

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070820\  
 Data File : VX017292.D  
 Acq On : 09 Jul 2020 05:28  
 Operator : JC/SP  
 Sample : L3183-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OK-02-070720

Quant Time: Jul 09 06:27:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

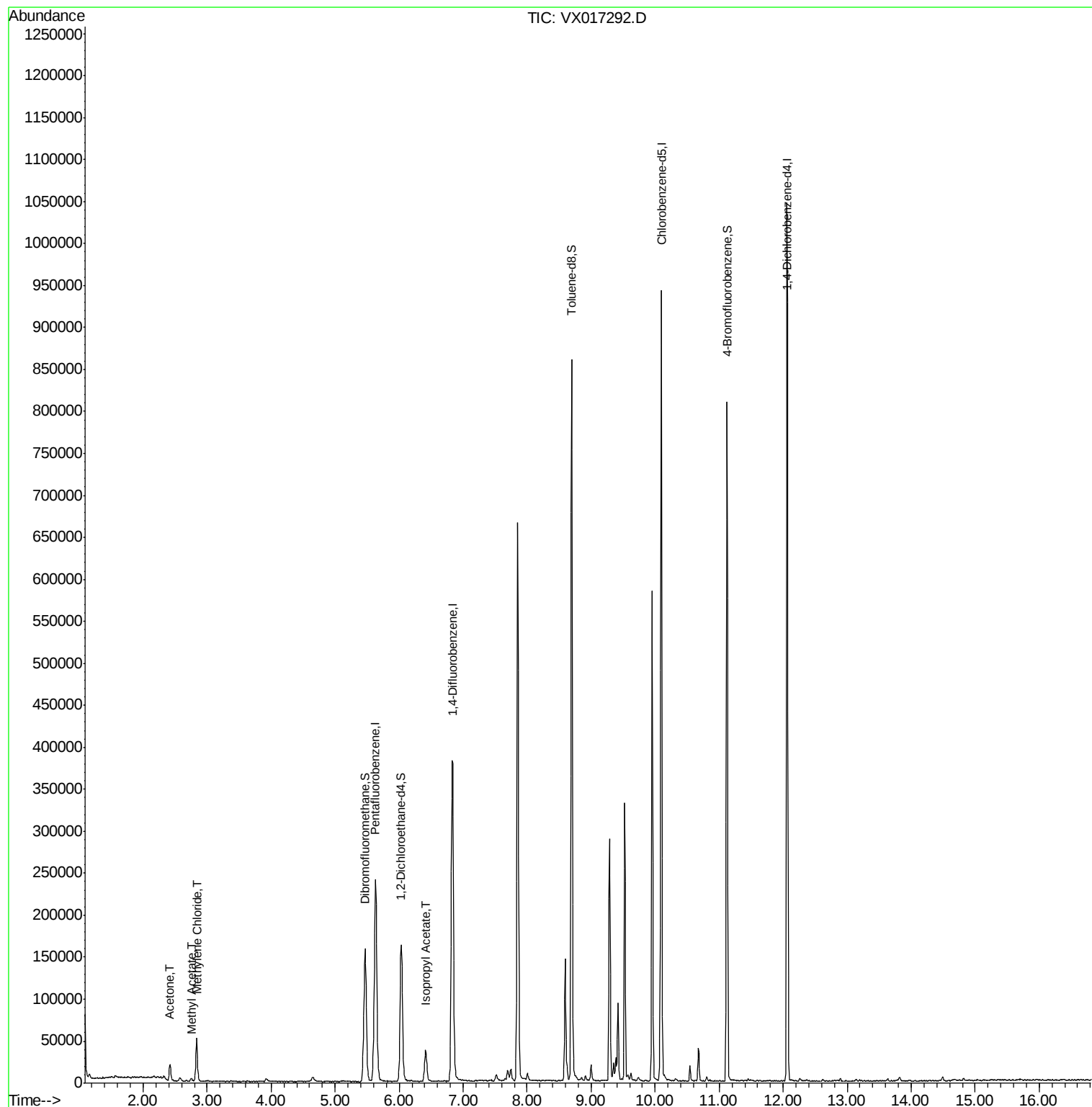
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 233190   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 391829   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 431286   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 220002   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 157669   | 54.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.70% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 134163   | 54.13  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.26% |          |
| 50) Toluene-d8              | 8.70  | 98   | 502715   | 54.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.70% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 203212   | 56.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.44% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.42  | 43   | 20735    | 19.281 | ug/l    | 95       |
| 18) Methyl Acetate          | 2.75  | 43   | 3237     | 1.153  | ug/l    | 97       |
| 20) Methylene Chloride      | 2.84  | 84   | 22665    | 8.540  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.41  | 43   | 49993    | 8.007  | ug/l    | 98       |

