

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\  
 Data File : VX009591.D  
 Acq On : 15 May 2019 19:31  
 Operator : JC/SP  
 Sample : PB119737TB  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB119737TB

Quant Time: May 16 02:23:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

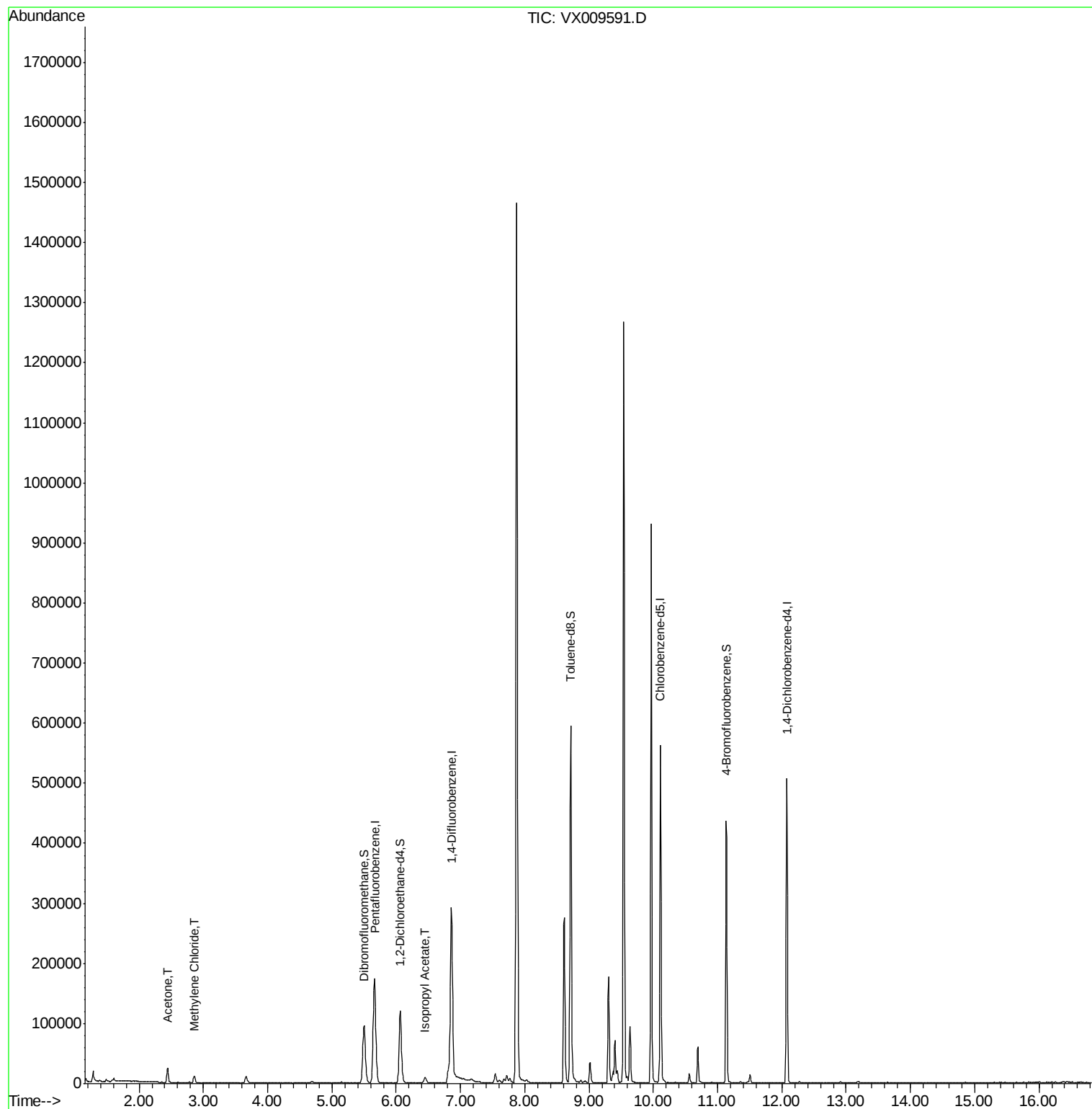
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 170513   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 273037   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 244174   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 102982   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 113547   | 48.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.56%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 83367    | 48.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.14%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 346846   | 50.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.10% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 114707   | 45.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.12%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 27834    | 22.269 | ug/l    | 97       |
| 20) Methylene Chloride      | 2.85  | 84   | 4987     | 2.464  | ug/l #  | 87       |
| 43) Isopropyl Acetate       | 6.45  | 43   | 13454    | 2.379  | ug/l    | 99       |

