

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\  
 Data File : VN051557.D  
 Acq On : 27 Sep 2018 00:30  
 Operator : MD\SY  
 Sample : J5070-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CS-RT-4005

Quant Time: Sep 27 08:50:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 24 06:41:32 2018  
 Response via : Initial Calibration

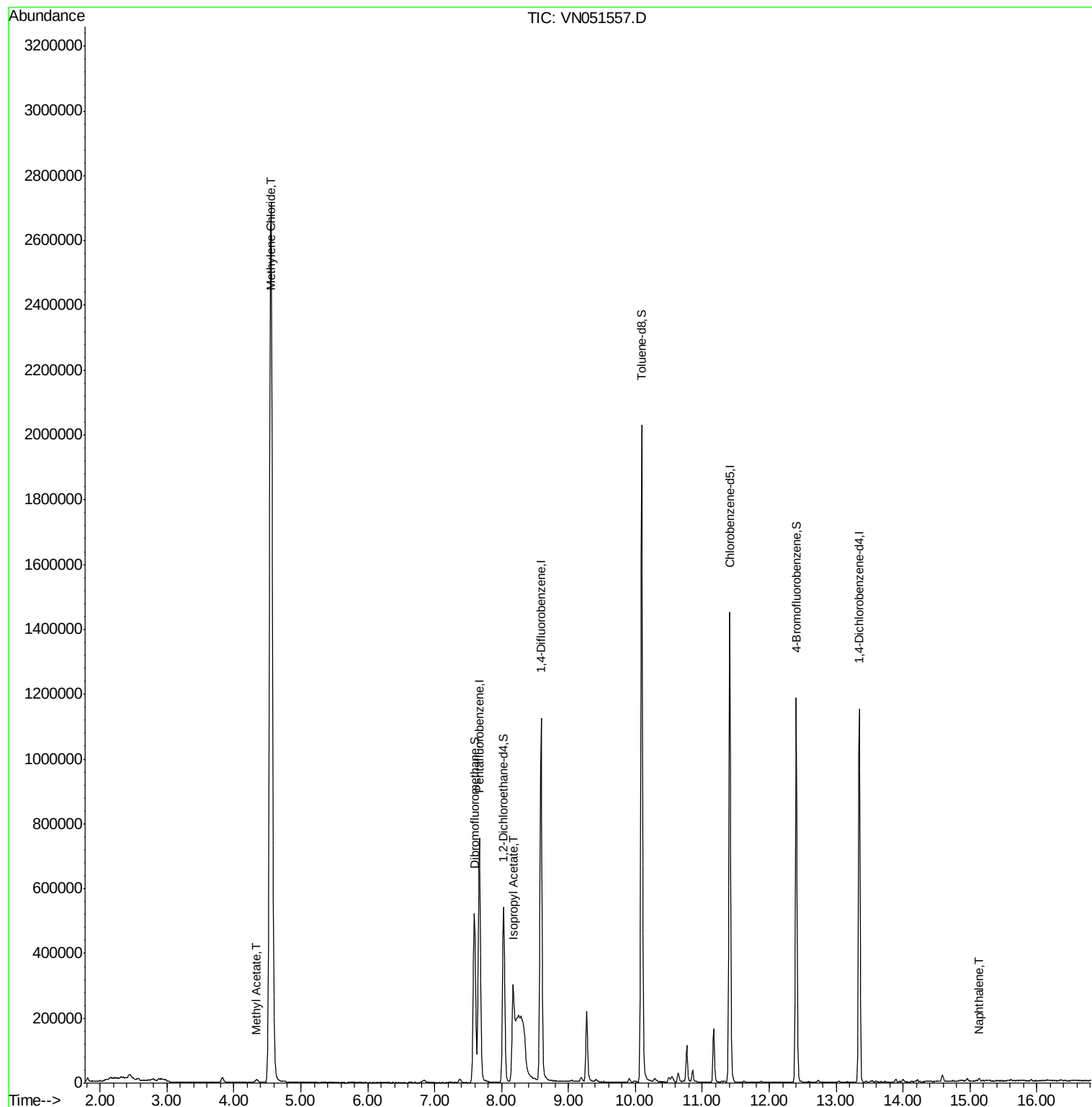
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 634684   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1036145  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 877811   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 327908   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 461496   | 58.05   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 116.10% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 393835   | 47.53   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 95.06%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1429470  | 45.82   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 91.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 396551   | 39.29   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 78.58%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 18) Methyl Acetate          | 4.34  | 43   | 17021    | 2.811   | ug/l    | 93       |
| 20) Methylene Chloride      | 4.55  | 84   | 2035866  | 258.771 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 410762   | 32.927  | ug/l #  | 85       |
| 95) Naphthalene             | 15.13 | 128  | 7456     | 8.557   | ug/l    | 96       |

