

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX031120\  
 Data File : VX015208.D  
 Acq On : 11 Mar 2020 18:03  
 Operator : JC/SP  
 Sample : PB127431ZHE#17  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB127431ZHE#17

Quant Time: Mar 12 07:10:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 283852   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 471209   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 465746   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 232307   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 165801   | 49.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.46%  |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 146397   | 49.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.50%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 578276   | 51.14 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.28% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 211676   | 52.48 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.96% |      |

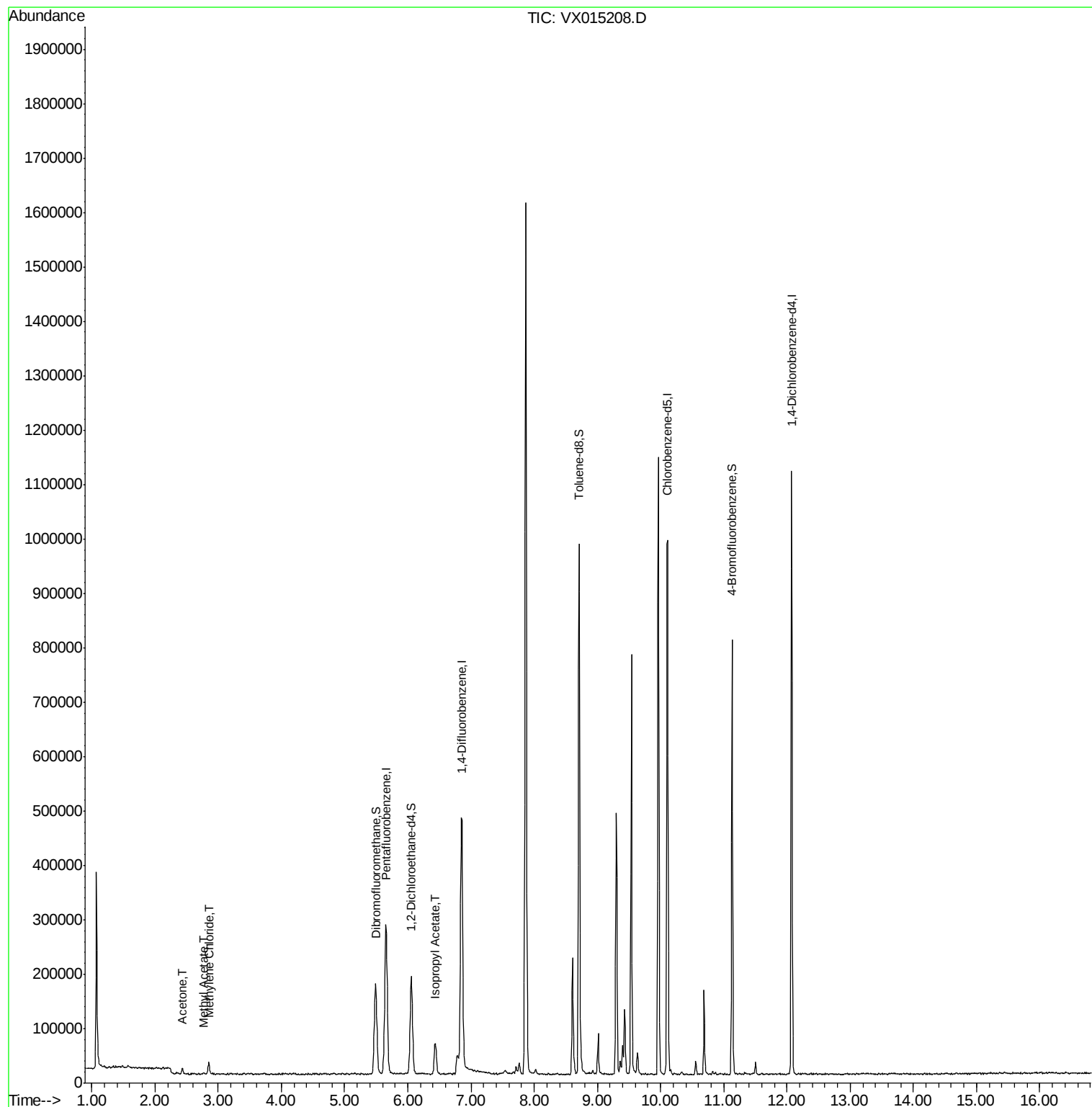
| Target Compounds       |      |    |       |       |      | Qvalue |
|------------------------|------|----|-------|-------|------|--------|
| 16) Acetone            | 2.43 | 43 | 10484 | 7.69  | ug/l | # 84   |
| 18) Methyl Acetate     | 2.76 | 43 | 4650  | 1.39  | ug/l | 99     |
| 20) Methylene Chloride | 2.85 | 84 | 9843  | 3.08  | ug/l | 96     |
| 43) Isopropyl Acetate  | 6.43 | 43 | 78724 | 11.07 | ug/l | 98     |

