

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\  
 Data File : VN063590.D  
 Acq On : 23 Sep 2020 15:42  
 Operator : JC/MD  
 Sample : L4082-22DL 4X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RE125D3-20200916DL

Quant Time: Sep 24 03:33:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

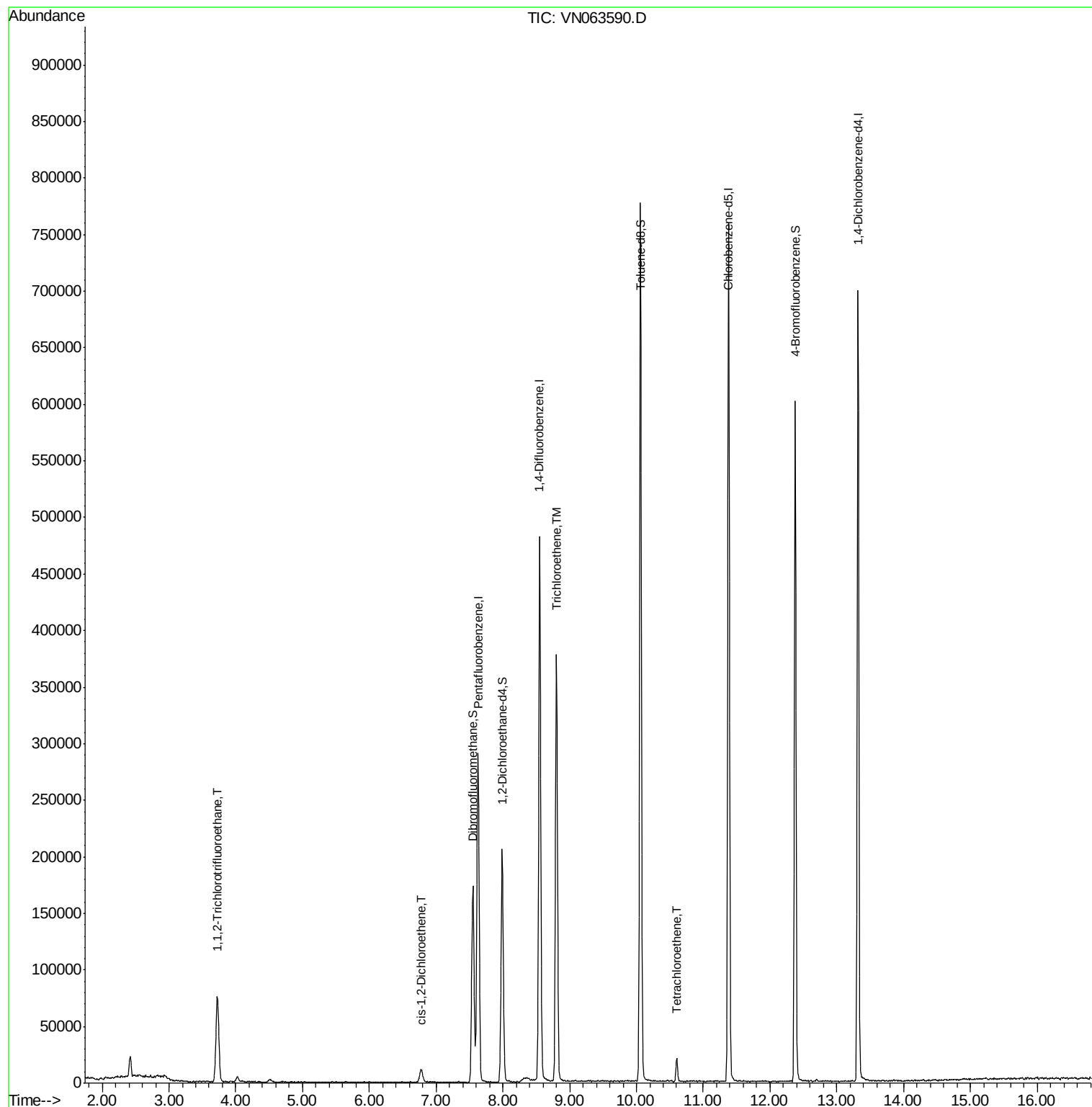
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 7.63  | 168  | 210883   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.55  | 114  | 398451   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.38 | 117  | 402867   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.32 | 152  | 169177   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 7.99  | 65   | 179248   | 49.93  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 99.86%  |          |
| 35) Dibromofluoromethane      | 7.55  | 113  | 130792   | 47.42  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 94.84%  |          |
| 50) Toluene-d8                | 10.06 | 98   | 515026   | 49.66  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 99.32%  |          |
| 62) 4-Bromofluorobenzene      | 12.38 | 95   | 197271   | 51.88  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 103.76% |          |
| Target Compounds              |       |      |          |        |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72  | 101  | 45600    | 19.408 | ug/l    | 96       |
| 27) cis-1,2-Dichloroethene    | 6.78  | 96   | 1588     | 0.532  | ug/l    | 74       |
| 44) Trichloroethene           | 8.80  | 130  | 125787   | 42.798 | ug/l    | 96       |
| 64) Tetrachloroethene         | 10.60 | 164  | 4065     | 1.482  | ug/l #  | 83       |

