

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040419\  
 Data File : VX008643.D  
 Acq On : 04 Apr 2019 18:04  
 Operator : JC/SP  
 Sample : K2275-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S8-EB-2019-1

Quant Time: Apr 05 08:31:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

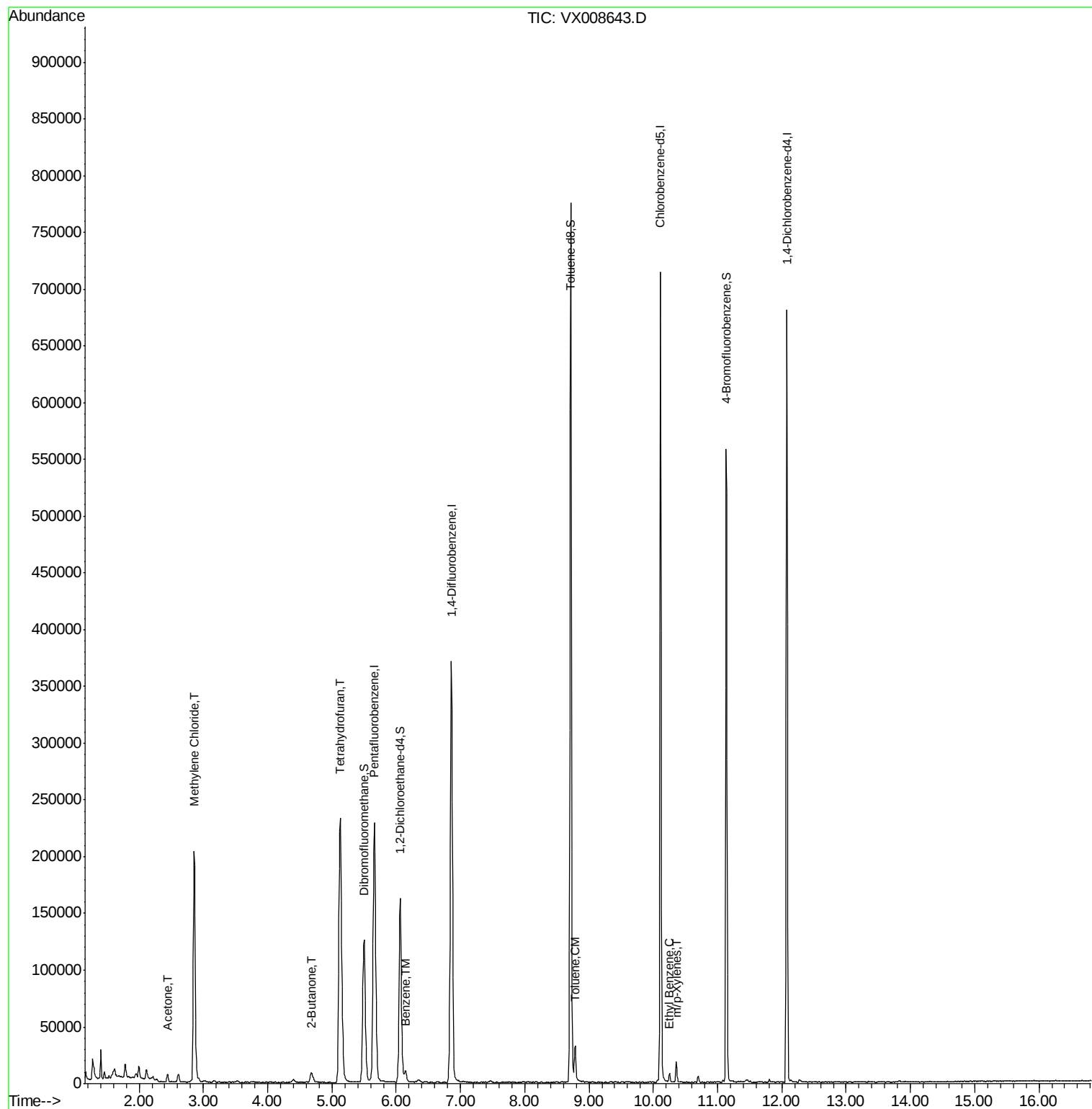
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 215763   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 361772   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 313445   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 132240   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 149706   | 47.57   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 95.14% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 109731   | 47.44   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.88% |          |
| 50) Toluene-d8              | 8.71  | 98   | 451351   | 49.01   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 98.02% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 153154   | 46.89   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 93.78% |          |
| Target Compounds            |       |      |          |         |        |          |
|                             |       |      |          |         | Qvalue |          |
| 16) Acetone                 | 2.44  | 43   | 7076     | 3.904   | ug/l   | 91       |
| 20) Methylene Chloride      | 2.85  | 84   | 93155    | 30.703  | ug/l   | 96       |
| 25) 2-Butanone              | 4.68  | 43   | 15837    | 5.528   | ug/l   | 93       |
| 29) Tetrahydrofuran         | 5.13  | 42   | 239833   | 126.130 | ug/l   | 99       |
| 40) Benzene                 | 6.15  | 78   | 10421    | 0.885   | ug/l   | 97       |
| 52) Toluene                 | 8.79  | 92   | 10819    | 1.558   | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.26 | 91   | 4091     | 0.316   | ug/l   | 95       |
| 68) m/p-Xylenes             | 10.36 | 106  | 4225     | 0.907   | ug/l   | 97       |