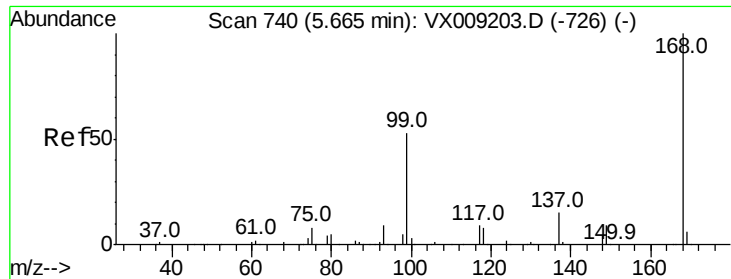
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009591.D

Acq: 15 May 2019 19:31

Instrument :

MSVOA\_X

ClientSampleId :

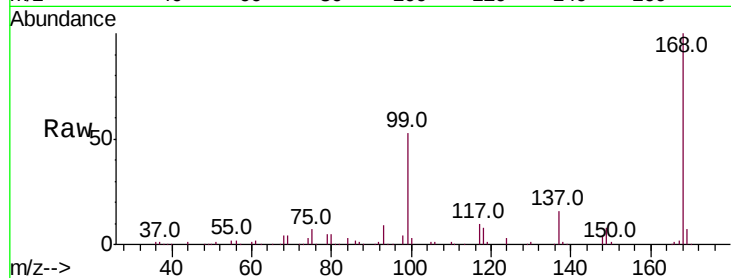
PB119737TB

Tot Ion:168 Resp: 170513

Ion Ratio Lower Upper

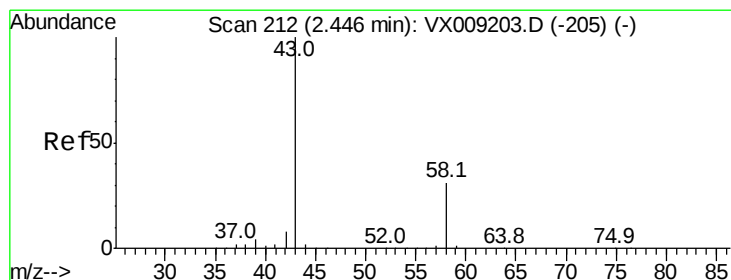
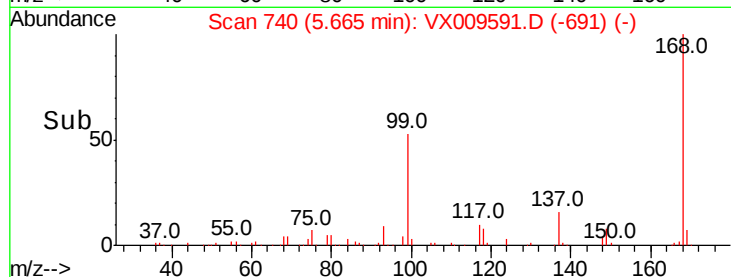
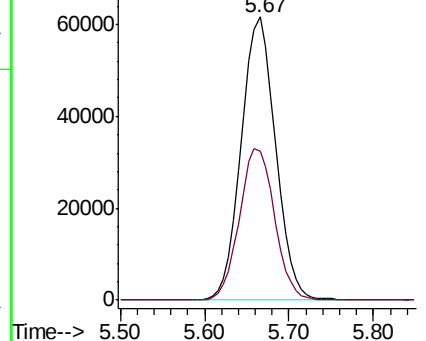
168 100

99 52.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 22.269 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009591.D

