

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072020\  
 Data File : VX017435.D  
 Acq On : 20 Jul 2020 15:42  
 Operator : JC/SP  
 Sample : L3329-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ERM-16R

Quant Time: Jul 21 02:29:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 14 02:59:51 2020  
 Response via : Initial Calibration

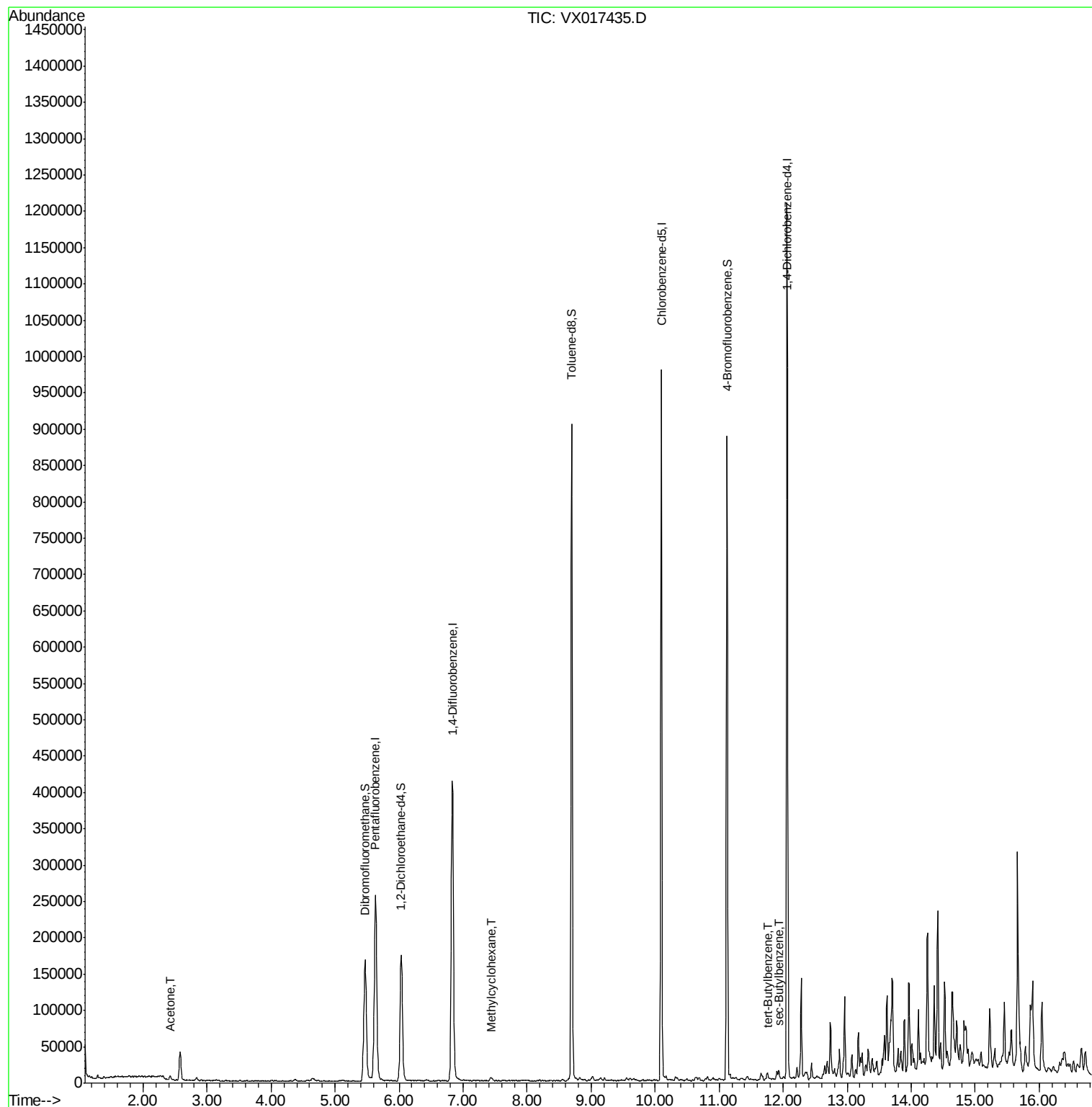
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 240542   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 422362   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 439443   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 241675   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 166001   | 54.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.98% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 145051   | 50.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.96% |          |
| 50) Toluene-d8              | 8.70  | 98   | 522026   | 50.87 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.74% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 222079   | 54.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.96% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 6665     | 6.188 | ug/l    | 89       |
| 39) Methylcyclohexane       | 7.43  | 83   | 1917     | 0.454 | ug/l    | 88       |
| 83) tert-Butylbenzene       | 11.76 | 119  | 3138     | 0.252 | ug/l    | 77       |
| 85) sec-Butylbenzene        | 11.93 | 105  | 5131     | 0.353 | ug/l    | 95       |

