

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\  
 Data File : VX012114.D  
 Acq On : 05 Sep 2019 21:22  
 Operator : SY/SP  
 Sample : K4618-12  
 Misc : 5.10g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SB-4-26-28

Quant Time: Sep 11 07:43:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 15:26:48 2019  
 Response via : Initial Calibration

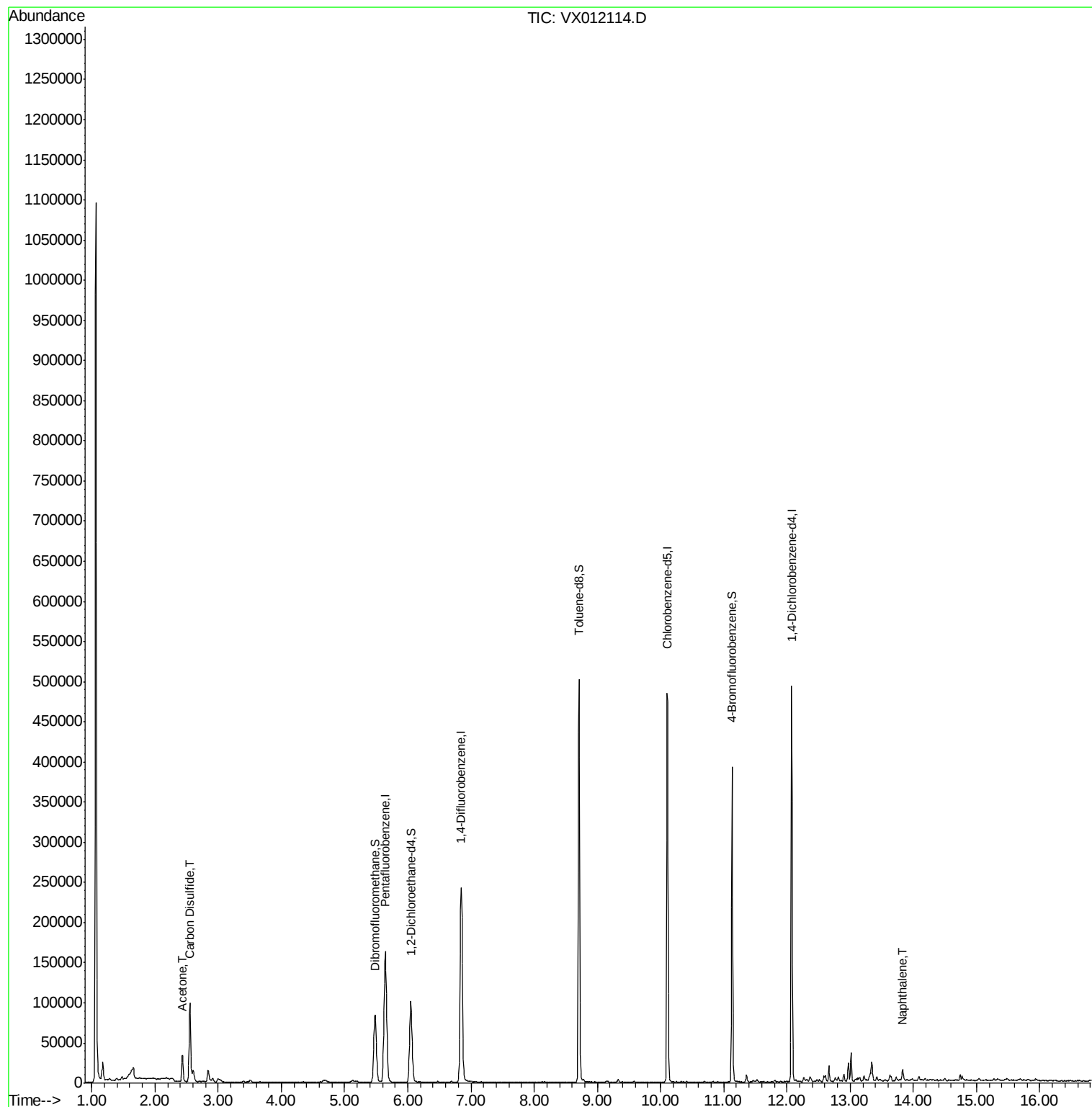
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 138504   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 236701   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 209021   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 91141    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 102807   | 53.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.60% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 71449    | 49.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.16%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 282919   | 52.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.94% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 114300   | 46.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.02%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.44  | 43   | 36244    | 79.345 | ug/l    | 97       |
| 17) Carbon Disulfide        | 2.55  | 76   | 130100   | 32.641 | ug/l    | 98       |
| 95) Naphthalene             | 13.83 | 128  | 6932     | 1.667  | ug/l    | 96       |