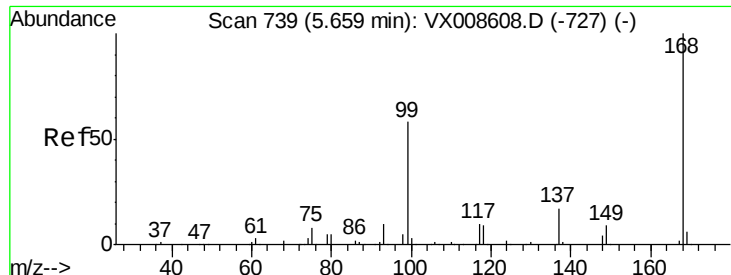
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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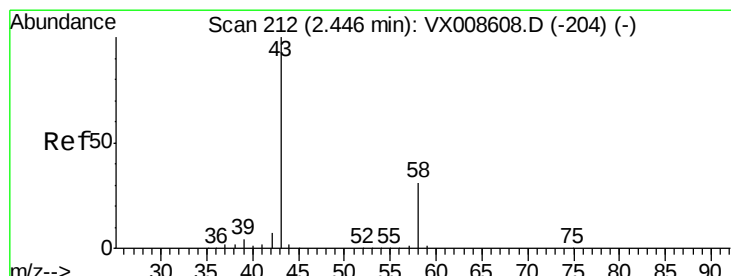
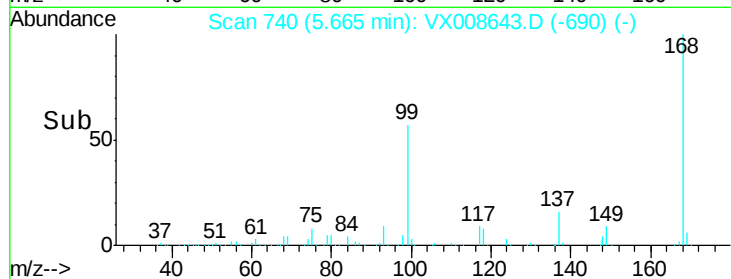
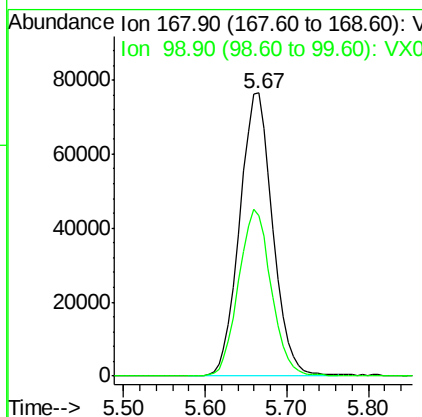
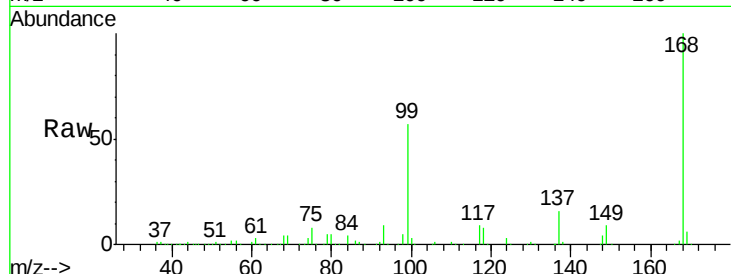




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

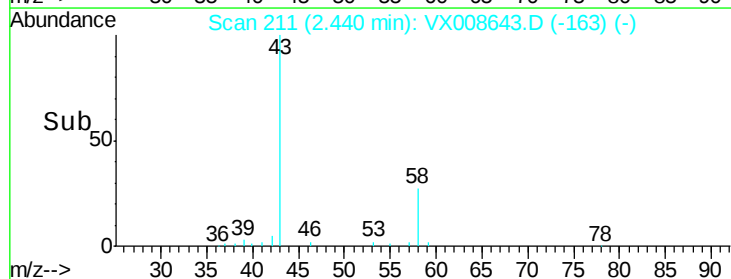
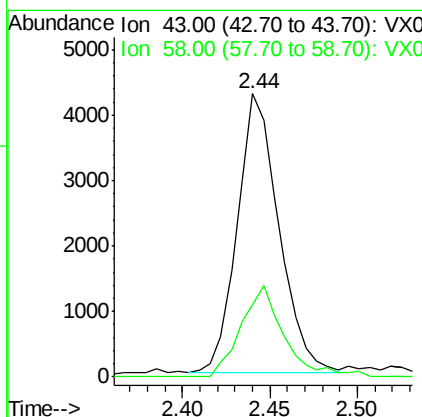
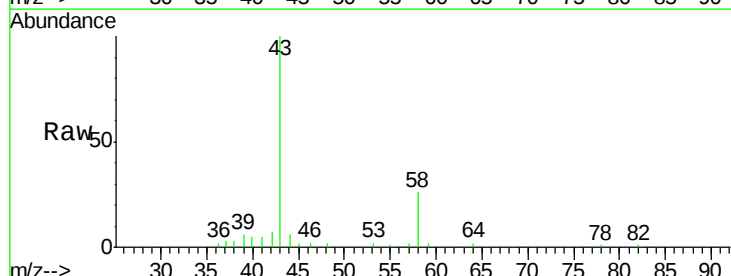
Instrument :  
MSVOA\_X  
ClientSampleId :  
S8-EB-2019-1

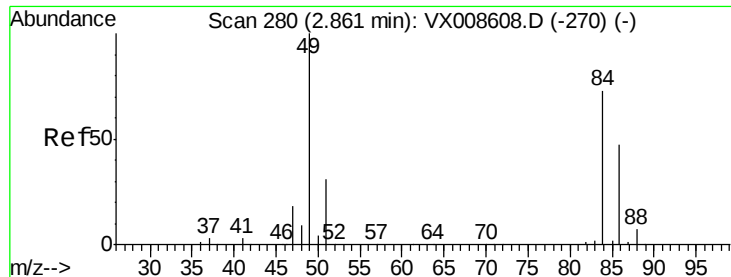
Tot Ion:168 Resp: 215763  
Ion Ratio Lower Upper  
168 100  
99 56.6 46.7 70.1



#16  
Acetone  
Concen: 3.904 ug/l  
RT: 2.44 min Scan# 211  
Delta R.T. -0.01 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Tgt Ion: 43 Resp: 7076  
Ion Ratio Lower Upper  
43 100  
58 26.1 24.8 37.2

