

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX010820\  
 Data File : VX014481.D  
 Acq On : 08 Jan 2020 19:03  
 Operator : JC/SP  
 Sample : PB125936ZHE#05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB125936ZHE#05

Quant Time: Jan 09 07:37:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 15:54:41 2020  
 Response via : Initial Calibration

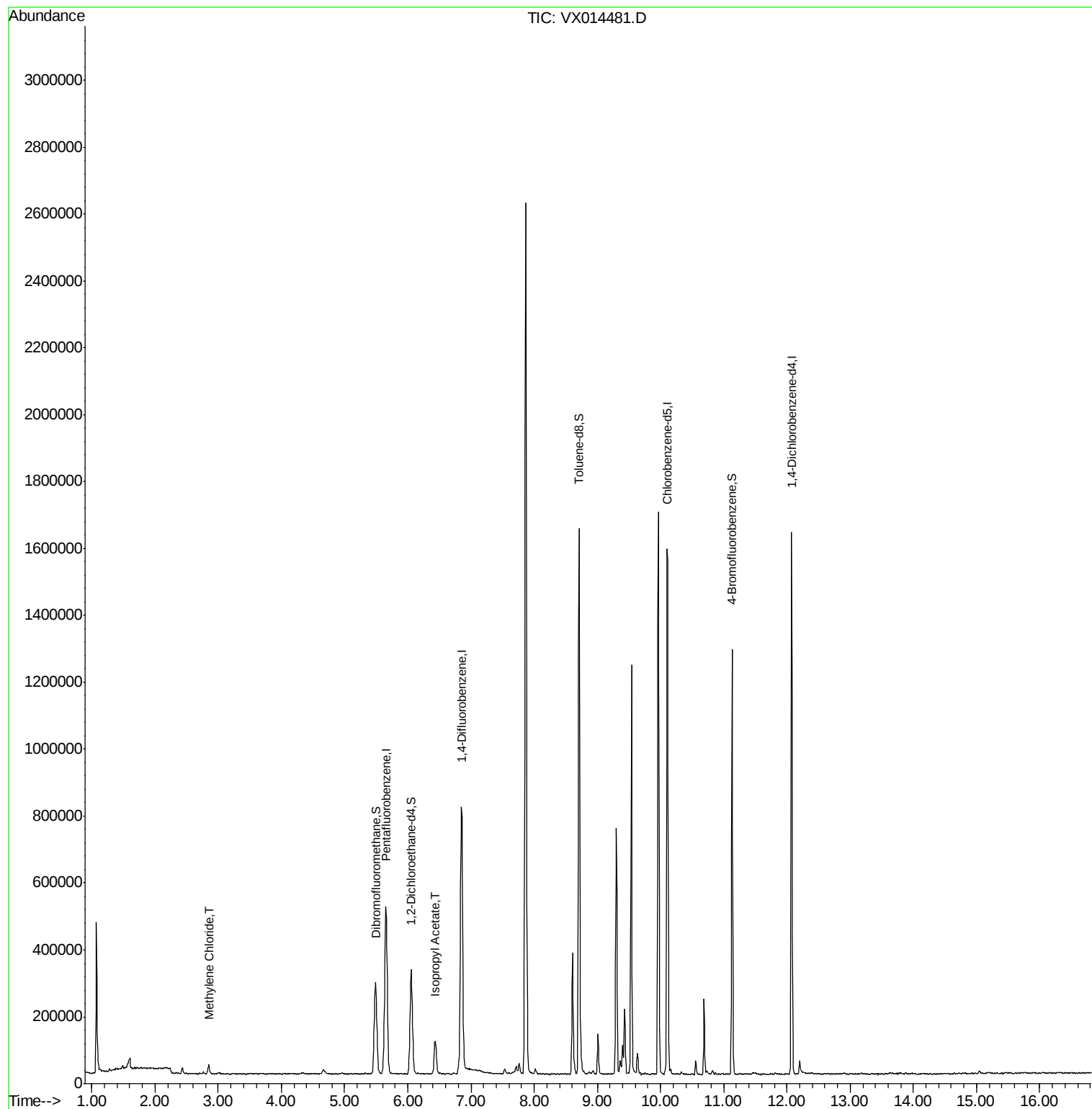
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 526703   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 822659   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 737698   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 342001   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 290409   | 49.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.78%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 240817   | 48.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.72%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 975371   | 50.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.94% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 337469   | 47.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.14%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 2.85  | 84   | 12508    | 2.115  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.43  | 43   | 137783   | 10.150 | ug/l    | 99       |

