

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072020\  
 Data File : VX017439.D  
 Acq On : 20 Jul 2020 17:13  
 Operator : JC/SP  
 Sample : PB130292TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB130292TB

Quant Time: Jul 21 02:40:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 14 02:59:51 2020  
 Response via : Initial Calibration

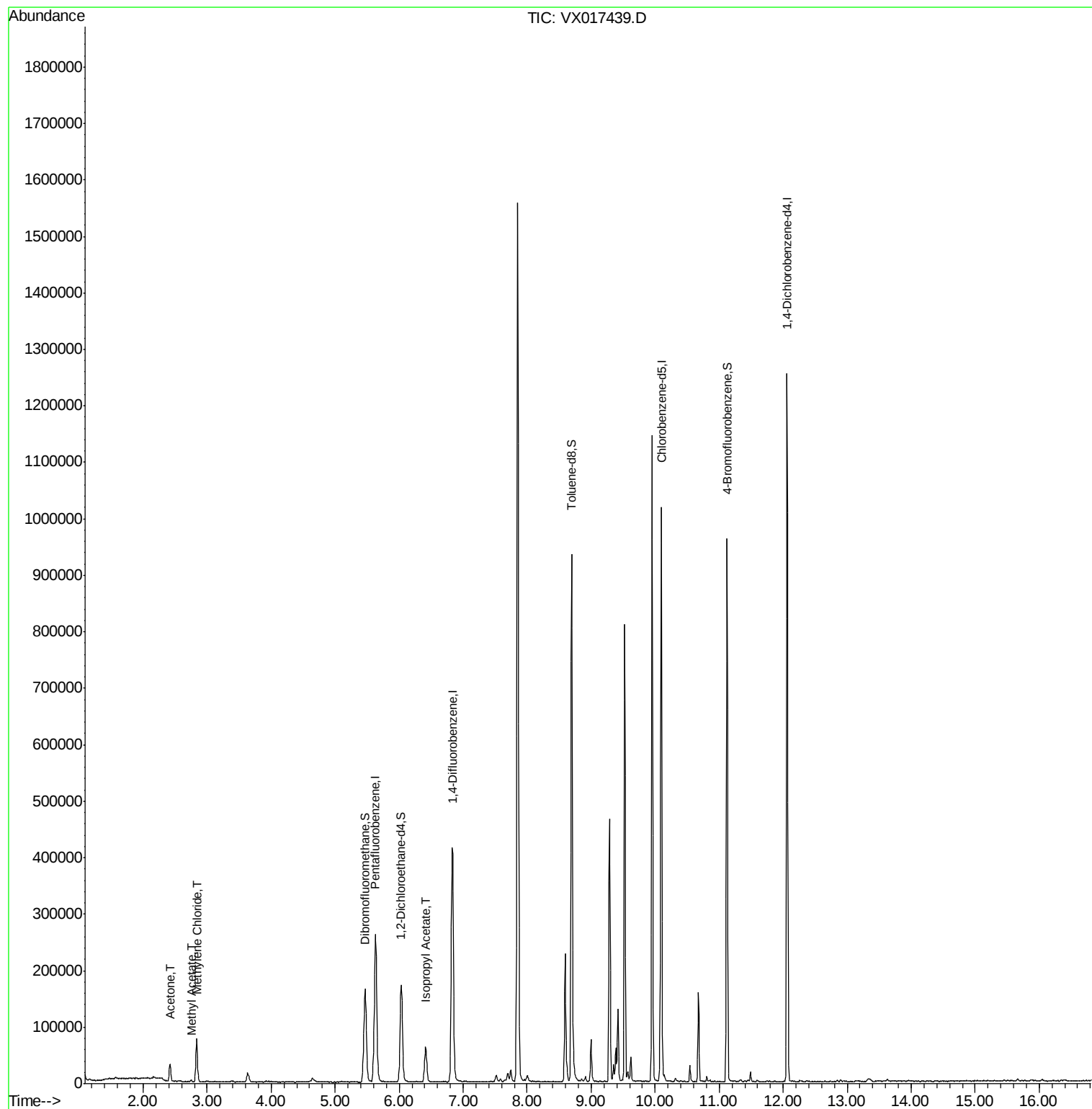
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 241661   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 426970   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 470371   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 249923   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 165701   | 54.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.26% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 145476   | 50.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.16% |          |
| 50) Toluene-d8              | 8.70  | 98   | 541094   | 52.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.32% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 233220   | 56.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.18% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.42  | 43   | 33014    | 30.510 | ug/l    | 100      |
| 18) Methyl Acetate          | 2.75  | 43   | 3119     | 1.167  | ug/l #  | 75       |
| 20) Methylene Chloride      | 2.84  | 84   | 34231    | 12.966 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 6.42  | 43   | 84450    | 13.012 | ug/l    | 99       |

