

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\  
 Data File : VN062666.D  
 Acq On : 30 Jul 2020 13:04  
 Operator : JC/MD  
 Sample : PB130598ZHE#19  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130598ZHE#19

Quant Time: Jul 31 04:59:51 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

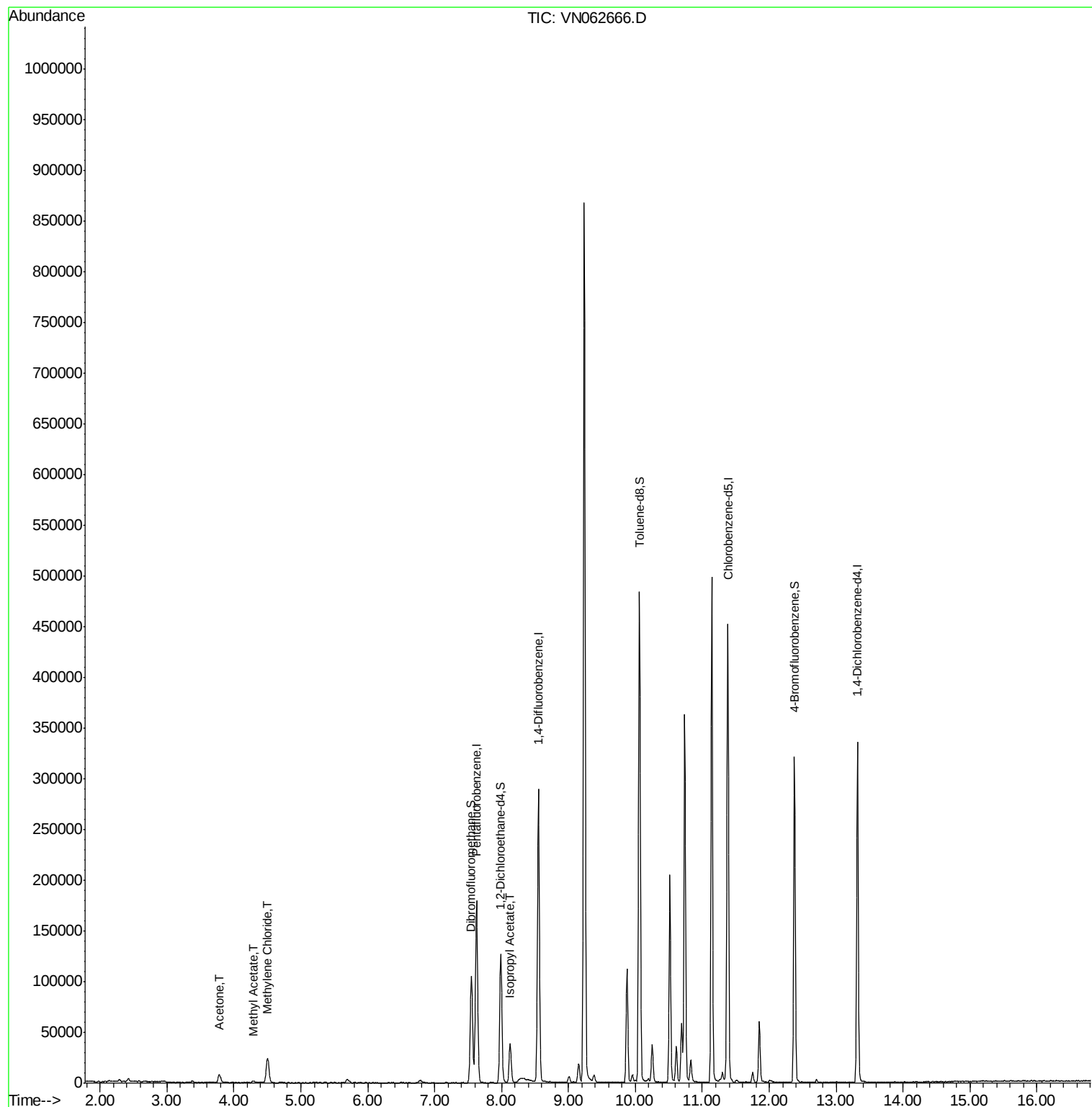
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 135009   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 239023   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 247803   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 85607    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 115461   | 55.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.10% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 81014    | 51.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.20% |          |
| 50) Toluene-d8              | 10.06 | 98   | 323336   | 51.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.24% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 112258   | 49.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.02%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 14997    | 19.002 | ug/l    | 92       |
| 18) Methyl Acetate          | 4.29  | 43   | 3421     | 1.712  | ug/l #  | 71       |
| 20) Methylene Chloride      | 4.51  | 84   | 17661    | 9.330  | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 46357    | 10.471 | ug/l #  | 92       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073020\  
Data File : VN062666.D  
Acq On : 30 Jul 2020 13:04  
Operator : JC/MD  
Sample : PB130598ZHE#19  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130598ZHE#19