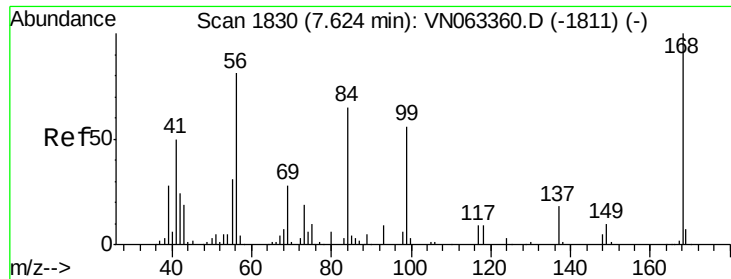
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092320\  
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QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

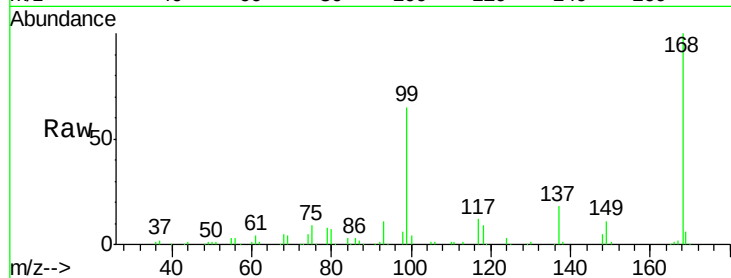
RE125D3-20200916DL

Tot Ion:168 Resp: 210883

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

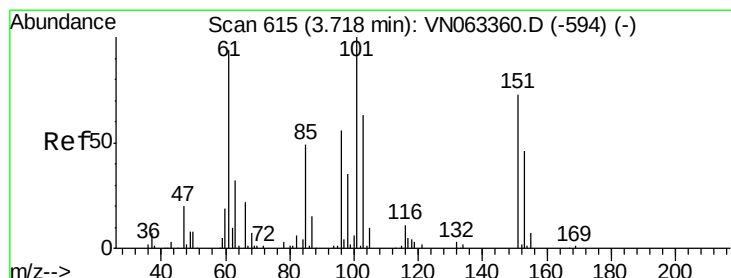
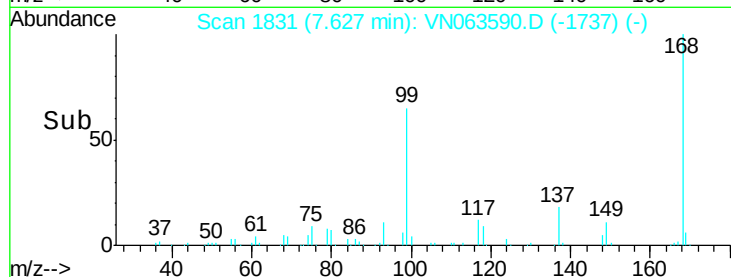
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.408 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