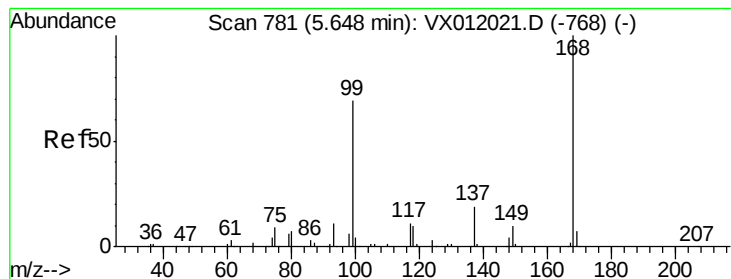
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X090319S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 03 15:26:48 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA\_X

ClientSampled :

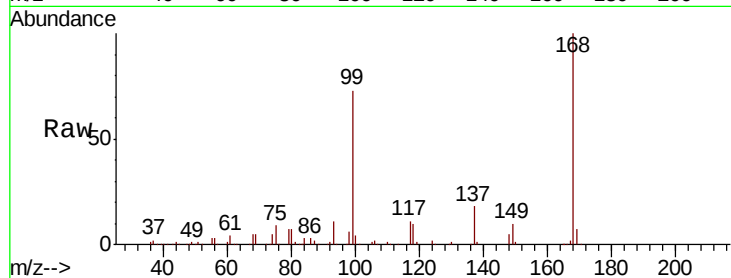
SB-4-26-28

Tot Ion:168 Resp: 138504

Ion Ratio Lower Upper

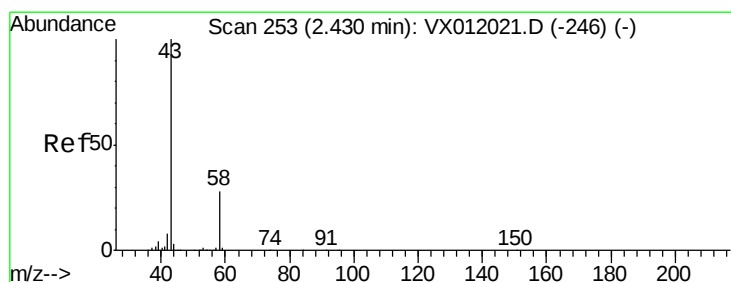
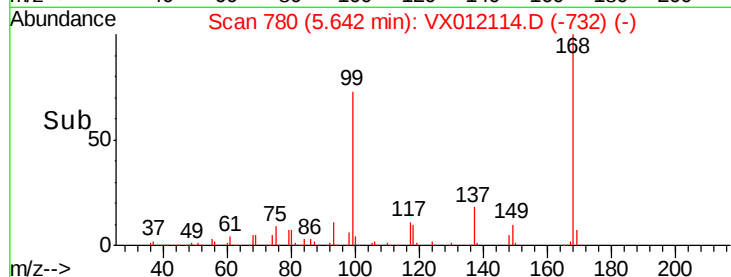
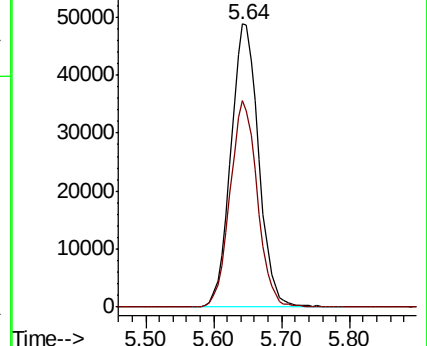
168 100

99 72.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 79.345 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012114.D

