

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060820\  
 Data File : VX016641.D  
 Acq On : 08 Jun 2020 16:49  
 Operator : JC/SP  
 Sample : PB129340ZHE#08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB129340ZHE#08

Quant Time: Jun 09 06:16:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

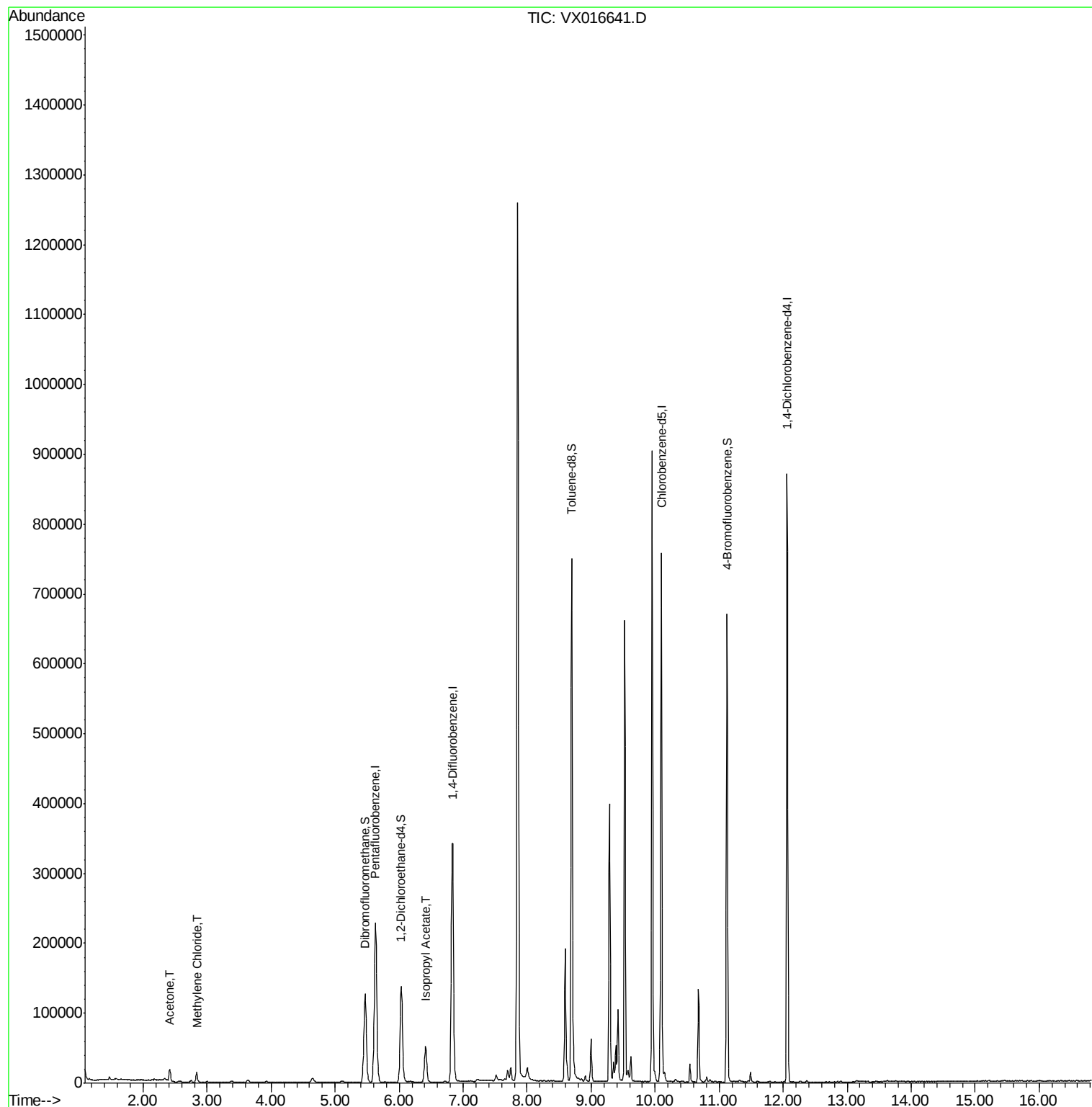
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 223205   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 359493   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 364717   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 188878   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 132233   | 47.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.40%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 108484   | 49.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.02%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 442743   | 51.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.78% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 179804   | 54.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.02% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.42  | 43   | 18796    | 15.477 | ug/l    | 95       |
| 20) Methylene Chloride      | 2.84  | 84   | 6327     | 2.518  | ug/l    | 93       |
| 43) Isopropyl Acetate       | 6.42  | 43   | 68020    | 10.671 | ug/l    | 98       |

