

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
 Data File : VN061021.D  
 Acq On : 16 Apr 2020 18:57  
 Operator : JC/MD  
 Sample : L2284-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-11-DA

Quant Time: Apr 17 04:57:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

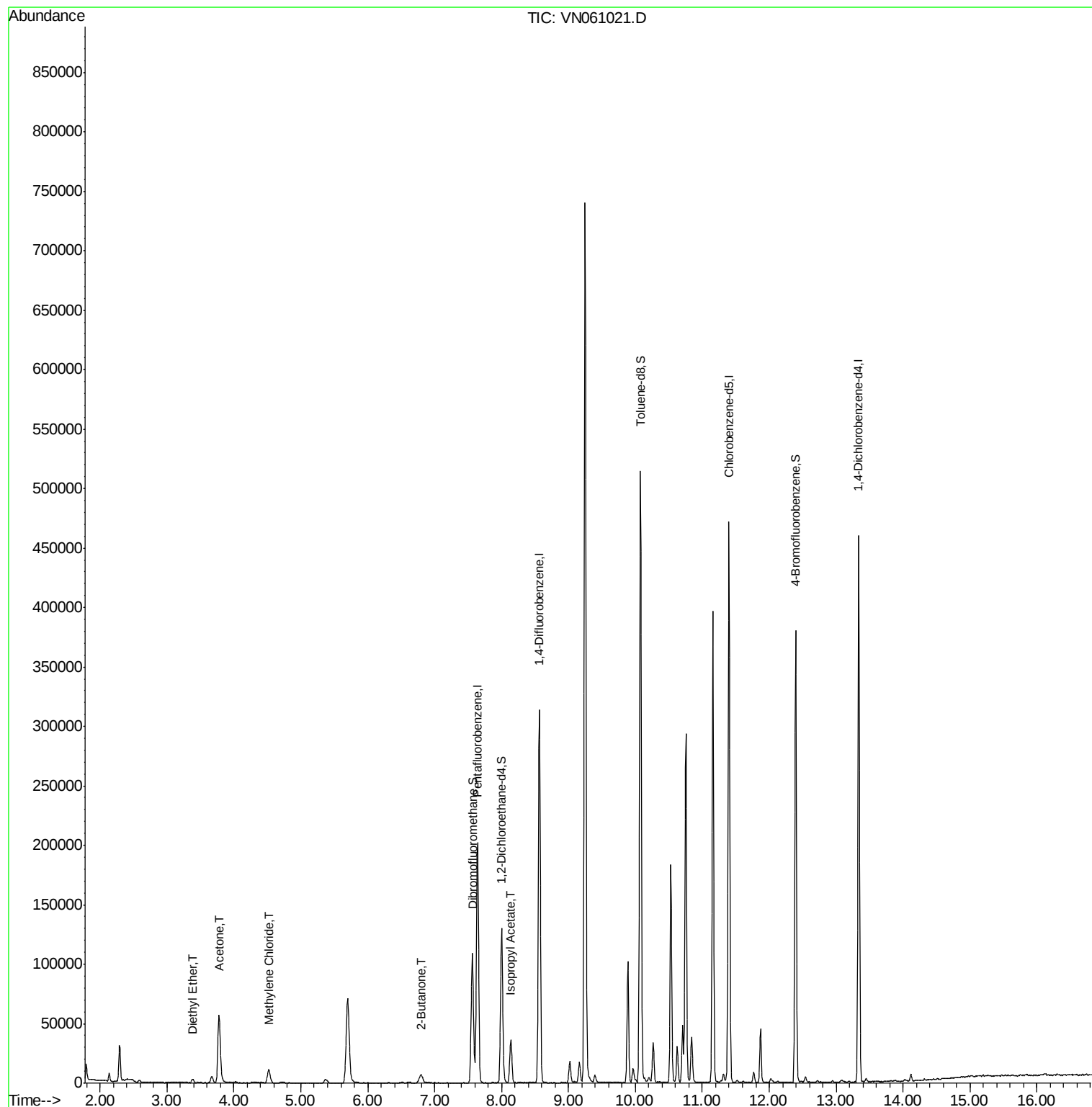
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 163343   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 278572   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 264925   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 119635   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 111102   | 53.16   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 106.32% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 83020    | 51.03   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.06% |          |
| 50) Toluene-d8              | 10.08 | 98   | 347239   | 56.49   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 112.98% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 132627   | 55.05   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 110.10% |          |
| Target Compounds            |       |      |          |         |         |          |
| 8) Diethyl Ether            | 3.38  | 74   | 1516     | 1.273   | ug/l    | 93       |
| 16) Acetone                 | 3.78  | 43   | 99698    | 108.384 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.52  | 84   | 8600     | 4.282   | ug/l    | 99       |
| 25) 2-Butanone              | 6.80  | 43   | 13383    | 9.494   | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 44194    | 8.706   | ug/l #  | 92       |

