

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\  
 Data File : VN060150.D  
 Acq On : 19 Feb 2020 13:01  
 Operator : JC/MD  
 Sample : PB126910ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126910ZHE#02

Quant Time: Feb 20 02:59:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

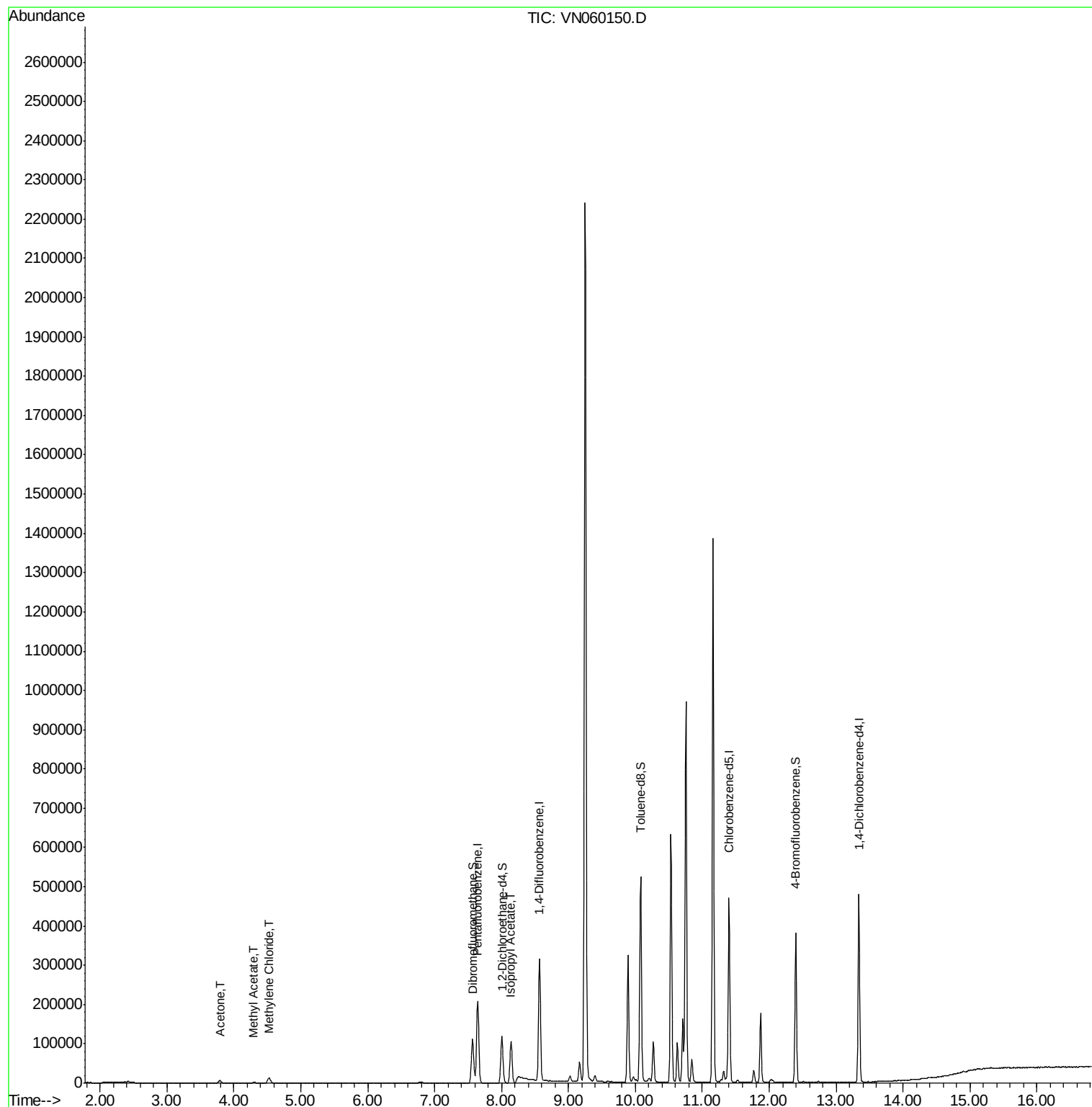
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 178039   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 280724   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 271413   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 126620   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 104715   | 48.34  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.68%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 83954    | 48.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.30%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 342274   | 50.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.74% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 127117   | 50.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.82% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 11347    | 12.008 | ug/l    | 96       |
| 18) Methyl Acetate          | 4.29  | 43   | 3802     | 2.142  | ug/l #  | 54       |
| 20) Methylene Chloride      | 4.53  | 84   | 11024    | 5.847  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 125186   | 31.163 | ug/l #  | 90       |

