

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\  
 Data File : VX019586.D  
 Acq On : 24 Nov 2020 05:52  
 Operator : JC/MD  
 Sample : L4848-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR5-3-TOP

Quant Time: Nov 24 07:08:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 21 01:57:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 316820   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.82  | 114  | 515332   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 445152   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 171744   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |                |     |            |        |      |      |
|---------------------------|----------------|-----|------------|--------|------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03           | 65  | 192980     | 46.98  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 61 - 141 |     | Recovery = | 93.96% |      |      |
| 35) Dibromofluoromethane  | 5.46           | 113 | 152037     | 47.00  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 69 - 133 |     | Recovery = | 94.00% |      |      |
| 50) Toluene-d8            | 8.70           | 98  | 616738     | 49.06  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 65 - 126 |     | Recovery = | 98.12% |      |      |
| 62) 4-Bromofluorobenzene  | 11.12          | 95  | 199168     | 44.04  | ug/l | 0.00 |
| Spiked Amount 50.000      | Range 58 - 135 |     | Recovery = | 88.08% |      |      |

## Target Compounds

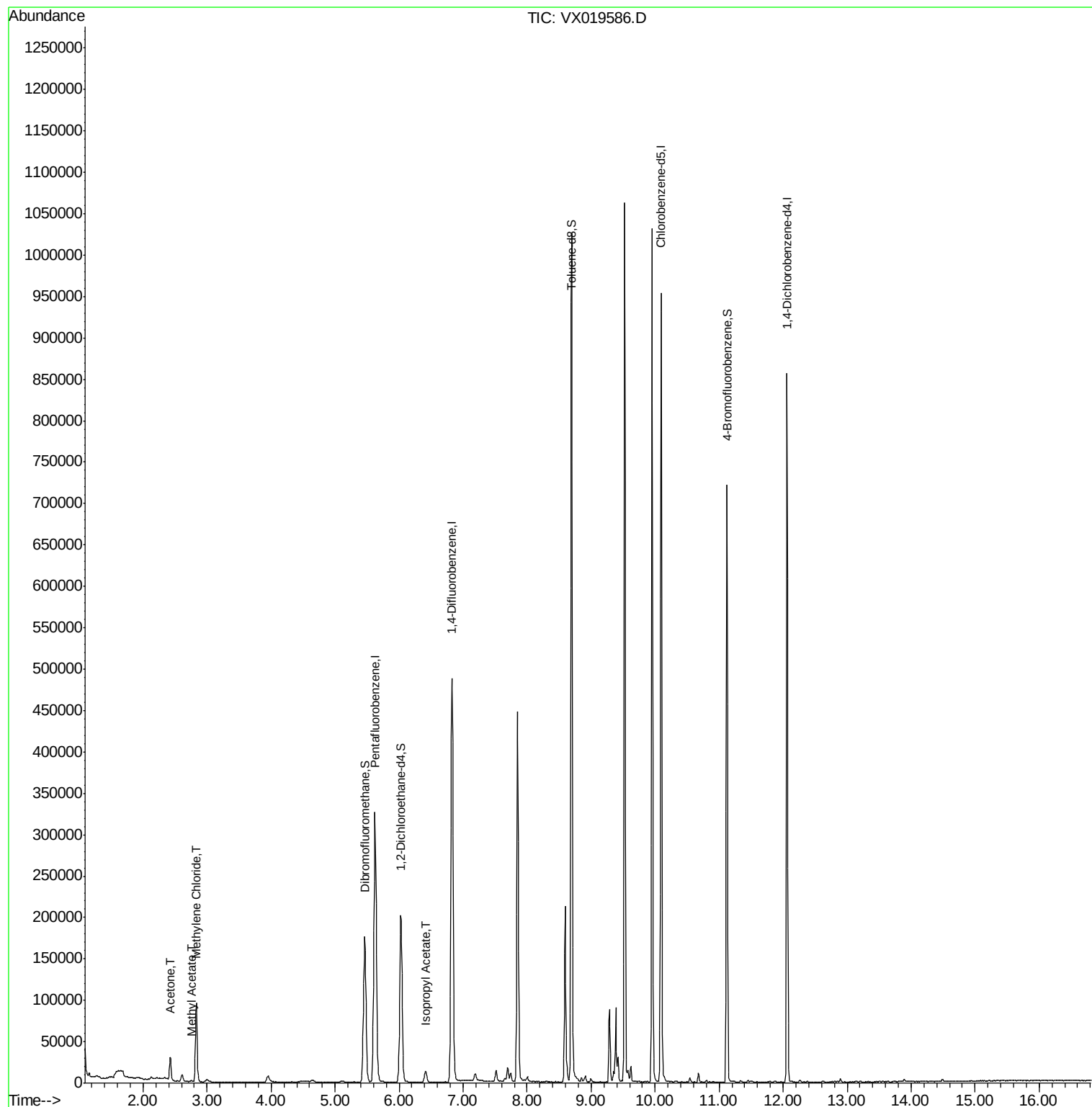
|                        |      |    |       |        | Qvalue  |
|------------------------|------|----|-------|--------|---------|
| 16) Acetone            | 2.42 | 43 | 30474 | 19.183 | ug/l 99 |
| 18) Methyl Acetate     | 2.75 | 43 | 2234  | 1.201  | ug/l 98 |
| 20) Methylene Chloride | 2.83 | 84 | 46676 | 11.756 | ug/l 98 |
| 43) Isopropyl Acetate  | 6.42 | 43 | 18935 | 2.484  | ug/l 98 |

