

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\  
 Data File : VX017316.D  
 Acq On : 09 Jul 2020 18:27  
 Operator : JC/SP  
 Sample : PB130076TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB130076TB

Quant Time: Jul 10 07:21:47 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

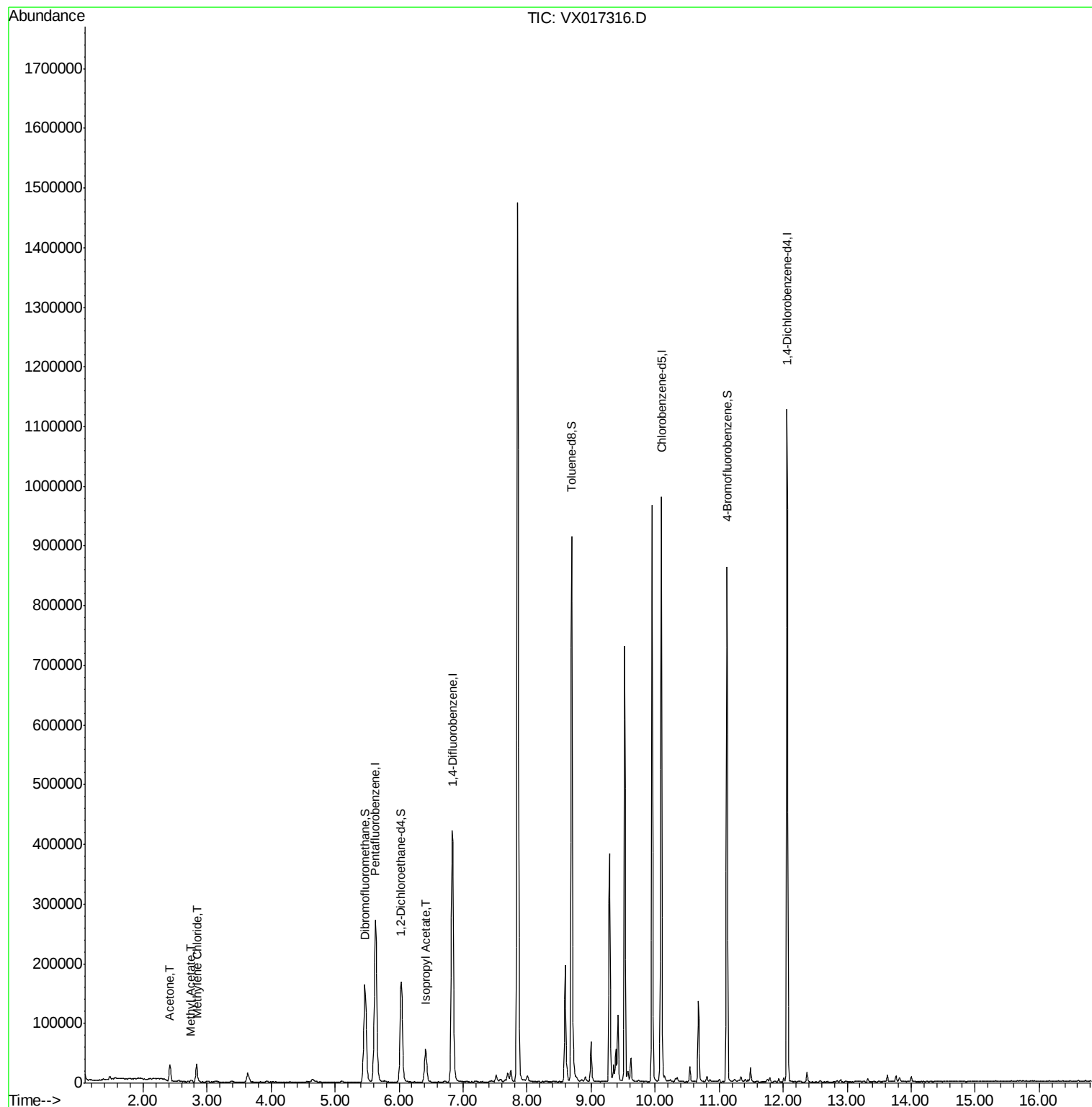
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 260156   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 432178   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 449600   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 231920   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 163431   | 50.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.92% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 143511   | 52.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.98% |          |
| 50) Toluene-d8              | 8.70  | 98   | 534420   | 52.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.74% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 217766   | 55.11  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.22% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.42  | 43   | 30393    | 25.332 | ug/l    | 90       |
| 18) Methyl Acetate          | 2.75  | 43   | 3449     | 1.101  | ug/l    | 97       |
| 20) Methylene Chloride      | 2.83  | 84   | 13711    | 4.267  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 6.42  | 43   | 76274    | 11.076 | ug/l    | 99       |