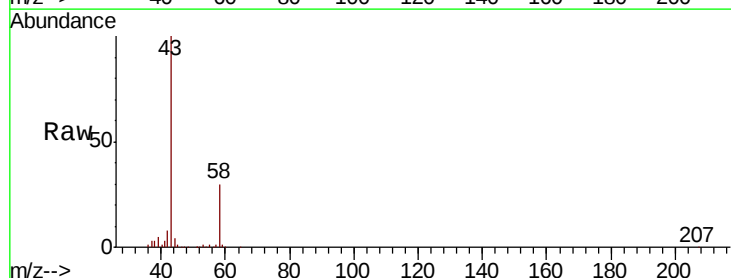
Acq: 05 Sep 2019 21:22

Tgt Ion: 43 Resp: 36244

Ion Ratio Lower Upper

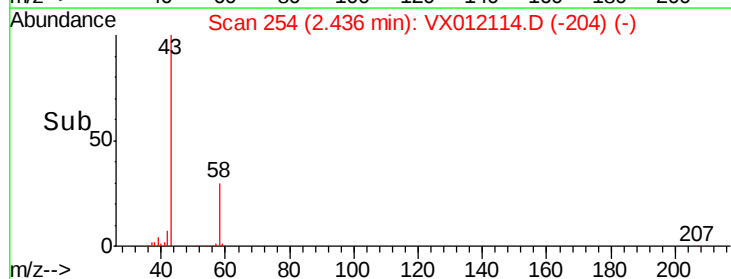
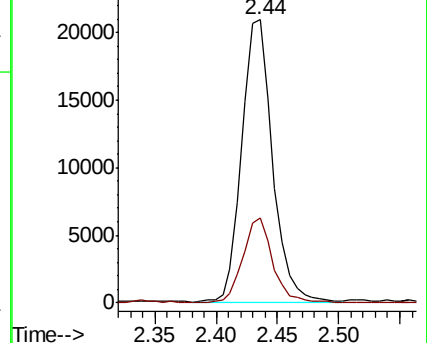
43 100

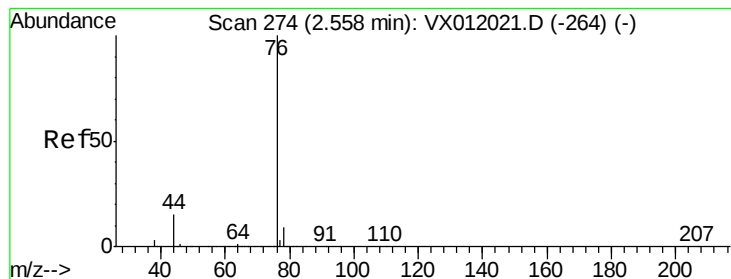
58 30.3 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 32.641 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA\_X

ClientSampleId :

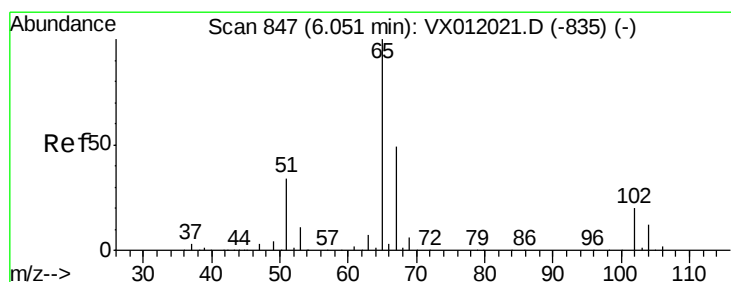
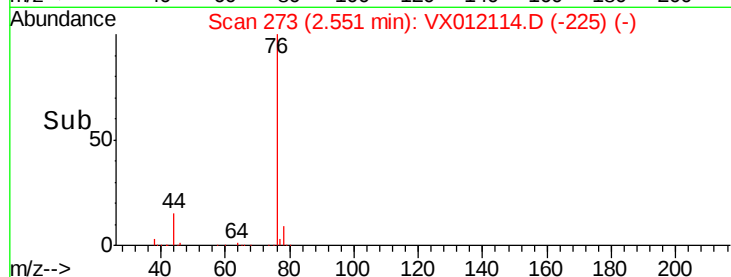
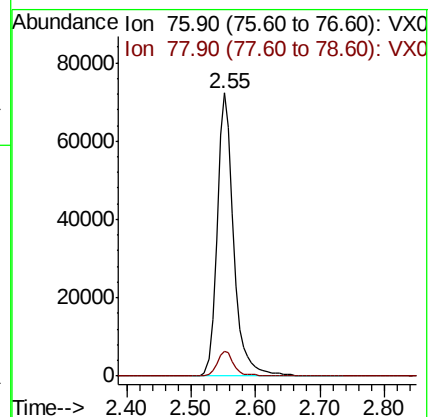
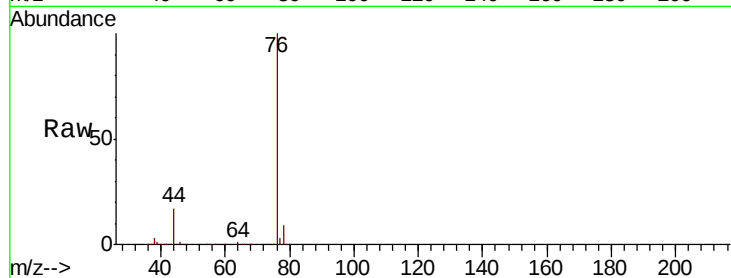
SB-4-26-28