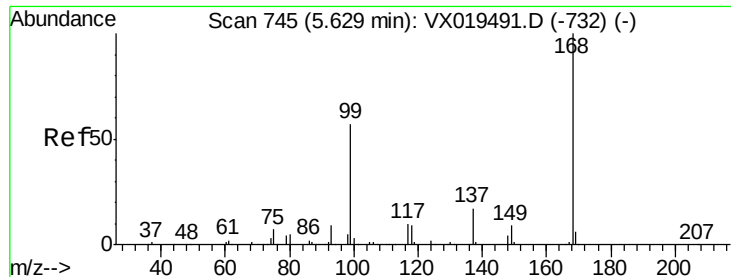
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
TR5-3-TOP

Quant Time: Nov 24 07:08:16 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 21 01:57:45 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA\_X

ClientSampleId :

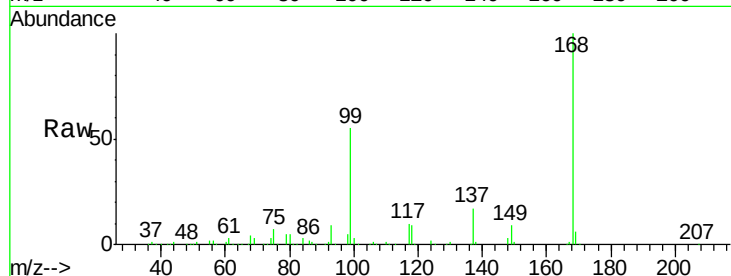
TR5-3-TOP

Tot Ion:168 Resp: 316820

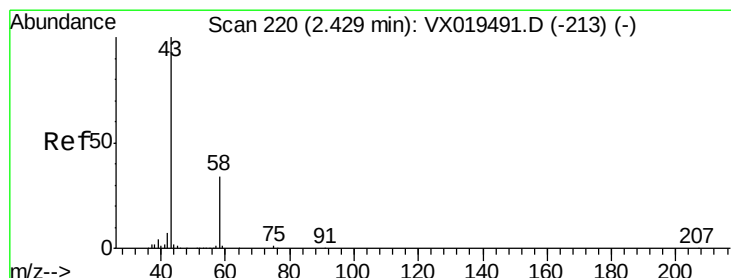
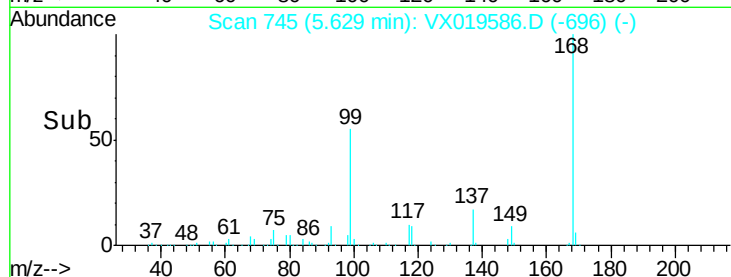
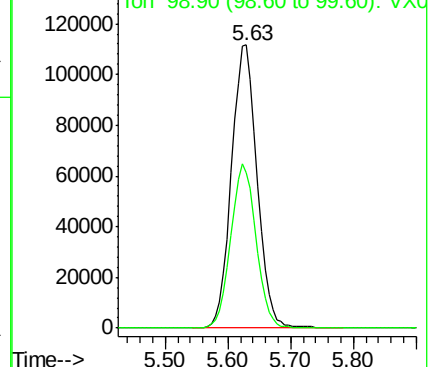
Ion Ratio Lower Upper

168 100

99 54.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 19.183 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019586.D