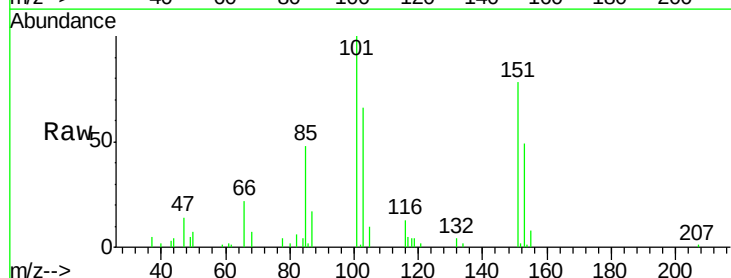
Tgt Ion:101 Resp: 45600

Ion Ratio Lower Upper

101 100

85 49.8 37.7 56.5

151 75.2 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

20000

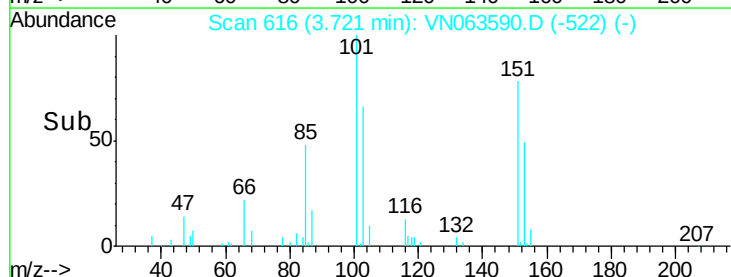
15000

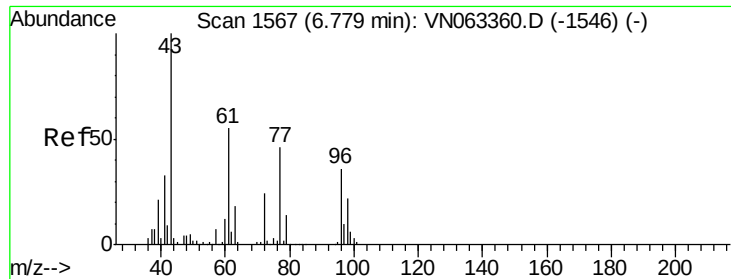
10000

5000

0

Time--> 3.60 3.70 3.80





#27

cis-1,2-Dichloroethene

Concen: 0.532 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

RE125D3-20200916DL

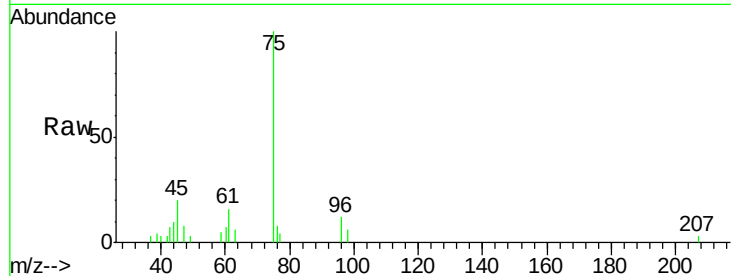
Tot Ion: 96 Resp: 1588

Ion Ratio Lower Upper

96 100

61 168.8 0.0 319.6

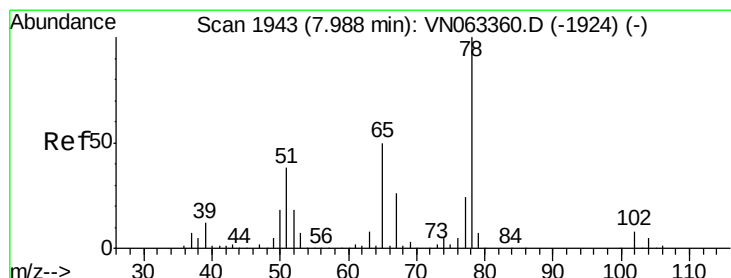
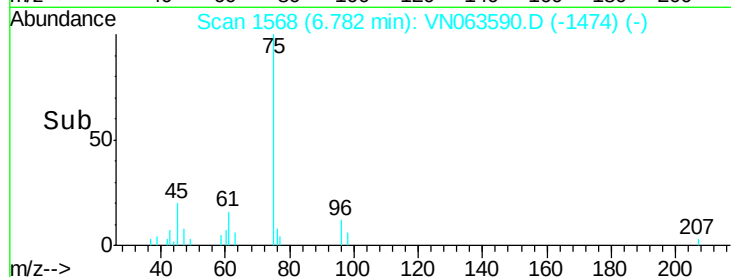
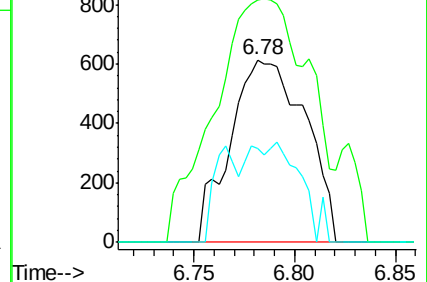
98 5.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.933 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063590.D

