

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\  
 Data File : VN062679.D  
 Acq On : 31 Jul 2020 12:40  
 Operator : JC/MD  
 Sample : PB130640ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130640ZHE#02

Quant Time: Aug 01 06:39:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 18:48:59 2020  
 Response via : Initial Calibration

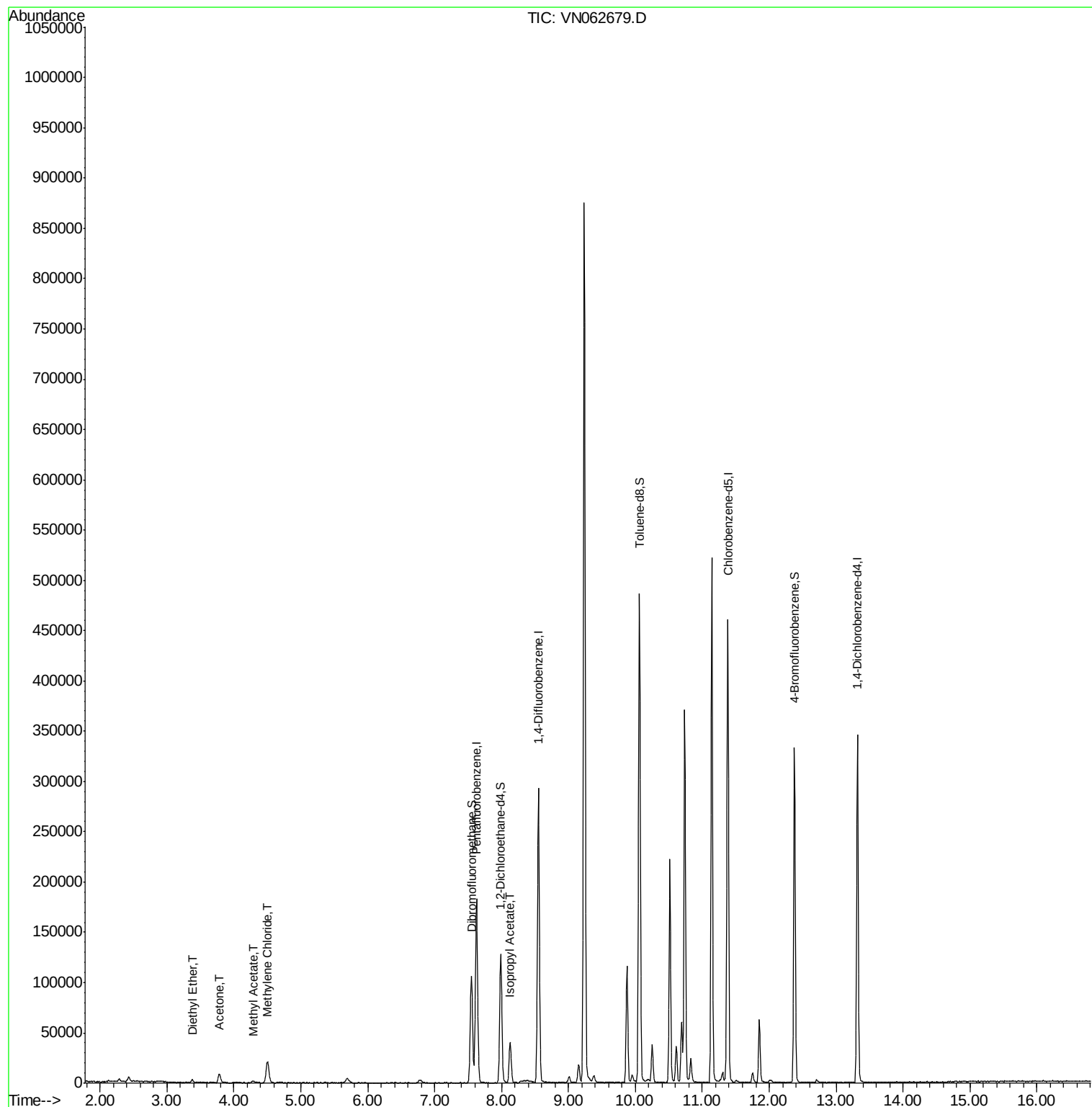
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 134762   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 240291   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 249234   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 89182    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 116600   | 55.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.40% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 81358    | 51.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.10% |          |
| 50) Toluene-d8              | 10.06 | 98   | 325421   | 51.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.34% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 117481   | 51.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.04% |          |
| Target Compounds            |       |      |          |        |         |          |
| 8) Diethyl Ether            | 3.37  | 74   | 1486     | 1.432  | ug/l    | 94       |
| 16) Acetone                 | 3.78  | 43   | 14742    | 18.713 | ug/l    | 99       |
| 18) Methyl Acetate          | 4.28  | 43   | 4231     | 2.122  | ug/l #  | 79       |
| 20) Methylene Chloride      | 4.50  | 84   | 15813    | 8.369  | ug/l    | 89       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 48049    | 10.796 | ug/l #  | 88       |