Tot Ion: 76 Resp: 130100

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



#33

1,2-Dichloroethane-d4

Concen: 53.795 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012114.D

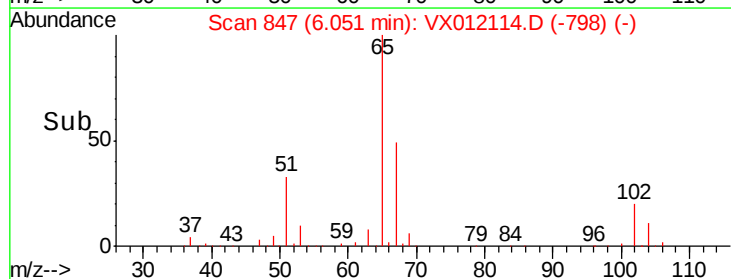
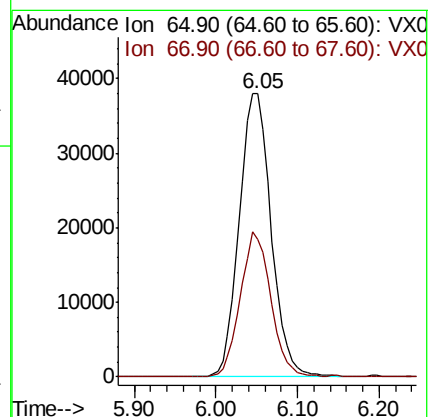
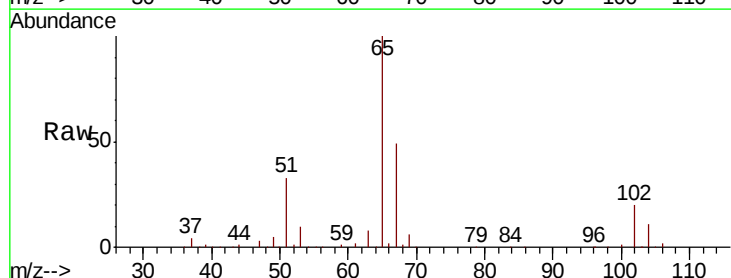
Acq: 05 Sep 2019 21:22

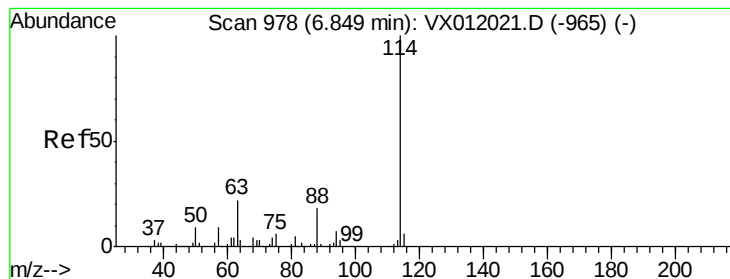
Tgt Ion: 65 Resp: 102807

Ion Ratio Lower Upper

65 100

67 49.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

Instrument :

MSVOA\_X

ClientSampled :

