

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\  
 Data File : VN062604.D  
 Acq On : 27 Jul 2020 17:35  
 Operator : JC/MD  
 Sample : PB130485ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130485ZHE#01

Quant Time: Jul 28 06:57:40 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

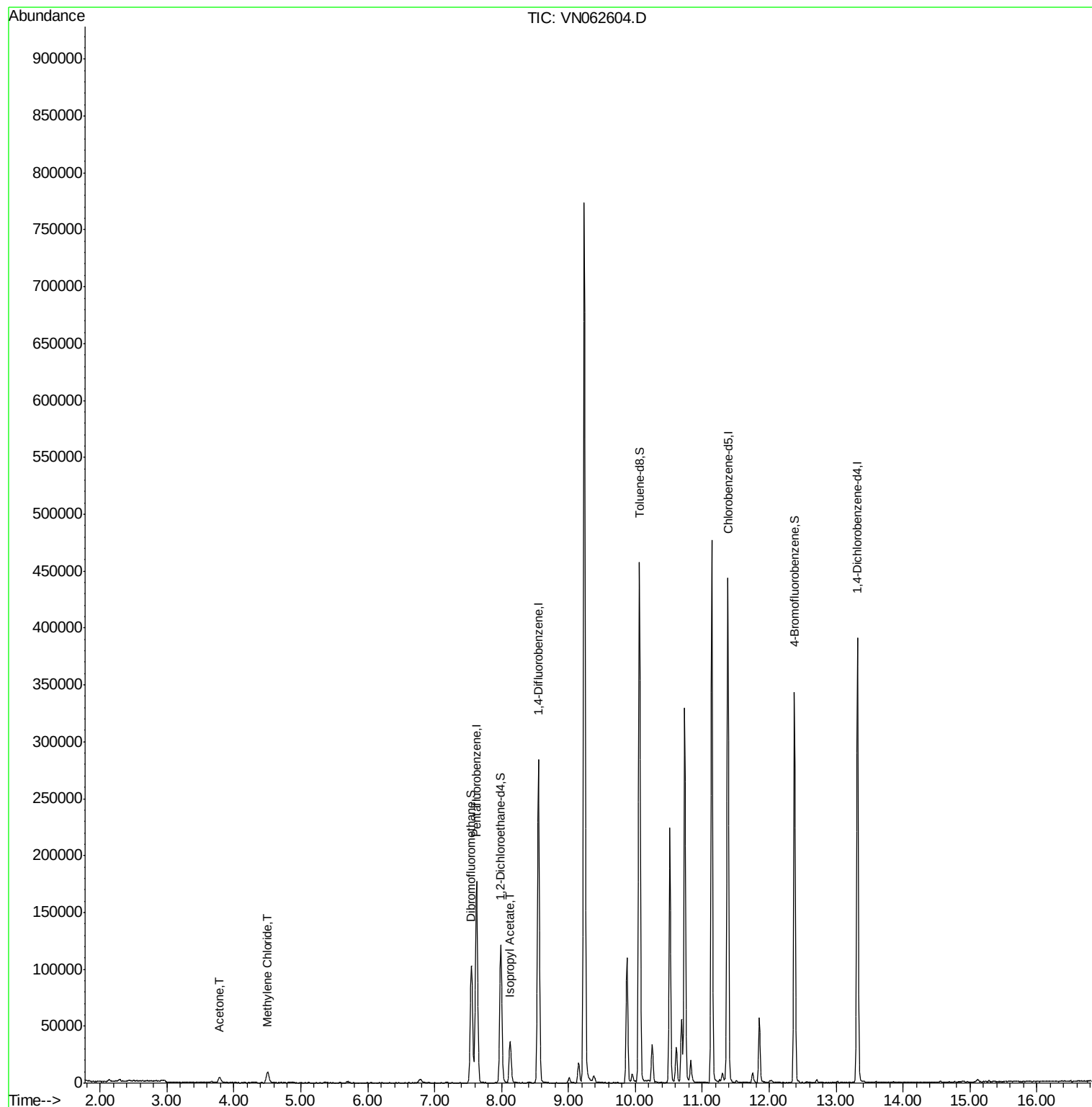
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 135108   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 239404   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 239725   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 102219   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 112375   | 53.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.08% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 80526    | 51.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.42% |          |
| 50) Toluene-d8              | 10.06 | 98   | 308929   | 49.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.48%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 122512   | 53.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.80% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 10002    | 12.664 | ug/l    | 90       |
| 20) Methylene Chloride      | 4.51  | 84   | 7789     | 4.112  | ug/l #  | 82       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 44779    | 10.098 | ug/l #  | 90       |