Quant Time: Jul 31 04:59:51 2020  
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# 1821

Delta R.T. 0.00 min

Lab File: VN062666.D

Acq: 30 Jul 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

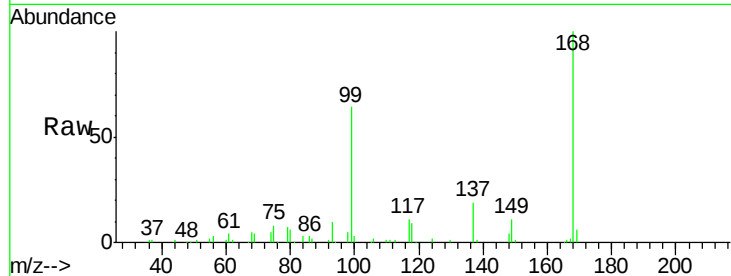
PB130598ZHE#19

Tot Ion:168 Resp: 135009

Ion Ratio Lower Upper

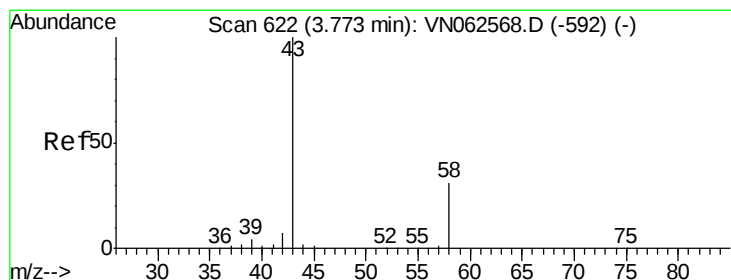
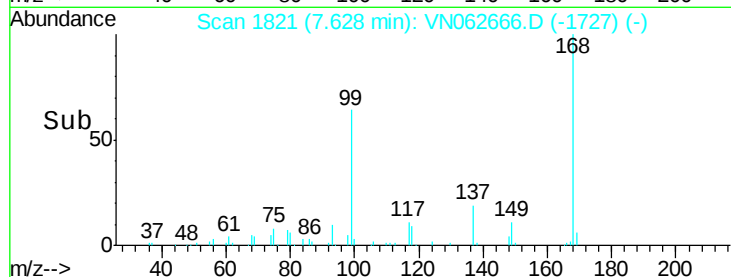
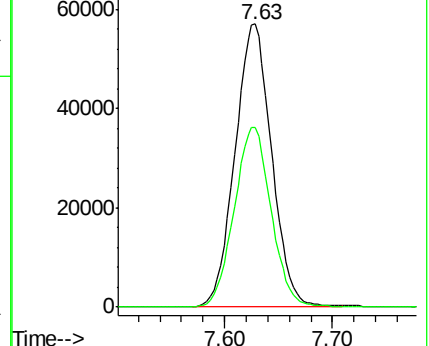
168 100

99 63.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 19.002 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062666.D