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

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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: VX016641.D

Acq: 08 Jun 2020 16:49

Instrument :

MSVOA\_X

ClientSampleId :

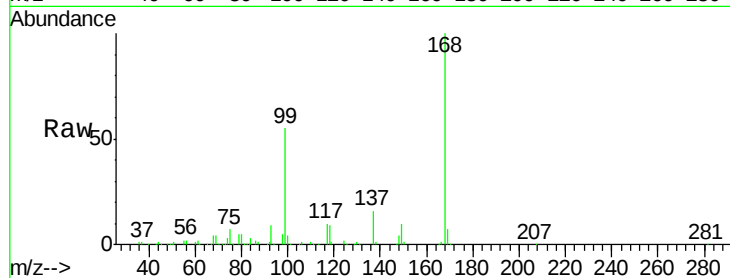
PB129340ZHE#08

Tot Ion:168 Resp: 223205

Ion Ratio Lower Upper

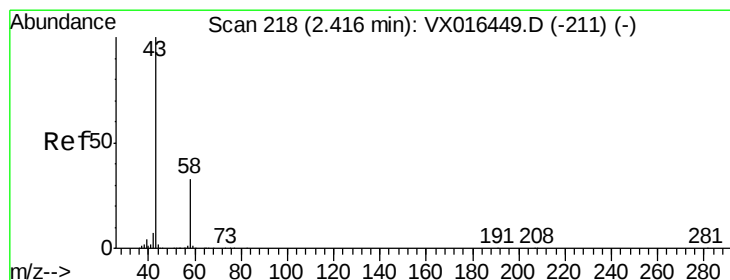
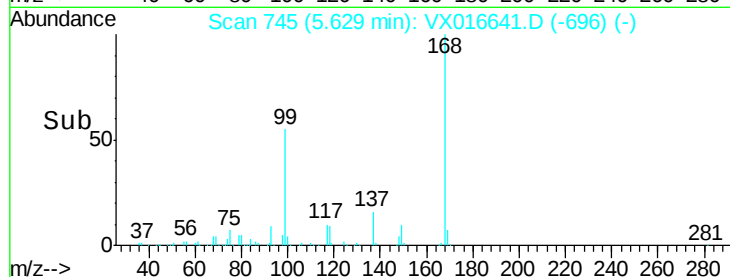
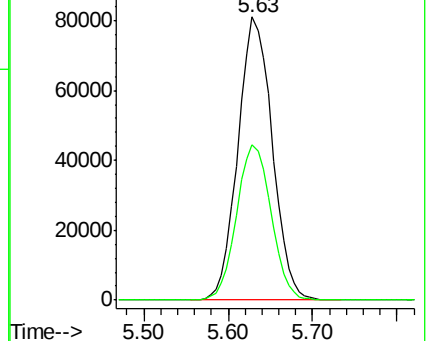
168 100

99 54.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 15.477 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016641.D