(#) = 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: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

Instrument :

MSVOA\_X

ClientSampled :

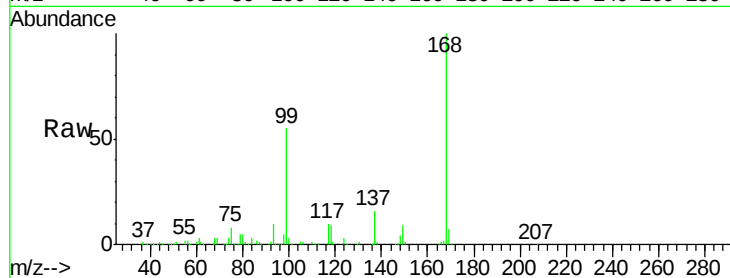
PB130076TB

Tot Ion:168 Resp: 260156

Ion Ratio Lower Upper

168 100

99 54.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

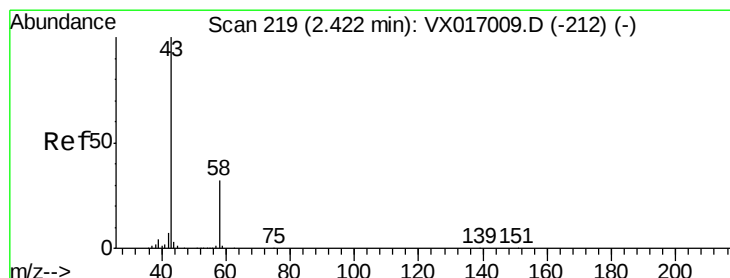
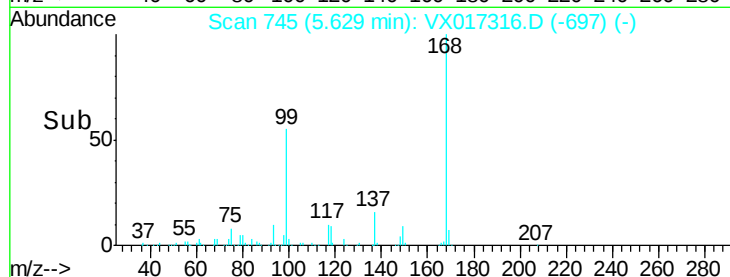
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 25.332 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017316.D

