

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\  
 Data File : VN052033.D  
 Acq On : 26 Oct 2018 17:27  
 Operator : MD\SY  
 Sample : PB114195ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114195ZHE#10

Quant Time: Oct 27 00:40:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

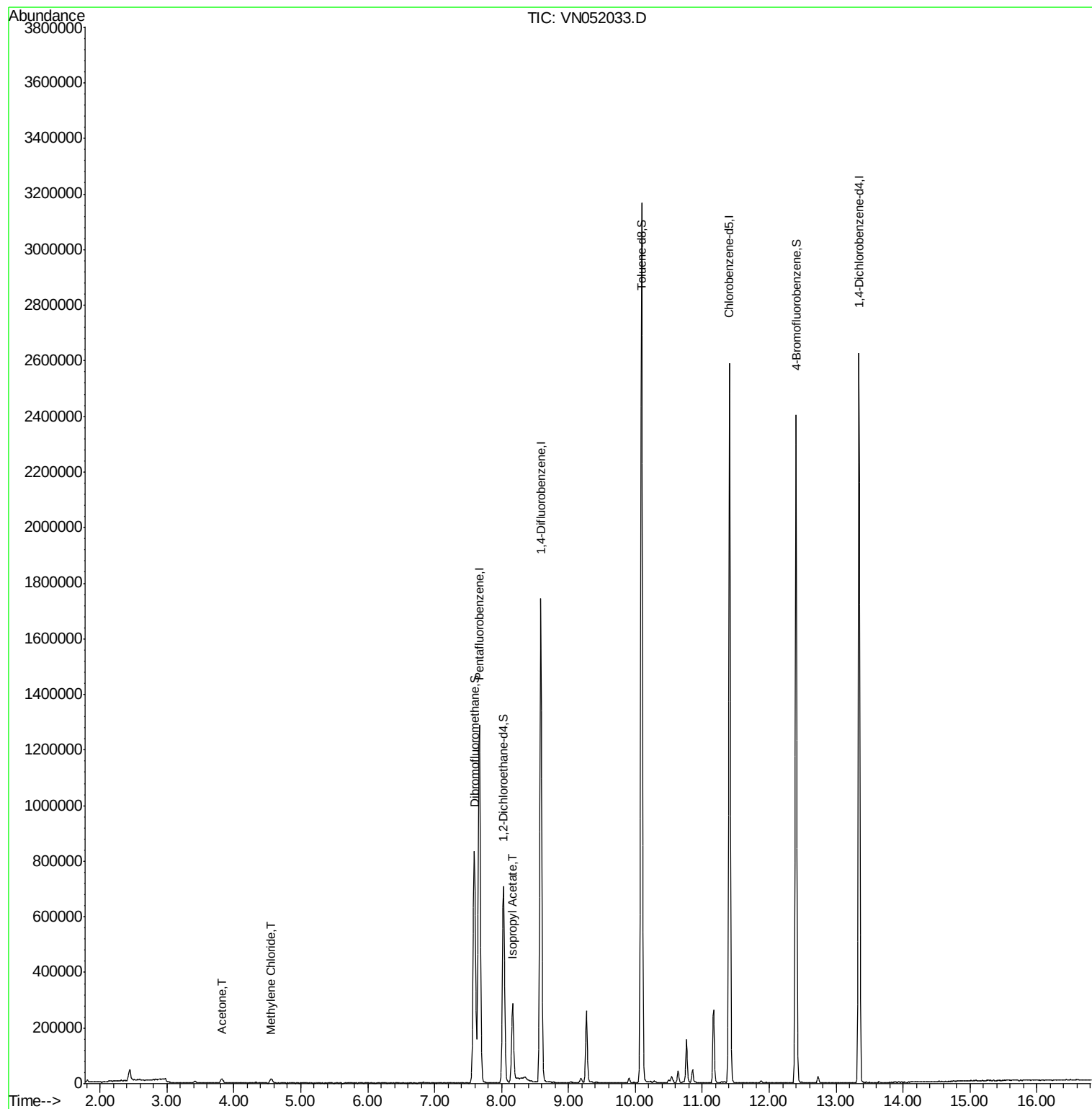
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1191596  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1732515  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1643339  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 765890   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 593282   | 55.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.80% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 637577   | 57.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.34% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2356916  | 59.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.00% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 756821   | 55.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.24% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 27292    | 15.609 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.55  | 84   | 12425    | 1.211  | ug/l    | 87       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 323732   | 29.086 | ug/l    | 98       |

