

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092419\  
 Data File : VX012625.D  
 Acq On : 24 Sep 2019 12:13  
 Operator : JC/SP  
 Sample : K4930-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-190916

Quant Time: Sep 25 05:20:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

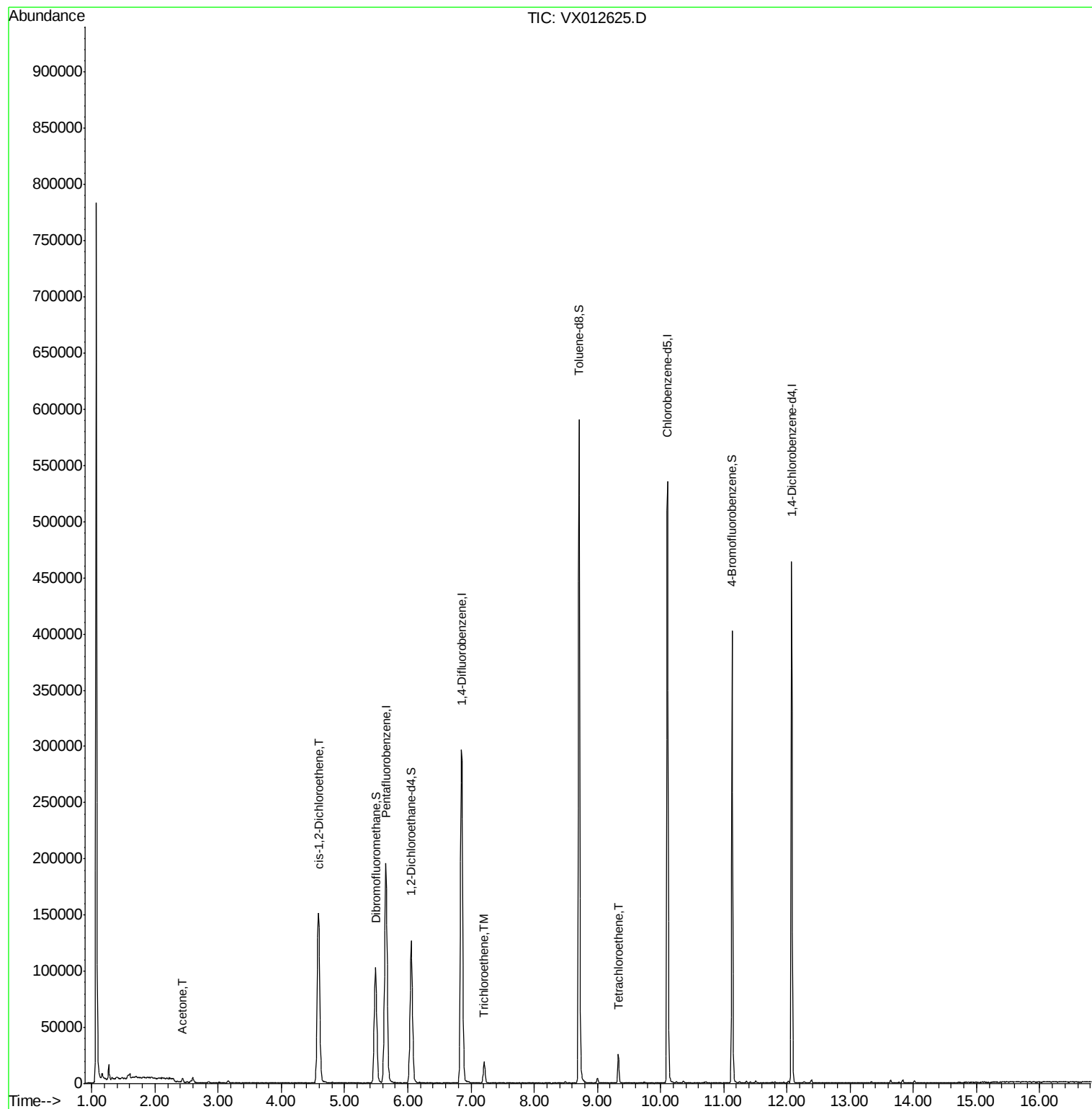
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 172202   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 292309   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 238947   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 87273    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 122266   | 48.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.52%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 88189    | 50.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.32% |          |
| 50) Toluene-d8              | 8.71  | 98   | 343017   | 51.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.34% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 113393   | 43.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.04%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.44  | 43   | 4128     | 3.108  | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene  | 4.58  | 96   | 95565    | 40.153 | ug/l    | 86       |
| 44) Trichloroethene         | 7.21  | 130  | 7322     | 3.455  | ug/l    | 97       |
| 64) Tetrachloroethene       | 9.33  | 164  | 4844     | 2.908  | ug/l    | 92       |