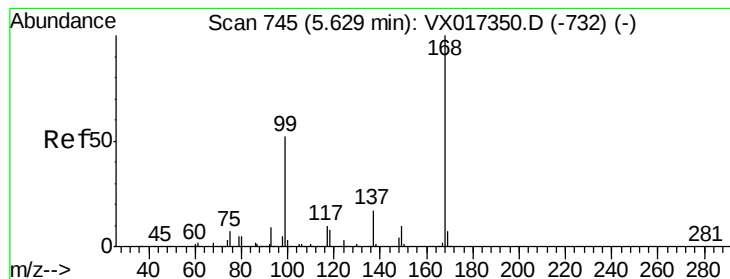
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA\_X

ClientSampleId :

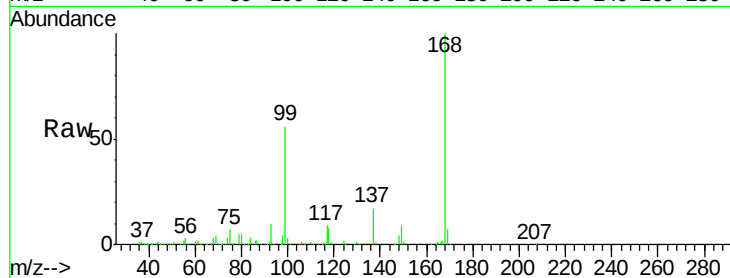
ERM-16R

Tot Ion:168 Resp: 240542

Ion Ratio Lower Upper

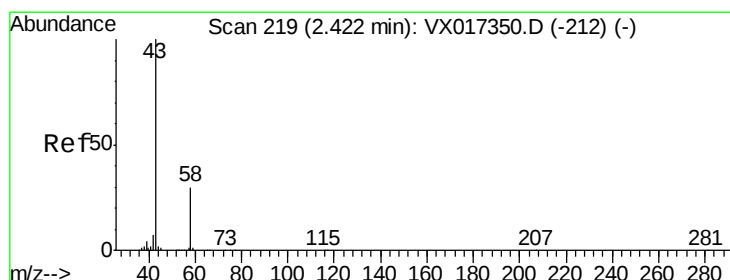
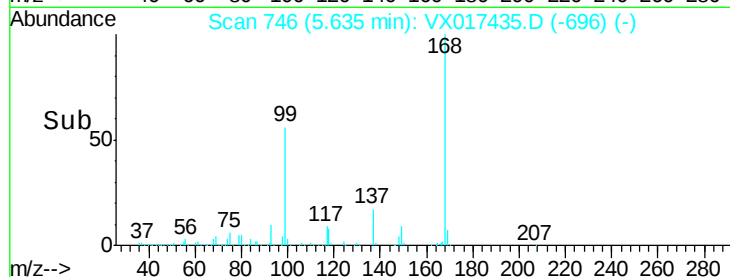
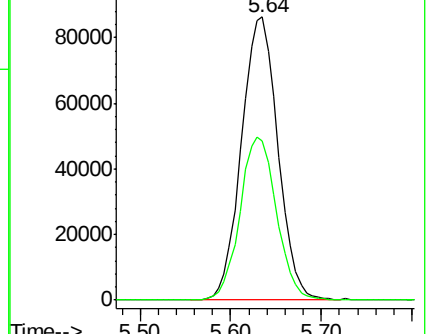
168 100

99 56.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 6.188 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017435.D