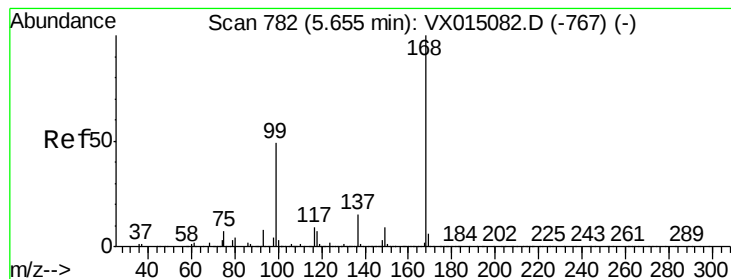
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX031120\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 14:19:10 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Instrument :

MSVOA\_X

ClientSampleId :

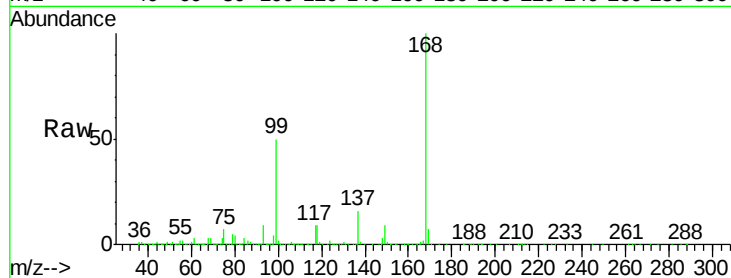
PB127431ZHE#17

Tgt Ion:168 Resp: 283852

Ion Ratio Lower Upper

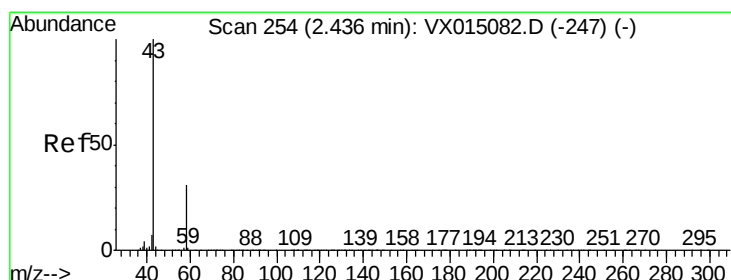
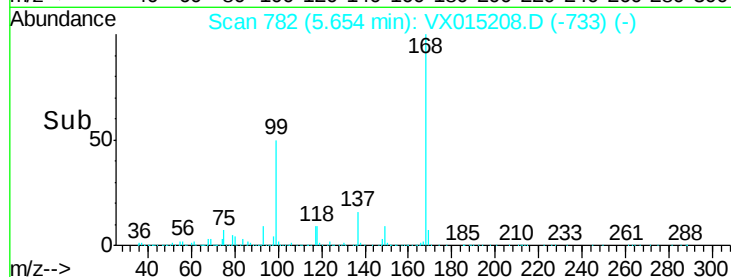
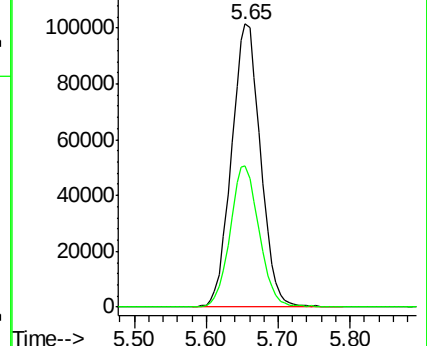
168 100

99 49.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 7.69 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015208.D