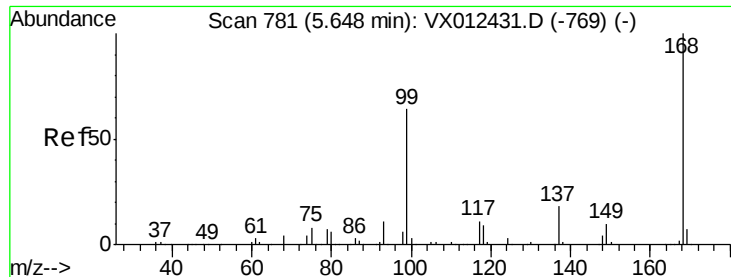
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092419\  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-190916

Quant Time: Sep 25 05:20:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012625.D

Acq: 24 Sep 2019 12:13

Instrument :

MSVOA\_X

ClientSampleId :

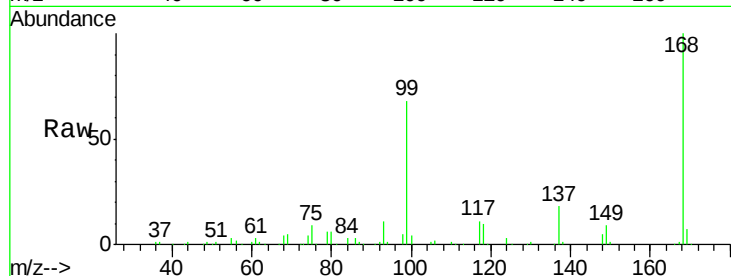
KY038PS027-190916

Tot Ion:168 Resp: 172202

Ion Ratio Lower Upper

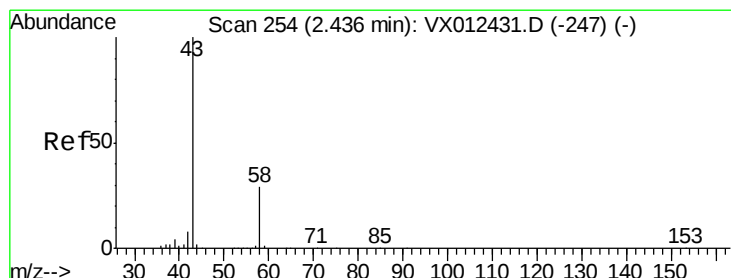
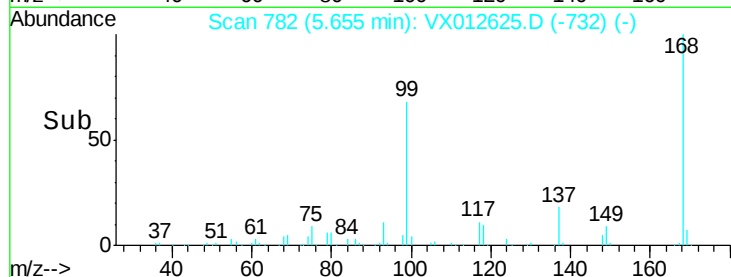
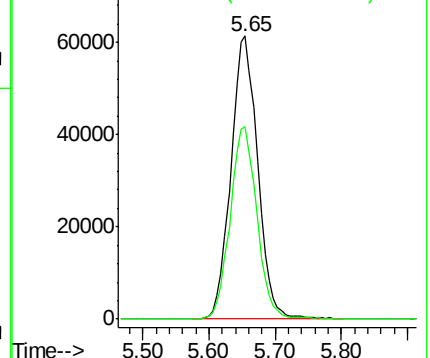
168 100

99 68.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.108 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012625.D