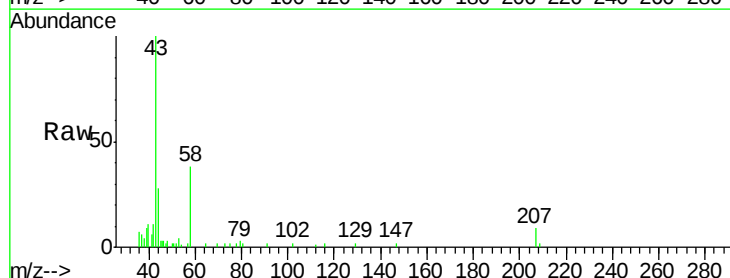
Acq: 20 Jul 2020 15:42

Tgt Ion: 43 Resp: 6665

Ion Ratio Lower Upper

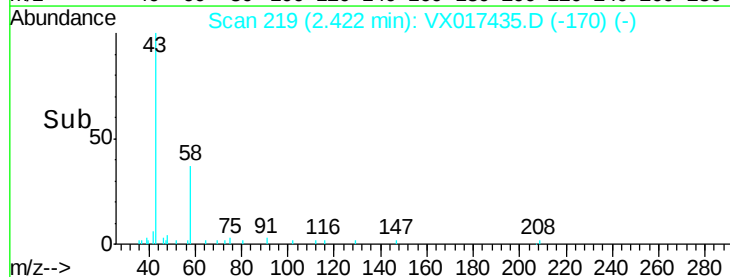
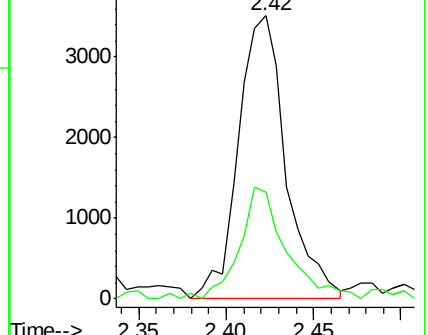
43 100

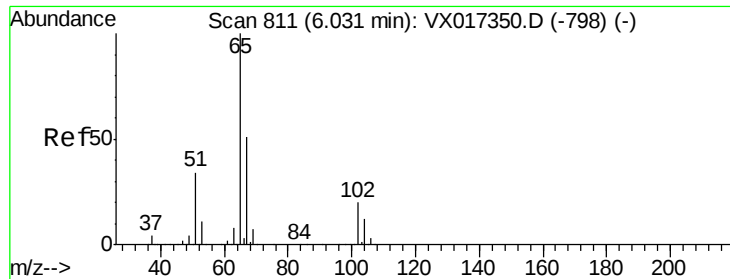
58 35.9 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

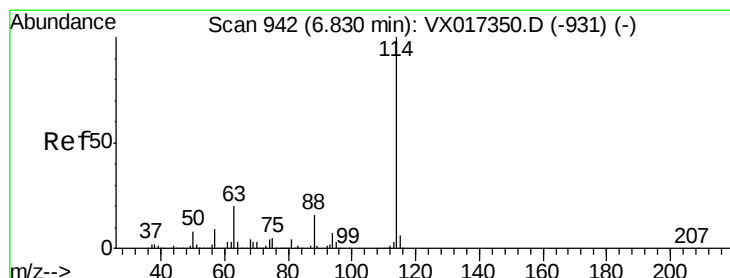
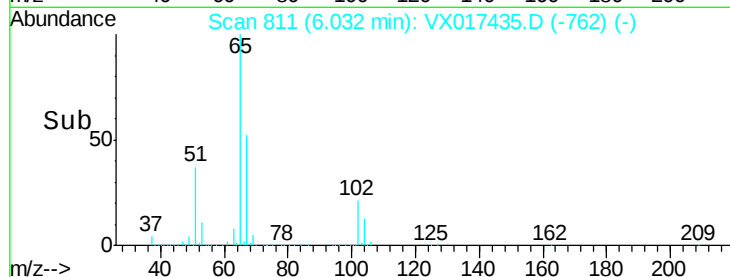
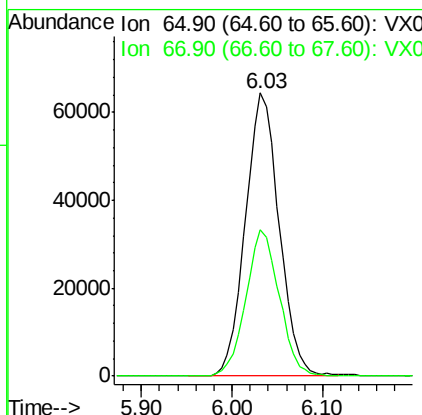
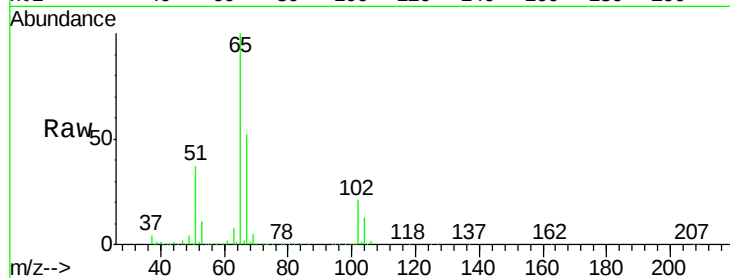




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.985 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX017435.D  
 Acq: 20 Jul 2020 15:42