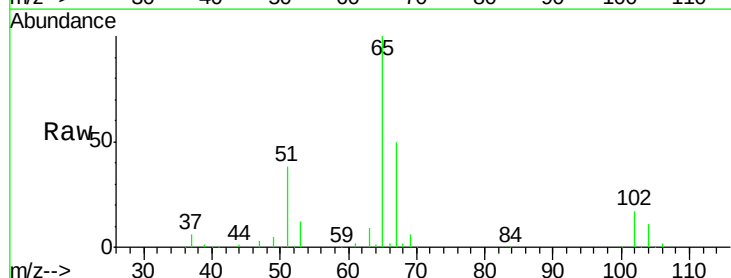
Acq: 23 Sep 2020 15:42

Tgt Ion: 65 Resp: 179248

Ion Ratio Lower Upper

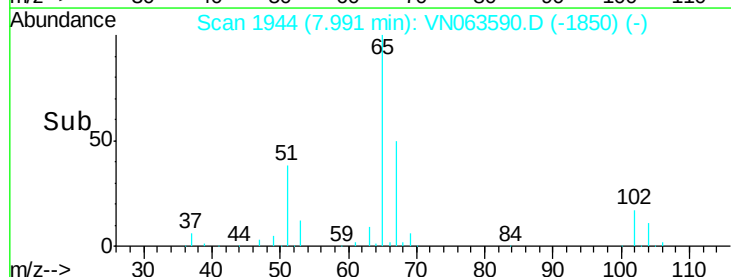
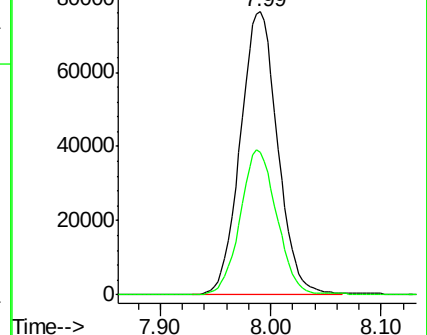
65 100

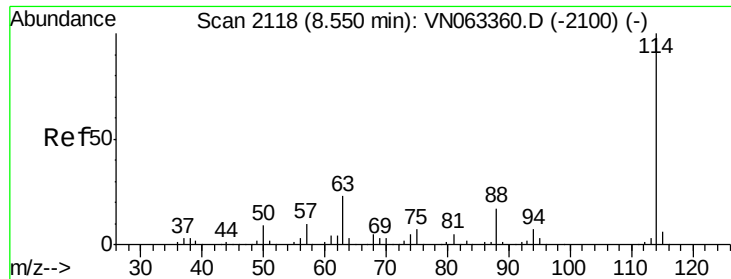
67 50.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

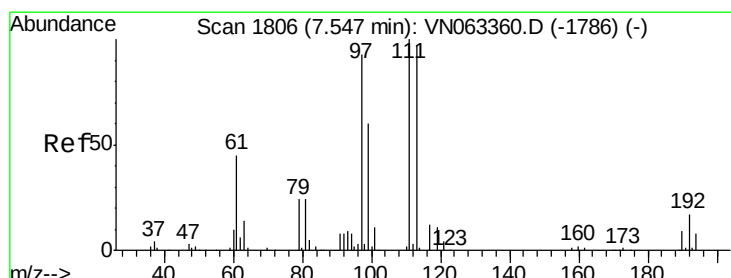
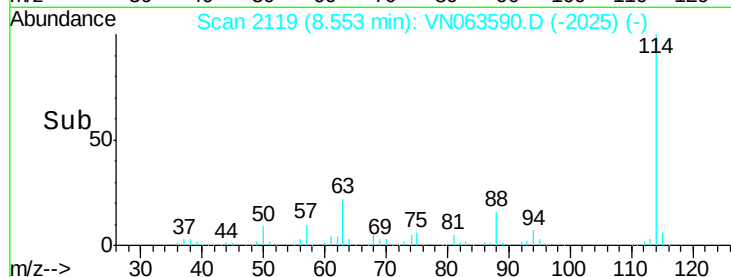
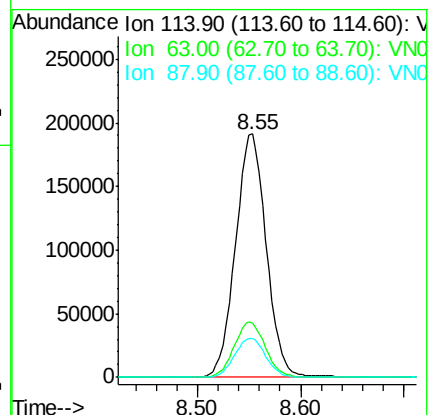
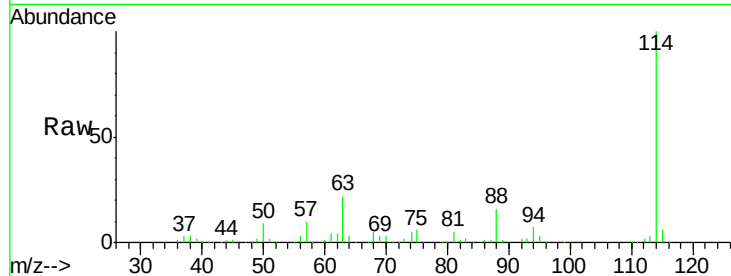