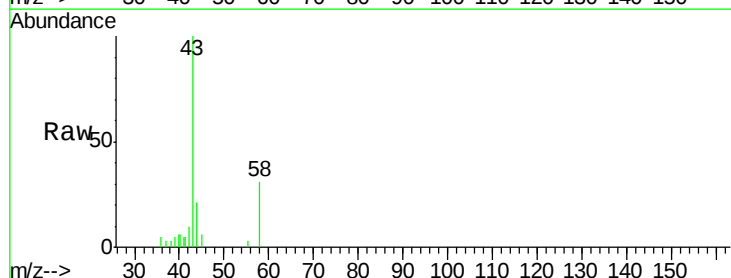
Acq: 24 Sep 2019 12:13

Tgt Ion: 43 Resp: 4128

Ion Ratio Lower Upper

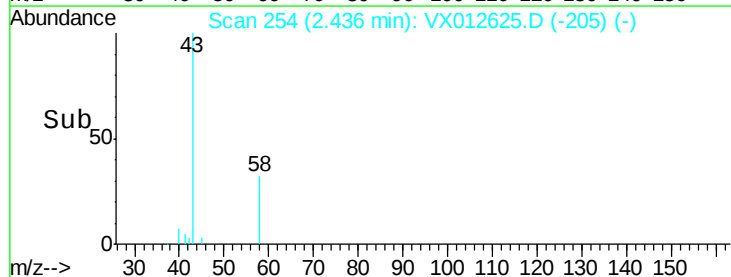
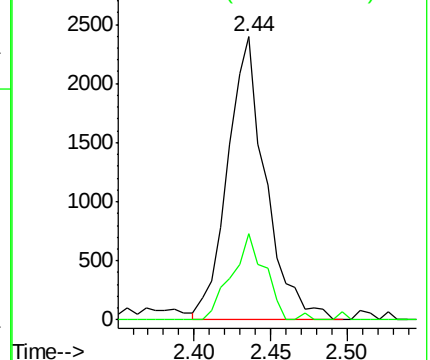
43 100

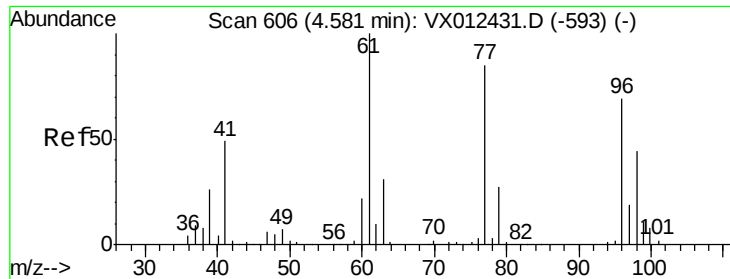
58 30.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



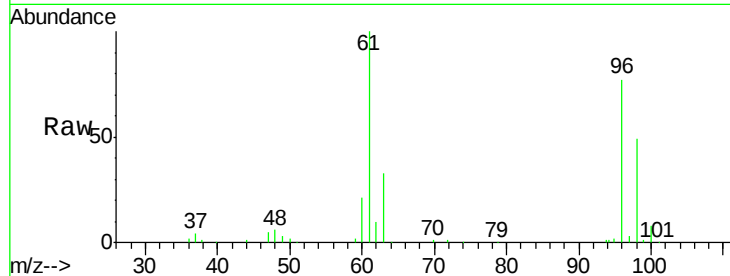


#27

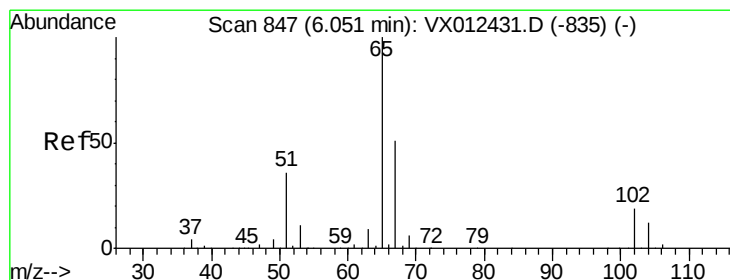
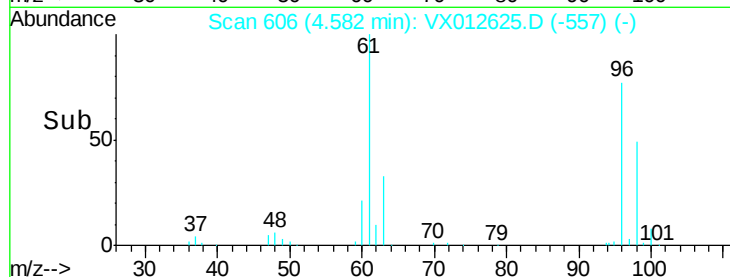
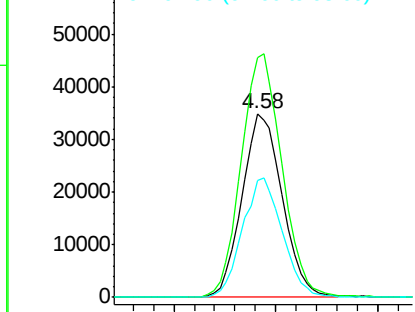
cis-1,2-Dichloroethene  
 Concen: 40.153 ug/l  
 RT: 4.58 min Scan# 606  
 Delta R.T. 0.00 min  
 Lab File: VX012625.D  
 Acq: 24 Sep 2019 12:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-190916

