

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\  
 Data File : VN057488.D  
 Acq On : 23 Aug 2019 22:10  
 Operator : JC/SP  
 Sample : K4472-32  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T2-S3(2.5)

Quant Time: Aug 26 05:57:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082219W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 23 05:07:29 2019  
 Response via : Initial Calibration

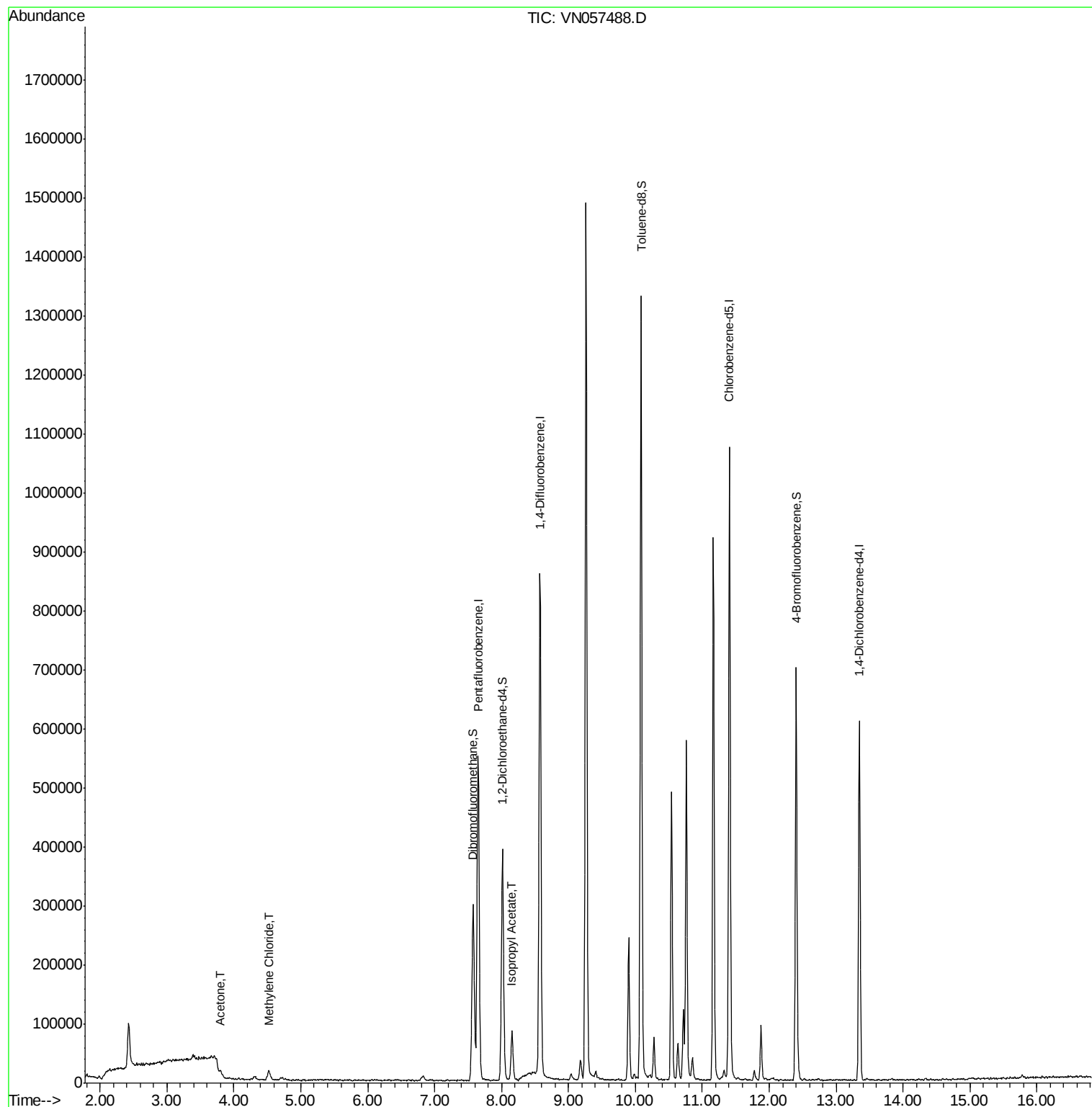
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 394490   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 691756   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 565612   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 142858   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 324481   | 46.76 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.52% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 219308   | 46.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.88% |          |
| 50) Toluene-d8              | 10.08 | 98   | 854574   | 48.37 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.74% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 238447   | 39.83 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.66% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.80  | 43   | 16078    | 5.045 | ug/l # | 87       |
| 20) Methylene Chloride      | 4.52  | 84   | 9407     | 1.919 | ug/l   | 91       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 101133   | 7.897 | ug/l   | 98       |

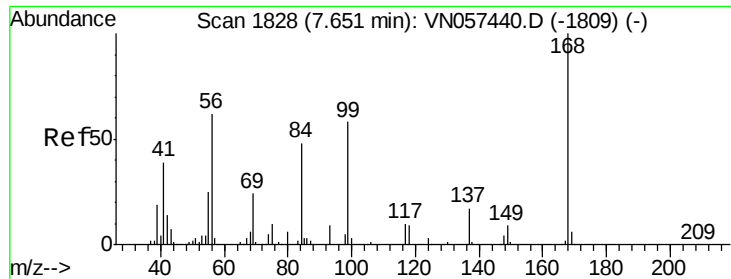
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082419\  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-S3(2.5)

Quant Time: Aug 26 05:57:57 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N082219W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 23 05:07:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA\_N