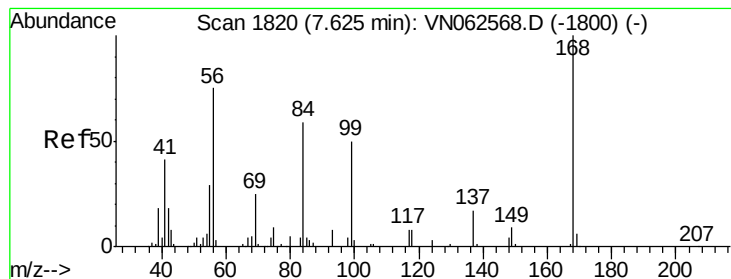
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073120\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072120W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 21 18:48:59 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

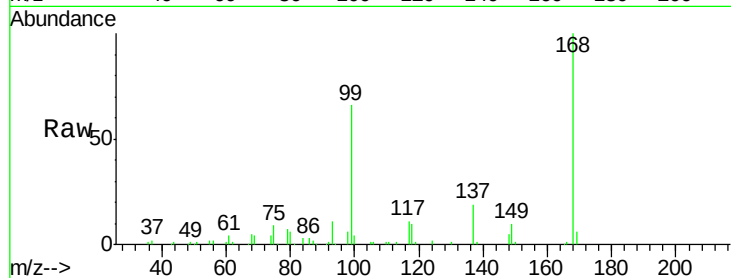
PB130640ZHE#02

Tot Ion:168 Resp: 134762

Ion Ratio Lower Upper

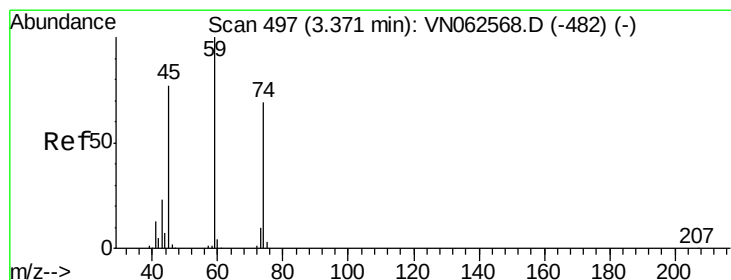
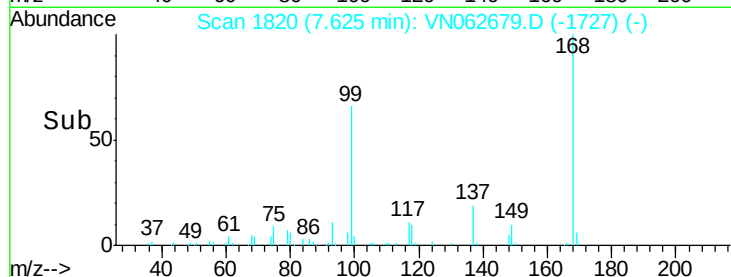
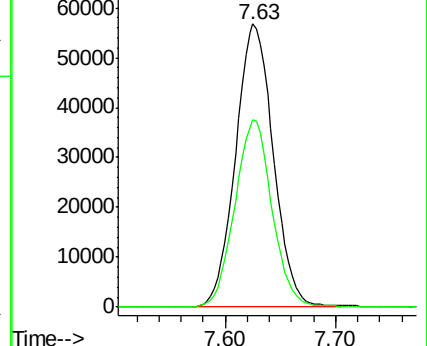
168 100

99 66.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#8

Diethyl Ether

Concen: 1.432 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062679.D

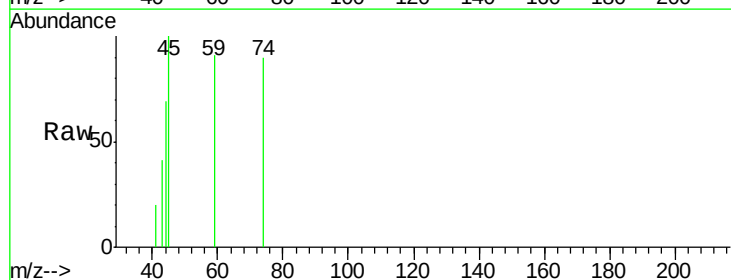
Acq: 31 Jul 2020 12:40

Tgt Ion: 74 Resp: 1486

Ion Ratio Lower Upper

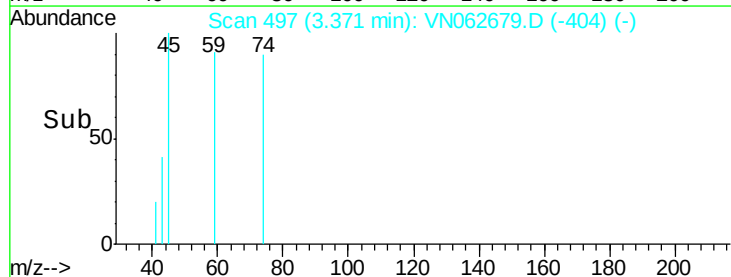
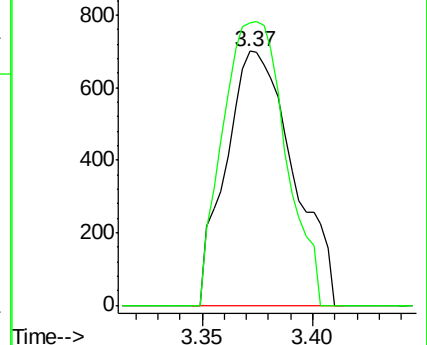
74 100