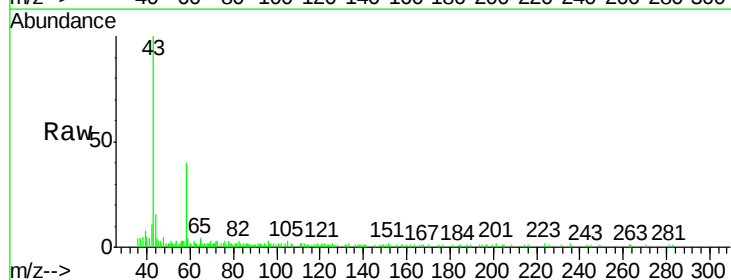
Acq: 11 Mar 2020 18:03

Tgt Ion: 43 Resp: 10484

Ion Ratio Lower Upper

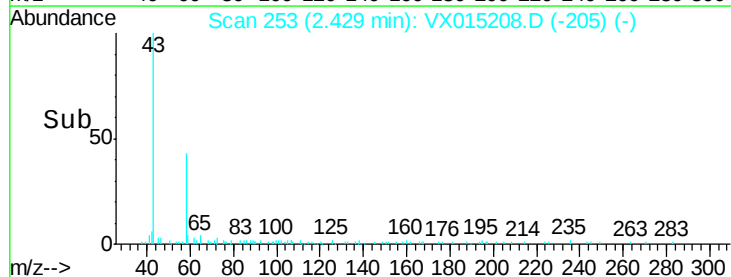
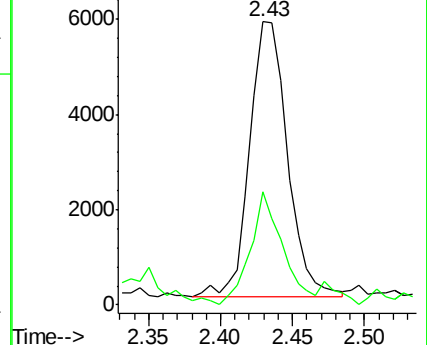
43 100

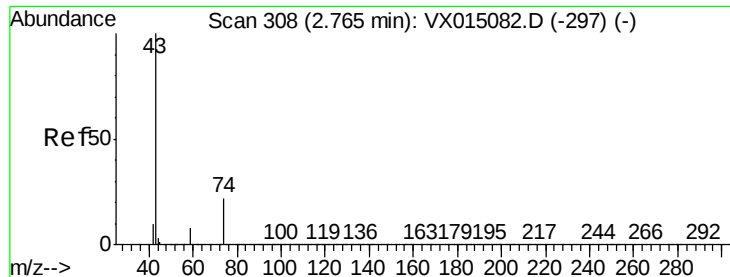
58 39.5 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 1.39 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Instrument :

MSVOA\_X

ClientSampleId :

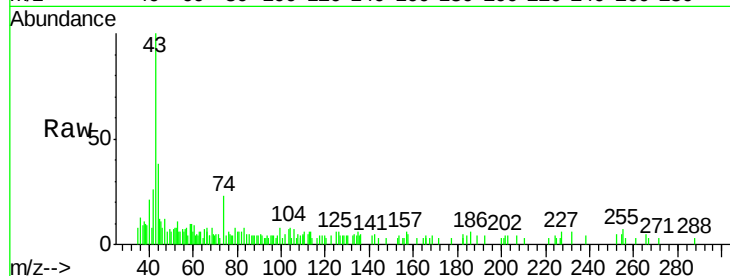
PB127431ZHE#17

Tgt Ion: 43 Resp: 4650

Ion Ratio Lower Upper

43 100

74 23.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2000

1500

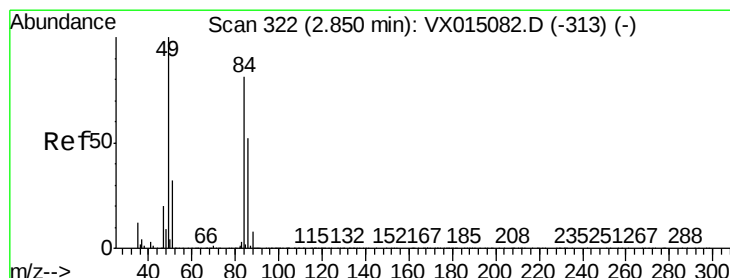
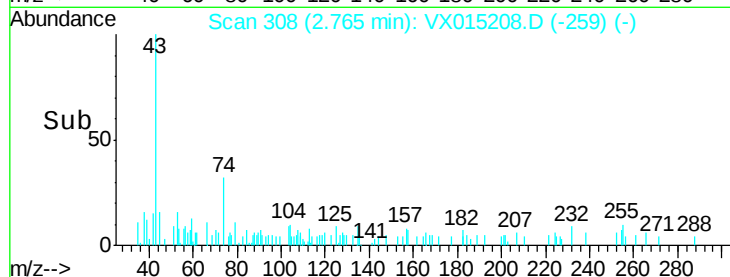
1000

500

0

2.65 2.70 2.75 2.80 2.85

Time-->



#20

Methylene Chloride

Concen: 3.08 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Tgt Ion: 84 Resp: 9843