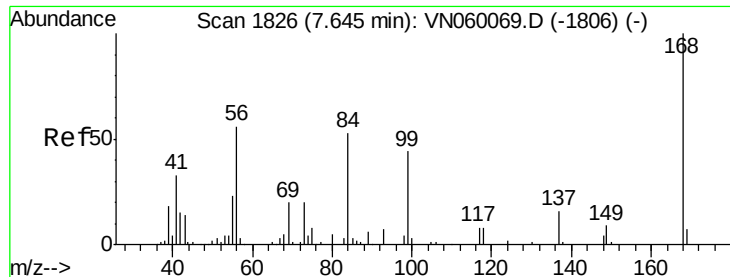
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021920\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060150.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA\_N

ClientSampleId :

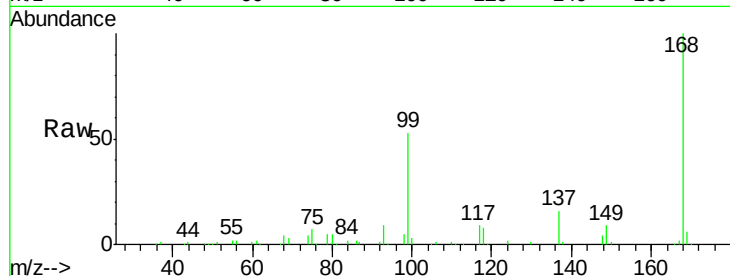
PB126910ZHE#02

Tot Ion:168 Resp: 178039

Ion Ratio Lower Upper

168 100

99 53.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

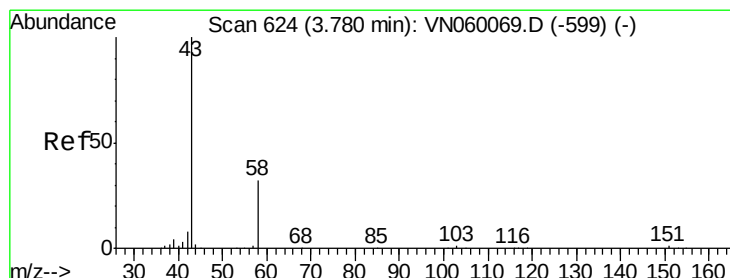
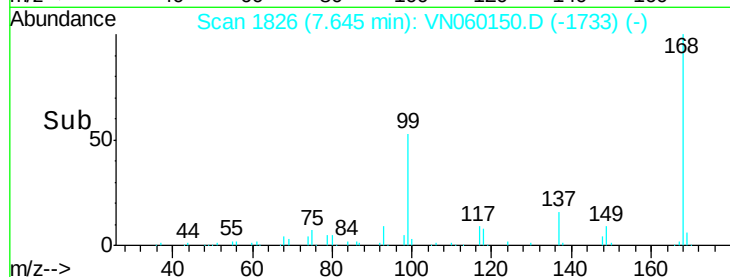
40000

20000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 12.008 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060150.D