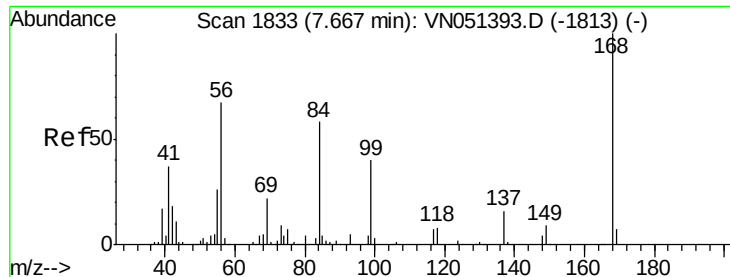
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\  
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Sample : J5070-09  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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CS-RT-4005

Quant Time: Sep 27 08:50:09 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 24 06:41:32 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA\_N

ClientSampled :

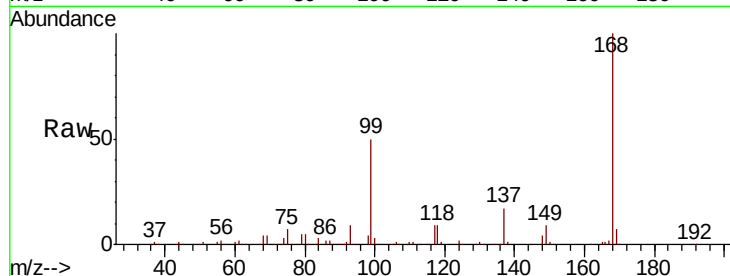
CS-RT-4005

Tot Ion:168 Resp: 634684

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

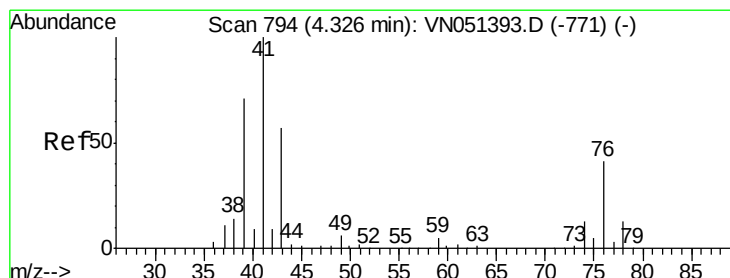
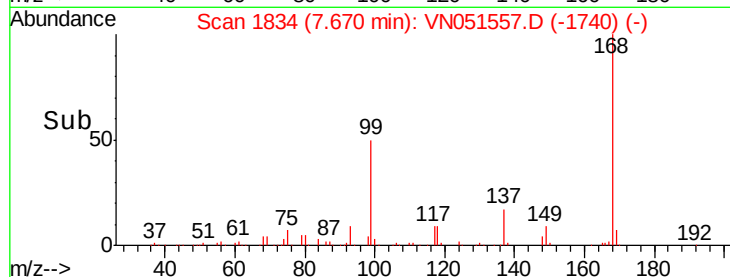
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 2.811 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051557.D

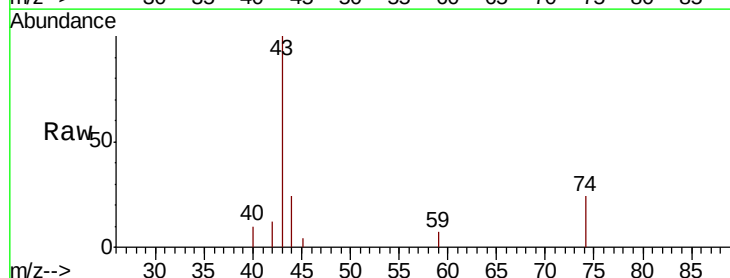
Acq: 27 Sep 2018 00:30

Tgt Ion: 43 Resp: 17021

Ion Ratio Lower Upper

43 100

74 26.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)