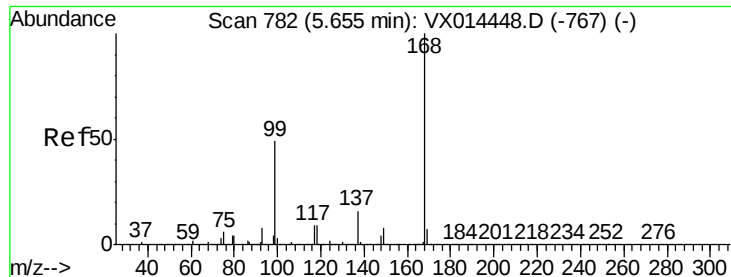
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jan 07 15:54:41 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

Instrument :

MSVOA\_X

ClientSampleId :

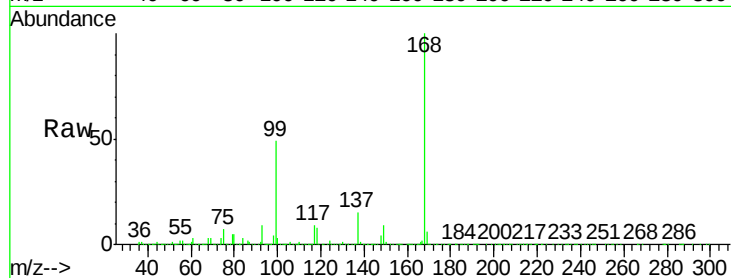
PB125936ZHE#05

Tgt Ion:168 Resp: 526703

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

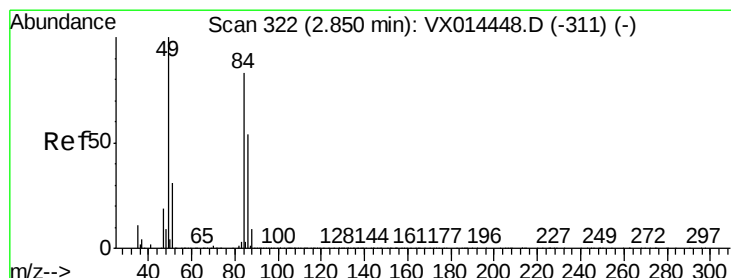
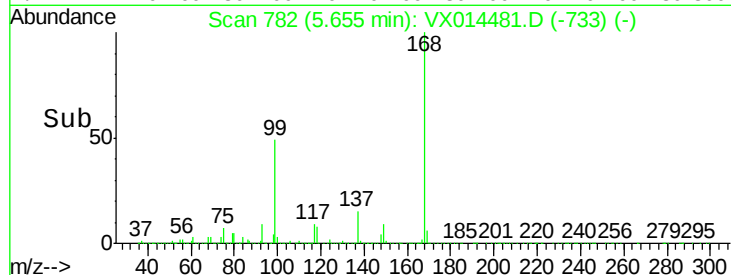
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 2.115 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