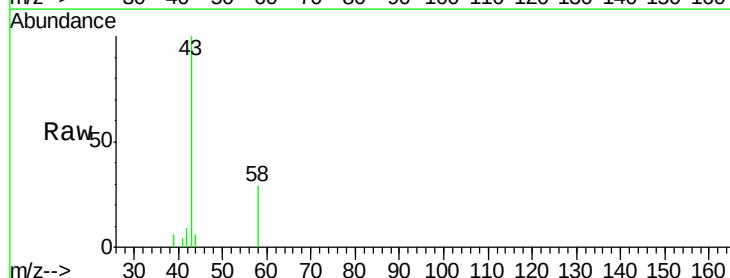
Acq: 19 Feb 2020 13:01

Tgt Ion: 43 Resp: 11347

Ion Ratio Lower Upper

43 100

58 29.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

4000

3000

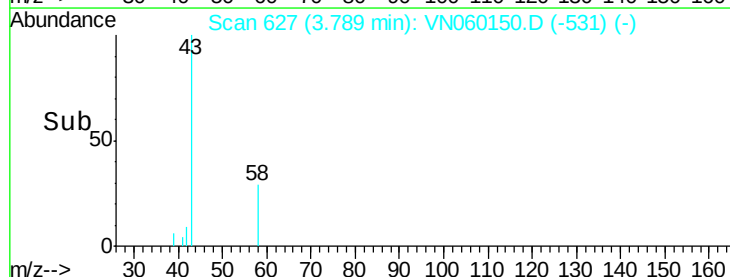
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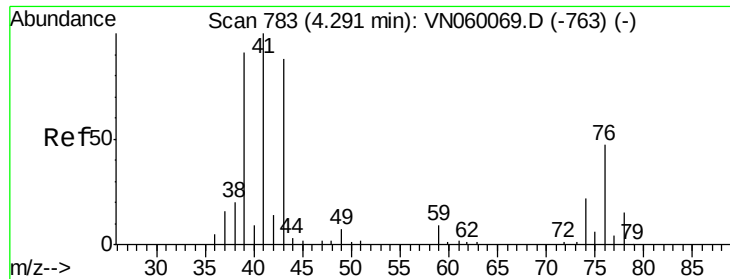
1000

0

3.70 3.80 3.90

Time-->

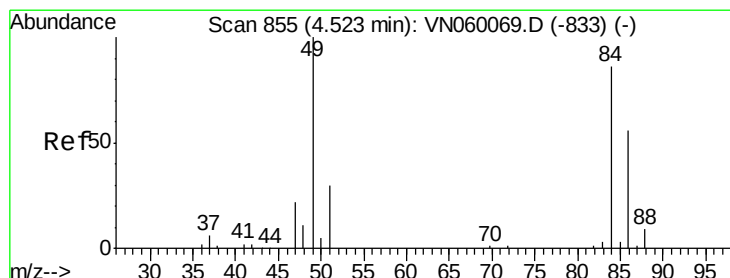
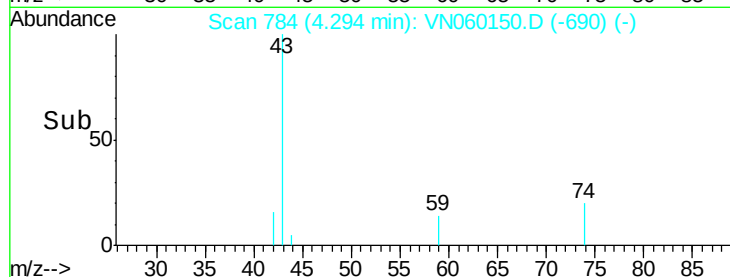
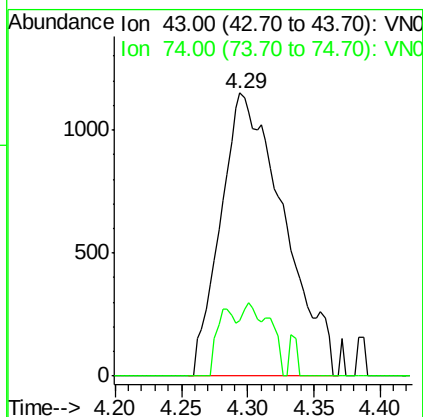
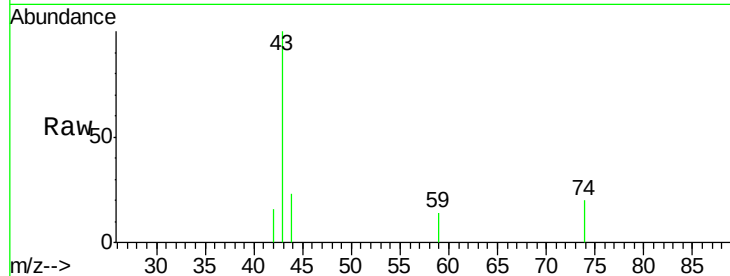




#18  
Methyl Acetate  
Concen: 2.142 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. 0.00 min  
Lab File: VN060150.D  
Acq: 19 Feb 2020 13:01