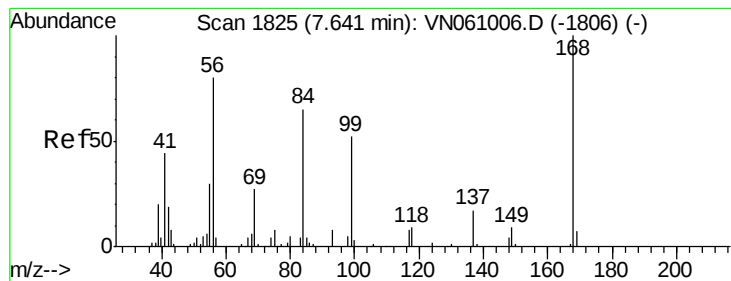
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
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TP-11-DA

Quant Time: Apr 17 04:57:53 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampleId :

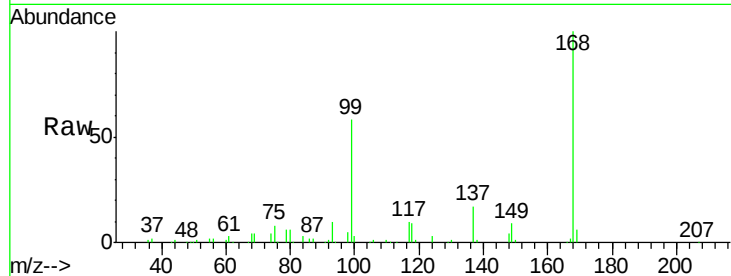
TP-11-DA

Tot Ion:168 Resp: 163343

Ion Ratio Lower Upper

168 100

99 58.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)

7.64

60000

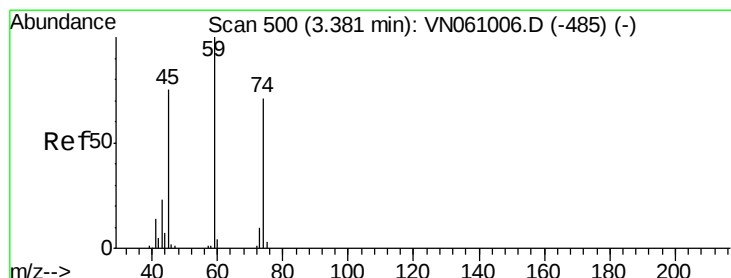
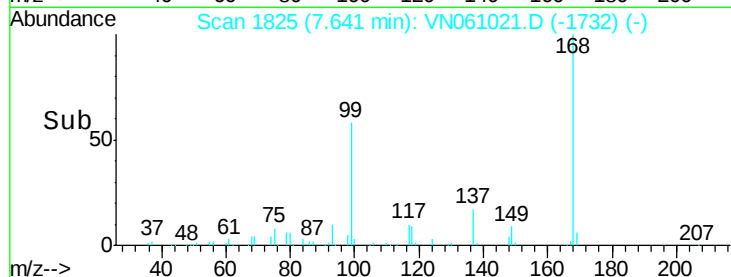
40000

20000

0

7.60 7.70

Time-->



#8

Diethyl Ether

Concen: 1.273 ug/l

RT: 3.38 min Scan# 501

Delta R.T. 0.00 min

Lab File: VN061021.D

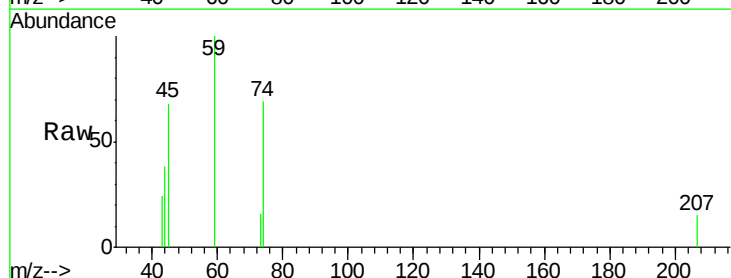
Acq: 16 Apr 2020 18:57

Tgt Ion: 74 Resp: 1516

Ion Ratio Lower Upper

74 100

45 113.6 52.9 158.8



Abundance Ion 74.00 (73.70 to 74.70): VN061006.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN061006.D (-485) (-)