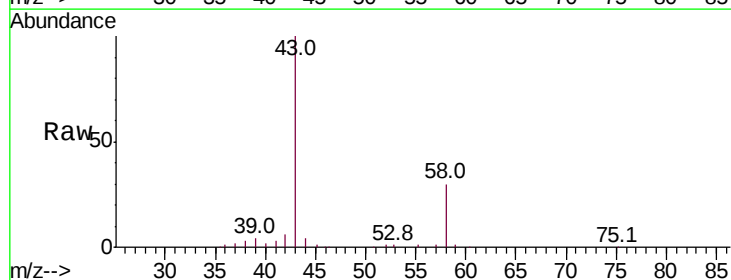
Acq: 15 May 2019 19:31

Tgt Ion: 43 Resp: 27834

Ion Ratio Lower Upper

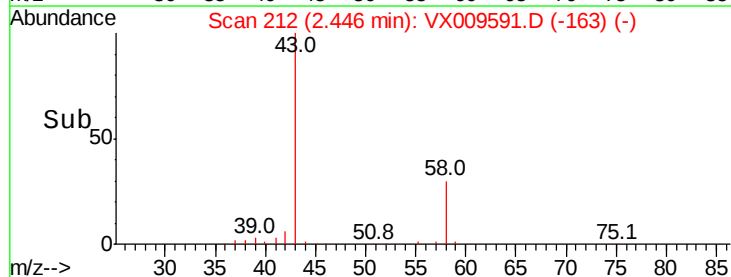
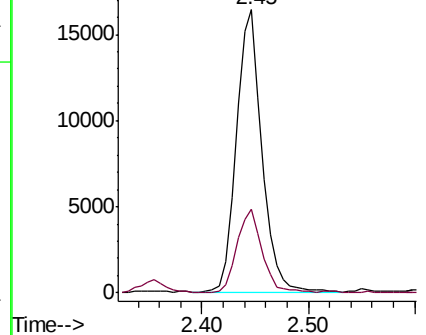
43 100

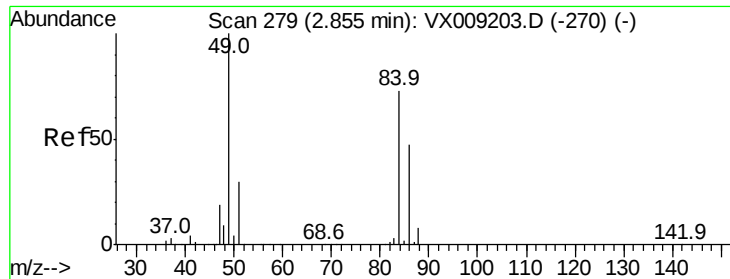
58 29.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

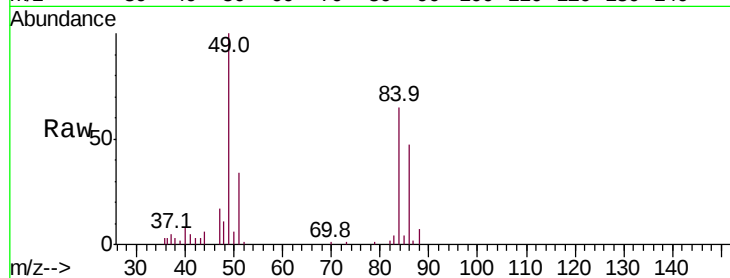




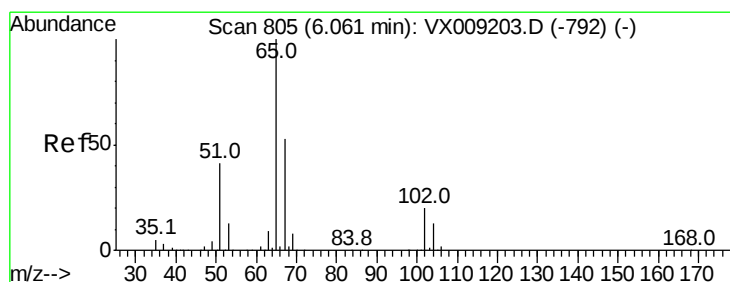
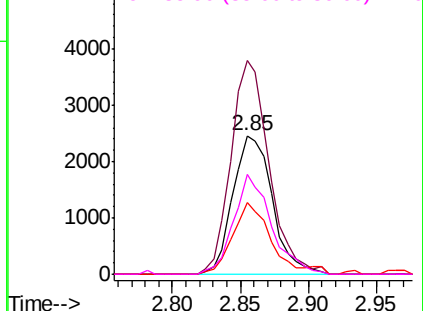
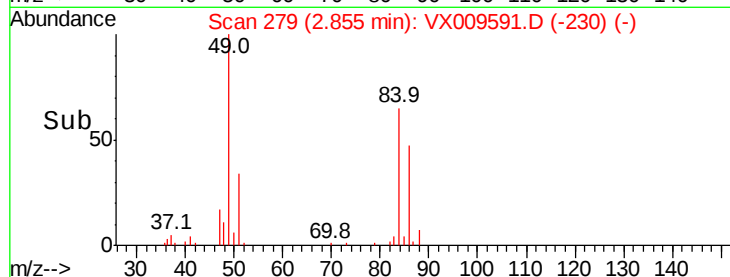
#20  
Methvlene Chloride  
Concen: 2.464 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX009591.D  
Acq: 15 May 2019 19:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB119737TB

