

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\  
 Data File : VX018417.D  
 Acq On : 15 Sep 2020 19:10  
 Operator : JC/SP  
 Sample : PB131607ZHE#08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB131607ZHE#08

Quant Time: Sep 16 04:25:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

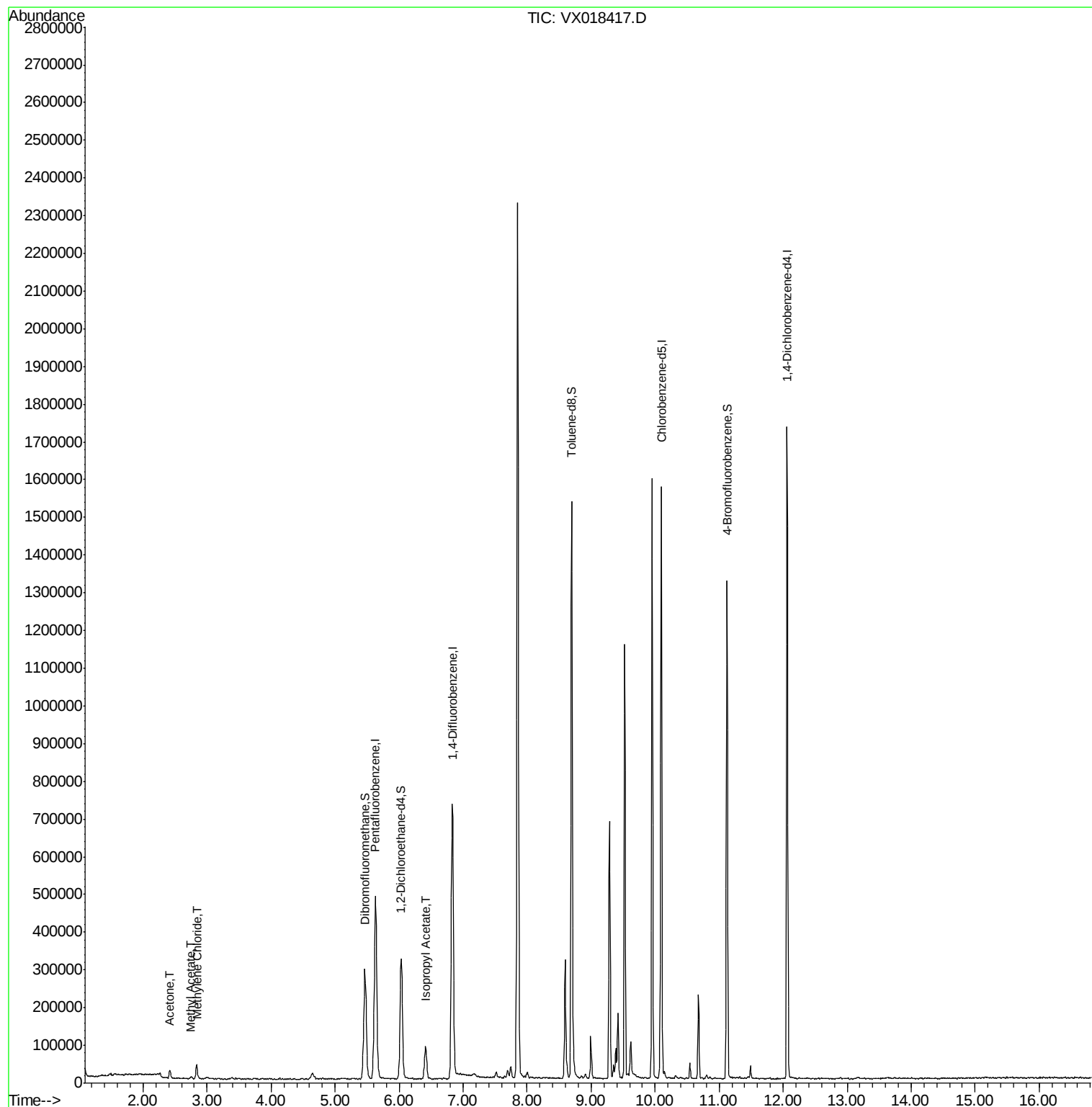
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 432541   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 716018   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 702398   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 345044   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 322247   | 53.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.34% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 253559   | 52.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.00% |          |
| 50) Toluene-d8              | 8.70  | 98   | 907093   | 49.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.88%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 335183   | 46.91 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.82%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 21845    | 9.336 | ug/l    | 98       |
| 18) Methyl Acetate          | 2.75  | 43   | 8582     | 1.520 | ug/l    | 97       |
| 20) Methylene Chloride      | 2.84  | 84   | 17432    | 2.535 | ug/l #  | 90       |
| 43) Isopropyl Acetate       | 6.42  | 43   | 118293   | 9.548 | ug/l    | 98       |