3.38

800

600

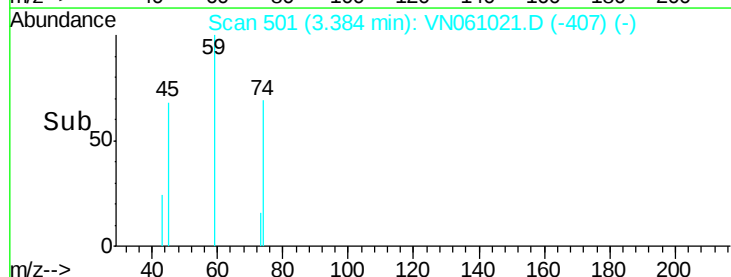
400

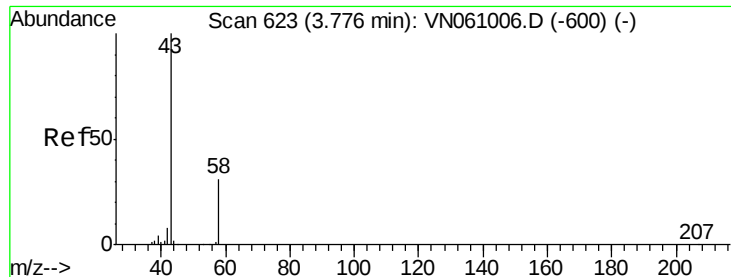
200

0

3.35 3.40

Time-->





#16

Acetone

Concen: 108.384 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampleId :

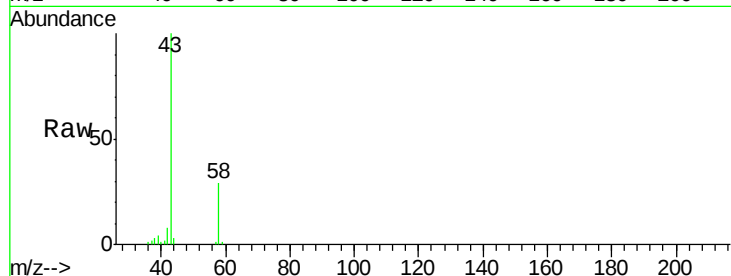
TP-11-DA

Tot Ion: 43 Resp: 99698

Ion Ratio Lower Upper

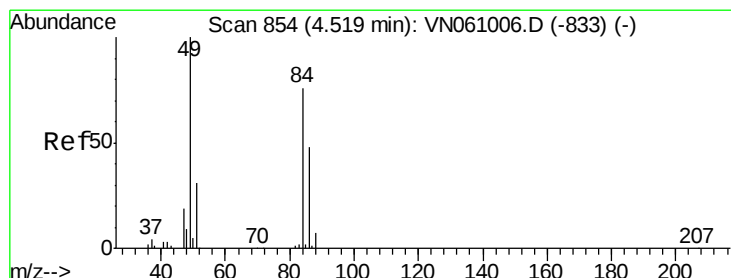
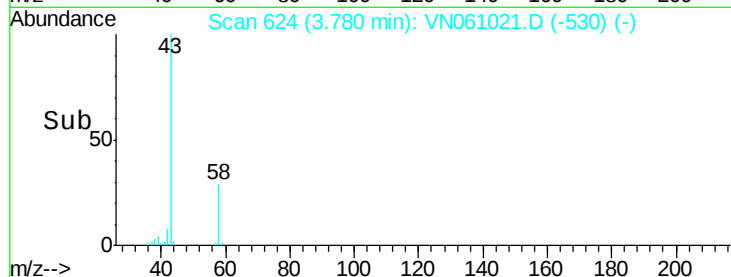
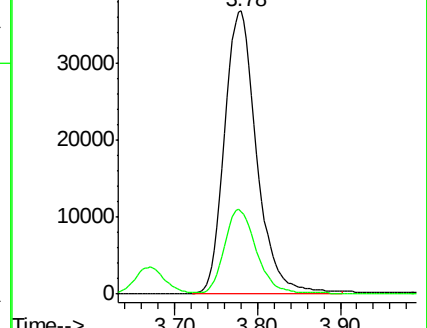
43 100

58 29.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-600) (-)



#20

Methylene Chloride

Concen: 4.282 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Tgt Ion: 84 Resp: 8600

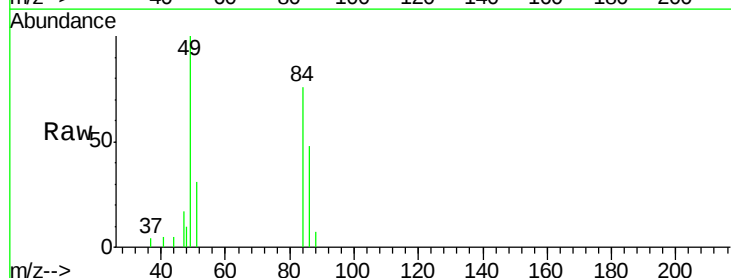
Ion Ratio Lower Upper

84 100

49 131.8 105.8 158.6

51 40.2 32.4 48.6

86 62.7 51.1 76.7

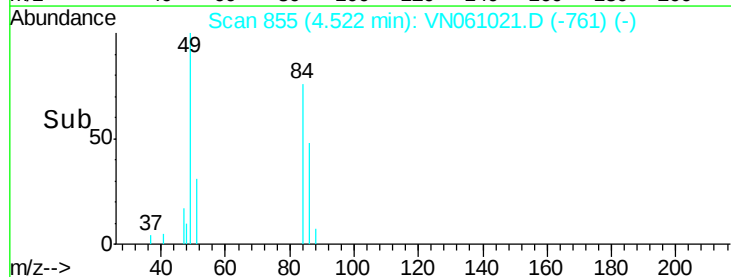
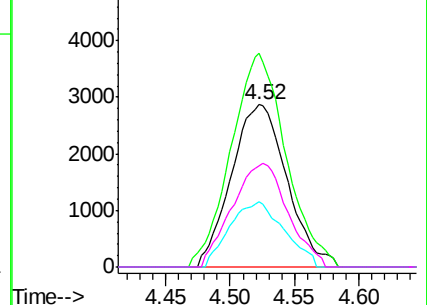