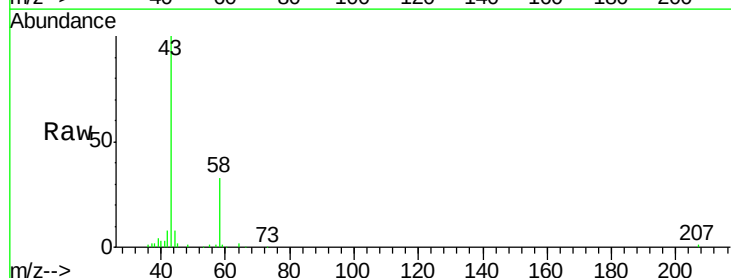
Acq: 24 Nov 2020 05:52

Tgt Ion: 43 Resp: 30474

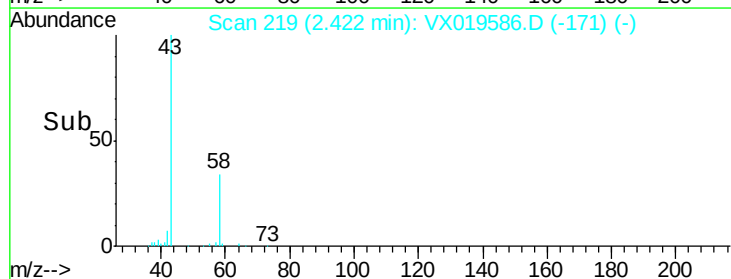
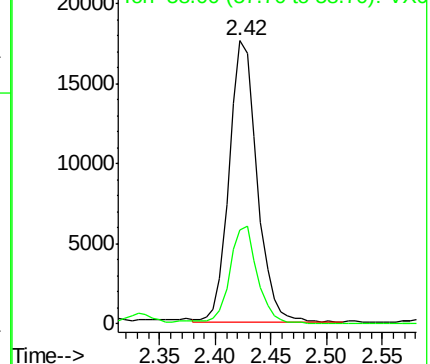
Ion Ratio Lower Upper

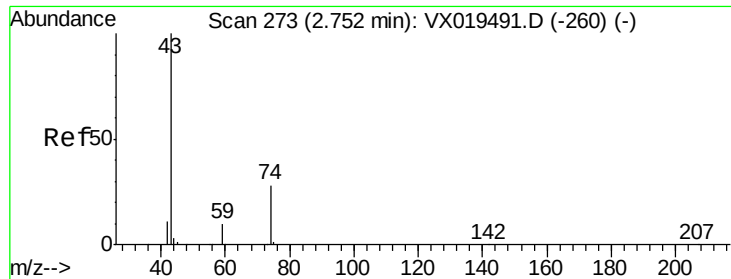
43 100

58 33.5 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

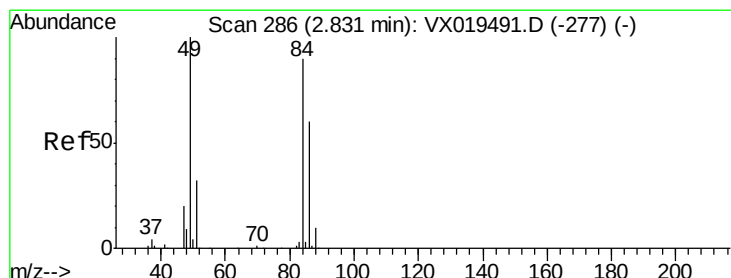
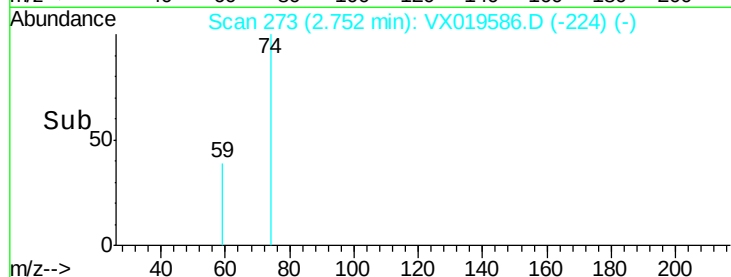
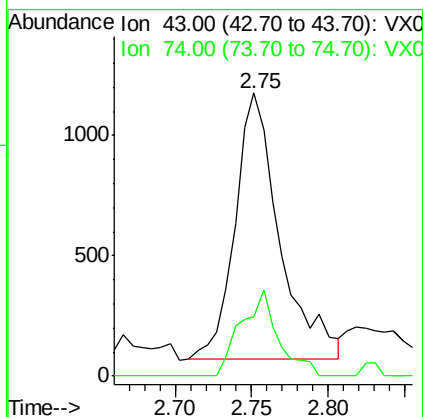
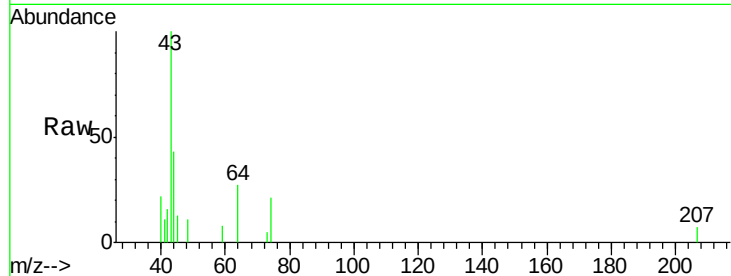