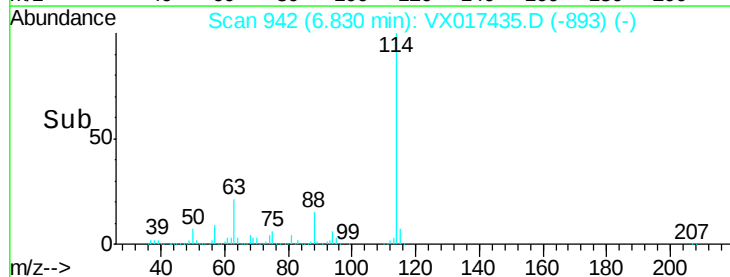
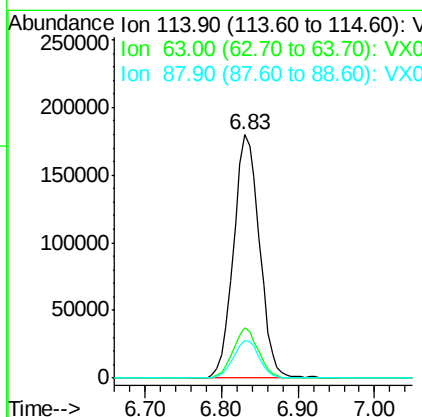
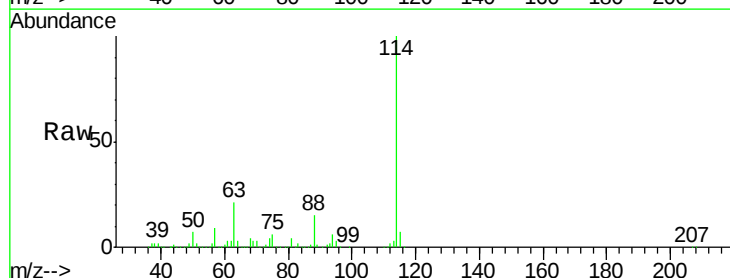
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ERM-16R

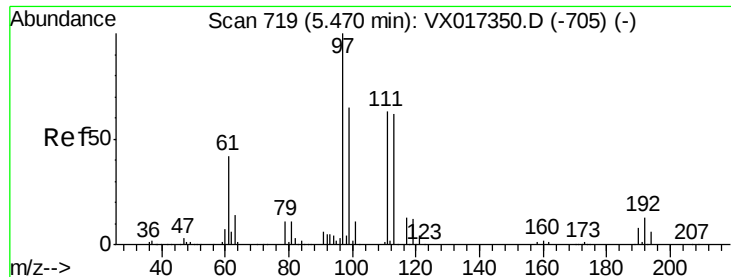
Tot Ion: 65 Resp: 166001  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX017435.D  
 Acq: 20 Jul 2020 15:42

Tgt Ion: 114 Resp: 422362  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 40.0  
 88 15.4 0.0 32.8

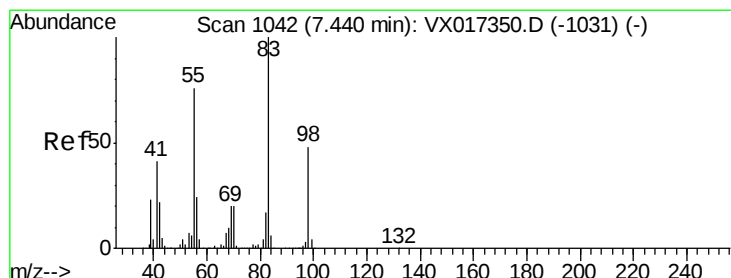
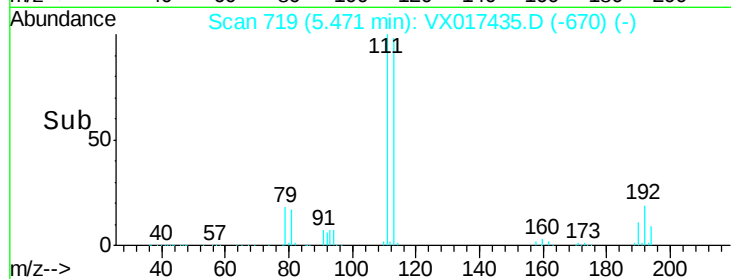
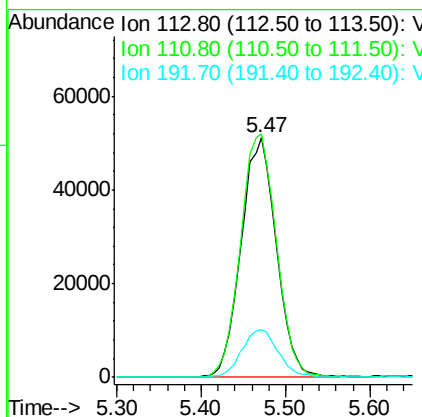
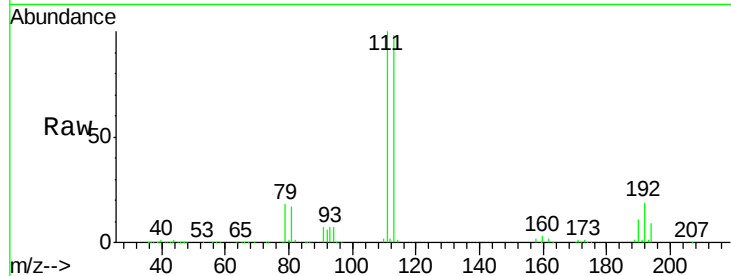