Tot Ion: 96 Resp: 95565  
 Ion Ratio Lower Upper  
 96 100  
 61 134.8 0.0 319.4  
 98 64.9 0.0 130.6



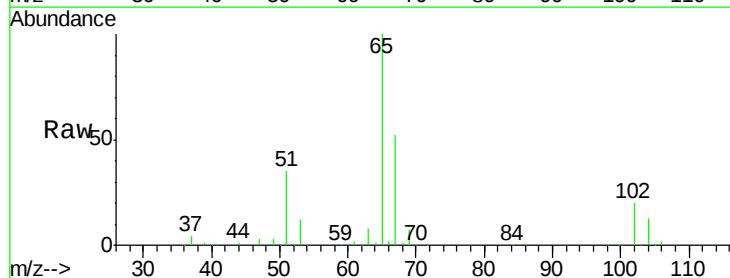
Abundance Ion 95.90 (95.60 to 96.60): VX0  
 Ion 60.90 (60.60 to 61.60): VX0  
 Ion 97.90 (97.60 to 98.60): VX0



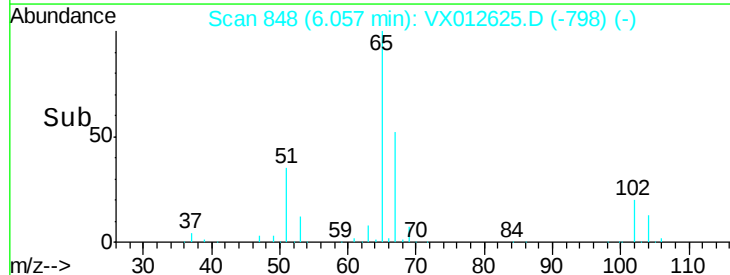
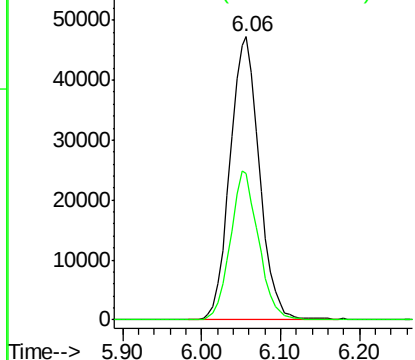
#33

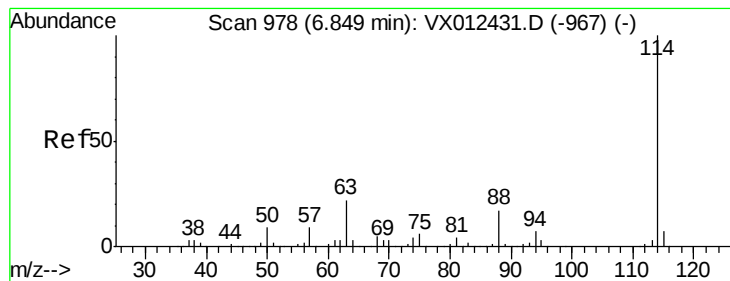
1,2-Dichloroethane-d4  
 Concen: 48.758 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: VX012625.D  
 Acq: 24 Sep 2019 12:13

Tgt Ion: 65 Resp: 122266  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012625.D