Tot Ion: 84 Resp: 4987  
Ion Ratio Lower Upper  
84 100  
49 154.3 109.9 164.9  
51 51.8 32.7 49.1#  
86 71.8 52.0 78.0

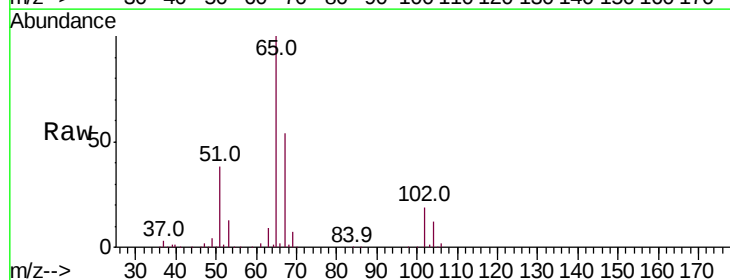


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

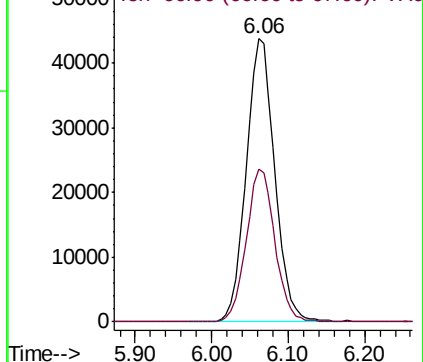
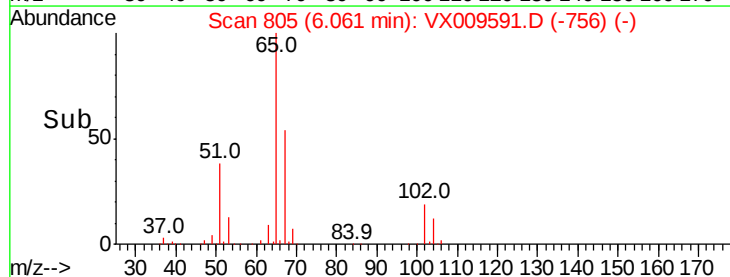


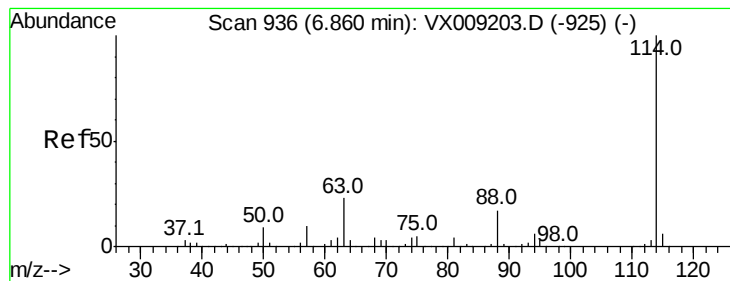
#33  
1,2-Dichloroethane-d4  
Concen: 48.781 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX009591.D  
Acq: 15 May 2019 19:31

Tgt Ion: 65 Resp: 113547  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0  
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009591.D

Acq: 15 May 2019 19:31

Instrument :

MSVOA\_X

ClientSampleId :