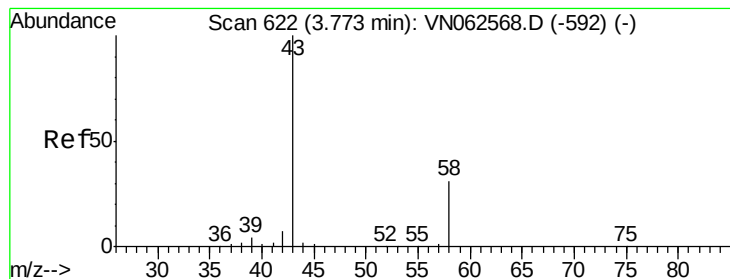
45 103.8 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#16

Acetone

Concen: 18.713 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

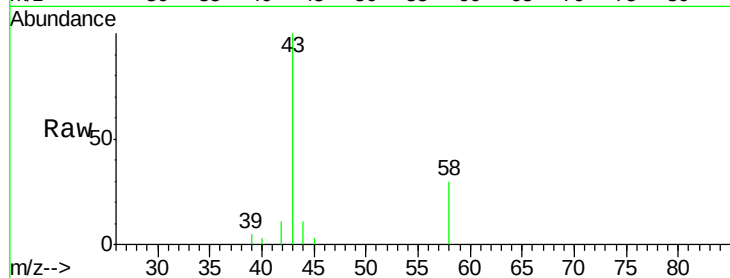
PB130640ZHE#02

Tot Ion: 43 Resp: 14742

Ion Ratio Lower Upper

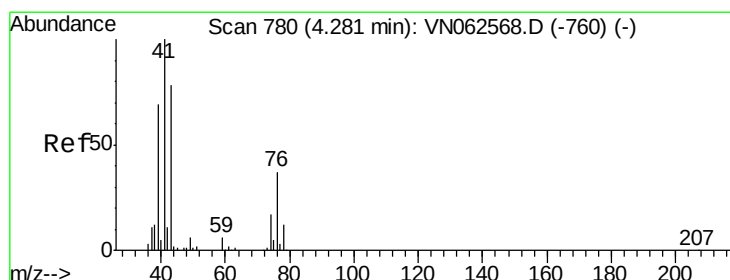
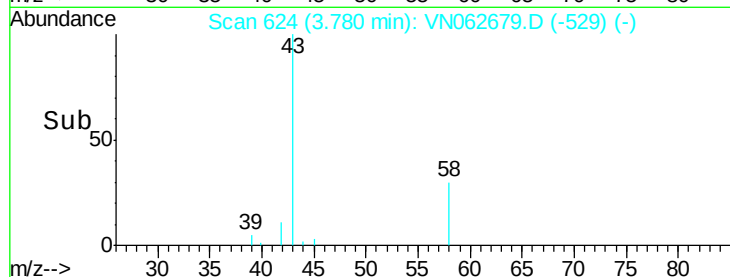
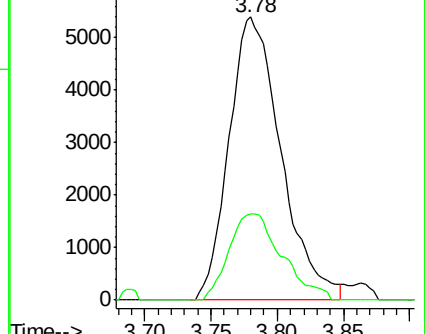
43 100

58 30.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2.122 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062679.D

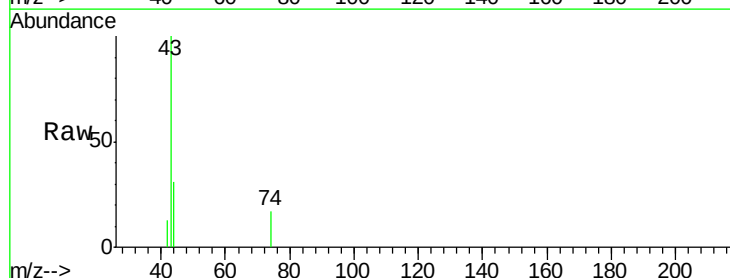
Acq: 31 Jul 2020 12:40

Tgt Ion: 43 Resp: 4231

Ion Ratio Lower Upper

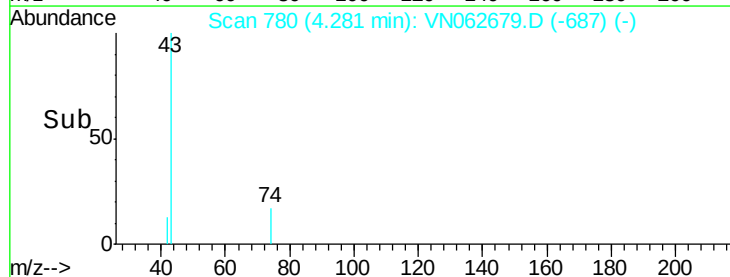
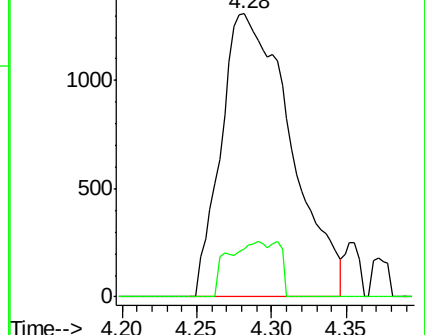
43 100