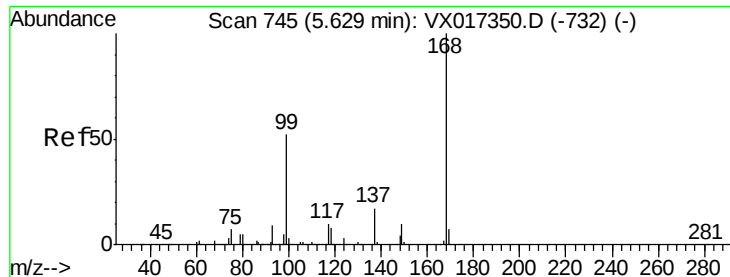
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 21 02:40:25 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X071320W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 14 02:59:51 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: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA\_X

ClientSampleId :

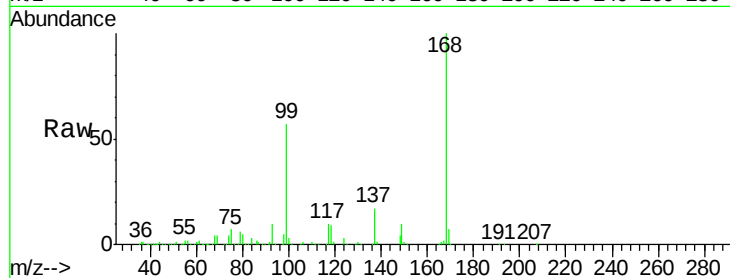
PB130292TB

Tot Ion:168 Resp: 241661

Ion Ratio Lower Upper

168 100

99 57.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

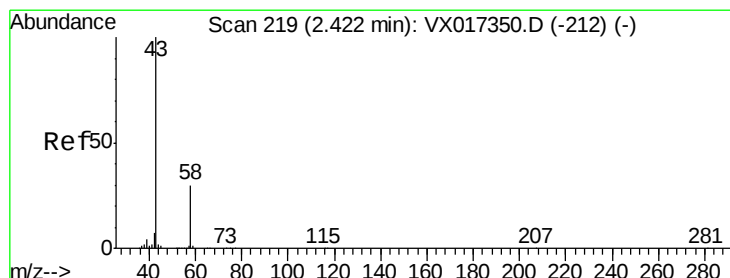
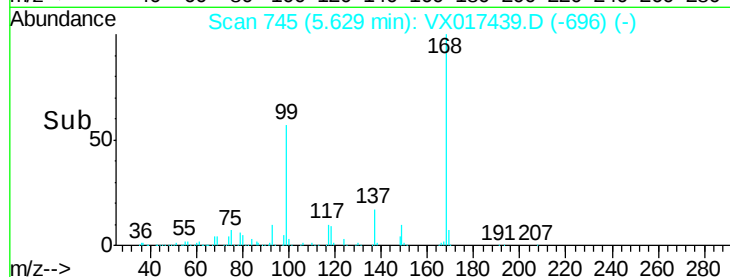
40000

