

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113020\  
 Data File : VX019681.D  
 Acq On : 30 Nov 2020 15:34  
 Operator : JC/MD  
 Sample : L4900-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PAV-B2-112520-12-12.75

Quant Time: Dec 01 03:15:34 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  | 295564   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 492001   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 428973   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 169393   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 6.03  | 65       | 186612   | 48.70 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 97.40% |          |
| 35) Dibromofluoromethane    |        | 5.46  | 113      | 148997   | 48.25 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 96.50% |          |
| 50) Toluene-d8              |        | 8.70  | 98       | 594134   | 49.51 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 99.02% |          |
| 62) 4-Bromofluorobenzene    |        | 11.12 | 95       | 195201   | 45.21 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 90.42% |          |

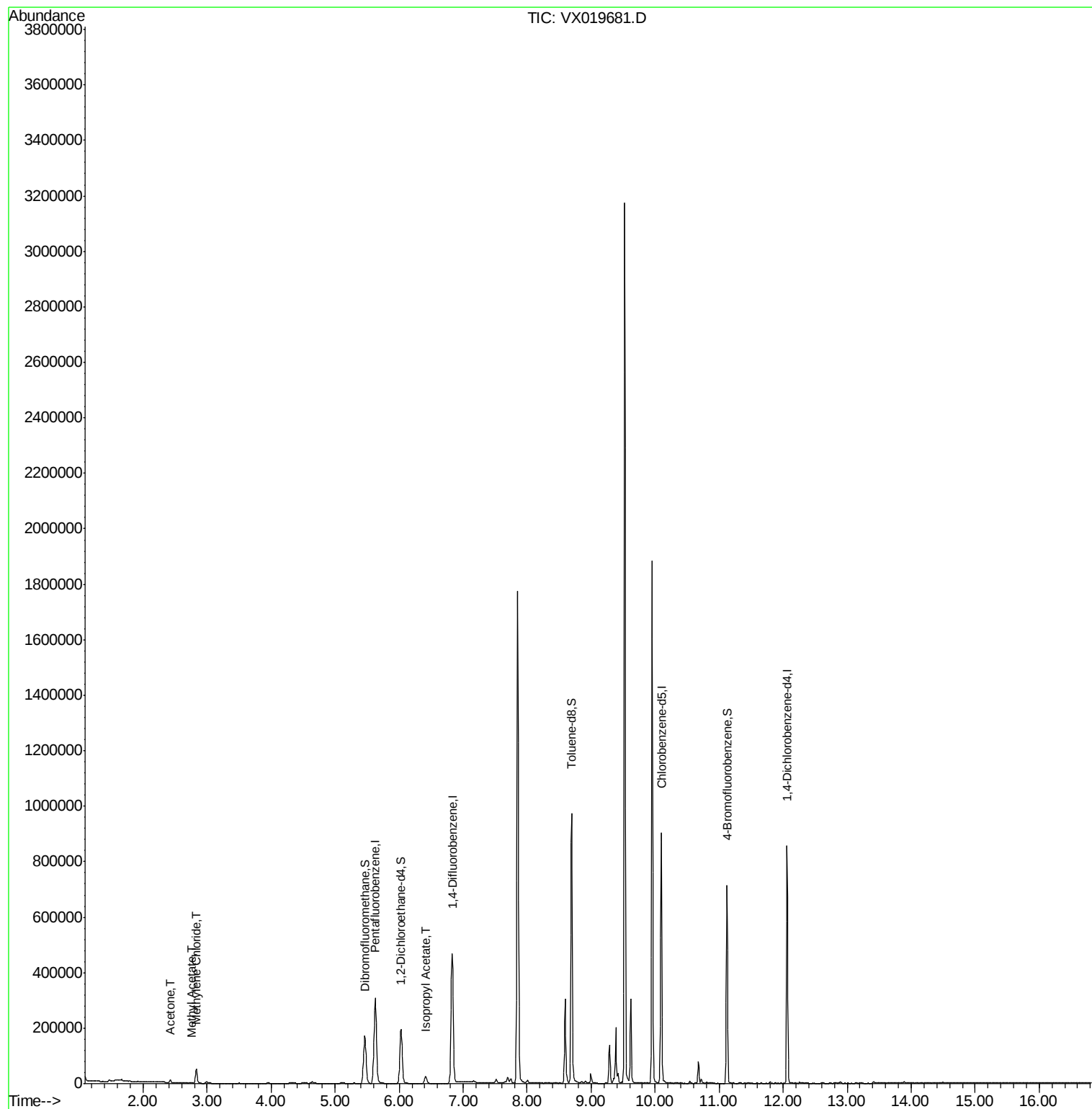
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 2.42 | 43   | 12496    | 8.432 | ug/l  | 100    |
| 18) Methyl Acetate     | 2.76 | 43   | 2764     | 1.386 | ug/l  | 98     |
| 20) Methylene Chloride | 2.83 | 84   | 24818    | 6.700 | ug/l  | 97     |
| 43) Isopropyl Acetate  | 6.42 | 43   | 32680    | 4.490 | ug/l  | 99     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX113020\  
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Sample : L4900-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PAV-B2-112520-12-12.75