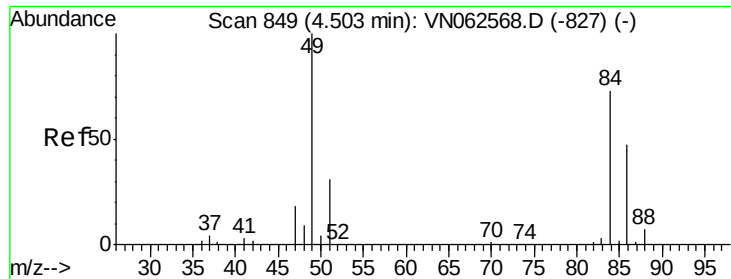
74 11.1 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

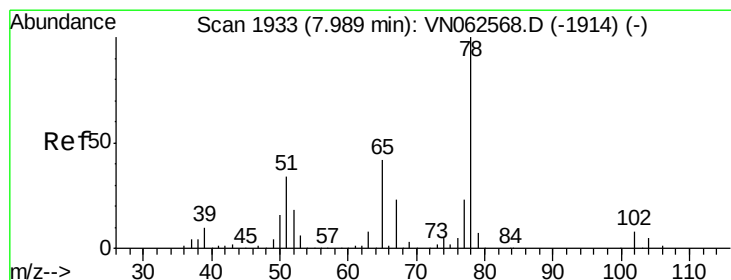
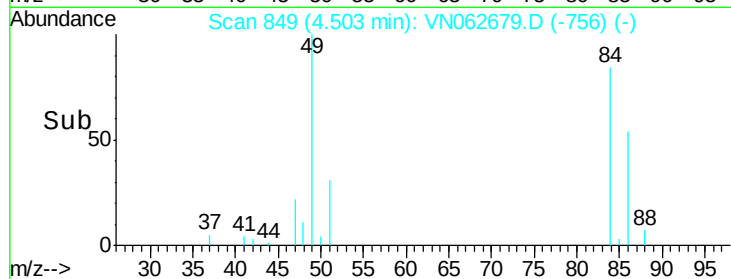
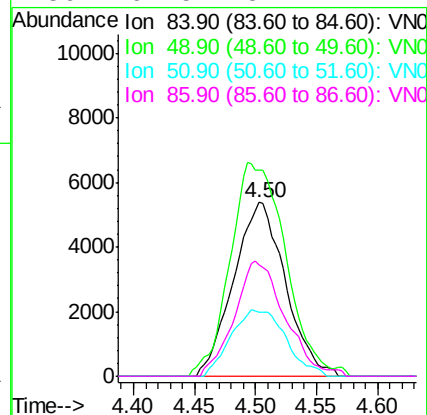
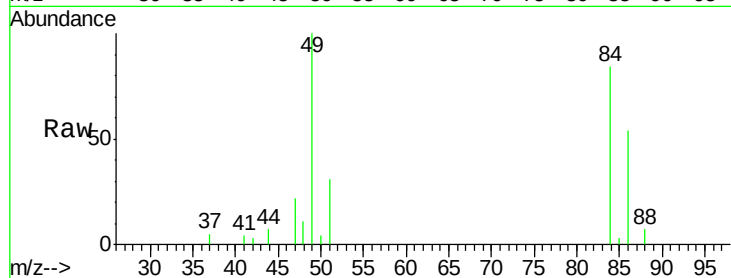




#20  
Methylene Chloride  
Concen: 8.369 ug/l  
RT: 4.50 min Scan# 849  
Delta R.T. -0.00 min  
Lab File: VN062679.D  
Acq: 31 Jul 2020 12:40