20000

0

5.50 5.60 5.70

Time-->



#16

Acetone

Concen: 30.510 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017439.D

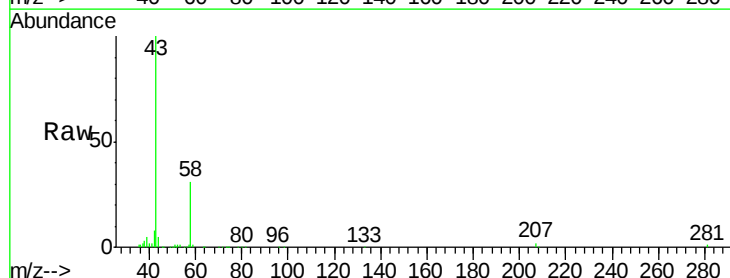
Acq: 20 Jul 2020 17:13

Tgt Ion: 43 Resp: 33014

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

20000

15000

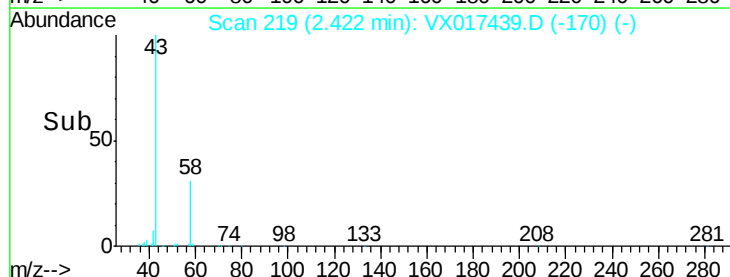
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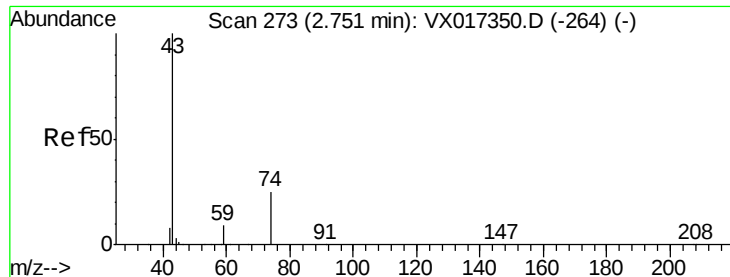
5000

0

2.35 2.40 2.45 2.50

Time-->





#18

Methvl Acetate

Concen: 1.167 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA\_X

ClientSampleId :

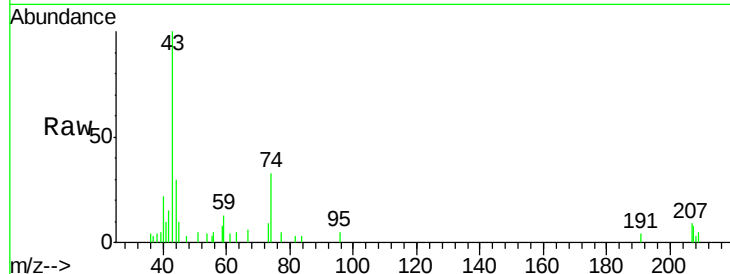
PB130292TB

Tot Ion: 43 Resp: 3119

Ion Ratio Lower Upper

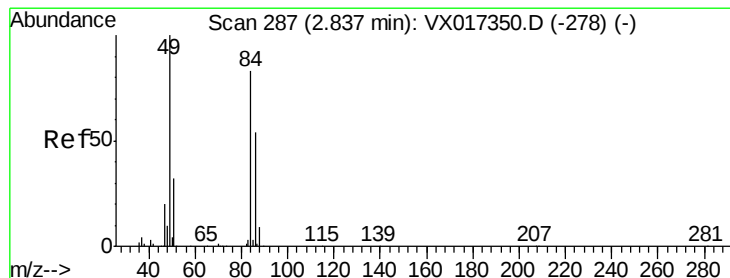
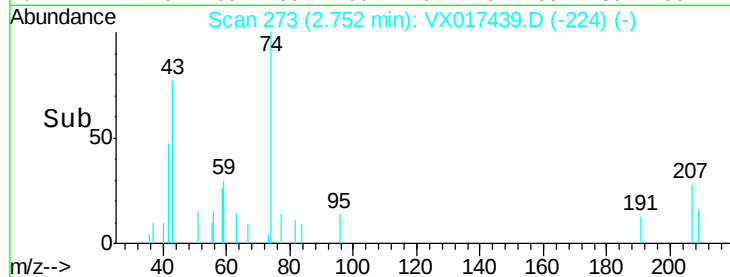
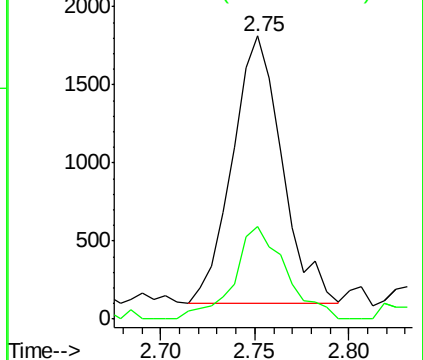
43 100

74 36.5 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 12.966 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Tgt Ion: 84 Resp: 34231

