

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN062420\  
 Data File : VN062080.D  
 Acq On : 24 Jun 2020 22:38  
 Operator : JC/MD  
 Sample : VN0624MBL01  
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0624MBL01

Quant Time: Jun 25 05:33:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

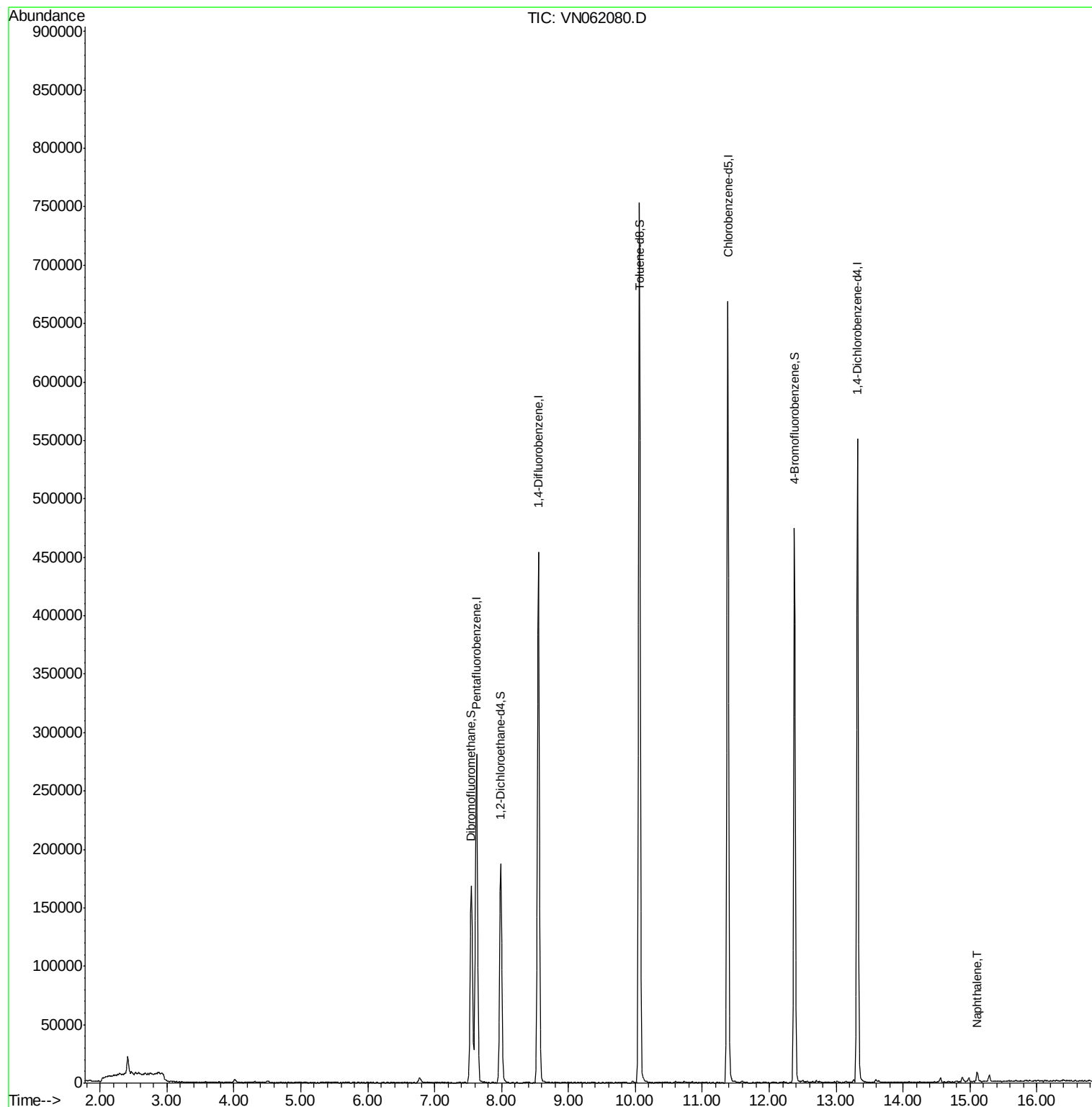
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 223419   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 420648   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 396208   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 148058   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 156720   | 49.99 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.98% |           |
| 35) Dibromofluoromethane    | 7.55  | 113  | 133740   | 49.56 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.12% |           |
| 50) Toluene-d8              | 10.06 | 98   | 521491   | 48.34 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.68% |           |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 169783   | 46.58 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.16% |           |
| Target Compounds            |       |      |          |       |        |           |
| 95) Naphthalene             | 15.11 | 128  | 8355     | 5.084 | ug/l   | Qvalue 98 |

