

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\  
 Data File : VN054544.D  
 Acq On : 22 Mar 2019 7:19  
 Operator : JC/SP  
 Sample : K2002-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1(10)

Quant Time: Mar 22 11:09:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

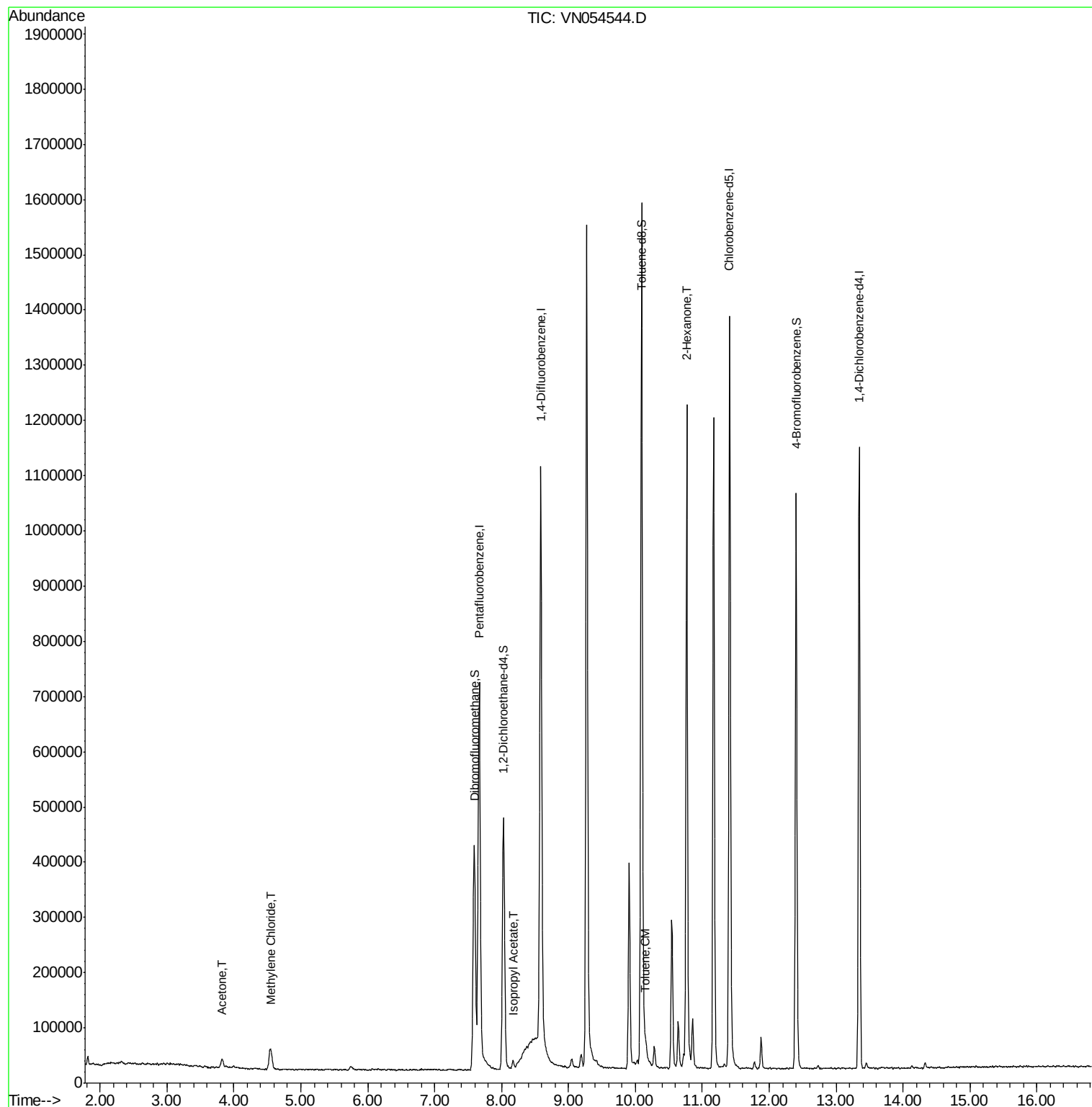
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 617379   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 977499   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 812849   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 301822   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 396230   | 51.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.20% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 307075   | 48.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.52%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1156545  | 48.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 359615   | 44.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.28%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.83  | 43   | 27988    | 12.123 | ug/l #  | 81       |
| 20) Methylene Chloride      | 4.55  | 84   | 25930    | 3.810  | ug/l #  | 77       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 18202    | 1.658  | ug/l #  | 94       |
| 52) Toluene                 | 10.16 | 92   | 7138     | 0.444  | ug/l    | 96       |
| 59) 2-Hexanone              | 10.77 | 43   | 200604m  | 50.477 | ug/l    |          |