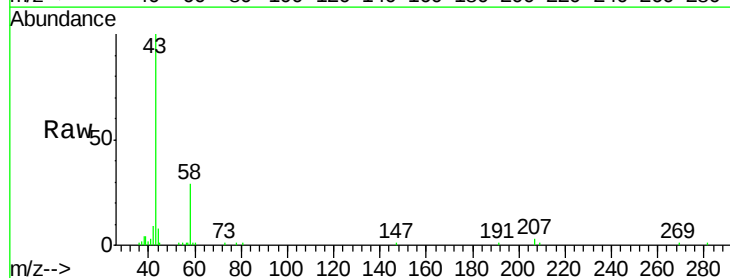
Acq: 08 Jun 2020 16:49

Tgt Ion: 43 Resp: 18796

Ion Ratio Lower Upper

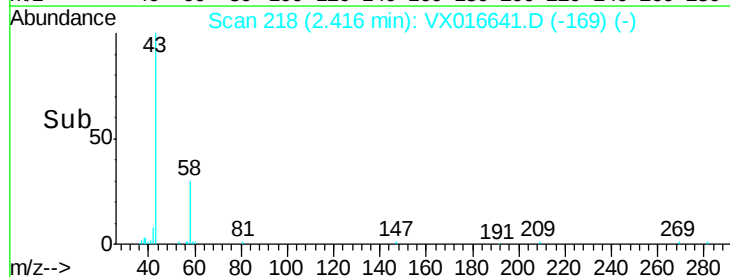
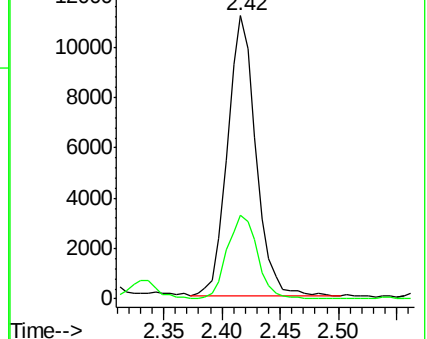
43 100

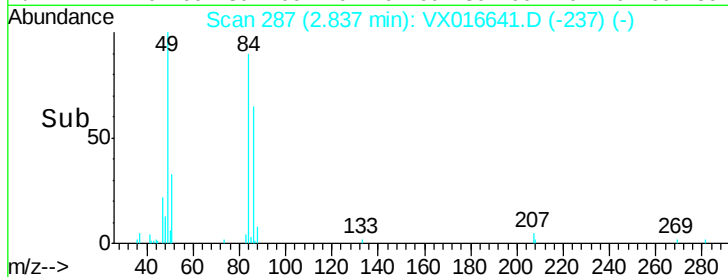
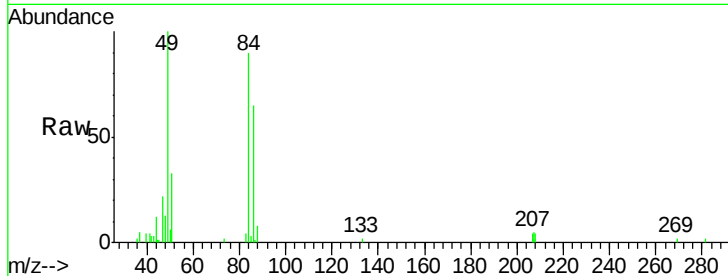
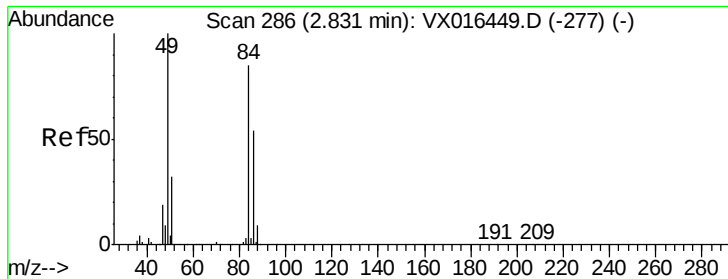
58 29.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