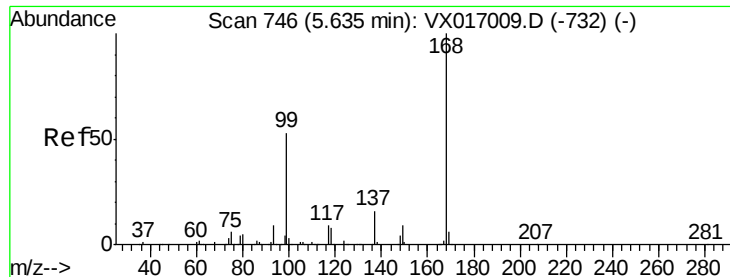
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA\_X

ClientSampleId :

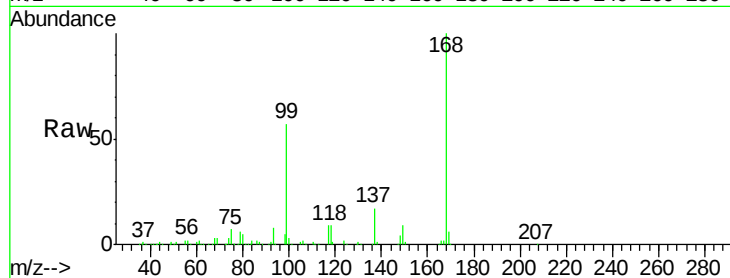
OK-02-070720

Tot Ion:168 Resp: 233190

Ion Ratio Lower Upper

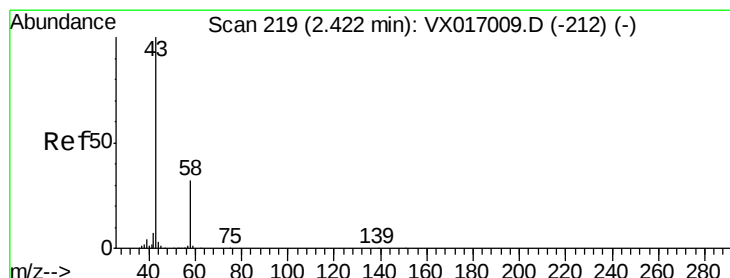
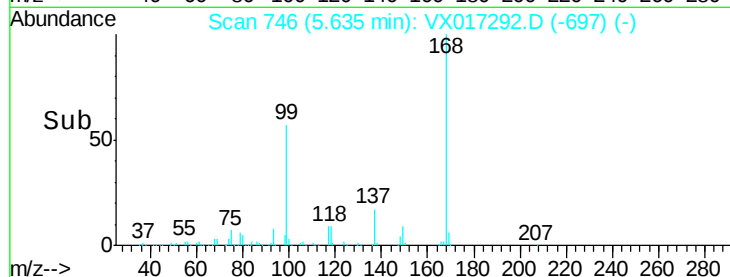
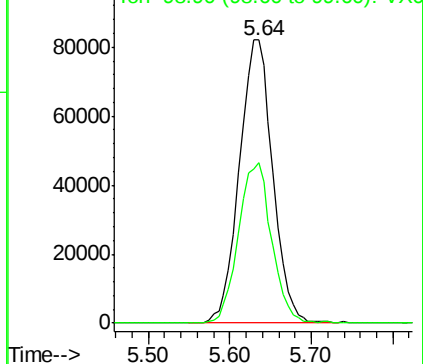
168 100

99 56.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 19.281 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017292.D