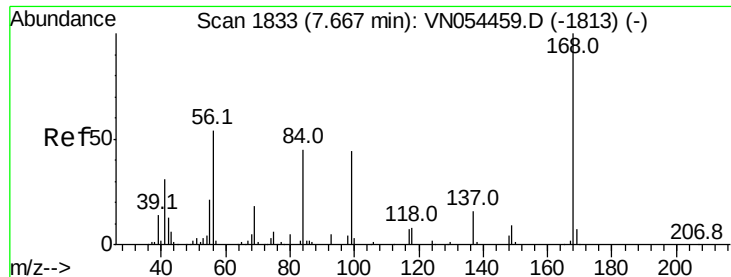
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032119\  
Data File : VN054544.D  
Acq On : 22 Mar 2019 7:19  
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Sample : K2002-06  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1(10)

Quant Time: Mar 22 11:09:49 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

Instrument :

MSVOA\_N

ClientSampled :

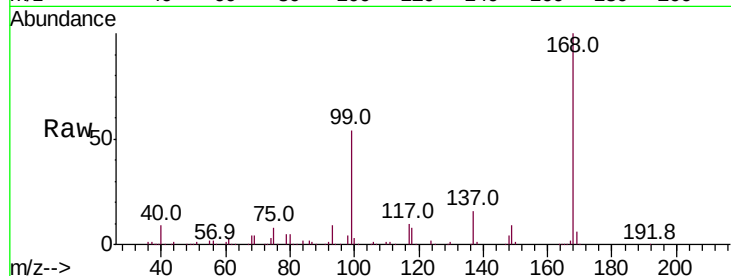
S-1(10)

Tot Ion:168 Resp: 617379

Ion Ratio Lower Upper

168 100

99 53.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

150000

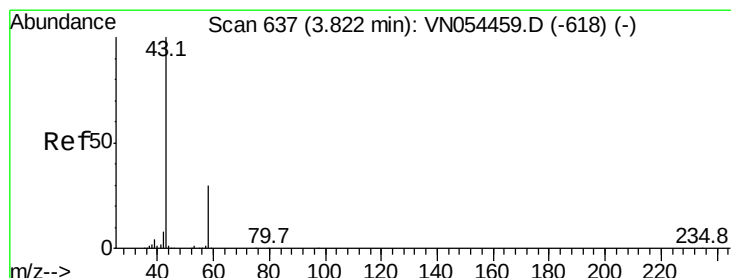
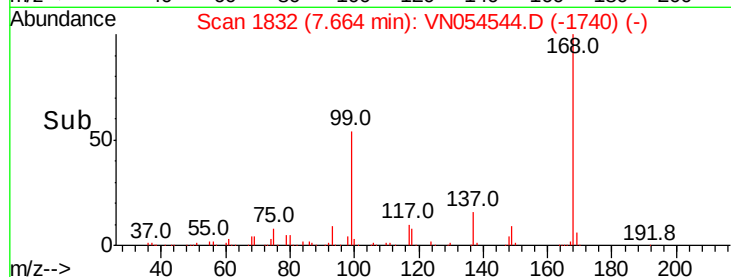
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 12.123 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054544.D