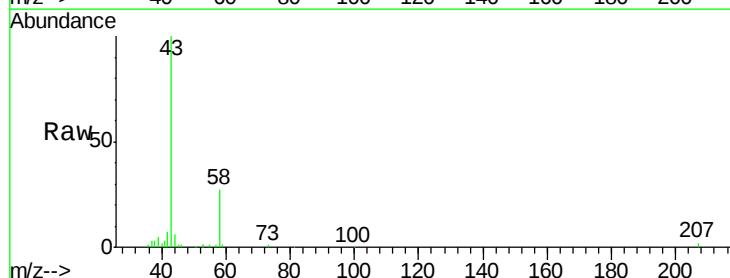
Acq: 09 Jul 2020 18:27

Tgt Ion: 43 Resp: 30393

Ion Ratio Lower Upper

43 100

58 26.4 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

20000

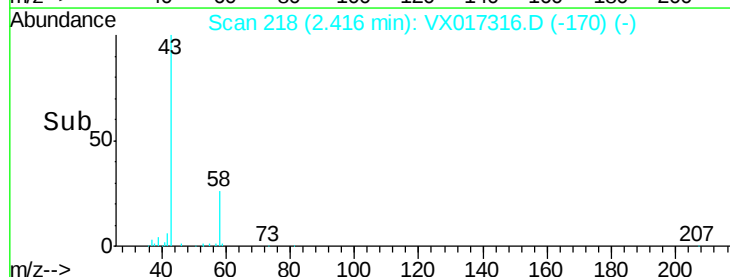
15000

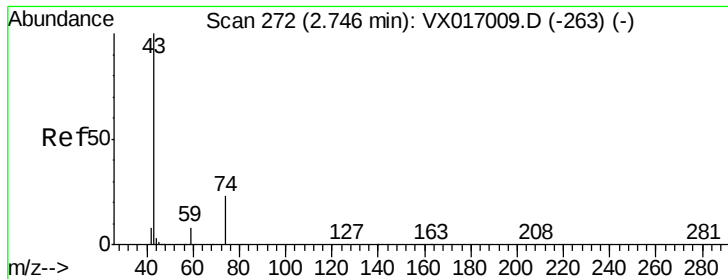
10000

5000

0

Time-->





#18

Methyl Acetate

Concen: 1.101 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

Instrument :

MSVOA\_X

ClientSampled :

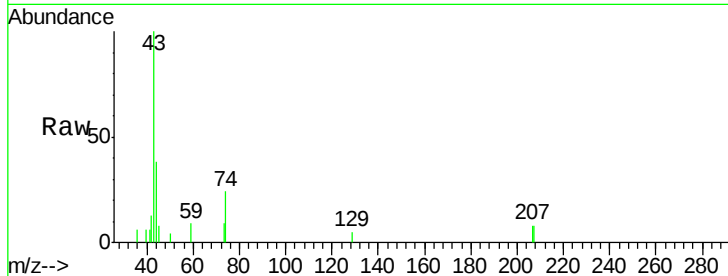
PB130076TB

Tot Ion: 43 Resp: 3449

Ion Ratio Lower Upper

43 100

74 25.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2000

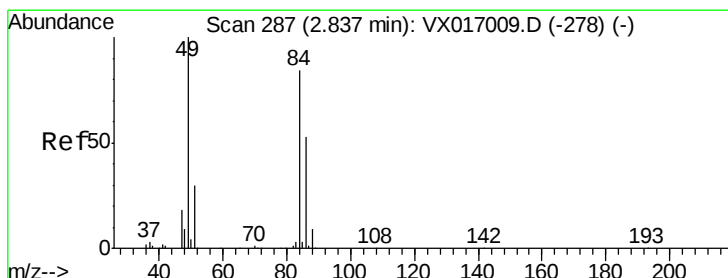
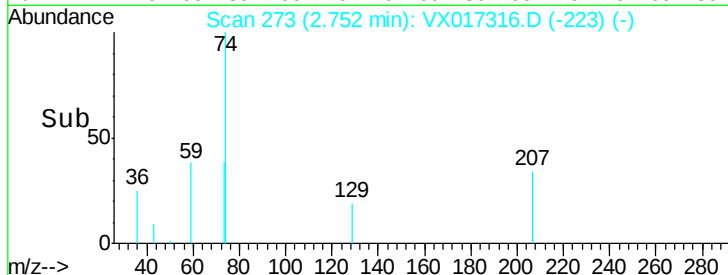
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 4.267 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

