

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121119\  
 Data File : VX013941.D  
 Acq On : 11 Dec 2019 13:58  
 Operator : JC/SP  
 Sample : K6184-06DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D4-20191202DL

Quant Time: Dec 12 06:00:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

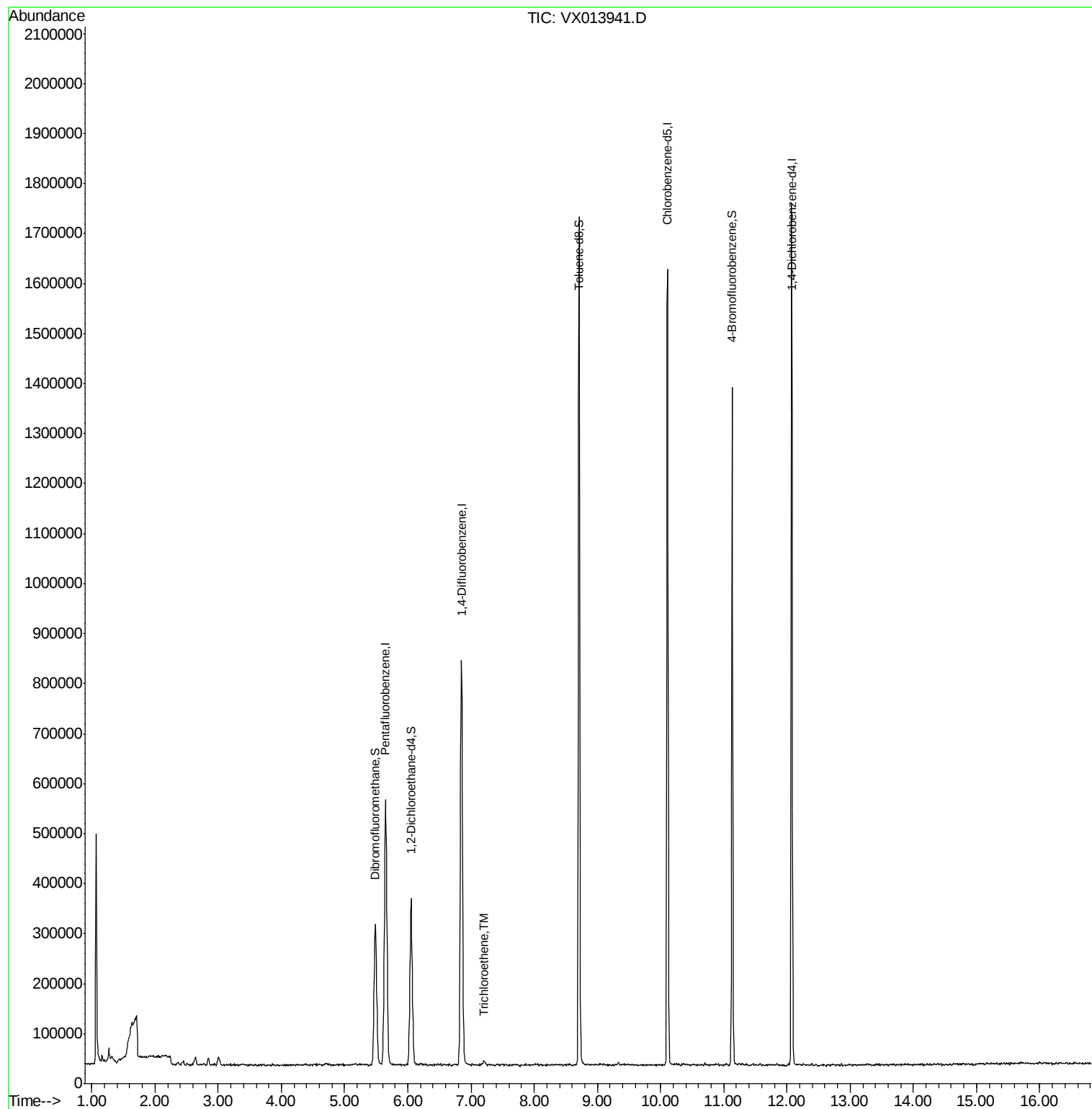
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 544904   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 838176   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 754663   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 354325   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 304818   | 48.19 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.38% |           |
| 35) Dibromofluoromethane    | 5.48  | 113  | 246489   | 47.57 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14% |           |
| 50) Toluene-d8              | 8.71  | 98   | 998458   | 49.46 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.92% |           |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 352632   | 48.44 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.88% |           |
| Target Compounds            |       |      |          |       |        |           |
| 44) Trichloroethene         | 7.20  | 130  | 4821     | 0.758 | ug/l   | Qvalue 73 |