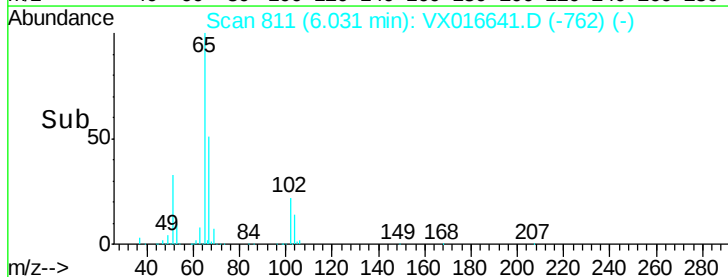
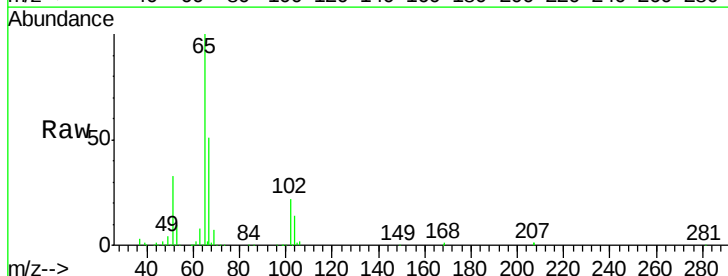
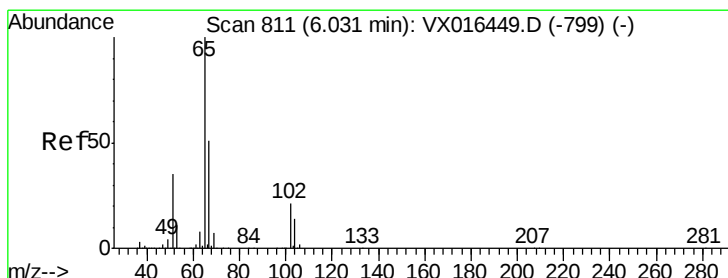
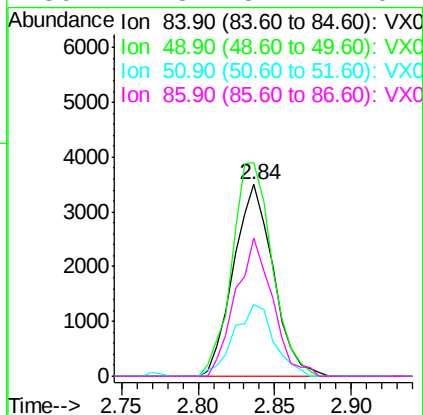




#20  
Methvlene Chloride  
Concen: 2.518 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.01 min  
Lab File: VX016641.D  
Acq: 08 Jun 2020 16:49

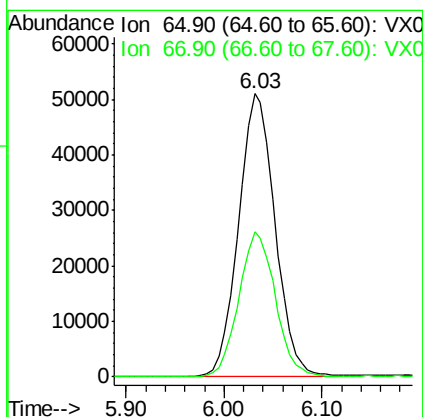
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB129340ZHE#08

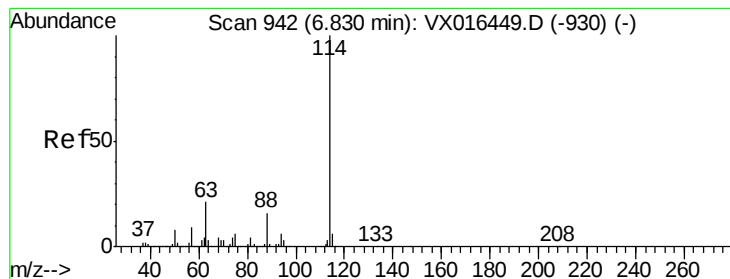
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 6327  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 111.4 | 94.5  | 141.7 |
| 51       | 37.2  | 30.2  | 45.4  |
| 86       | 72.3  | 51.1  | 76.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 47.705 ug/l  
RT: 6.03 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: VX016641.D  
Acq: 08 Jun 2020 16:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 132233 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.5  | 0.0   | 104.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016641.D

Acq: 08 Jun 2020 16:49

Instrument :

MSVOA\_X

ClientSampleId :