Tgt Ion: 84 Resp: 13711

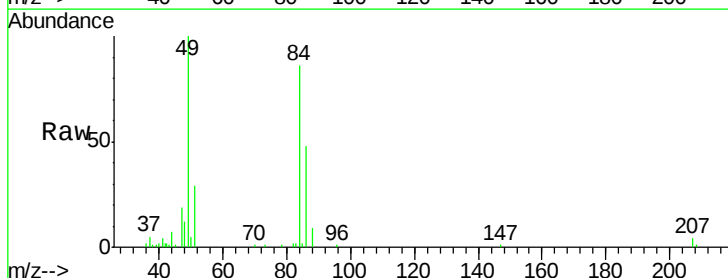
Ion Ratio Lower Upper

84 100

49 115.5 94.7 142.1

51 34.4 28.6 42.8

86 56.0 50.5 75.7



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

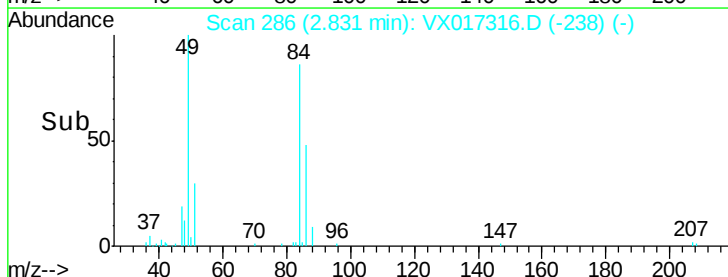
Ion 85.90 (85.60 to 86.60): VX0

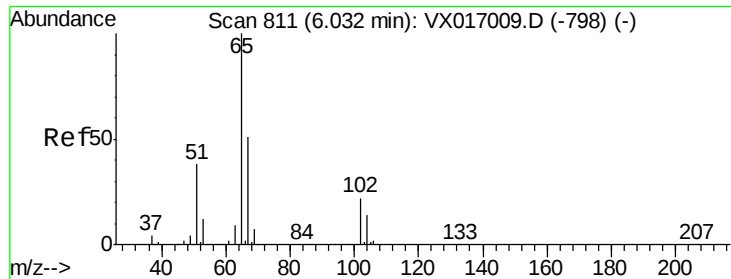
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.958 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

Instrument :

MSVOA\_X

ClientSampleId :

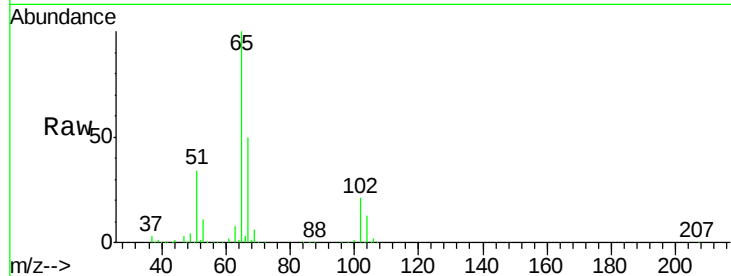
PB130076TB

Tot Ion: 65 Resp: 163431

Ion Ratio Lower Upper

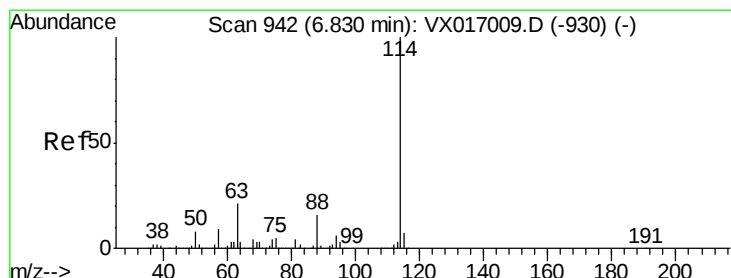
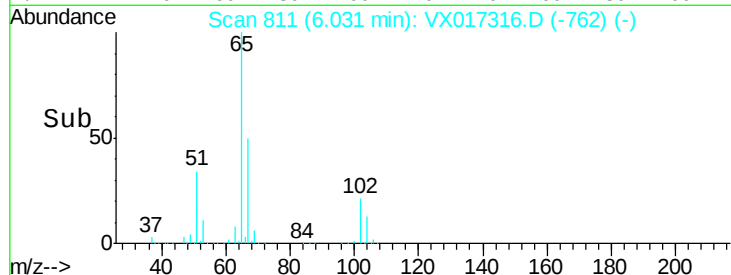
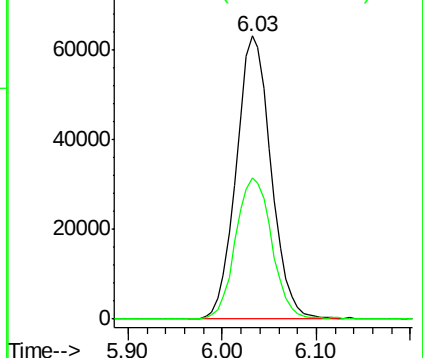
65 100