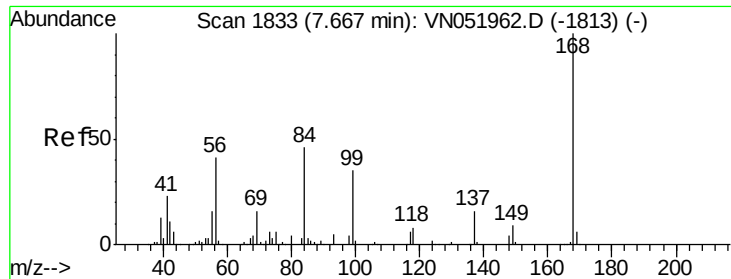
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 24 10:12:55 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA\_N

ClientSampleId :

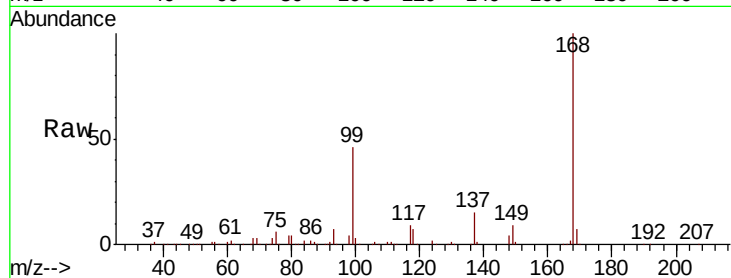
PB114195ZHE#10

Tot Ion:168 Resp: 1191596

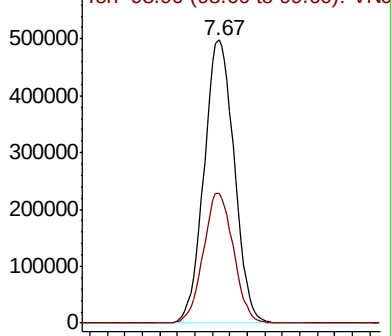
Ion Ratio Lower Upper

168 100

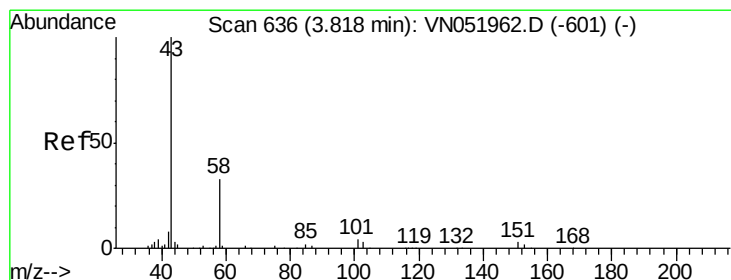
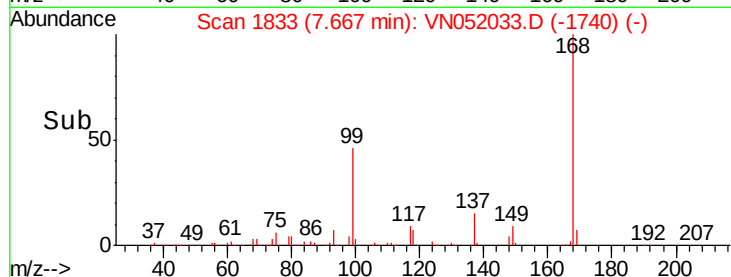
99 45.8 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)