PB129340ZHE#08

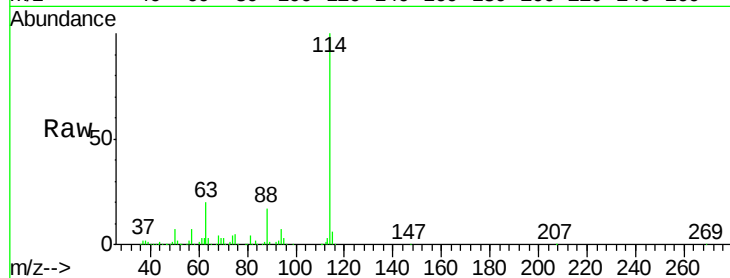
Tot Ion:114 Resp: 359493

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 16.7 0.0 32.8



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

200000

150000

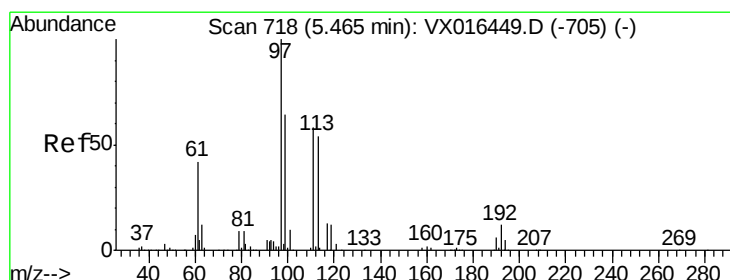
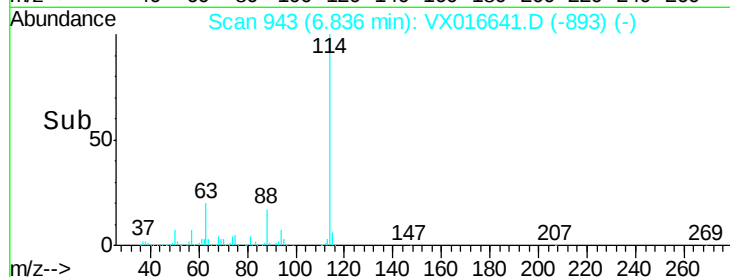
100000

50000

0

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016641.D

Acq: 08 Jun 2020 16:49

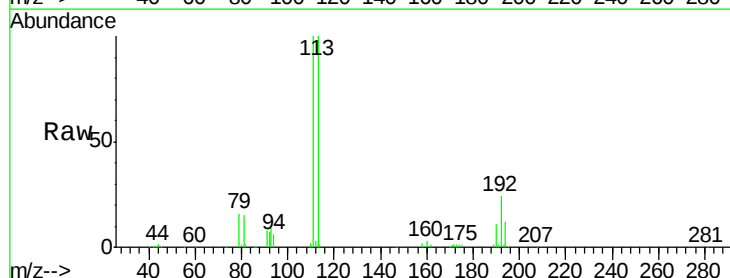
Tgt Ion:113 Resp: 108484

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

192 22.4 17.7 26.5



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

50000

40000

30000

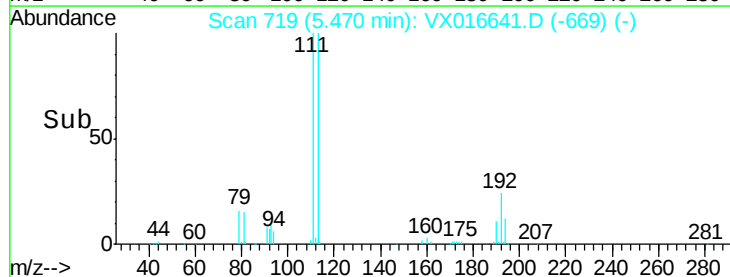
20000

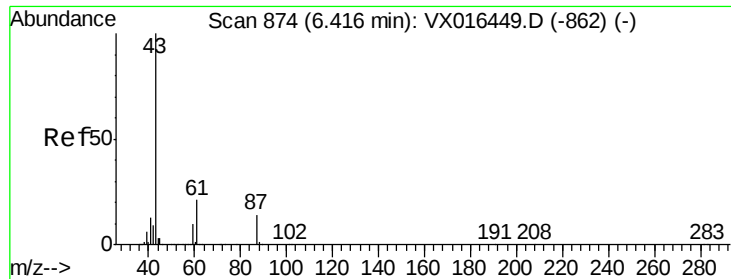
10000

0

5.30 5.40 5.50 5.60

Time-->





#43

Isopropyl Acetate

Concen: 10.671 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016641.D

Acq: 08 Jun 2020 16:49

Instrument :