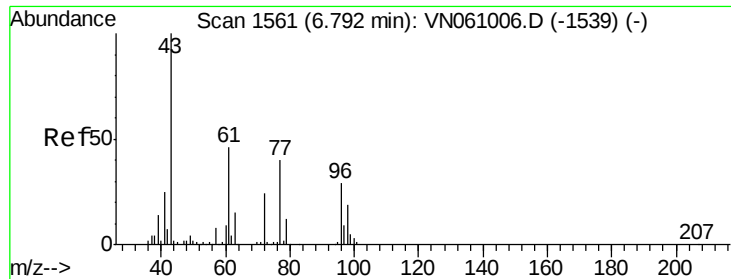
Abundance Ion 83.90 (83.60 to 84.60): VN061006.D (-833) (-)

Ion 48.90 (48.60 to 49.60): VN061006.D (-833) (-)

Ion 50.90 (50.60 to 51.60): VN061006.D (-833) (-)

Ion 85.90 (85.60 to 86.60): VN061006.D (-833) (-)





#25

2-Butanone

Concen: 9.494 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampleId :

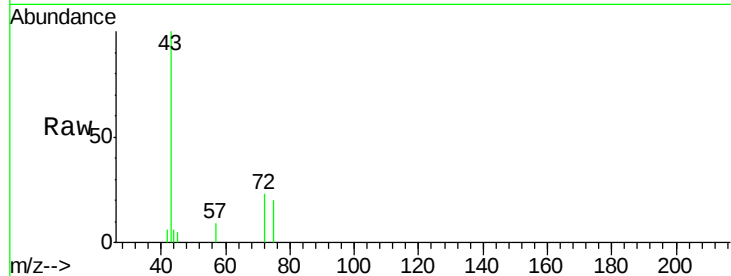
TP-11-DA

Tot Ion: 43 Resp: 13383

Ion Ratio Lower Upper

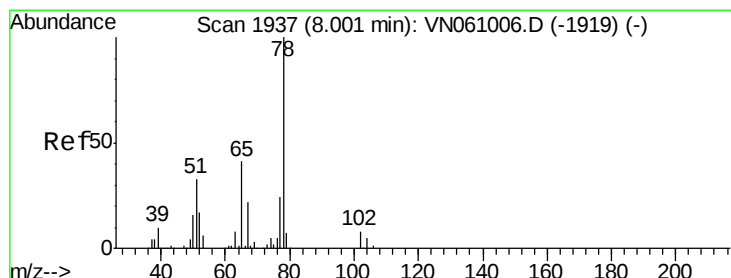
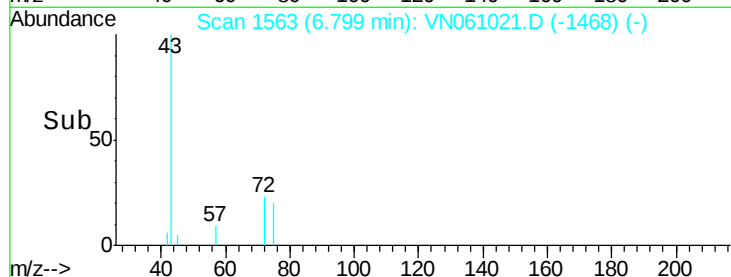
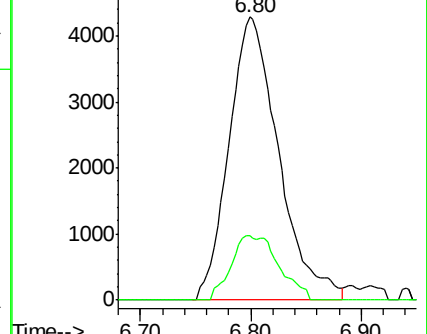
43 100

72 22.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1539) (-)

Ion 72.00 (71.70 to 72.70): VN061006.D (-1539) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.162 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061021.D