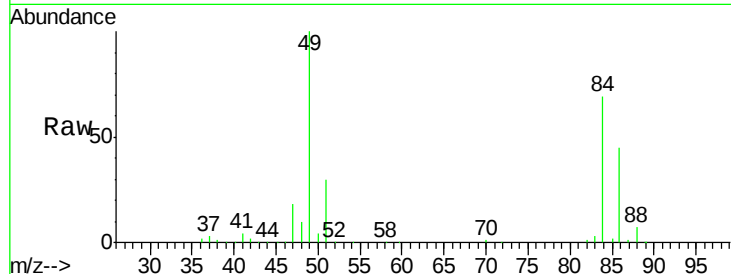




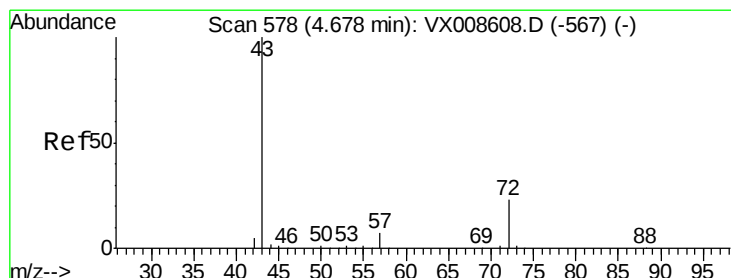
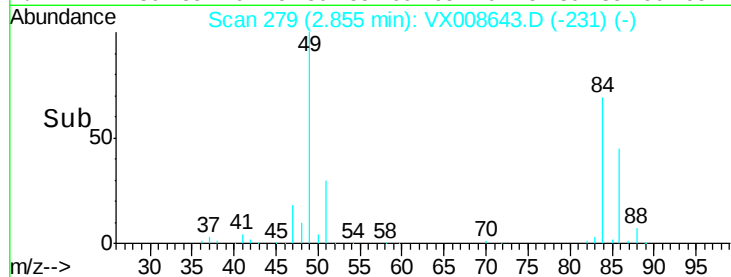
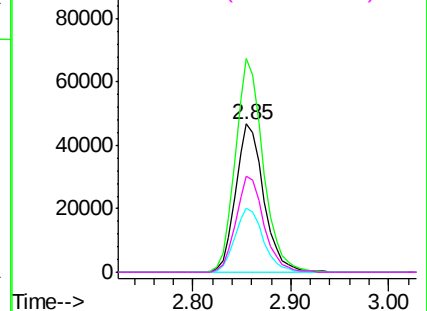
#20  
Methvlene Chloride  
Concen: 30.703 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.01 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S8-EB-2019-1

Tot Ion: 84 Resp: 93155  
Ion Ratio Lower Upper  
84 100  
49 144.4 109.7 164.5  
51 43.4 33.6 50.4  
86 65.0 51.4 77.2

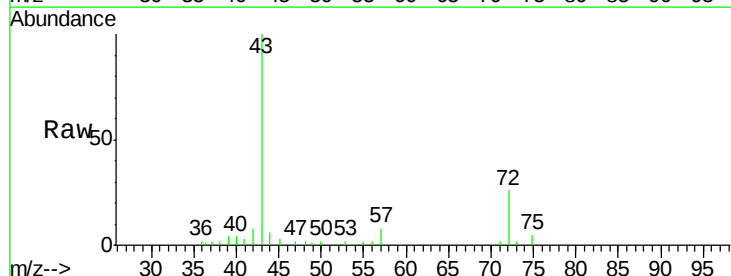


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

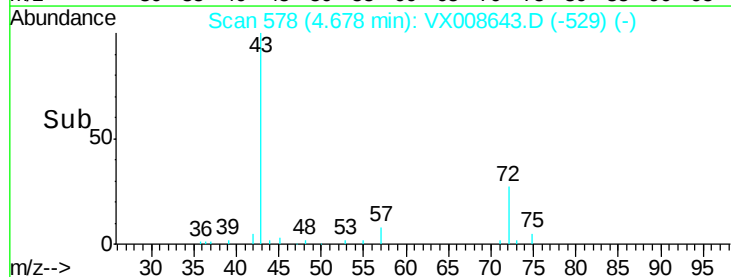
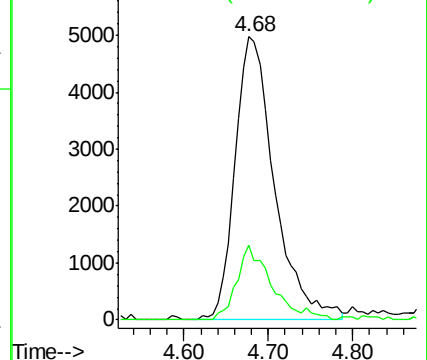


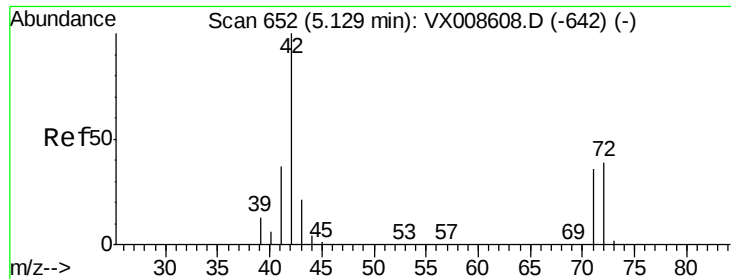
#25  
2-Butanone  
Concen: 5.528 ug/l  
RT: 4.68 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Tgt Ion: 43 Resp: 15837  
Ion Ratio Lower Upper  
43 100  
72 26.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0