Tgt Ion: 84 Resp: 12508

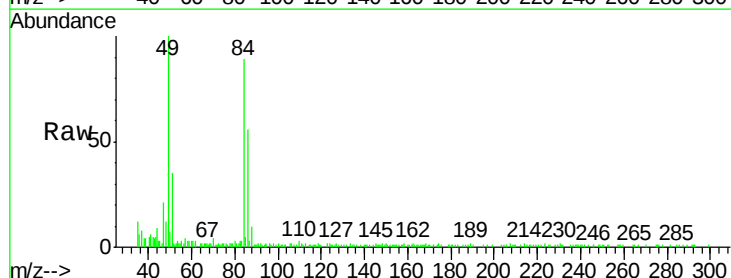
Ion Ratio Lower Upper

84 100

49 111.2 95.8 143.8

51 37.4 30.2 45.4

86 61.2 51.8 77.6



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

12000

10000

8000

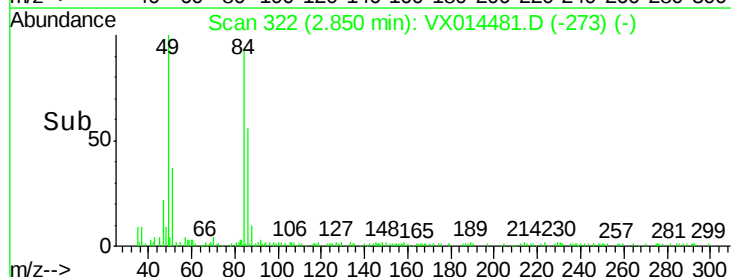
6000

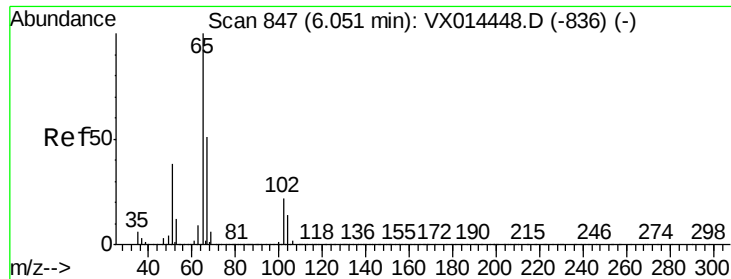
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.391 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

Instrument :

MSVOA\_X

ClientSampleId :

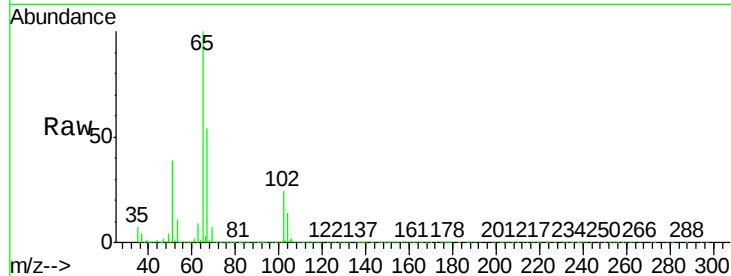
PB125936ZHE#05

Tgt Ion: 65 Resp: 290409

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

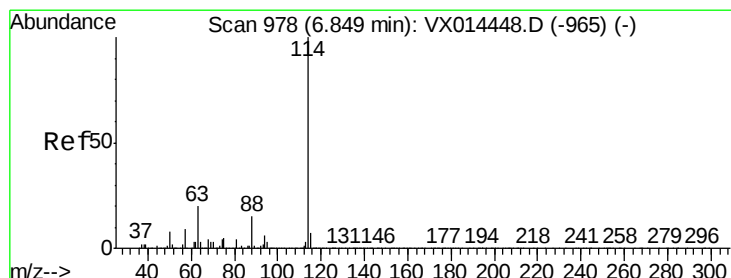
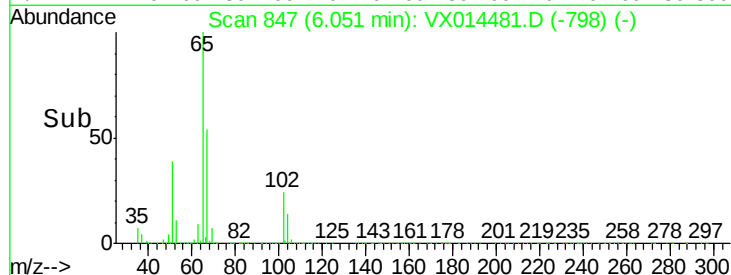
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