#18  
Methyl Acetate  
Concen: 1.201 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.00 min  
Lab File: VX019586.D  
Acq: 24 Nov 2020 05:52

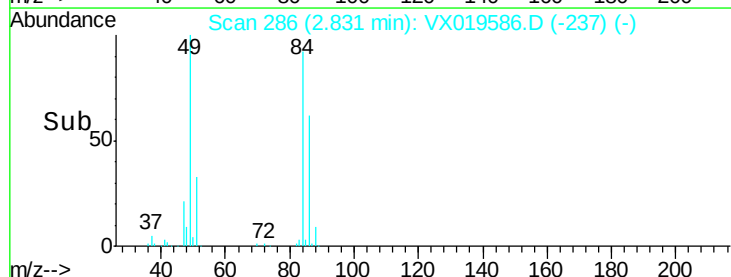
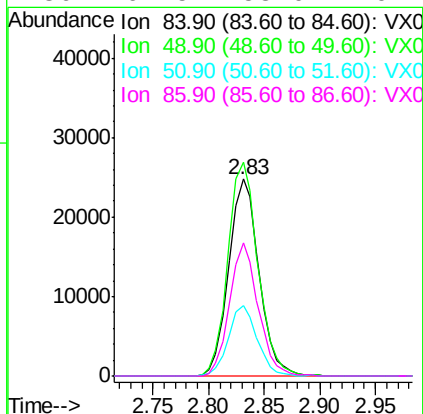
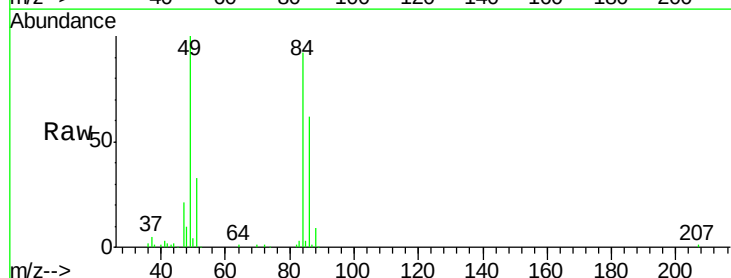
Instrument :  
MSVOA\_X  
ClientSampled :  
TR5-3-TOP

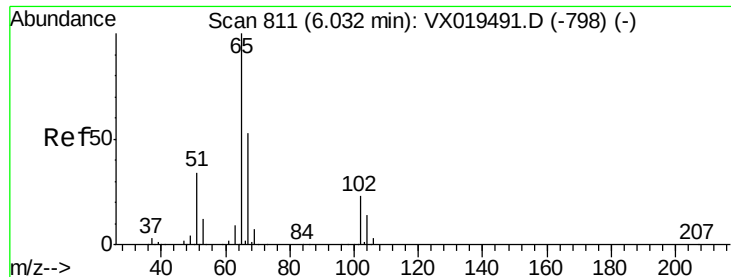
Tot Ion: 43 Resp: 2234  
Ion Ratio Lower Upper  
43 100  
74 27.0 22.2 33.4



#20  
Methylene Chloride  
Concen: 11.756 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. -0.00 min  
Lab File: VX019586.D  
Acq: 24 Nov 2020 05:52

Tgt Ion: 84 Resp: 46676  
Ion Ratio Lower Upper  
84 100  
49 108.6 88.5 132.7  
51 35.6 28.0 42.0  
86 67.5 53.0 79.4