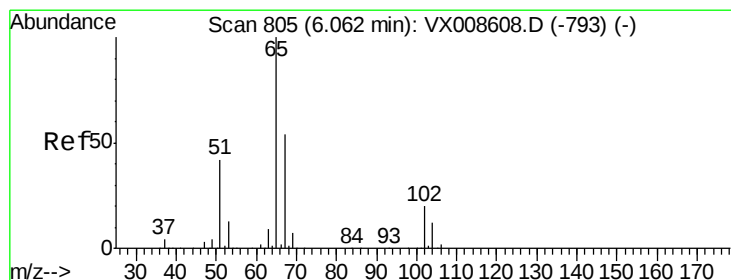
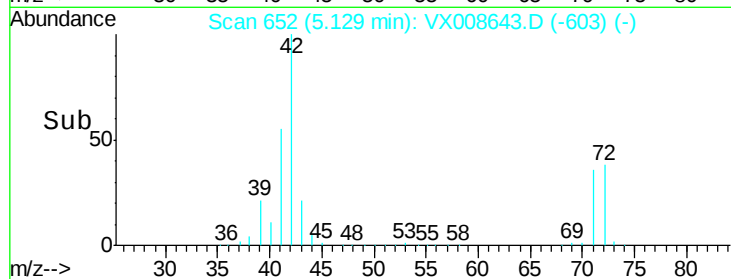
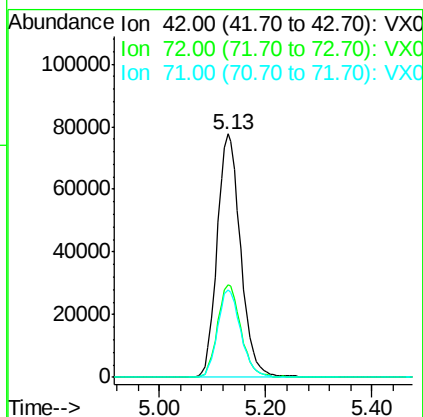
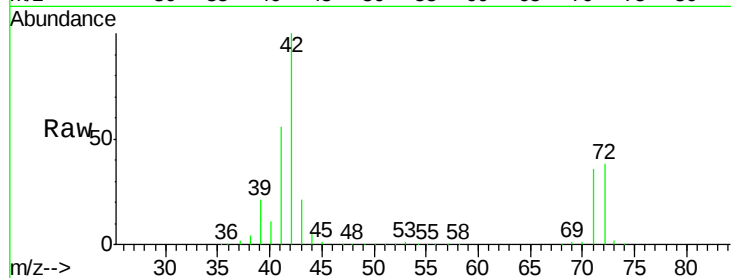




#29  
Tetrahydrofuran  
Concen: 126.130 ug/l  
RT: 5.13 min Scan# 652  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

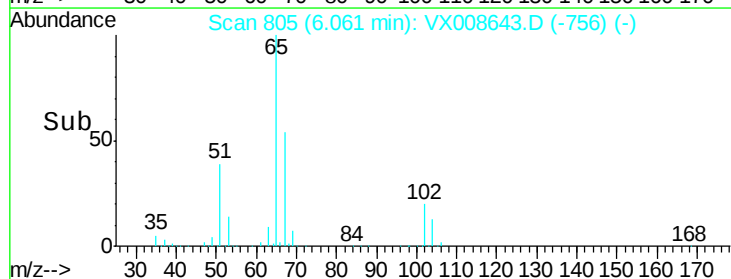
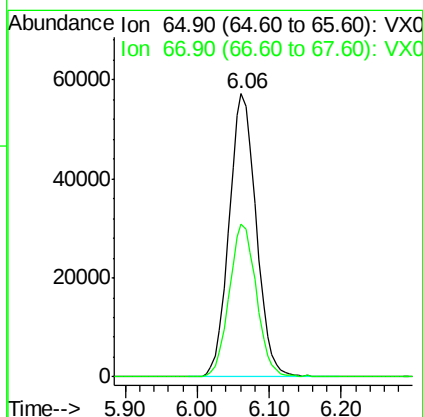
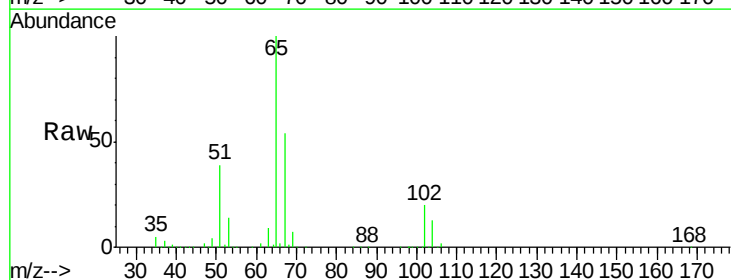
Instrument :  
MSVOA\_X  
ClientSampled :  
S8-EB-2019-1

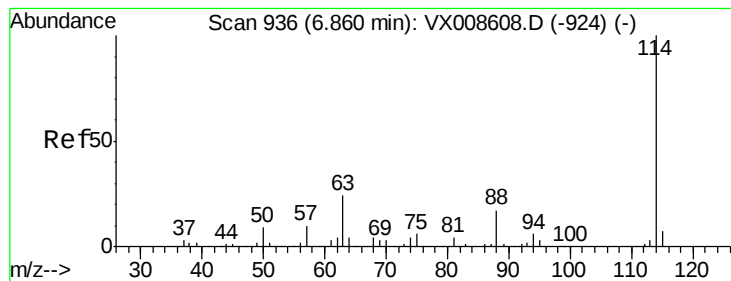
Tot Ion: 42 Resp: 239833  
Ion Ratio Lower Upper  
42 100  
72 37.4 30.5 45.7  
71 35.5 28.6 43.0



#33  
1,2-Dichloroethane-d4  
Concen: 47.571 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Tgt Ion: 65 Resp: 149706  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008643.D

Acq: 04 Apr 2019 18:04

Instrument :

MSVOA\_X

ClientSampleId :

