

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN092319\  
 Data File : VN058302.D  
 Acq On : 23 Sep 2019 18:50  
 Operator : JC/SP  
 Sample : K4975-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP05-20190917

Quant Time: Oct 01 08:43:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

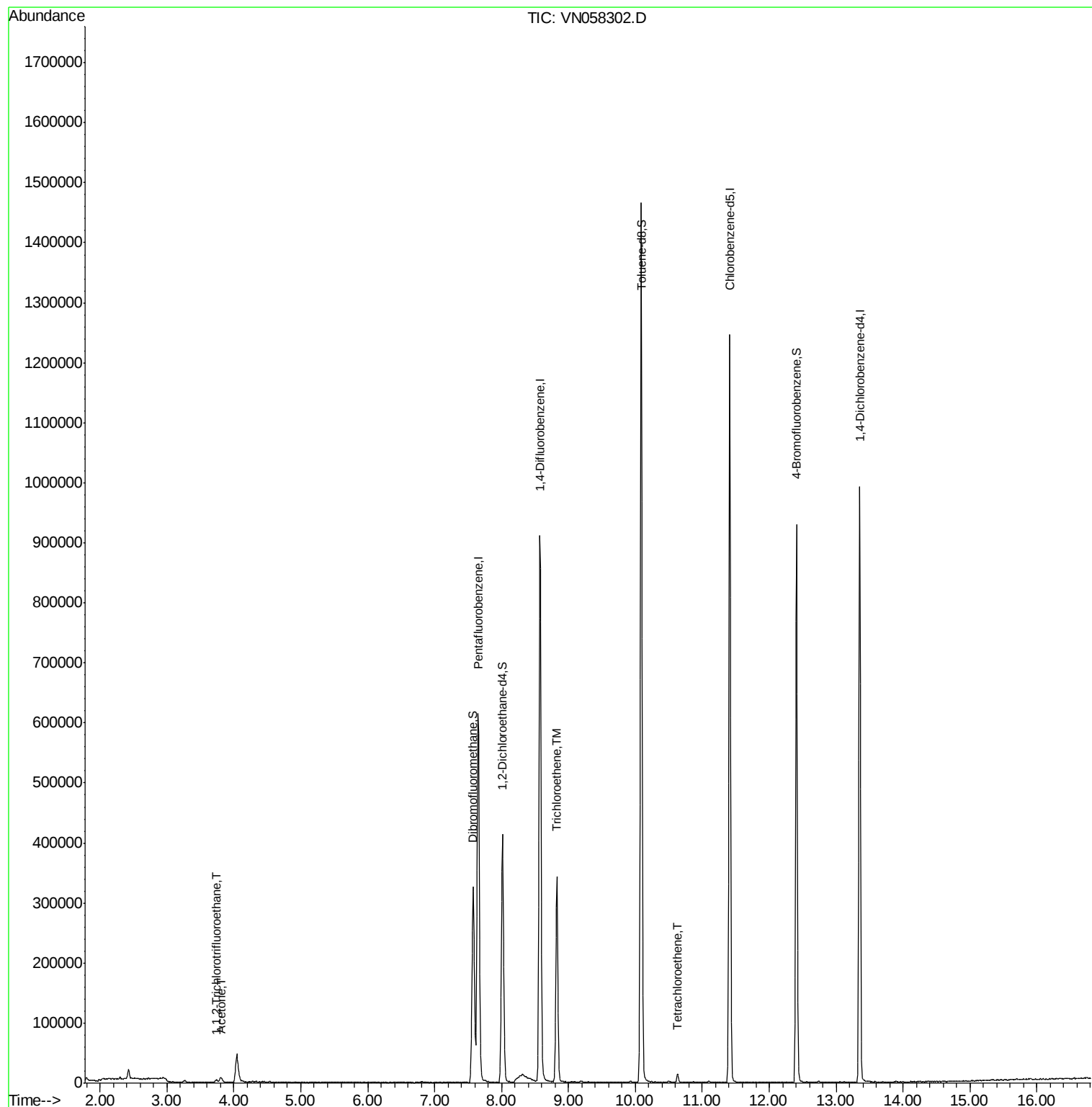
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 7.65  | 168  | 479537   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.58  | 114  | 784735   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.41 | 117  | 668884   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.35 | 152  | 252890   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.01  | 65   | 360839   | 54.03  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 108.06% |          |
| 35) Dibromofluoromethane      | 7.58  | 113  | 249714   | 52.35  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 104.70% |          |
| 50) Toluene-d8                | 10.09 | 98   | 995290   | 53.55  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 107.10% |          |
| 62) 4-Bromofluorobenzene      | 12.41 | 95   | 310552   | 44.98  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 89.96%  |          |
| Target Compounds              |       |      |          |        |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74  | 101  | 2410     | 0.622  | ug/l #  | 84       |
| 16) Acetone                   | 3.81  | 43   | 14605    | 6.442  | ug/l    | 93       |
| 44) Trichloroethene           | 8.82  | 130  | 119240   | 28.190 | ug/l    | 98       |
| 64) Tetrachloroethene         | 10.63 | 164  | 3072     | 0.942  | ug/l #  | 90       |