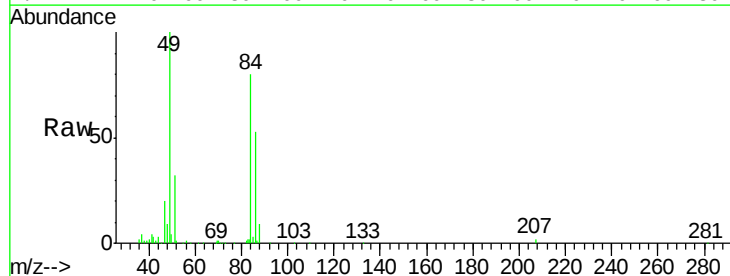
Ion Ratio Lower Upper

84 100

49 124.6 95.8 143.8

51 39.7 31.0 46.4

86 65.9 51.8 77.8

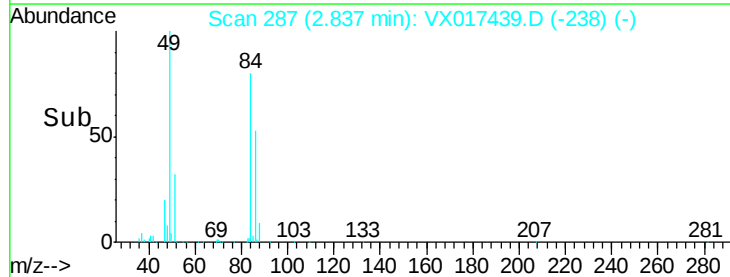
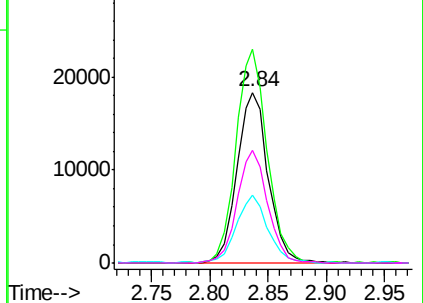


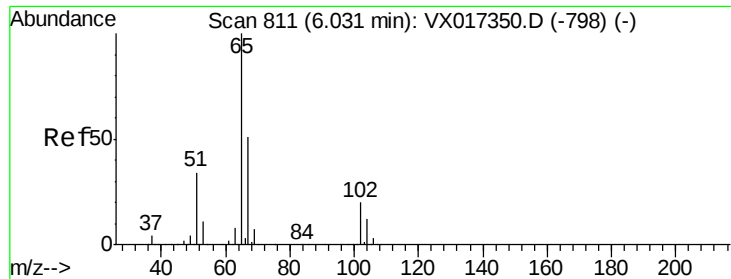
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

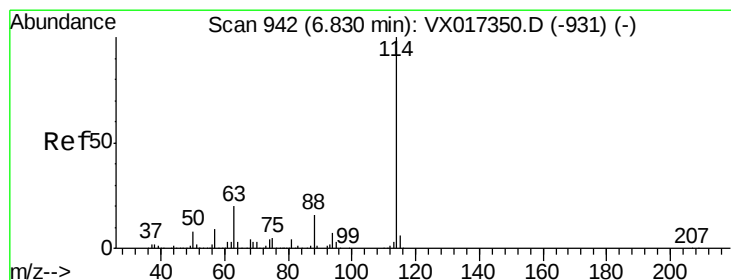
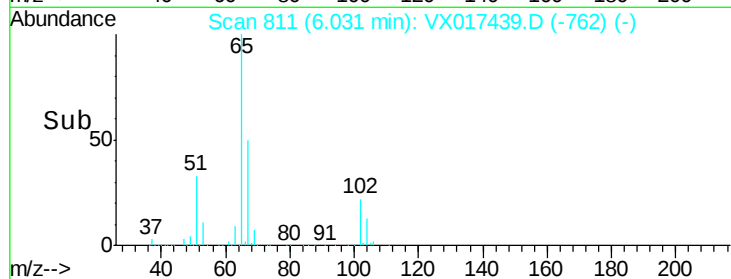
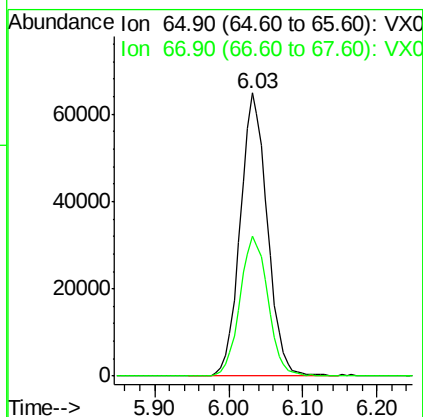
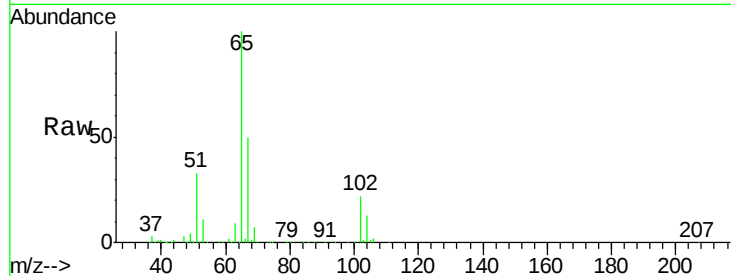




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.632 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX017439.D  
 Acq: 20 Jul 2020 17:13