Acq: 24 Sep 2019 12:13

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS027-190916

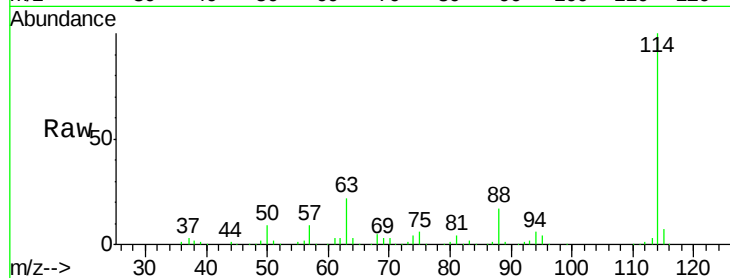
Tot Ion:114 Resp: 292309

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

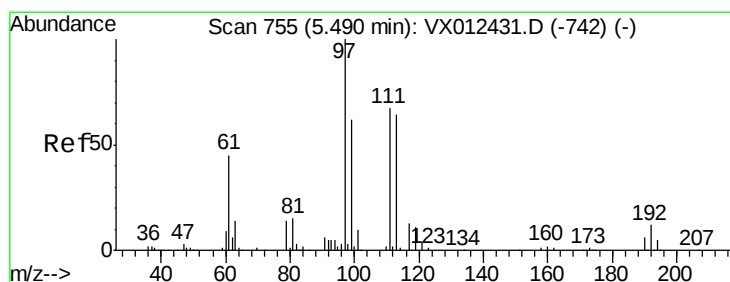
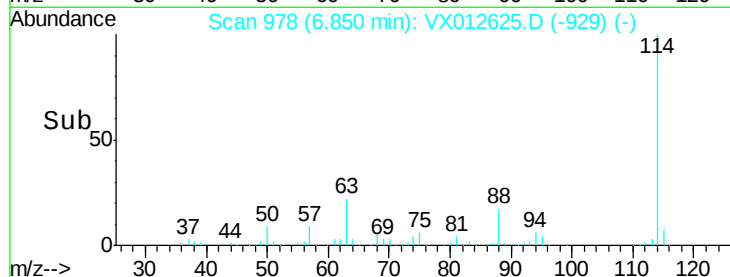
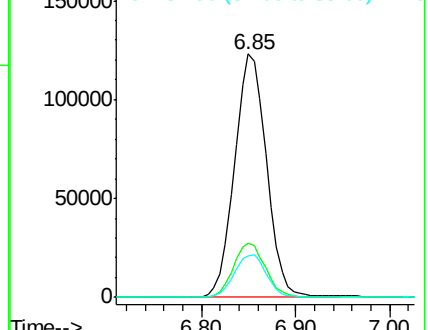
88 17.1 0.0 33.2



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: 50.659 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012625.D

Acq: 24 Sep 2019 12:13

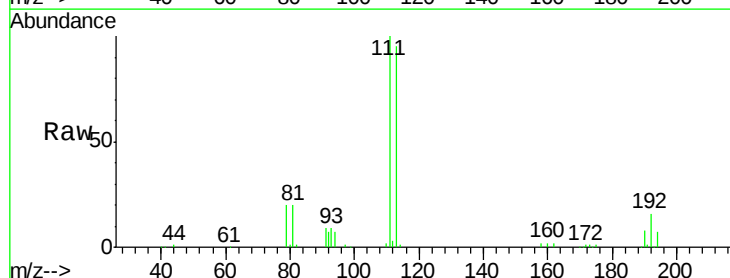
Tgt Ion:113 Resp: 88189

Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

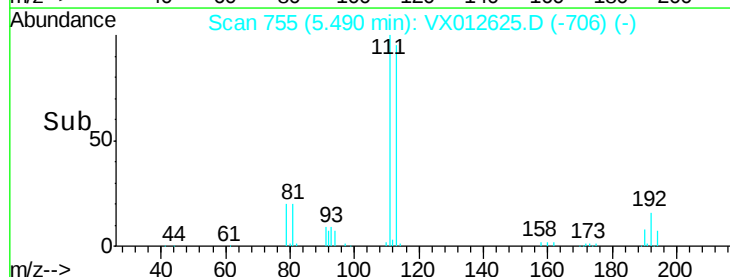
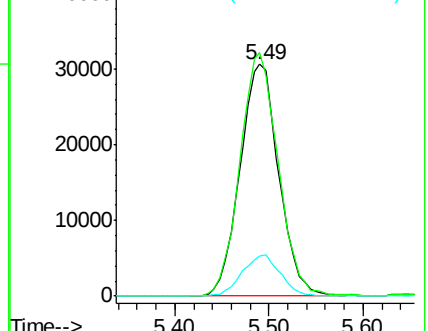
192 17.5 14.4 21.6

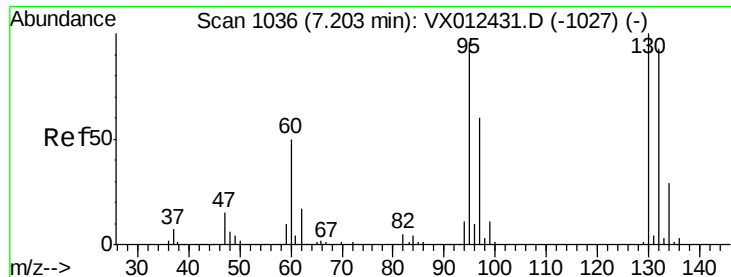


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 3.455 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012625.D

Acq: 24 Sep 2019 12:13

Instrument :

MSVOA\_X

ClientSampleId :