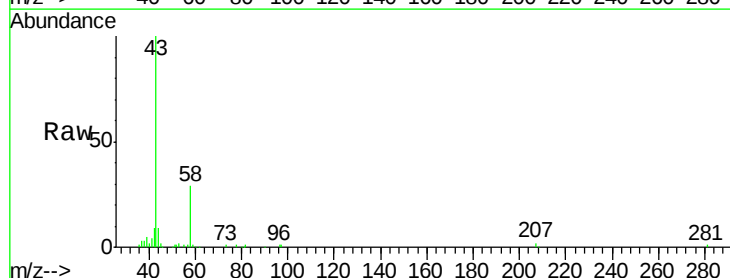
Acq: 09 Jul 2020 05:28

Tgt Ion: 43 Resp: 20735

Ion Ratio Lower Upper

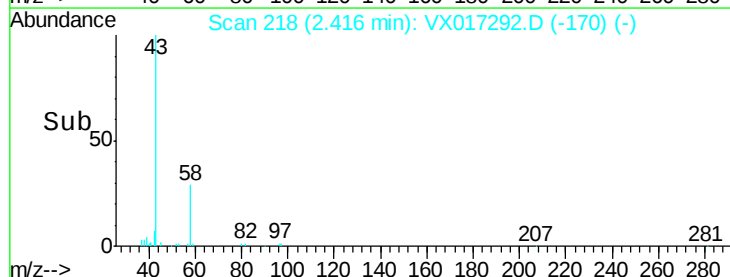
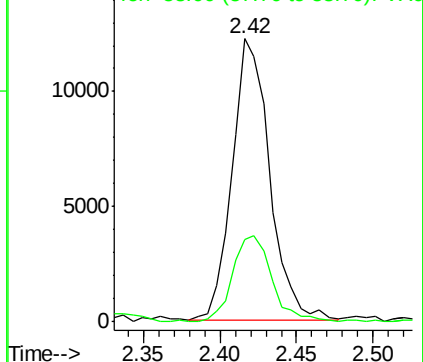
43 100

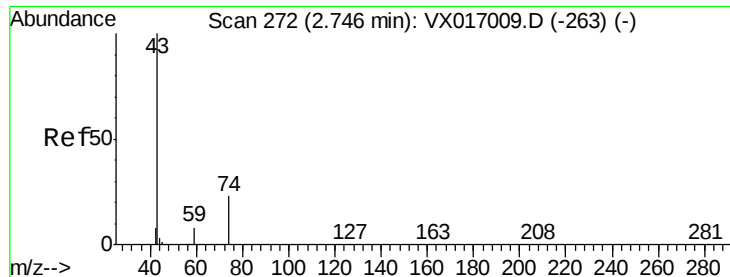
58 29.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

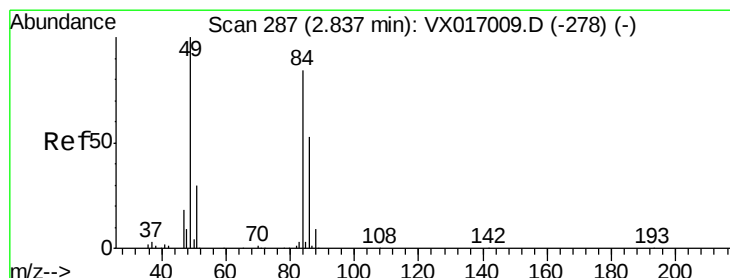
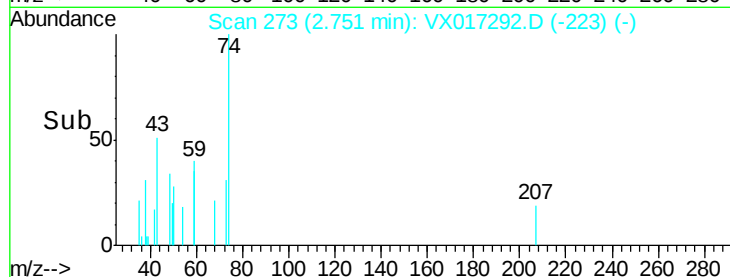
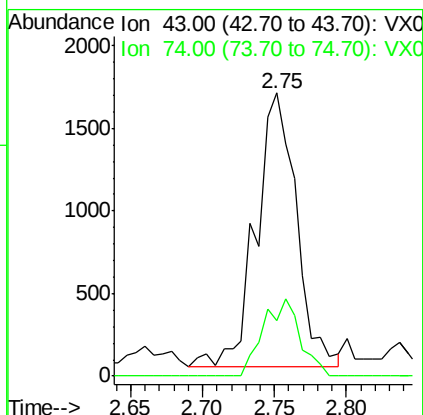
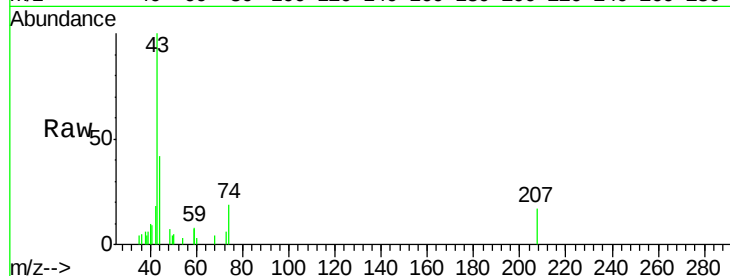




#18  
Methvl Acetate  
Concen: 1.153 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.01 min  
Lab File: VX017292.D  
Acq: 09 Jul 2020 05:28