PB119737TB

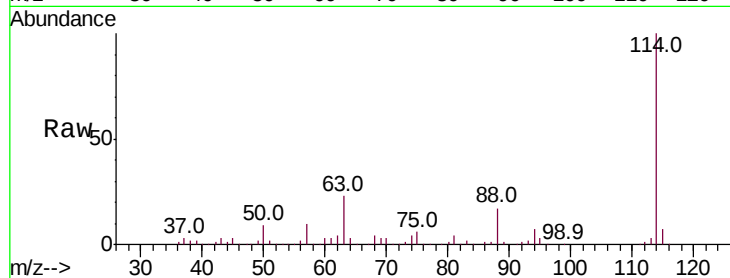
Tot Ion:114 Resp: 273037

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

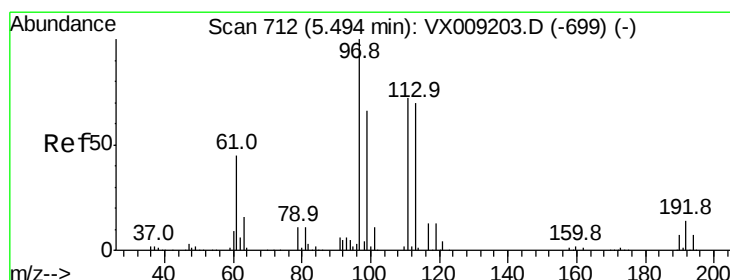
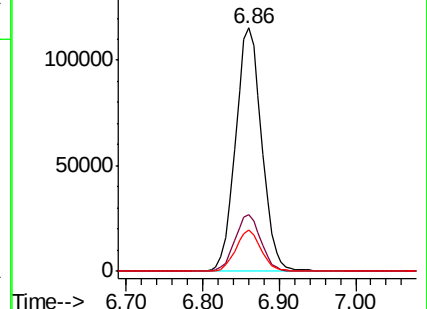
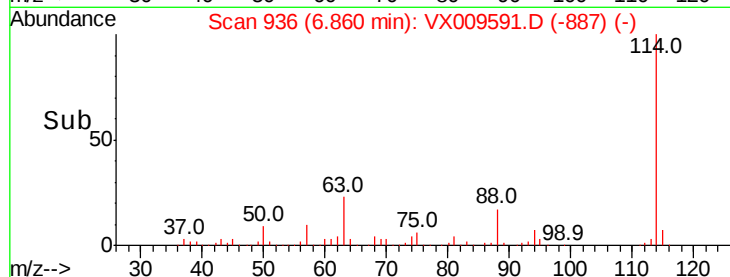
88 17.1 0.0 33.2



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: 48.570 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009591.D

Acq: 15 May 2019 19:31

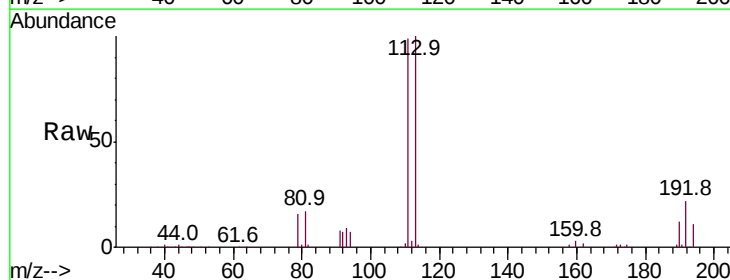
Tgt Ion:113 Resp: 83367

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

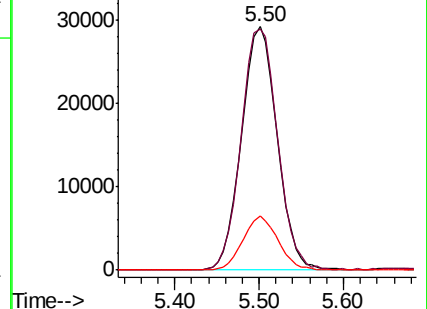
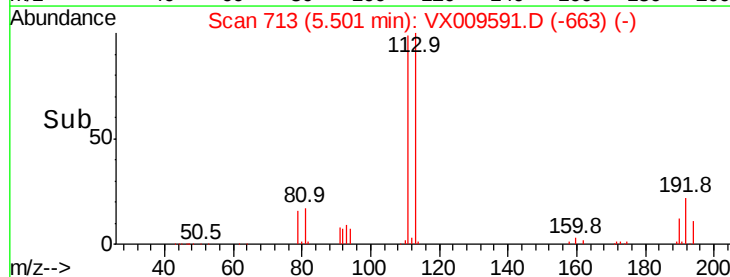
192 21.8 17.0 25.6