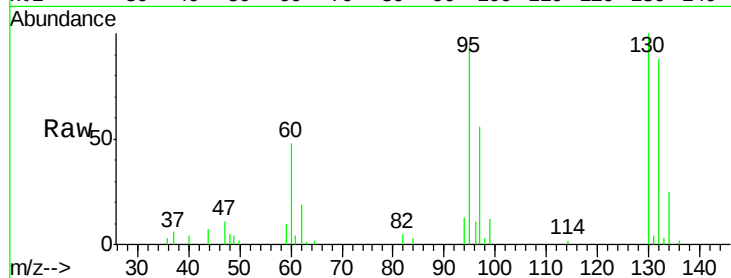
KY038PS027-190916

Tot Ion:130 Resp: 7322

Ion Ratio Lower Upper

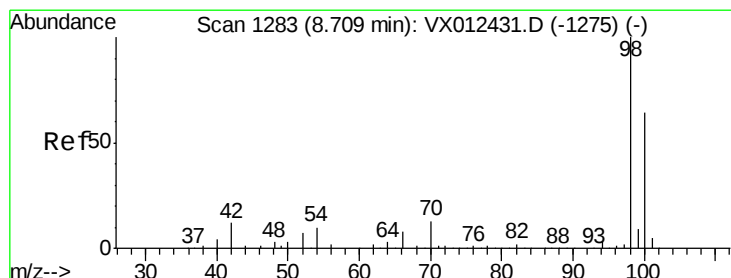
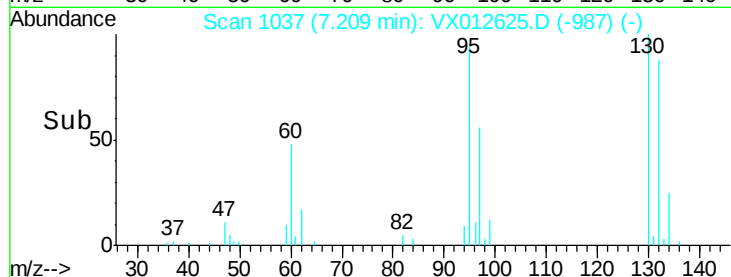
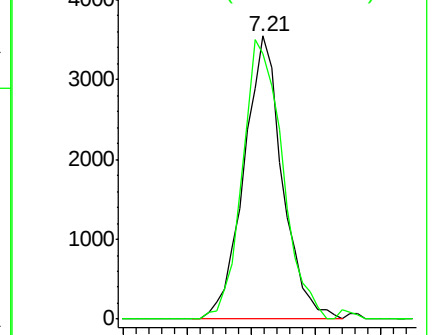
130 100

95 93.8 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.166 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012625.D

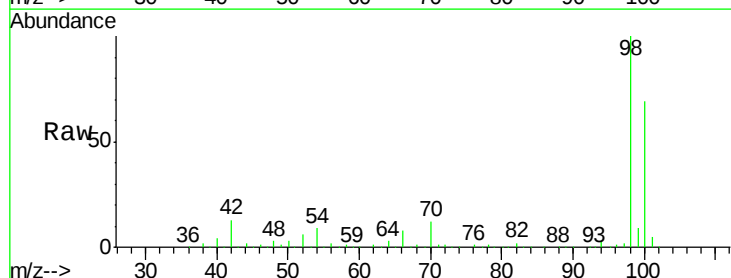
Acq: 24 Sep 2019 12:13

Tgt Ion: 98 Resp: 343017

Ion Ratio Lower Upper

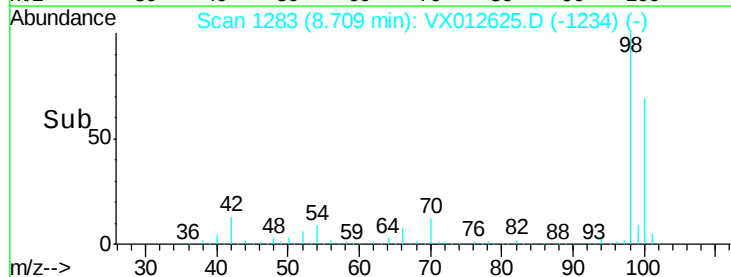
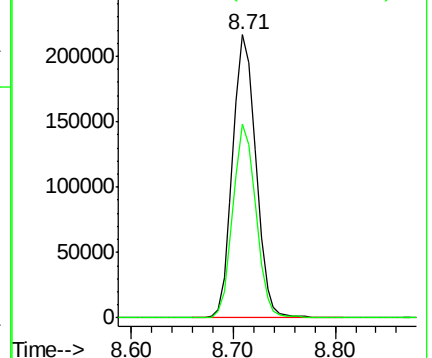
98 100

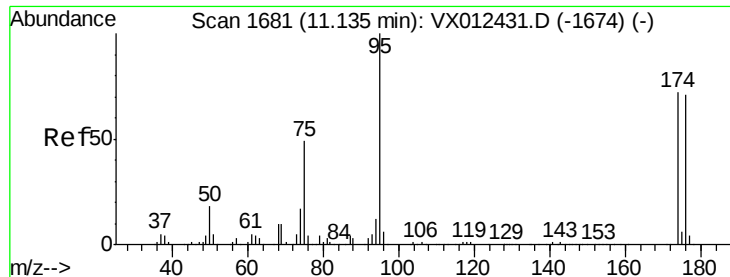
100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