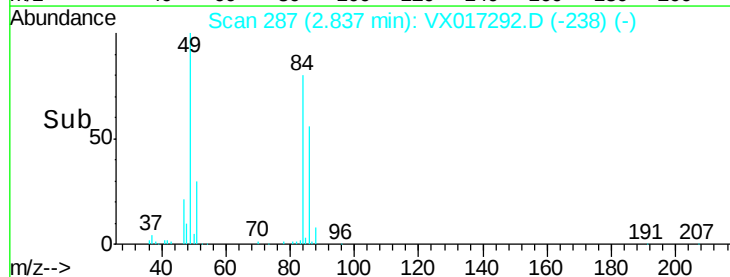
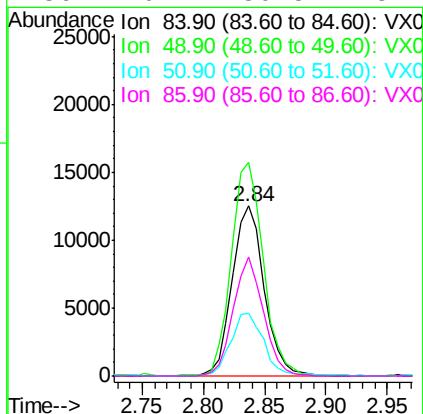
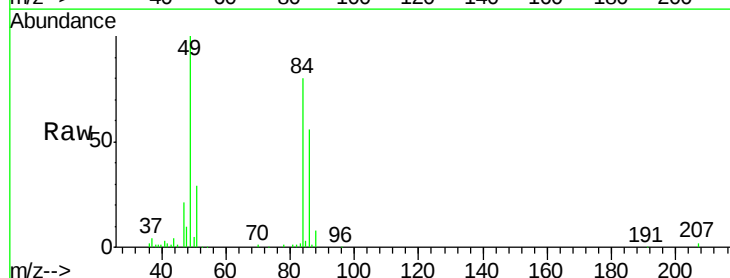
Instrument :  
MSVOA\_X  
ClientSampleId :  
OK-02-070720

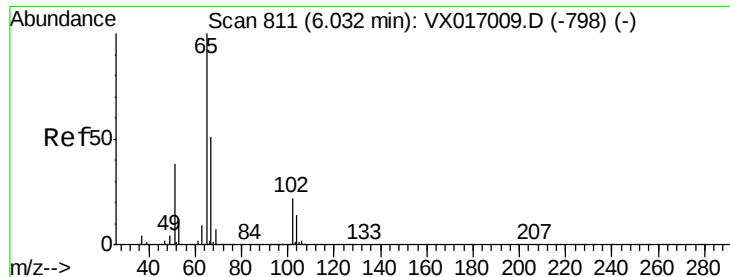
Tot Ion: 43 Resp: 3237  
Ion Ratio Lower Upper  
43 100  
74 25.6 19.3 28.9



#20  
Methylene Chloride  
Concen: 8.540 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX017292.D  
Acq: 09 Jul 2020 05:28

Tgt Ion: 84 Resp: 22665  
Ion Ratio Lower Upper  
84 100  
49 125.3 94.7 142.1  
51 37.0 28.6 42.8  
86 70.2 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 54.846 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA\_X

ClientSampleId :