#35  
 Dibromofluoromethane  
 Concen: 50.983 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. 0.00 min  
 Lab File: VX017435.D  
 Acq: 20 Jul 2020 15:42

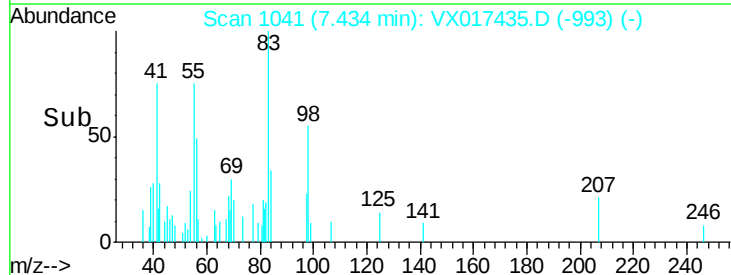
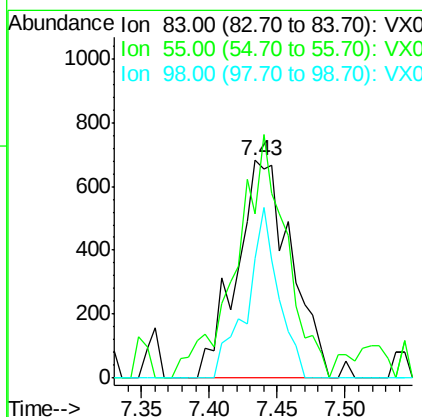
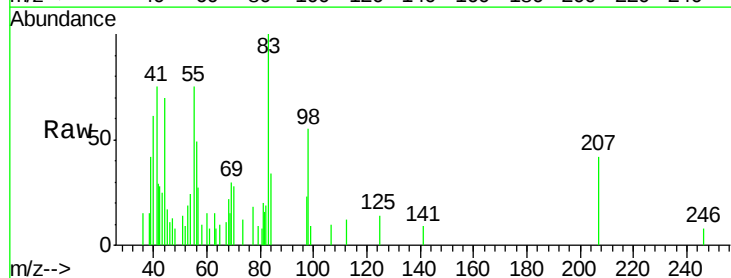
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ERM-16R

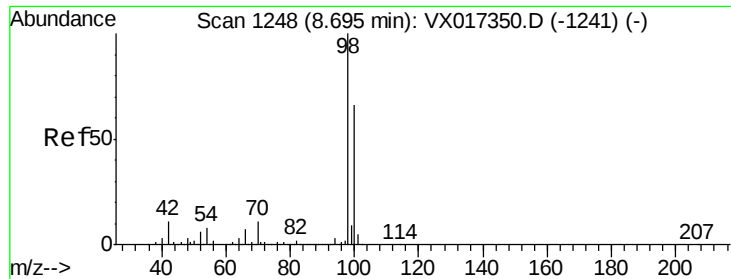
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 82.4  | 123.6 |
| 192     | 20.5  | 17.2  | 25.8  |



#39  
 Methylcyclohexane  
 Concen: 0.454 ug/l  
 RT: 7.43 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: VX017435.D  
 Acq: 20 Jul 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 65.5  | 61.2  | 91.8  |
| 98      | 55.1  | 38.1  | 57.1  |





#50

Toluene-d8

Concen: 50.866 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

Instrument :

MSVOA\_X

ClientSampleId :