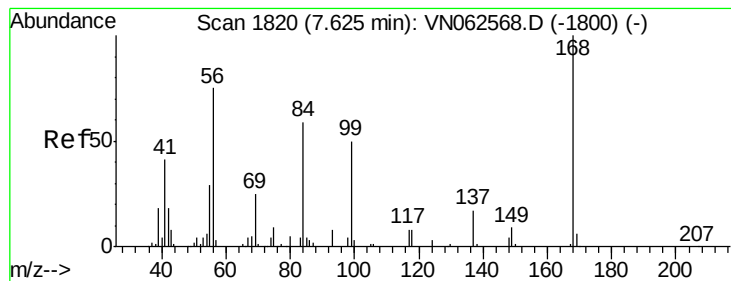
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072720\  
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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: VN062604.D

Acq: 27 Jul 2020 17:35

Instrument :

MSVOA\_N

ClientSampleId :

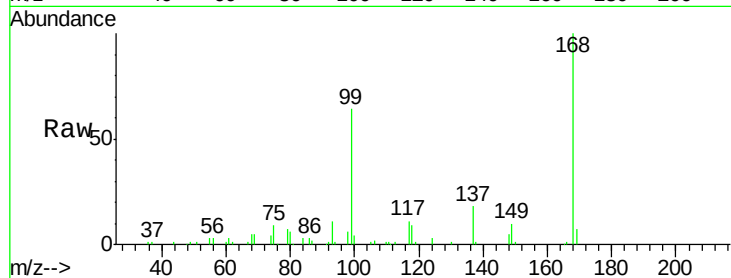
PB130485ZHE#01

Tot Ion:168 Resp: 135108

Ion Ratio Lower Upper

168 100

99 64.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

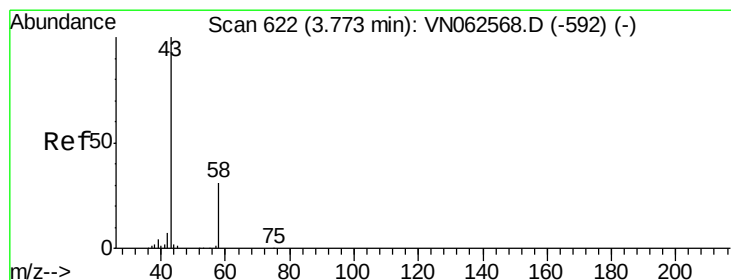
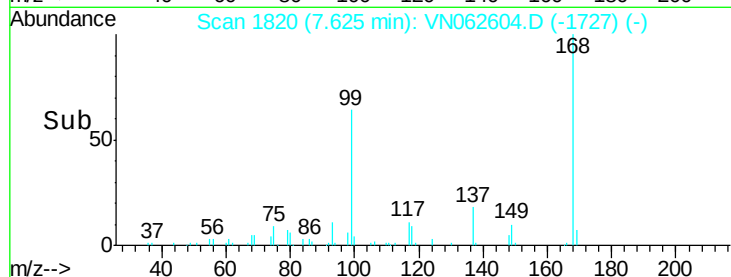
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 12.664 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062604.D