SB-4-26-28

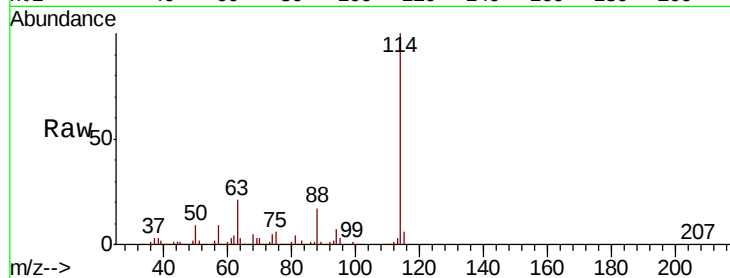
Tot Ion:114 Resp: 236701

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

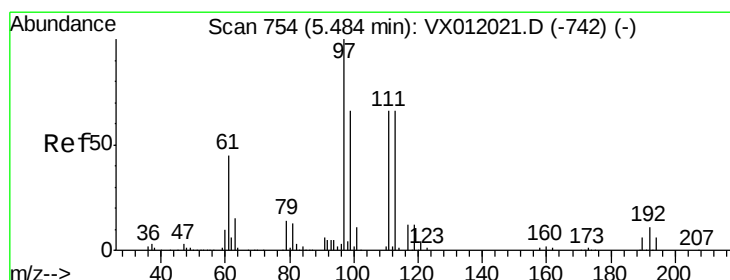
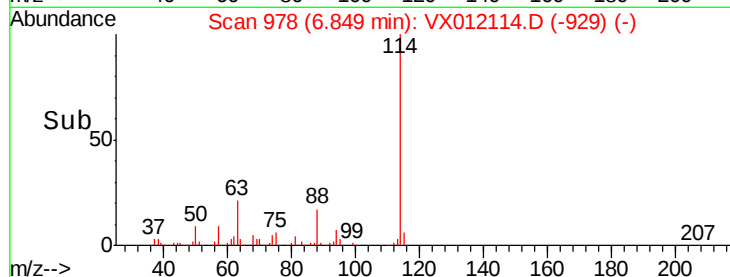
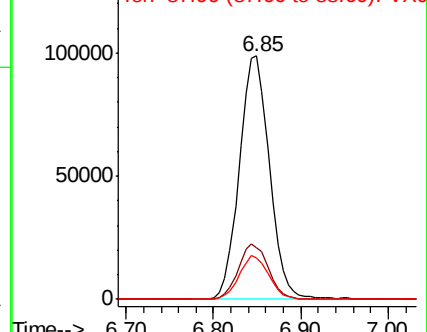
88 17.0 0.0 29.6



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: 49.084 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012114.D

Acq: 05 Sep 2019 21:22

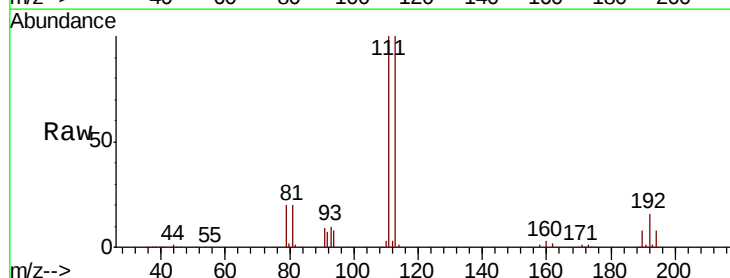
Tgt Ion:113 Resp: 71449

Ion Ratio Lower Upper

113 100

111 104.6 81.7 122.5

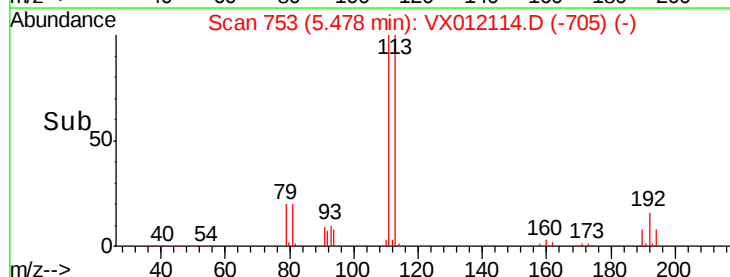
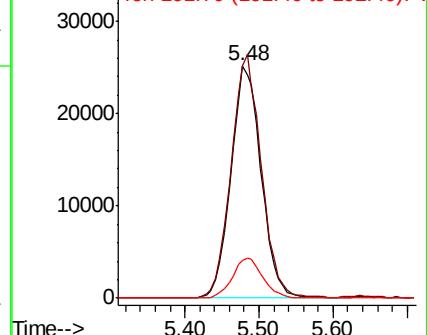
192 17.3 22.5 33.7#