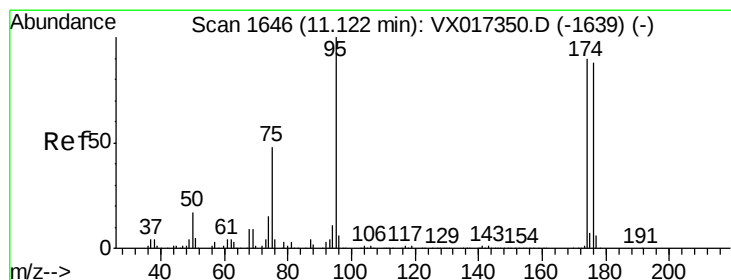
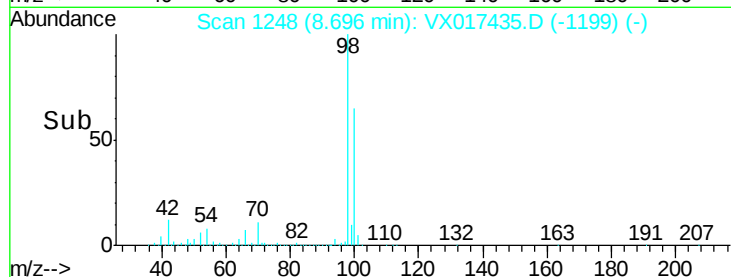
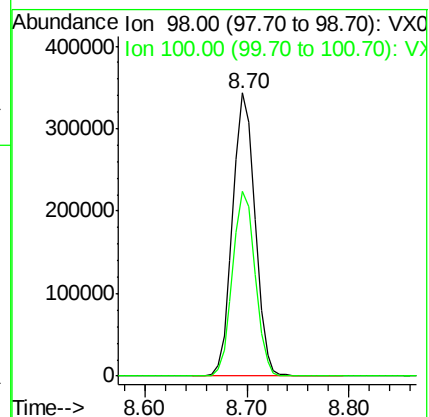
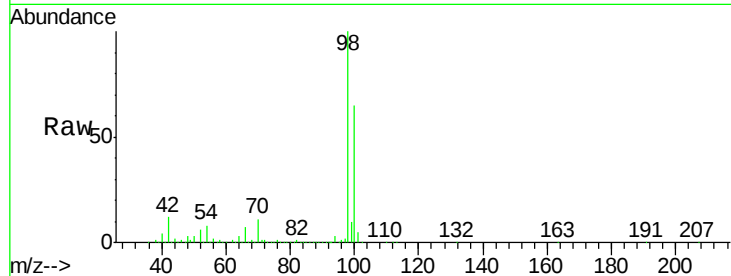
ERM-16R

Tot Ion: 98 Resp: 522026

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 54.478 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017435.D

Acq: 20 Jul 2020 15:42

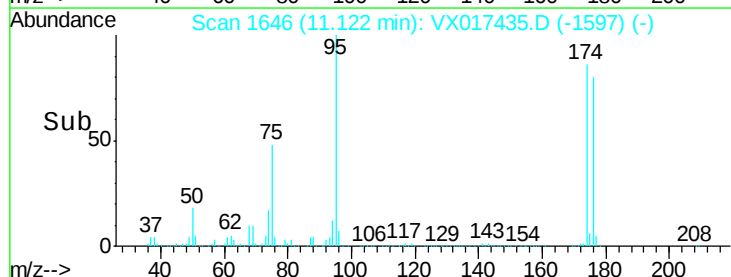
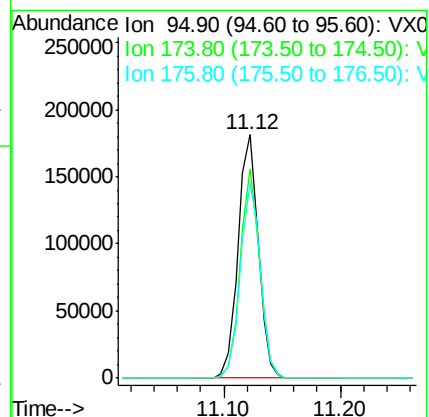
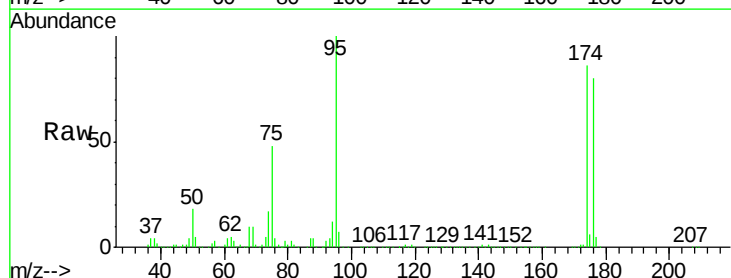
Tgt Ion: 95 Resp: 222079