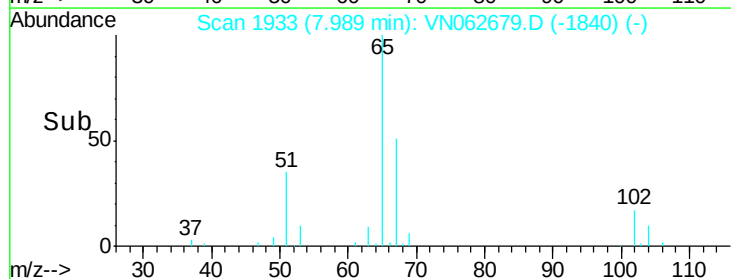
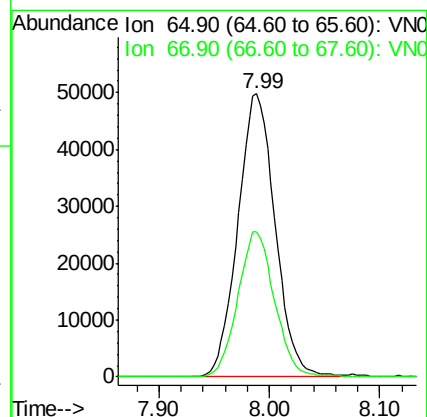
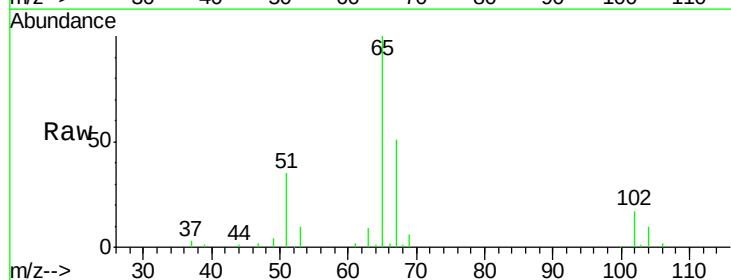
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130640ZHE#02

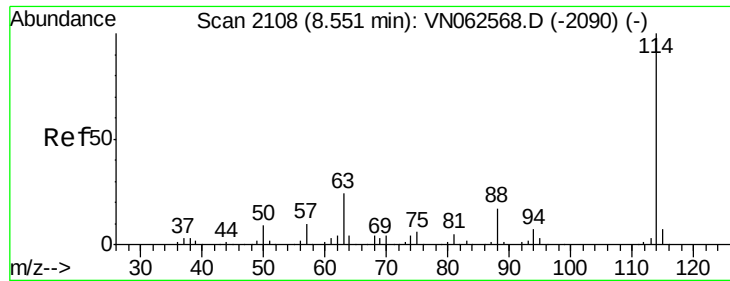
Tot Ion: 84 Resp: 15813  
Ion Ratio Lower Upper  
84 100  
49 115.5 109.4 164.0  
51 37.0 33.6 50.4  
86 64.5 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 55.697 ug/l  
RT: 7.99 min Scan# 1933  
Delta R.T. -0.00 min  
Lab File: VN062679.D  
Acq: 31 Jul 2020 12:40

Tgt Ion: 65 Resp: 116600  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 106.0

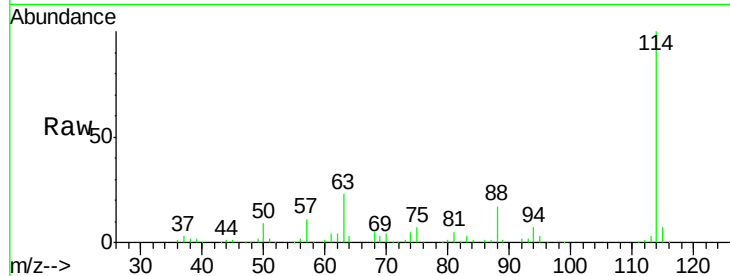




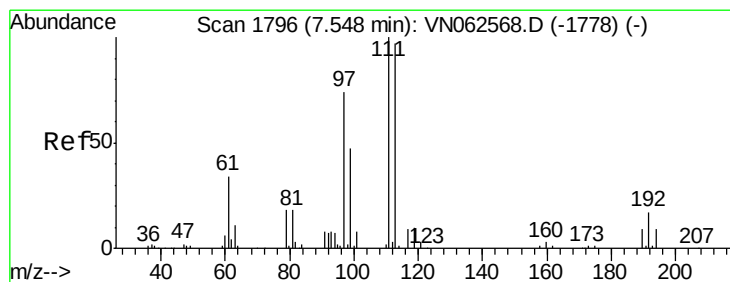
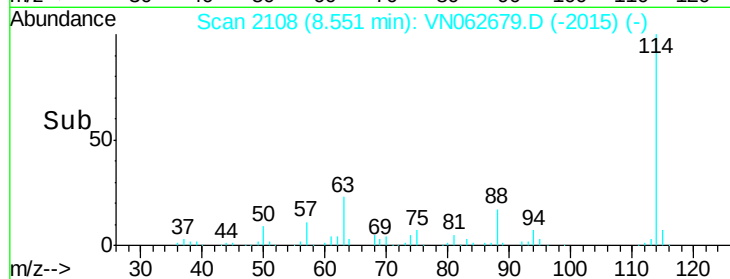
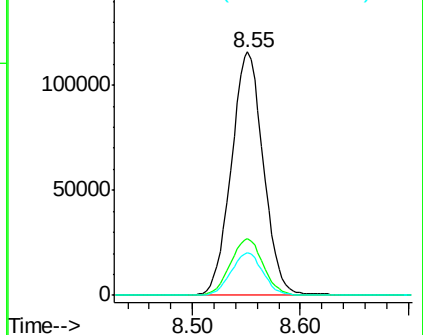
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN062679.D  
 Acq: 31 Jul 2020 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130640ZHE#02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.2  | 0.0   | 48.4  |
| 88      | 17.4  | 0.0   | 33.8  |