S8-EB-2019-1

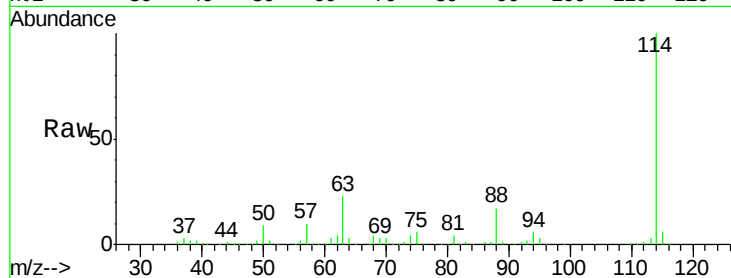
Tot Ion:114 Resp: 361772

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.2

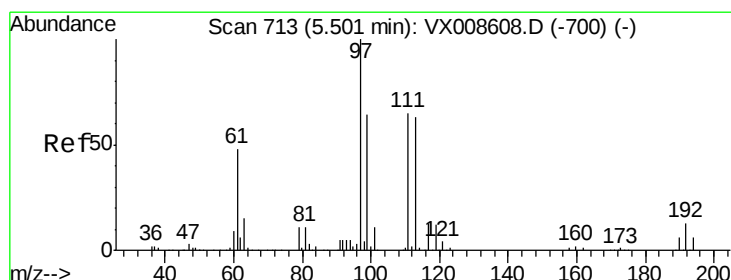
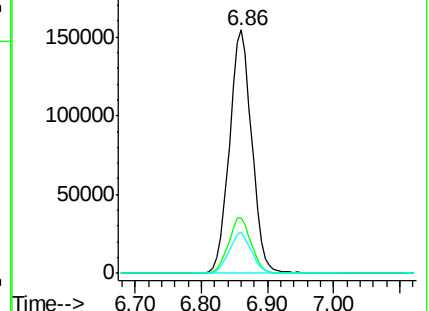
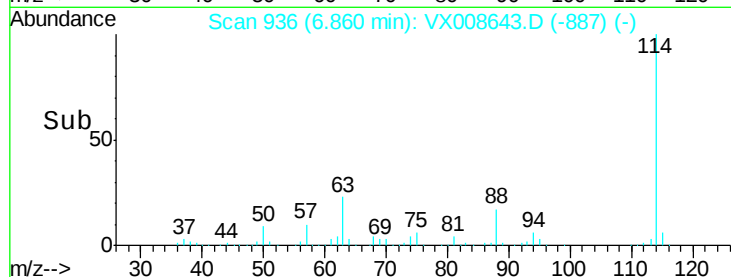
88 16.9 0.0 34.0



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: 47.440 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008643.D

Acq: 04 Apr 2019 18:04

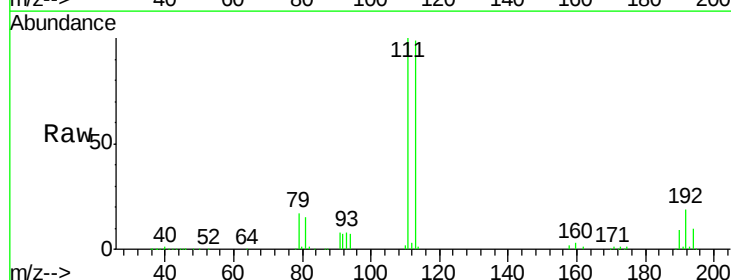
Tgt Ion:113 Resp: 109731

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

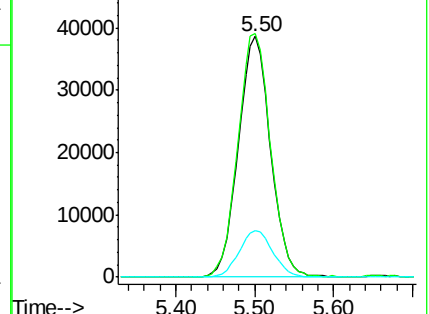
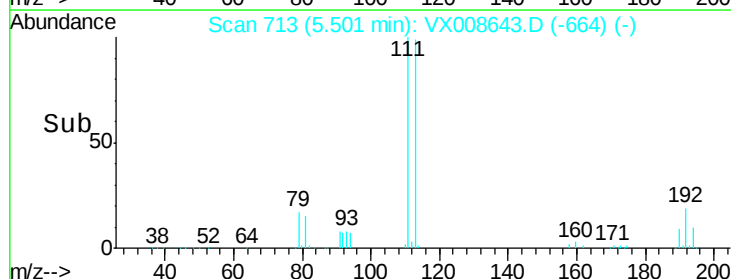
192 20.2 16.1 24.1

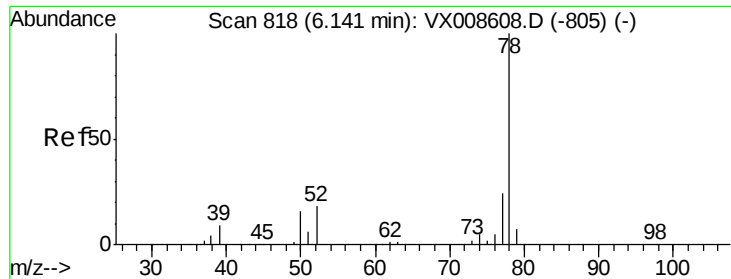


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

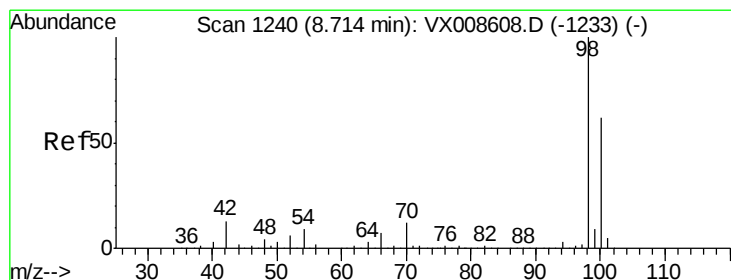
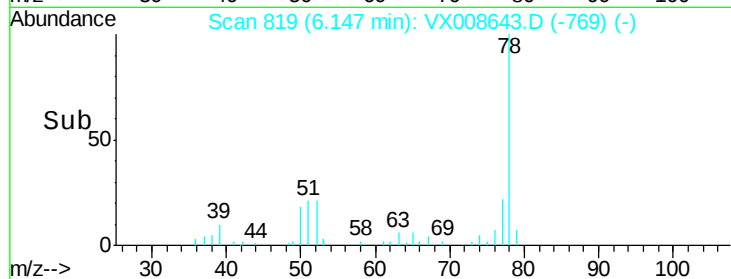
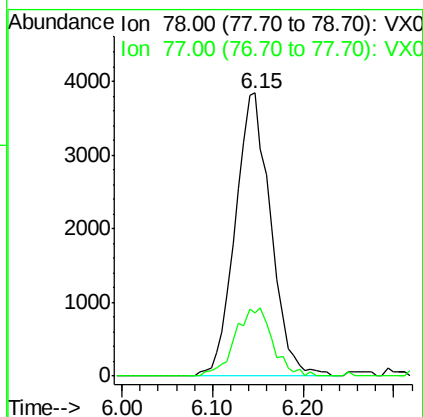
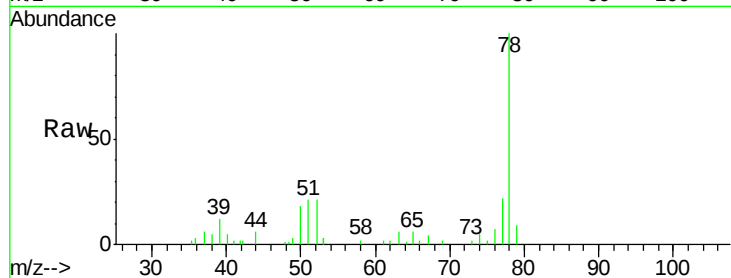