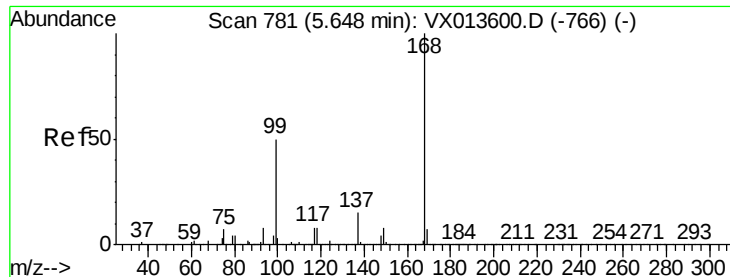
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

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Acq: 11 Dec 2019 13:58

Instrument :

MSVOA\_X

ClientSampleId :

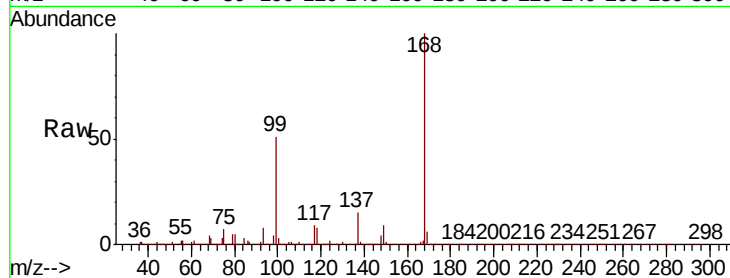
RE134D4-20191202DL

Tot Ion:168 Resp: 544904

Ion Ratio Lower Upper

168 100

99 51.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

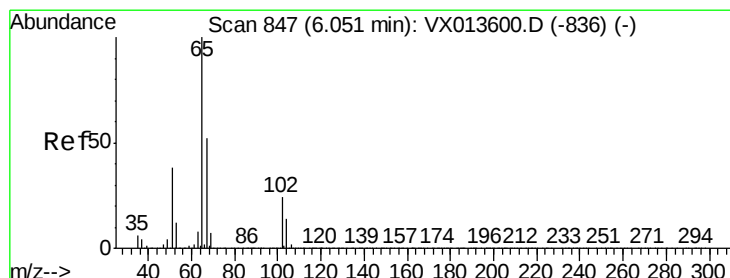
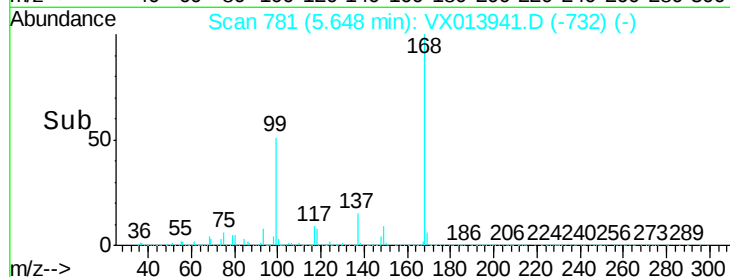
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.192 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013941.D