67 51.6 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

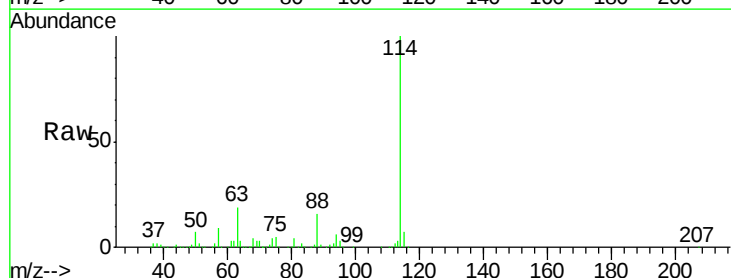
Tgt Ion: 114 Resp: 432178

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

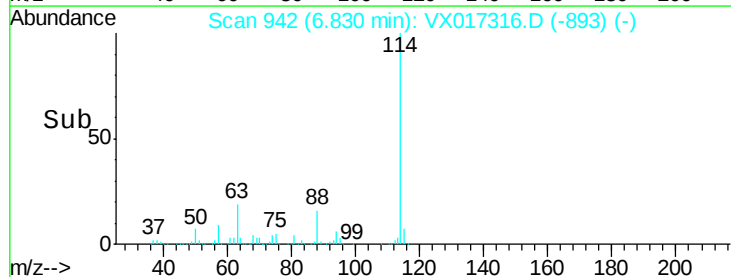
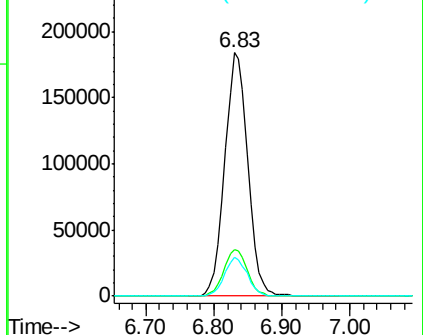
88 15.8 0.0 32.4

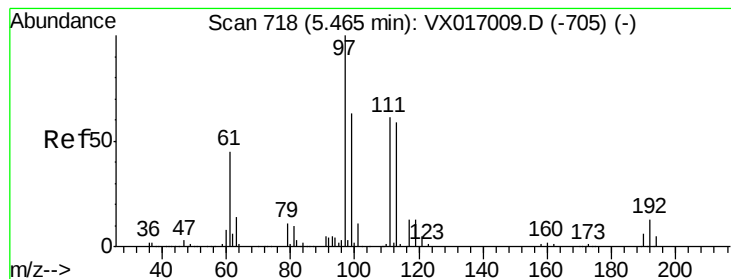


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.495 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

Instrument :

MSVOA\_X

ClientSampleId :