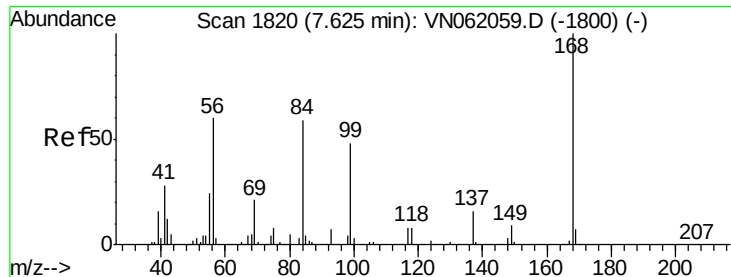
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN062420\  
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Acq On : 24 Jun 2020 22:38  
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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0624MBL01

Quant Time: Jun 25 05:33:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 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: VN062080.D

Acq: 24 Jun 2020 22:38

Instrument :

MSVOA\_N

ClientSampled :

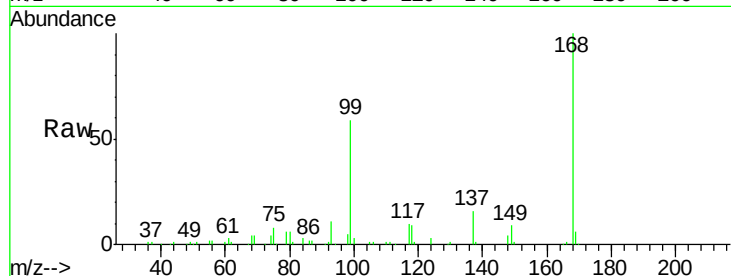
VN0624MBL01

Tot Ion:168 Resp: 223419

Ion Ratio Lower Upper

168 100

99 59.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

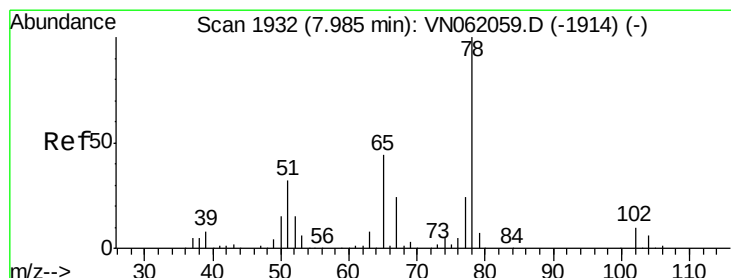
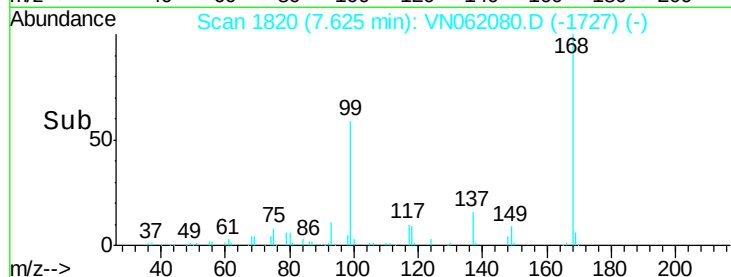
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 49.985 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062080.D