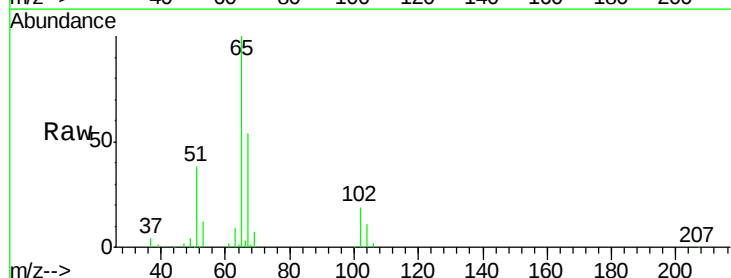
Acq: 16 Apr 2020 18:57

Tgt Ion: 65 Resp: 111102

Ion Ratio Lower Upper

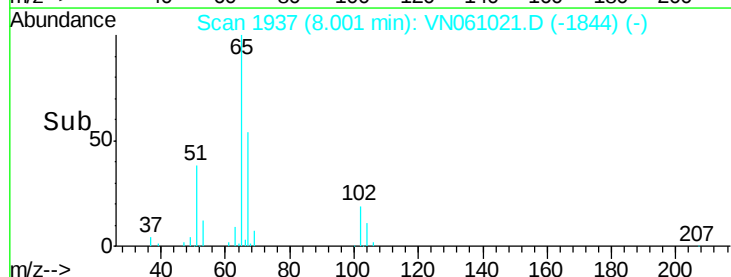
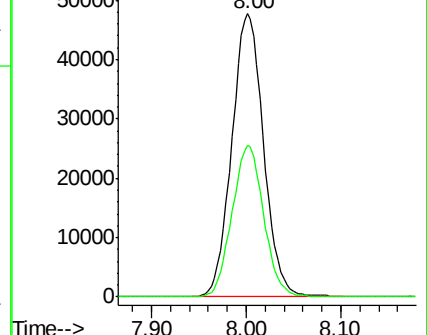
65 100

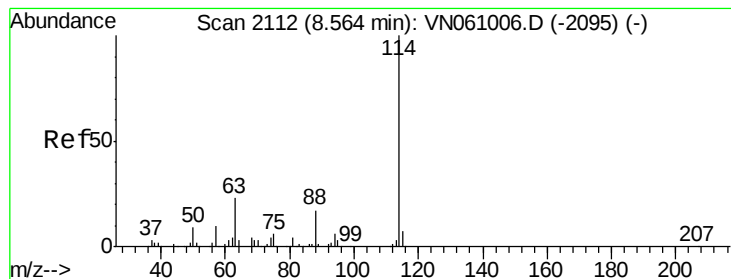
67 53.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN061006.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN061006.D (-1919) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-11-DA

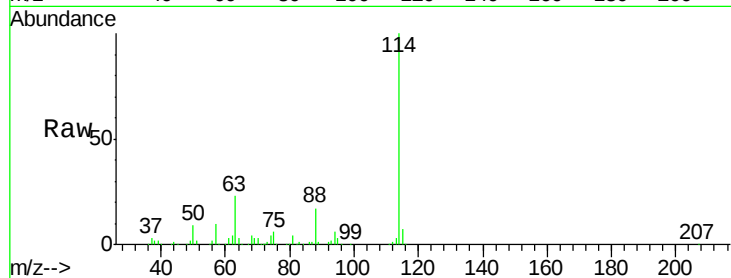
Tot Ion:114 Resp: 278572

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

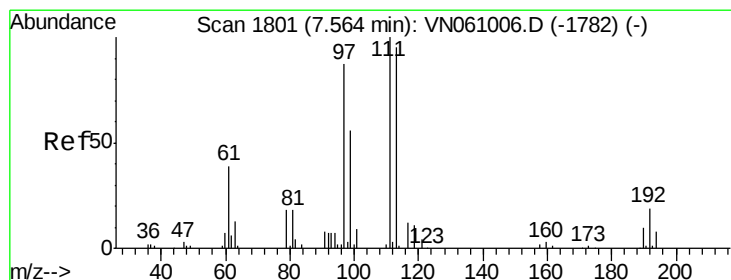
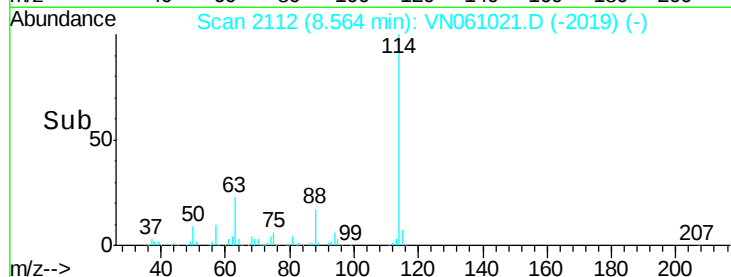
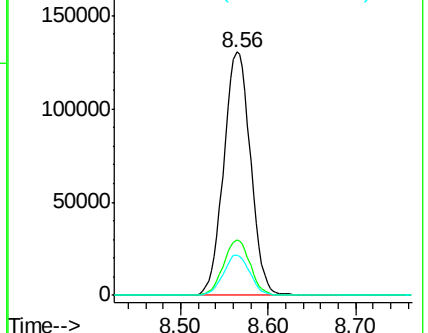
88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.032 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