#40  
Benzene  
Concen: 0.885 ug/l  
RT: 6.15 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

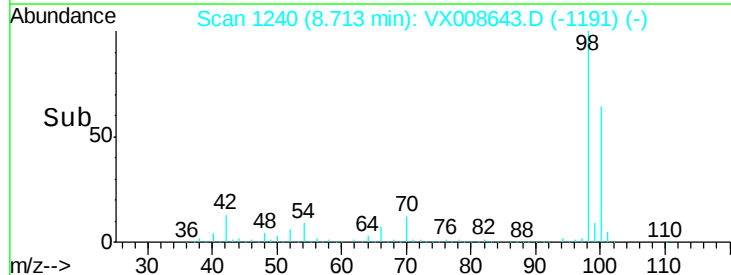
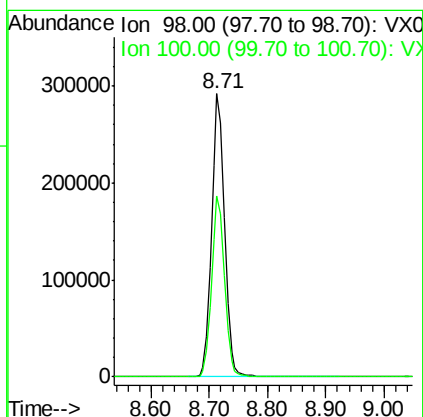
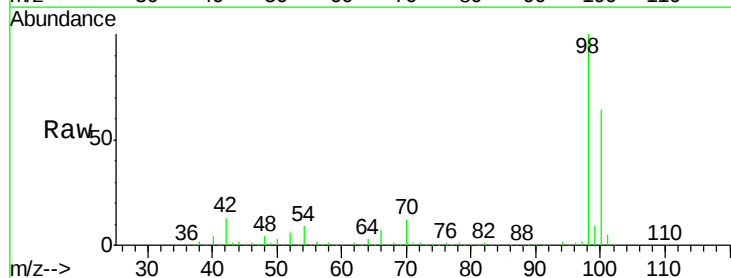
Instrument :  
MSVOA\_X  
ClientSampleId :  
S8-EB-2019-1

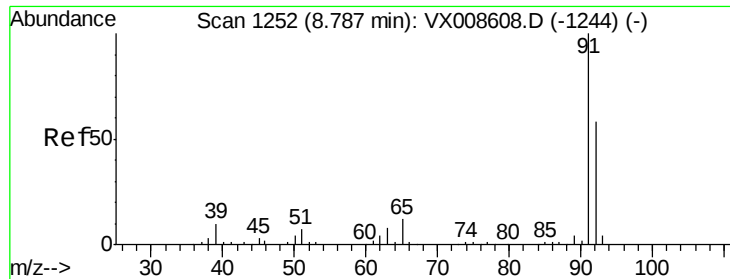
Tot Ion: 78 Resp: 10421  
Ion Ratio Lower Upper  
78 100  
77 22.3 19.1 28.7



#50  
Toluene-d8  
Concen: 49.007 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Tgt Ion: 98 Resp: 451351  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0





#52

Toluene

Concen: 1.558 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008643.D

Acq: 04 Apr 2019 18:04

Instrument :

MSVOA\_X

ClientSampled :

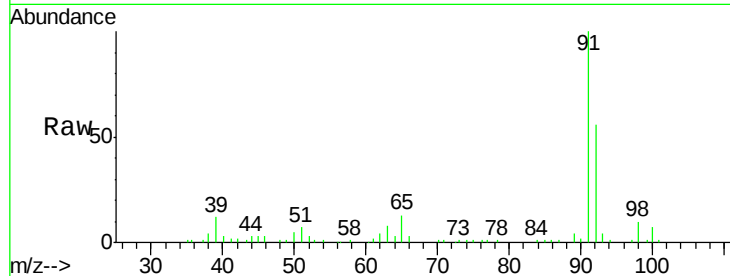
S8-EB-2019-1

Tot Ion: 92 Resp: 10819

Ion Ratio Lower Upper

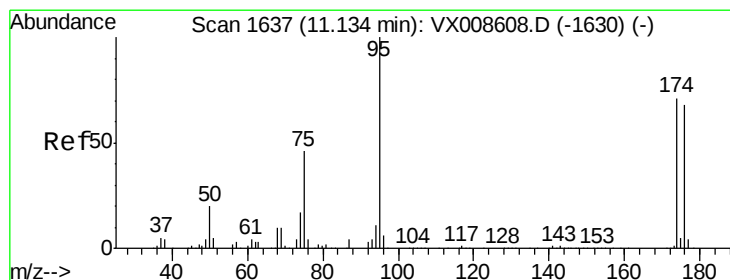
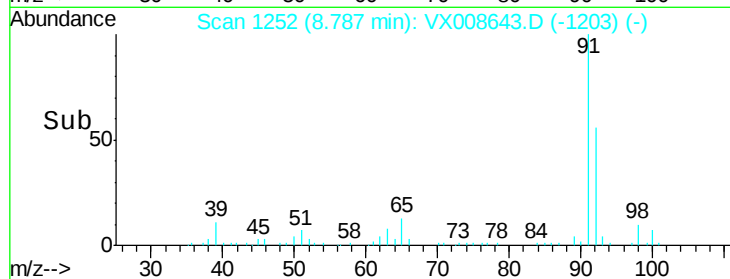
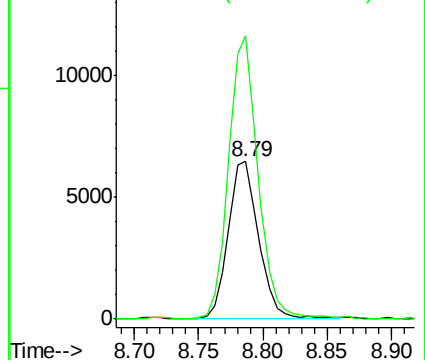
92 100