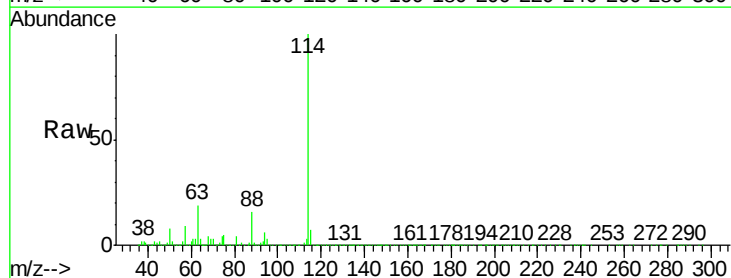
Tgt Ion: 114 Resp: 822659

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 16.0 0.0 30.8



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

6.85

400000

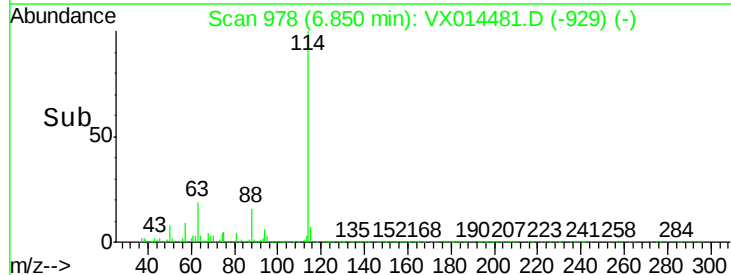
300000

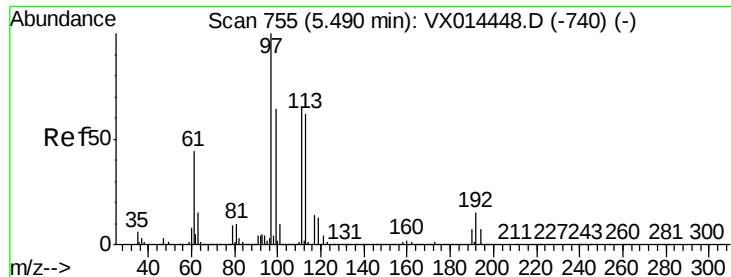
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.358 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

Instrument :

MSVOA\_X

ClientSampleId :

PB125936ZHE#05

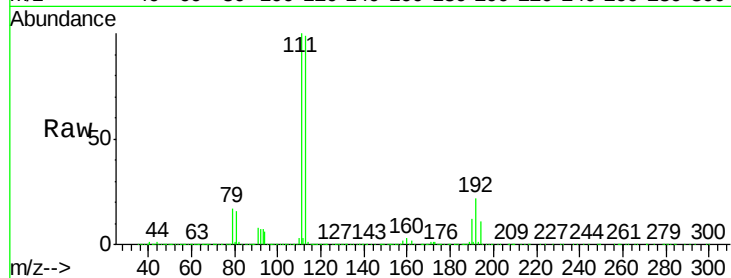
Tgt Ion: 113 Resp: 240817

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

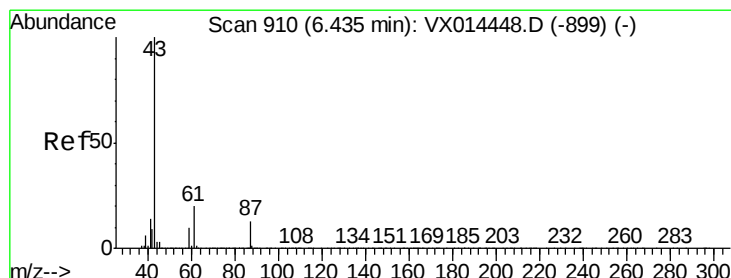
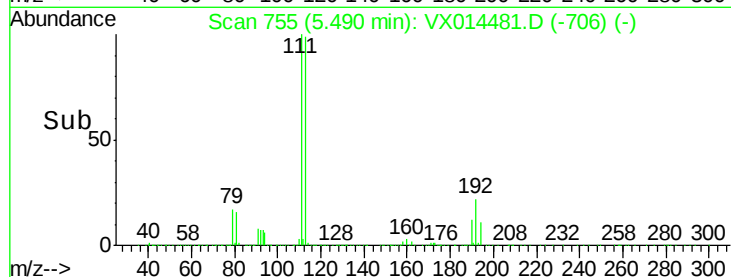
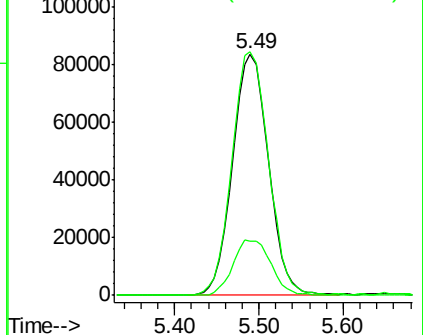
192 24.3 19.2 28.8