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.55 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN063590.D  
Acq: 23 Sep 2020 15:42

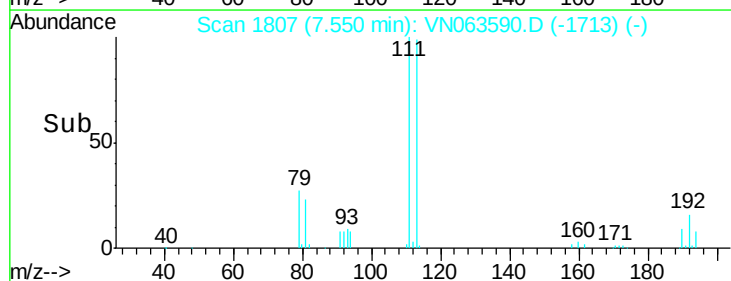
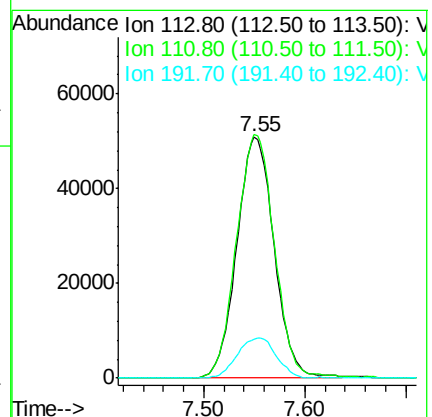
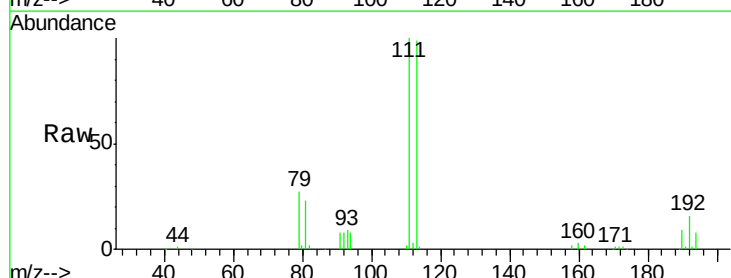
Instrument :  
MSVOA\_N  
ClientSampleId :  
RE125D3-20200916DL

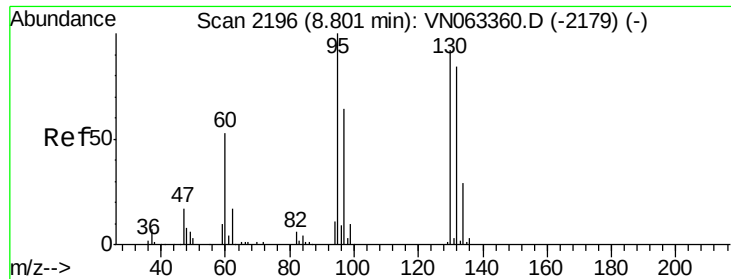
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.3  | 0.0   | 46.4  |
| 88      | 16.0  | 0.0   | 33.2  |



#35  
Dibromofluoromethane  
Concen: 47.416 ug/l  
RT: 7.55 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN063590.D  
Acq: 23 Sep 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.9  | 124.3 |
| 192     | 17.4  | 13.9  | 20.9  |