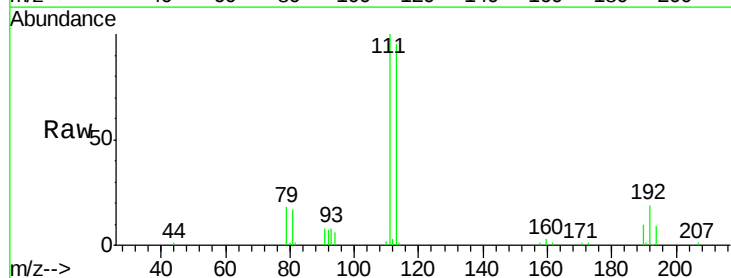
Tgt Ion:113 Resp: 83020

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.2

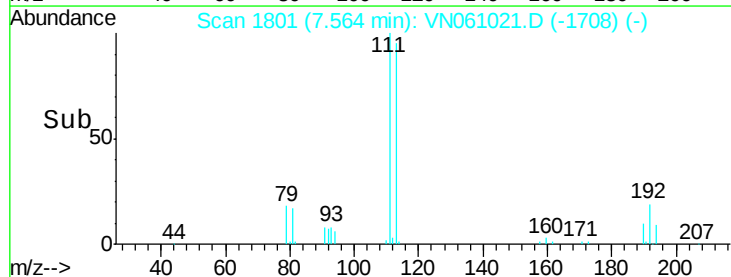
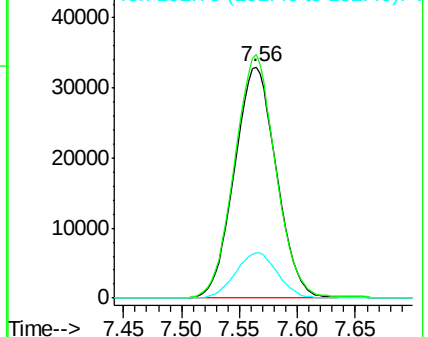
192 19.5 15.5 23.3

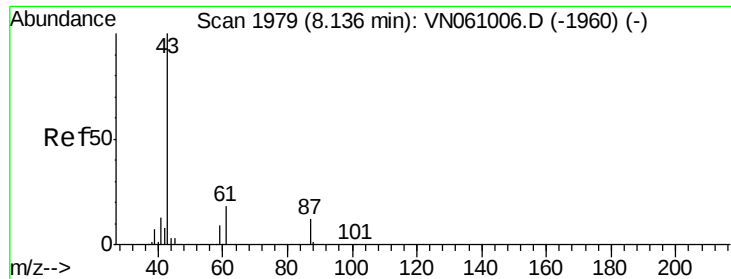


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.706 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampled :

TP-11-DA

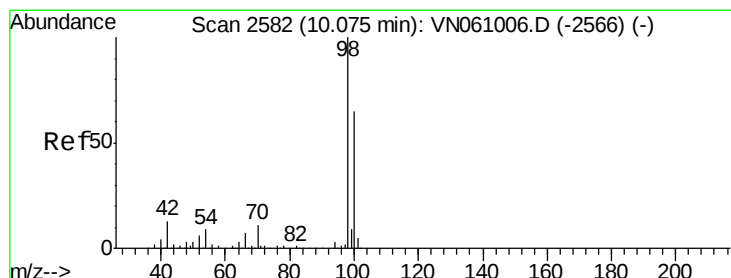
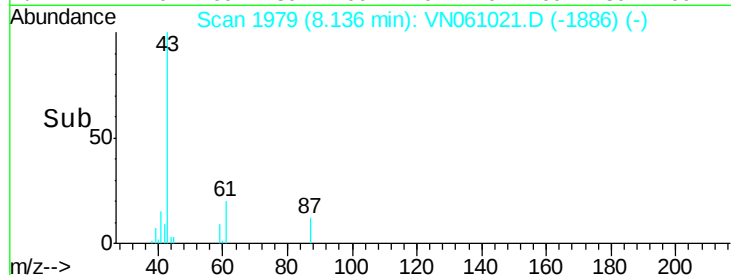
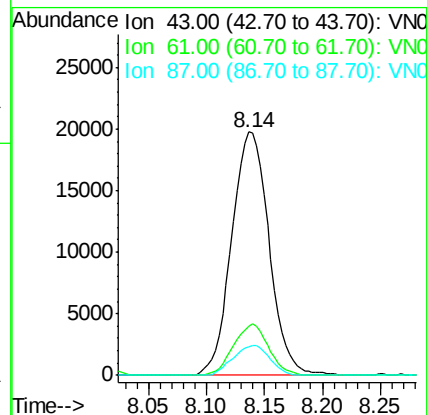
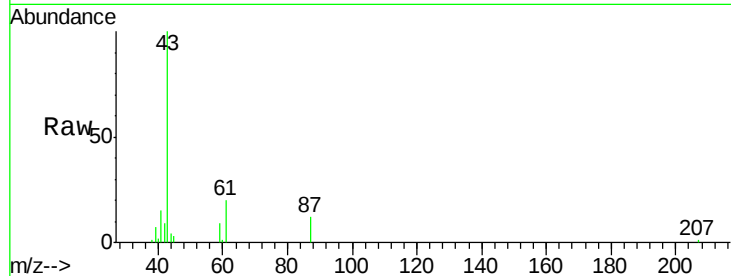
Tot Ion: 43 Resp: 44194