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: 10.150 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

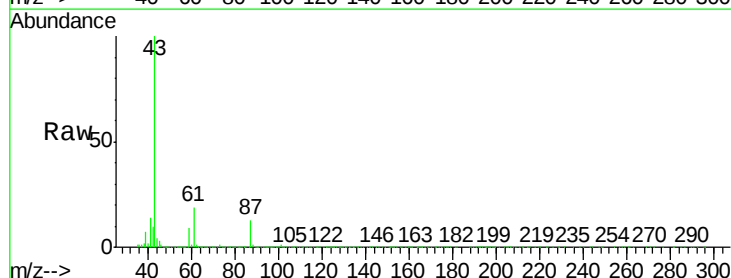
Tgt Ion: 43 Resp: 137783

Ion Ratio Lower Upper

43 100

61 20.6 16.6 24.8

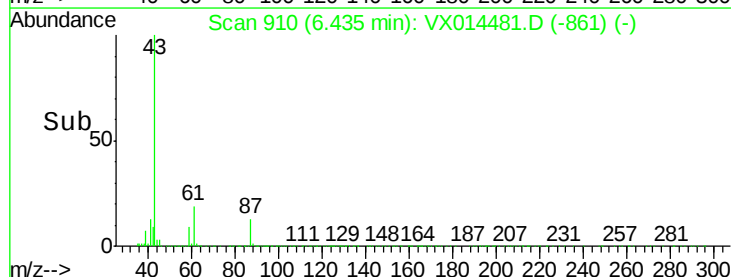
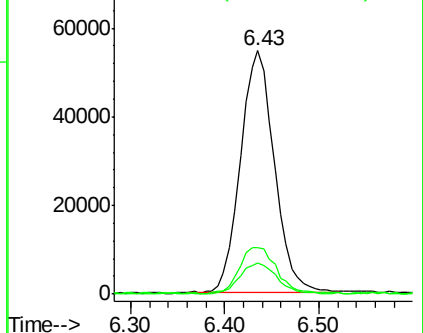
87 13.2 10.8 16.2

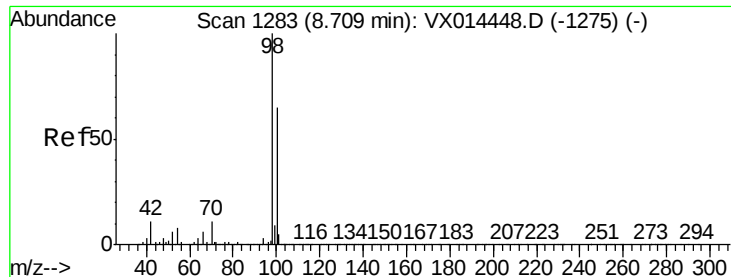


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 50.471 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

Instrument :

MSVOA\_X

ClientSampleId :