MSVOA\_X

ClientSampleId :

PB129340ZHE#08

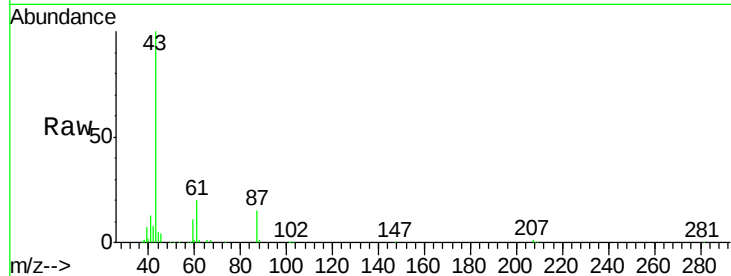
Tot Ion: 43 Resp: 68020

Ion Ratio Lower Upper

43 100

61 21.9 16.8 25.2

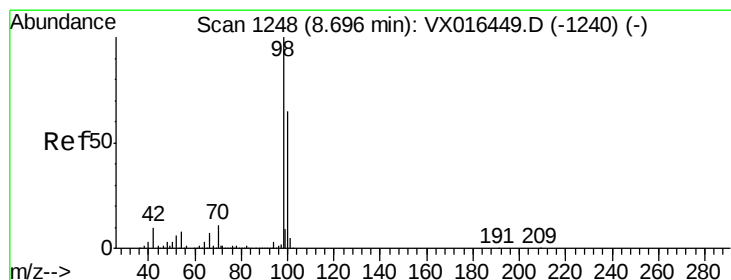
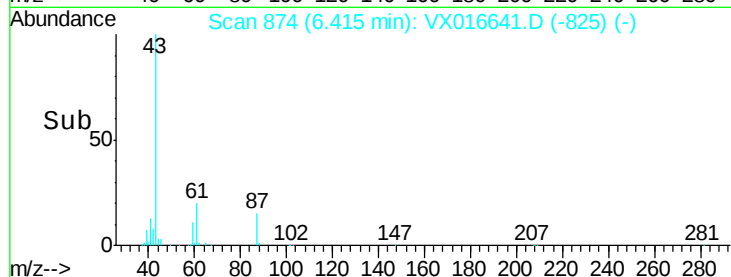
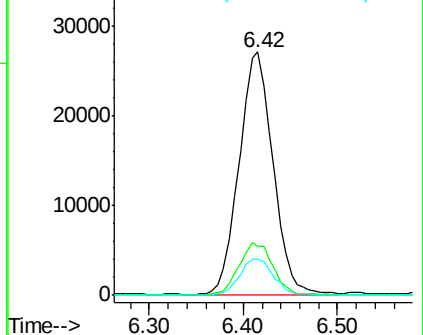
87 15.2 11.2 16.8



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: 51.388 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016641.D