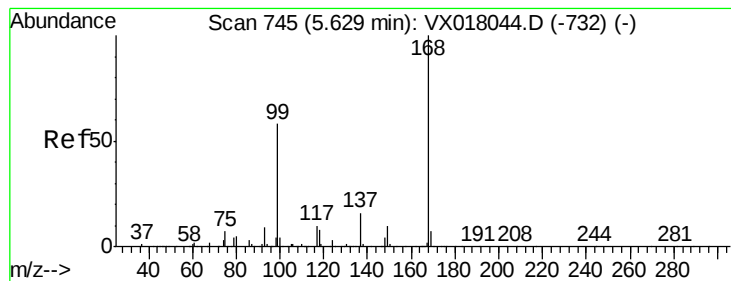
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091520\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 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: VX018417.D

Acq: 15 Sep 2020 19:10

Instrument :

MSVOA\_X

ClientSampleId :

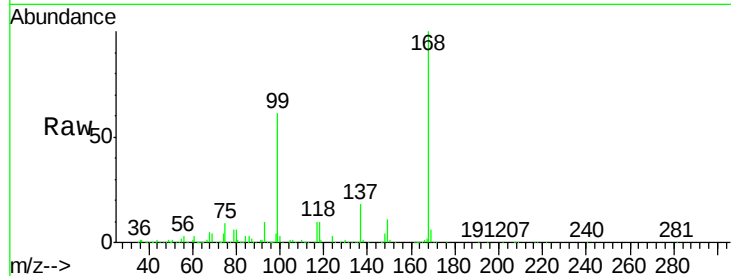
PB131607ZHE#08

Tot Ion:168 Resp: 432541

Ion Ratio Lower Upper

168 100

99 61.4 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

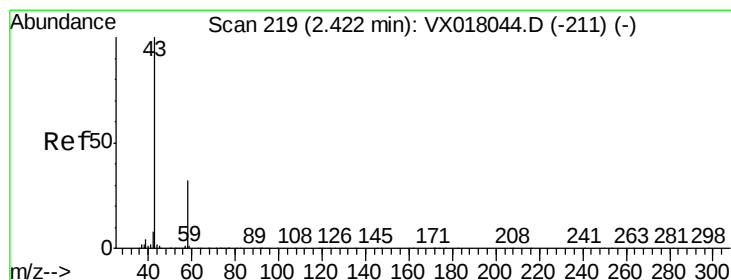
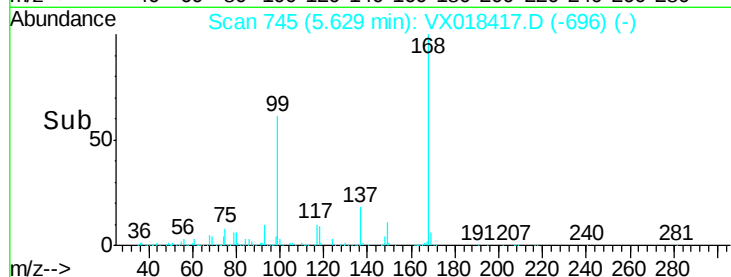
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.336 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018417.D