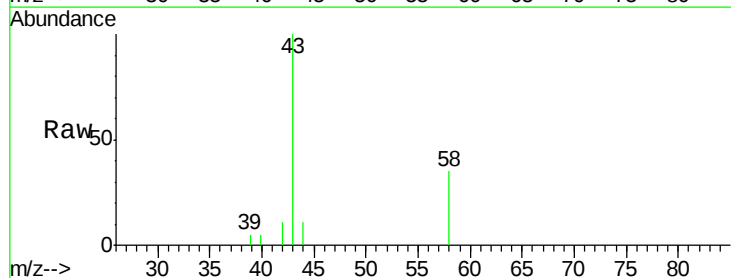
Acq: 30 Jul 2020 13:04

Tgt Ion: 43 Resp: 14997

Ion Ratio Lower Upper

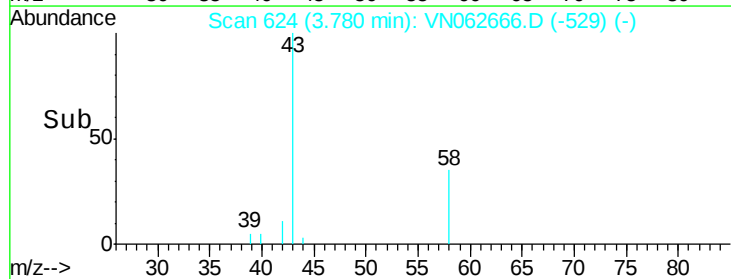
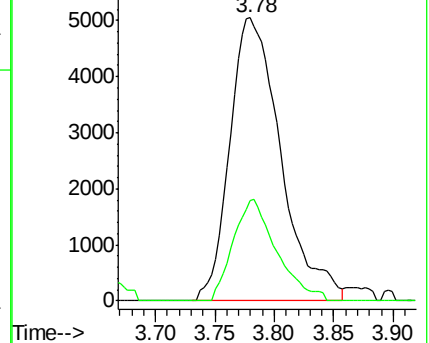
43 100

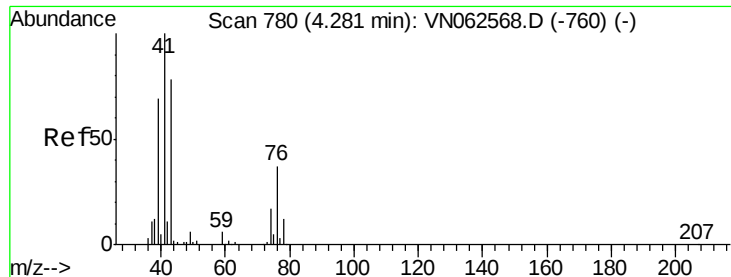
58 35.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#18

Methyl Acetate

Concen: 1.712 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062666.D

Acq: 30 Jul 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

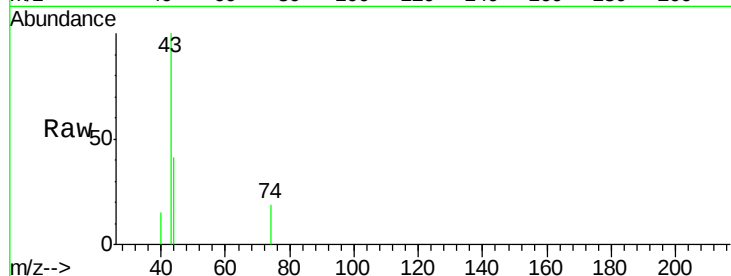
PB130598ZHE#19

Tot Ion: 43 Resp: 3421

Ion Ratio Lower Upper

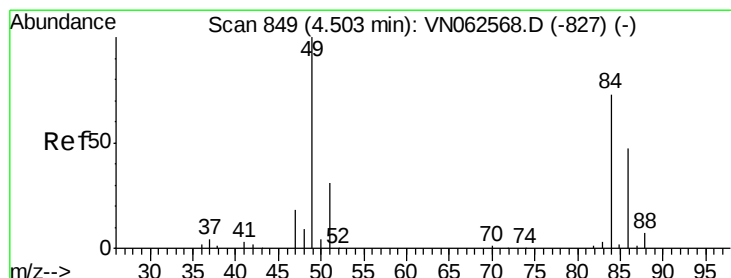
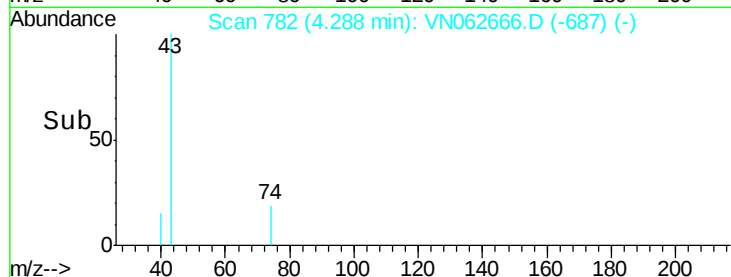
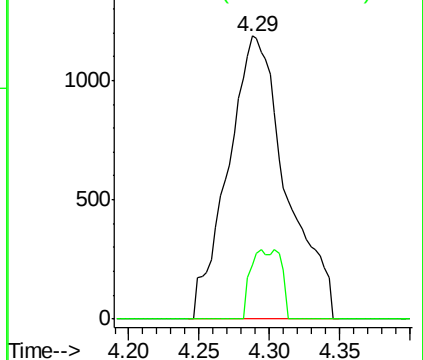
43 100

74 7.0 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: 9.330 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.01 min