Ion Ratio Lower Upper

43 100

61 19.8 20.3 30.5#

87 12.0 9.4 14.2



#50

Toluene-d8

Concen: 56.485 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061021.D

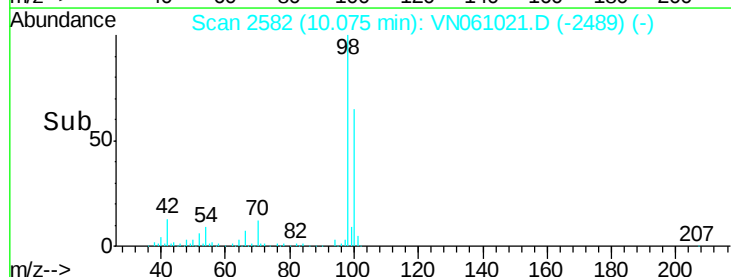
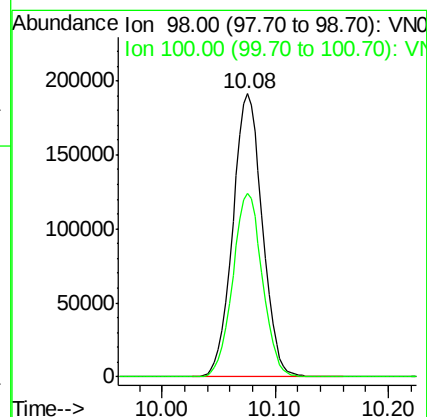
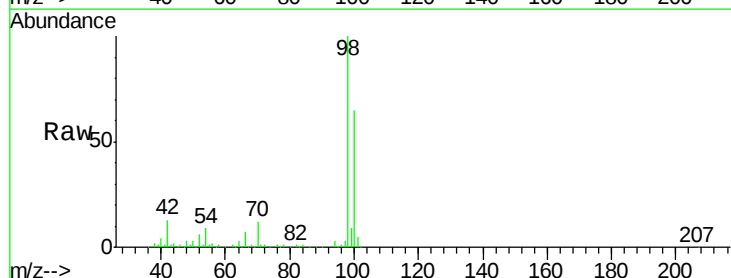
Acq: 16 Apr 2020 18:57

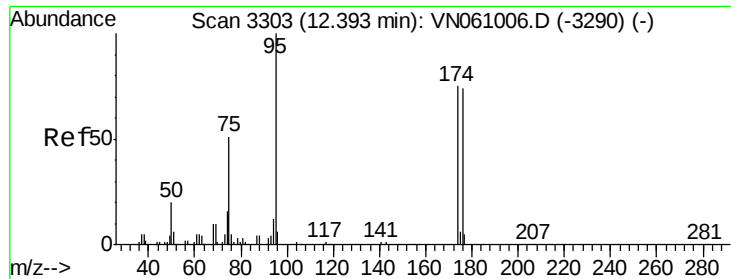
Tgt Ion: 98 Resp: 347239

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 55.046 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-11-DA