Time-->



#16

Acetone

Concen: 15.609 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052033.D

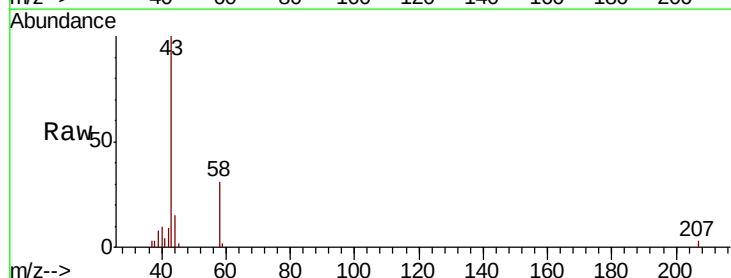
Acq: 26 Oct 2018 17:27

Tgt Ion: 43 Resp: 27292

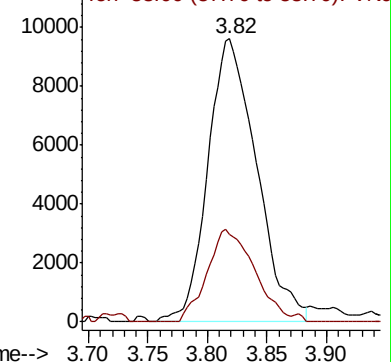
Ion Ratio Lower Upper

43 100

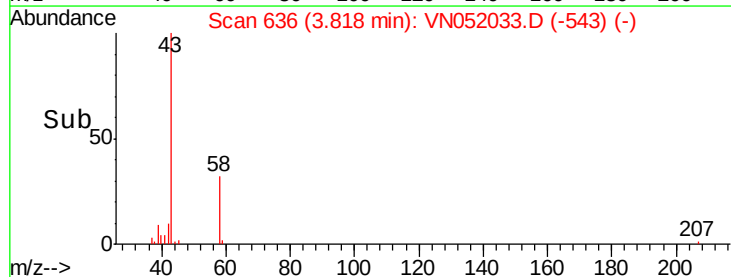
58 31.1 26.7 40.1

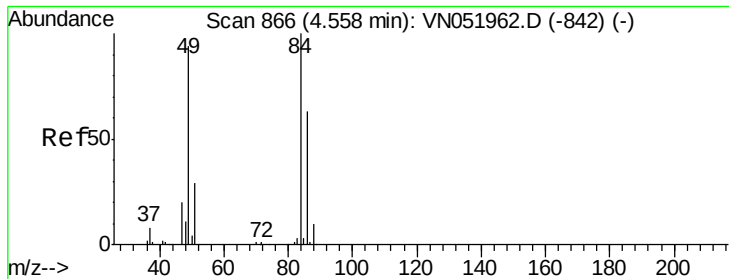


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)



Time-->

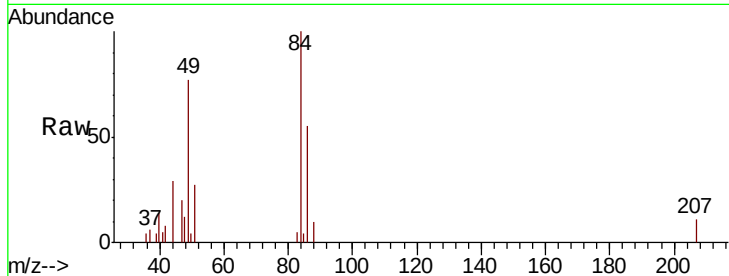




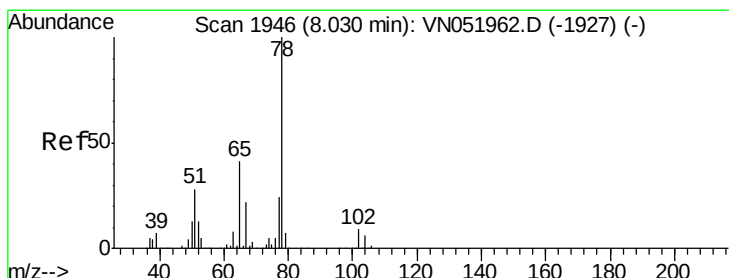
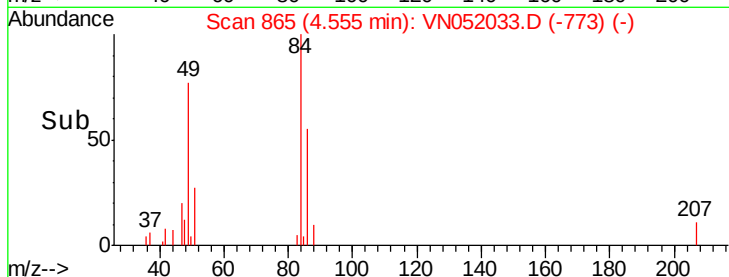
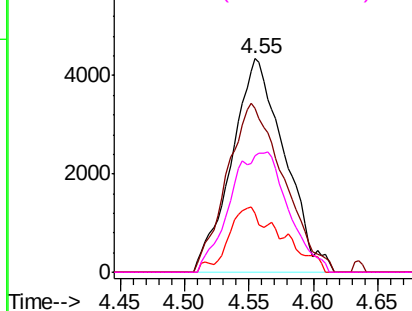
#20  
Methvlene Chloride  
Concen: 1.211 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN052033.D  
Acq: 26 Oct 2018 17:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114195ZHE#10