Lab File: VN062666.D

Acq: 30 Jul 2020 13:04

Tgt Ion: 84 Resp: 17661

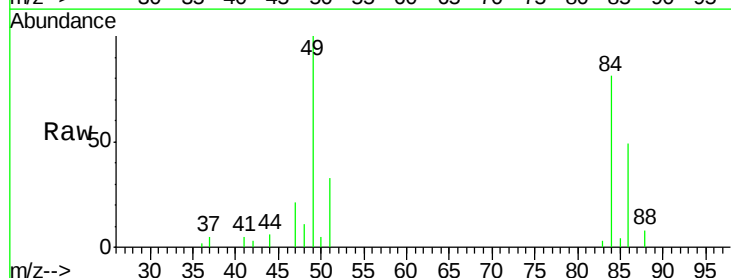
Ion Ratio Lower Upper

84 100

49 123.6 109.4 164.0

51 41.3 33.6 50.4

86 61.2 51.4 77.2

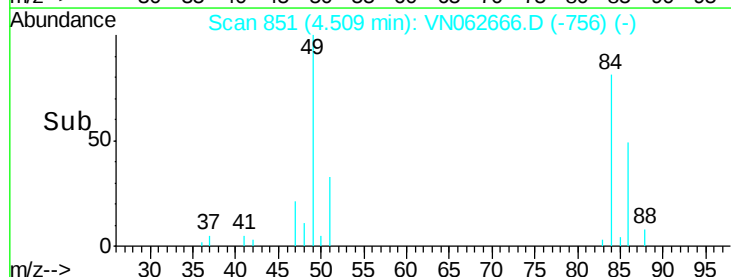
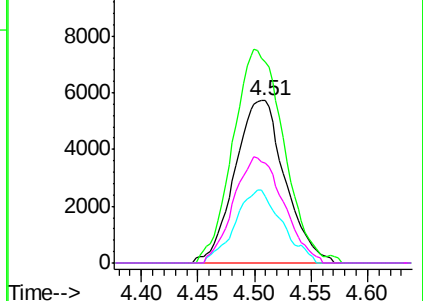


Abundance Ion 83.90 (83.60 to 84.60): VN0

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

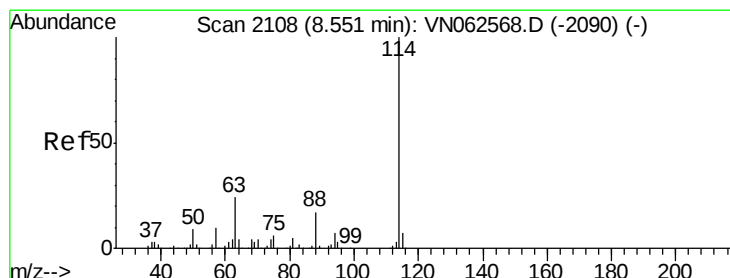
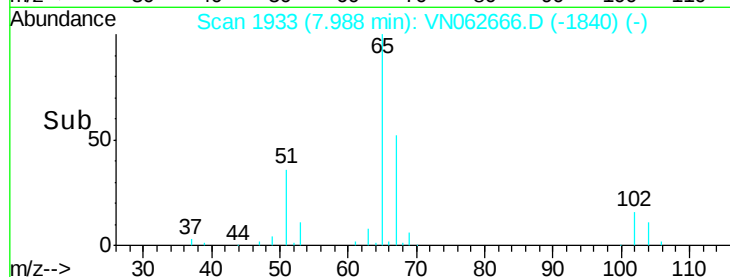
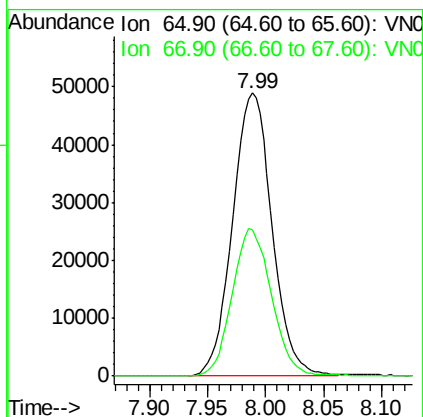
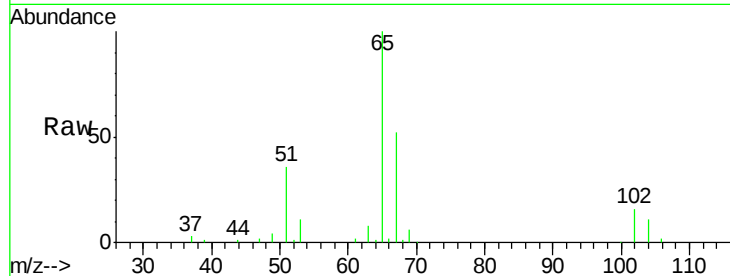