#44

Trichloroethene

Concen: 42.798 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

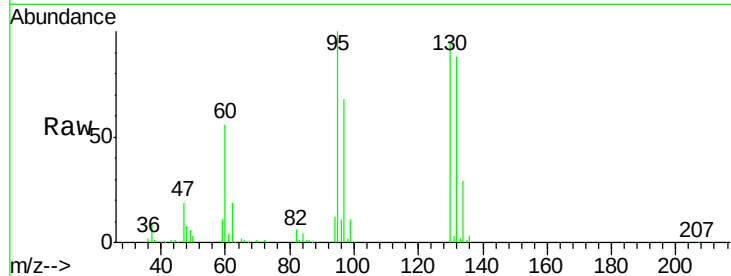
RE125D3-20200916DL

Tot Ion:130 Resp: 125787

Ion Ratio Lower Upper

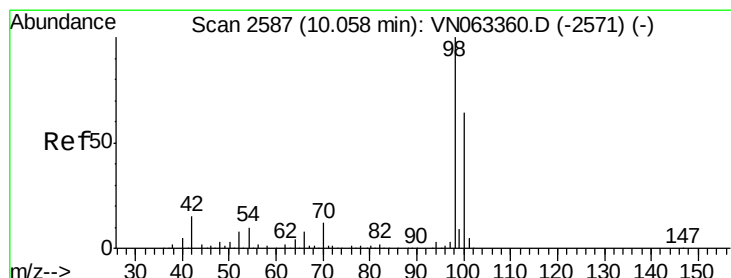
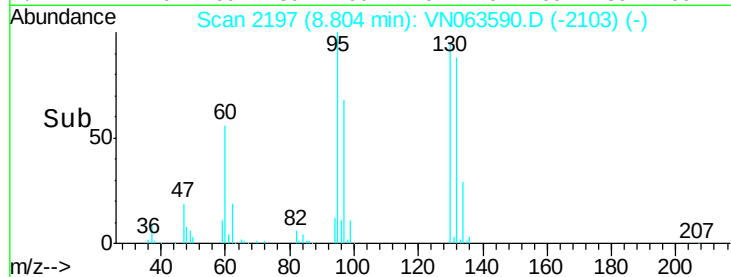
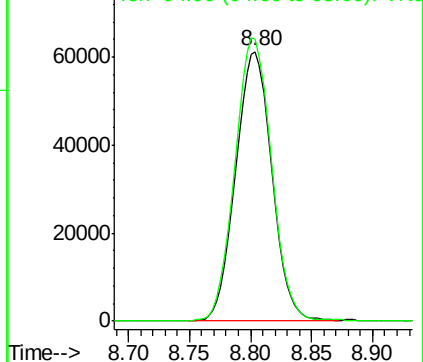
130 100

95 104.8 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.655 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063590.D

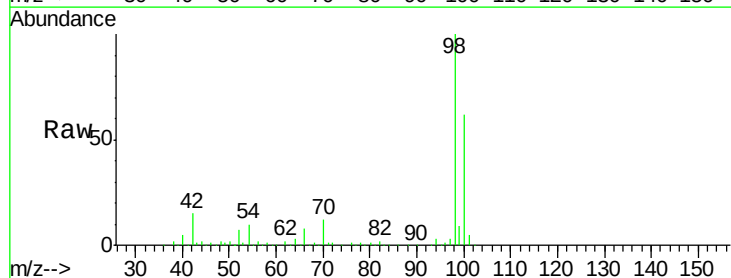
Acq: 23 Sep 2020 15:42

Tgt Ion: 98 Resp: 515026

Ion Ratio Lower Upper

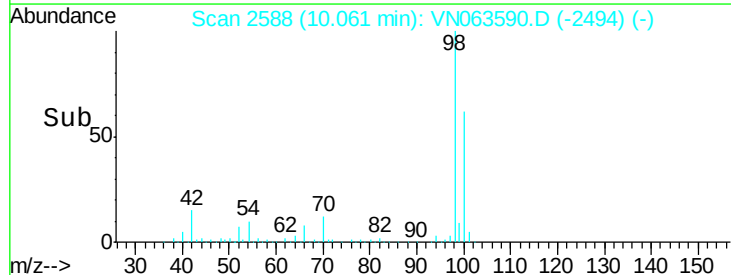
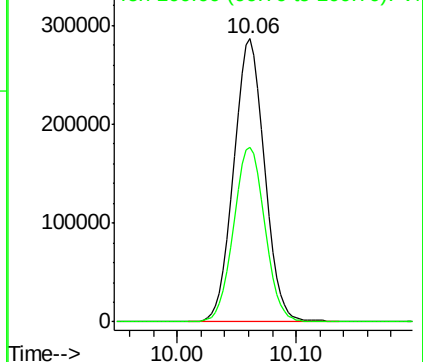
98 100

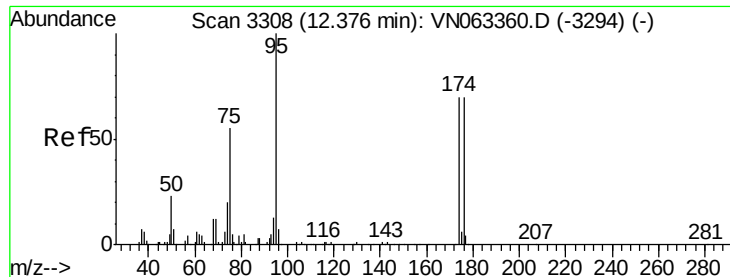
100 62.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 51.883 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