Tot Ion: 84 Resp: 12425  
Ion Ratio Lower Upper  
84 100  
49 77.0 75.4 113.0  
51 27.4 23.1 34.7  
86 54.7 50.2 75.4

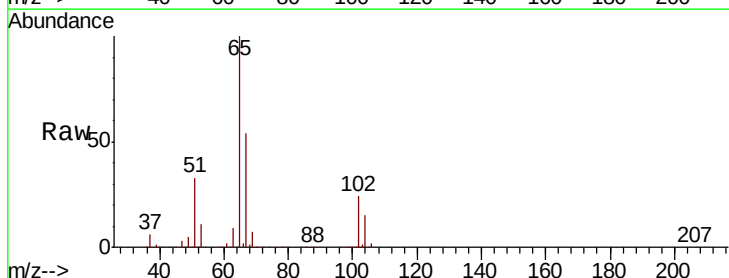


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

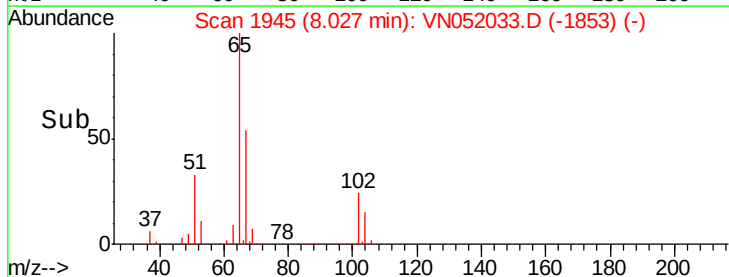
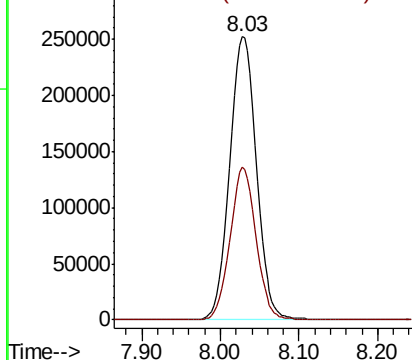


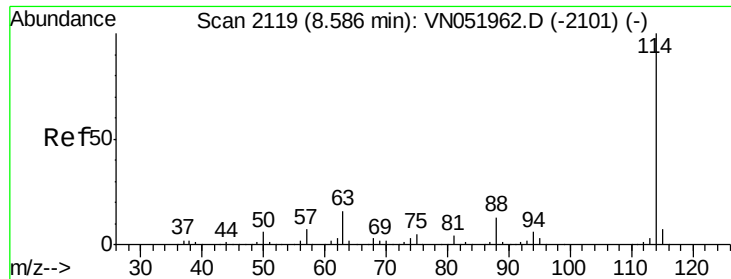
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN052033.D  
Acq: 26 Oct 2018 17:27