Quant Time: Dec 01 03:15:34 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: VX019681.D

Acq: 30 Nov 2020 15:34

Instrument :

MSVOA\_X

ClientSampleId :

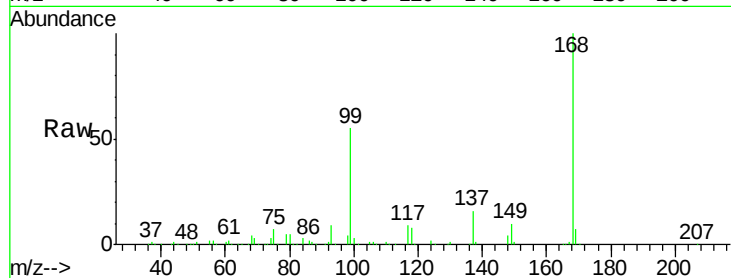
PAV-B2-112520-12-12.75

Tot Ion:168 Resp: 295564

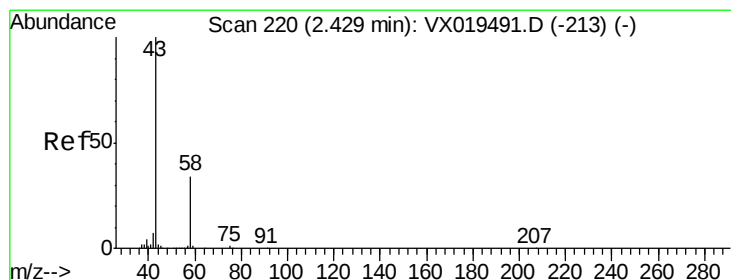
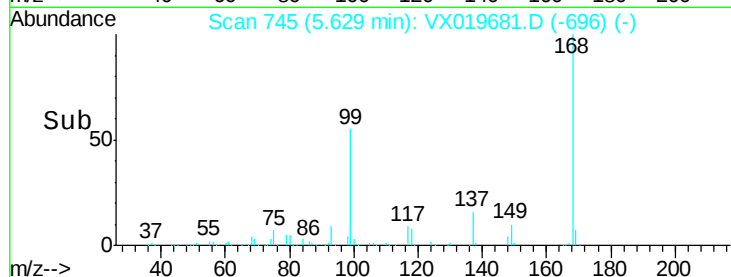
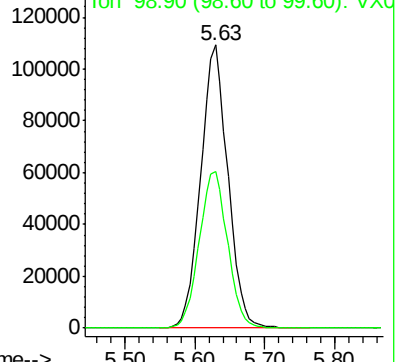
Ion Ratio Lower Upper

168 100

99 55.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 8.432 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019681.D