PB130076TB

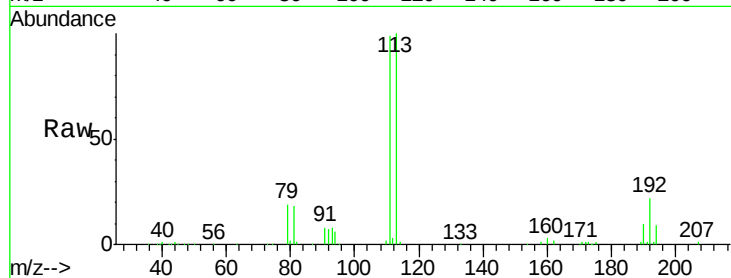
Tot Ion:113 Resp: 143511

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

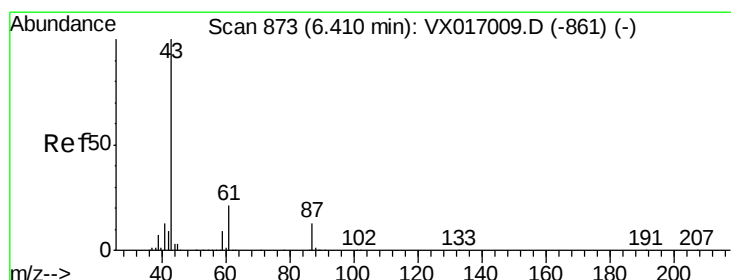
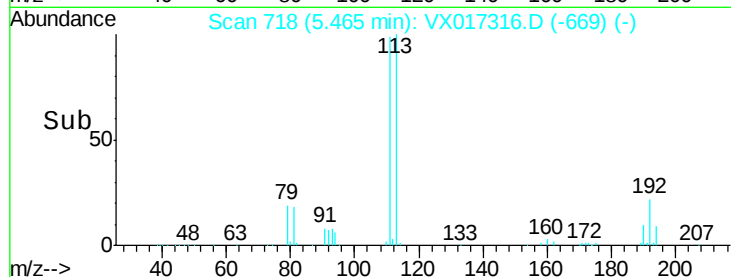
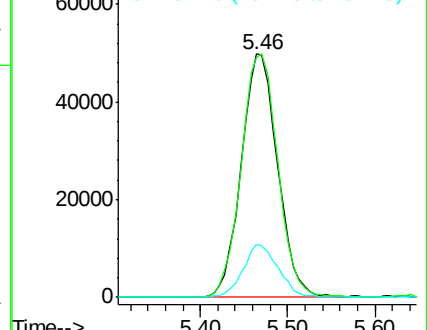
192 21.0 16.7 25.1



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: 11.076 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

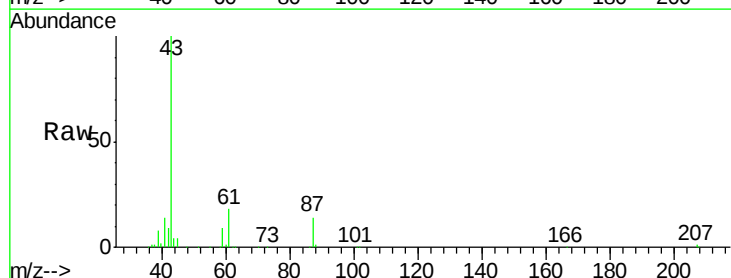
Tgt Ion: 43 Resp: 76274

Ion Ratio Lower Upper

43 100

61 19.5 16.2 24.2

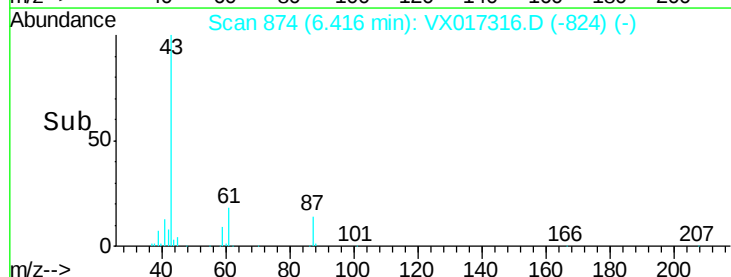
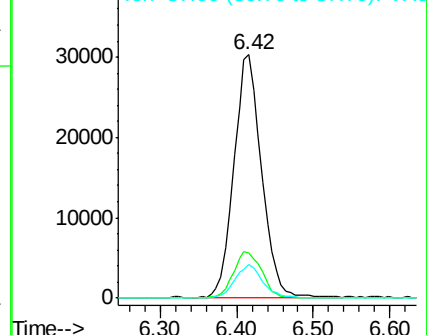
87 13.9 10.7 16.1