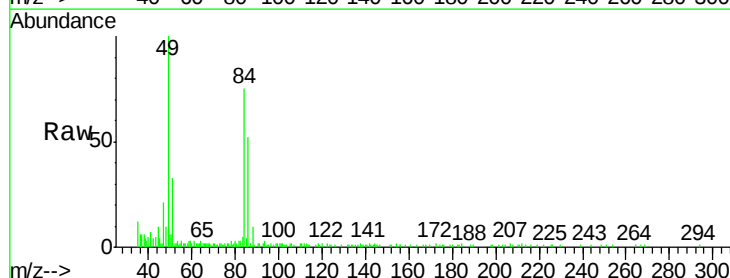
Ion Ratio Lower Upper

84 100

49 131.0 99.4 149.2

51 39.0 31.5 47.3

86 66.3 51.6 77.4



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

8000

6000

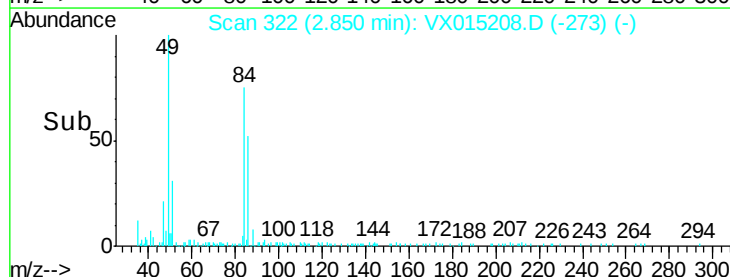
4000

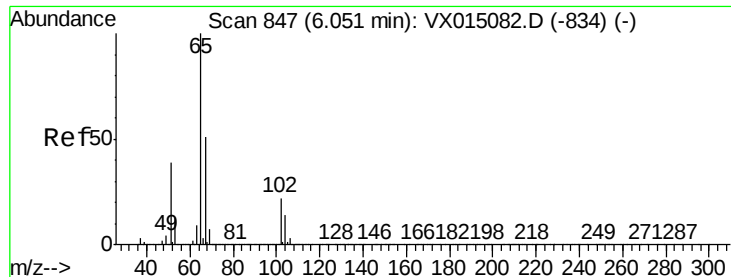
2000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.23 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Instrument :

MSVOA\_X

ClientSampleId :

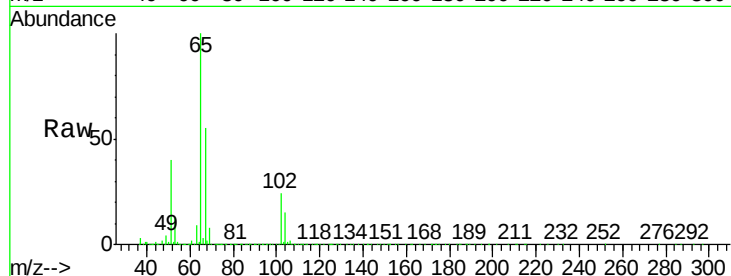
PB127431ZHE#17

Tgt Ion: 65 Resp: 165801

Ion Ratio Lower Upper

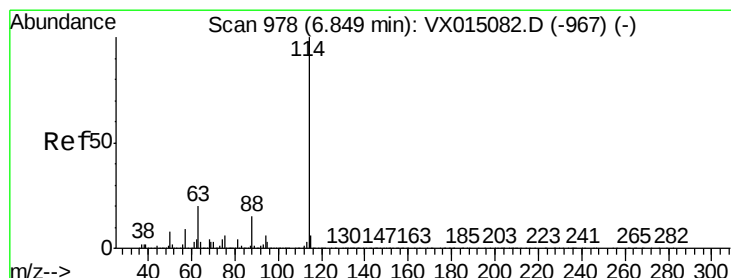
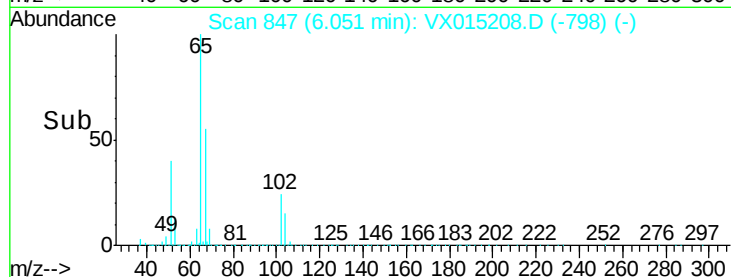
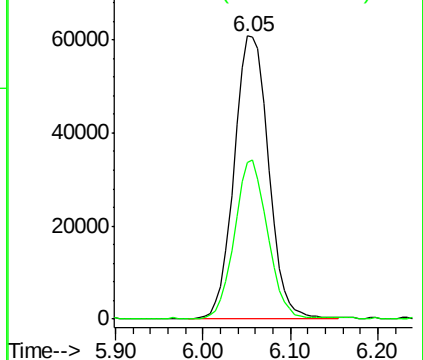
65 100