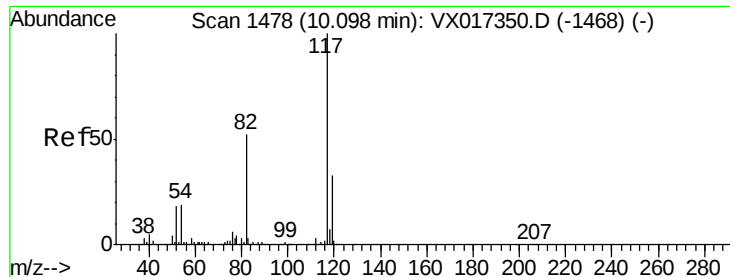
Ion Ratio Lower Upper

95 100

174 82.6 0.0 175.8

176 79.3 0.0 164.6

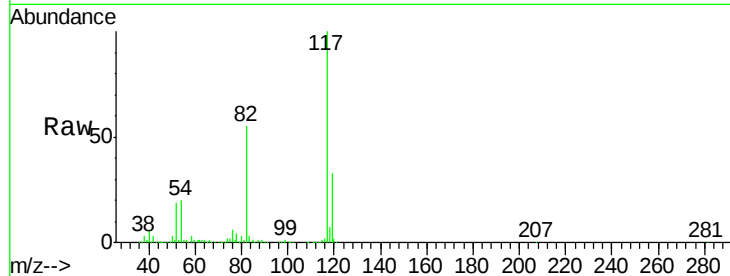




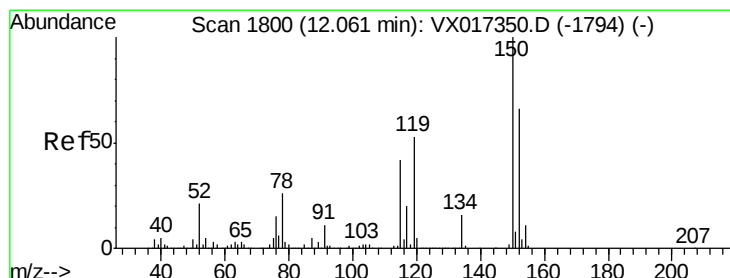
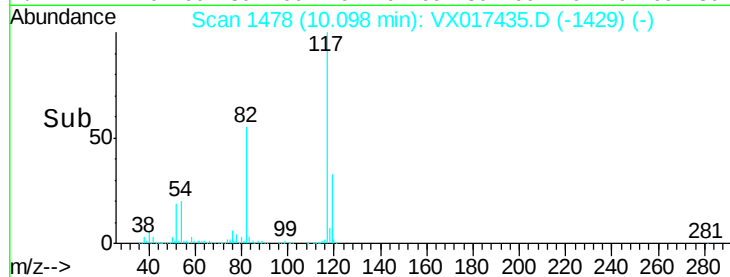
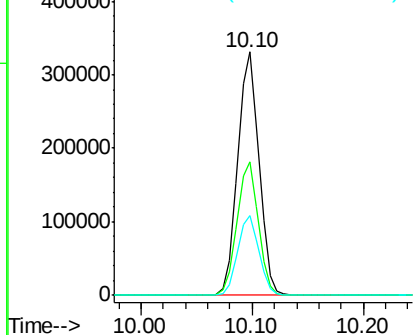
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX017435.D  
Acq: 20 Jul 2020 15:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
ERM-16R

Tot Ion:117 Resp: 439443  
Ion Ratio Lower Upper  
117 100  
82 54.9 42.0 63.0  
119 32.8 26.3 39.5

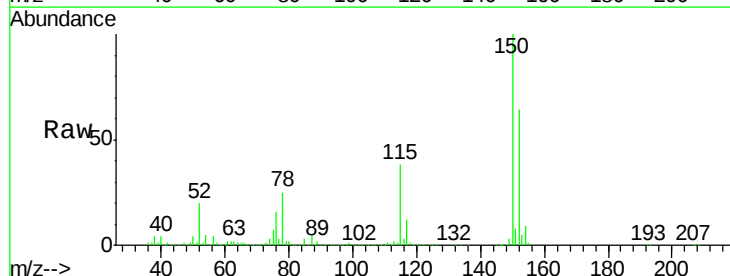


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

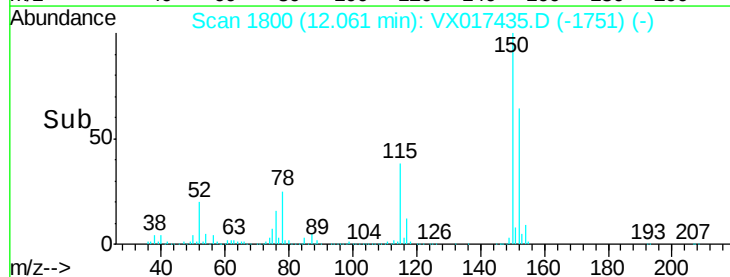
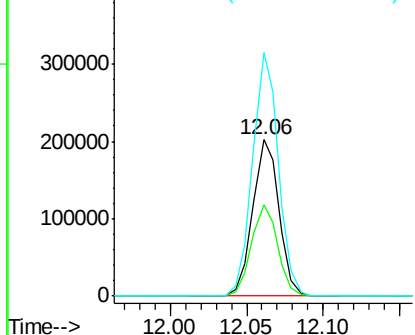