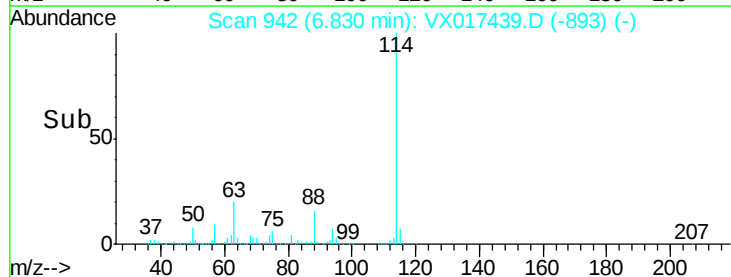
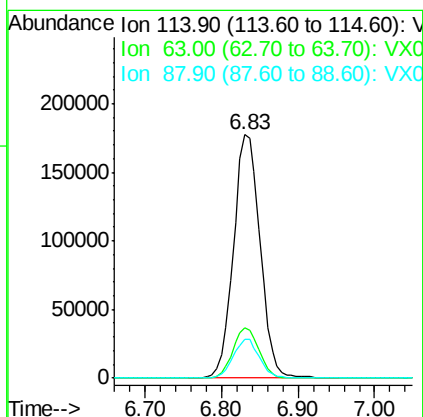
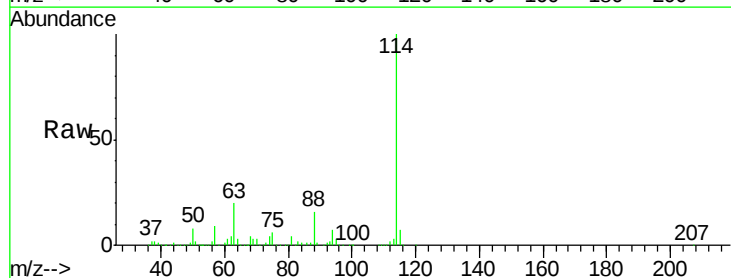
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB130292TB

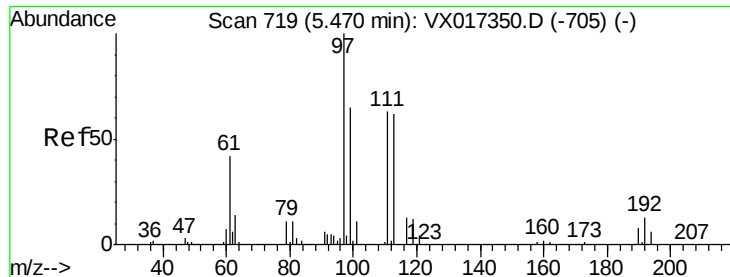
Tot Ion: 65 Resp: 165701  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX017439.D  
 Acq: 20 Jul 2020 17:13

Tgt Ion: 114 Resp: 426970  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 40.0  
 88 15.9 0.0 32.8

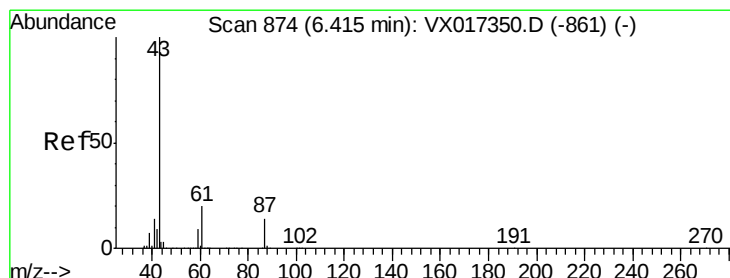
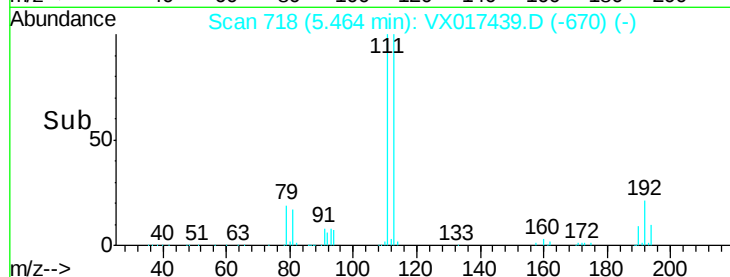
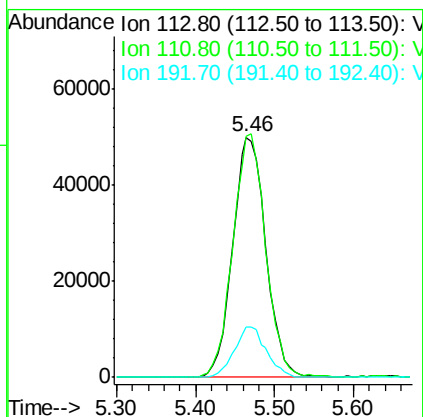
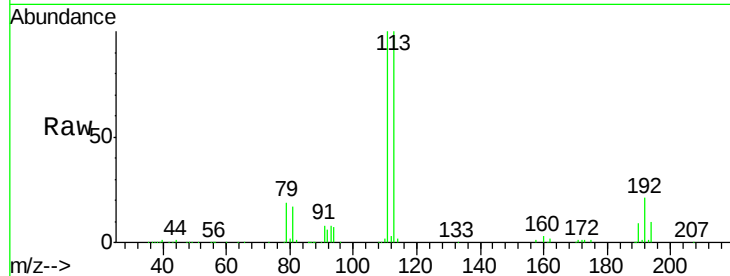