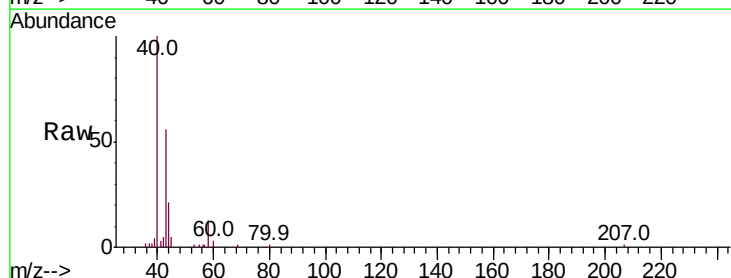
Acq: 22 Mar 2019 7:19

Tgt Ion: 43 Resp: 27988

Ion Ratio Lower Upper

43 100

58 26.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.83

12000

10000

8000

6000

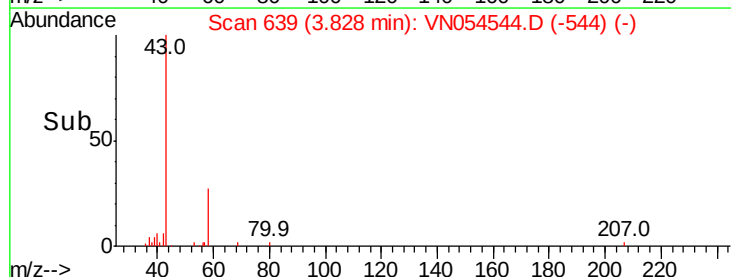
4000

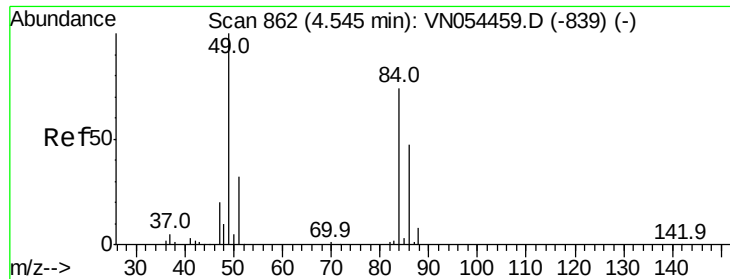
2000

0

3.70 3.80 3.90

Time-->

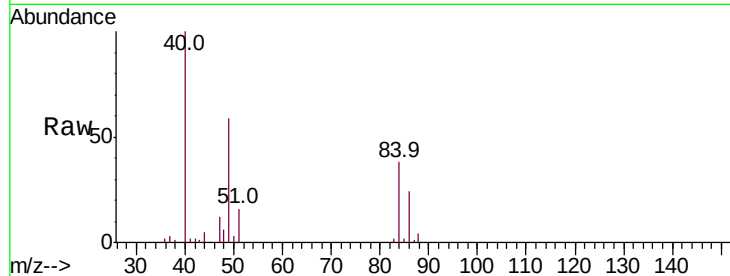




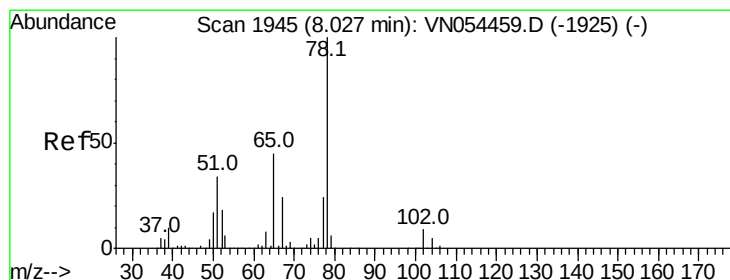
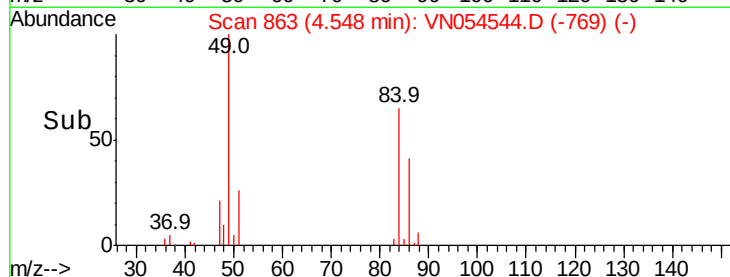
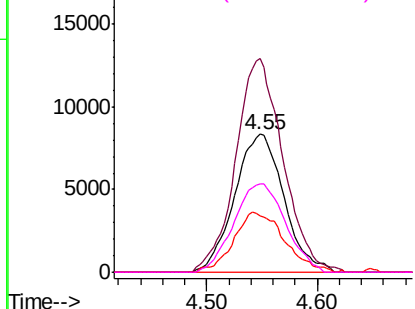
#20  
Methylene Chloride  
Concen: 3.810 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054544.D  
Acq: 22 Mar 2019 7:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1(10)

Tot Ion: 84 Resp: 25930  
Ion Ratio Lower Upper  
84 100  
49 154.7 89.7 134.5#  
51 41.0 28.2 42.4  
86 64.1 50.8 76.2

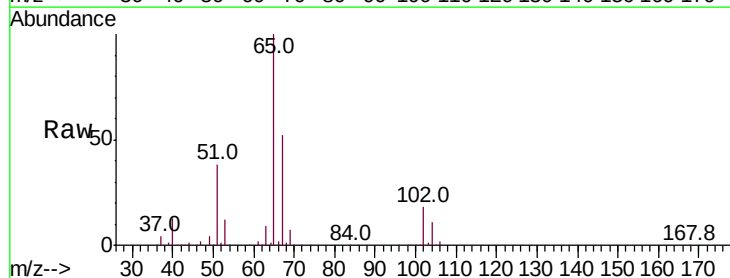


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

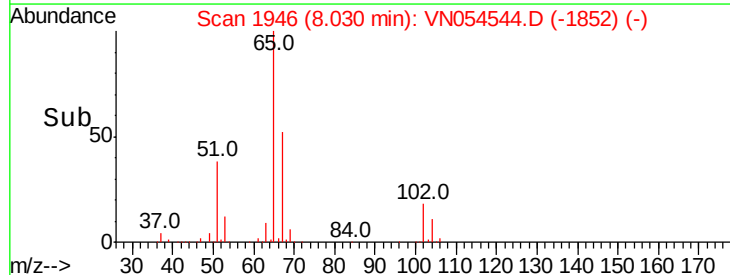
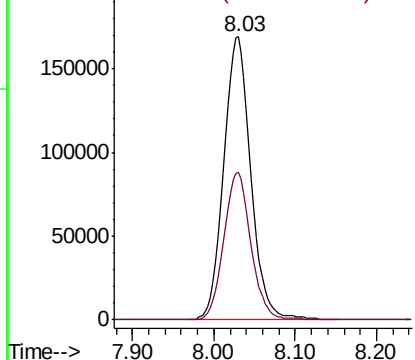