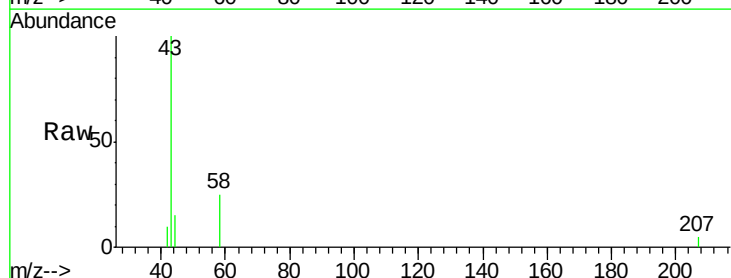
Acq: 27 Jul 2020 17:35

Tgt Ion: 43 Resp: 10002

Ion Ratio Lower Upper

43 100

58 25.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

4000

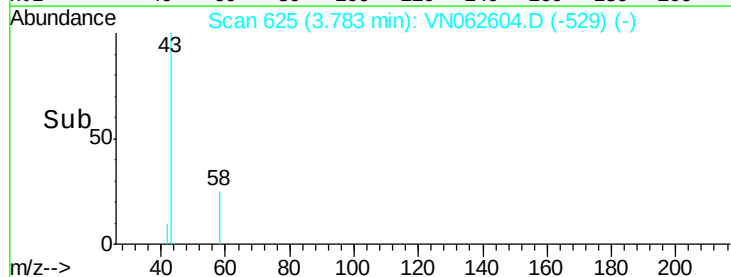
3000

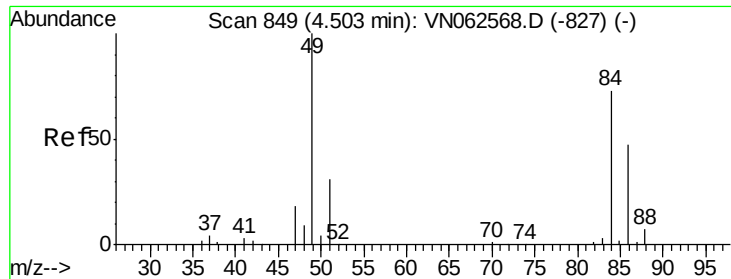
2000

1000

0

Time--> 3.70 3.75 3.80 3.85 3.90

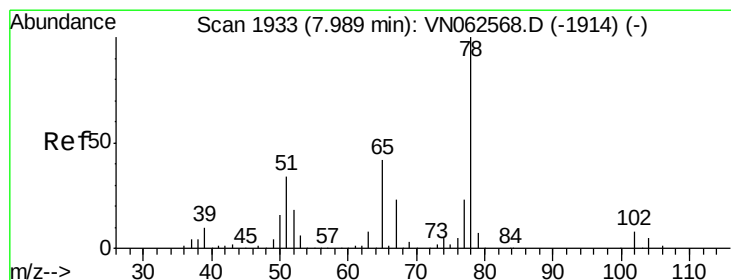
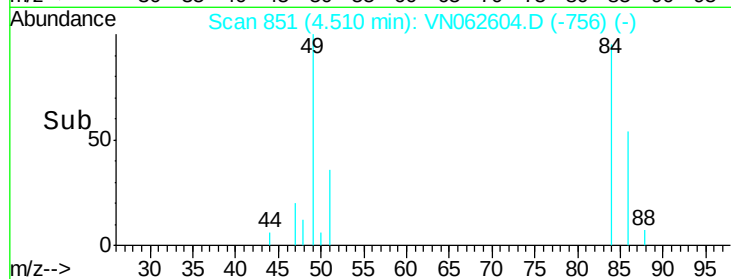
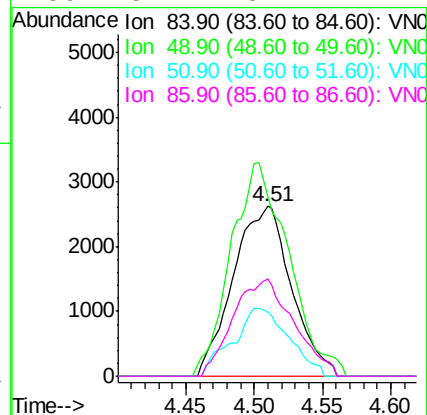
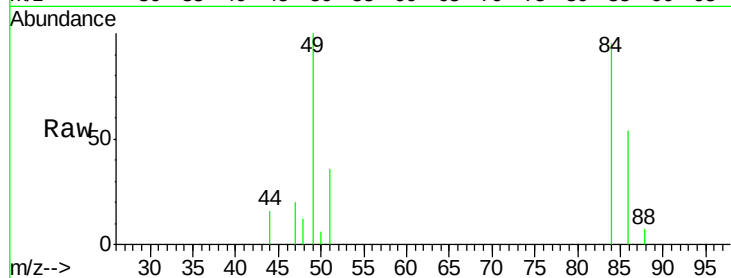




#20  
Methvlene Chloride  
Concen: 4.112 ug/l  
RT: 4.51 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: VN062604.D  
Acq: 27 Jul 2020 17:35