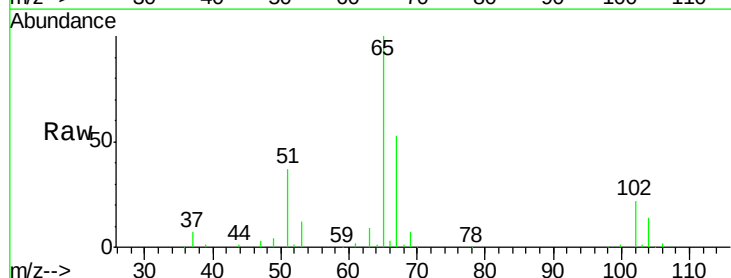
Acq: 24 Jun 2020 22:38

Tgt Ion: 65 Resp: 156720

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

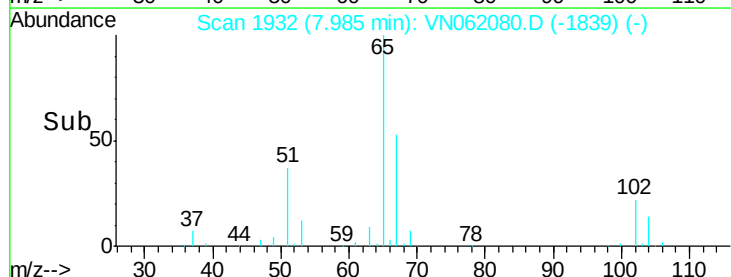
60000

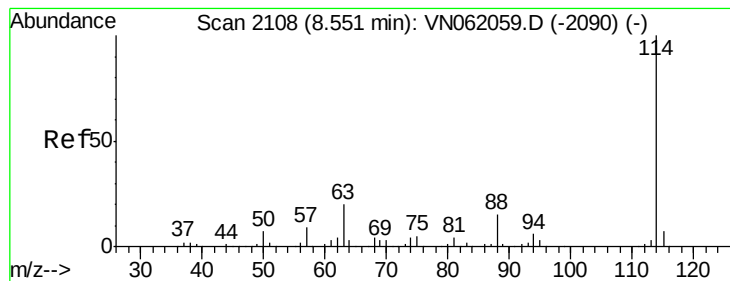
40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062080.D

Acq: 24 Jun 2020 22:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0624MBL01

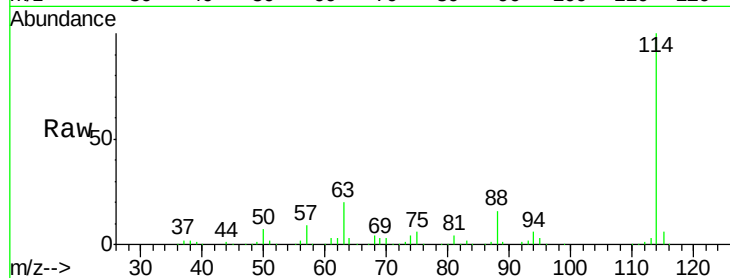
Tot Ion:114 Resp: 420648

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

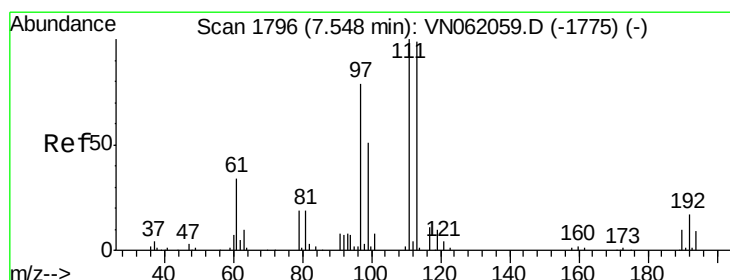
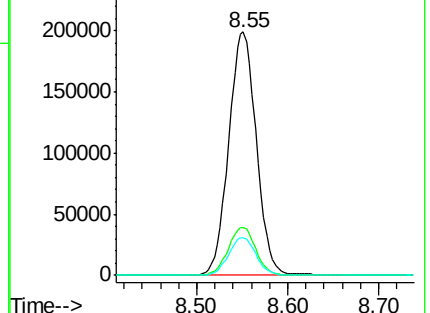
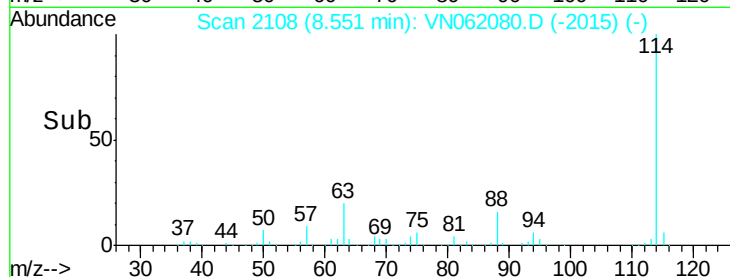
88 15.5 0.0 30.8



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: 49.558 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062080.D