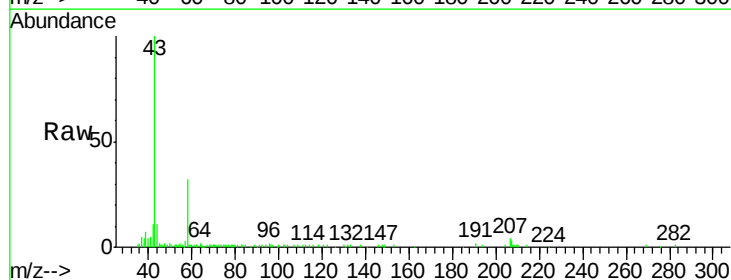
Acq: 15 Sep 2020 19:10

Tgt Ion: 43 Resp: 21845

Ion Ratio Lower Upper

43 100

58 31.0 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

15000

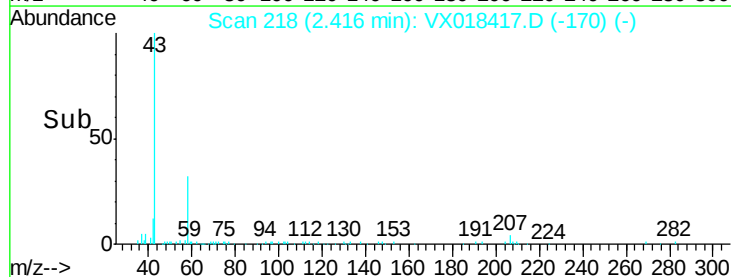
10000

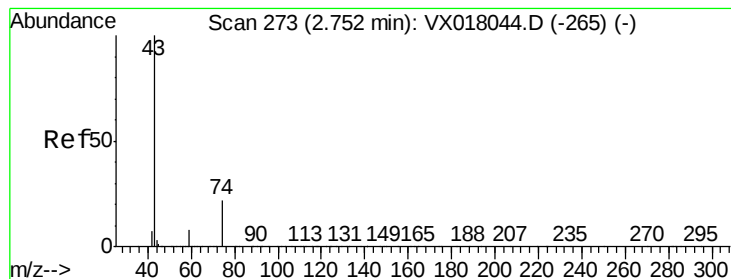
5000

0

Time-->

2.35 2.40 2.45 2.50





#18

Methvl Acetate

Concen: 1.520 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

Instrument :

MSVOA\_X

ClientSampleId :

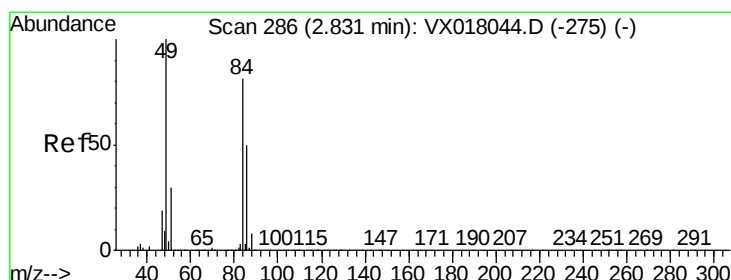
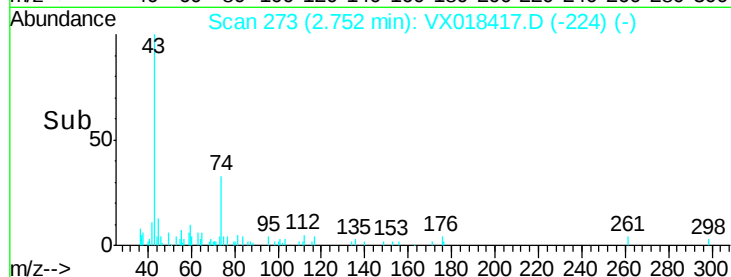
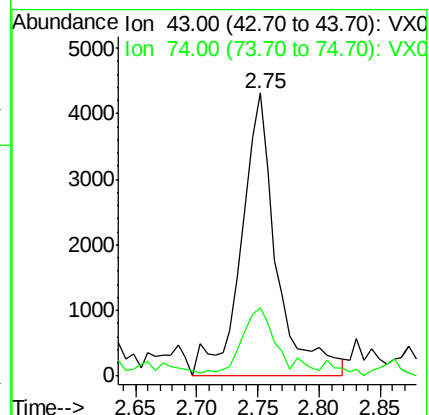
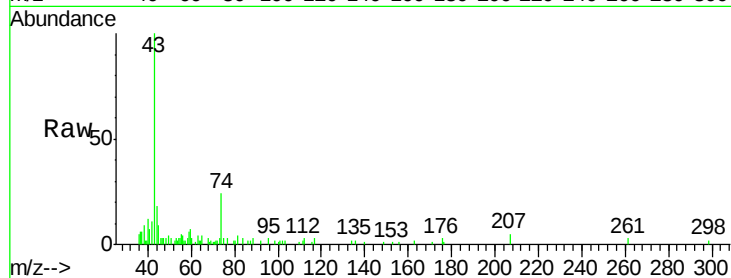
PB131607ZHE#08