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

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Quant Title : SW846 8260  
QLast Update : Thu Sep 19 09:27:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

Instrument :

MSVOA\_N

ClientSampleId :

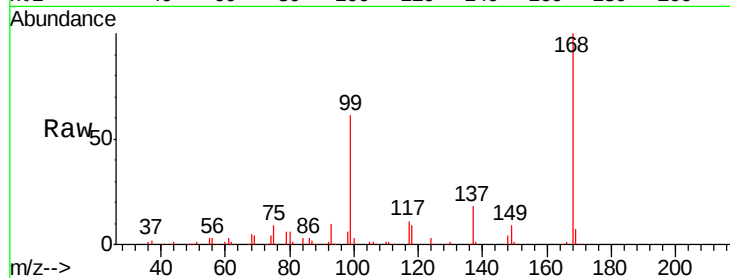
DUP05-20190917

Tgt Ion:168 Resp: 479537

Ion Ratio Lower Upper

168 100

99 60.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

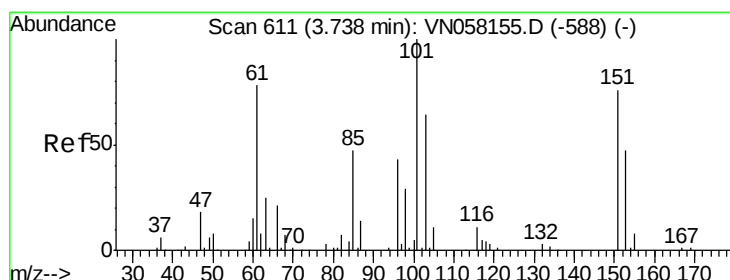
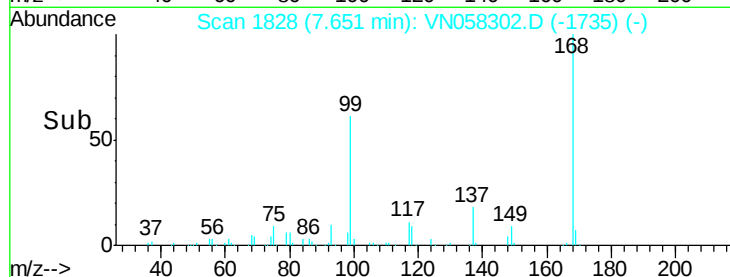
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.622 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