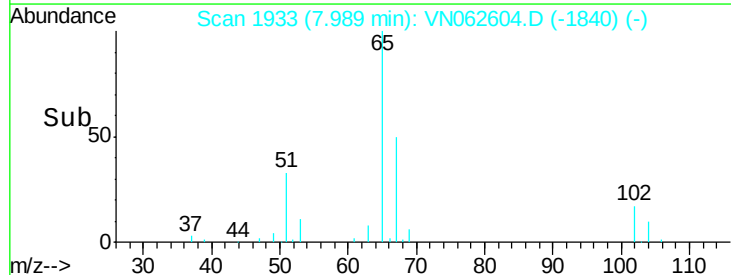
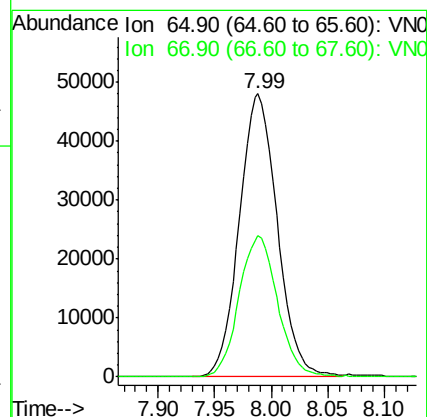
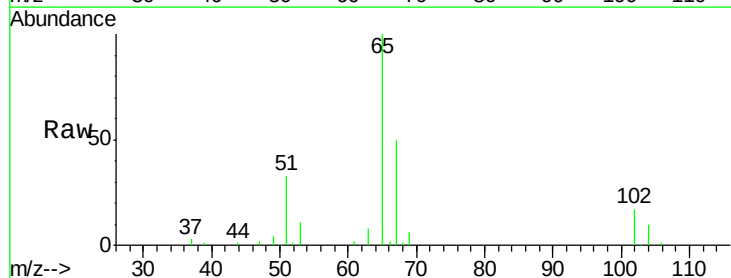
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130485ZHE#01

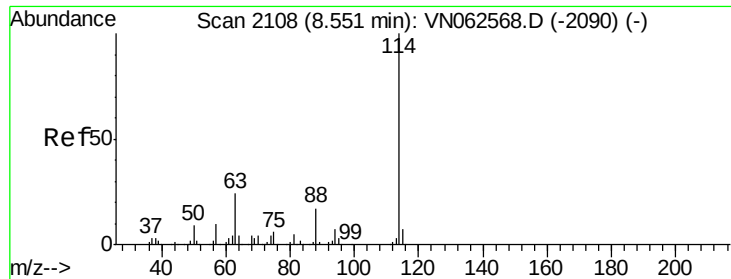
Tot Ion: 84 Resp: 7789  
Ion Ratio Lower Upper  
84 100  
49 105.3 109.4 164.0#  
51 38.0 33.6 50.4  
86 57.2 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.542 ug/l  
RT: 7.99 min Scan# 1933  
Delta R.T. -0.00 min  
Lab File: VN062604.D  
Acq: 27 Jul 2020 17:35

Tgt Ion: 65 Resp: 112375  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 106.0