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.052 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN062666.D  
 Acq: 30 Jul 2020 13:04

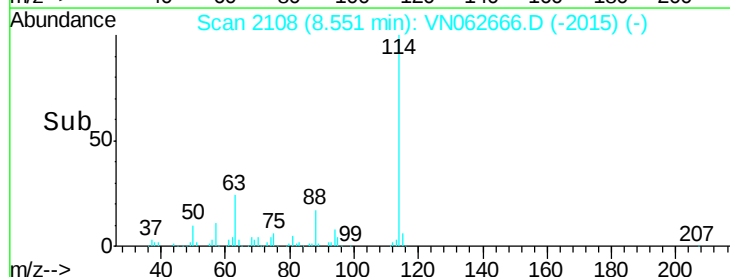
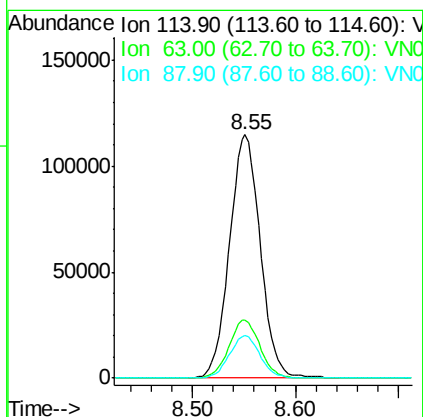
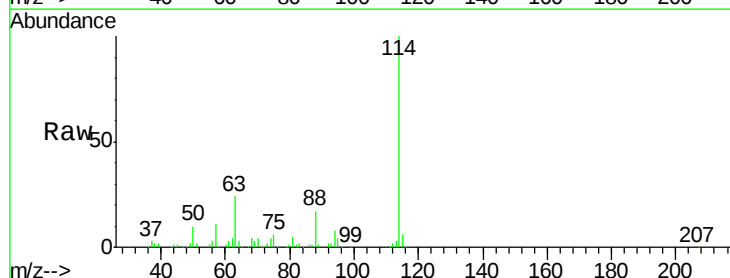
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130598ZHE#19

Tot Ion: 65 Resp: 115461  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 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: VN062666.D  
 Acq: 30 Jul 2020 13:04

Tgt Ion: 114 Resp: 239023  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 0.0 48.4  
 88 17.4 0.0 33.8

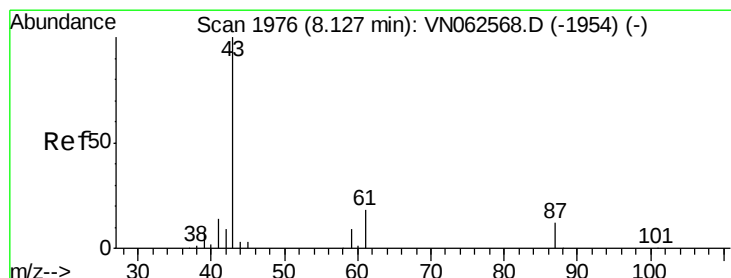
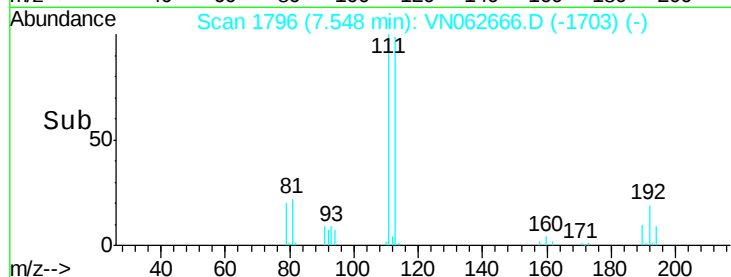
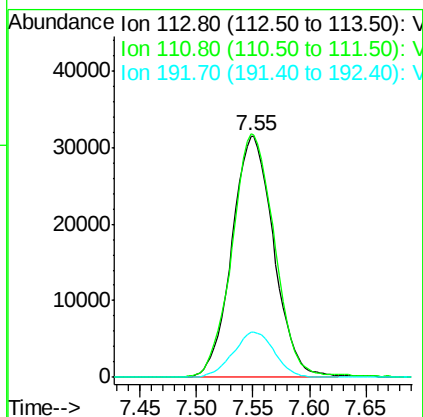
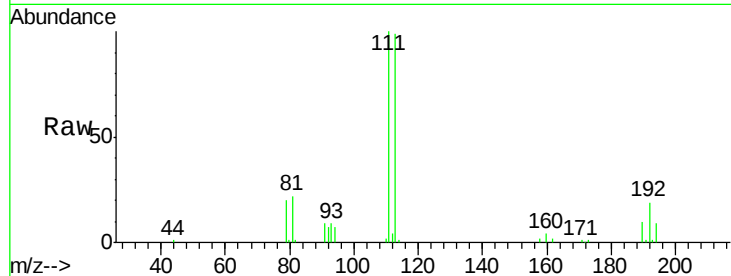