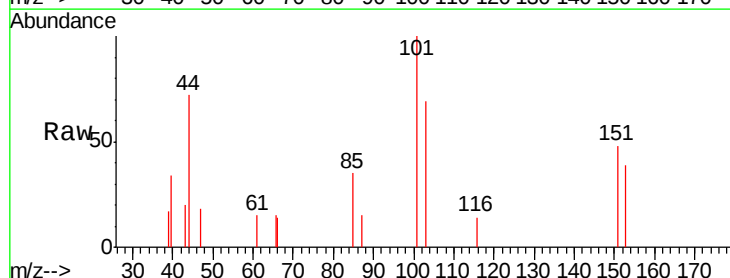
Tgt Ion:101 Resp: 2410

Ion Ratio Lower Upper

101 100

85 44.7 37.3 55.9

151 53.4 59.6 89.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

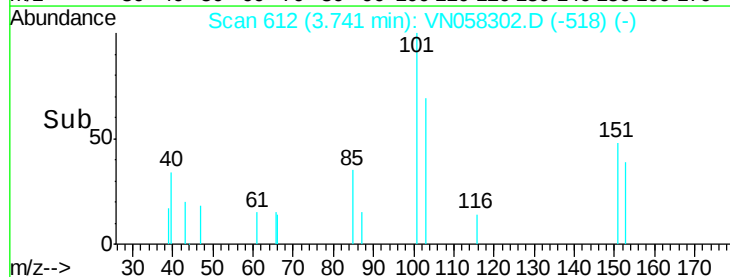
3.74

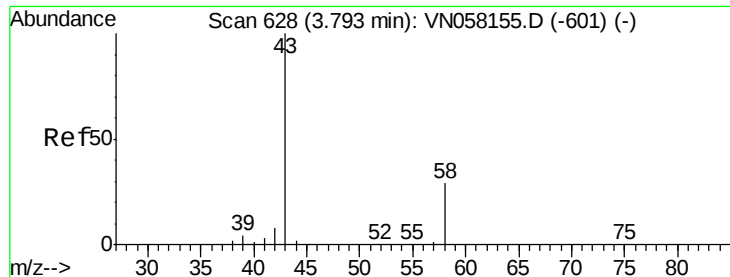
1000

500

0

Time-->

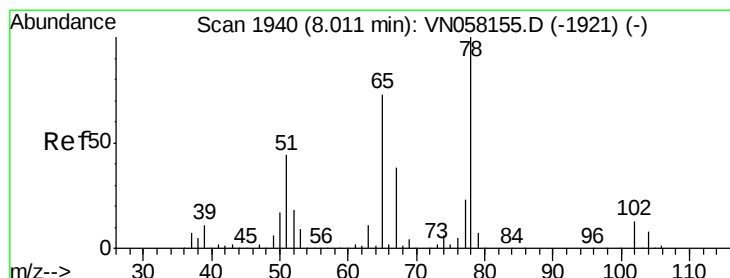
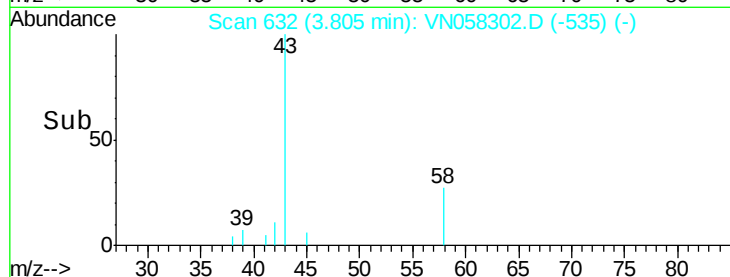
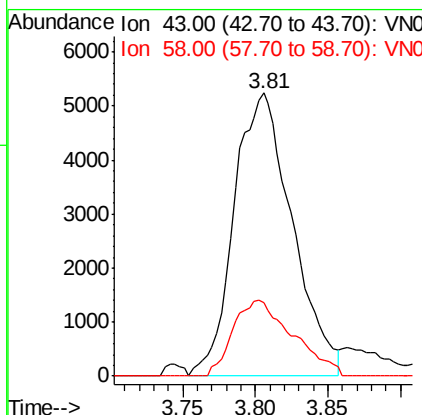
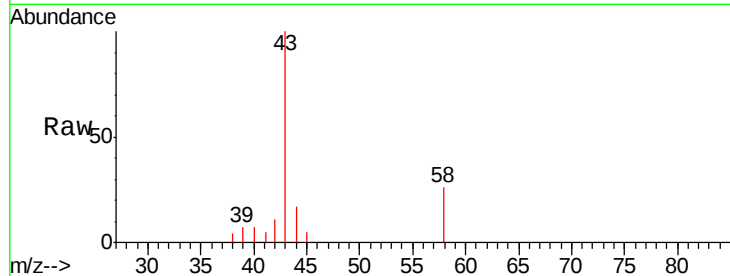




#16  
 Acetone  
 Concen: 6.442 ug/l  
 RT: 3.81 min Scan# 632  
 Delta R.T. 0.01 min  
 Lab File: VN058302.D  
 Acq: 23 Sep 2019 18:50

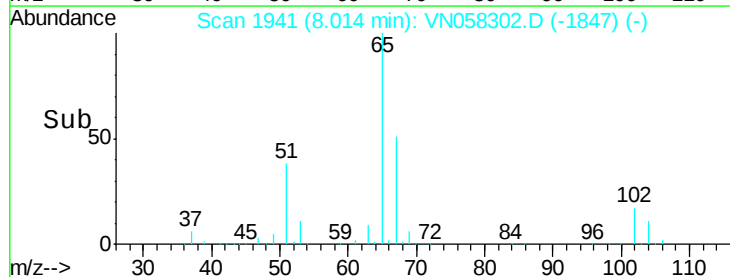
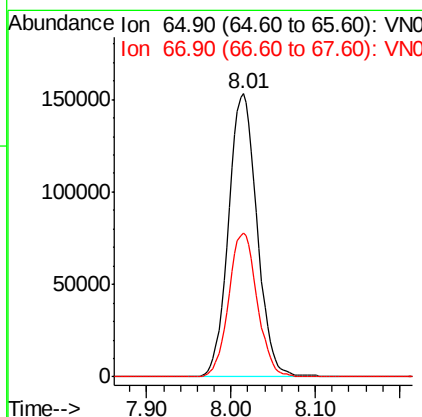
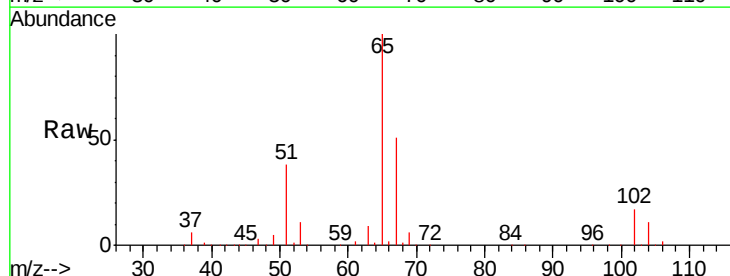
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP05-20190917