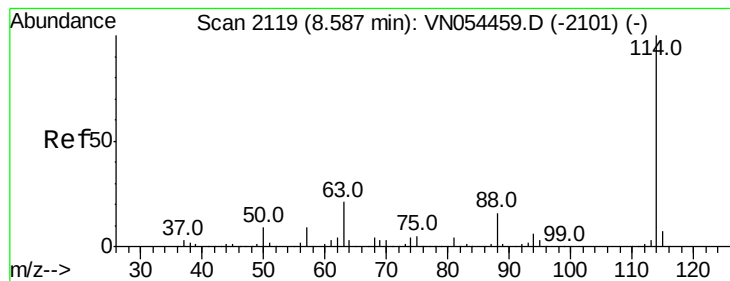
#33  
1,2-Dichloroethane-d4  
Concen: 51.598 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN054544.D  
Acq: 22 Mar 2019 7:19

Tgt Ion: 65 Resp: 396230  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 104.6



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: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

Instrument :

MSVOA\_N

ClientSampled :

S-1(10)

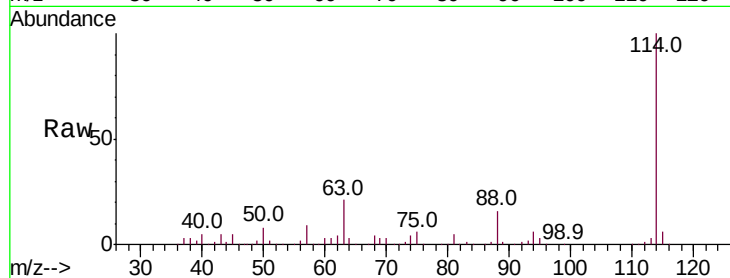
Tot Ion:114 Resp: 977499

Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.2

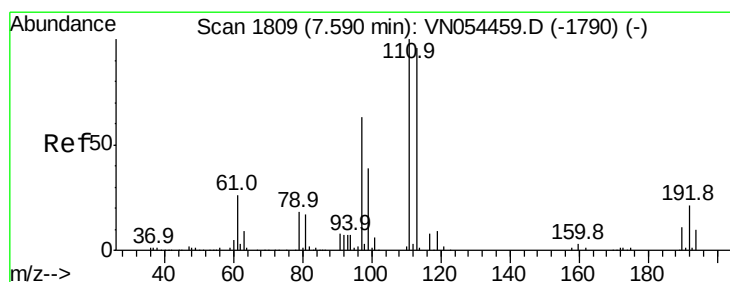
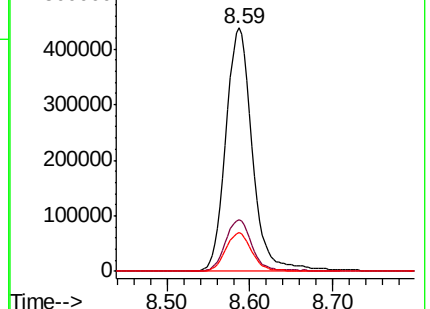
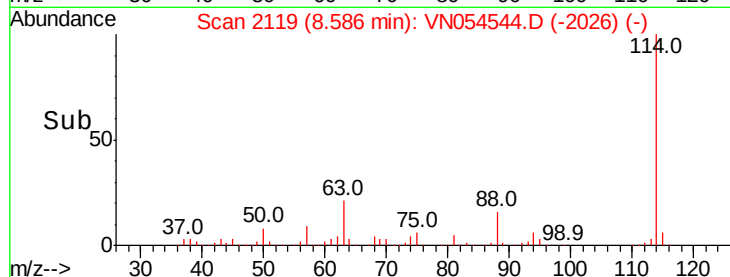
88 15.8 0.0 30.2



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: 48.761 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