Tgt Ion: 65 Resp: 593282  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

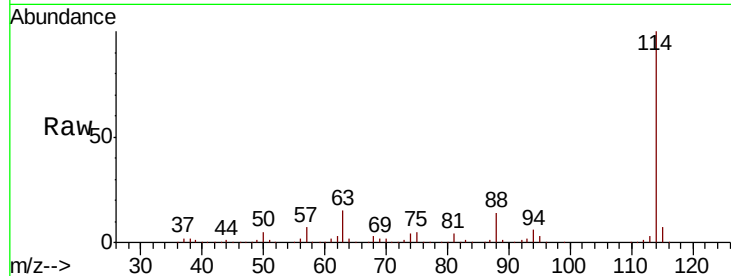




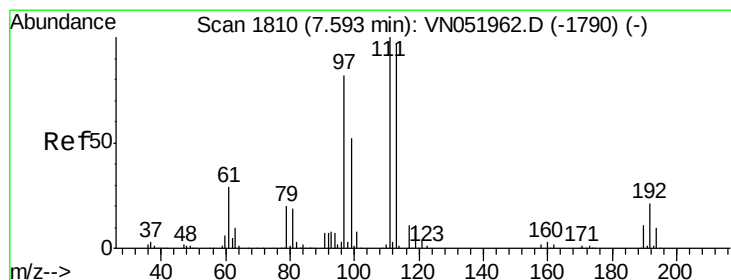
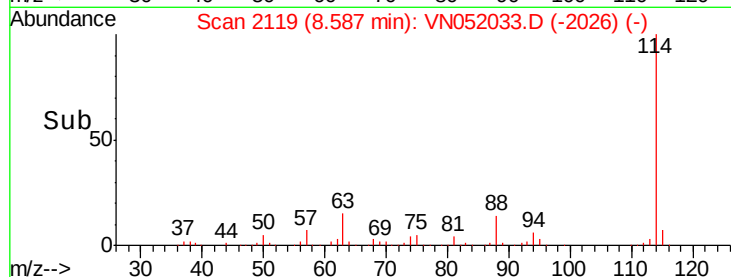
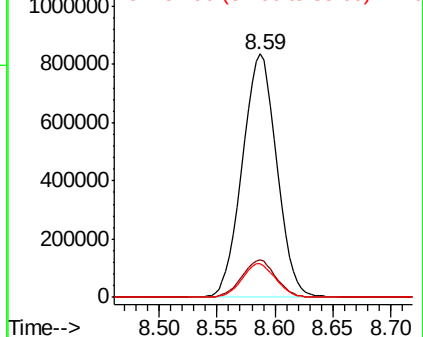
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN052033.D  
Acq: 26 Oct 2018 17:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114195ZHE#10

Tot Ion:114 Resp: 1732515  
Ion Ratio Lower Upper  
114 100  
63 15.5 0.0 31.2  
88 13.7 0.0 27.0

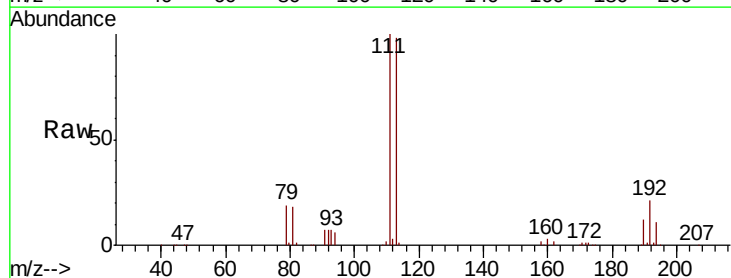


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

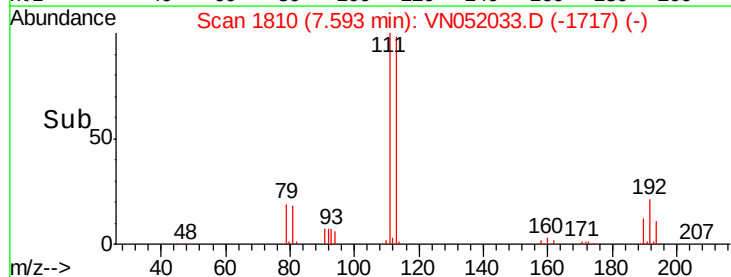
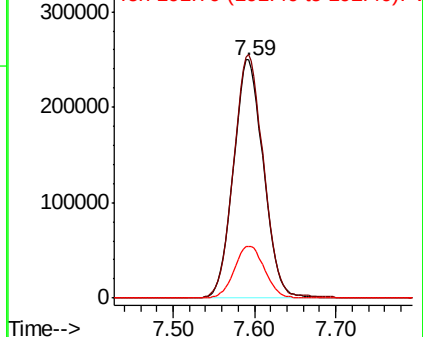