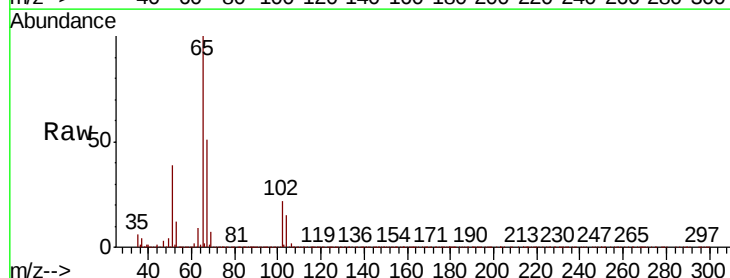
Acq: 11 Dec 2019 13:58

Tgt Ion: 65 Resp: 304818

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

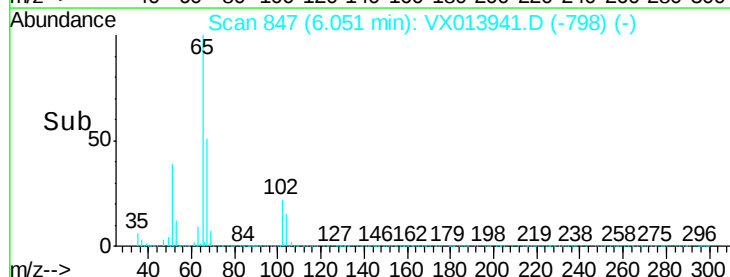
100000

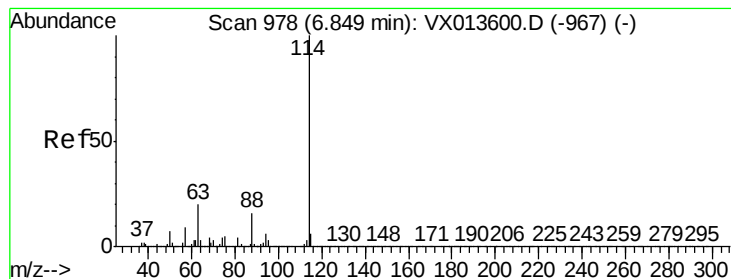
50000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013941.D

Acq: 11 Dec 2019 13:58

Instrument :

MSVOA\_X

ClientSampleId :

RE134D4-20191202DL

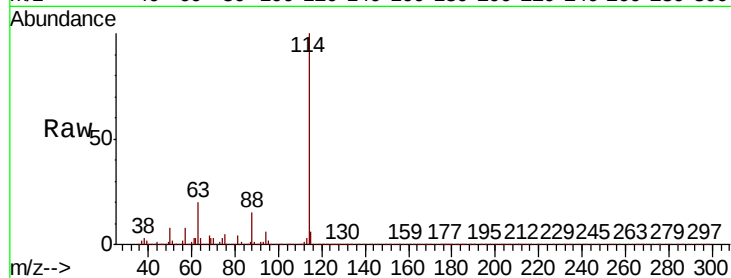
Tot Ion:114 Resp: 838176

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

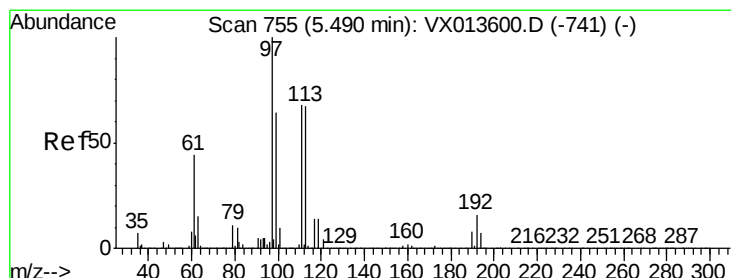
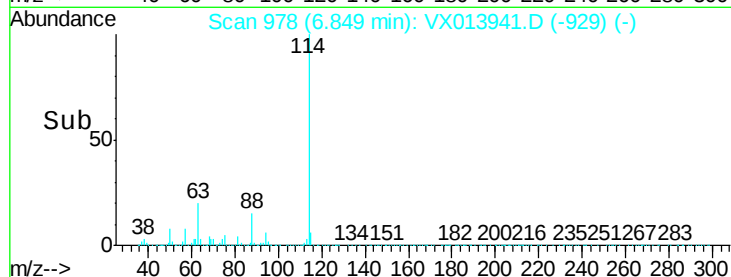
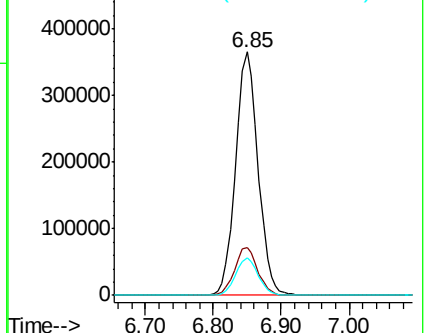
88 15.1 0.0 31.4