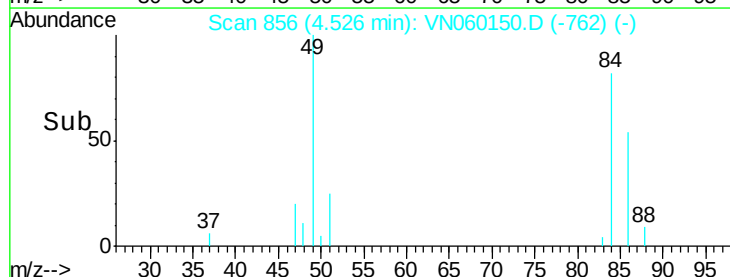
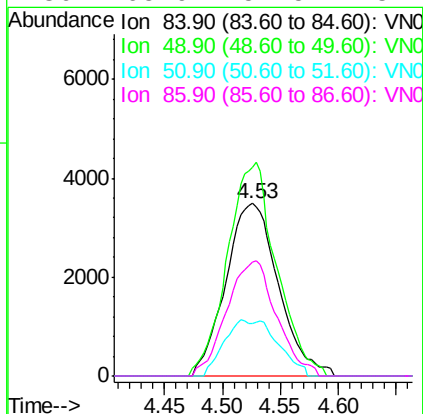
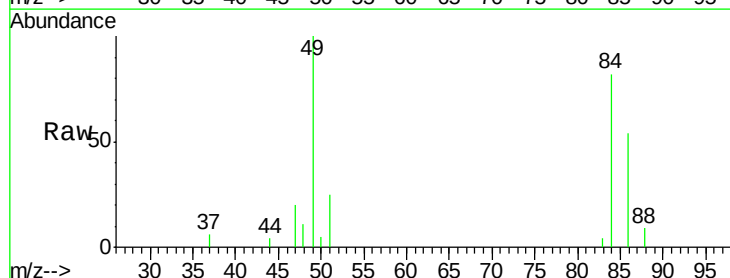
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB126910ZHE#02

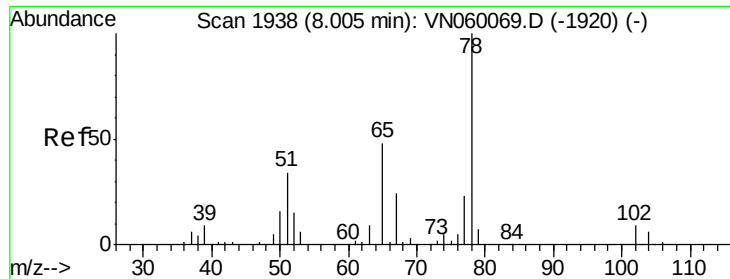
Tot Ion: 43 Resp: 3802  
Ion Ratio Lower Upper  
43 100  
74 2.1 20.3 30.5#



#20  
Methylene Chloride  
Concen: 5.847 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: VN060150.D  
Acq: 19 Feb 2020 13:01

Tgt Ion: 84 Resp: 11024  
Ion Ratio Lower Upper  
84 100  
49 121.2 93.4 140.0  
51 30.6 28.4 42.6  
86 65.9 52.5 78.7

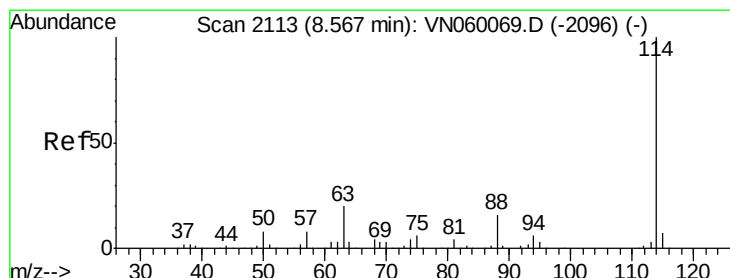
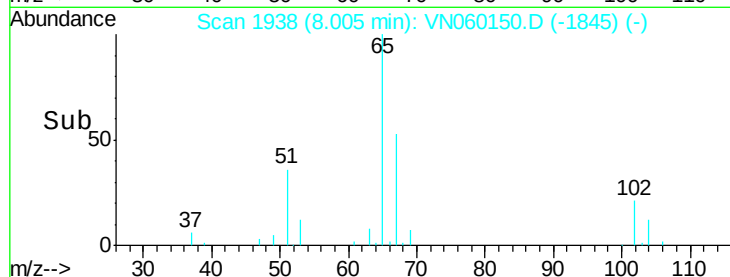
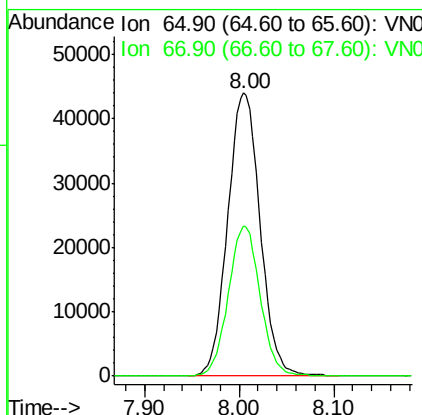
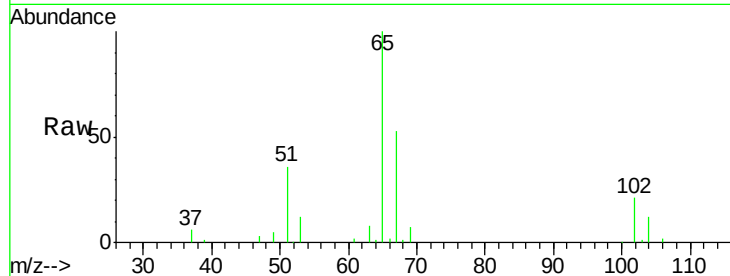