#35  
 Dibromofluoromethane  
 Concen: 50.580 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.01 min  
 Lab File: VX017439.D  
 Acq: 20 Jul 2020 17:13

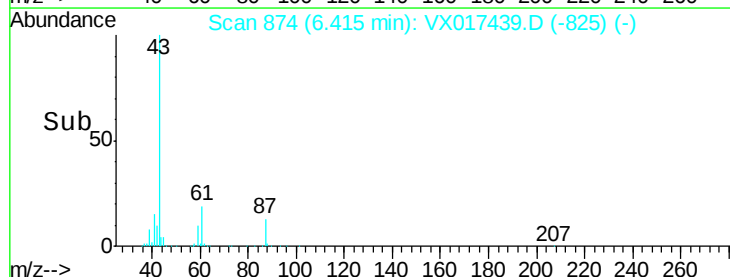
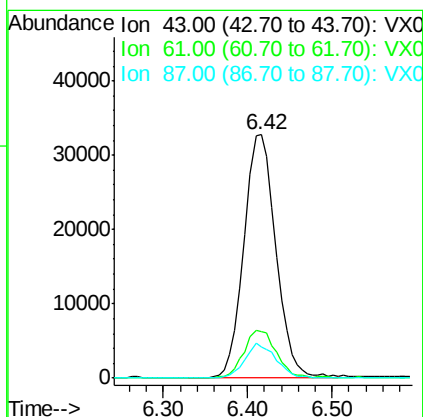
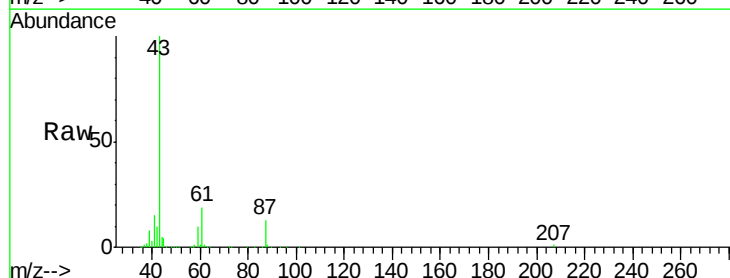
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB130292TB

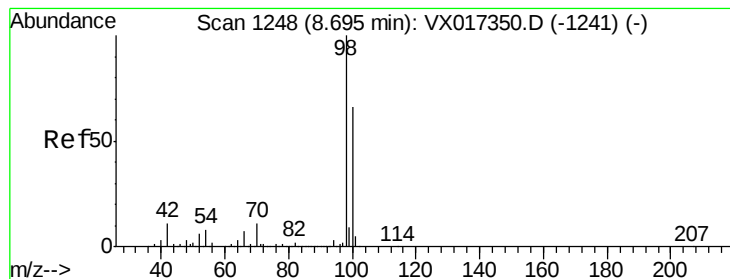
Tot Ion:113 Resp: 145476  
 Ion Ratio Lower Upper  
 113 100  
 111 100.5 82.4 123.6  
 192 20.3 17.2 25.8



#43  
 Isopropyl Acetate  
 Concen: 13.012 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. 0.00 min  
 Lab File: VX017439.D  
 Acq: 20 Jul 2020 17:13

Tgt Ion: 43 Resp: 84450  
 Ion Ratio Lower Upper  
 43 100  
 61 19.9 16.4 24.6  
 87 13.9 11.2 16.8





#50

Toluene-d8

Concen: 52.155 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

Instrument :

MSVOA\_X

ClientSampleId :