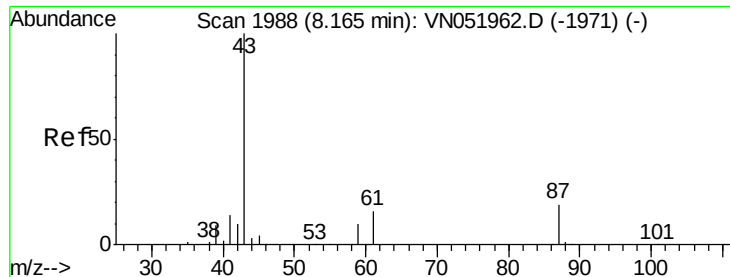
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN052033.D  
Acq: 26 Oct 2018 17:27

Tgt Ion:113 Resp: 637577  
Ion Ratio Lower Upper  
113 100  
111 102.2 80.7 121.1  
192 22.1 17.2 25.8



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: 29.086 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA\_N

ClientSampleId :

PB114195ZHE#10

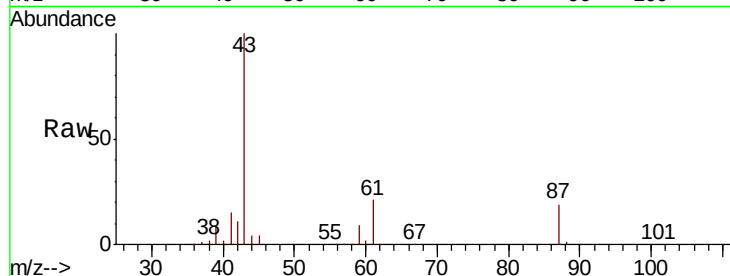
Tot Ion: 43 Resp: 323732

Ion Ratio Lower Upper

43 100

61 20.9 17.2 25.8

87 17.9 15.2 22.8

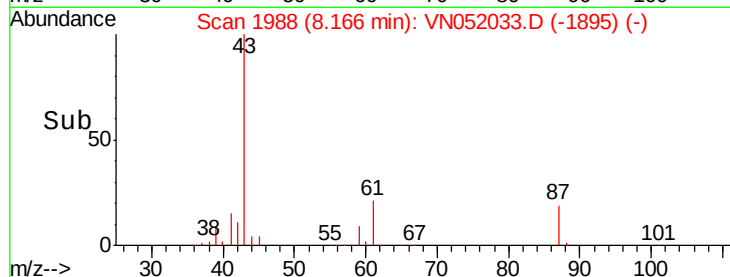


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

Time-->



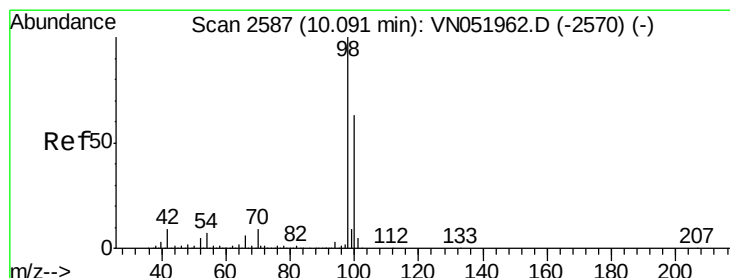
Abundance

Ion 43.00 (42.70 to 43.70): VN052033.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN052033.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN052033.D (-1895) (-)