#35  
 Dibromofluoromethane  
 Concen: 51.600 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: VN062666.D  
 Acq: 30 Jul 2020 13:04

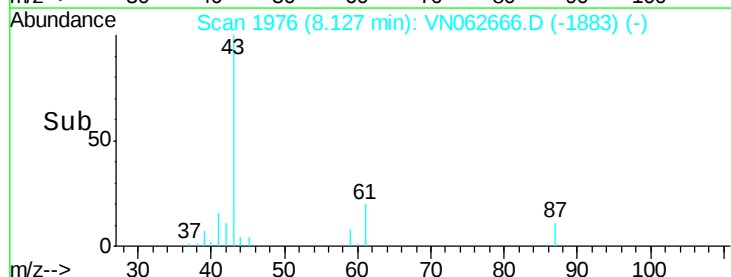
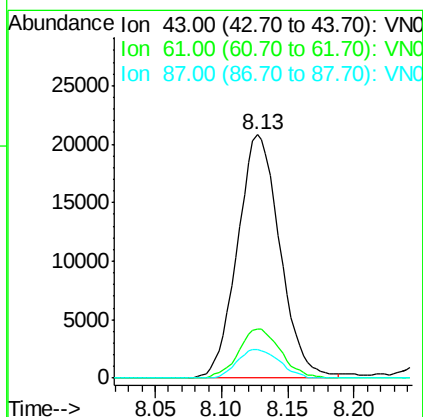
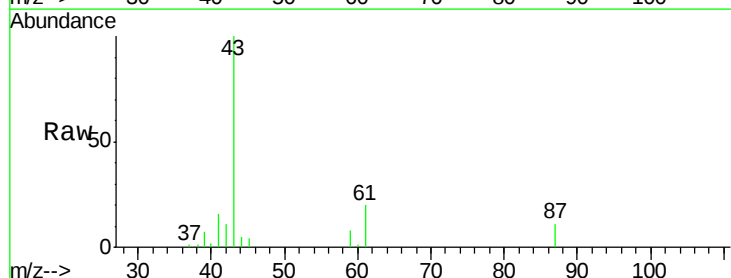
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130598ZHE#19

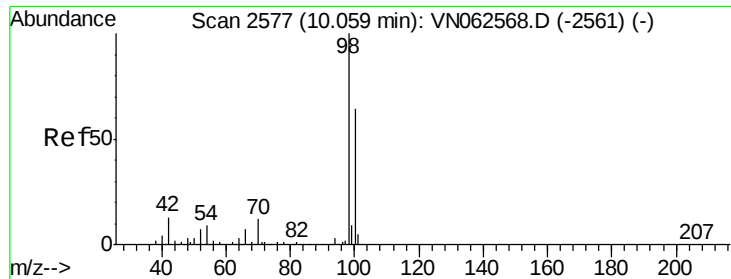
Tot Ion:113 Resp: 81014  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.7 124.1  
 192 18.6 14.8 22.2



#43  
 Isopropyl Acetate  
 Concen: 10.471 ug/l  
 RT: 8.13 min Scan# 1976  
 Delta R.T. -0.00 min  
 Lab File: VN062666.D  
 Acq: 30 Jul 2020 13:04

Tgt Ion: 43 Resp: 46357  
 Ion Ratio Lower Upper  
 43 100  
 61 19.9 20.8 31.2#  
 87 11.6 9.2 13.8





#50

Toluene-d8

Concen: 51.615 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062666.D

Acq: 30 Jul 2020 13:04

Instrument :

MSVOA\_N

ClientSampleId :