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: 47.569 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013941.D

Acq: 11 Dec 2019 13:58

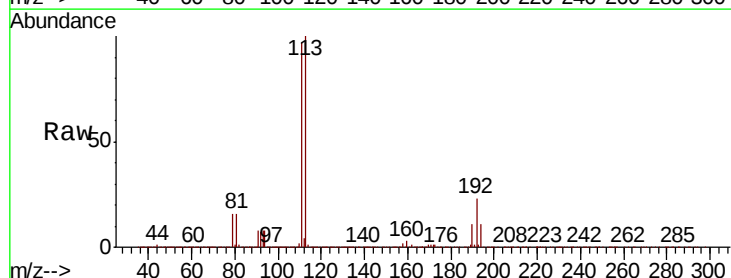
Tgt Ion:113 Resp: 246489

Ion Ratio Lower Upper

113 100

111 100.6 83.6 125.4

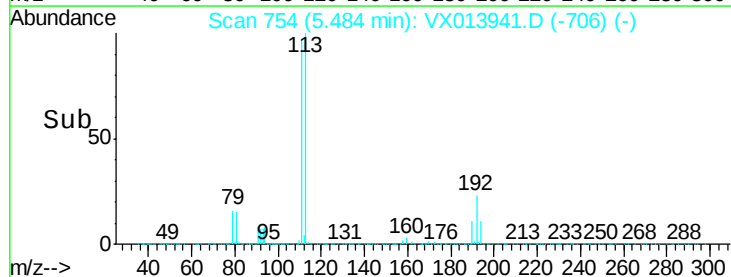
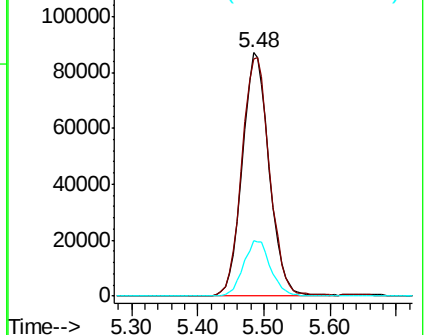
192 22.6 19.2 28.8

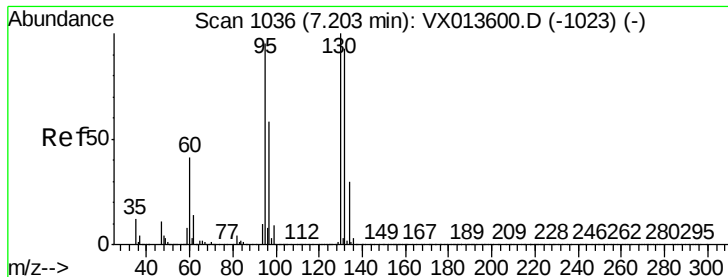


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.758 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013941.D

Acq: 11 Dec 2019 13:58

Instrument :

MSVOA\_X

ClientSampleId :