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.335 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN060150.D  
 Acq: 19 Feb 2020 13:01

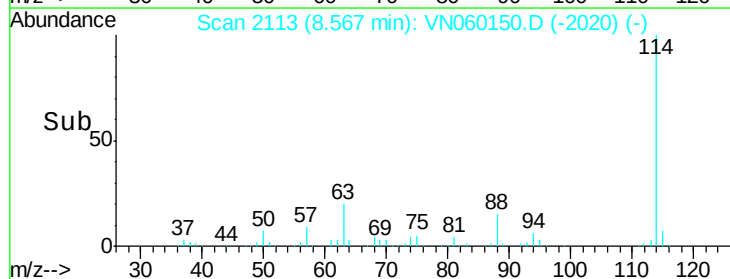
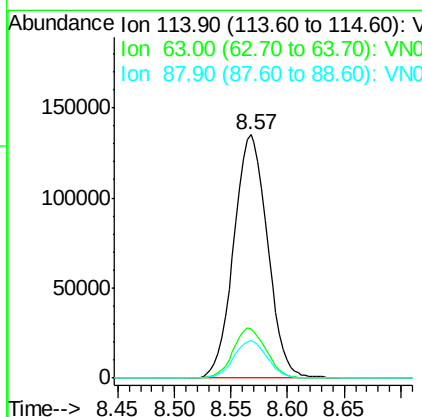
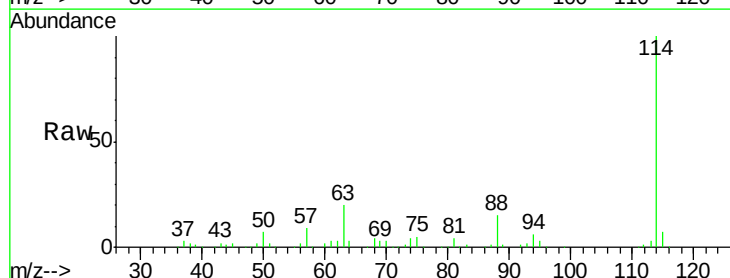
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126910ZHE#02

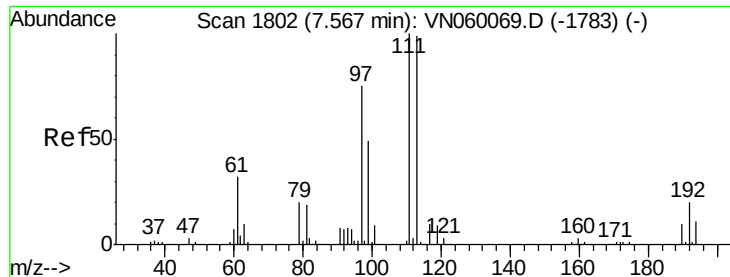
Tot Ion: 65 Resp: 104715  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060150.D  
 Acq: 19 Feb 2020 13:01

Tgt Ion: 114 Resp: 280724  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 40.0  
 88 15.4 0.0 31.6