Tot Ion: 43 Resp: 8582

Ion Ratio Lower Upper

43 100

74 21.2 18.2 27.4



#20

Methylene Chloride

Concen: 2.535 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

Tgt Ion: 84 Resp: 17432

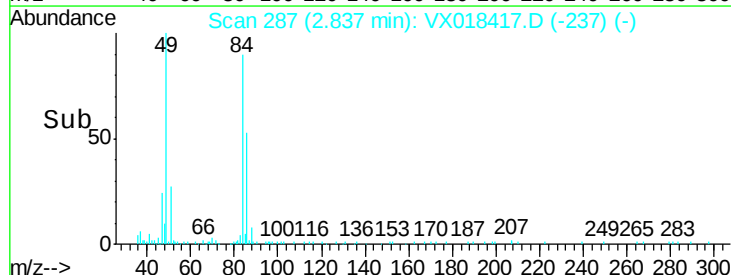
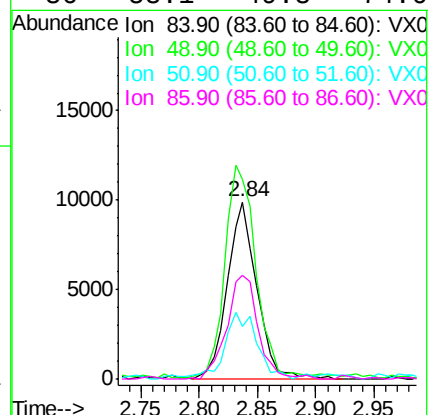
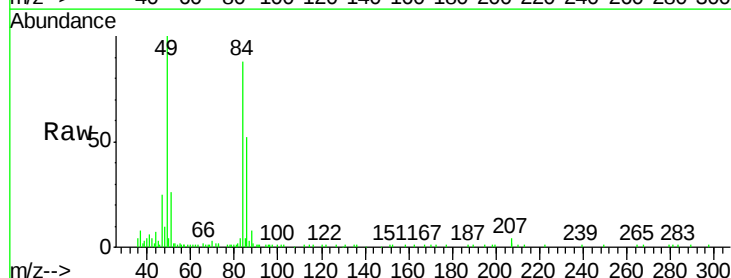
Ion Ratio Lower Upper

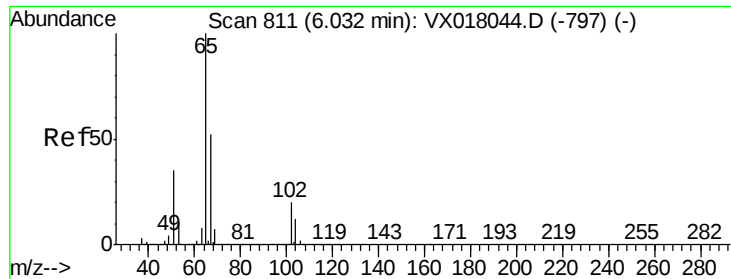
84 100

49 111.5 98.6 148.0

51 27.5 29.6 44.4#

86 58.1 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 53.665 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

Instrument :

MSVOA\_X

ClientSampleId :