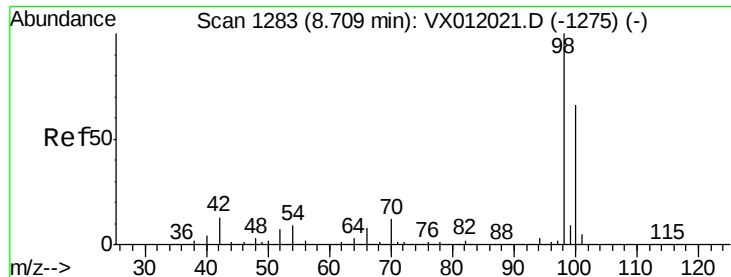


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

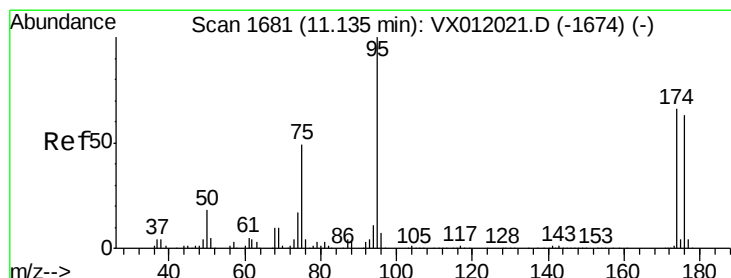
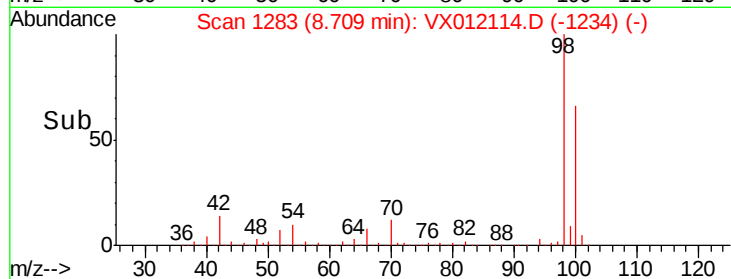
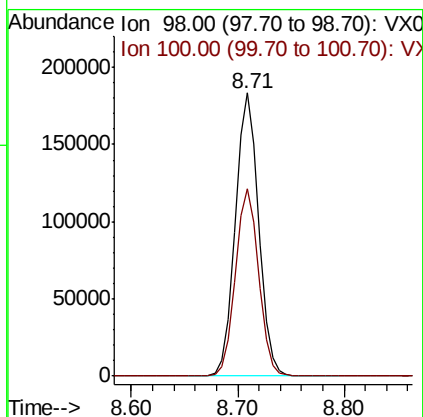
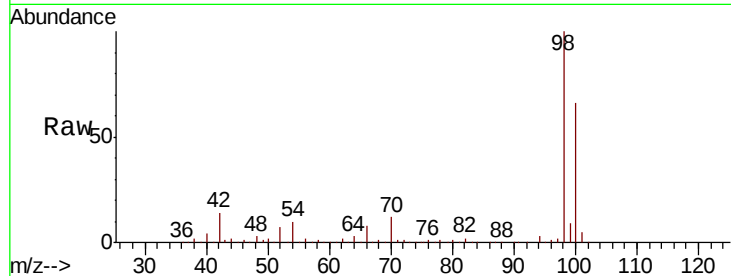




#50  
Toluene-d8  
Concen: 52.966 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012114.D  
Acq: 05 Sep 2019 21:22