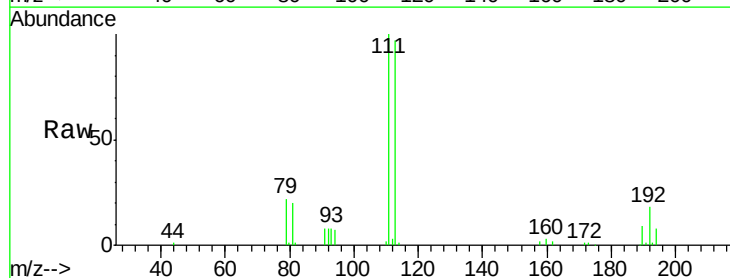


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

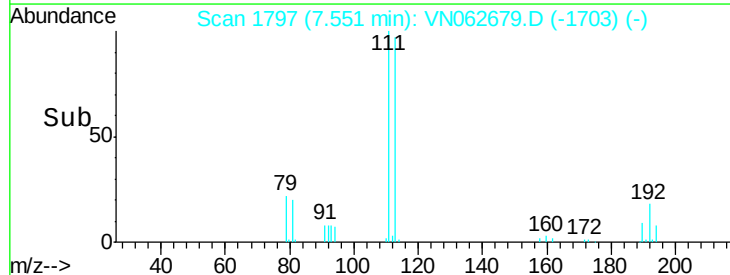
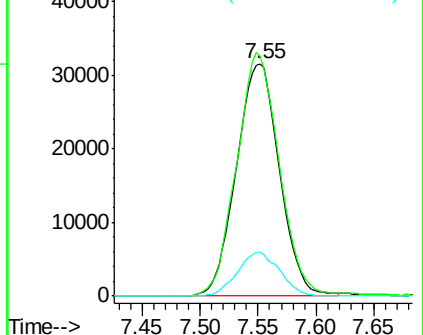


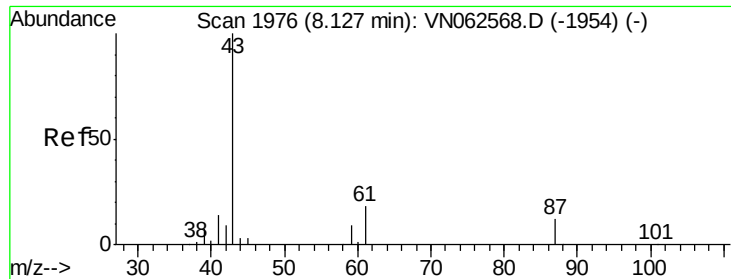
#35  
 Dibromofluoromethane  
 Concen: 51.546 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VN062679.D  
 Acq: 31 Jul 2020 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 82.7  | 124.1 |
| 192     | 18.3  | 14.8  | 22.2  |



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: 10.796 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

PB130640ZHE#02

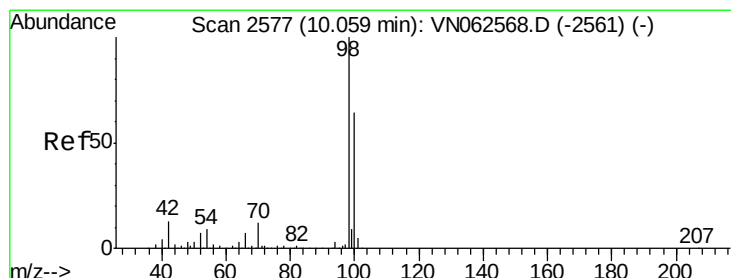
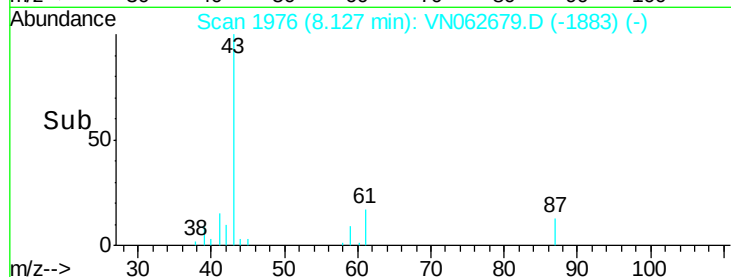
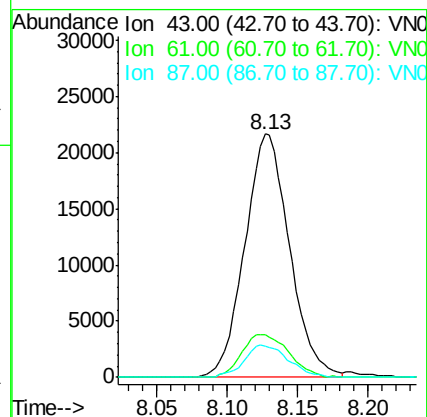
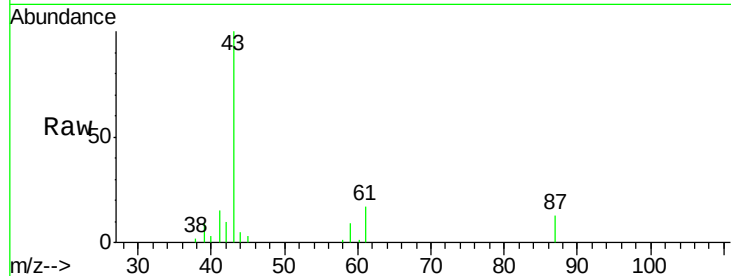
Tot Ion: 43 Resp: 48049