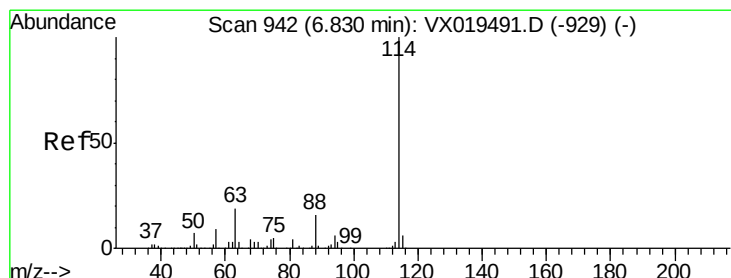
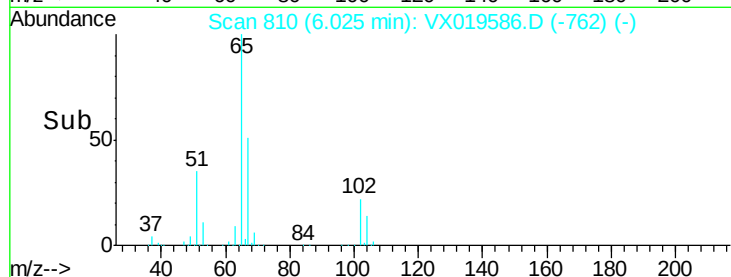
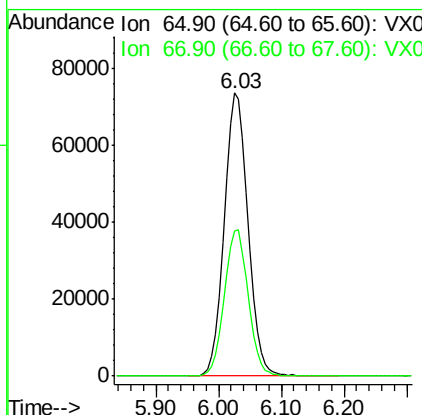
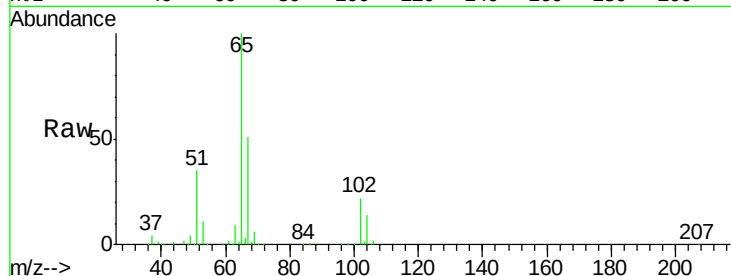




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.978 ug/l  
 RT: 6.03 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: VX019586.D  
 Acq: 24 Nov 2020 05:52

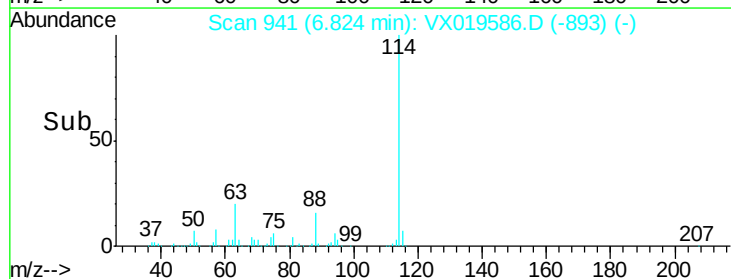
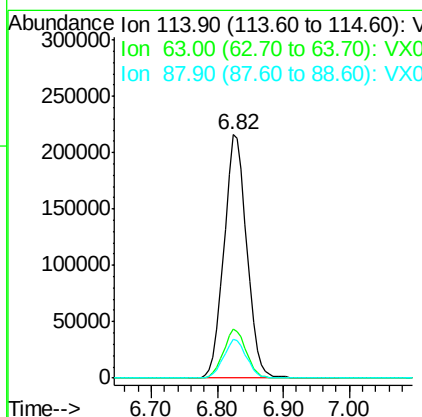
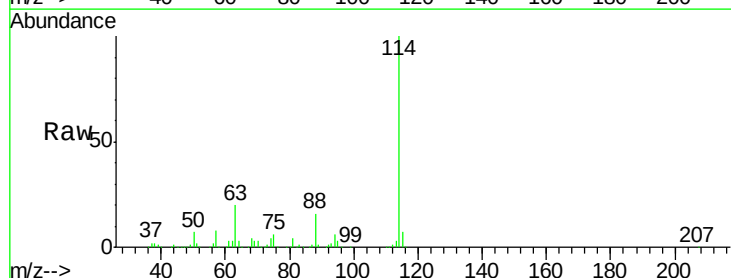
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TR5-3-TOP

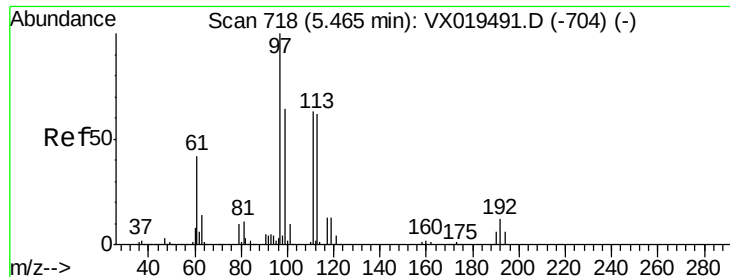
Tot Ion: 65 Resp: 192980  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.82 min Scan# 941  
 Delta R.T. -0.01 min  
 Lab File: VX019586.D  
 Acq: 24 Nov 2020 05:52

Tgt Ion: 114 Resp: 515332  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 38.8  
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.001 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA\_X