Acq: 24 Jun 2020 22:38

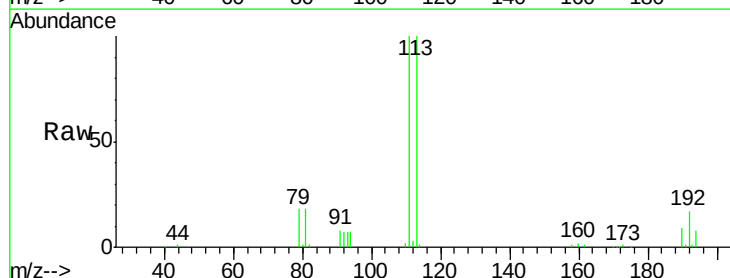
Tgt Ion:113 Resp: 133740

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

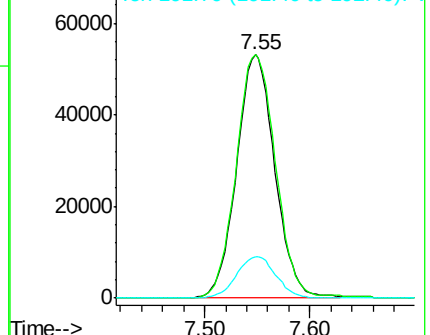
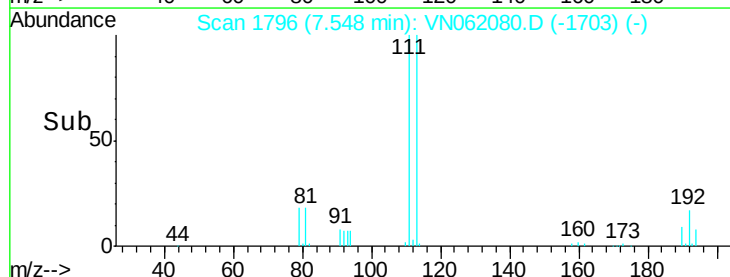
192 17.6 14.0 21.0

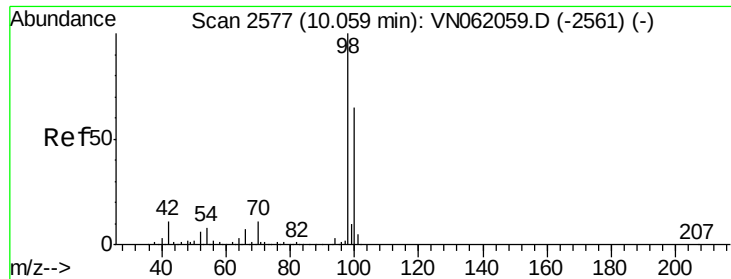


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.342 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062080.D

Acq: 24 Jun 2020 22:38

Instrument :

MSVOA\_N

ClientSampleId :

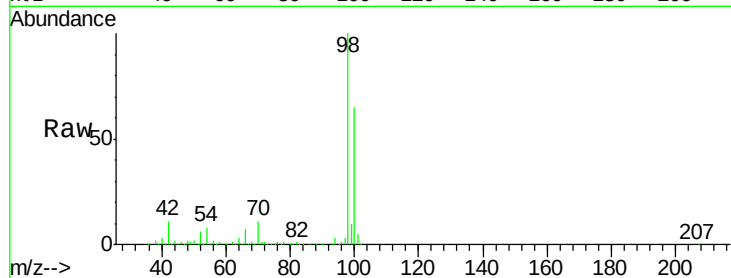
VN0624MBL01

Tot Ion: 98 Resp: 521491

Ion Ratio Lower Upper

98 100

100 65.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062059.D (-2561) (-)

10.06

300000

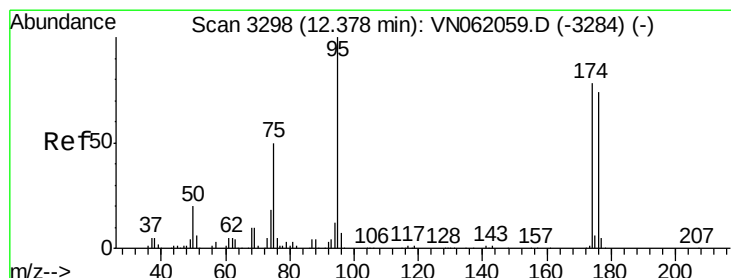
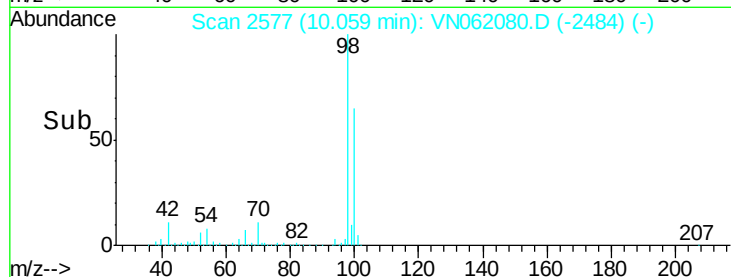
200000

100000

0

10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 46.585 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062080.D