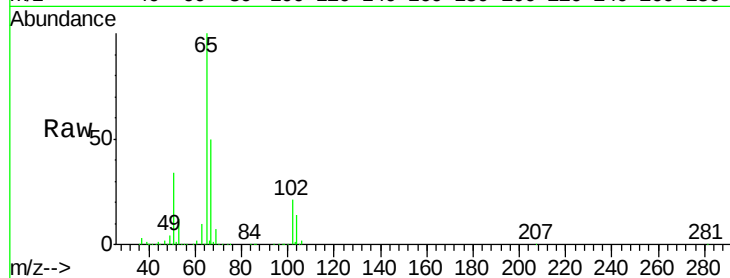
OK-02-070720

Tot Ion: 65 Resp: 157669

Ion Ratio Lower Upper

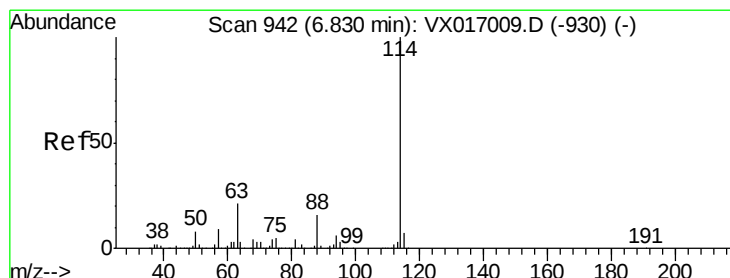
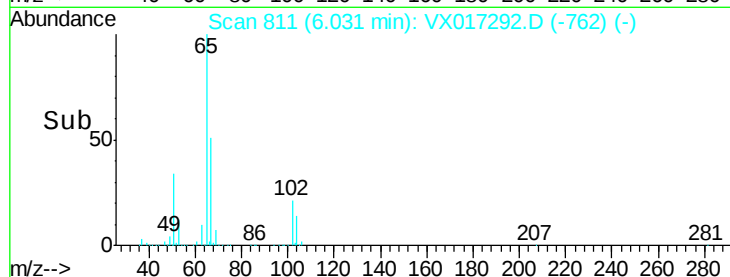
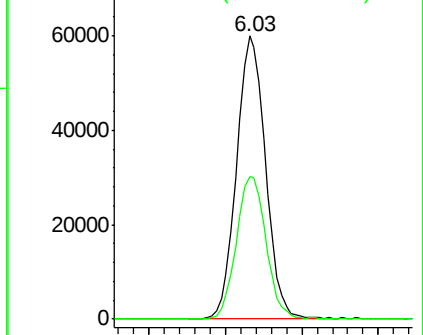
65 100

67 51.3 0.0 103.8



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: VX017292.D

Acq: 09 Jul 2020 05:28

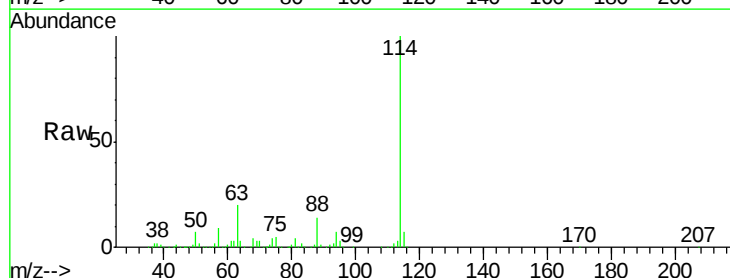
Tgt Ion: 114 Resp: 391829

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

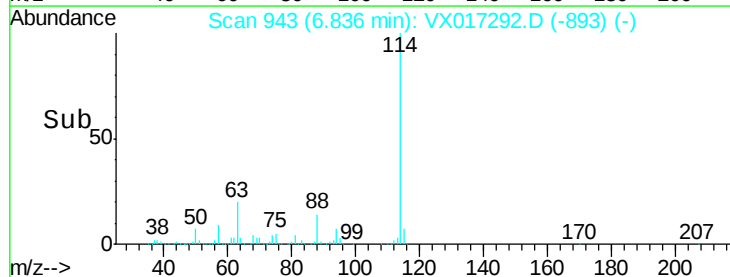
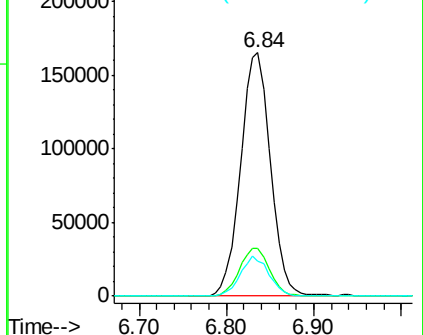
88 14.4 0.0 32.4