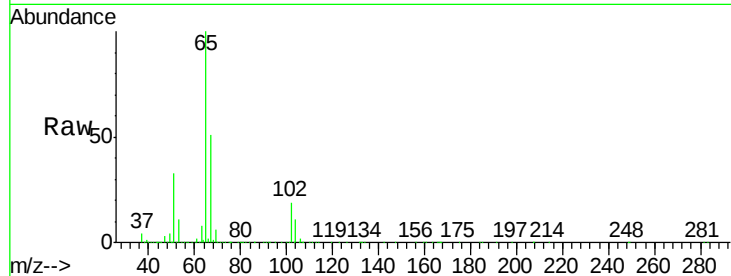
PB131607ZHE#08

Tot Ion: 65 Resp: 322247

Ion Ratio Lower Upper

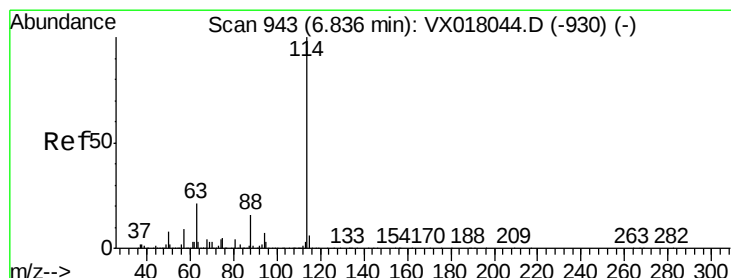
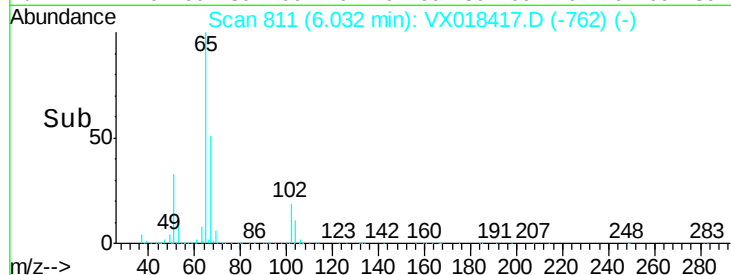
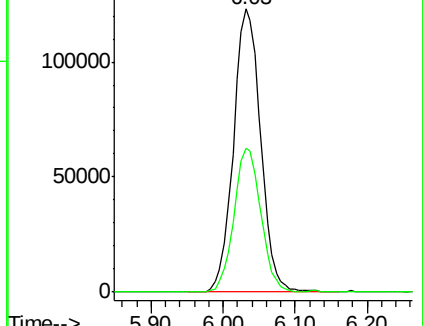
65 100

67 50.0 0.0 105.8



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: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

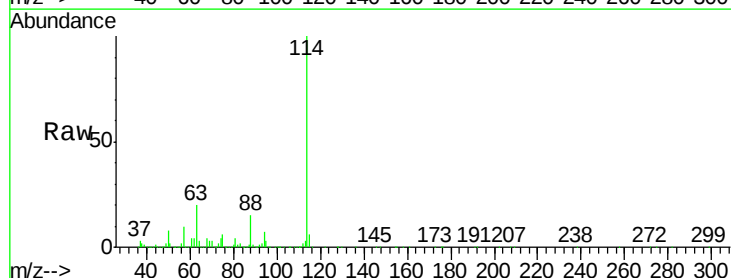
Tgt Ion: 114 Resp: 716018

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

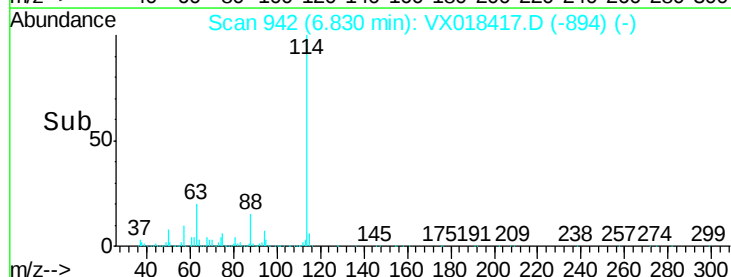
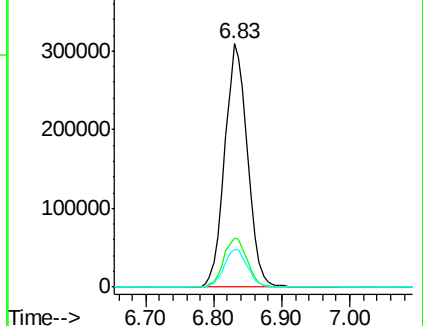
88 15.4 0.0 31.8

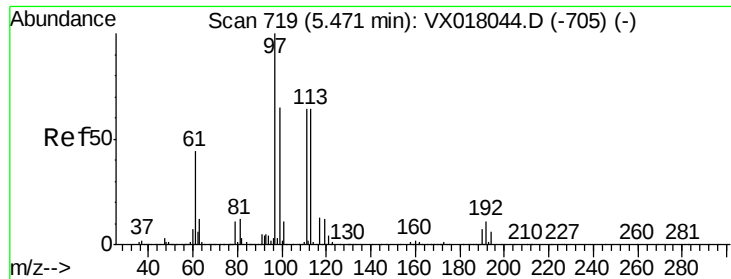


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.997 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

Instrument :

MSVOA\_X

ClientSampleId :