4.34

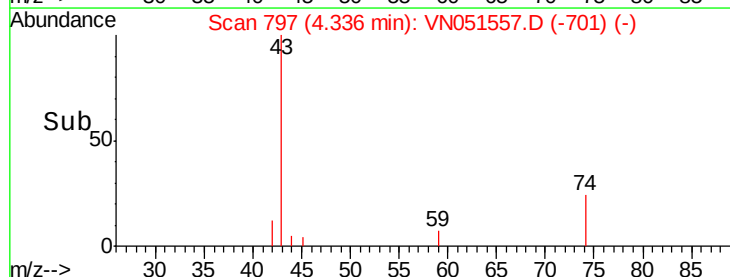
6000

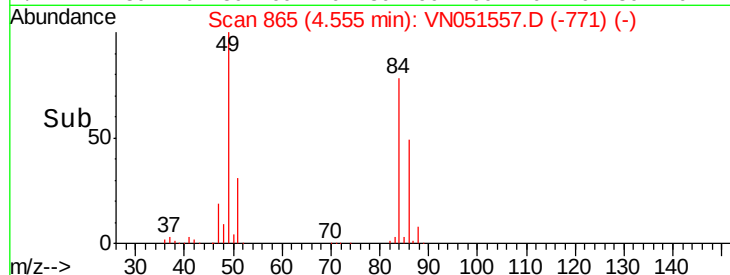
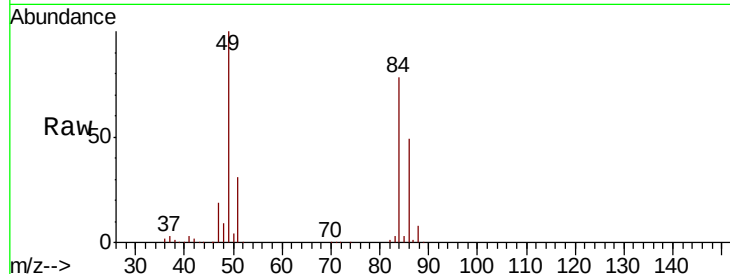
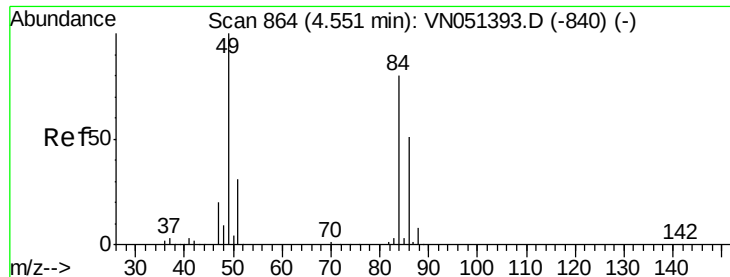
4000

2000

0

Time-->

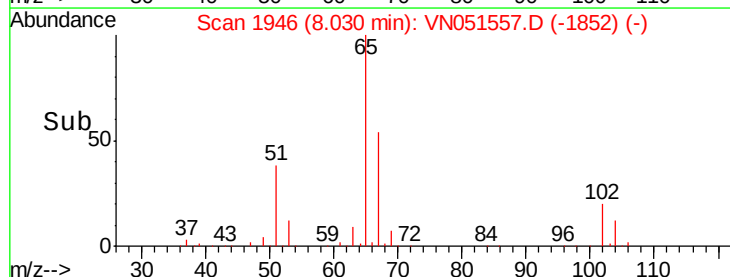
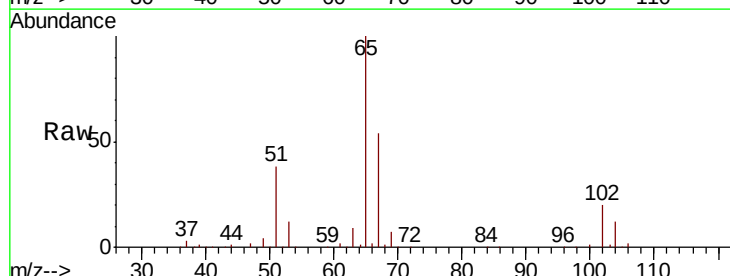
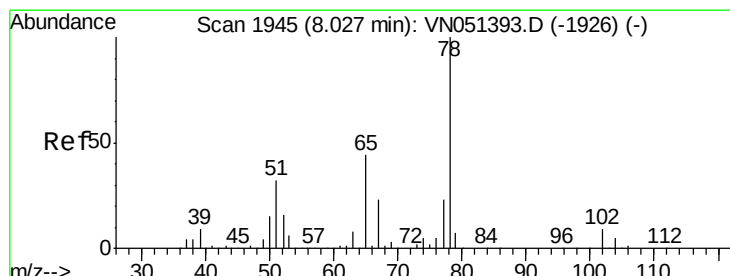
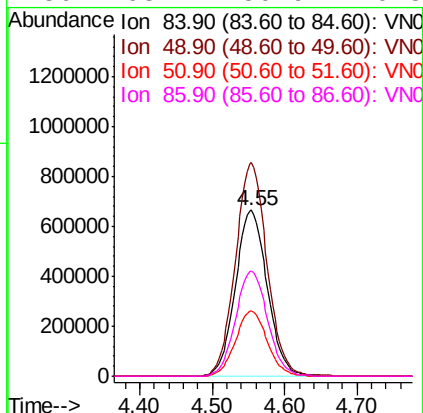