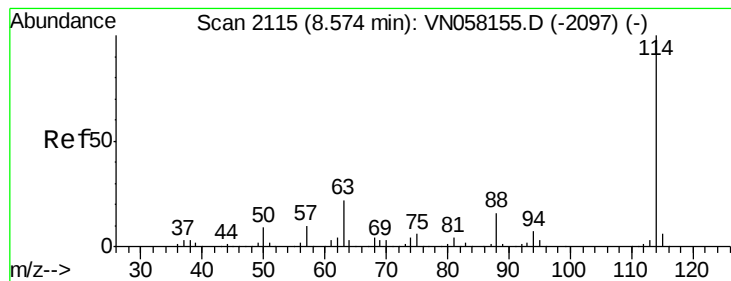
Tgt Ion: 43 Resp: 14605  
 Ion Ratio Lower Upper  
 43 100  
 58 25.8 23.4 35.2



#33  
 1,2-Dichloroethane-d4  
 Concen: 54.026 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN058302.D  
 Acq: 23 Sep 2019 18:50

Tgt Ion: 65 Resp: 360839  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

Instrument :

MSVOA\_N

ClientSampleId :

DUP05-20190917

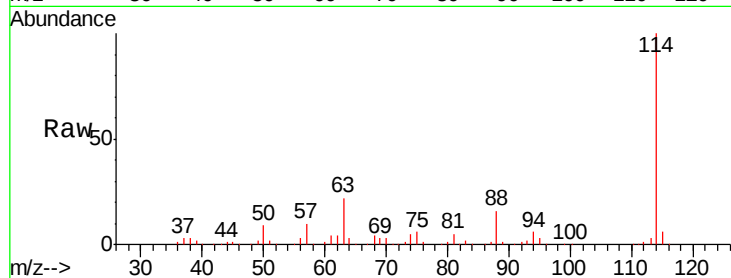
Tgt Ion:114 Resp: 784735

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

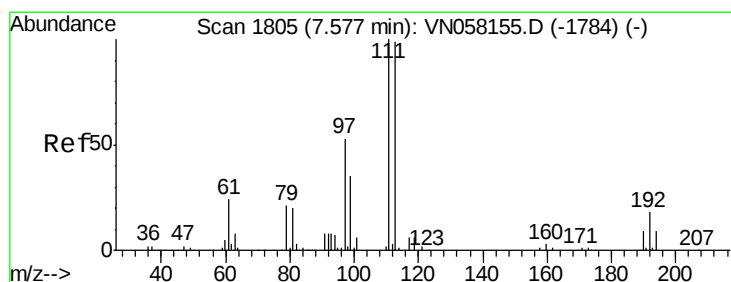
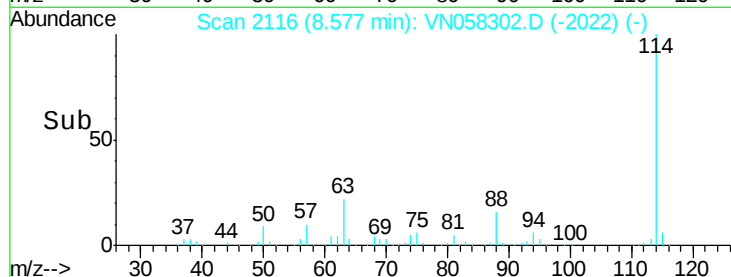
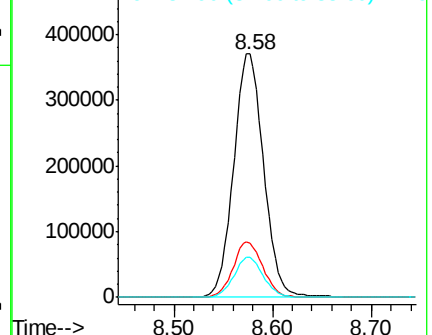
88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 52.345 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