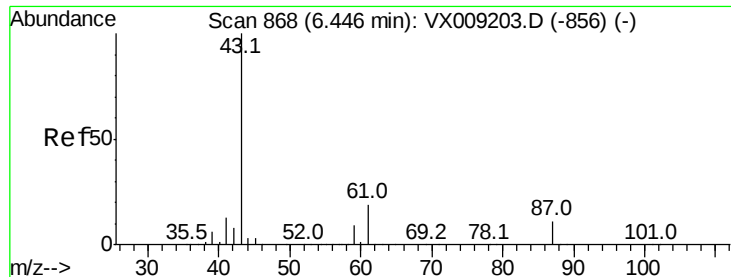


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.379 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX009591.D

Acq: 15 May 2019 19:31

Instrument :

MSVOA\_X

ClientSampleId :

PB119737TB

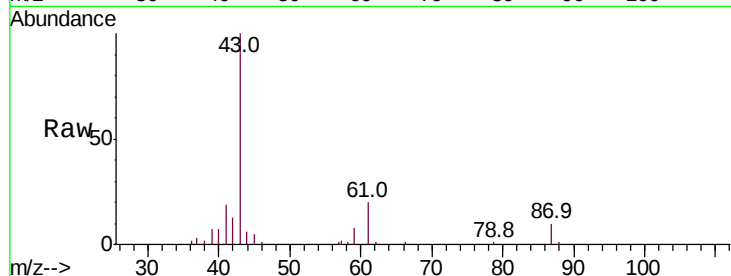
Tot Ion: 43 Resp: 13454

Ion Ratio Lower Upper

43 100

61 19.5 15.1 22.7

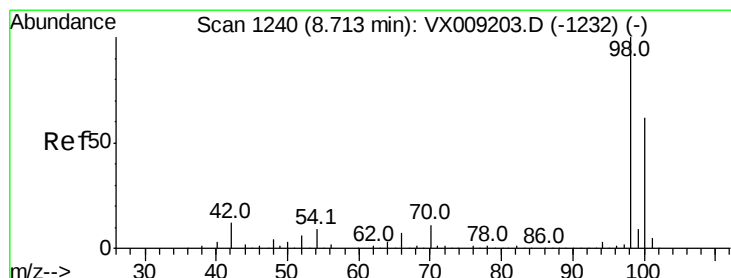
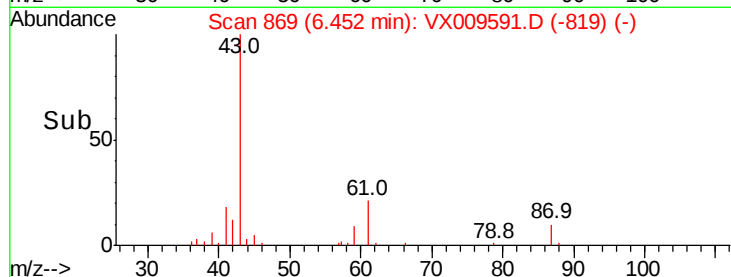
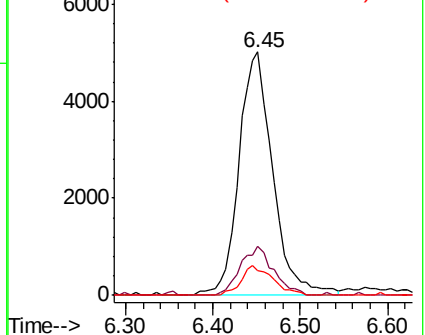
87 11.3 9.0 13.6



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: 50.053 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009591.D