#20  
Methylene Chloride  
Concen: 258.771 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN051557.D  
Acq: 27 Sep 2018 00:30

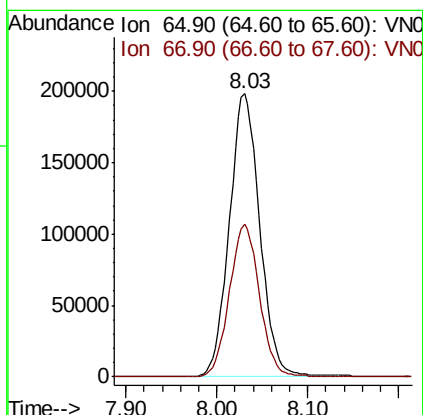
Instrument :  
MSVOA\_N  
ClientSampled :  
CS-RT-4005

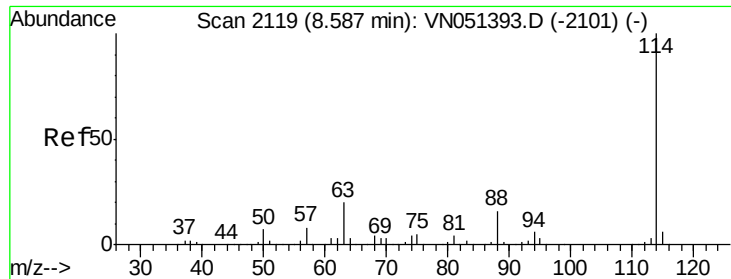
Tot Ion: 84 Resp: 2035866  
Ion Ratio Lower Upper  
84 100  
49 128.8 99.9 149.9  
51 39.4 31.4 47.2  
86 63.7 50.9 76.3



#33  
1,2-Dichloroethane-d4  
Concen: 58.046 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN051557.D  
Acq: 27 Sep 2018 00:30

Tgt Ion: 65 Resp: 461496  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 107.8

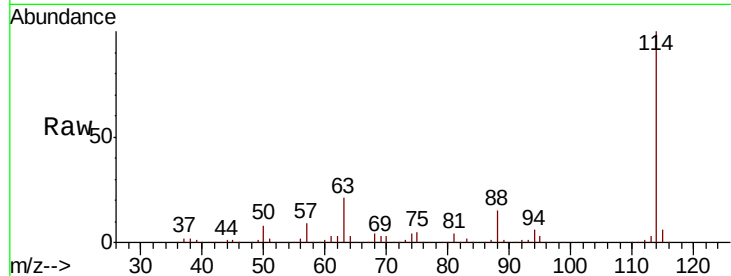




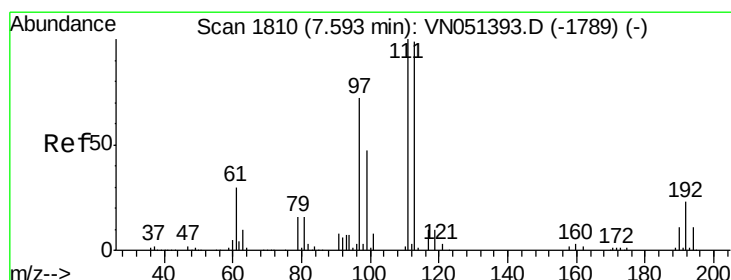
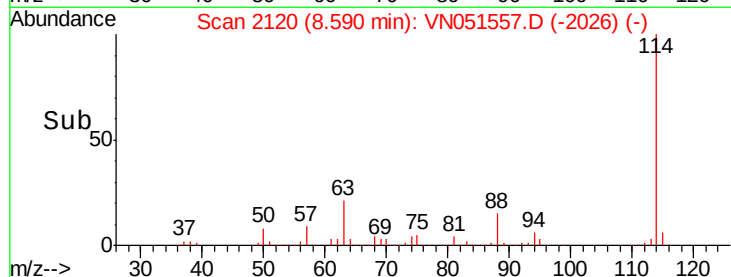
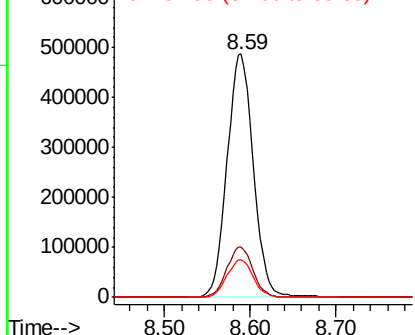
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2120  
 Delta R.T. 0.00 min  
 Lab File: VN051557.D  
 Acq: 27 Sep 2018 00:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CS-RT-4005