PB131607ZHE#08

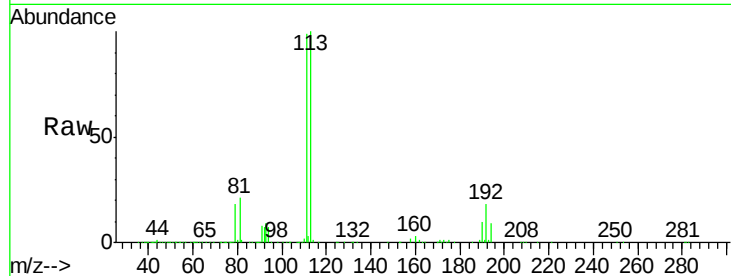
Tot Ion:113 Resp: 253559

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

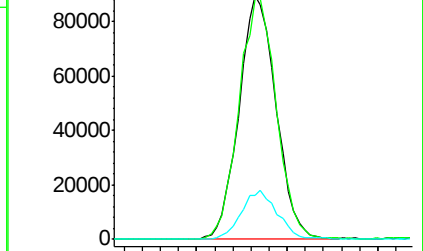
192 19.6 15.8 23.8



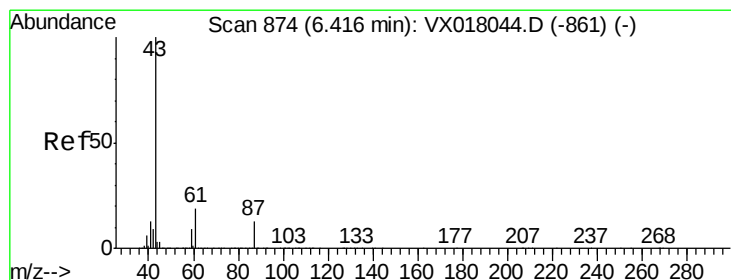
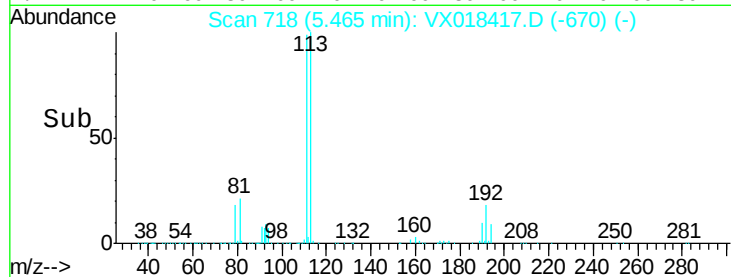
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#43

Isopropyl Acetate

Concen: 9.548 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

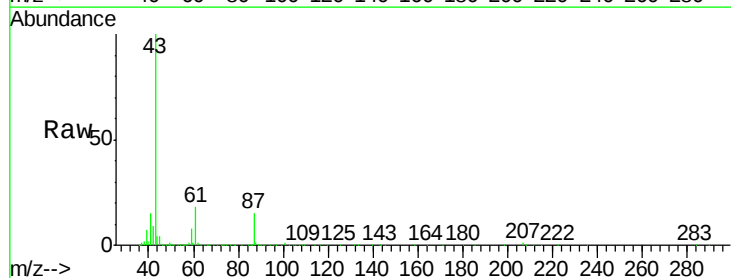
Tgt Ion: 43 Resp: 118293

Ion Ratio Lower Upper

43 100

61 20.3 15.7 23.5

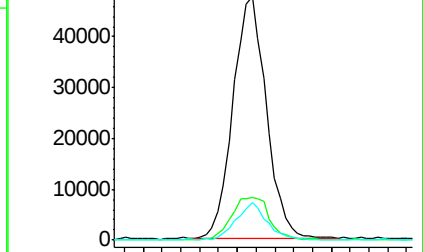
87 14.1 10.3 15.5



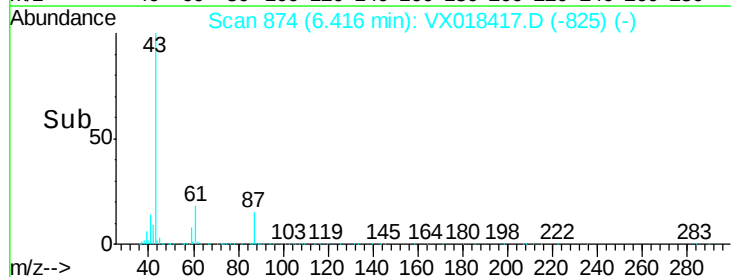
Abundance Ion 43.00 (42.70 to 43.70): VX0

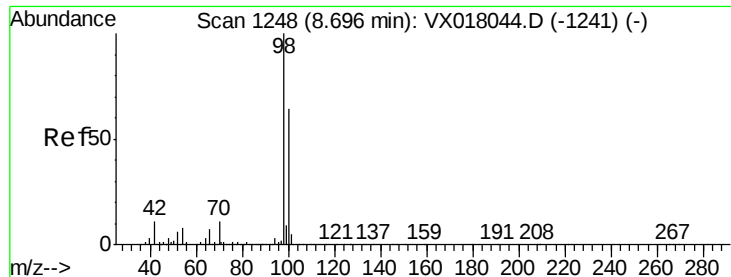
Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->