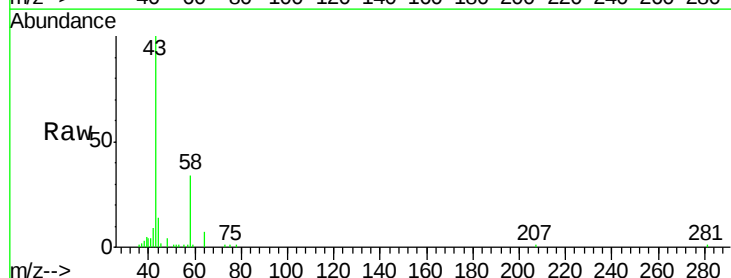
Acq: 30 Nov 2020 15:34

Tgt Ion: 43 Resp: 12496

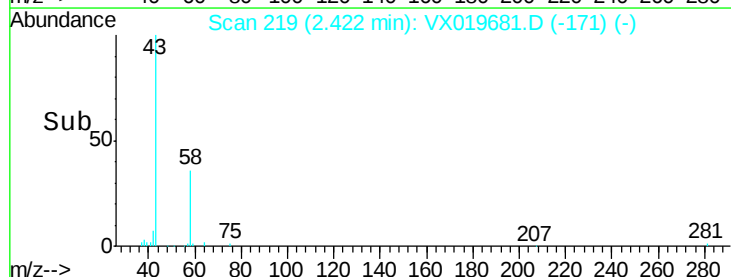
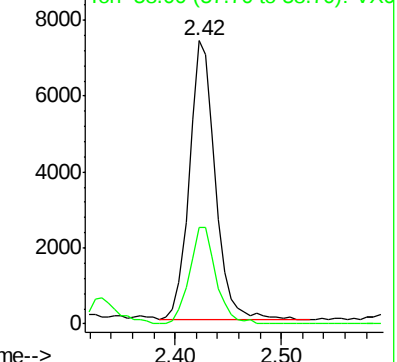
Ion Ratio Lower Upper

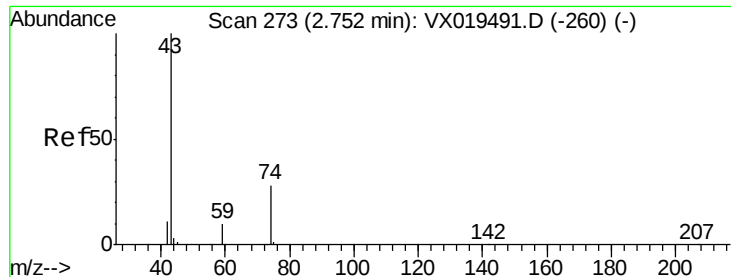
43 100

58 34.6 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0





#18

Methyl Acetate

Concen: 1.386 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

Instrument :

MSVOA\_X

ClientSampleId :

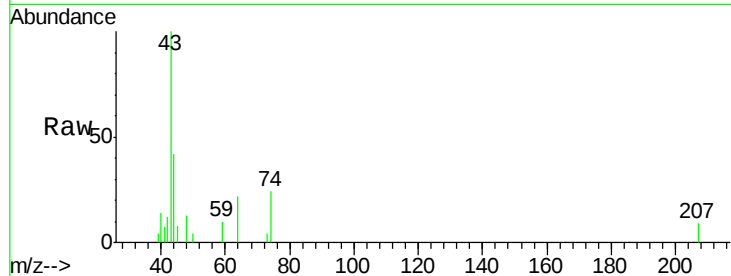
PAV-B2-112520-12-12.75

Tot Ion: 43 Resp: 2764

Ion Ratio Lower Upper

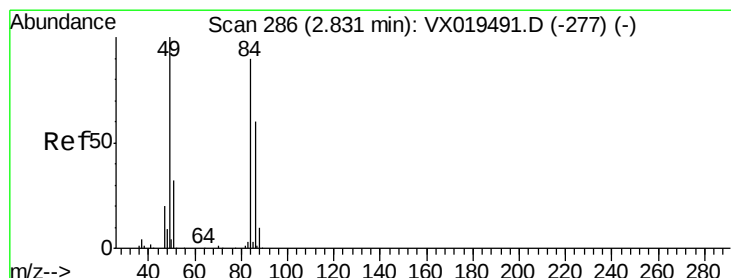
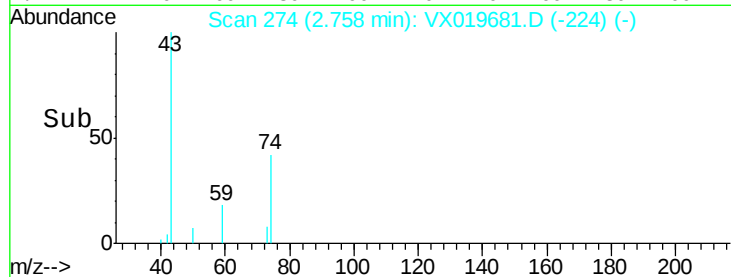
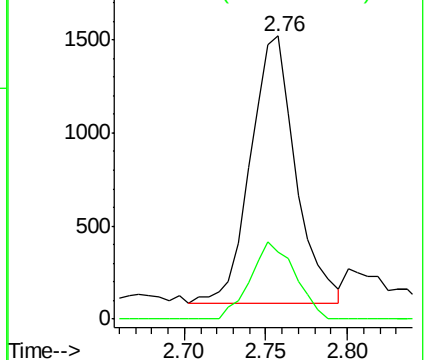
43 100