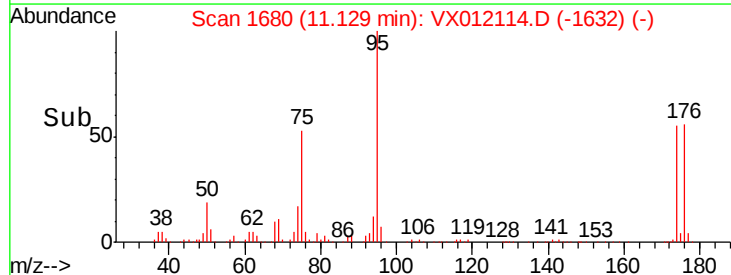
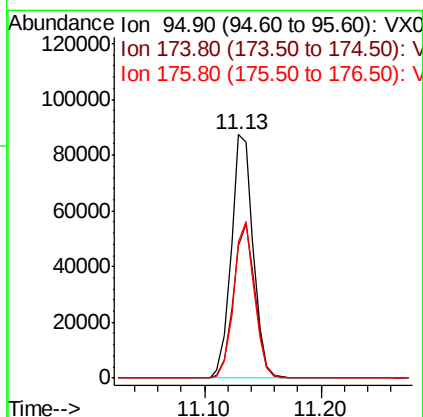
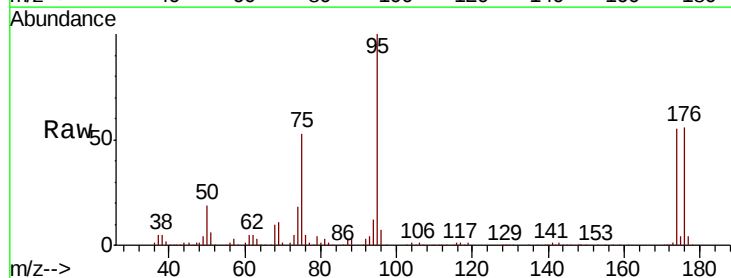
Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-4-26-28

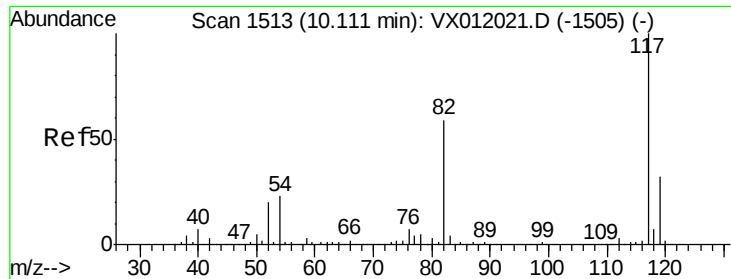
Tot Ion: 98 Resp: 282919  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 46.012 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: VX012114.D  
Acq: 05 Sep 2019 21:22

Tgt Ion: 95 Resp: 114300  
Ion Ratio Lower Upper  
95 100  
174 62.7 0.0 205.4  
176 61.2 0.0 201.8

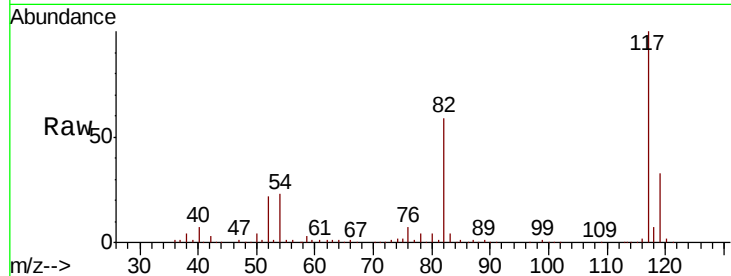




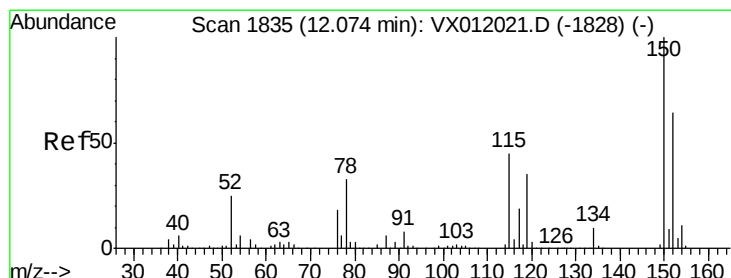
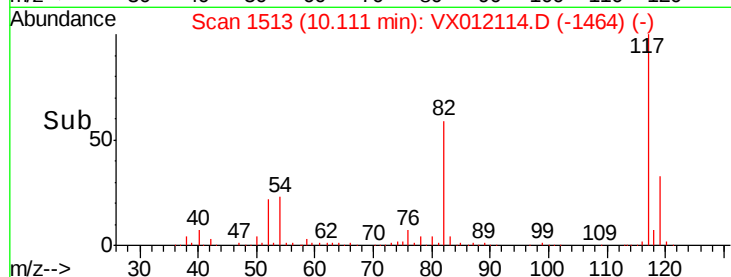
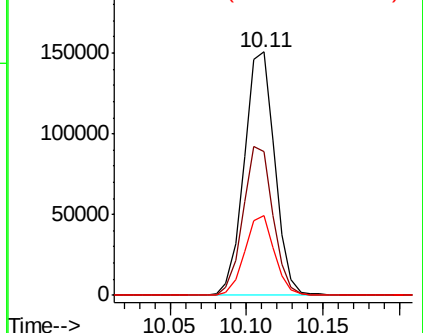
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX012114.D  
Acq: 05 Sep 2019 21:22