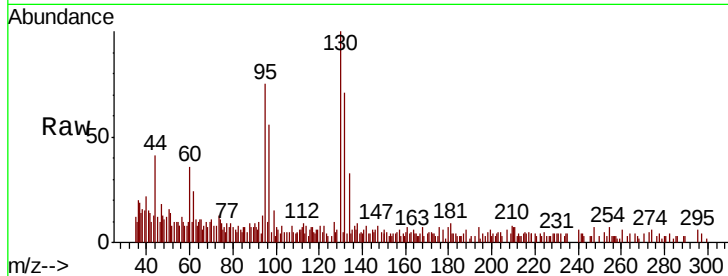
RE134D4-20191202DL

Tot Ion:130 Resp: 4821

Ion Ratio Lower Upper

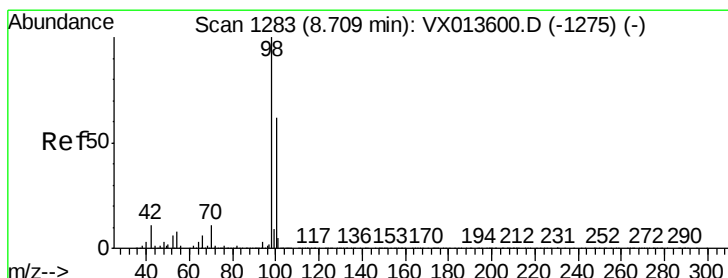
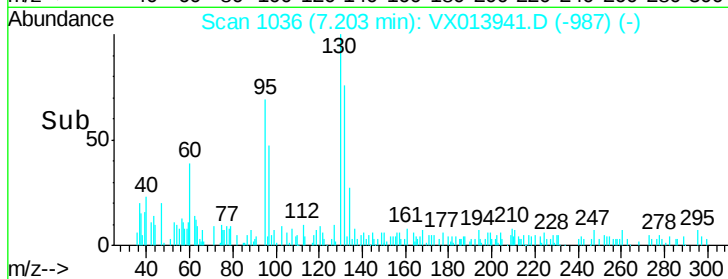
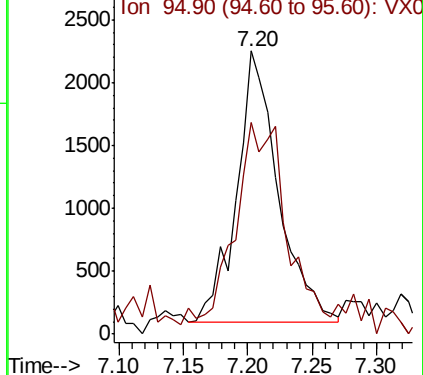
130 100

95 68.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.457 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013941.D

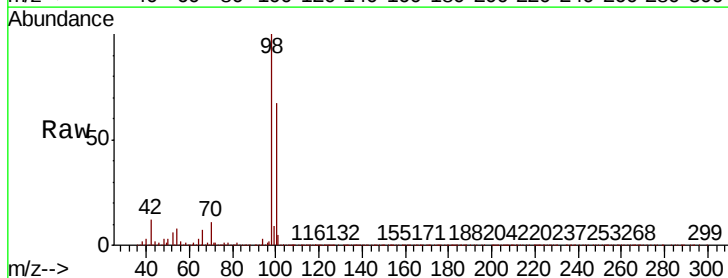
Acq: 11 Dec 2019 13:58

Tgt Ion: 98 Resp: 998458

Ion Ratio Lower Upper

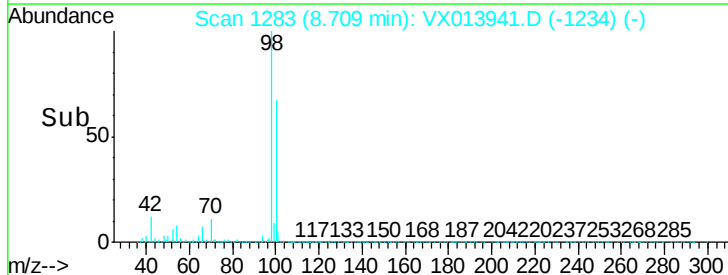
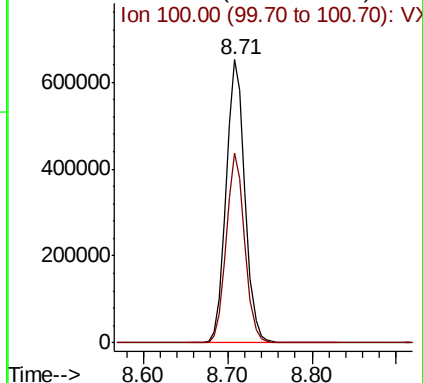
98 100