74 28.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 6.700 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

Tgt Ion: 84 Resp: 24818

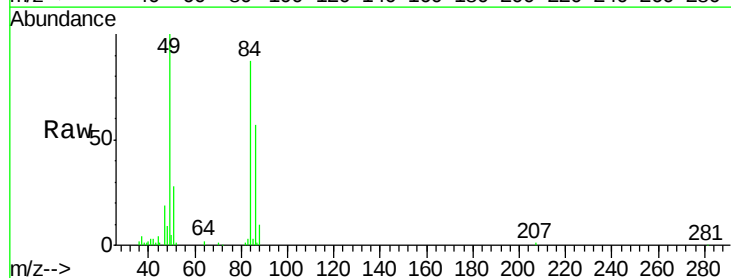
Ion Ratio Lower Upper

84 100

49 115.2 88.5 132.7

51 32.8 28.0 42.0

86 66.2 53.0 79.4

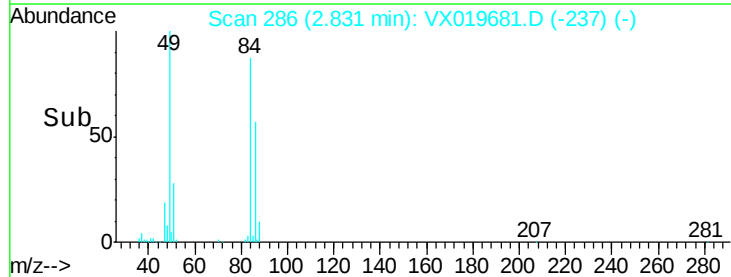
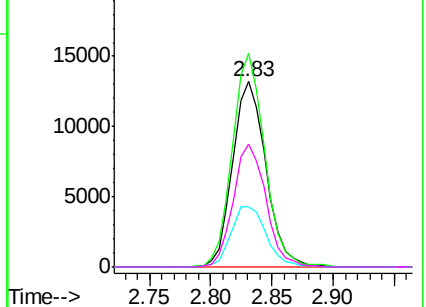


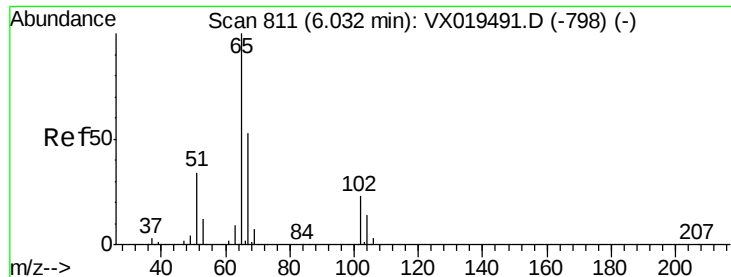
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.695 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

Instrument :

MSVOA\_X

ClientSampleId :