67 54.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

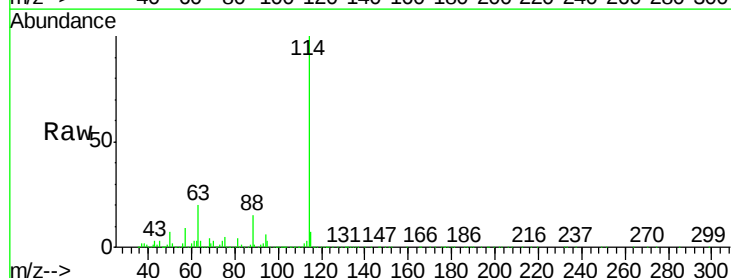
Tgt Ion: 114 Resp: 471209

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

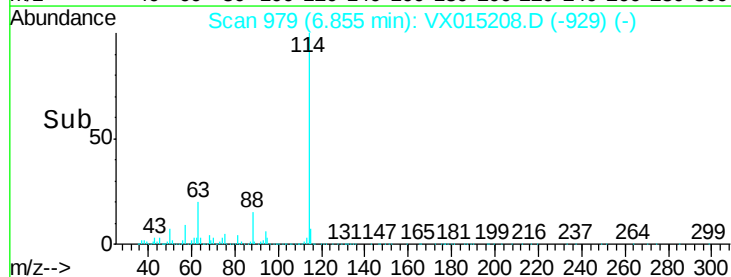
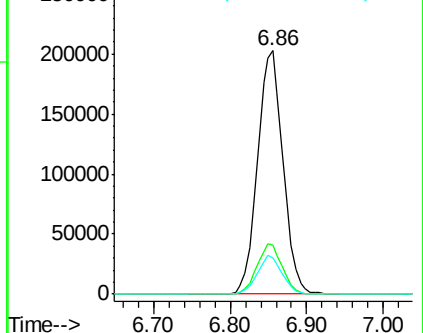
88 15.0 0.0 30.6

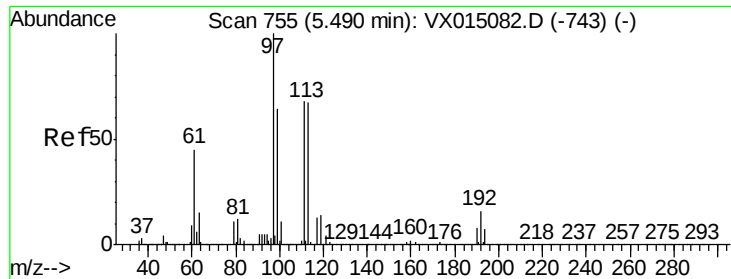


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.25 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Instrument :

MSVOA\_X

ClientSampleId :

