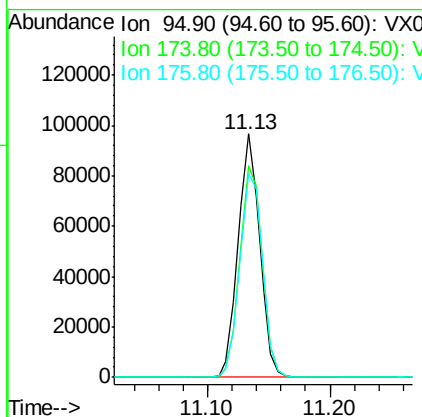
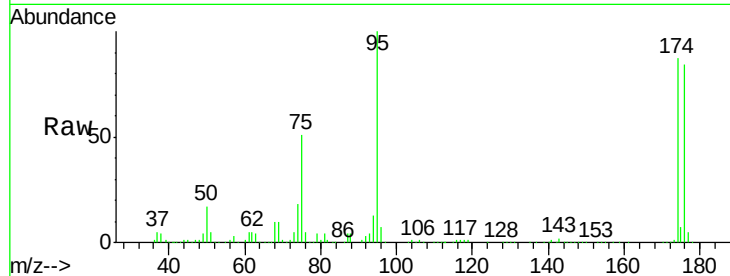




#62  
4-Bromofluorobenzene  
Concen: 45.131 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX011441.D  
Acq: 11 Aug 2019 18:58

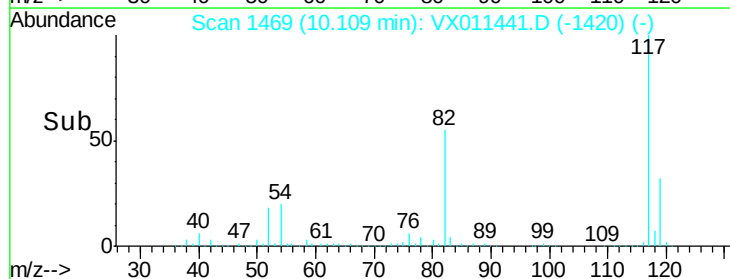
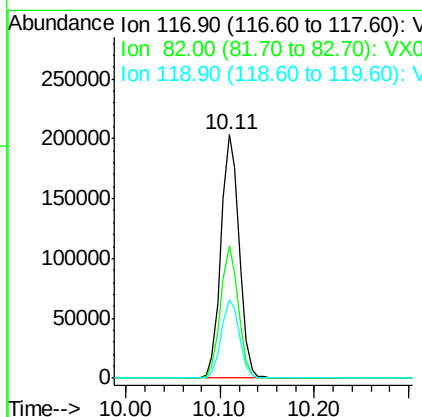
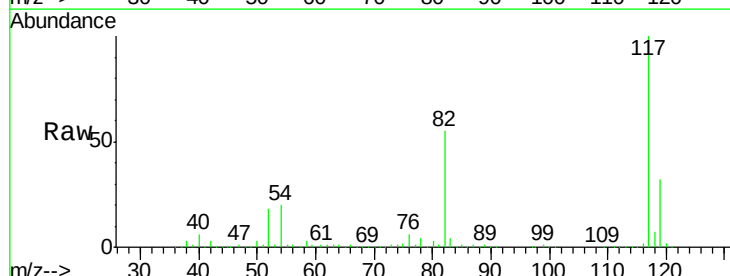
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

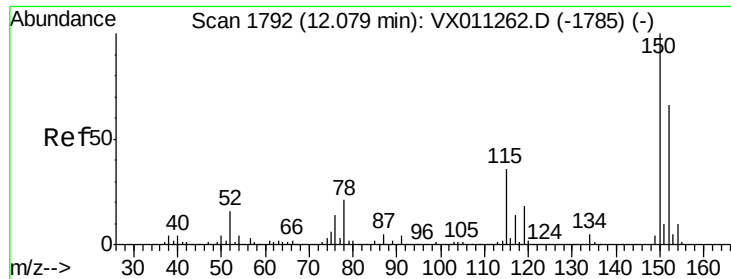
Tot Ion: 95 Resp: 117413  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 191.2  
176 88.8 0.0 184.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX011441.D  
Acq: 11 Aug 2019 18:58