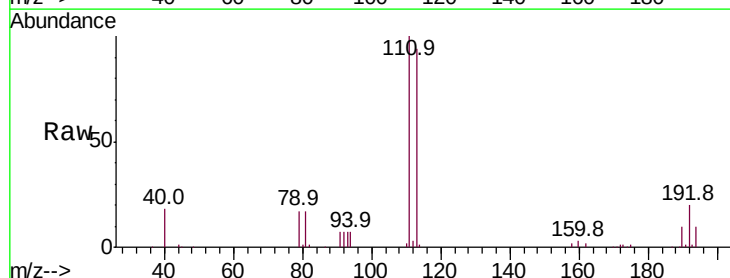
Tgt Ion:113 Resp: 307075

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

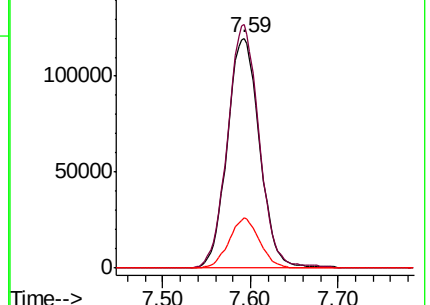
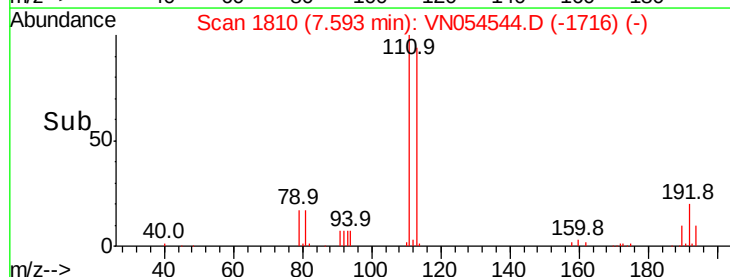
192 20.7 19.2 28.8

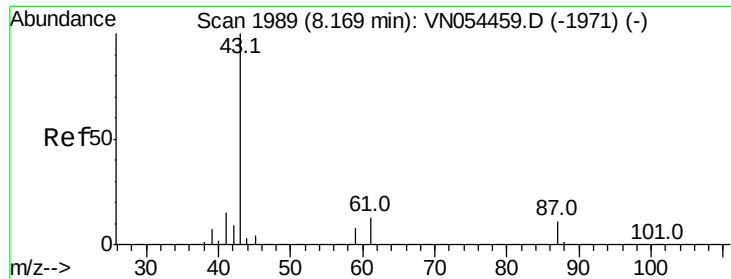


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.658 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

Instrument :

MSVOA\_N

ClientSampled :

S-1(10)

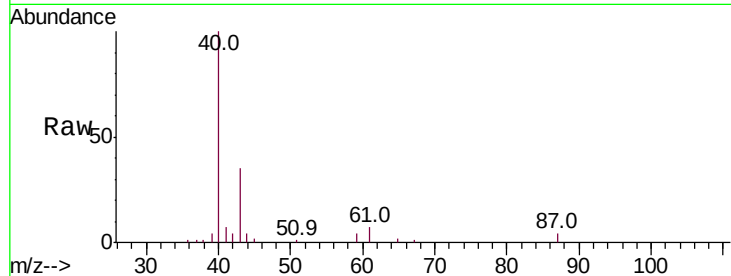
Tot Ion: 43 Resp: 18202

Ion Ratio Lower Upper

43 100

61 18.8 15.8 23.8

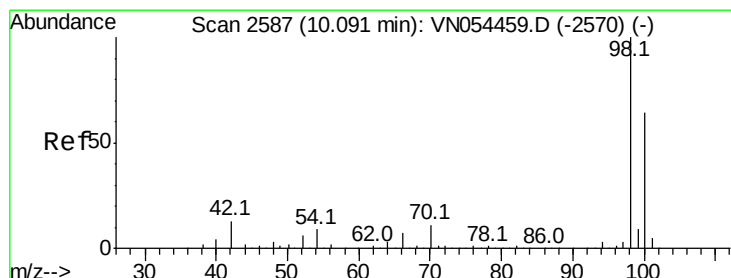
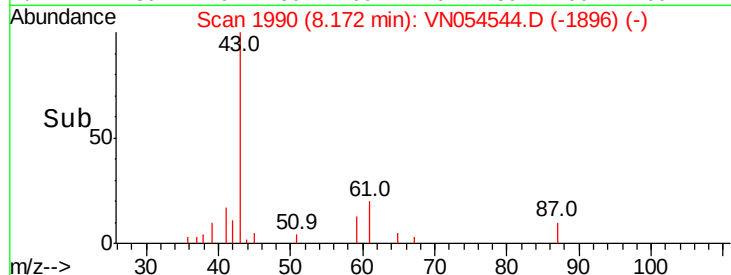
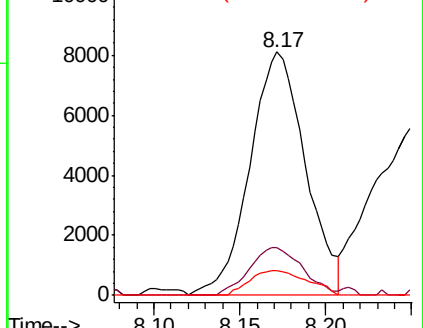
87 10.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.851 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054544.D