RE125D3-20200916DL

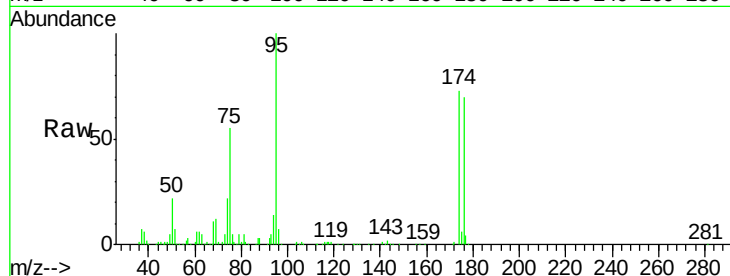
Tot Ion: 95 Resp: 197271

Ion Ratio Lower Upper

95 100

174 73.9 0.0 140.8

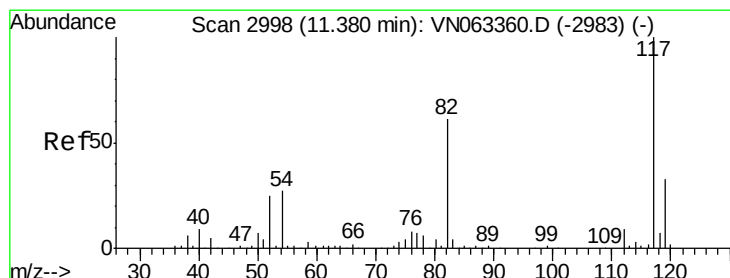
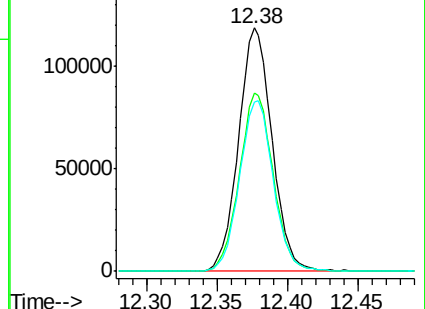
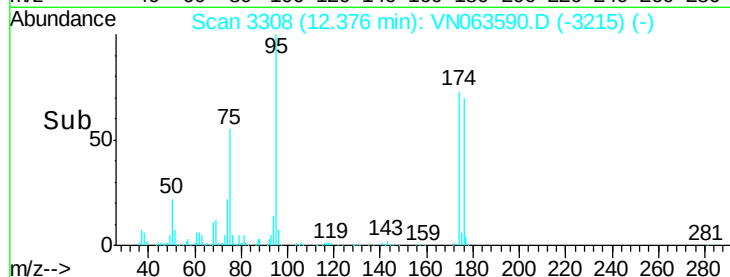
176 70.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063590.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063590.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063590.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

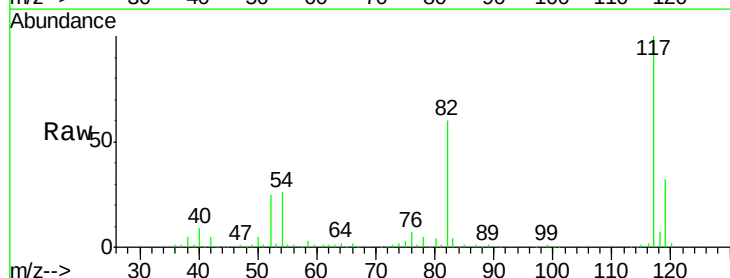
Tgt Ion: 117 Resp: 402867

Ion Ratio Lower Upper

117 100

82 59.7 49.2 73.8

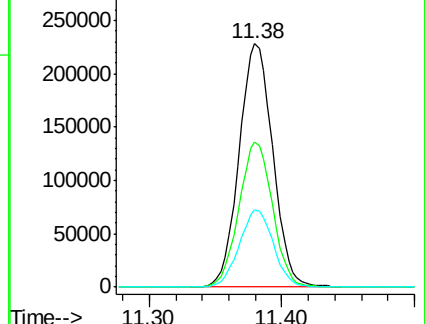
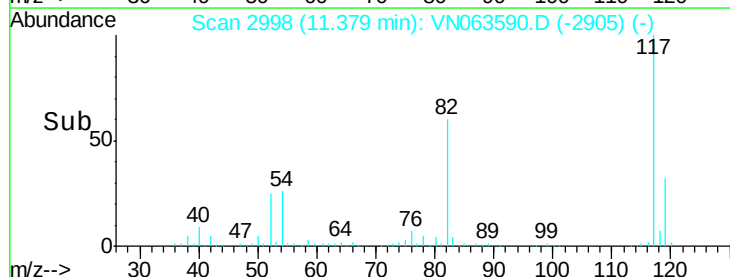
119 31.5 26.2 39.4