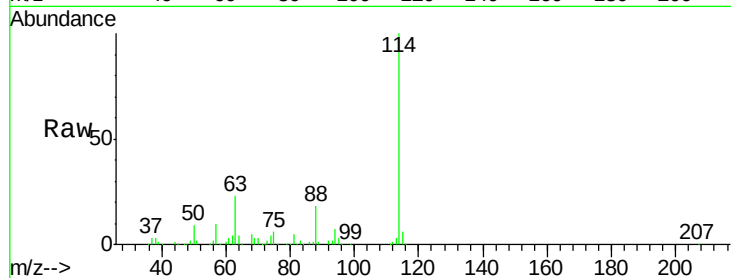




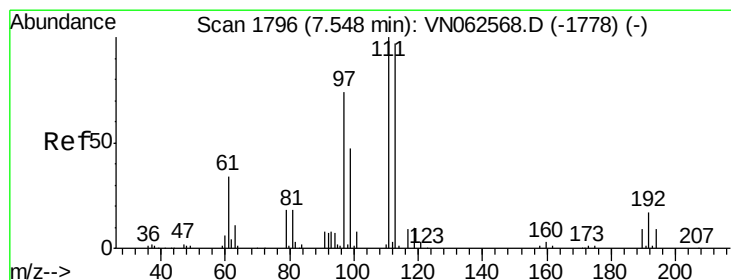
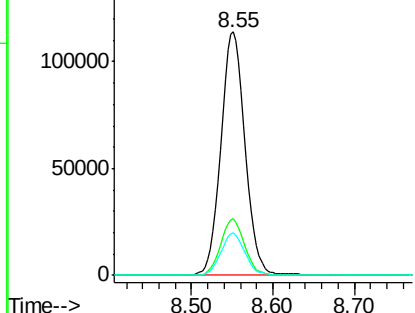
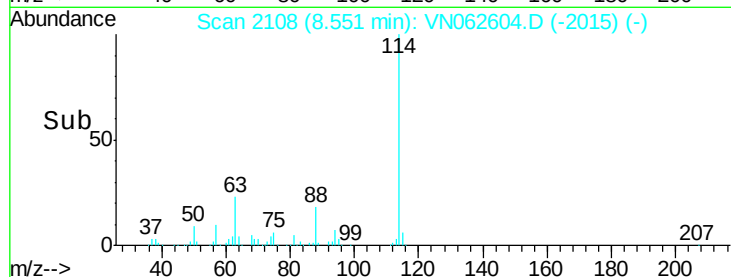
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN062604.D  
 Acq: 27 Jul 2020 17:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130485ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.1  | 0.0   | 48.4  |
| 88      | 17.6  | 0.0   | 33.8  |

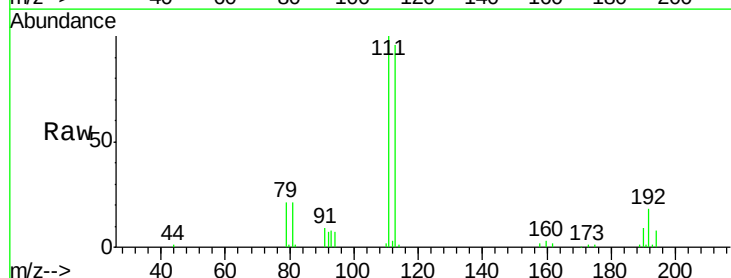


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

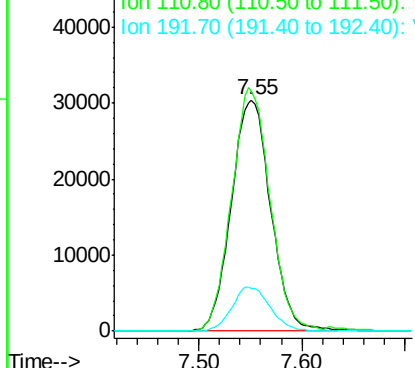
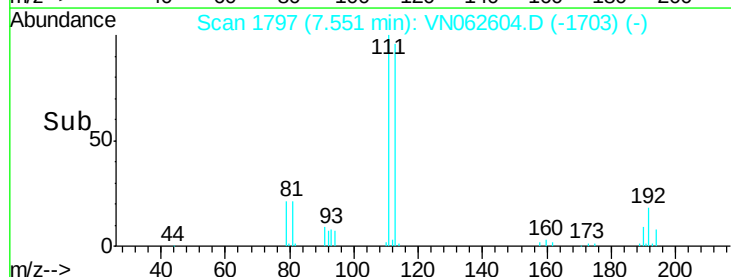


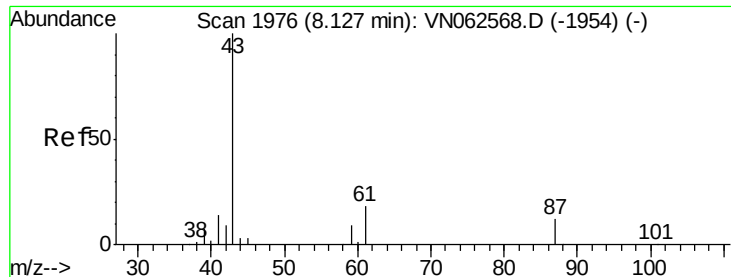
#35  
 Dibromofluoromethane  
 Concen: 51.208 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VN062604.D  
 Acq: 27 Jul 2020 17:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 82.7  | 124.1 |
| 192     | 18.5  | 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: 10.098 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062604.D