PB127431ZHE#17

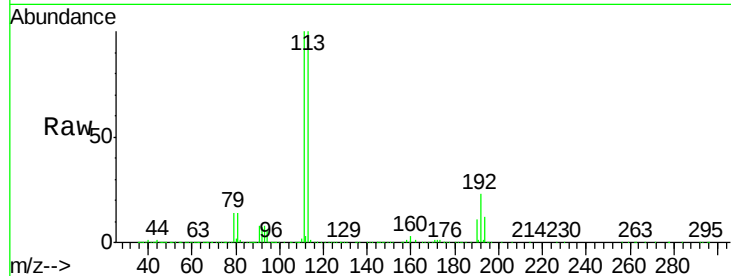
Tgt Ion:113 Resp: 146397

Ion Ratio Lower Upper

113 100

111 100.8 82.6 123.8

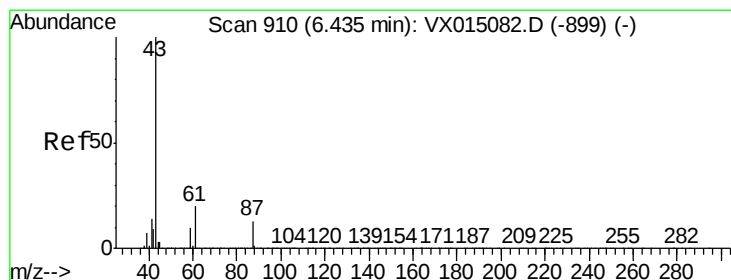
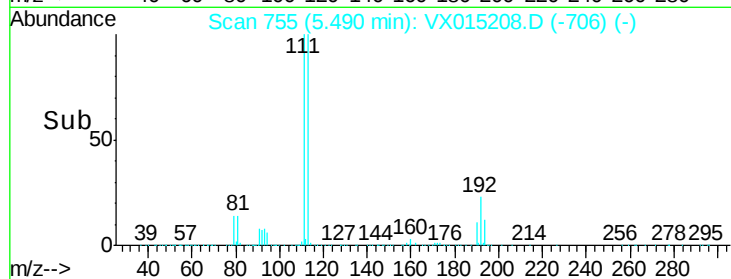
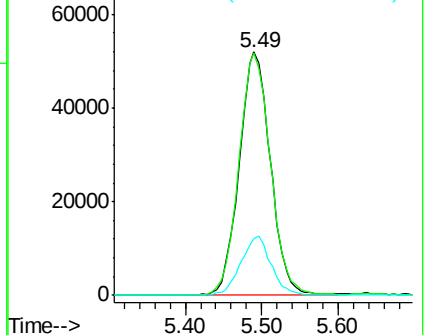
192 23.8 18.6 28.0



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: 11.07 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

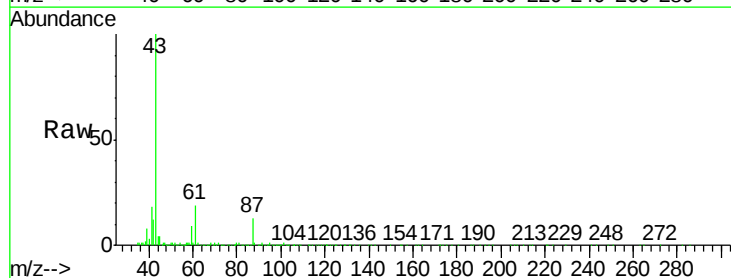
Tgt Ion: 43 Resp: 78724

Ion Ratio Lower Upper

43 100

61 20.7 16.1 24.1

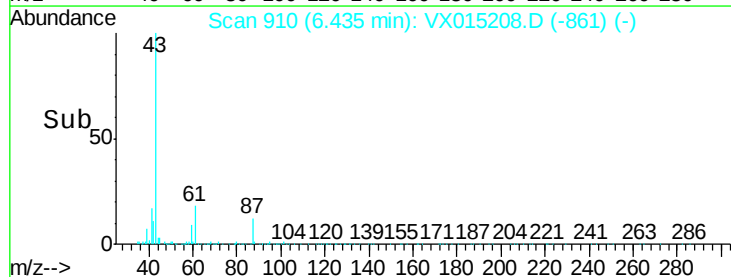
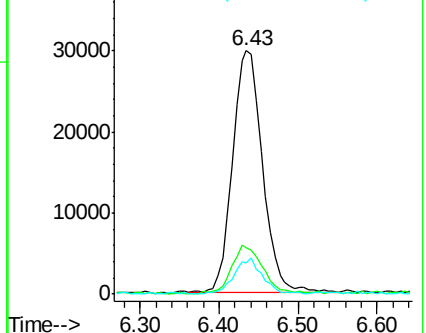
87 14.2 10.6 16.0

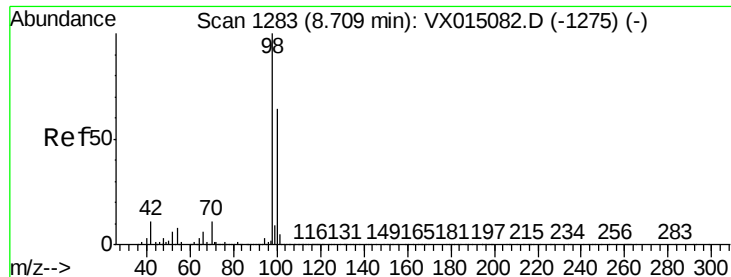


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.14 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Instrument :

MSVOA\_X

ClientSampleId :