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-4-26-28

Tot Ion:117 Resp: 209021  
Ion Ratio Lower Upper  
117 100  
82 58.8 39.4 59.0  
119 32.7 26.1 39.1

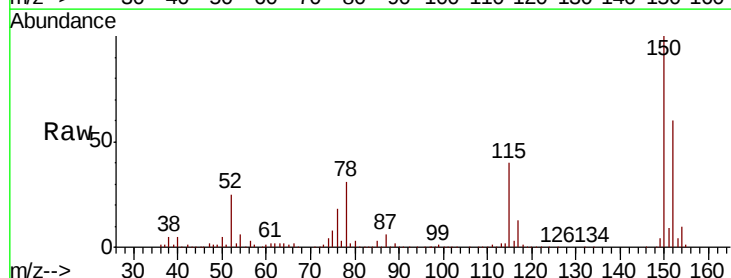


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

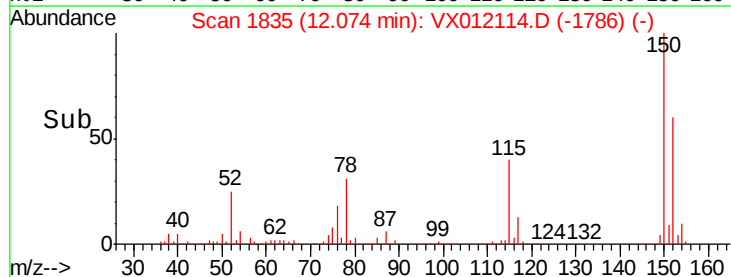
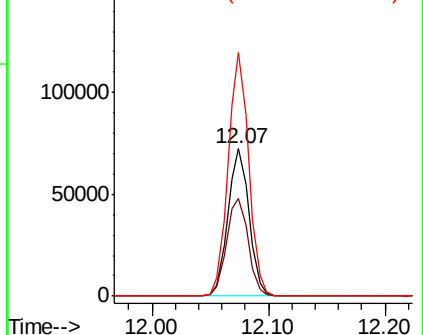


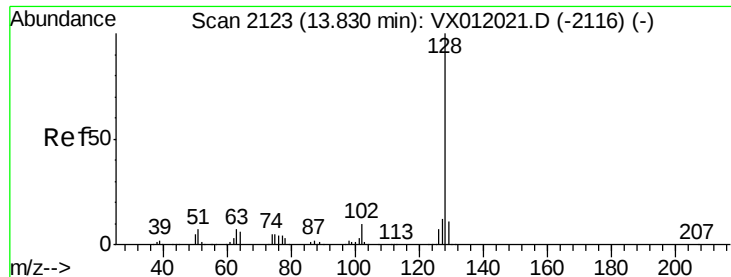
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX012114.D  
Acq: 05 Sep 2019 21:22

Tgt Ion:152 Resp: 91141  
Ion Ratio Lower Upper  
152 100  
115 67.6 36.4 109.3  
150 160.7 0.0 341.2



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

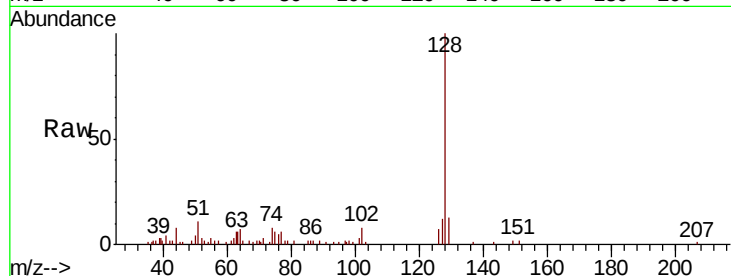




#95  
Naphthalene  
Concen: 1.667 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. -0.00 min  
Lab File: VX012114.D  
Acq: 05 Sep 2019 21:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-4-26-28

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.1  | 10.5  | 15.7  |
| 129     | 13.0  | 8.8   | 13.2  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