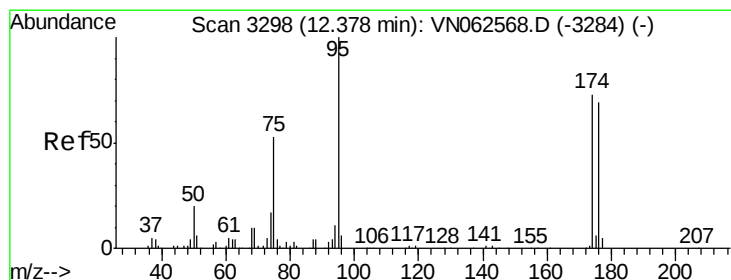
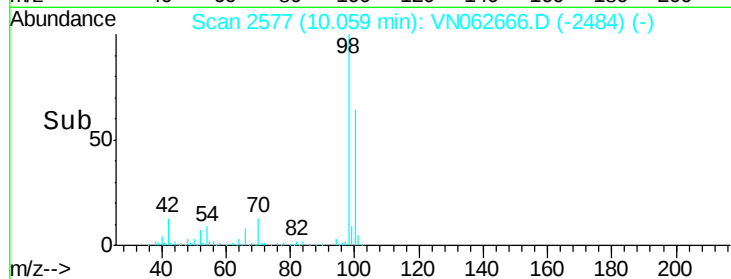
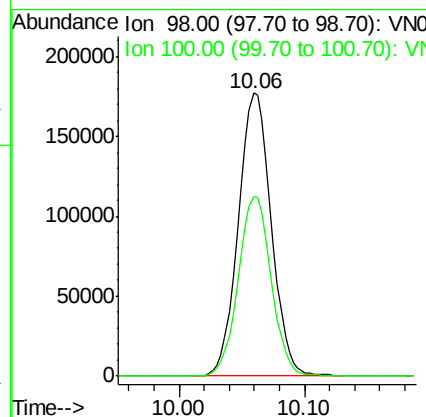
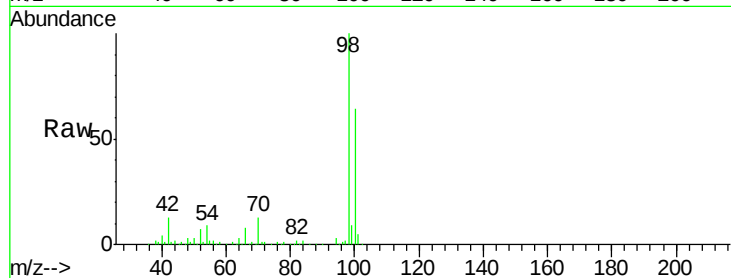
PB130598ZHE#19

Tot Ion: 98 Resp: 323336

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 49.010 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062666.D

Acq: 30 Jul 2020 13:04

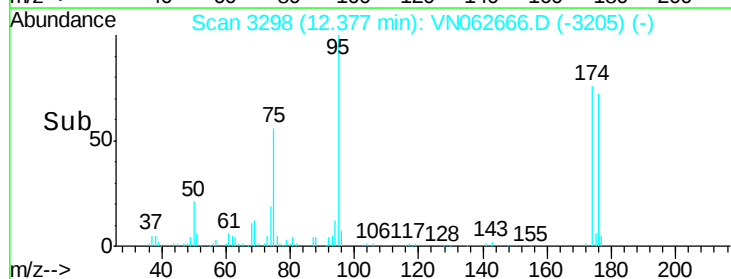
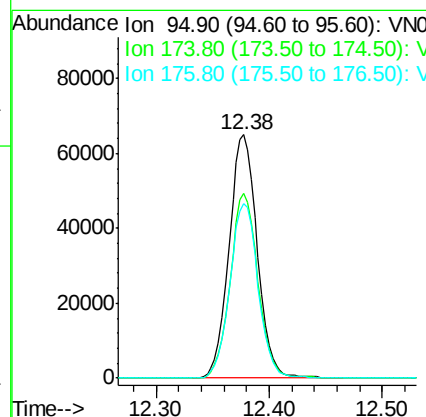
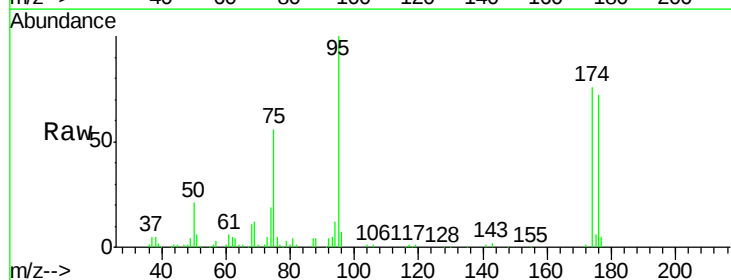
Tgt Ion: 95 Resp: 112258