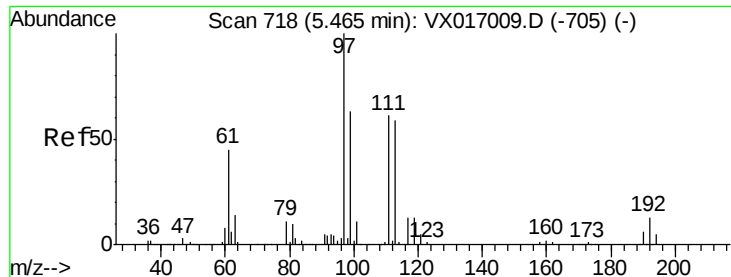


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

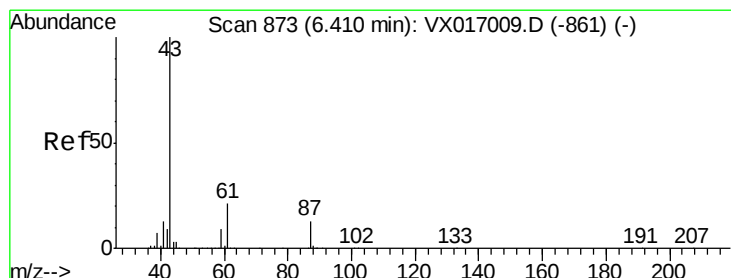
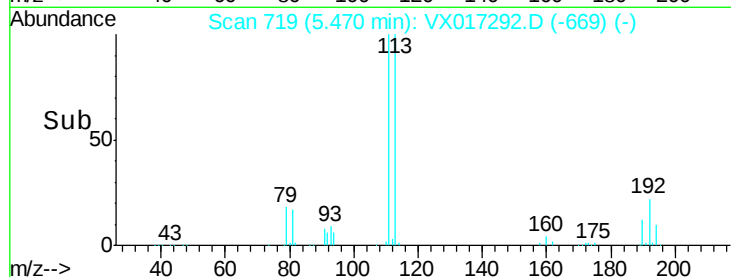
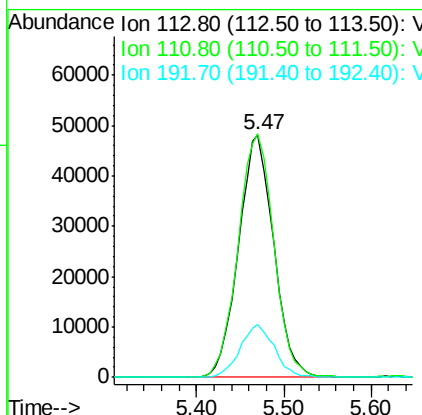
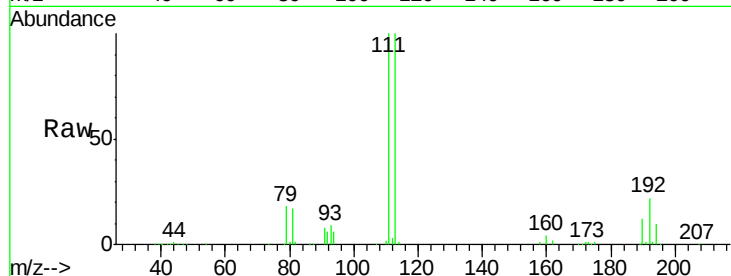




#35  
 Dibromofluoromethane  
 Concen: 54.129 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. 0.01 min  
 Lab File: VX017292.D  
 Acq: 09 Jul 2020 05:28

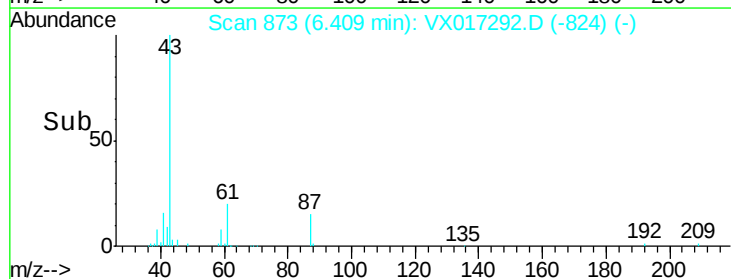
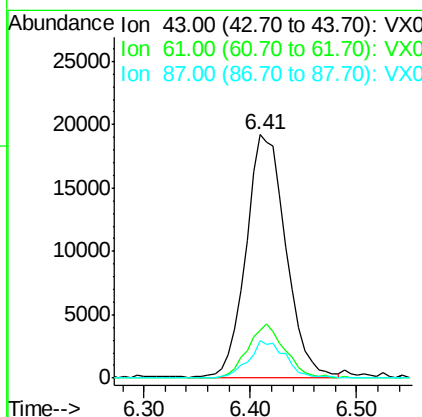
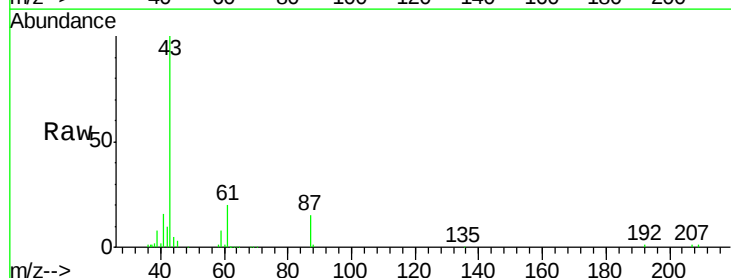
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OK-02-070720

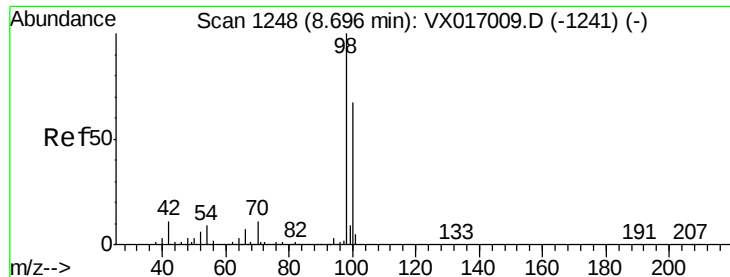
Tot Ion:113 Resp: 134163  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 81.9 122.9  
 192 21.3 16.7 25.1