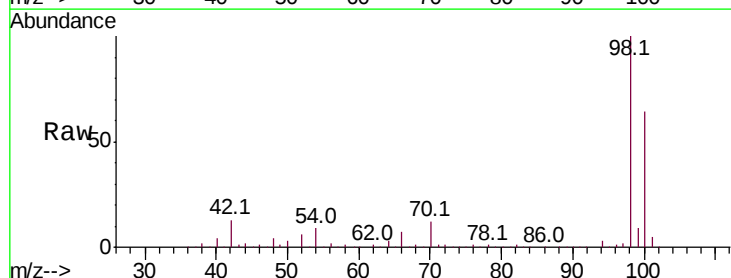
Acq: 15 May 2019 19:31

Tgt Ion: 98 Resp: 346846

Ion Ratio Lower Upper

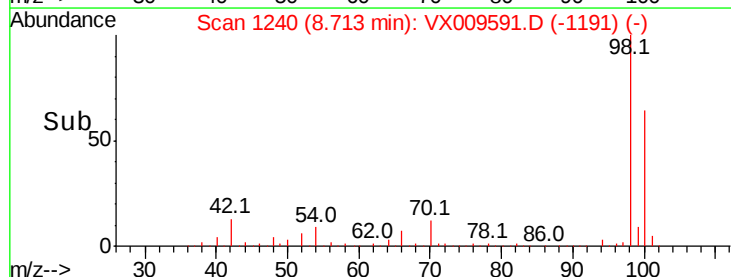
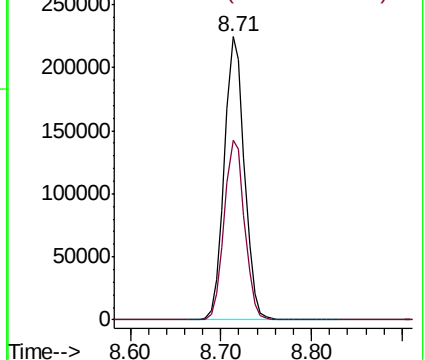
98 100

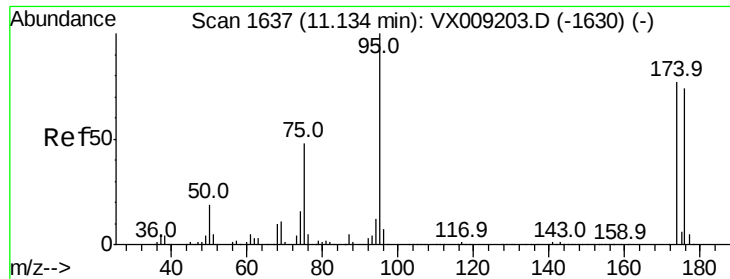
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009591.D

Acq: 15 May 2019 19:31

Instrument :

MSVOA\_X

ClientSampleId :

PB119737TB

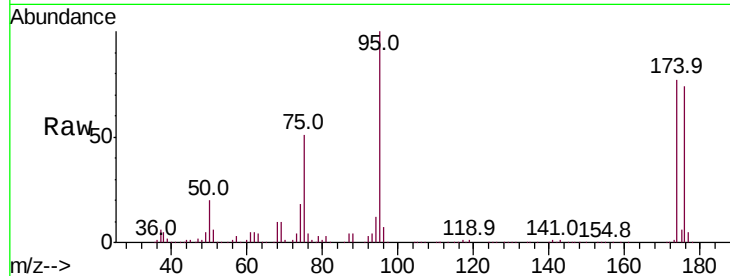
Tot Ion: 95 Resp: 114707

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

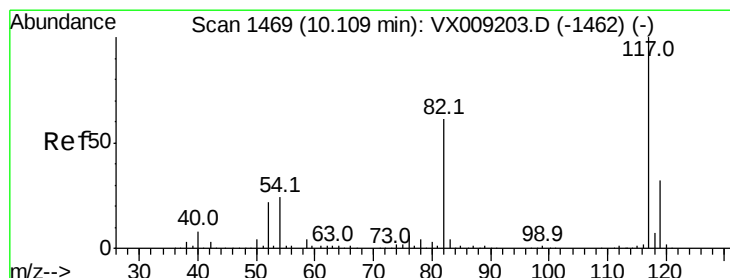
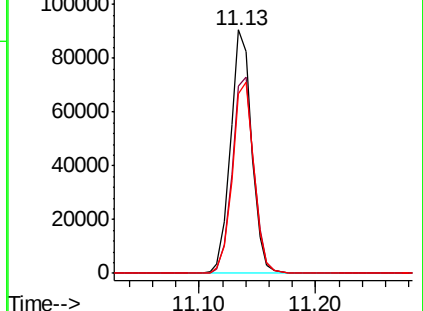
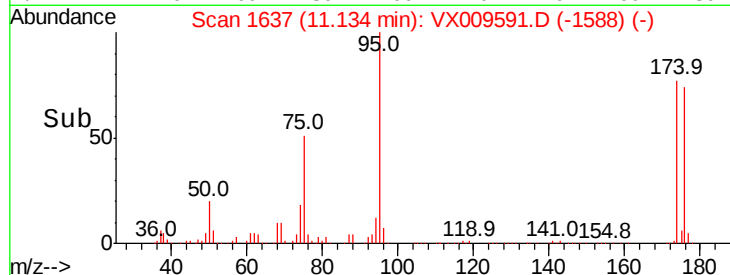
176 80.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009591.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009591.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009591.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009591.D