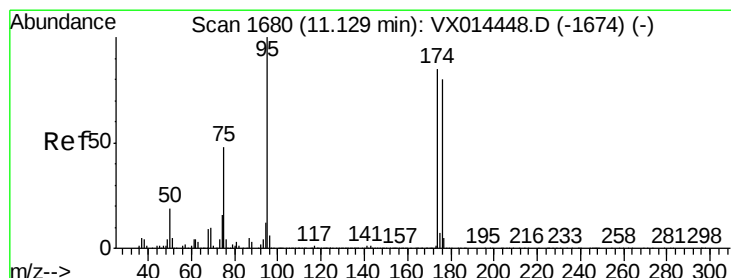
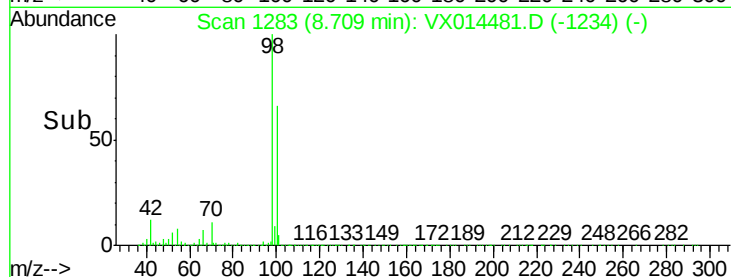
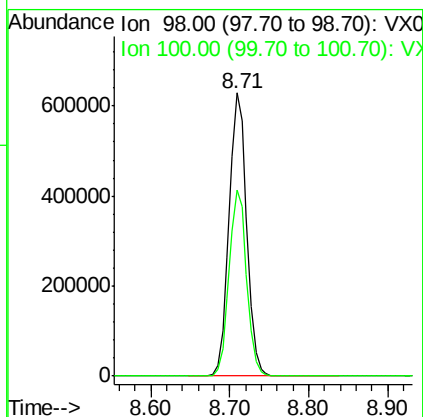
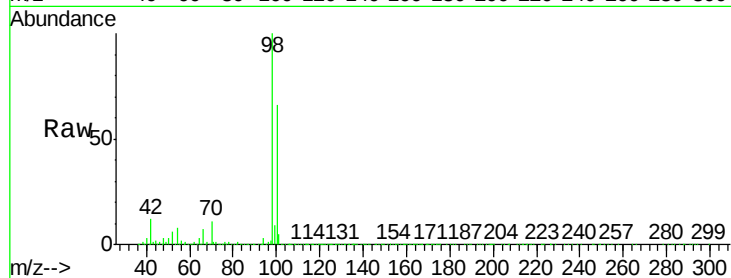
PB125936ZHE#05

Tgt Ion: 98 Resp: 975371

Ion Ratio Lower Upper

98 100

100 65.3 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 47.567 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014481.D

Acq: 08 Jan 2020 19:03

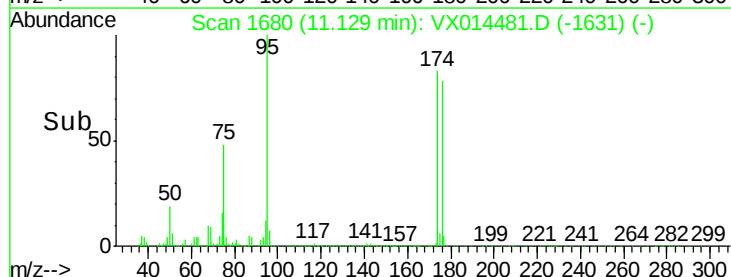
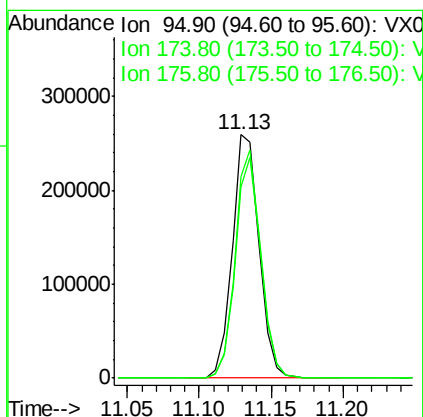
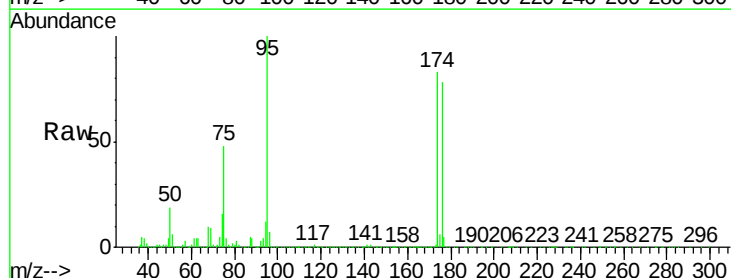
Tgt Ion: 95 Resp: 337469