ClientSampleId :

TR5-3-TOP

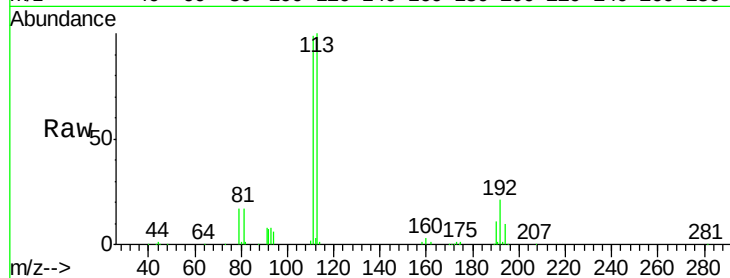
Tot Ion:113 Resp: 152037

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

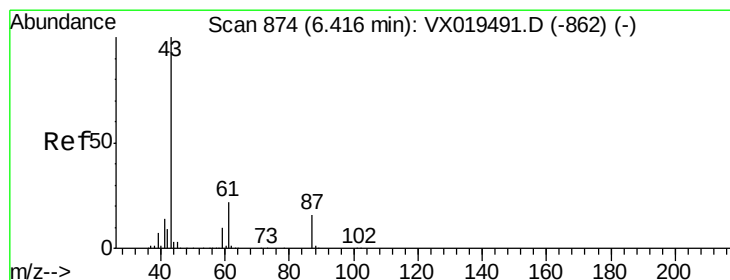
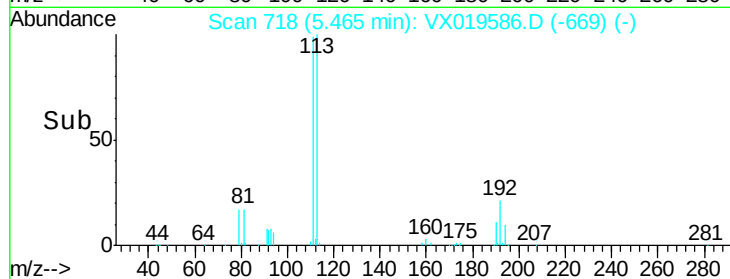
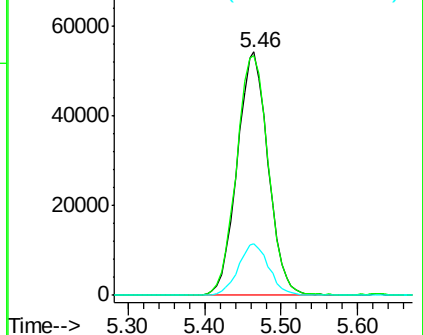
192 20.9 16.2 24.2



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: 2.484 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

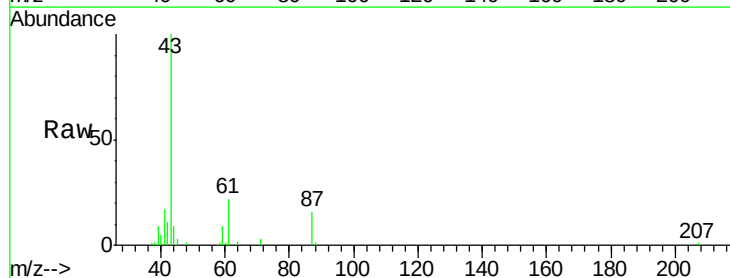
Tgt Ion: 43 Resp: 18935

Ion Ratio Lower Upper

43 100

61 22.0 18.2 27.2

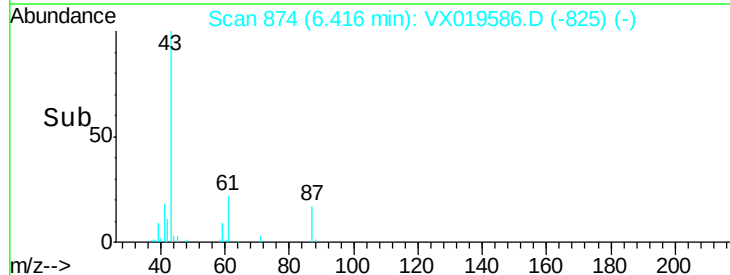
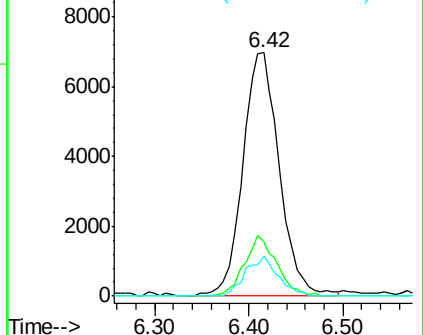
87 14.3 12.6 18.8