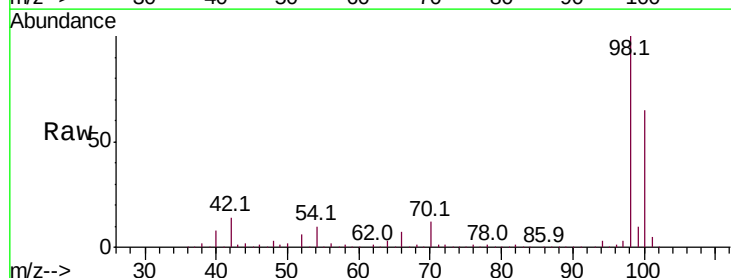
Acq: 22 Mar 2019 7:19

Tgt Ion: 98 Resp: 1156545

Ion Ratio Lower Upper

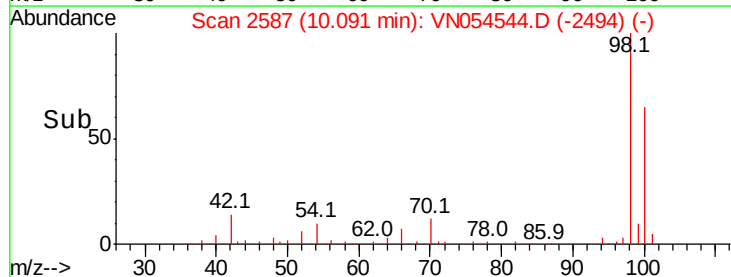
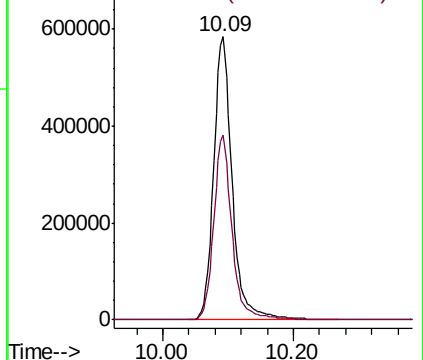
98 100

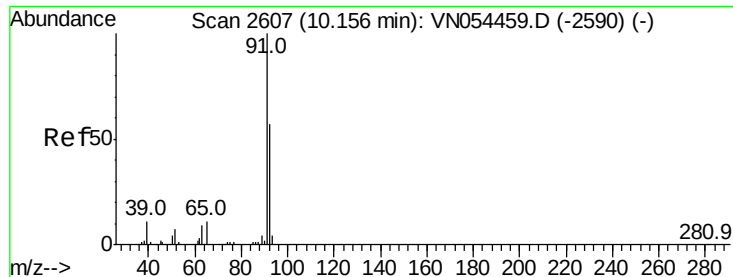
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.444 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

Instrument :

MSVOA\_N

ClientSampled :

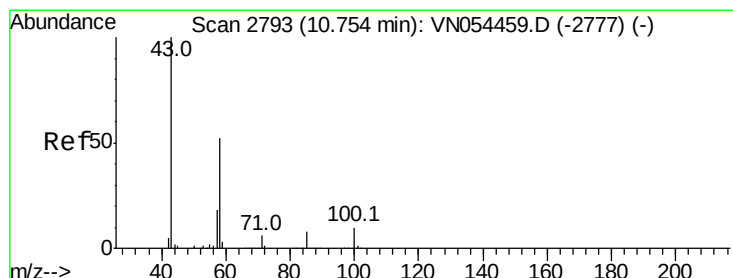
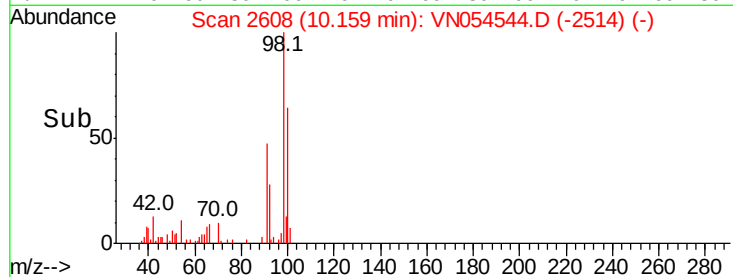
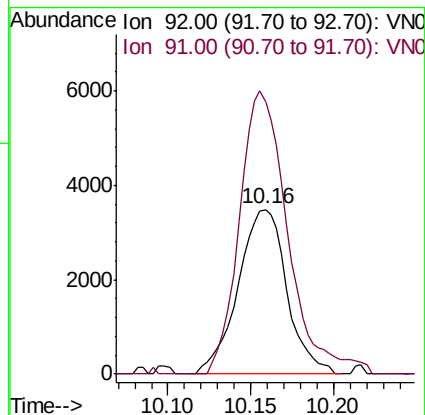
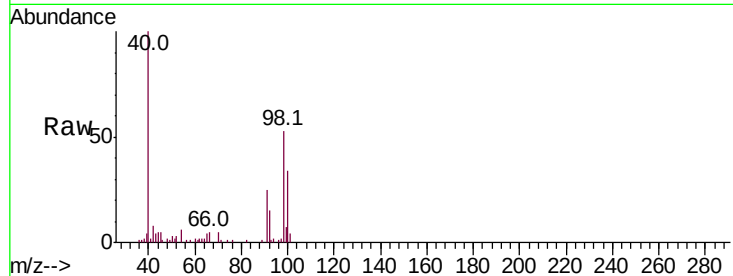
S-1(10)