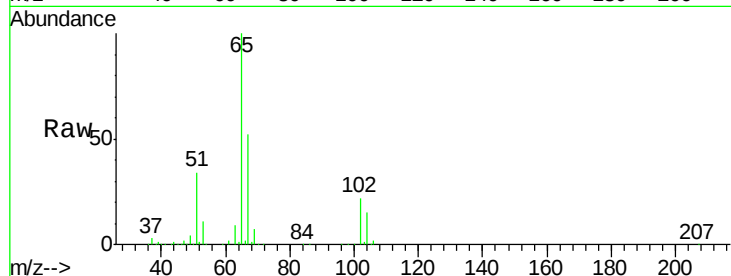
PAV-B2-112520-12-12.75

Tot Ion: 65 Resp: 186612

Ion Ratio Lower Upper

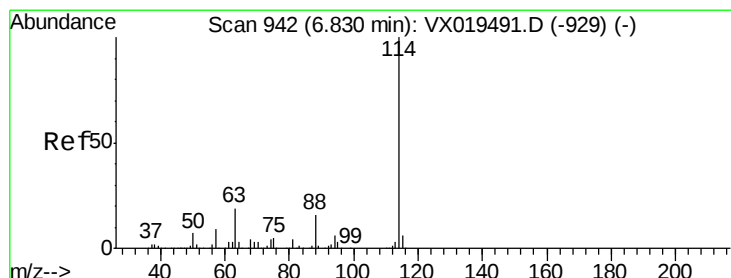
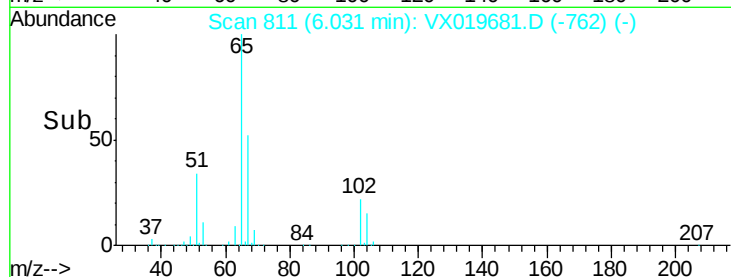
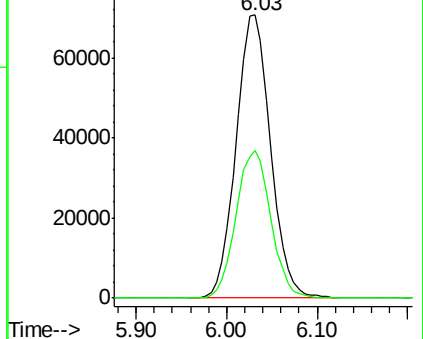
65 100

67 52.7 0.0 105.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

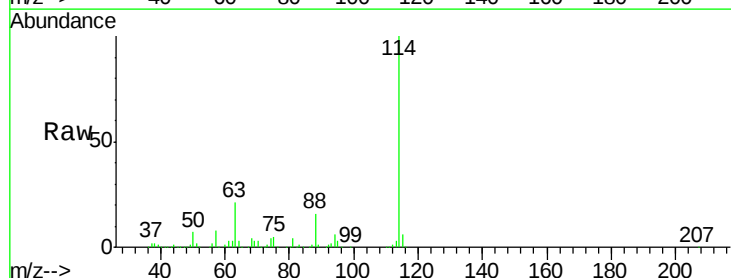
Tgt Ion: 114 Resp: 492001

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

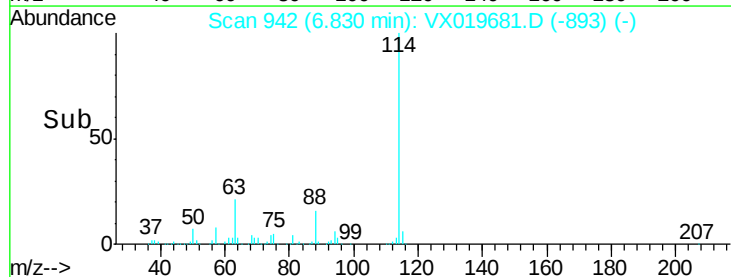
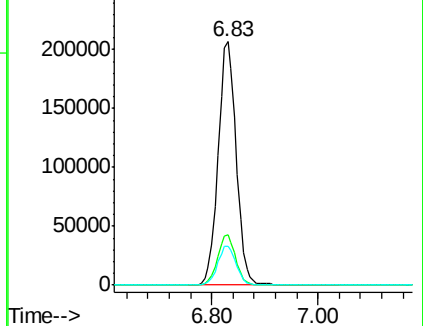
88 16.2 0.0 31.6

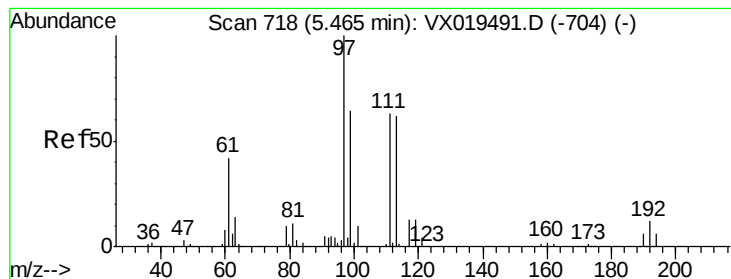


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.246 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

Instrument :

MSVOA\_X

ClientSampleId :