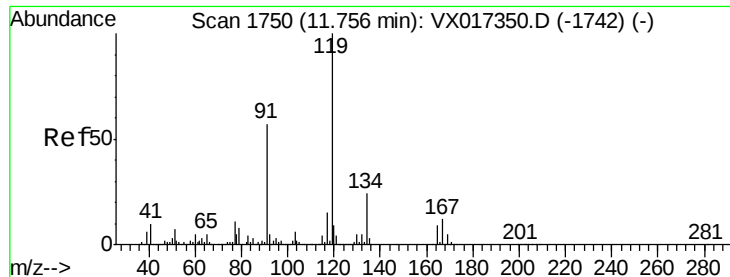
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX017435.D  
Acq: 20 Jul 2020 15:42

Tgt Ion:152 Resp: 241675  
Ion Ratio Lower Upper  
152 100  
115 58.3 39.9 119.7  
150 153.2 0.0 343.4



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

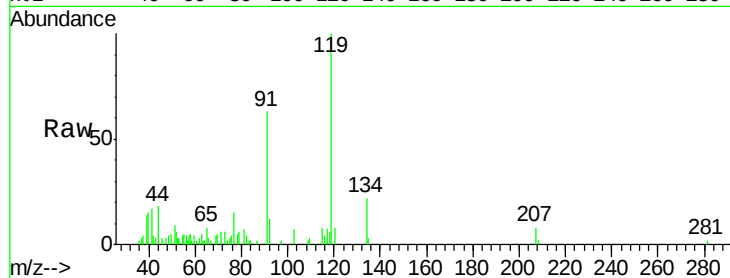




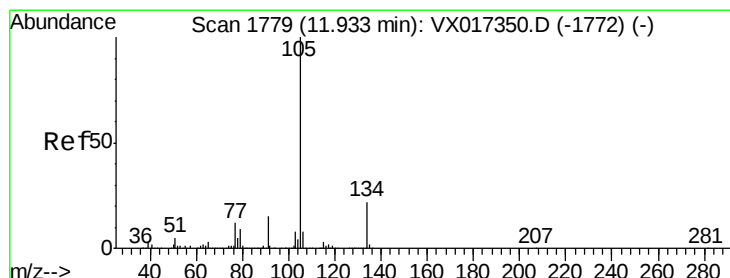
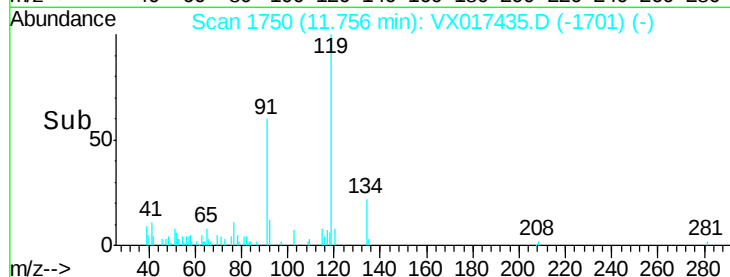
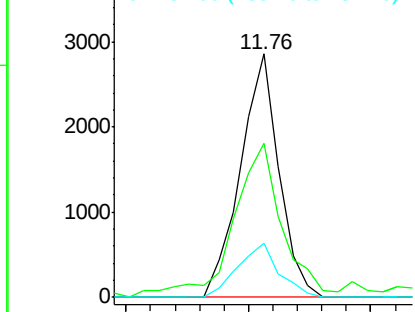
#83  
tert-Butylbenzene  
Concen: 0.252 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX017435.D  
Acq: 20 Jul 2020 15:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
ERM-16R

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 80.9  | 28.5  | 85.6  |
| 134     | 23.6  | 11.9  | 35.9  |

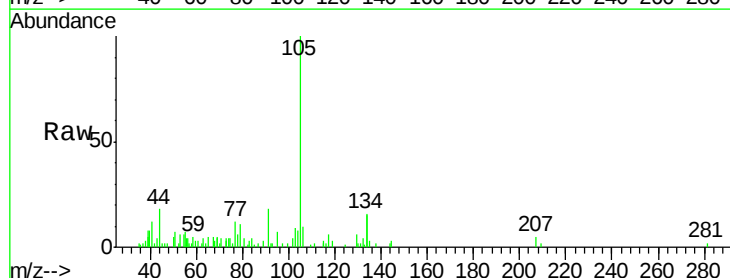


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V



#85  
sec-Butylbenzene  
Concen: 0.353 ug/l  
RT: 11.93 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VX017435.D  
Acq: 20 Jul 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 18.7  | 10.5  | 31.5  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V