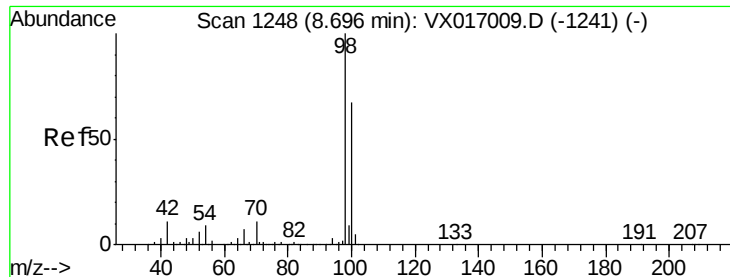


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 52.865 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

Instrument :

MSVOA\_X

ClientSampleId :

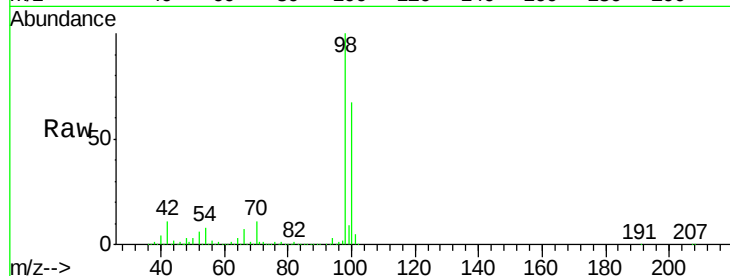
PB130076TB

Tot Ion: 98 Resp: 534420

Ion Ratio Lower Upper

98 100

100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

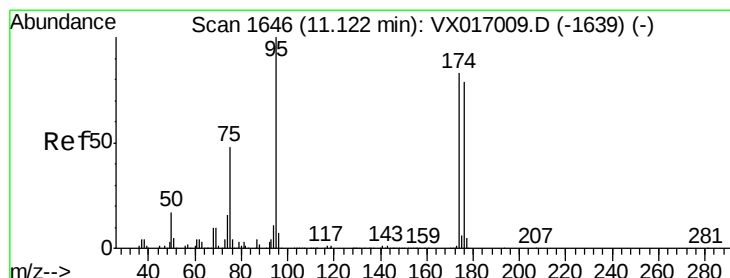
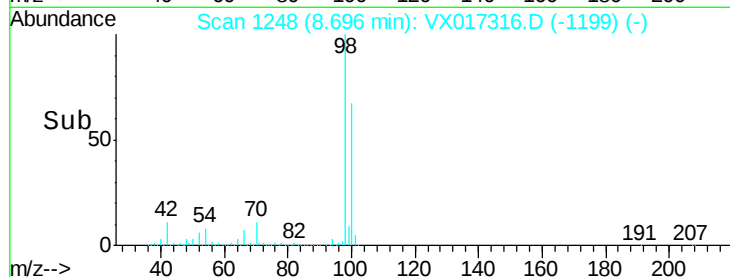
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.106 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017316.D