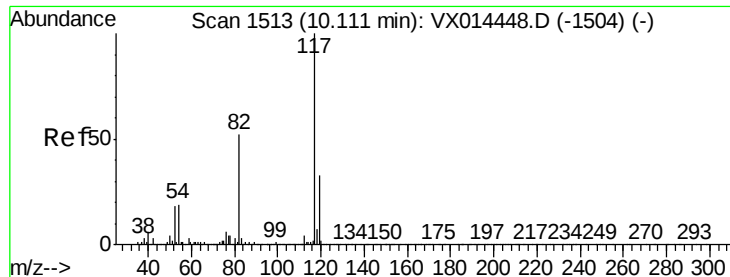
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.8

176 86.5 0.0 172.8

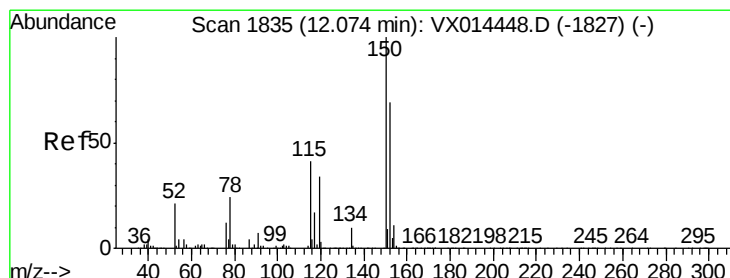
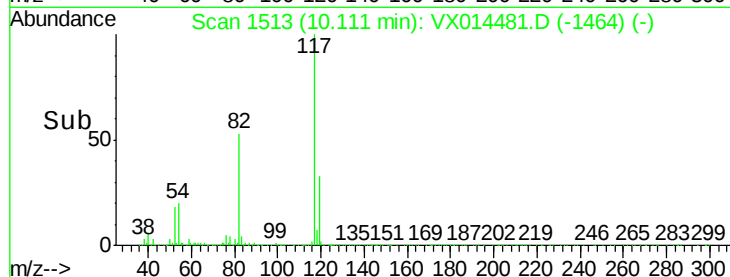
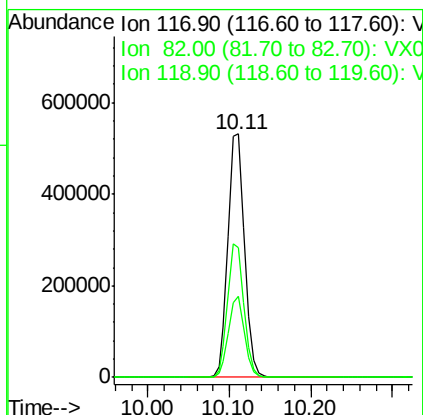
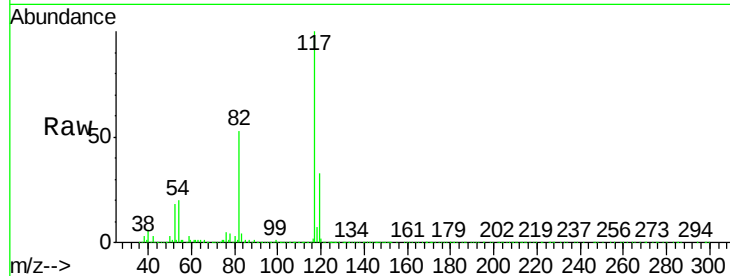




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX014481.D  
Acq: 08 Jan 2020 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB125936ZHE#05

Tgt Ion:117 Resp: 737698  
Ion Ratio Lower Upper  
117 100  
82 53.2 41.8 62.6  
119 33.4 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014481.D  
Acq: 08 Jan 2020 19:03

Tgt Ion:152 Resp: 342001  
Ion Ratio Lower Upper  
152 100  
115 54.8 39.5 118.3  
150 154.7 0.0 350.2