Acq: 15 May 2019 19:31

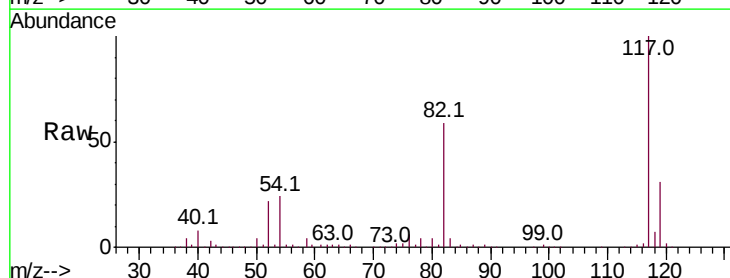
Tgt Ion: 117 Resp: 244174

Ion Ratio Lower Upper

117 100

82 59.1 48.8 73.2

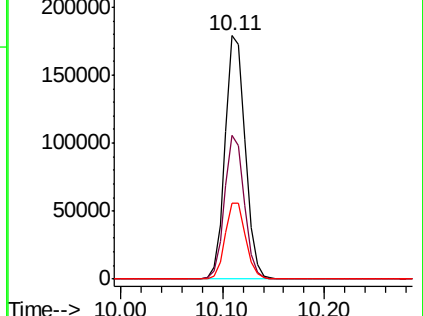
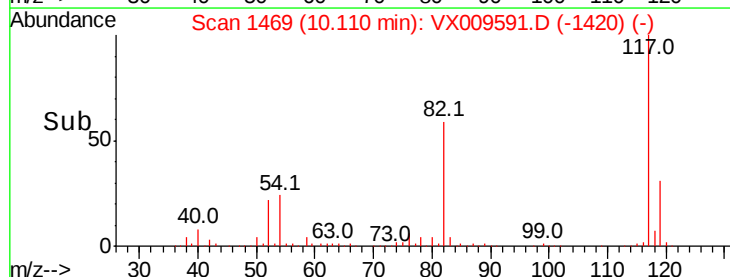
119 31.4 25.8 38.6

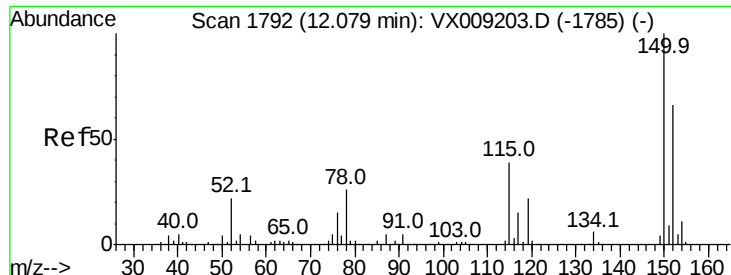


Abundance Ion 116.90 (116.60 to 117.60): VX009591.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009591.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009591.D (-1420) (-)

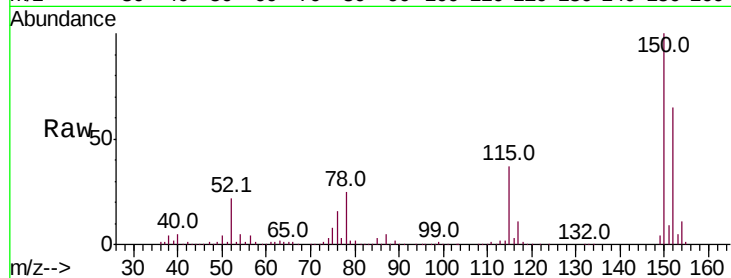




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX009591.D  
 Acq: 15 May 2019 19:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB119737TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.5  | 41.2  | 123.6 |
| 150     | 157.0 | 0.0   | 346.4 |



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