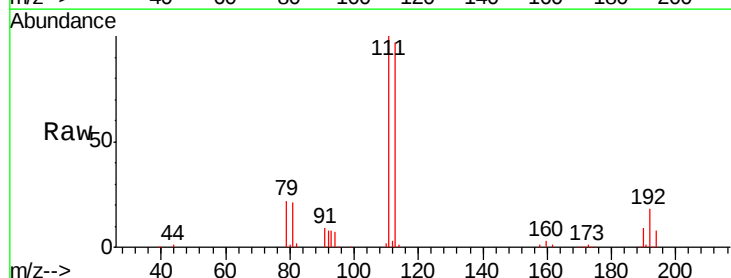
Tgt Ion:113 Resp: 249714

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

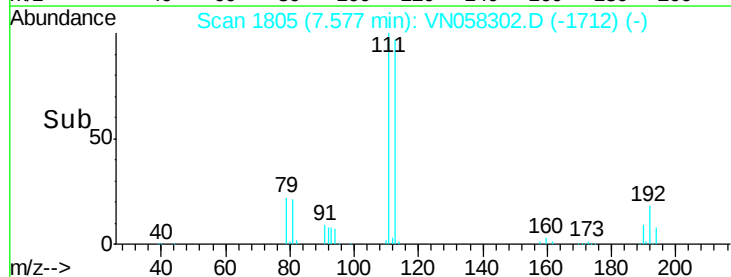
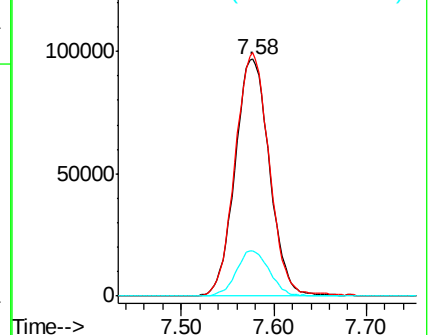
192 18.4 14.5 21.7

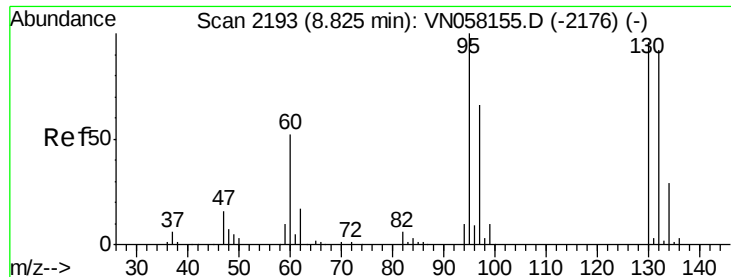


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 28.190 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

Instrument :

MSVOA\_N

ClientSampleId :