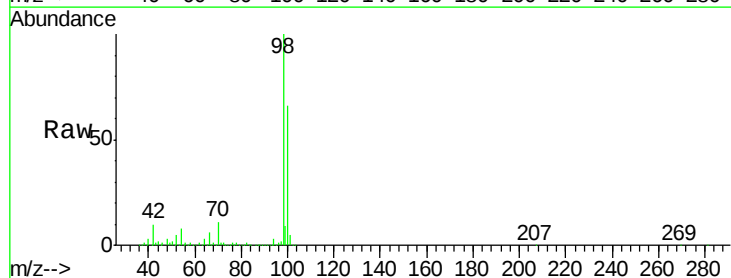
Acq: 08 Jun 2020 16:49

Tgt Ion: 98 Resp: 442743

Ion Ratio Lower Upper

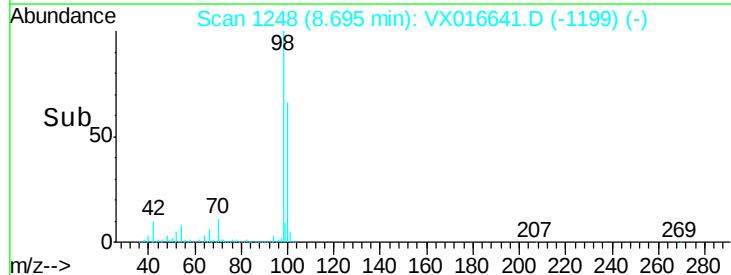
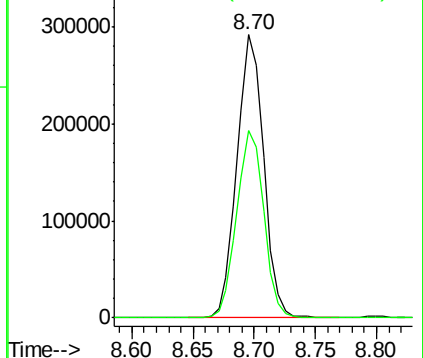
98 100

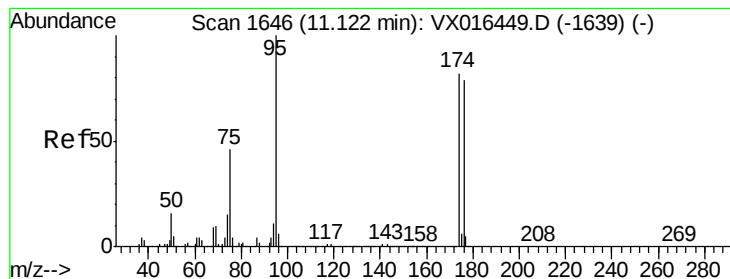
100 67.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.010 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016641.D

Acq: 08 Jun 2020 16:49

Instrument :

MSVOA\_X

ClientSampleId :

PB129340ZHE#08

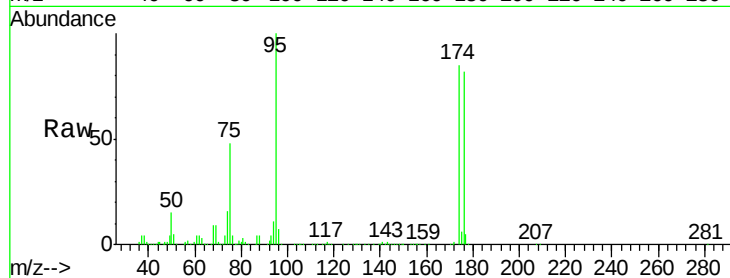
Tot Ion: 95 Resp: 179804

Ion Ratio Lower Upper

95 100

174 86.2 0.0 163.0

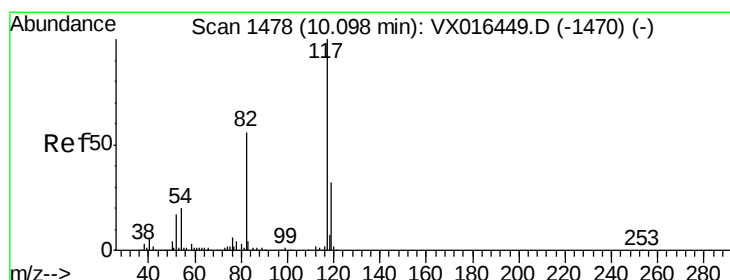
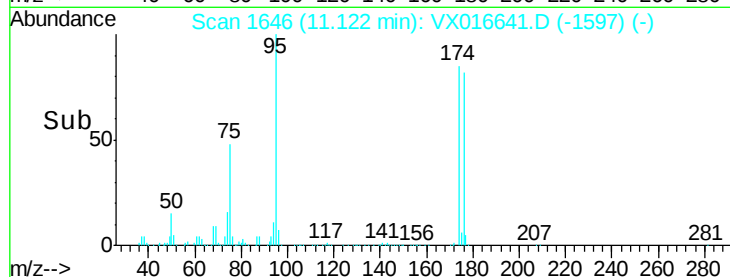
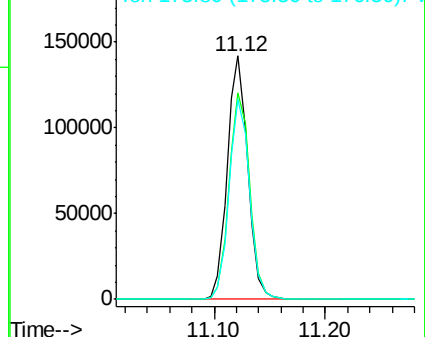
176 82.4 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016641.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016641.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016641.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016641.D