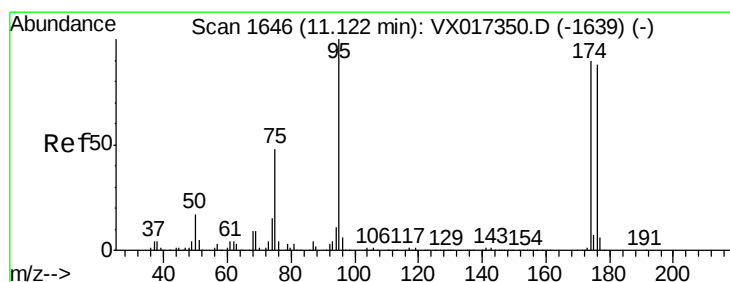
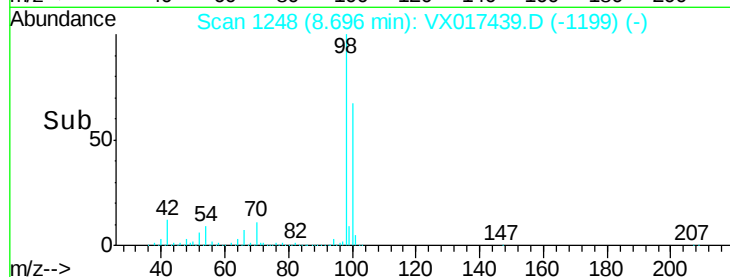
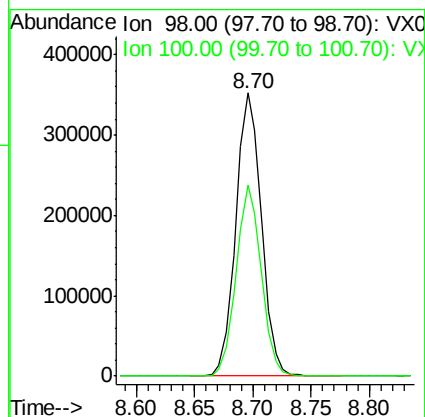
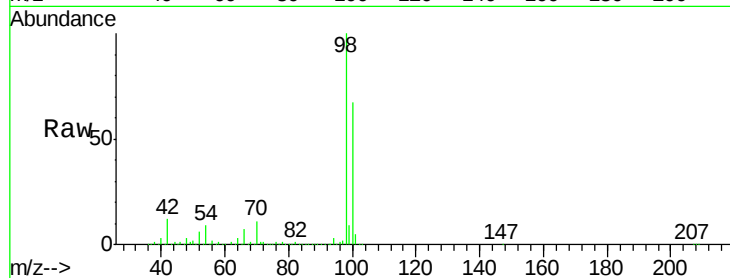
PB130292TB

Tot Ion: 98 Resp: 541094

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 56.593 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017439.D

Acq: 20 Jul 2020 17:13

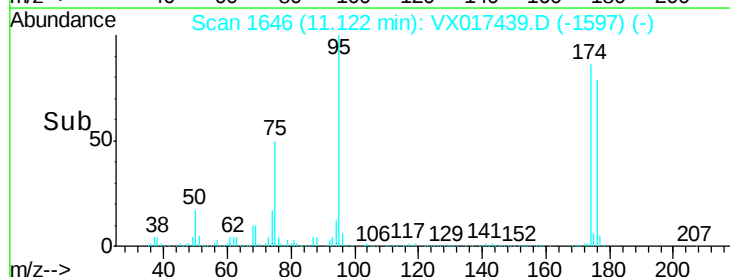
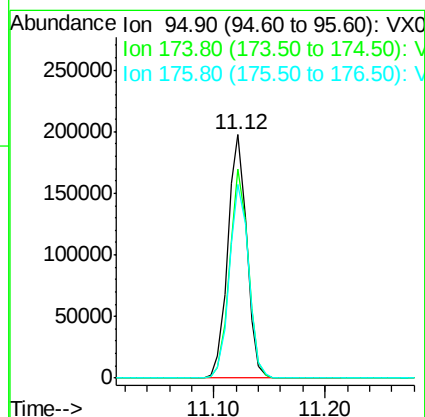
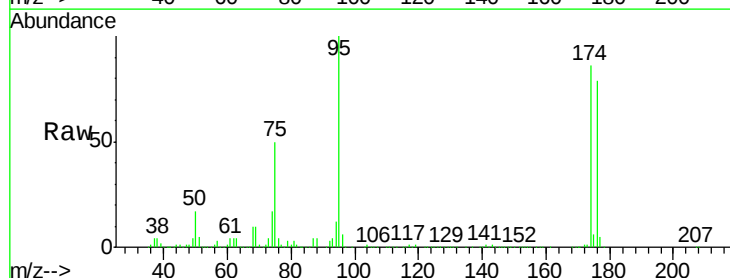
Tgt Ion: 95 Resp: 233220