Acq: 24 Jun 2020 22:38

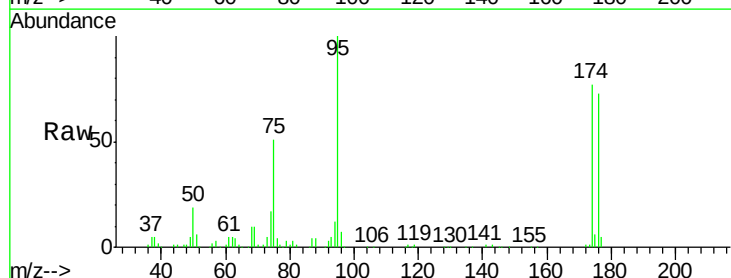
Tgt Ion: 95 Resp: 169783

Ion Ratio Lower Upper

95 100

174 76.5 0.0 154.8

176 73.3 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062059.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062059.D (-3284) (-)

12.38

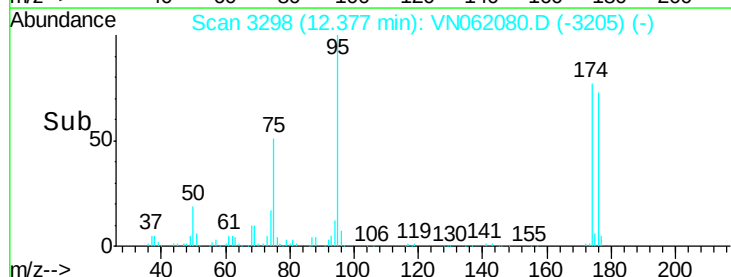
100000

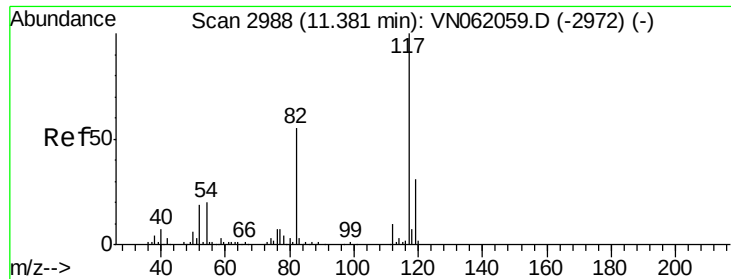
50000

0

12.30 12.40

Time-->

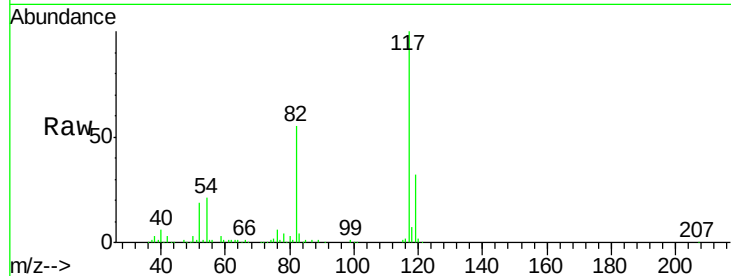




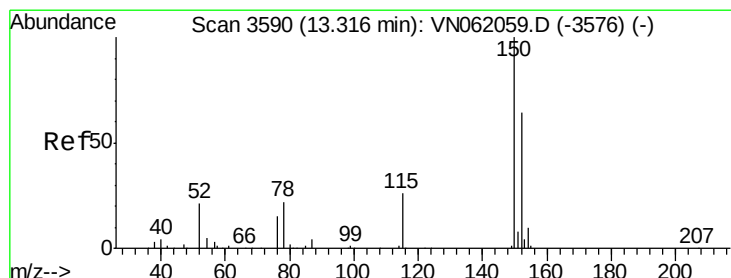
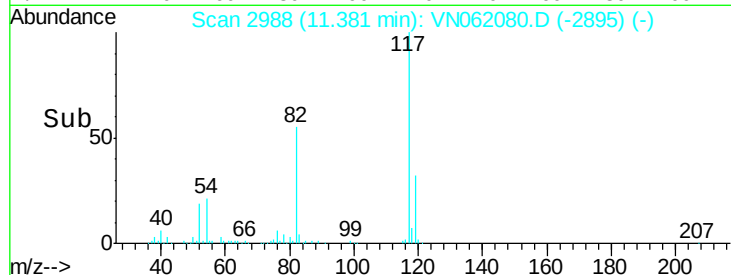
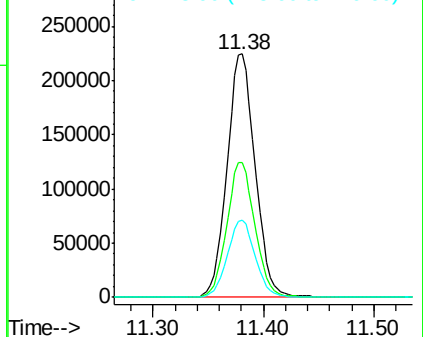
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062080.D  
Acq: 24 Jun 2020 22:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0624MBL01