Tot Ion: 92 Resp: 7138

Ion Ratio Lower Upper

92 100

91 170.6 140.7 211.1



#59

2-Hexanone

Concen: 50.477 ug/l m

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054544.D

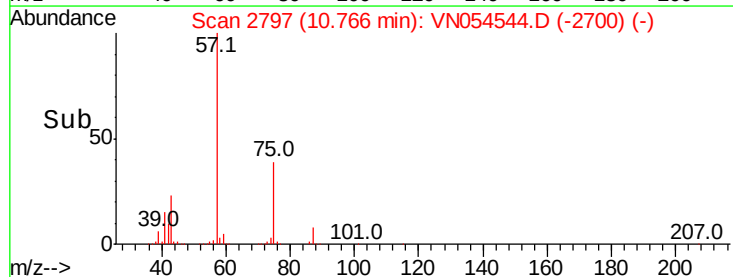
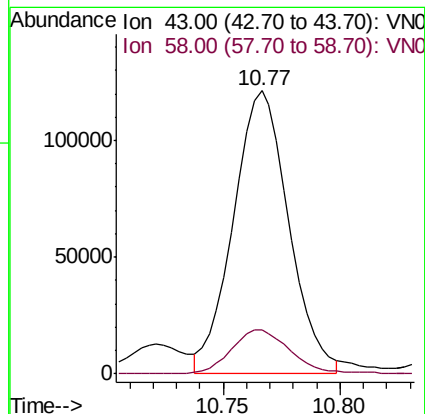
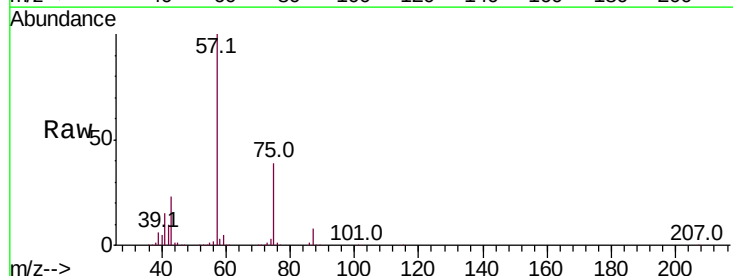
Acq: 22 Mar 2019 7:19

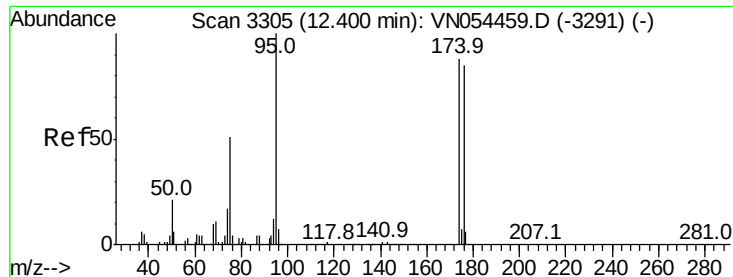
Tgt Ion: 43 Resp: 200604

Ion Ratio Lower Upper

43 100

58 0.0 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 44.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

Instrument :

MSVOA\_N

ClientSampled :

S-1(10)