Tot Ion:114 Resp: 1036145  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 40.2  
 88 15.5 0.0 31.4

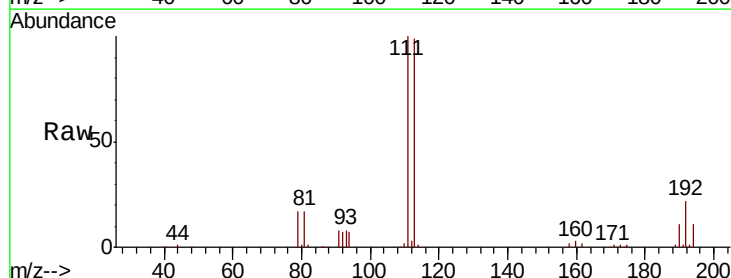


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

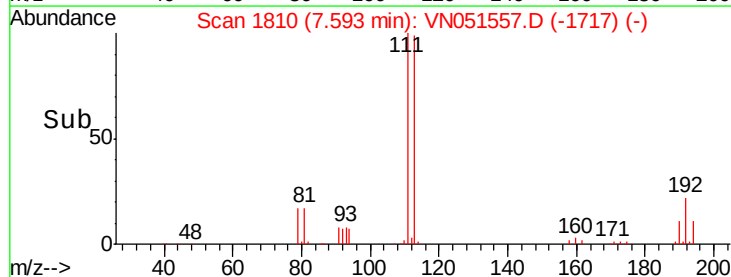
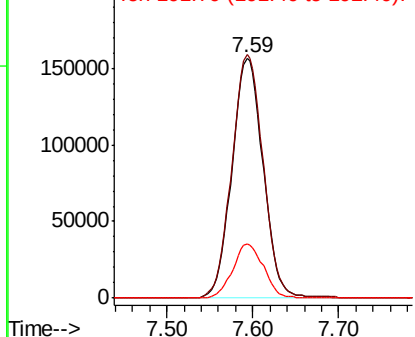


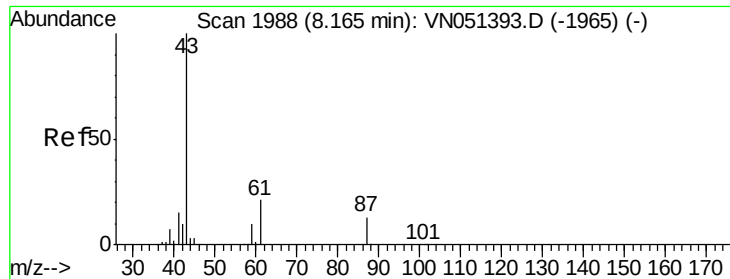
#35  
 Dibromofluoromethane  
 Concen: 47.533 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN051557.D  
 Acq: 27 Sep 2018 00:30

Tgt Ion:113 Resp: 393835  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 82.6 123.8  
 192 22.4 18.0 27.0



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: 32.927 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA\_N

ClientSampled :