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052033.D

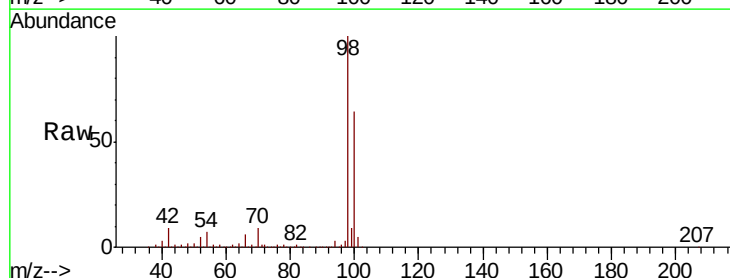
Acq: 26 Oct 2018 17:27

Tgt Ion: 98 Resp: 2356916

Ion Ratio Lower Upper

98 100

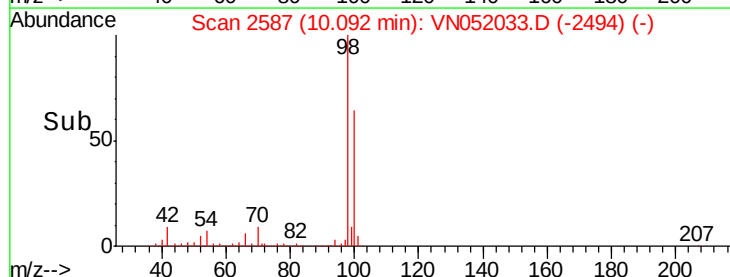
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)

Time-->

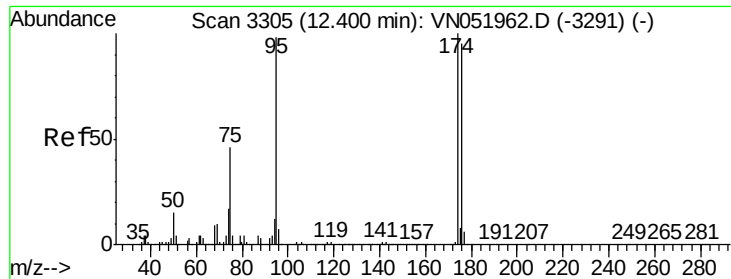


Abundance

Ion 98.00 (97.70 to 98.70): VN052033.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052033.D (-2494) (-)

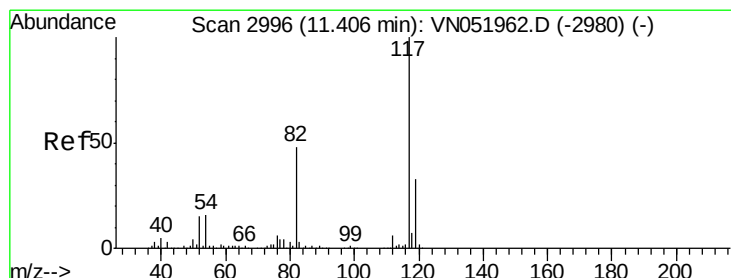
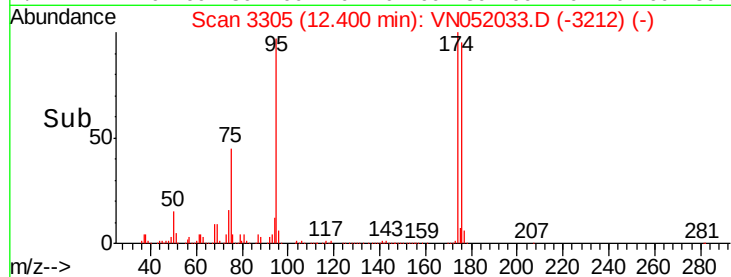
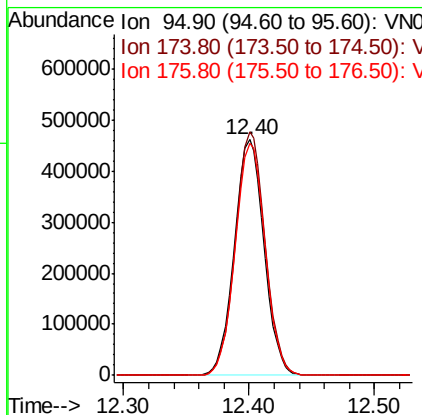
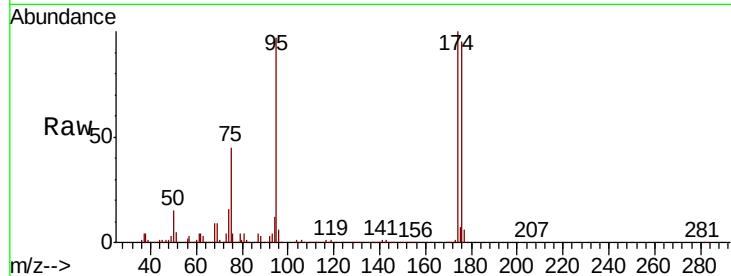
Time-->