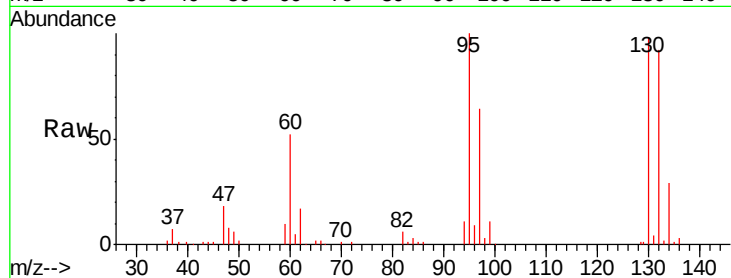
DUP05-20190917

Tgt Ion:130 Resp: 119240

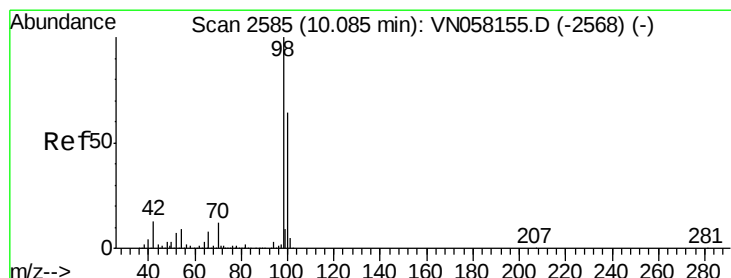
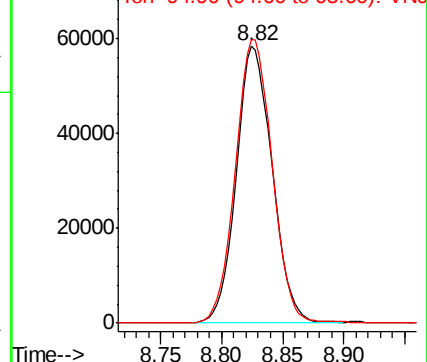
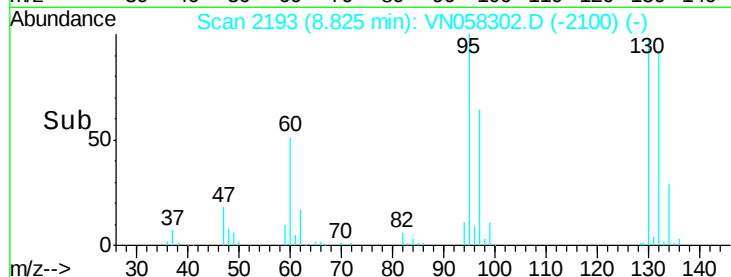
Ion Ratio Lower Upper

130 100

95 101.7 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058302.D (-2100) (-)



#50

Toluene-d8

Concen: 53.548 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058302.D

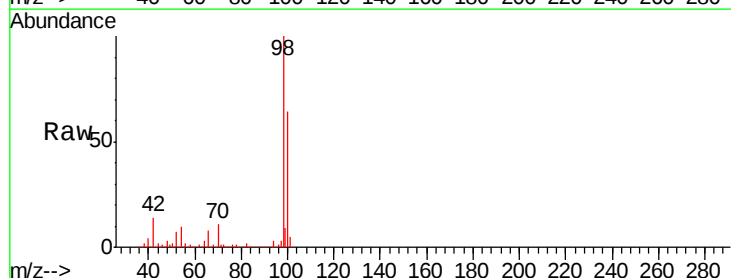
Acq: 23 Sep 2019 18:50

Tgt Ion: 98 Resp: 995290

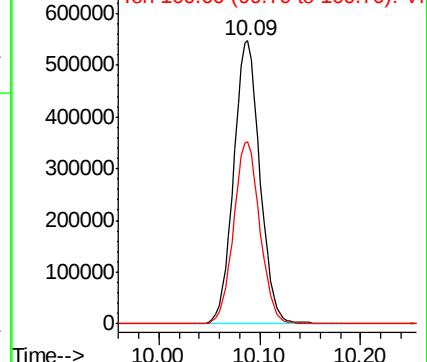
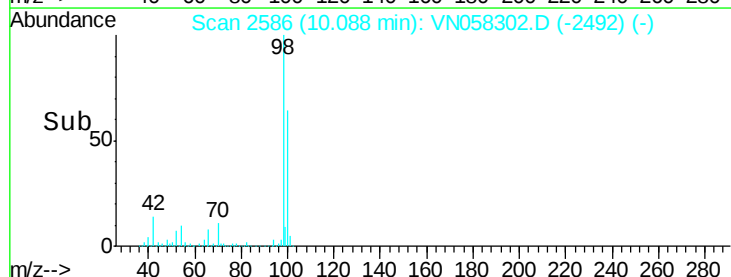
Ion Ratio Lower Upper

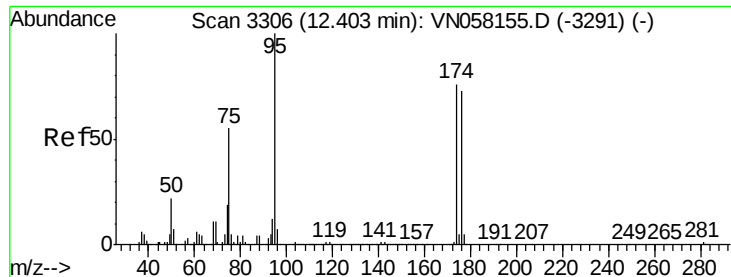
98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058302.D (-2492) (-)