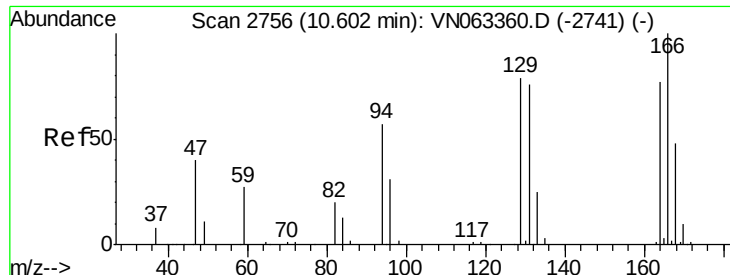


Abundance Ion 116.90 (116.60 to 117.60): VN063590.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063590.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063590.D (-2905) (-)





#64

Tetrachloroethene

Concen: 1.482 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

RE125D3-20200916DL

Tot Ion:164 Resp: 4065

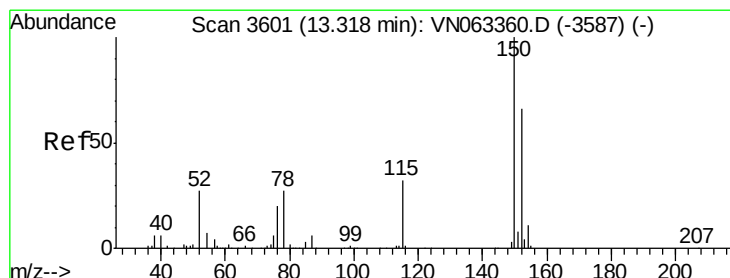
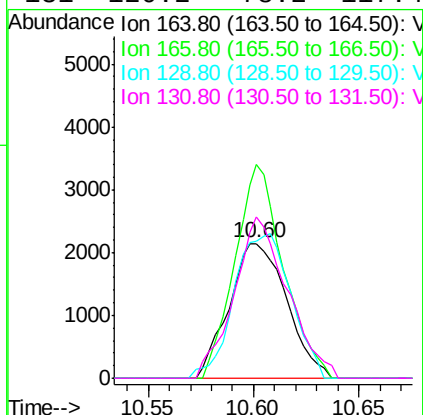
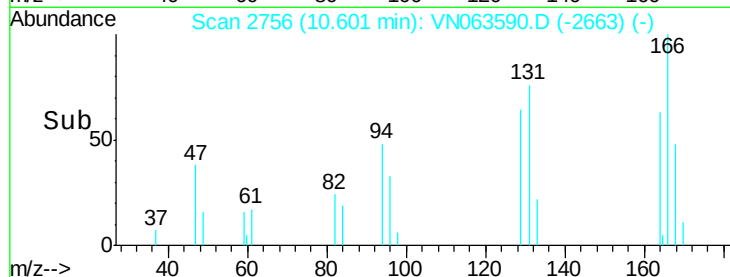
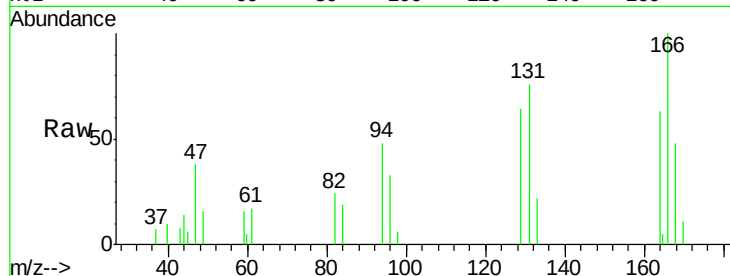
Ion Ratio Lower Upper

164 100

166 158.7 103.4 155.0#

129 102.1 81.8 122.6

131 120.2 78.2 117.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Tgt Ion:152 Resp: 169177

Ion Ratio Lower Upper

152 100

115 63.7 32.2 96.6

150 157.0 0.0 343.4