#43  
 Isopropyl Acetate  
 Concen: 8.007 ug/l  
 RT: 6.41 min Scan# 873  
 Delta R.T. -0.00 min  
 Lab File: VX017292.D  
 Acq: 09 Jul 2020 05:28

Tgt Ion: 43 Resp: 49993  
 Ion Ratio Lower Upper  
 43 100  
 61 20.9 16.2 24.2  
 87 14.5 10.7 16.1





#50

Toluene-d8

Concen: 54.850 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA\_X

ClientSampleId :

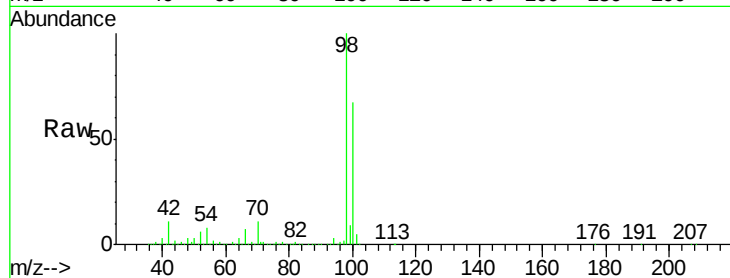
OK-02-070720

Tot Ion: 98 Resp: 502715

Ion Ratio Lower Upper

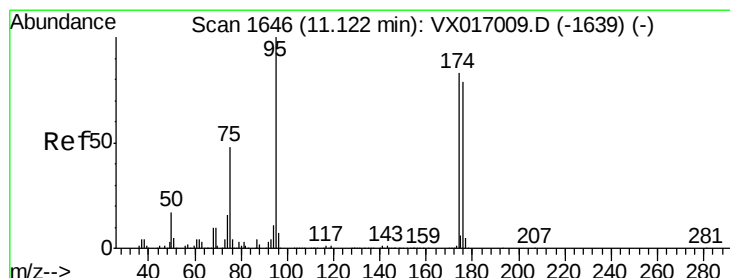
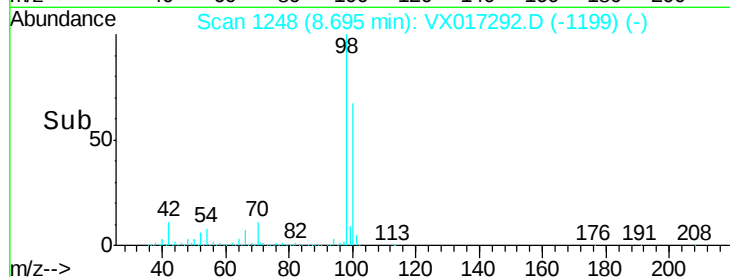
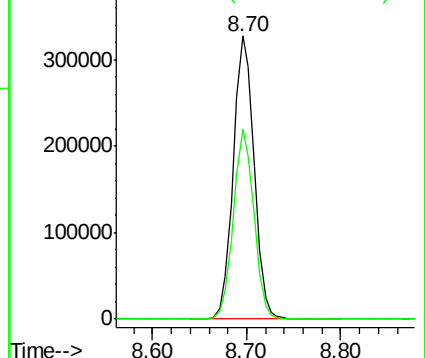
98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 56.718 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