91 174.2 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.894 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008643.D

Acq: 04 Apr 2019 18:04

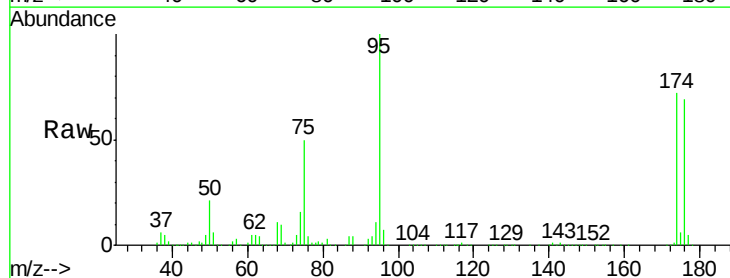
Tgt Ion: 95 Resp: 153154

Ion Ratio Lower Upper

95 100

174 76.4 0.0 151.8

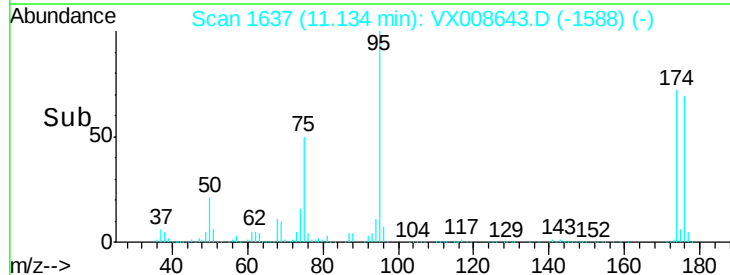
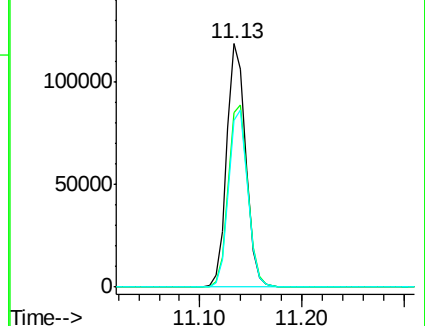
176 73.5 0.0 145.8

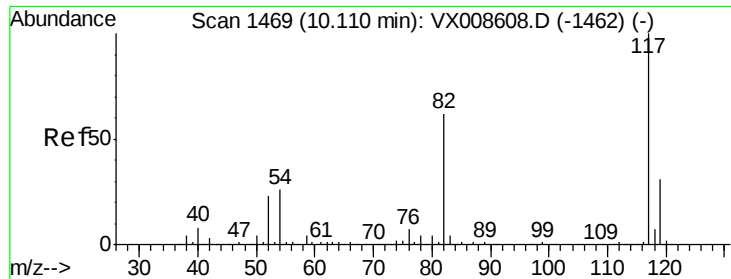


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

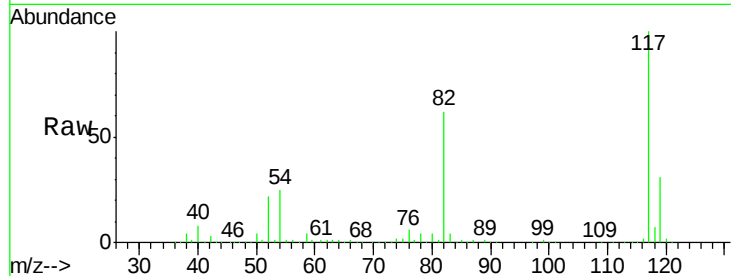




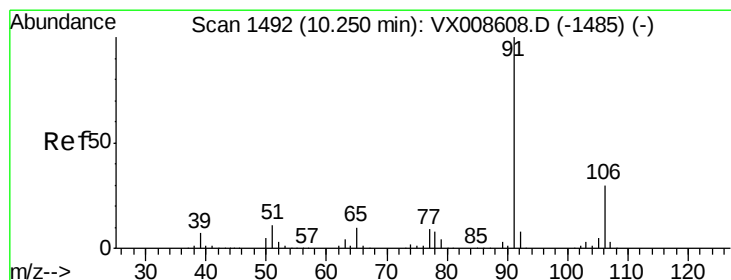
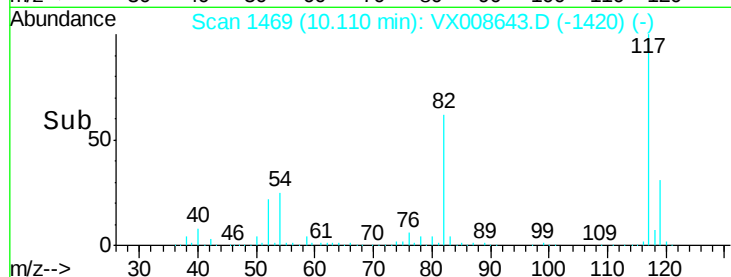
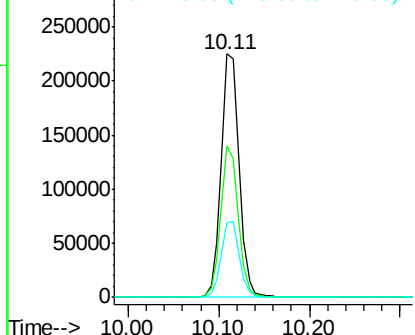
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S8-EB-2019-1

Tot Ion:117 Resp: 313445  
Ion Ratio Lower Upper  
117 100  
82 62.2 49.6 74.4  
119 30.9 25.0 37.4