PAV-B2-112520-12-12.75

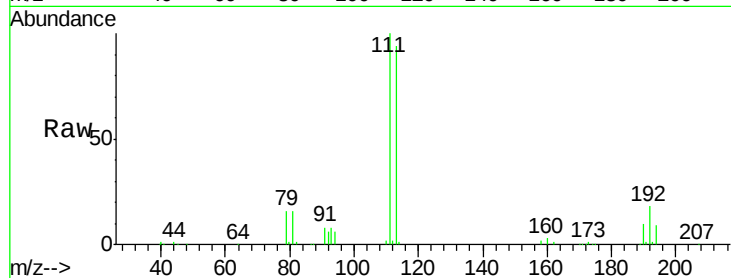
Tot Ion:113 Resp: 148997

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

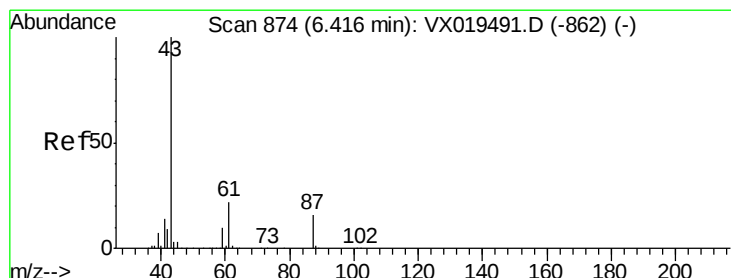
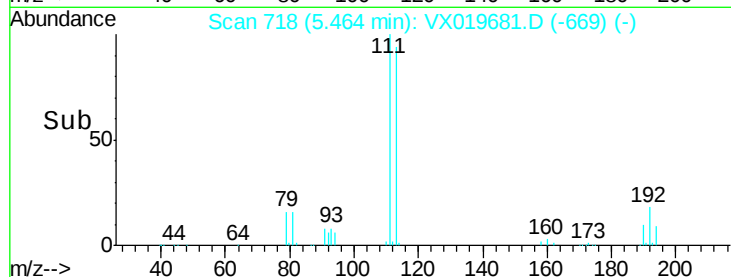
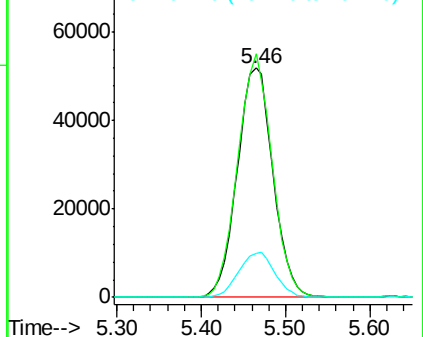
192 20.1 16.2 24.2



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: 4.490 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

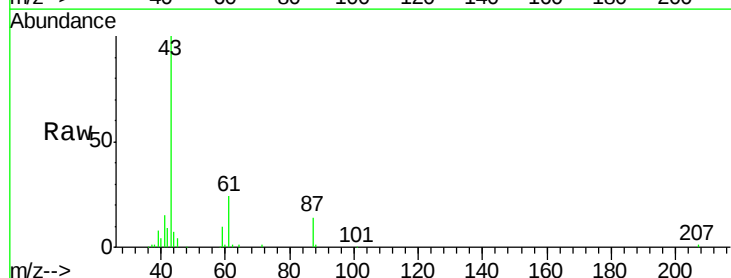
Tgt Ion: 43 Resp: 32680

Ion Ratio Lower Upper

43 100

61 23.2 18.2 27.2

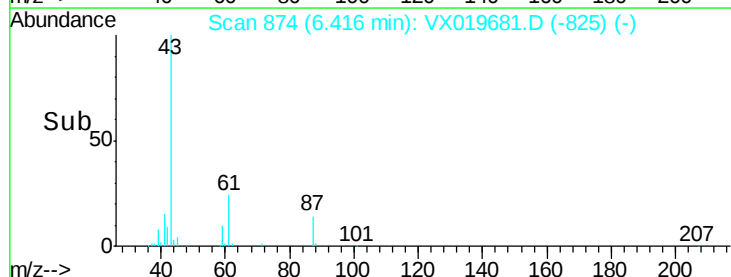
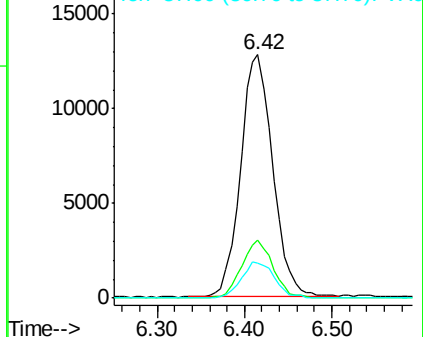
87 15.2 12.6 18.8

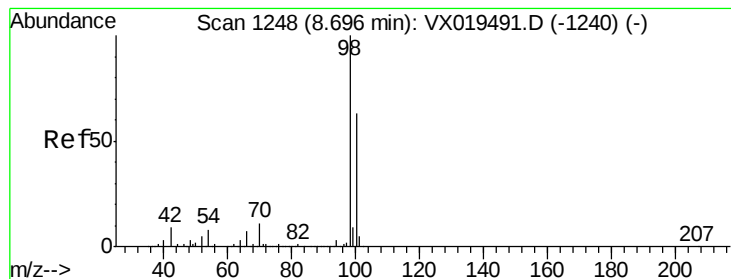


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 49.508 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