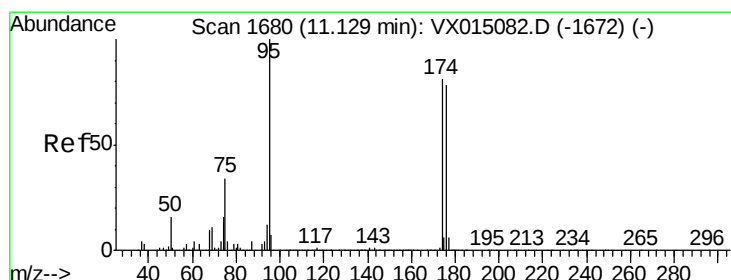
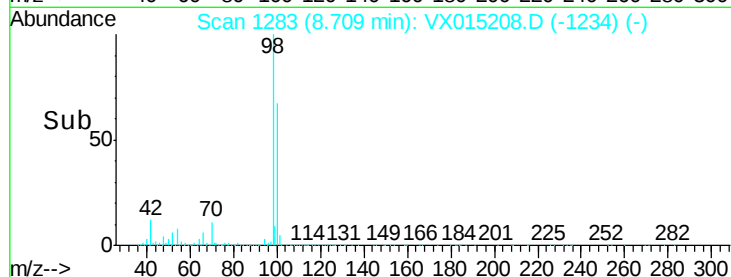
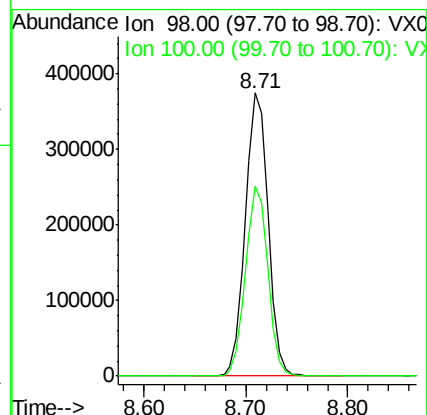
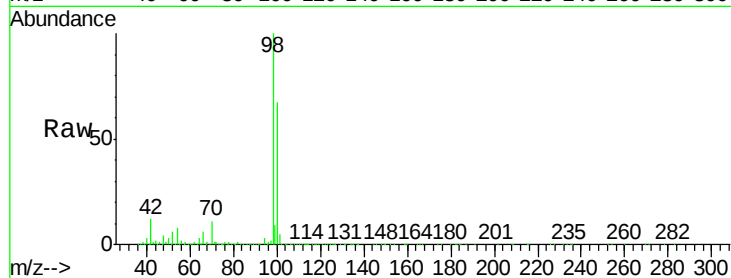
PB127431ZHE#17

Tgt Ion: 98 Resp: 578276

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.48 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

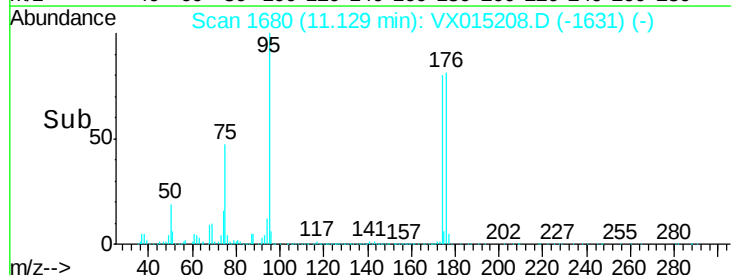
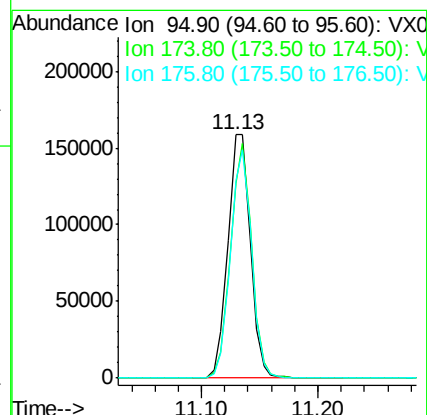
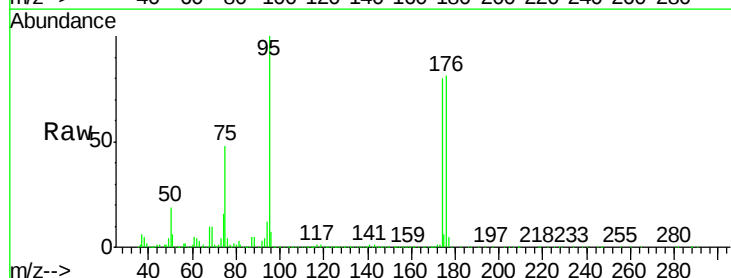
Tgt Ion: 95 Resp: 211676