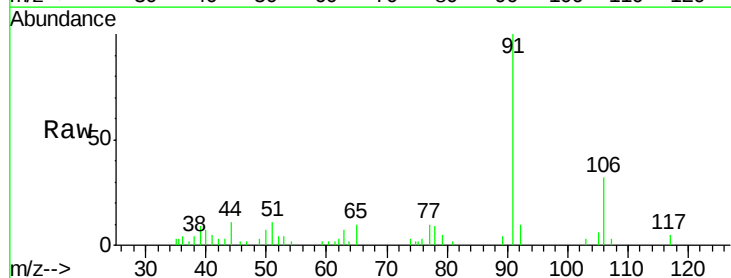


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

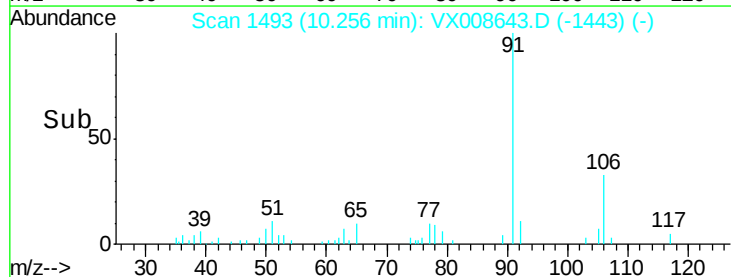
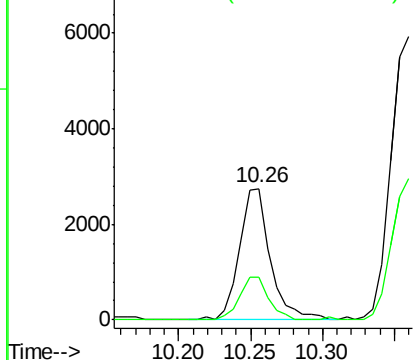


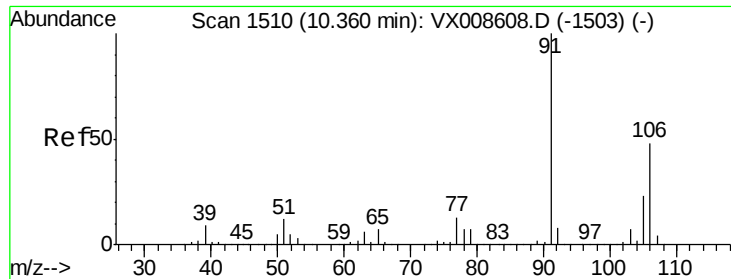
#67  
Ethyl Benzene  
Concen: 0.316 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. 0.01 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Tgt Ion: 91 Resp: 4091  
Ion Ratio Lower Upper  
91 100  
106 32.4 23.7 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V

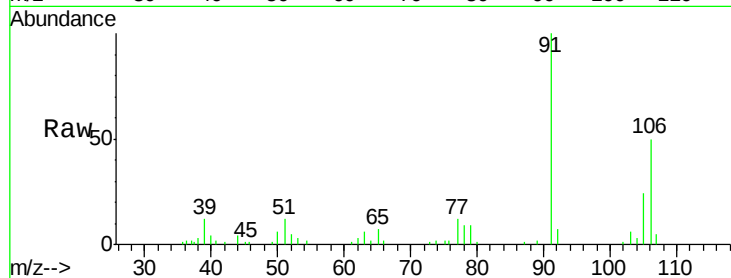




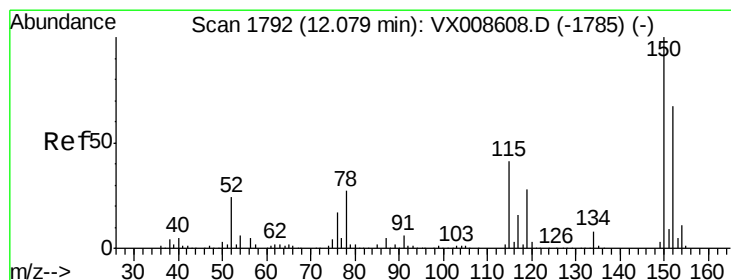
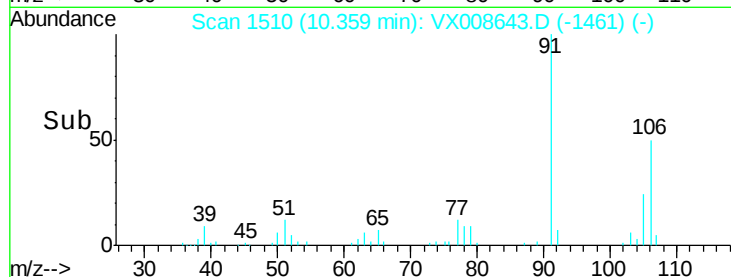
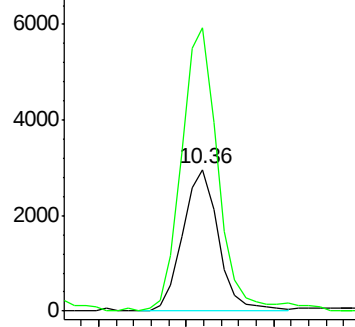
#68  
m/p-Xvlenes  
Concen: 0.907 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
S8-EB-2019-1

Tot Ion:106 Resp: 4225  
Ion Ratio Lower Upper  
106 100  
91 205.8 168.5 252.7

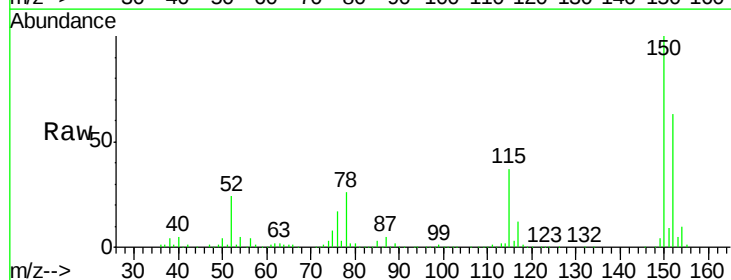


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX008643.D  
Acq: 04 Apr 2019 18:04

Tgt Ion:152 Resp: 132240  
Ion Ratio Lower Upper  
152 100  
115 60.6 43.5 130.5  
150 156.9 0.0 348.8



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