Ion Ratio Lower Upper

43 100

61 18.4 20.8 31.2#

87 13.0 9.2 13.8



#50

Toluene-d8

Concen: 51.674 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062679.D

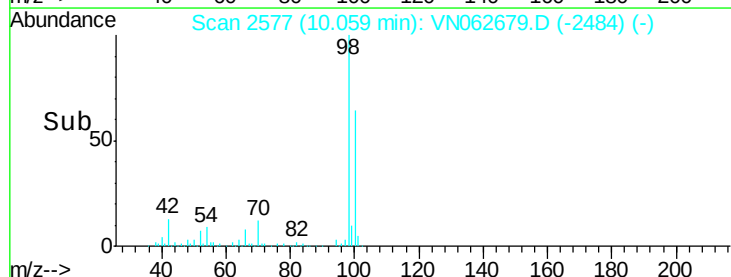
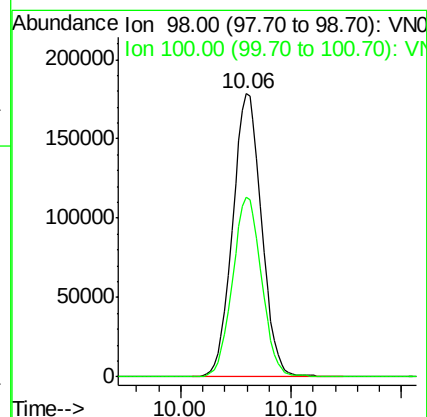
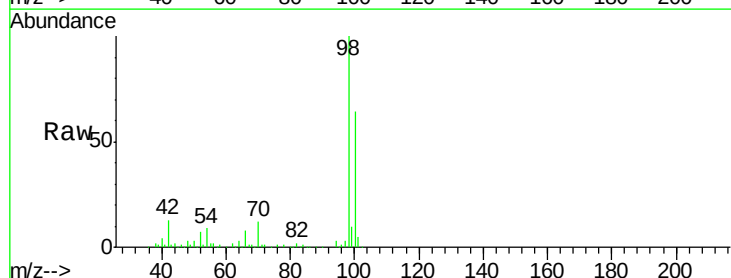
Acq: 31 Jul 2020 12:40

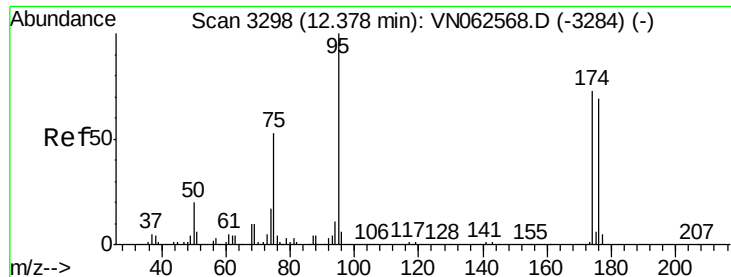
Tgt Ion: 98 Resp: 325421

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 51.020 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