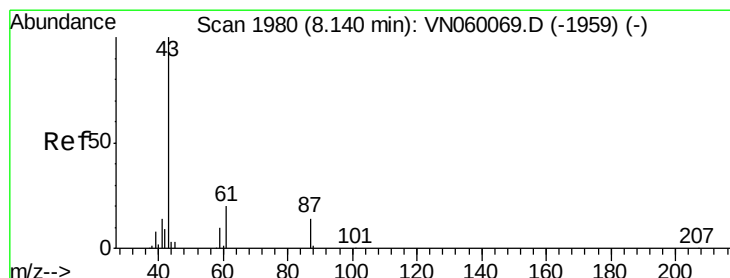
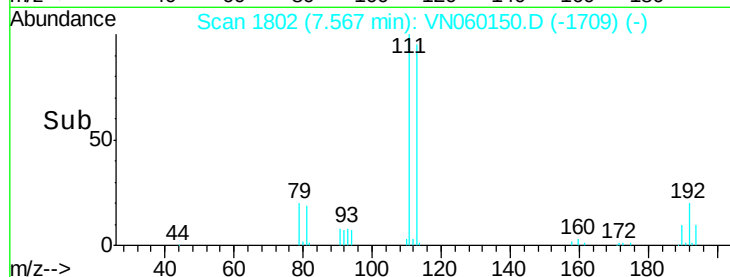
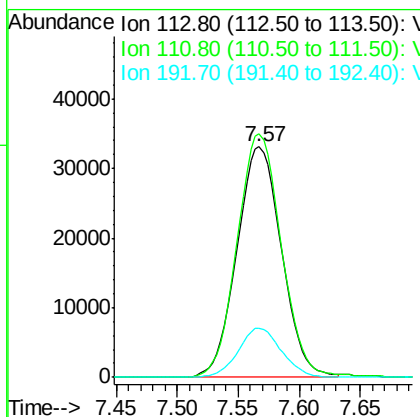
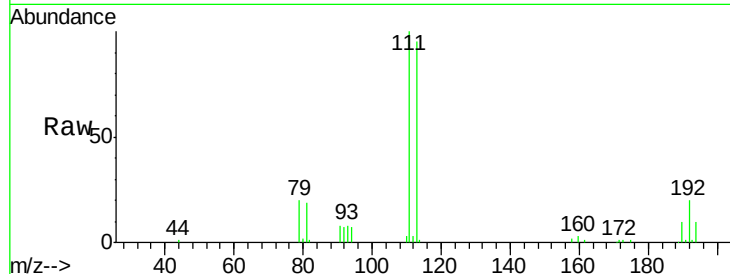




#35  
 Dibromofluoromethane  
 Concen: 48.652 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN060150.D  
 Acq: 19 Feb 2020 13:01

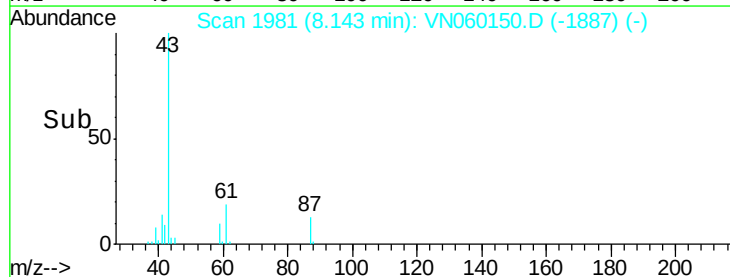
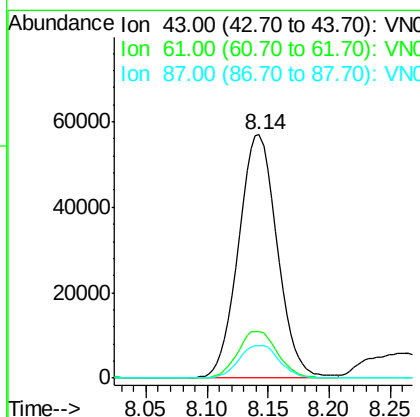
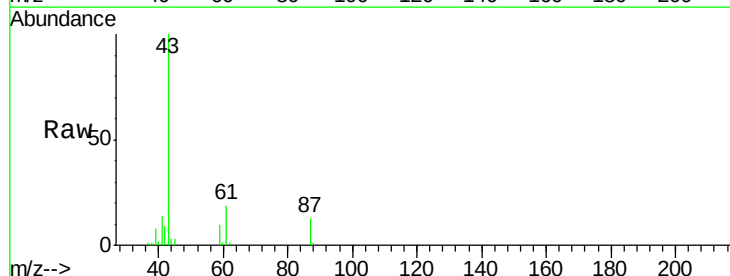
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126910ZHE#02

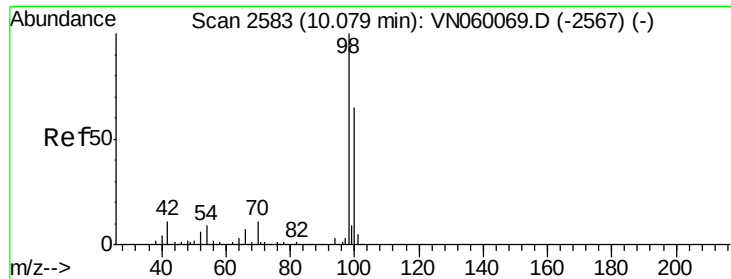
Tot Ion:113 Resp: 83954  
 Ion Ratio Lower Upper  
 113 100  
 111 105.0 81.4 122.2  
 192 20.6 16.2 24.2