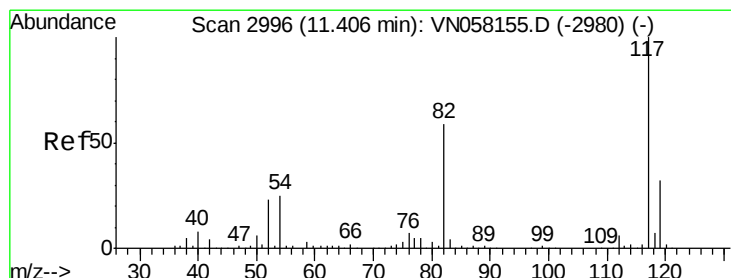
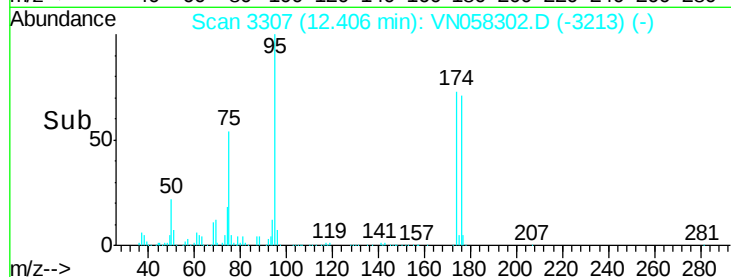
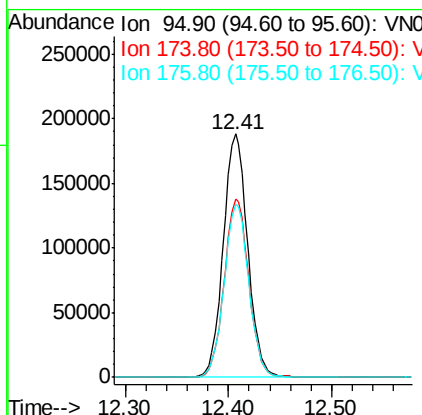
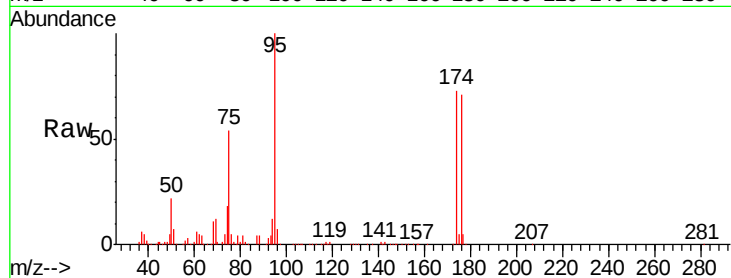




#62  
4-Bromofluorobenzene  
Concen: 44.979 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058302.D  
Acq: 23 Sep 2019 18:50

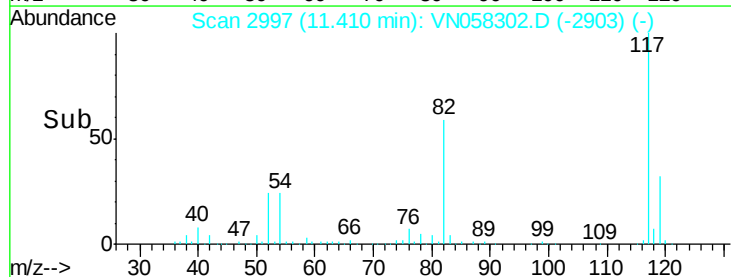
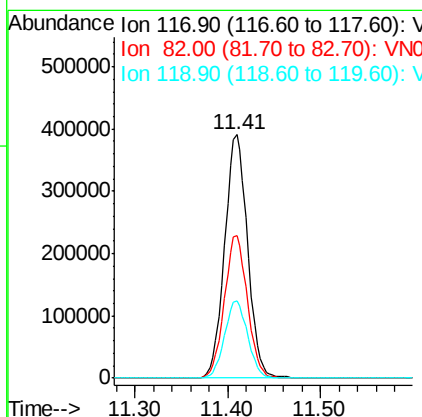
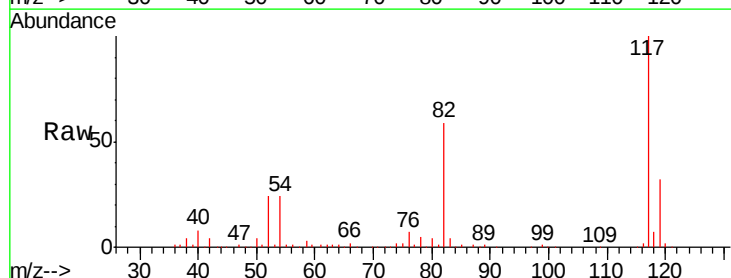
Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP05-20190917