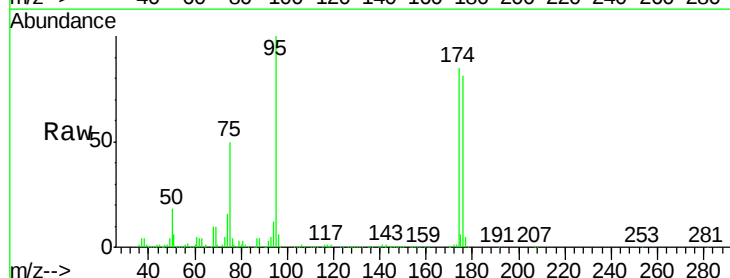
Tgt Ion: 95 Resp: 203212

Ion Ratio Lower Upper

95 100

174 85.9 0.0 164.0

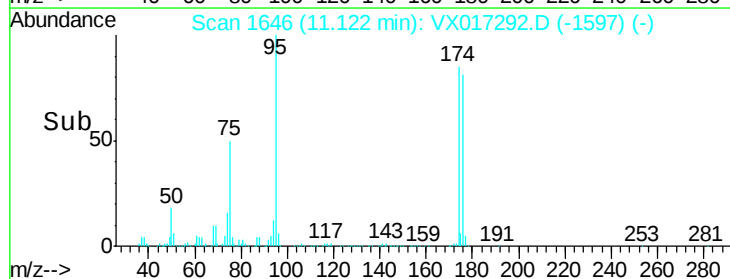
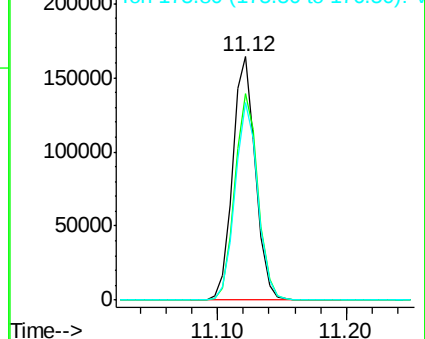
176 81.2 0.0 157.6

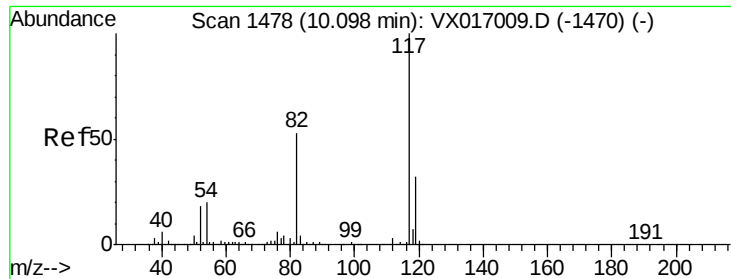


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

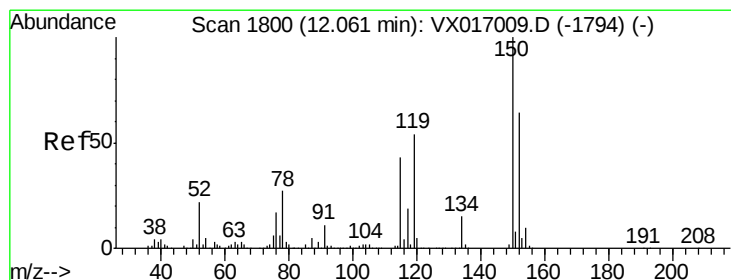
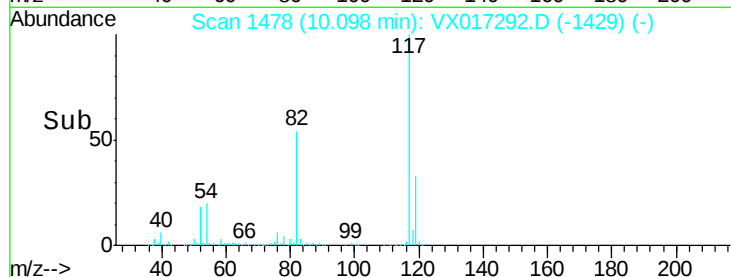
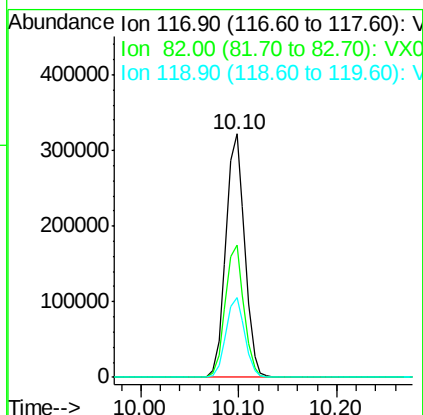
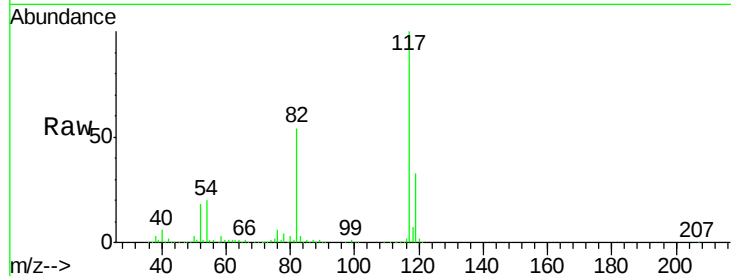




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017292.D  
Acq: 09 Jul 2020 05:28

Instrument :  
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ClientSampleId :  
OK-02-070720

Tot Ion:117 Resp: 431286  
Ion Ratio Lower Upper  
117 100  
82 54.2 42.6 63.8  
119 32.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017292.D  
Acq: 09 Jul 2020 05:28

Tgt Ion:152 Resp: 220002  
Ion Ratio Lower Upper  
152 100  
115 57.3 40.9 122.7  
150 159.0 0.0 351.6