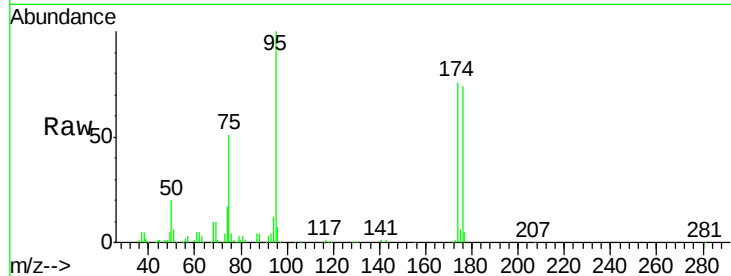
Tot Ion: 95 Resp: 132627

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.2

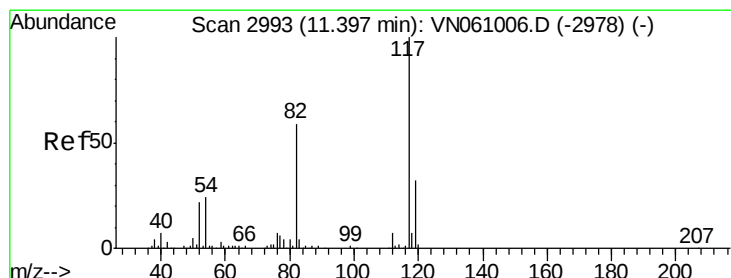
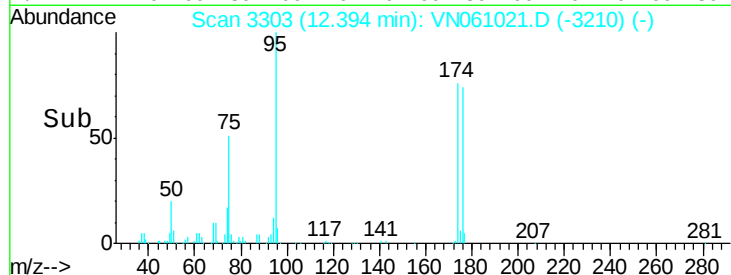
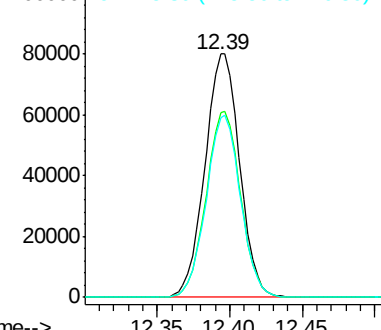
176 74.0 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

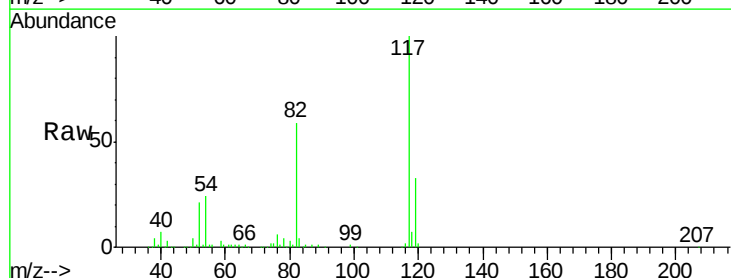
Tgt Ion: 117 Resp: 264925

Ion Ratio Lower Upper

117 100

82 59.3 47.1 70.7

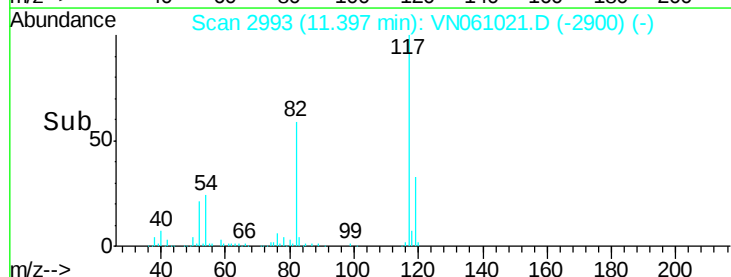
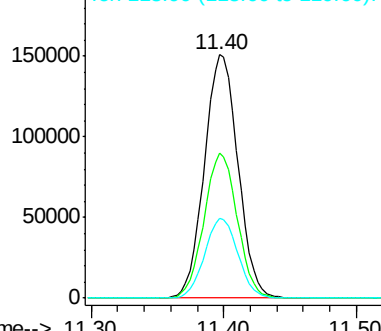
119 32.7 25.7 38.5

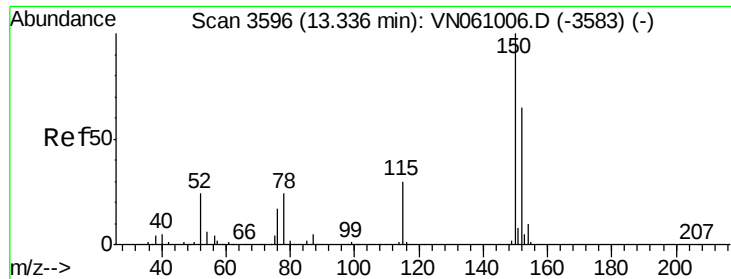


Abundance Ion 116.90 (116.60 to 117.60): VN061006.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN061006.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN061006.D (-2978) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061021.D

Acq: 16 Apr 2020 18:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-11-DA

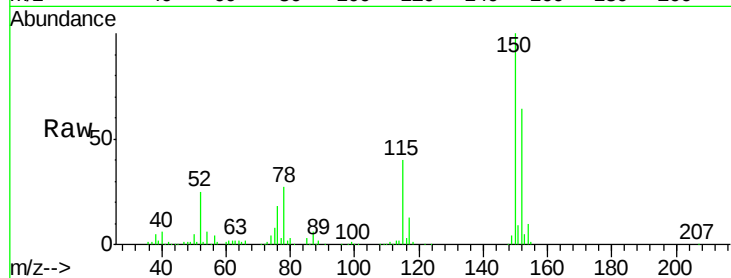
Tot Ion:152 Resp: 119635

Ion Ratio Lower Upper

152 100

115 61.2 30.8 92.4

150 157.0 0.0 349.0



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