CS-RT-4005

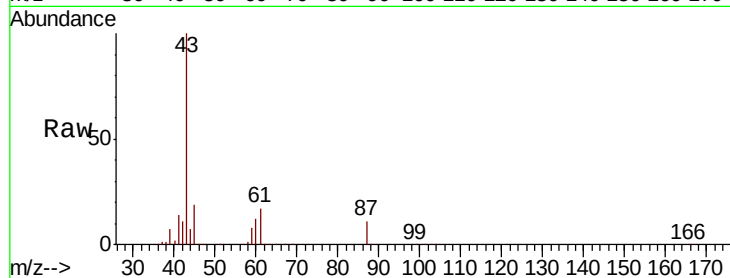
Tot Ion: 43 Resp: 410762

Ion Ratio Lower Upper

43 100

61 13.2 16.8 25.2#

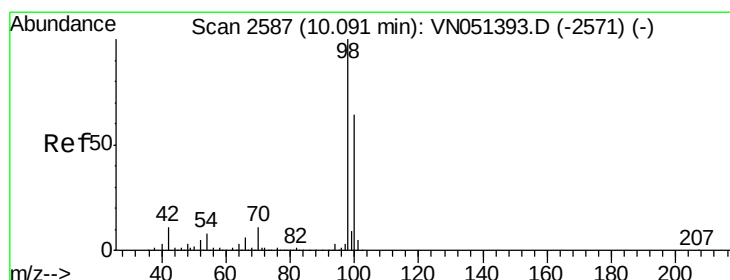
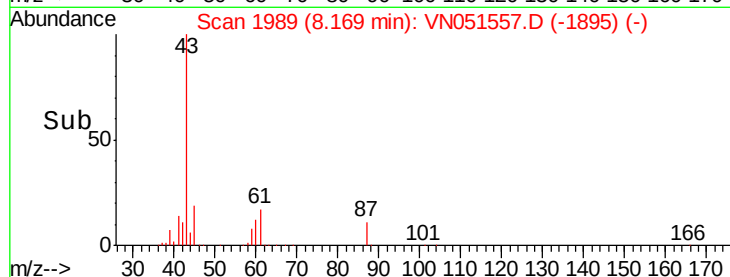
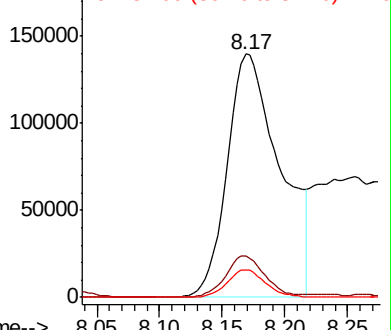
87 8.2 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#50

Toluene-d8

Concen: 45.816 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051557.D

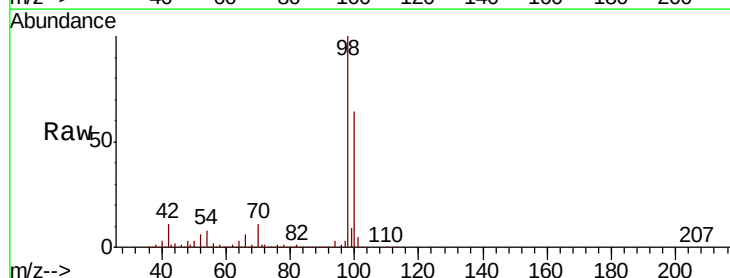
Acq: 27 Sep 2018 00:30

Tgt Ion: 98 Resp: 1429470

Ion Ratio Lower Upper

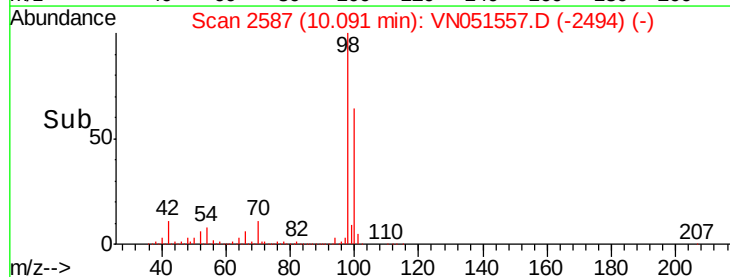
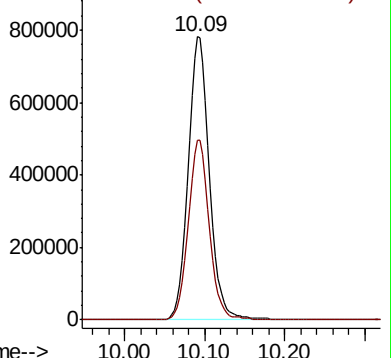
98 100

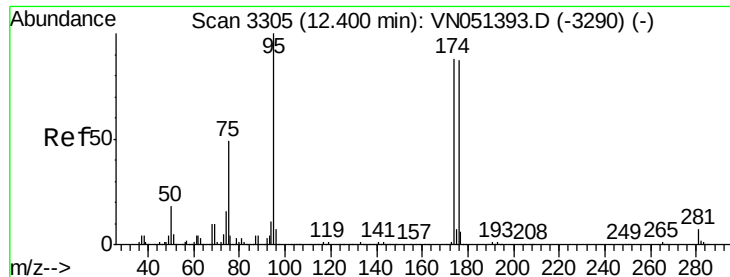
100 63.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