Instrument :

MSVOA\_X

ClientSampleId :

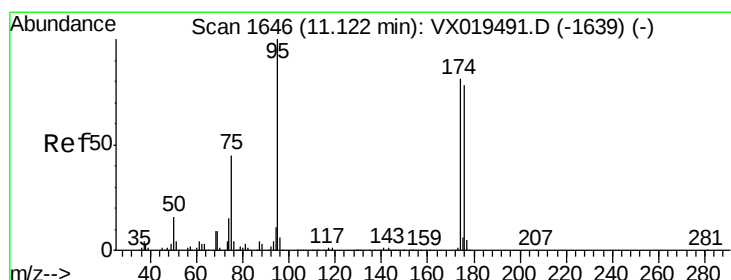
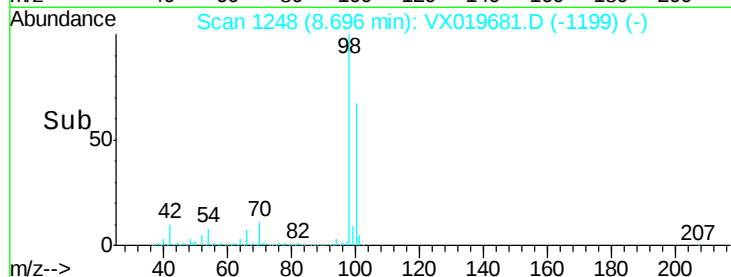
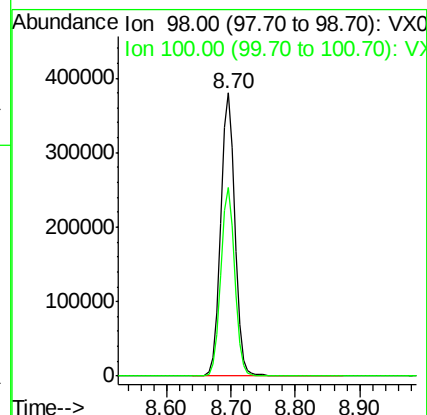
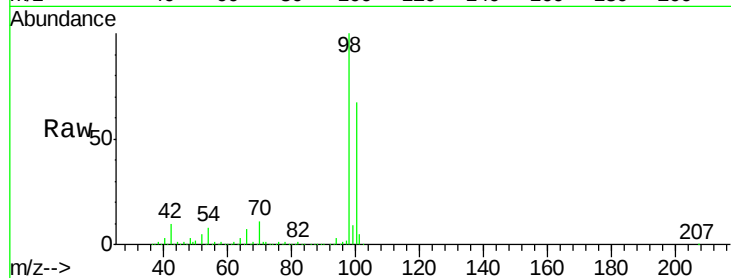
PAV-B2-112520-12-12.75

Tot Ion: 98 Resp: 594134

Ion Ratio Lower Upper

98 100

100 66.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.209 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019681.D

Acq: 30 Nov 2020 15:34

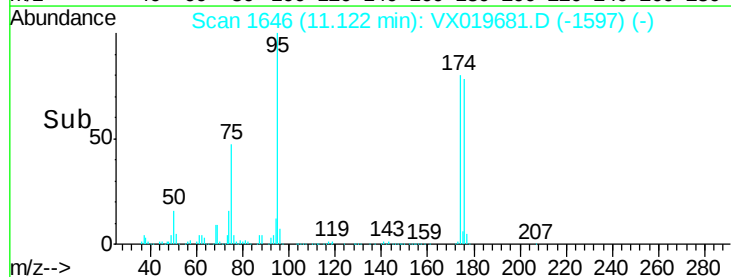
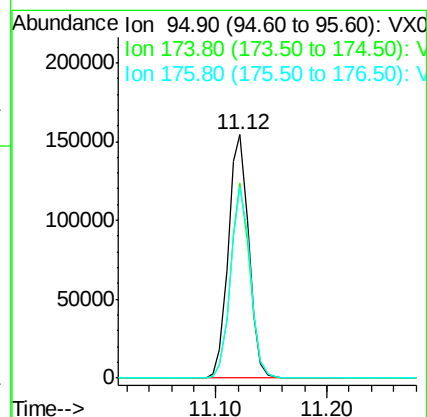
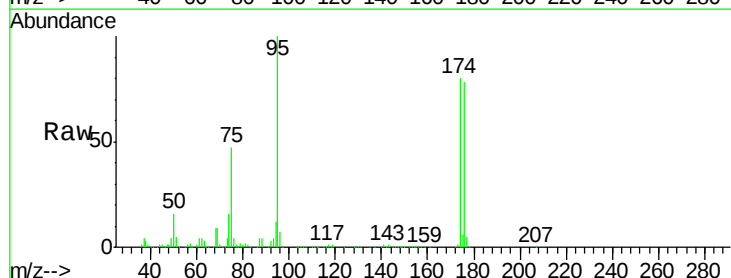
Tgt Ion: 95 Resp: 195201