Acq: 08 Jun 2020 16:49

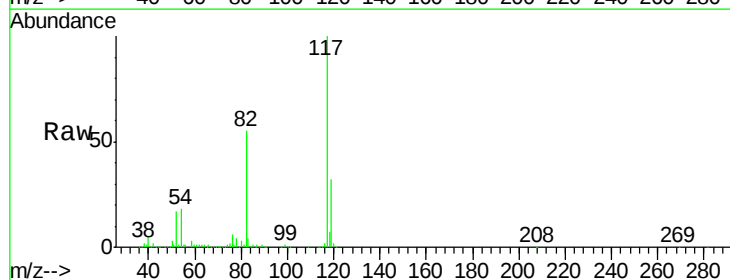
Tgt Ion: 117 Resp: 364717

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.6

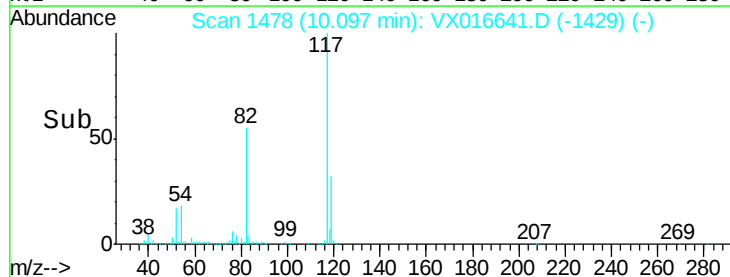
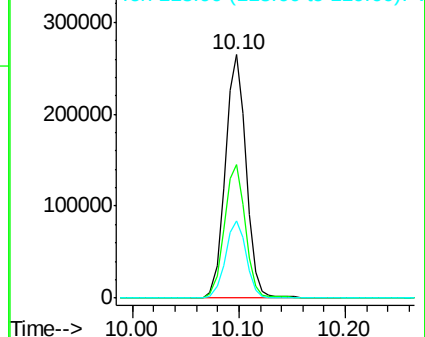
119 31.8 25.8 38.8

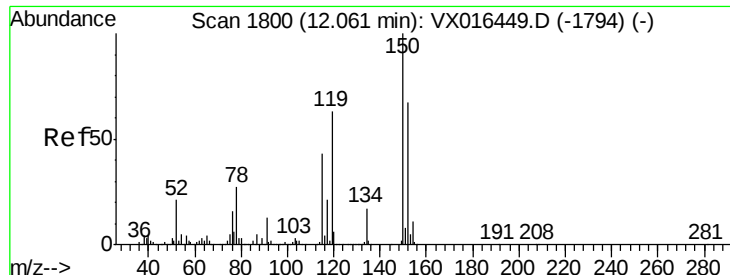


Abundance Ion 116.90 (116.60 to 117.60): VX016641.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016641.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016641.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016641.D

Acq: 08 Jun 2020 16:49

Instrument :

MSVOA\_X

ClientSampleId :

PB129340ZHE#08

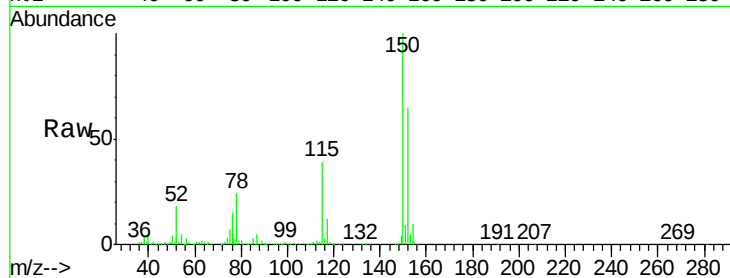
Tot Ion:152 Resp: 188878

Ion Ratio Lower Upper

152 100

115 57.3 39.9 119.6

150 154.7 0.0 341.0



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