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052033.D  
Acq: 26 Oct 2018 17:27

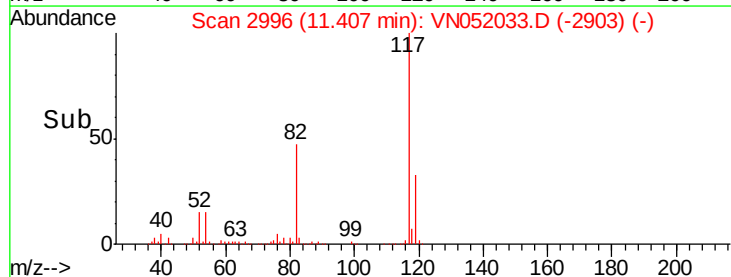
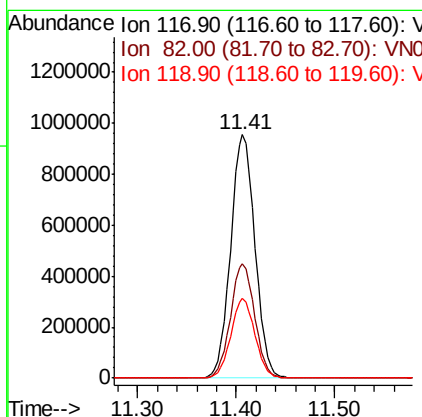
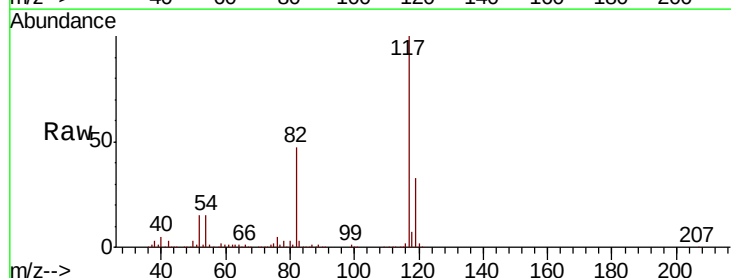
Instrument :  
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PB114195ZHE#10

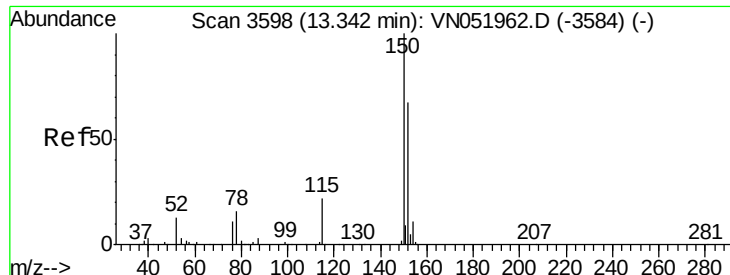
Tot Ion: 95 Resp: 756821  
Ion Ratio Lower Upper  
95 100  
174 103.4 0.0 206.0  
176 99.4 0.0 198.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052033.D  
Acq: 26 Oct 2018 17:27

Tgt Ion: 117 Resp: 1643339  
Ion Ratio Lower Upper  
117 100  
82 46.8 38.1 57.1  
119 32.5 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052033.D

Acq: 26 Oct 2018 17:27

Instrument :

MSVOA\_N

ClientSampleId :

PB114195ZHE#10

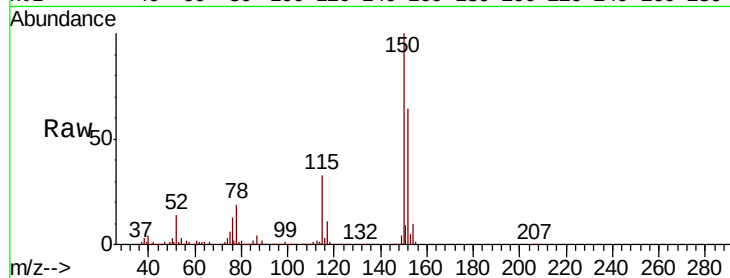
Tot Ion:152 Resp: 765890

Ion Ratio Lower Upper

152 100

115 52.6 25.8 77.3

150 157.6 0.0 344.4



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