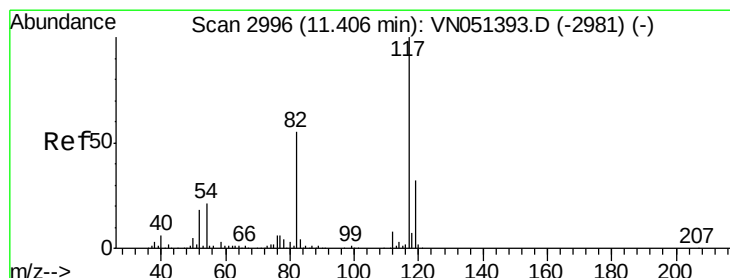
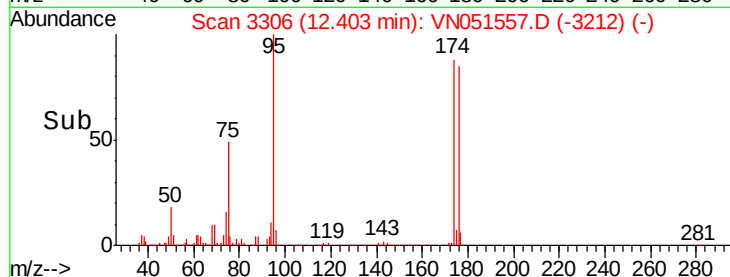
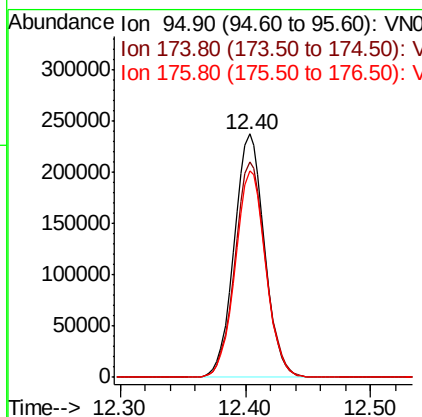
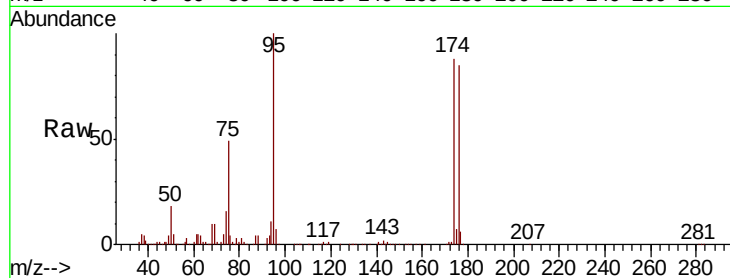




#62  
4-Bromofluorobenzene  
Concen: 39.288 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051557.D  
Acq: 27 Sep 2018 00:30

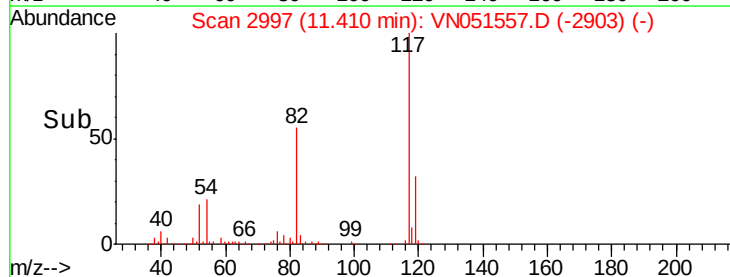
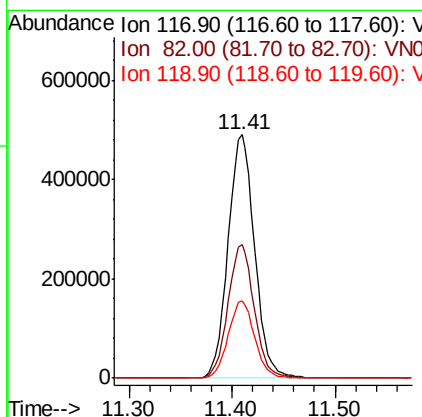
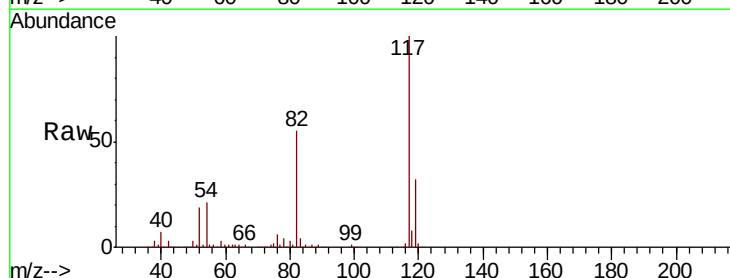
Instrument :  
MSVOA\_N  
ClientSampled :  
CS-RT-4005