#50

Toluene-d8

Concen: 49.943 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

Instrument :

MSVOA\_X

ClientSampleId :

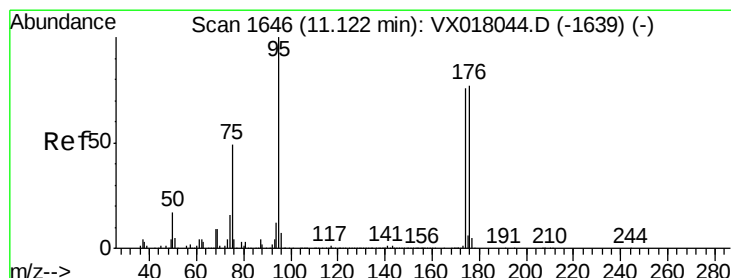
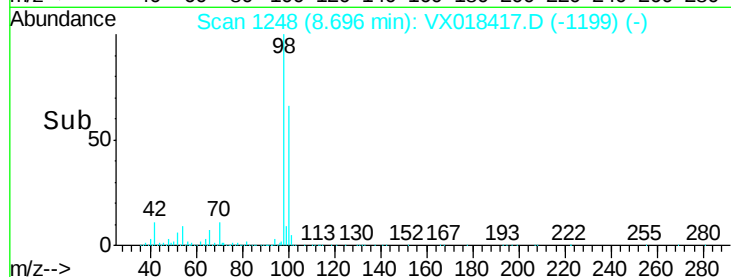
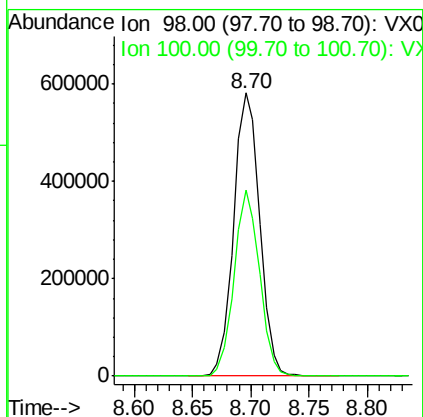
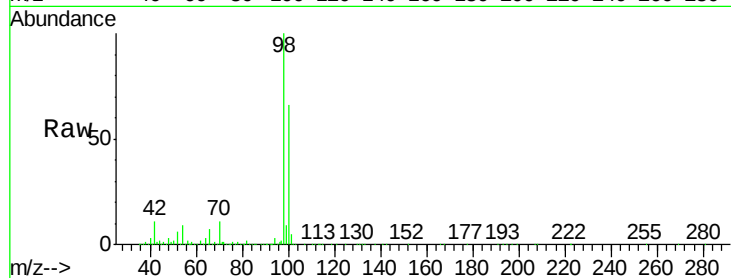
PB131607ZHE#08

Tot Ion: 98 Resp: 907093

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 46.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018417.D

Acq: 15 Sep 2020 19:10

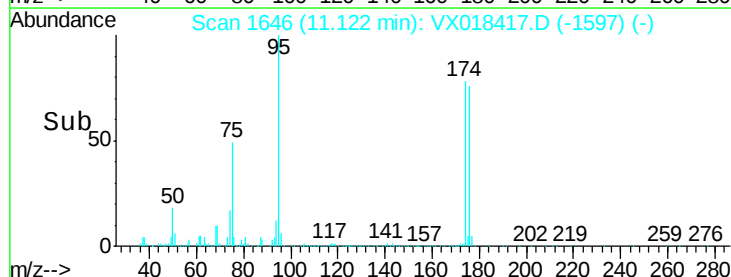
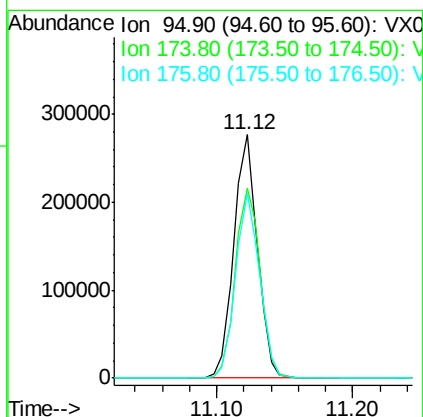
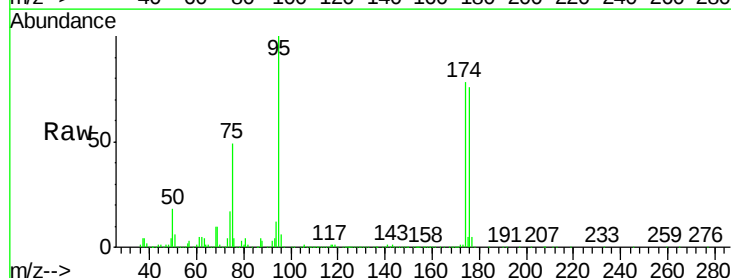
Tgt Ion: 95 Resp: 335183