PB130640ZHE#02

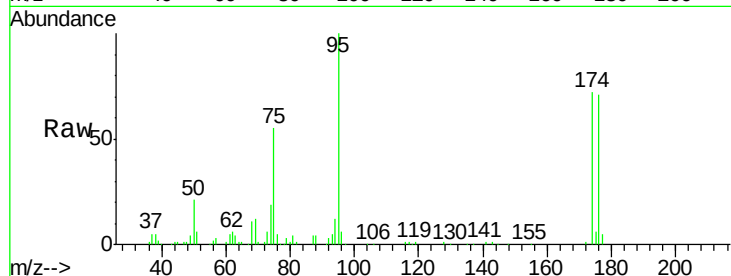
Tot Ion: 95 Resp: 117481

Ion Ratio Lower Upper

95 100

174 71.9 0.0 144.6

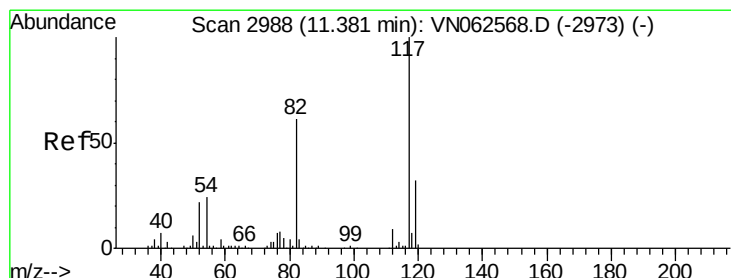
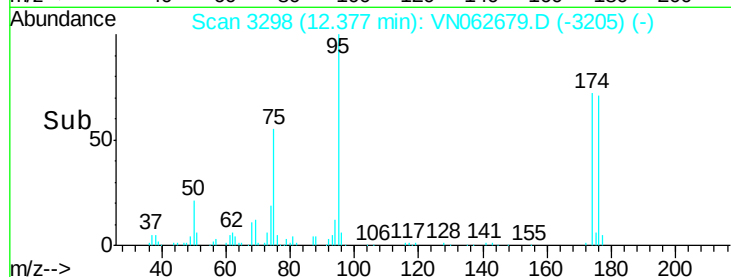
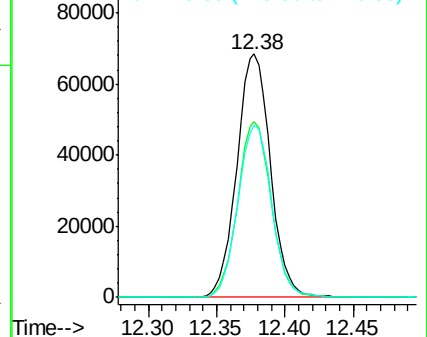
176 71.2 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062679.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062679.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062679.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

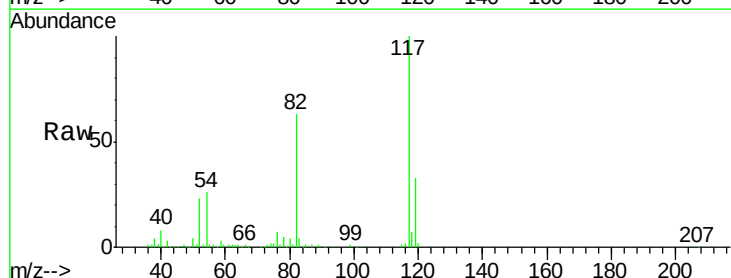
Tgt Ion: 117 Resp: 249234

Ion Ratio Lower Upper

117 100

82 62.6 49.0 73.6

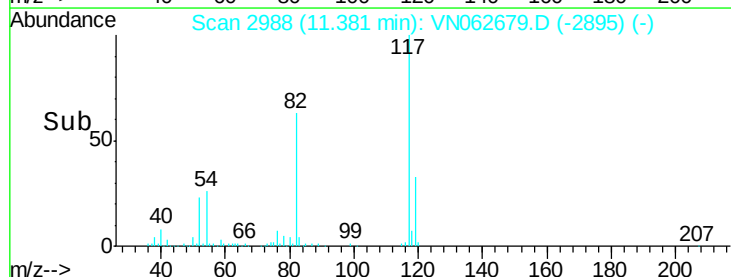
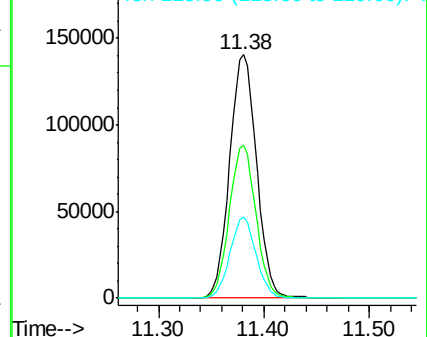
119 33.1 25.4 38.2



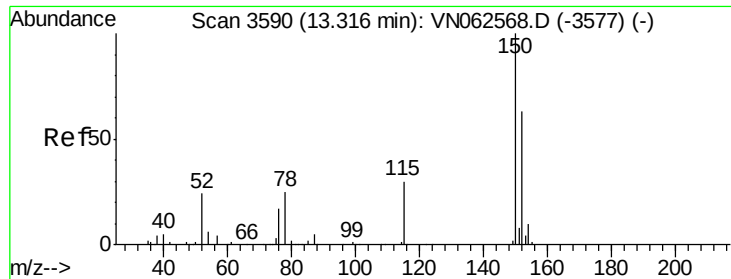
Abundance Ion 116.90 (116.60 to 117.60): VN062679.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062679.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062679.D (-2895) (-)







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062679.D

Acq: 31 Jul 2020 12:40

Instrument :

MSVOA\_N

ClientSampleId :

PB130640ZHE#02

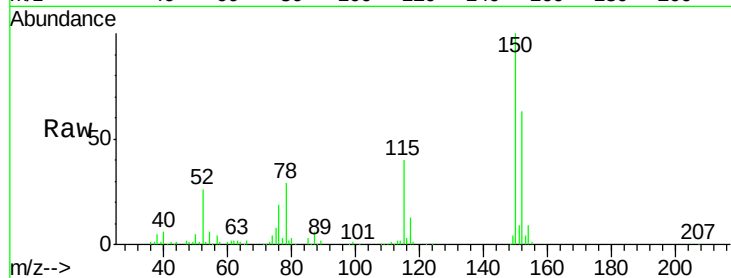
Tot Ion:152 Resp: 89182

Ion Ratio Lower Upper

152 100

115 64.0 31.8 95.4

150 156.5 0.0 351.4



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