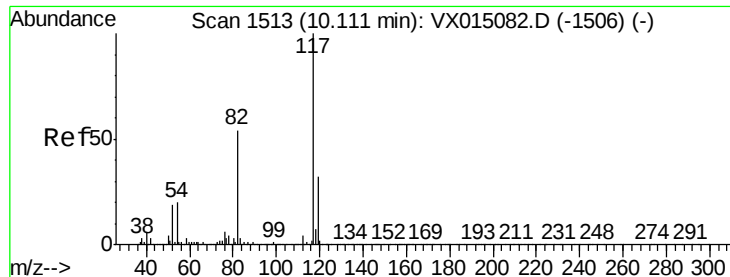
Ion Ratio Lower Upper

95 100

174 91.0 0.0 177.6

176 88.9 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

Instrument :

MSVOA\_X

ClientSampleId :

PB127431ZHE#17

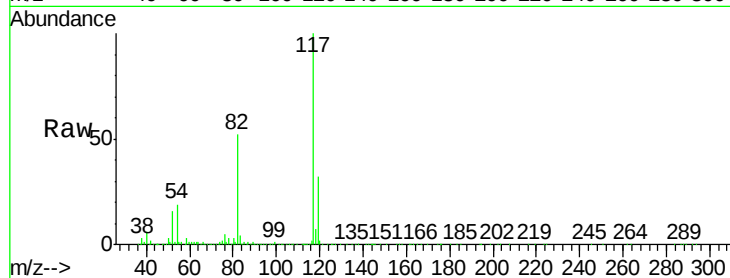
Tgt Ion:117 Resp: 465746

Ion Ratio Lower Upper

117 100

82 52.3 43.3 64.9

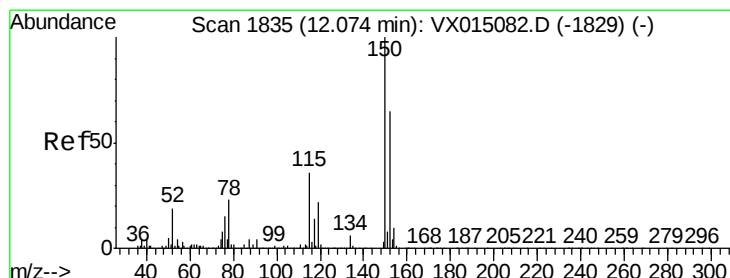
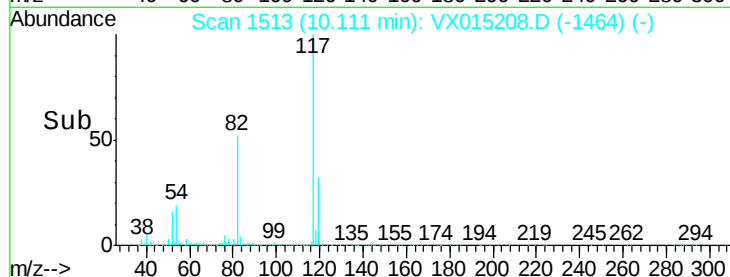
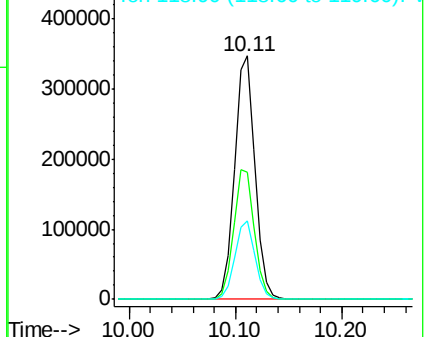
119 32.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015208.D

Acq: 11 Mar 2020 18:03

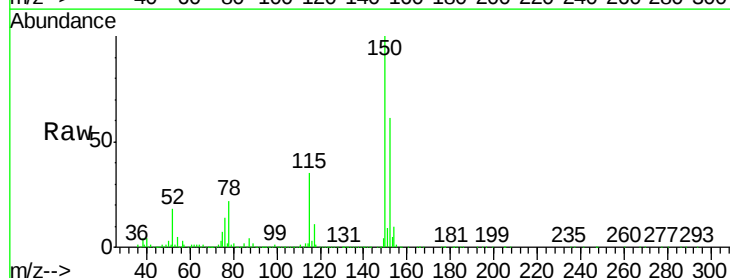
Tgt Ion:152 Resp: 232307

Ion Ratio Lower Upper

152 100

115 54.6 38.2 114.6

150 158.9 0.0 343.8



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