#43  
 Isopropyl Acetate  
 Concen: 31.163 ug/l  
 RT: 8.14 min Scan# 1981  
 Delta R.T. 0.00 min  
 Lab File: VN060150.D  
 Acq: 19 Feb 2020 13:01

Tgt Ion: 43 Resp: 125186  
 Ion Ratio Lower Upper  
 43 100  
 61 19.6 21.8 32.6#  
 87 13.8 11.4 17.2





#50

Toluene-d8

Concen: 50.369 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060150.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA\_N

ClientSampleId :

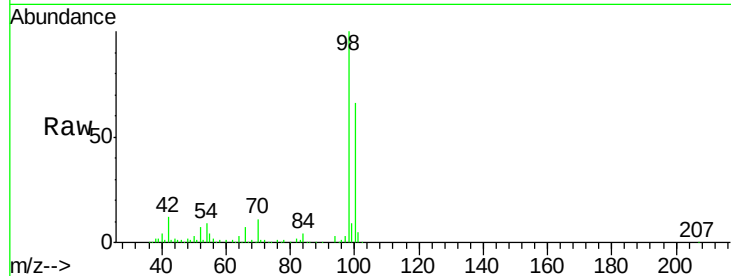
PB126910ZHE#02

Tot Ion: 98 Resp: 342274

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

200000

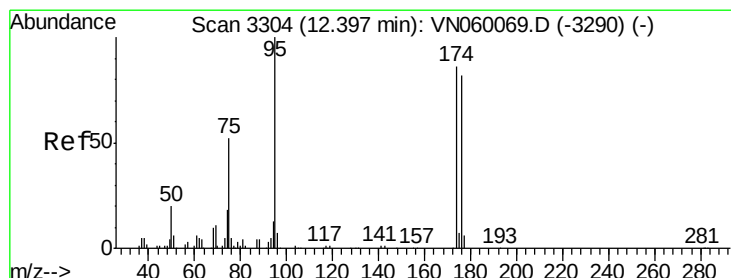
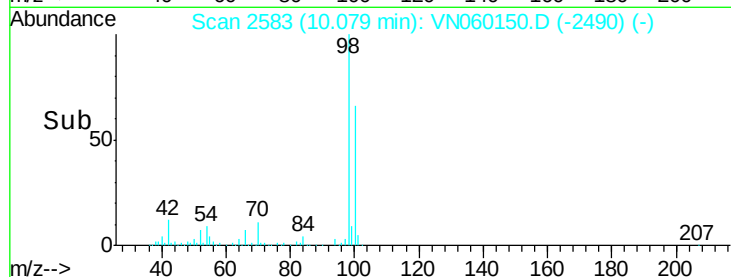
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.908 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060150.D