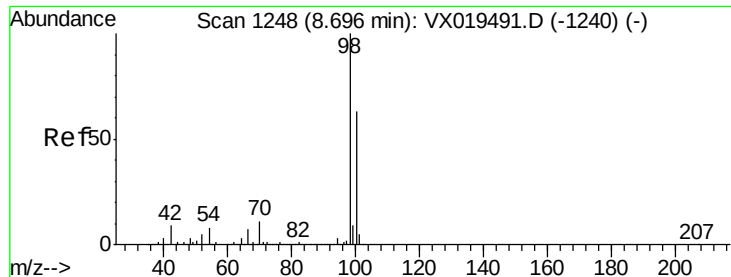


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 49.065 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

Instrument :

MSVOA\_X

ClientSampleId :

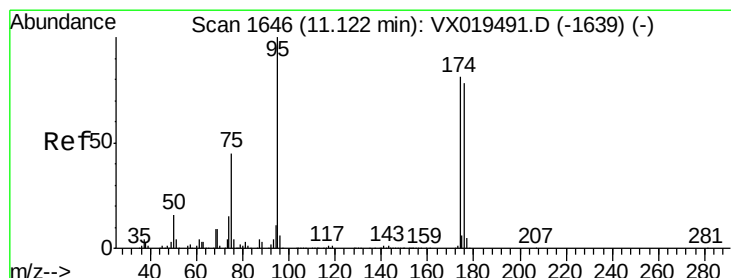
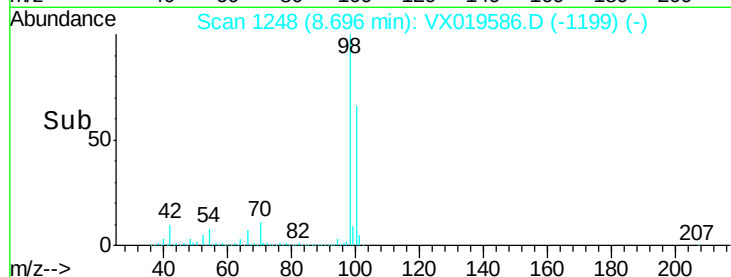
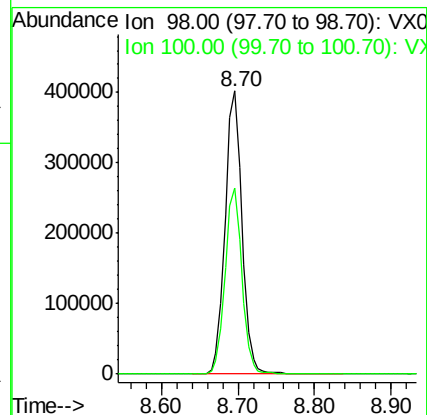
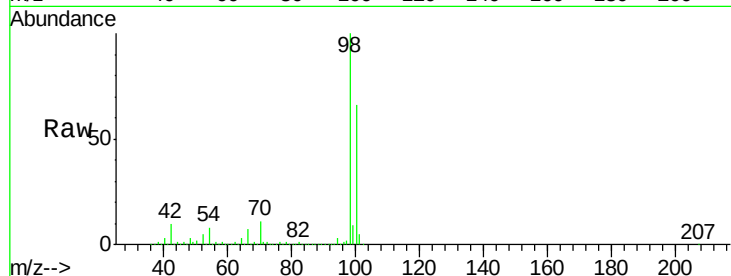
TR5-3-TOP

Tot Ion: 98 Resp: 616738

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.040 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019586.D

Acq: 24 Nov 2020 05:52

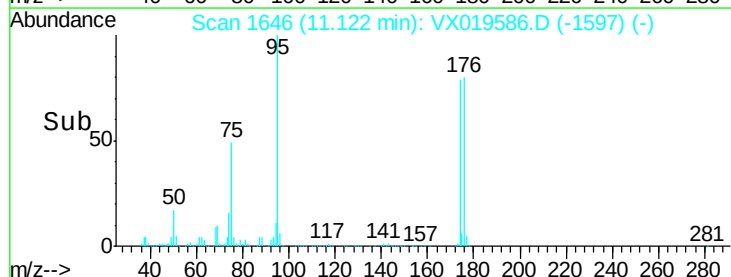
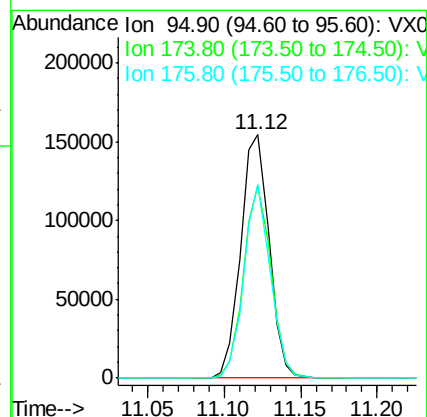
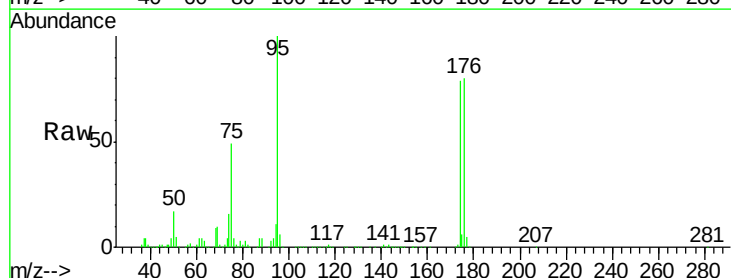
Tgt Ion: 95 Resp: 199168