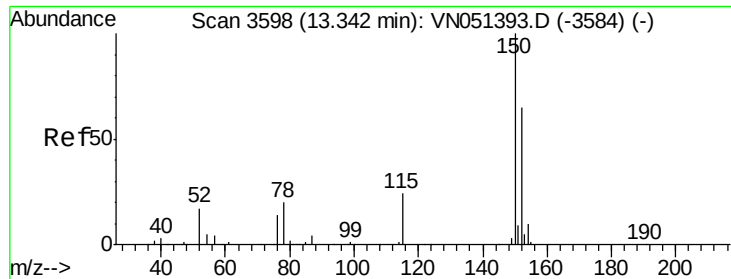
Tot Ion: 95 Resp: 396551  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 181.6  
176 85.5 0.0 176.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051557.D  
Acq: 27 Sep 2018 00:30

Tgt Ion: 117 Resp: 877811  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.2 66.2  
119 31.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA\_N

ClientSampleId :

CS-RT-4005

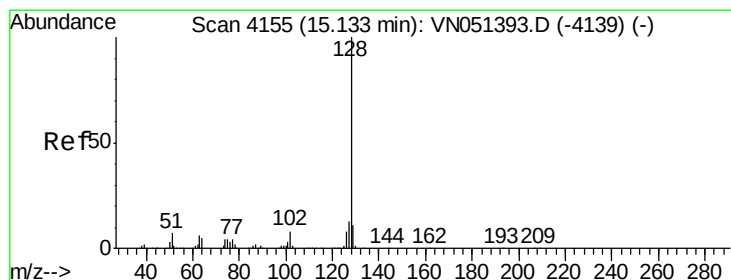
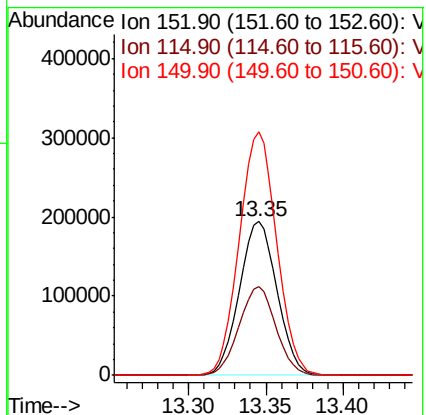
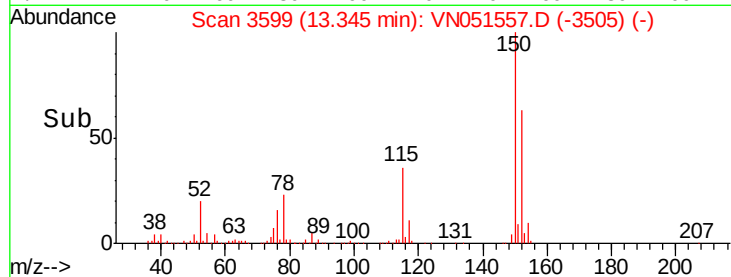
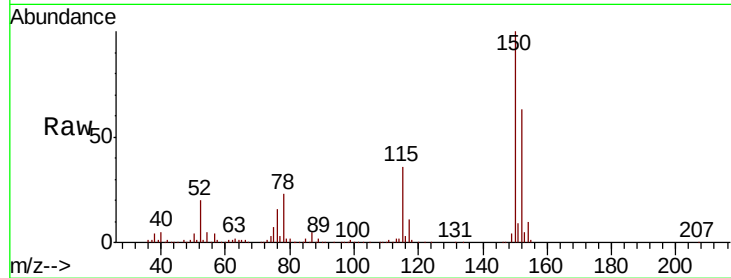
Tot Ion:152 Resp: 327908

Ion Ratio Lower Upper

152 100

115 56.5 28.3 84.9

150 157.6 0.0 353.6



#95

Naphthalene

Concen: 8.557 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Tgt Ion:128 Resp: 7456

Ion Ratio Lower Upper

128 100

127 11.1 10.5 15.7

129 11.6 8.6 12.8