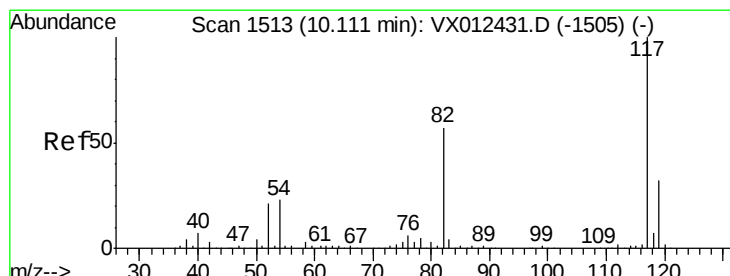
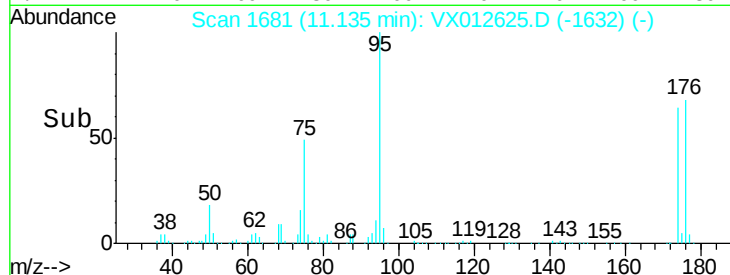
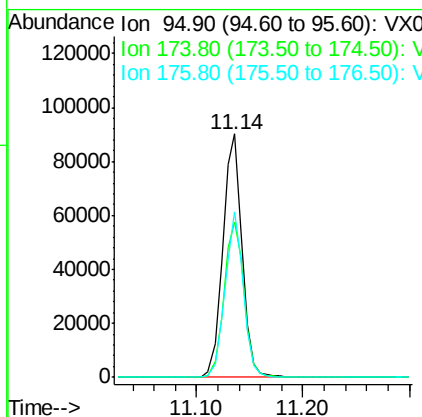
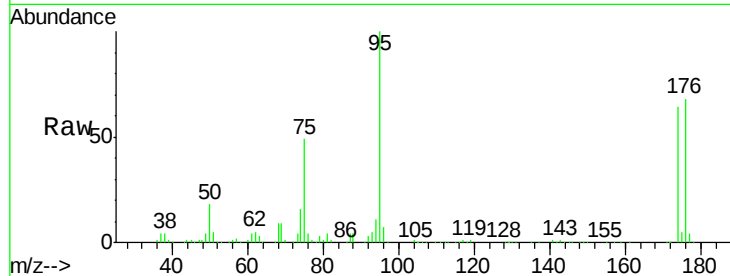




#62  
4-Bromofluorobenzene  
Concen: 43.016 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012625.D  
Acq: 24 Sep 2019 12:13

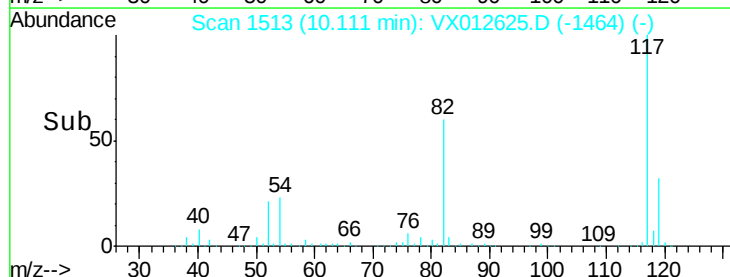
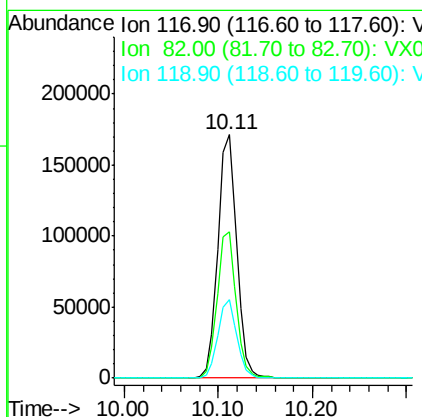
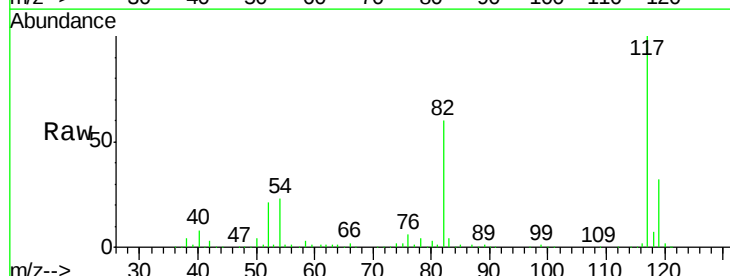
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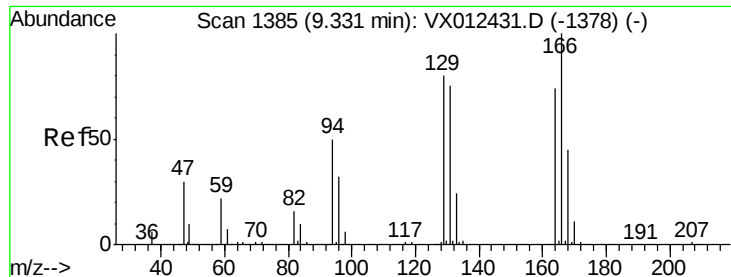
Tot Ion: 95 Resp: 113393  
Ion Ratio Lower Upper  
95 100  
174 66.4 0.0 140.0  
176 64.9 0.0 135.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012625.D  
Acq: 24 Sep 2019 12:13