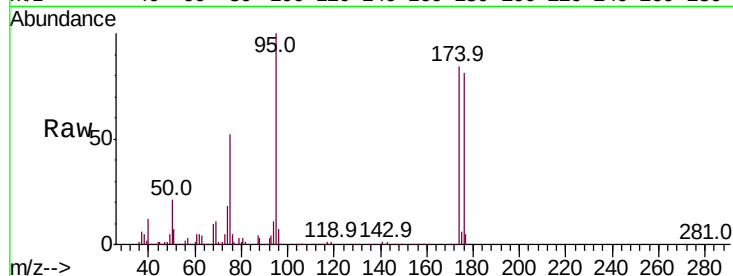
Tot Ion: 95 Resp: 359615

Ion Ratio Lower Upper

95 100

174 83.9 0.0 191.0

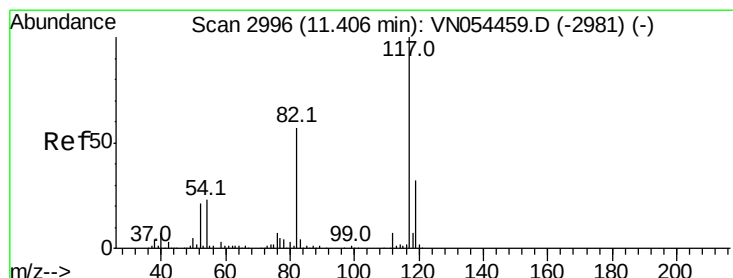
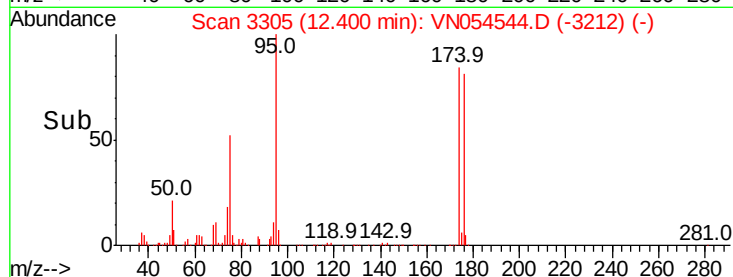
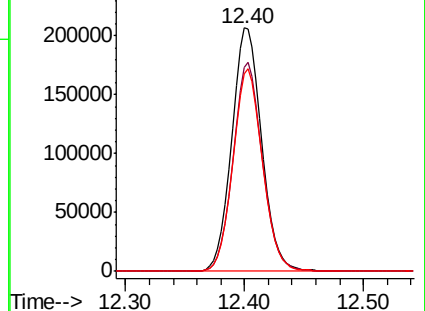
176 82.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

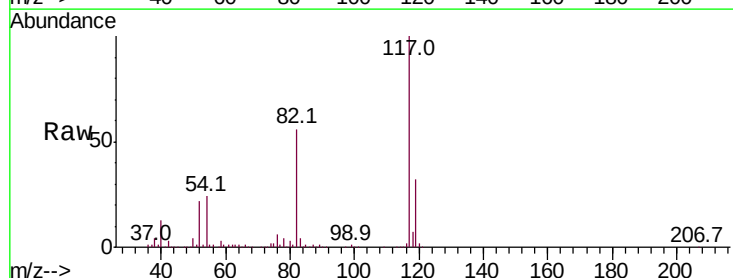
Tgt Ion: 117 Resp: 812849

Ion Ratio Lower Upper

117 100

82 56.0 40.0 60.0

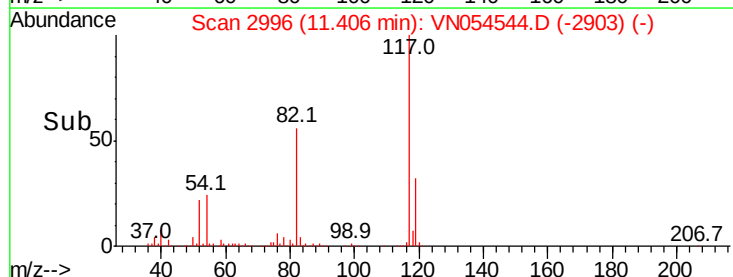
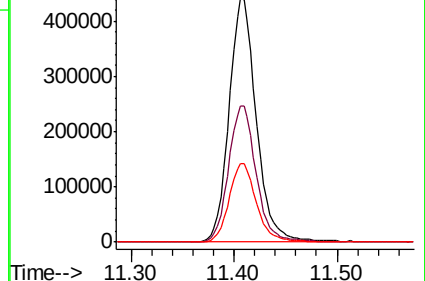
119 32.3 25.8 38.6



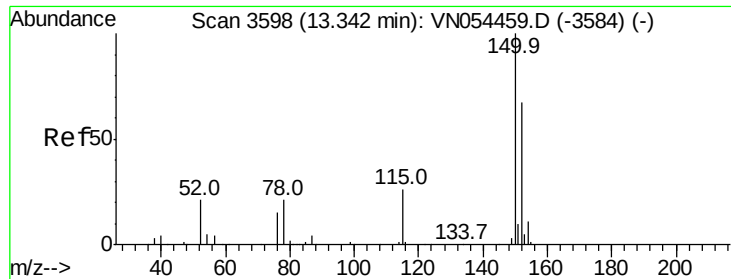
Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054544.D

Acq: 22 Mar 2019 7:19

Instrument :

MSVOA\_N

ClientSampleId :

S-1(10)

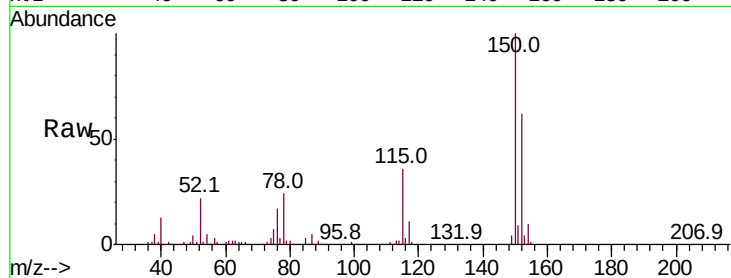
Tot Ion:152 Resp: 301822

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

150 159.9 0.0 349.2



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