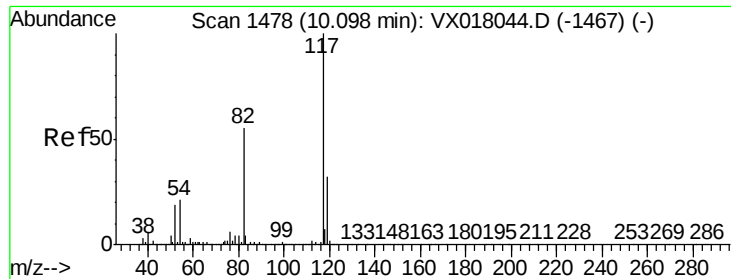
Ion Ratio Lower Upper

95 100

174 81.7 0.0 160.2

176 77.4 0.0 155.8

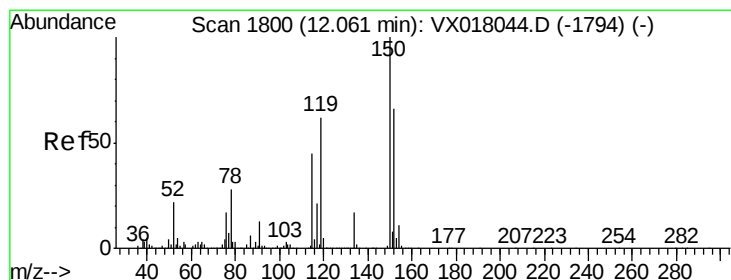
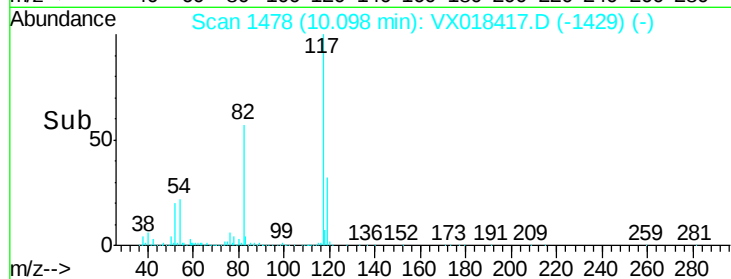
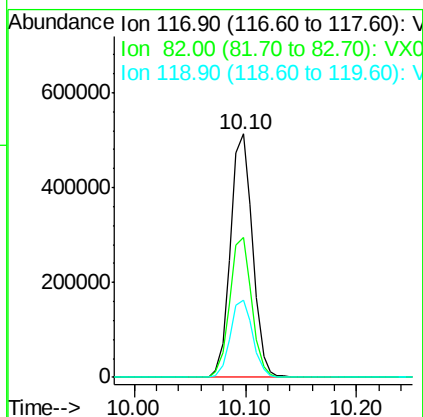
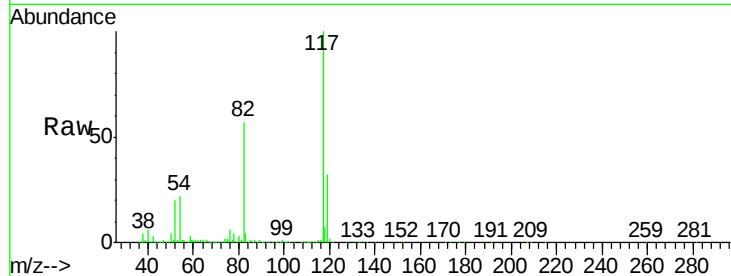




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX018417.D  
Acq: 15 Sep 2020 19:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB131607ZHE#08

Tot Ion:117 Resp: 702398  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.2 66.2  
119 31.8 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX018417.D  
Acq: 15 Sep 2020 19:10

Tgt Ion:152 Resp: 345044  
Ion Ratio Lower Upper  
152 100  
115 60.8 41.5 124.5  
150 159.0 0.0 343.8