Acq: 27 Jul 2020 17:35

Instrument :

MSVOA\_N

ClientSampleId :

PB130485ZHE#01

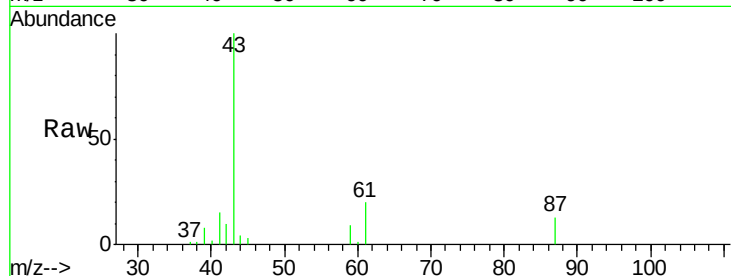
Tot Ion: 43 Resp: 44779

Ion Ratio Lower Upper

43 100

61 18.9 20.8 31.2#

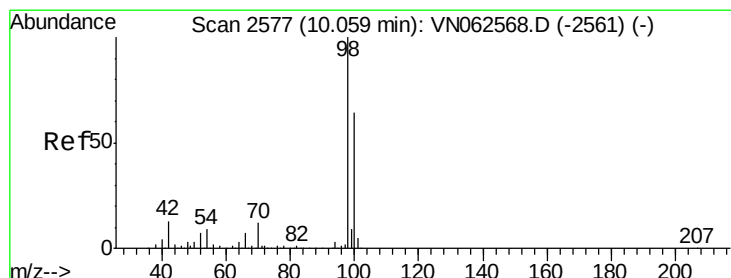
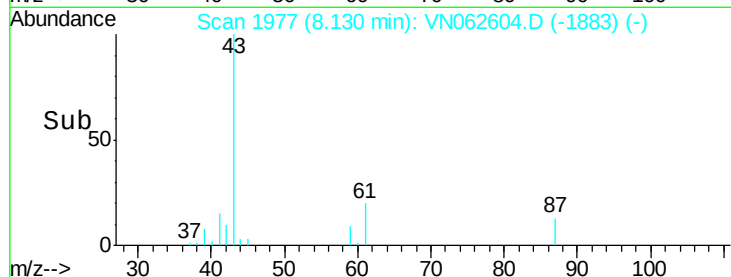
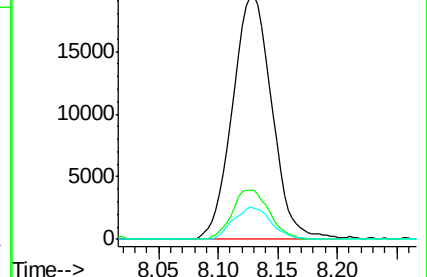
87 12.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062568.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062568.D (-1954) (-)