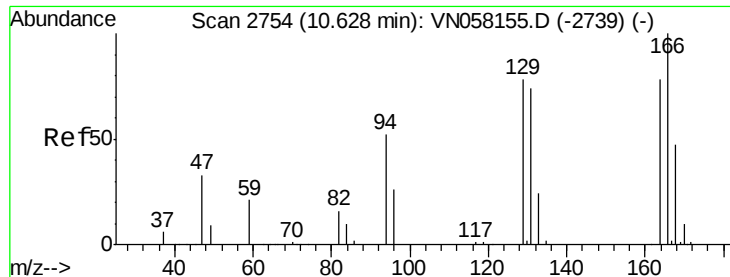
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.9  | 0.0   | 152.2 |
| 176     | 71.8  | 0.0   | 148.0 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN058302.D  
Acq: 23 Sep 2019 18:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.6  | 46.9  | 70.3  |
| 119     | 31.7  | 25.3  | 37.9  |





#64

Tetrachloroethene

Concen: 0.942 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.01 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

Instrument :

MSVOA\_N

ClientSampleId :

DUP05-20190917

Tgt Ion:164 Resp: 3072

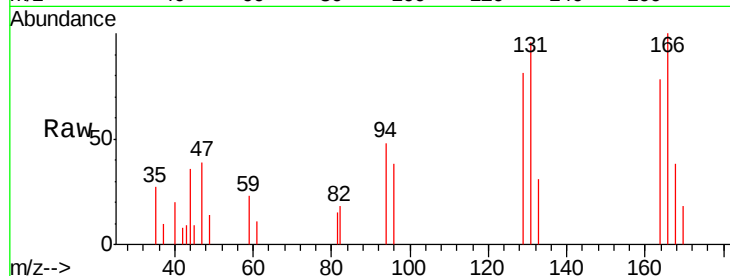
Ion Ratio Lower Upper

164 100

166 128.2 102.2 153.4

129 103.8 79.6 119.4

131 123.5 76.0 114.0#

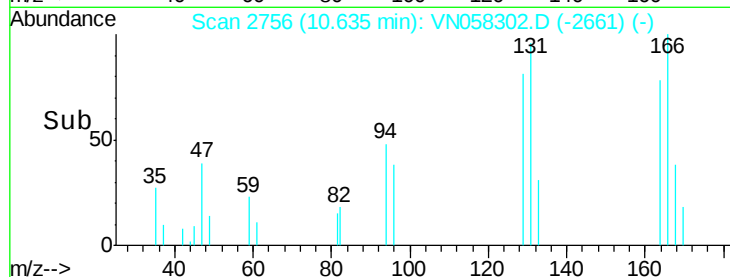


Abundance Ion 163.80 (163.50 to 164.50): V

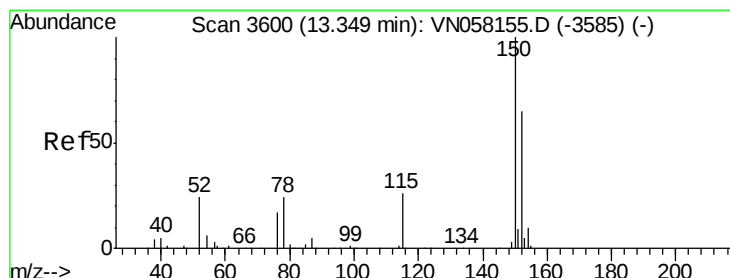
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058302.D

Acq: 23 Sep 2019 18:50

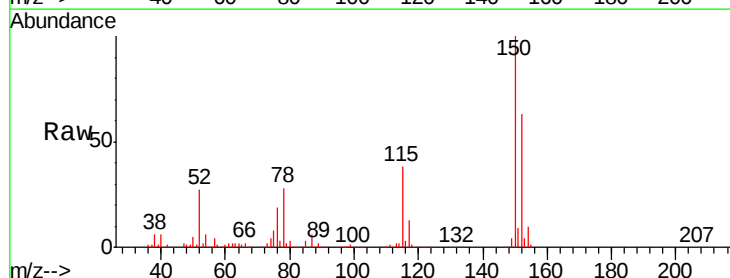
Tgt Ion:152 Resp: 252890

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.3

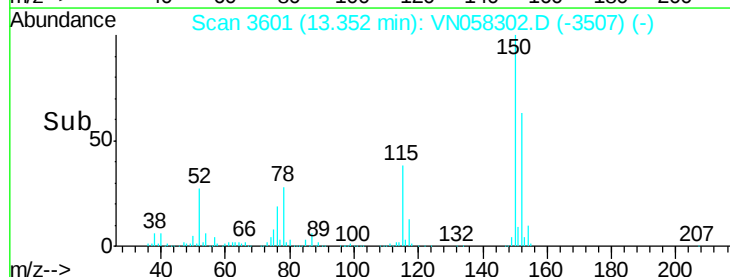
150 156.9 0.0 346.4



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



Time-->