Tgt Ion: 117 Resp: 272140  
Ion Ratio Lower Upper  
117 100  
82 54.6 42.2 63.2  
119 32.2 26.6 39.8



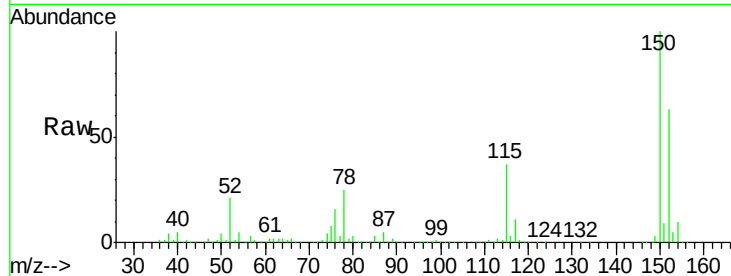


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1791  
Delta R.T. -0.01 min  
Lab File: VX011441.D  
Acq: 11 Aug 2019 18:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.9  | 40.0  | 119.9 |
| 150     | 156.7 | 0.0   | 350.4 |

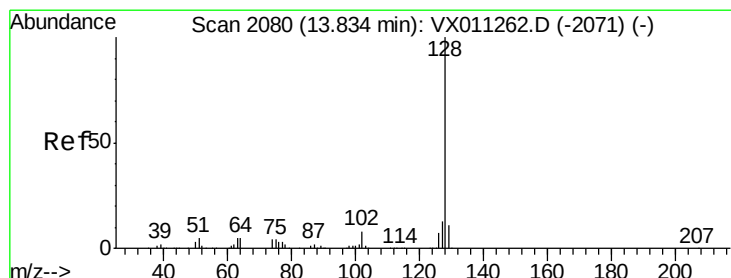
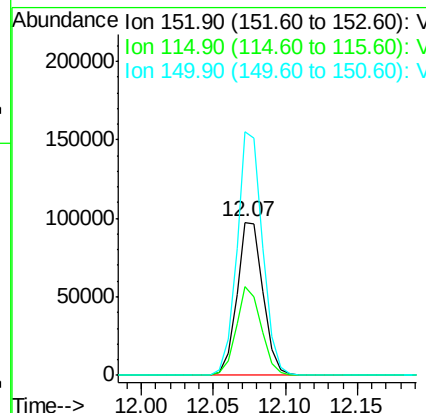
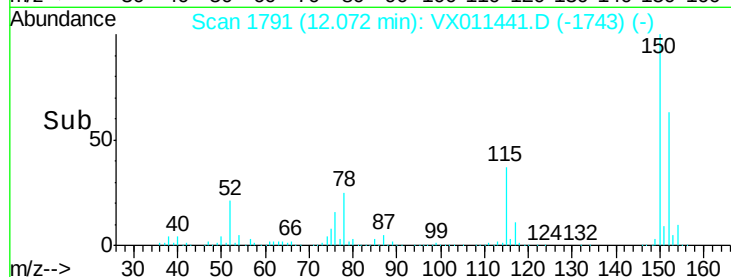


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

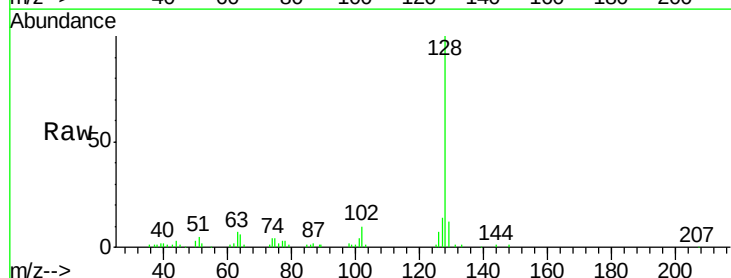
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene  
Concen: 1.917 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX011441.D  
Acq: 11 Aug 2019 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.4  | 15.6  |
| 129     | 12.6  | 8.9   | 13.3  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