Acq: 09 Jul 2020 18:27

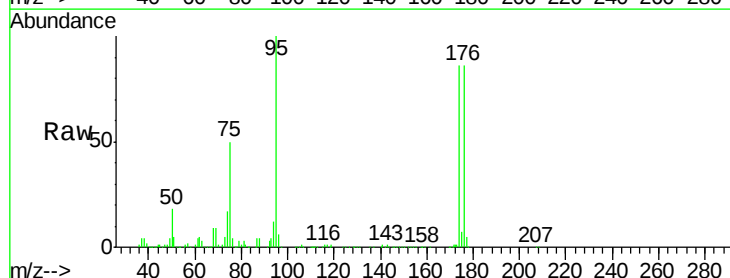
Tgt Ion: 95 Resp: 217766

Ion Ratio Lower Upper

95 100

174 85.7 0.0 164.0

176 82.5 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

11.12

200000

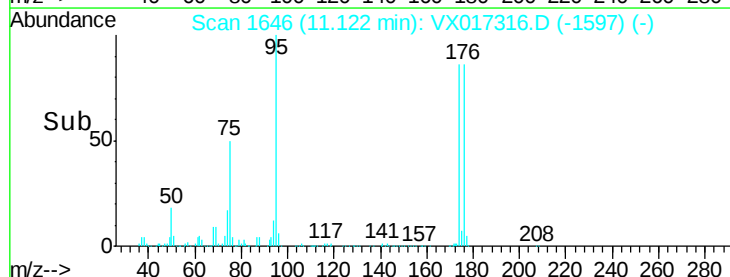
150000

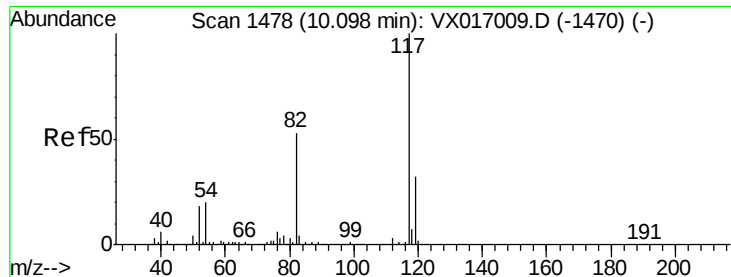
100000

50000

0

Time-->

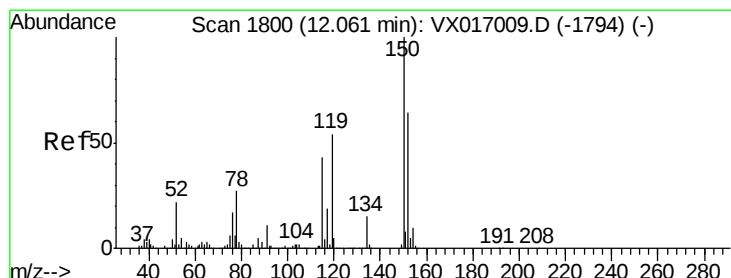
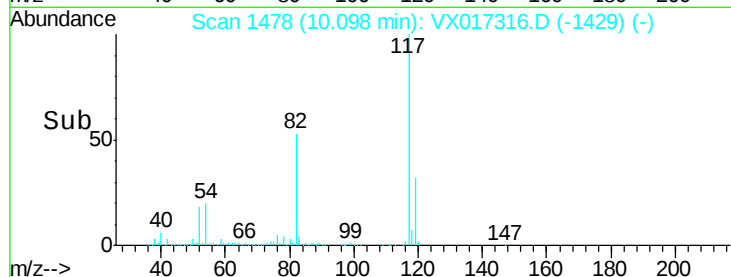
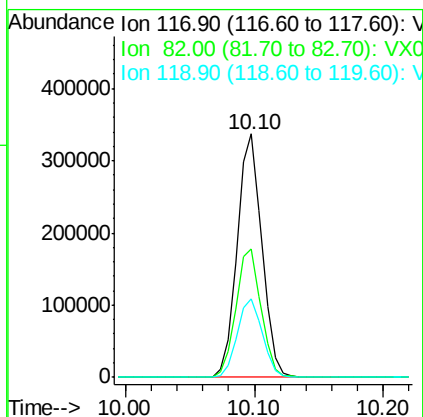
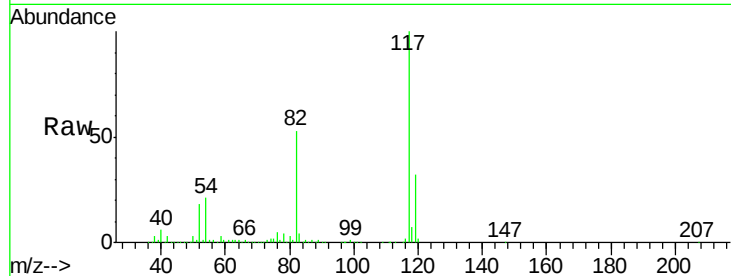




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017316.D  
Acq: 09 Jul 2020 18:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB130076TB

Tot Ion:117 Resp: 449600  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.6 63.8  
119 32.2 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: VX017316.D  
Acq: 09 Jul 2020 18:27

Tgt Ion:152 Resp: 231920  
Ion Ratio Lower Upper  
152 100  
115 57.8 40.9 122.7  
150 159.9 0.0 351.6