Tot Ion:117 Resp: 396208  
Ion Ratio Lower Upper  
117 100  
82 55.4 43.8 65.8  
119 32.0 25.2 37.8

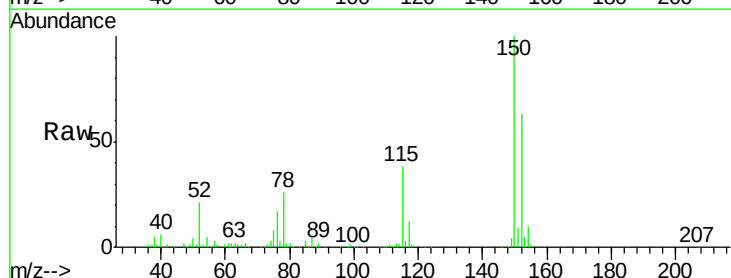


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

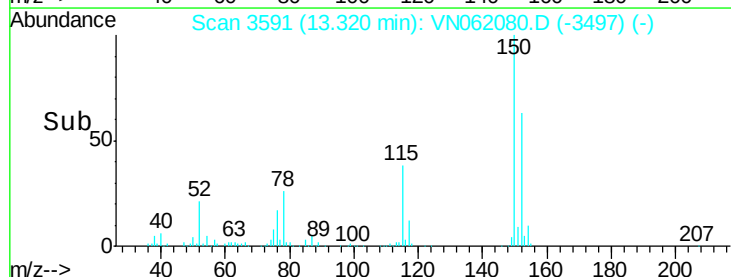
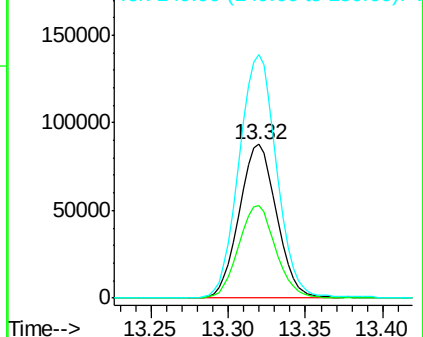


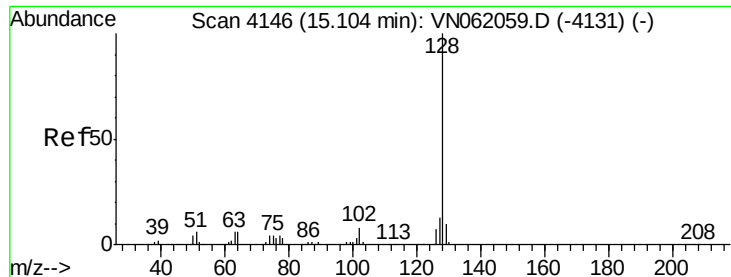
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN062080.D  
Acq: 24 Jun 2020 22:38

Tgt Ion:152 Resp: 148058  
Ion Ratio Lower Upper  
152 100  
115 59.6 29.5 88.5  
150 159.1 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

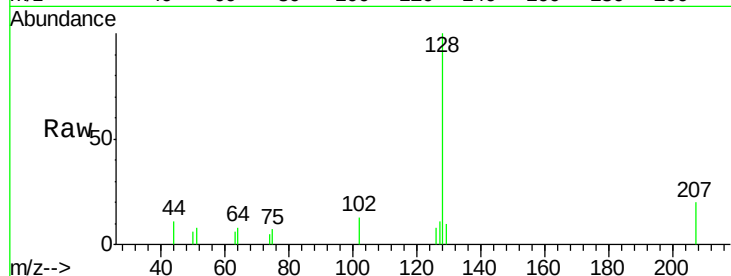




#95  
Naphthalene  
Concen: 5.084 ug/l  
RT: 15.11 min Scan# 4147  
Delta R.T. 0.00 min  
Lab File: VN062080.D  
Acq: 24 Jun 2020 22:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0624MBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.5  | 10.5  | 15.7  |
| 129     | 9.9   | 8.6   | 13.0  |



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