#50

Toluene-d8

Concen: 49.237 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062604.D

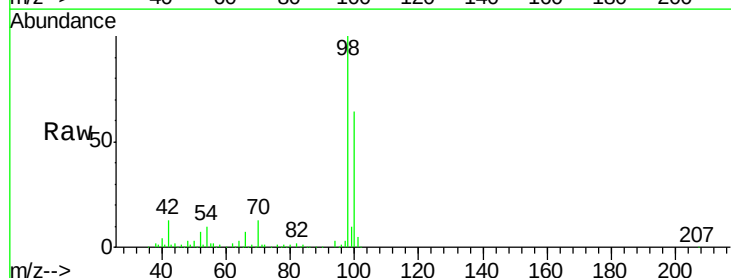
Acq: 27 Jul 2020 17:35

Tgt Ion: 98 Resp: 308929

Ion Ratio Lower Upper

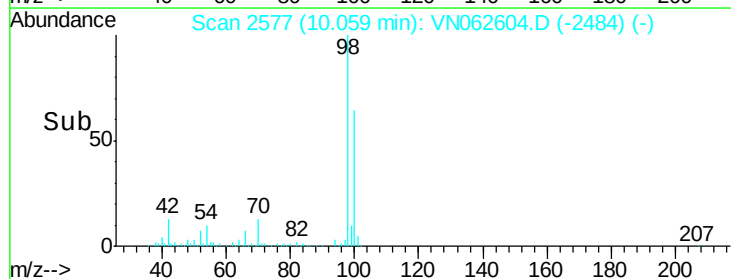
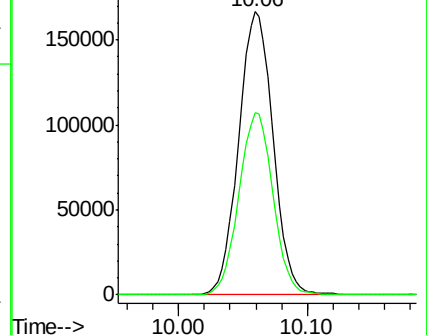
98 100

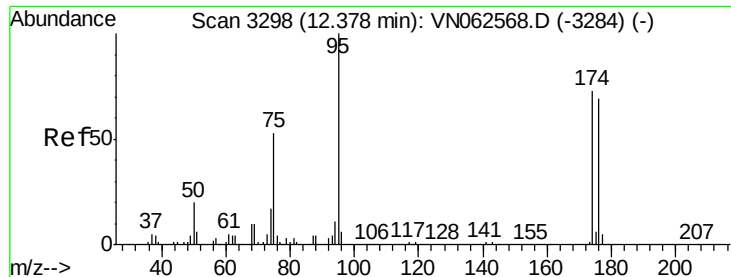
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062568.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062568.D (-2561) (-)

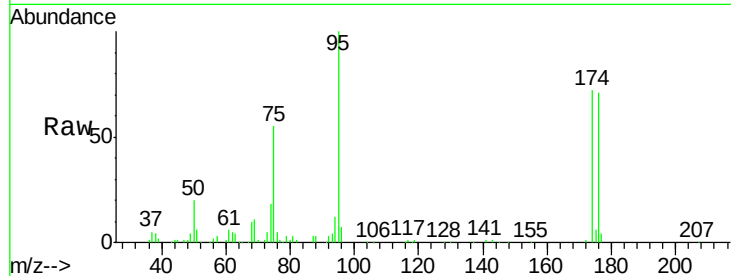




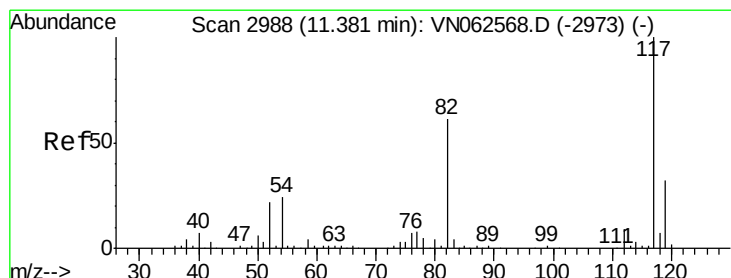
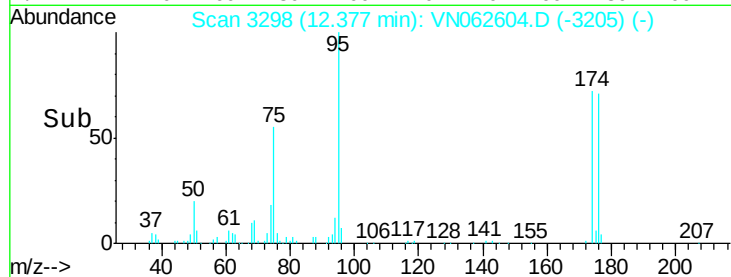
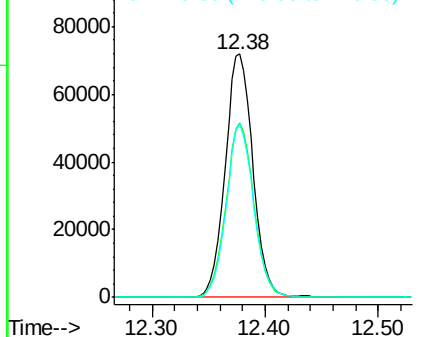
#62  
4-Bromofluorobenzene  
Concen: 53.402 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. -0.00 min  
Lab File: VN062604.D  
Acq: 27 Jul 2020 17:35

Instrument :  
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Tot Ion: 95 Resp: 122512  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 144.6  
176 70.4 0.0 139.4