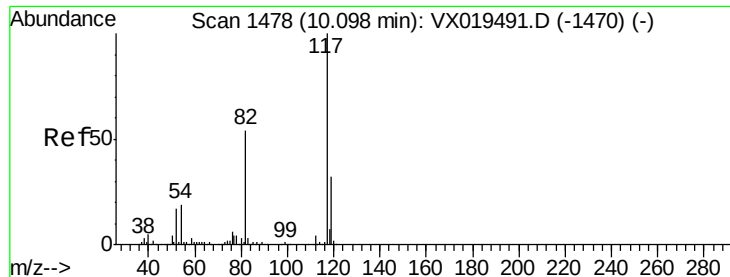
Ion Ratio Lower Upper

95 100

174 76.8 0.0 156.2

176 73.8 0.0 151.4

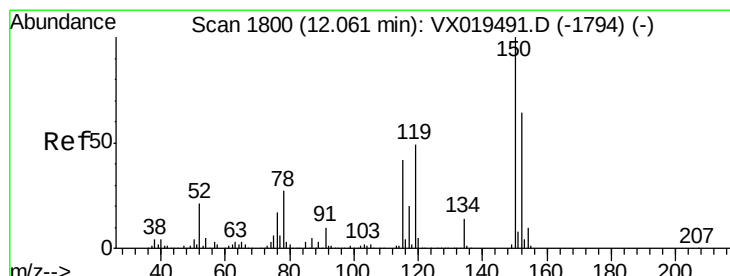
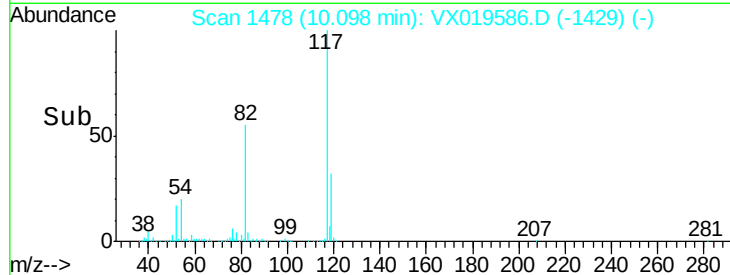
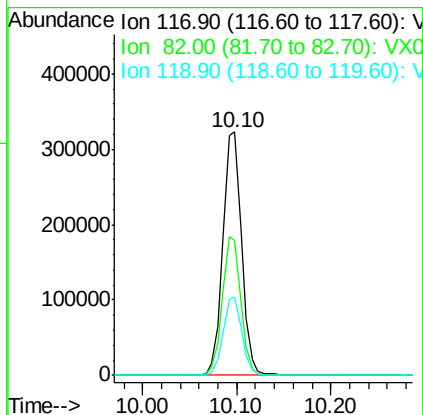
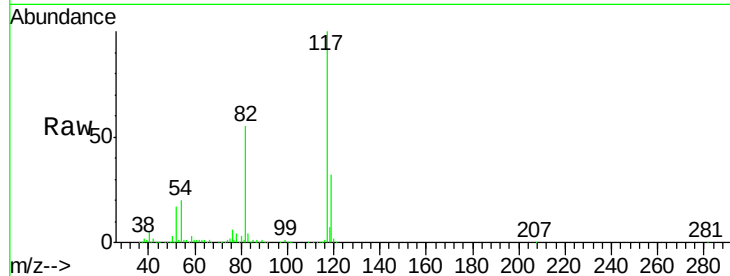




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019586.D  
Acq: 24 Nov 2020 05:52

Instrument :  
MSVOA\_X  
ClientSampled :  
TR5-3-TOP

Tot Ion:117 Resp: 445152  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.0 64.4  
119 32.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX019586.D  
Acq: 24 Nov 2020 05:52

Tgt Ion:152 Resp: 171744  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.8 125.4  
150 156.9 0.0 348.2