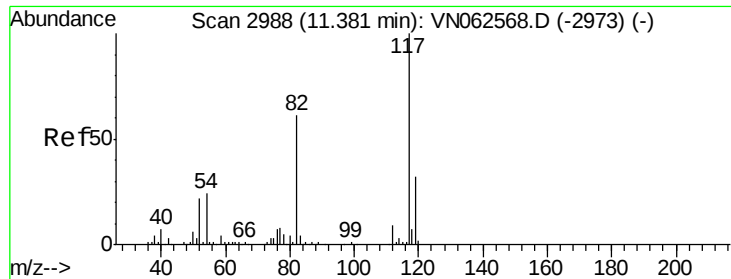
Ion Ratio Lower Upper

95 100

174 75.0 0.0 144.6

176 72.0 0.0 139.4

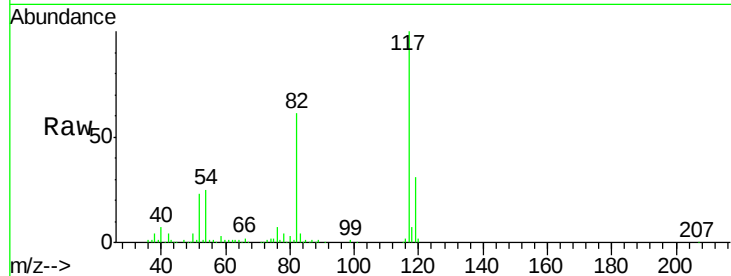




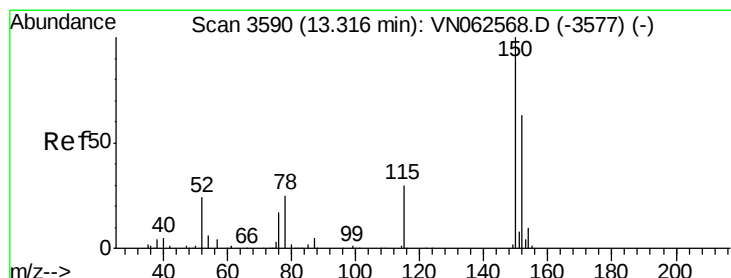
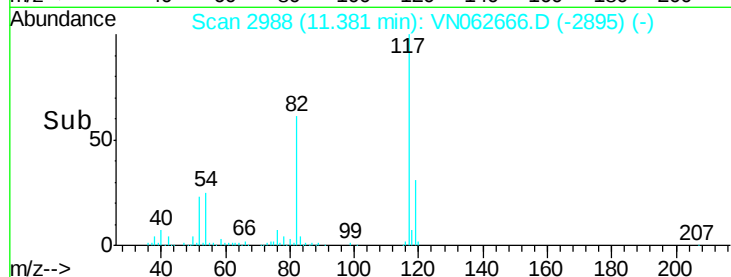
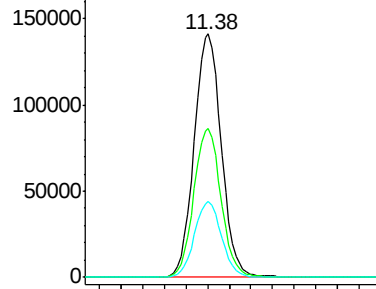
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062666.D  
Acq: 30 Jul 2020 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130598ZHE#19

Tot Ion:117 Resp: 247803  
Ion Ratio Lower Upper  
117 100  
82 61.0 49.0 73.6  
119 30.9 25.4 38.2

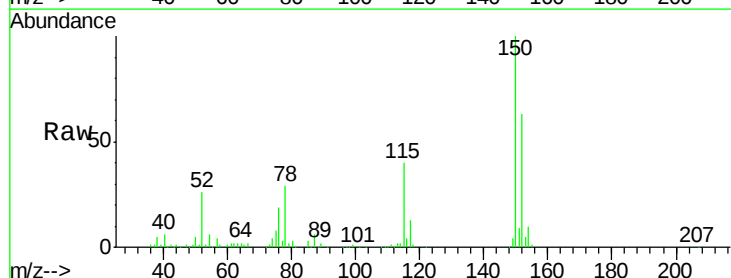


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN062666.D  
Acq: 30 Jul 2020 13:04

Tgt Ion:152 Resp: 85607  
Ion Ratio Lower Upper  
152 100  
115 63.7 31.8 95.4  
150 158.9 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