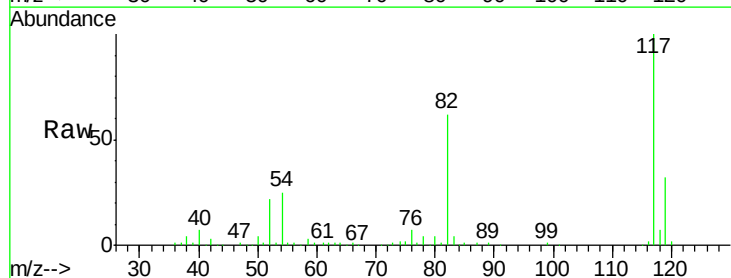


Abundance Ion 94.90 (94.60 to 95.60): VN062604.D (-3295) (-)  
Ion 173.80 (173.50 to 174.50): VN062604.D (-3295) (-)  
Ion 175.80 (175.50 to 176.50): VN062604.D (-3295) (-)

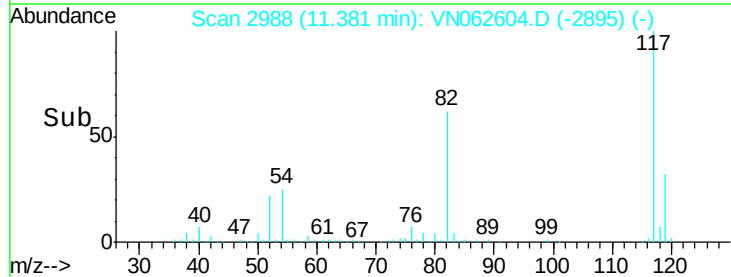
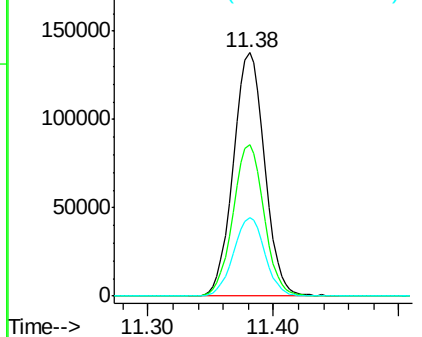


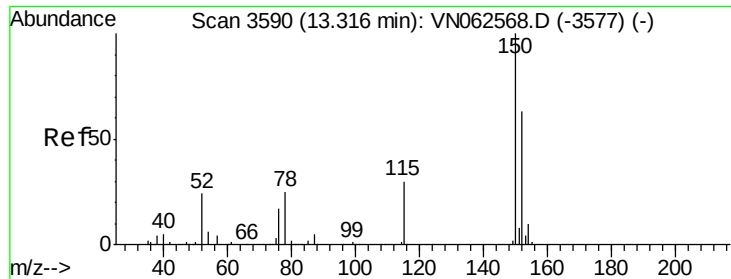
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062604.D  
Acq: 27 Jul 2020 17:35

Tgt Ion: 117 Resp: 239725  
Ion Ratio Lower Upper  
117 100  
82 62.0 49.0 73.6  
119 32.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062604.D (-2895) (-)  
Ion 82.00 (81.70 to 82.70): VN062604.D (-2895) (-)  
Ion 118.90 (118.60 to 119.60): VN062604.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: VN062604.D

Acq: 27 Jul 2020 17:35

Instrument :

MSVOA\_N

ClientSampleId :

PB130485ZHE#01

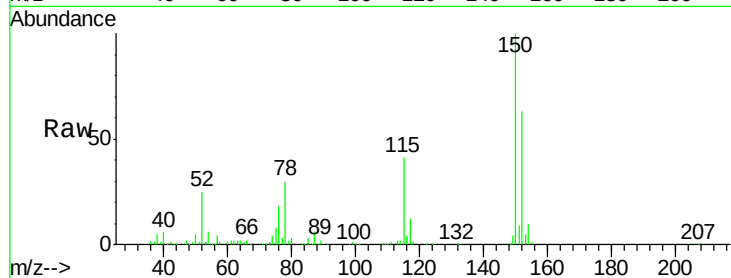
Tot Ion:152 Resp: 102219

Ion Ratio Lower Upper

152 100

115 63.8 31.8 95.4

150 155.5 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