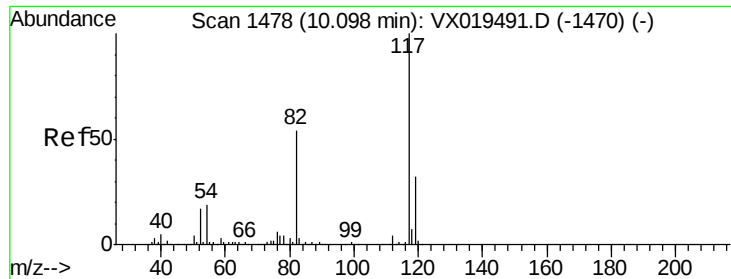
Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.2

176 76.1 0.0 151.4

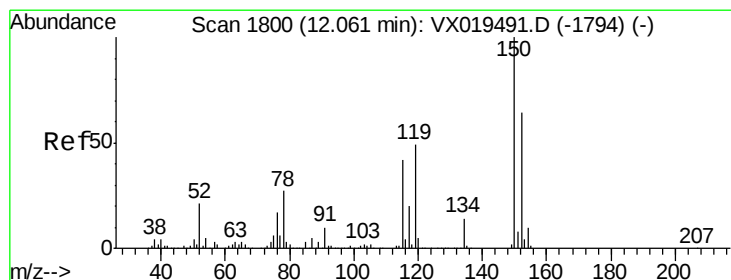
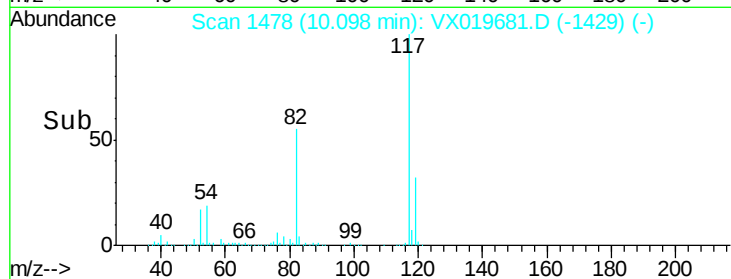
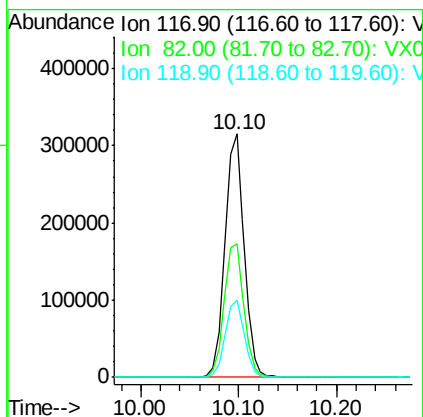
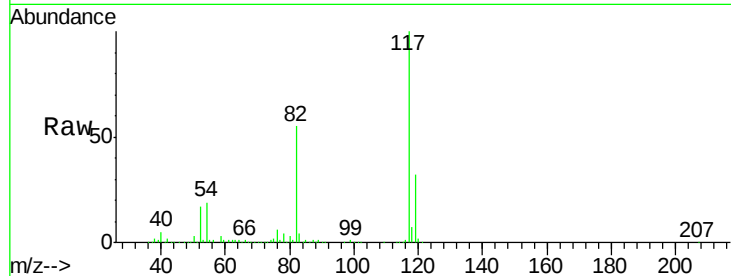




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX019681.D  
Acq: 30 Nov 2020 15:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tot Ion:117 Resp: 428973  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.0 64.4  
119 31.7 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: VX019681.D  
Acq: 30 Nov 2020 15:34

Tgt Ion:152 Resp: 169393  
Ion Ratio Lower Upper  
152 100  
115 60.5 41.8 125.4  
150 158.1 0.0 348.2