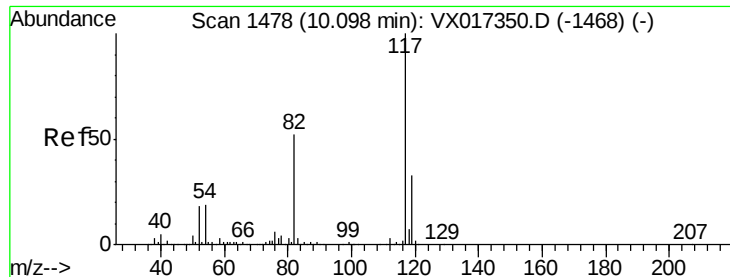
Ion Ratio Lower Upper

95 100

174 84.3 0.0 175.8

176 80.6 0.0 164.6

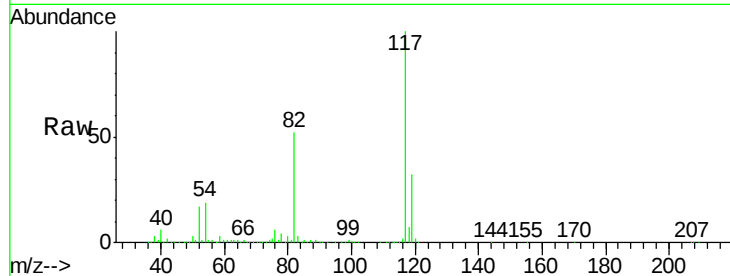




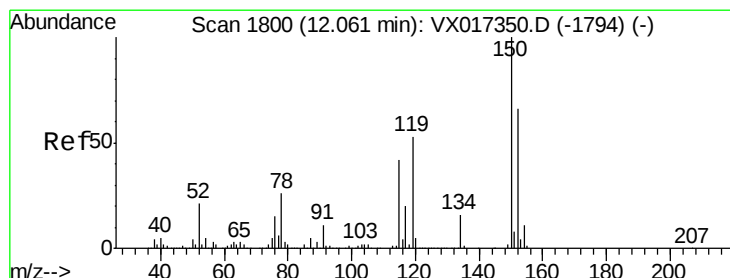
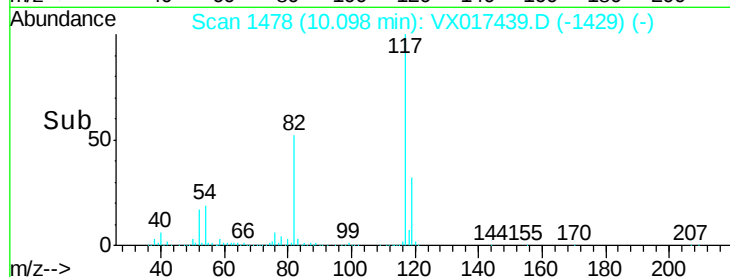
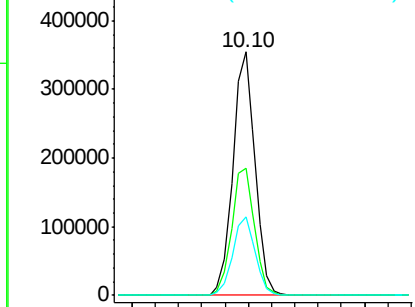
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX017439.D  
Acq: 20 Jul 2020 17:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB130292TB

Tot Ion:117 Resp: 470371  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.0 63.0  
119 32.1 26.3 39.5

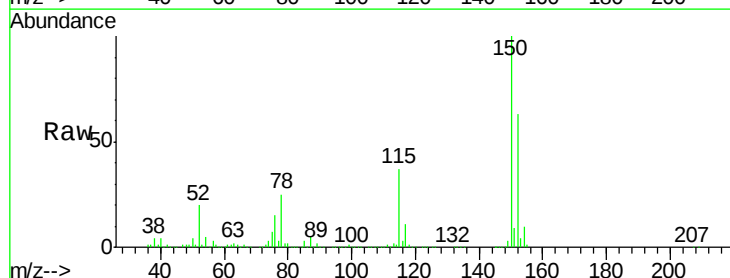


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX017439.D  
Acq: 20 Jul 2020 17:13

Tgt Ion:152 Resp: 249923  
Ion Ratio Lower Upper  
152 100  
115 58.3 39.9 119.7  
150 157.5 0.0 343.4



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