Tgt Ion: 117 Resp: 238947  
Ion Ratio Lower Upper  
117 100  
82 60.4 45.9 68.9  
119 32.1 25.3 37.9

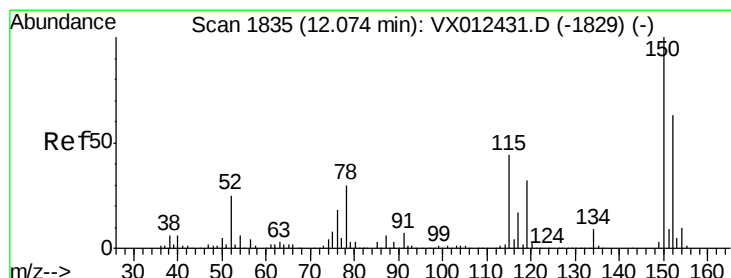
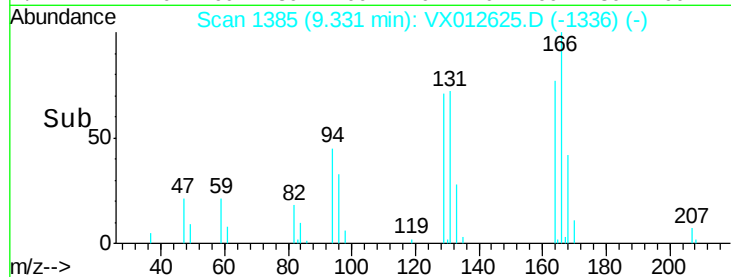
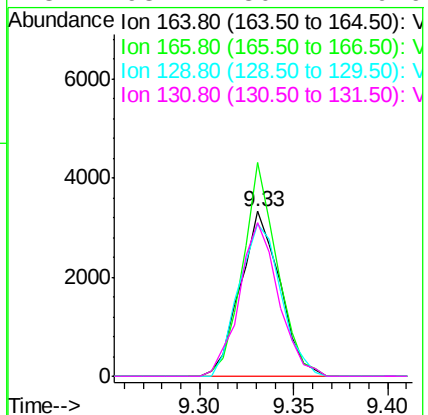
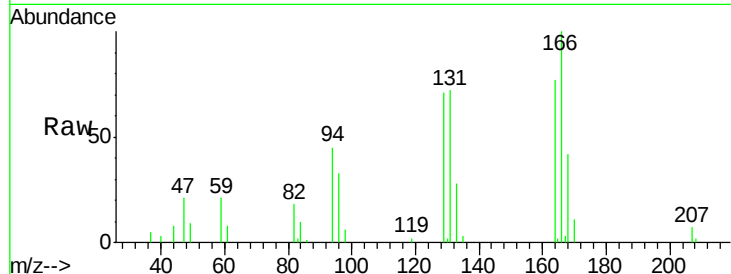




#64  
Tetrachloroethene  
Concen: 2.908 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012625.D  
Acq: 24 Sep 2019 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-190916

Tot Ion:164 Resp: 4844  
Ion Ratio Lower Upper  
164 100  
166 129.4 107.8 161.6  
129 92.5 86.2 129.2  
131 93.1 80.4 120.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX012625.D  
Acq: 24 Sep 2019 12:13

Tgt Ion:152 Resp: 87273  
Ion Ratio Lower Upper  
152 100  
115 64.6 44.1 132.3  
150 155.7 0.0 343.8