Acq: 19 Feb 2020 13:01

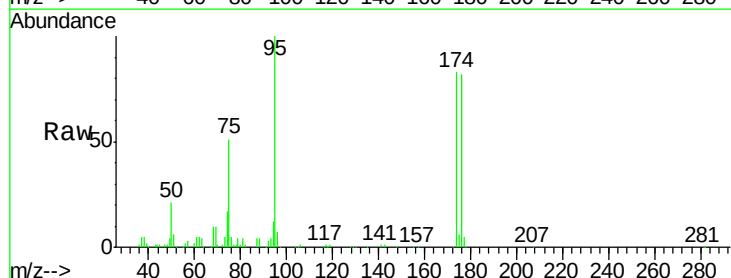
Tgt Ion: 95 Resp: 127117

Ion Ratio Lower Upper

95 100

174 85.0 0.0 169.8

176 82.0 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

80000

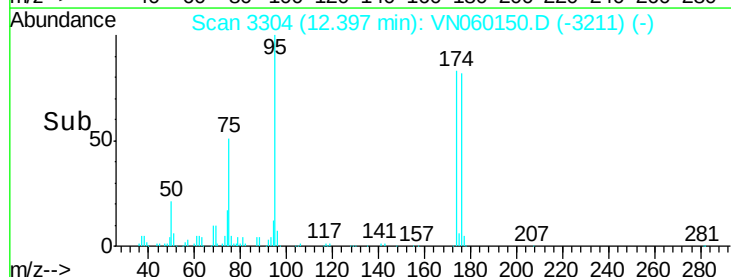
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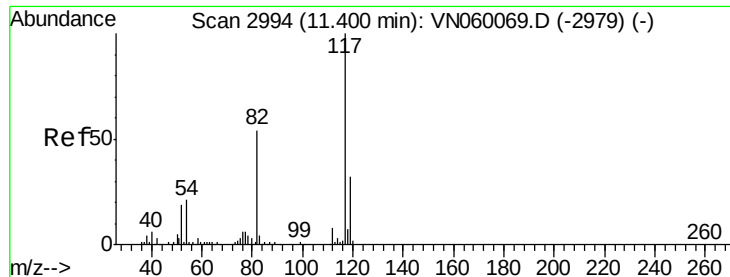
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20000

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Time-->

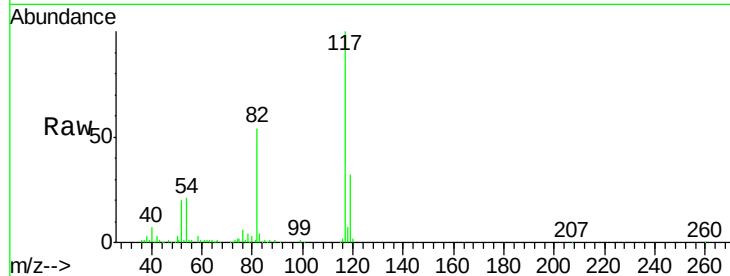




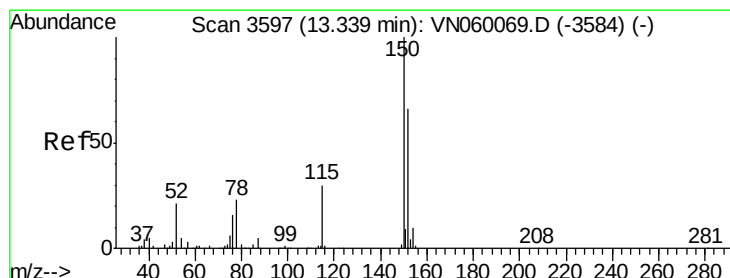
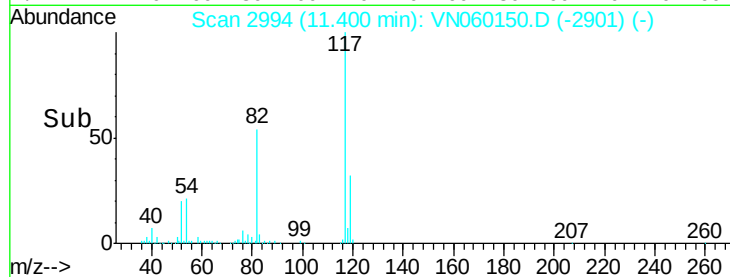
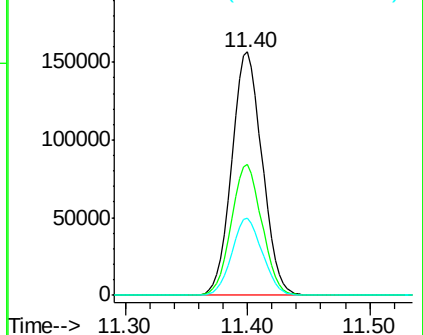
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060150.D  
Acq: 19 Feb 2020 13:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB126910ZHE#02

Tot Ion:117 Resp: 271413  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.4 65.0  
119 31.7 25.8 38.6

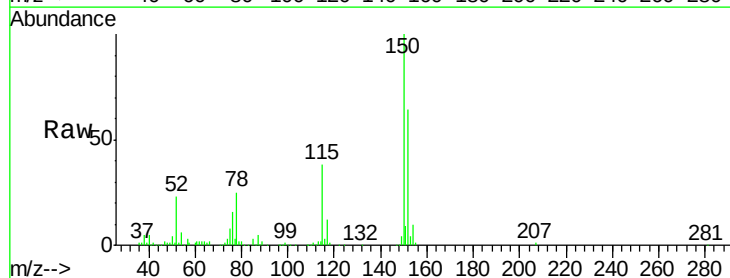


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060150.D  
Acq: 19 Feb 2020 13:01

Tgt Ion:152 Resp: 126620  
Ion Ratio Lower Upper  
152 100  
115 58.9 28.9 86.8  
150 156.5 0.0 342.4



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