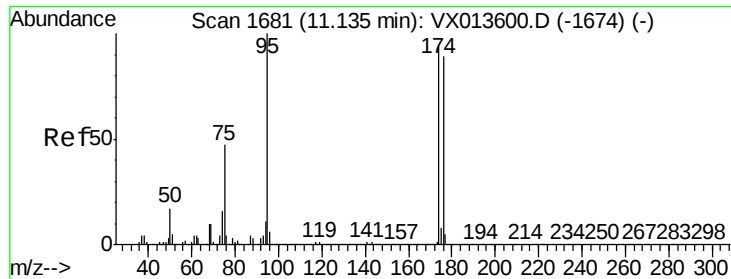
100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

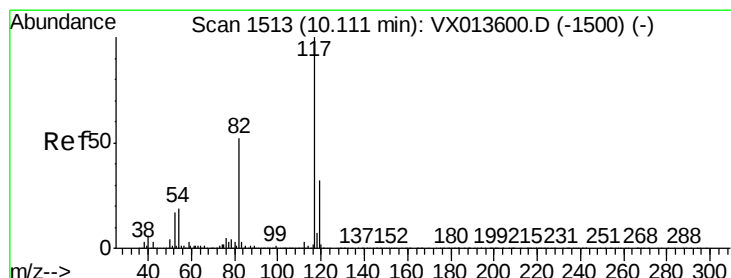
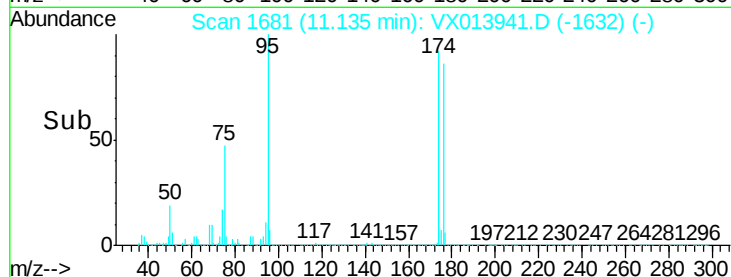
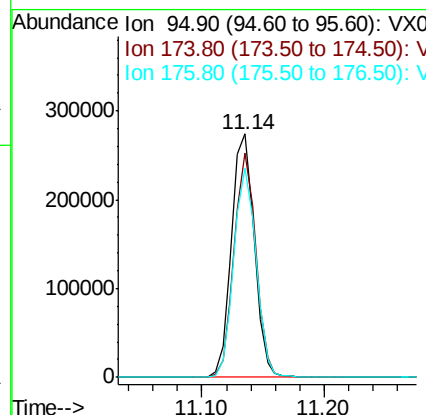
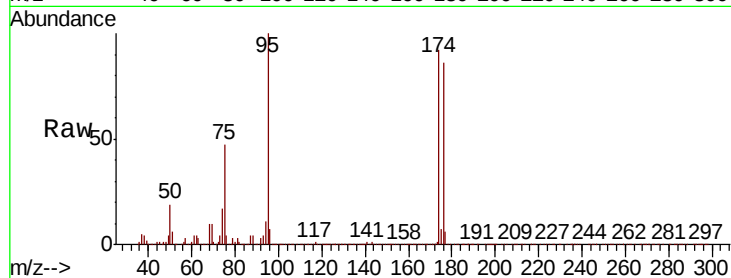




#62  
4-Bromofluorobenzene  
Concen: 48.438 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX013941.D  
Acq: 11 Dec 2019 13:58

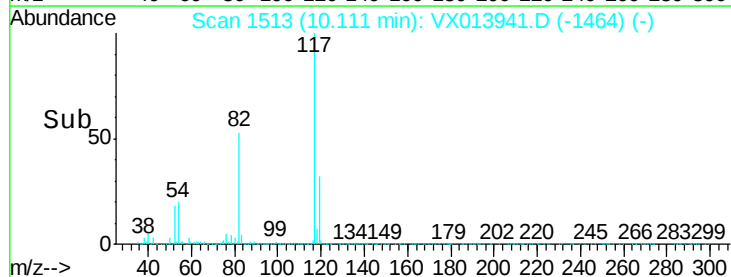
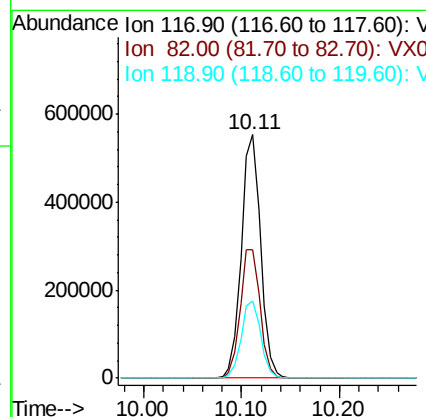
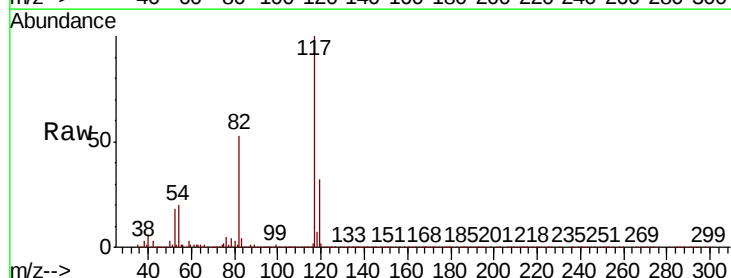
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D4-20191202DL

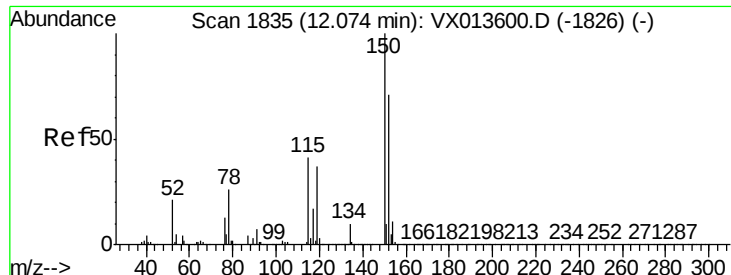
Tot Ion: 95 Resp: 352632  
Ion Ratio Lower Upper  
95 100  
174 88.5 0.0 180.0  
176 84.1 0.0 173.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013941.D  
Acq: 11 Dec 2019 13:58

Tgt Ion: 117 Resp: 754663  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.8 62.8  
119 31.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013941.D

Acq: 11 Dec 2019 13:58

Instrument :

MSVOA\_X

ClientSampleId :

RE134D4-20191202DL

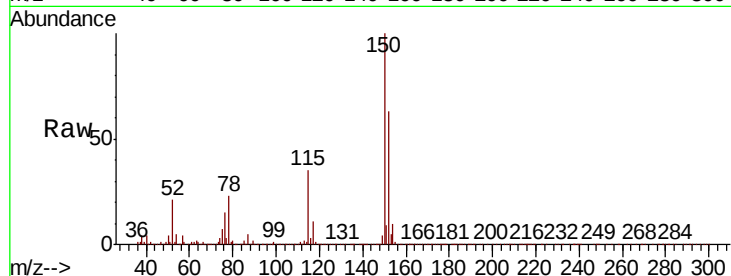
Tot Ion:152 Resp: 354325

Ion Ratio Lower Upper

152 100

115 56.0 38.4 115.1

150 159.1 0.0 346.8



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