ClientSampleId :

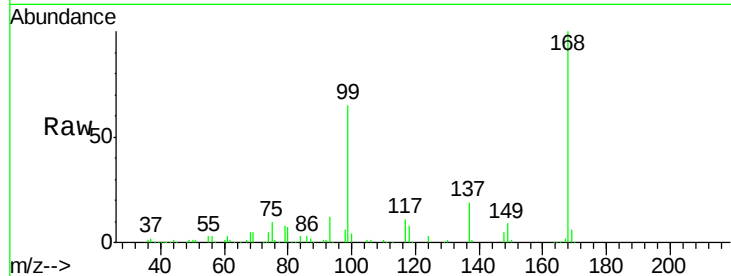
T2-S3(2.5)

Tot Ion:168 Resp: 394490

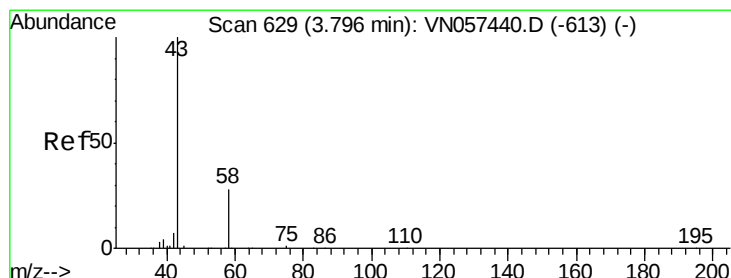
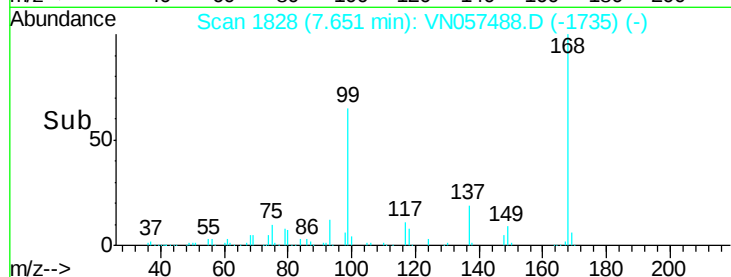
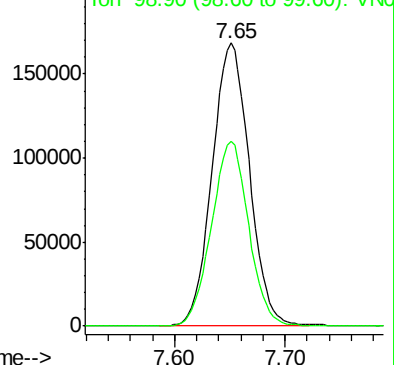
Ion Ratio Lower Upper

168 100

99 65.5 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)



#16

Acetone

Concen: 5.045 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057488.D

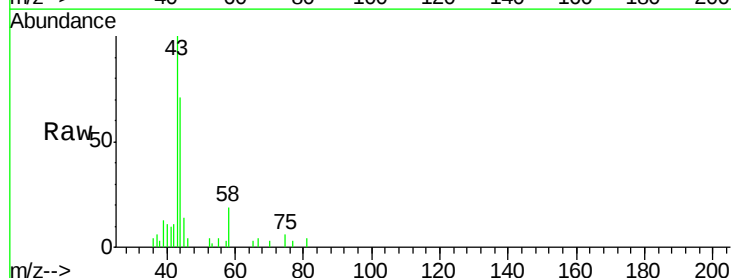
Acq: 23 Aug 2019 22:10

Tgt Ion: 43 Resp: 16078

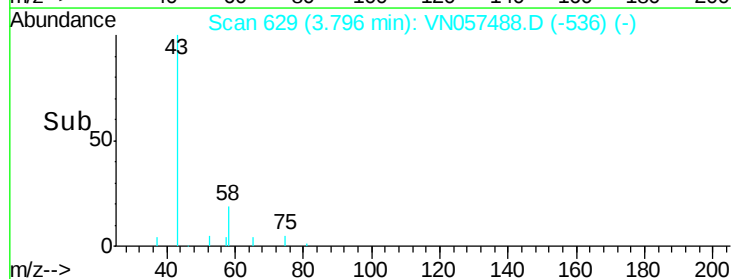
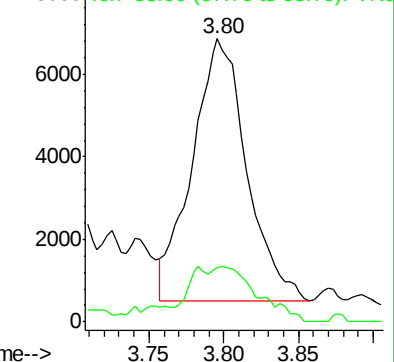
Ion Ratio Lower Upper

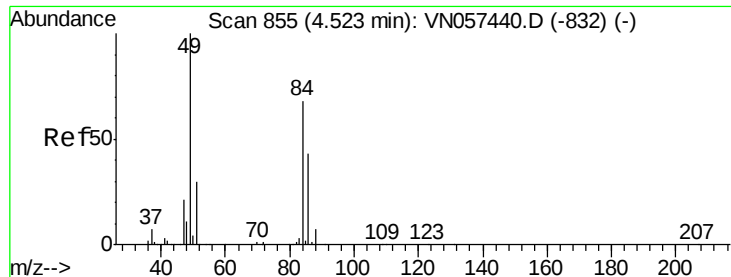
43 100

58 20.7 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-613) (-)

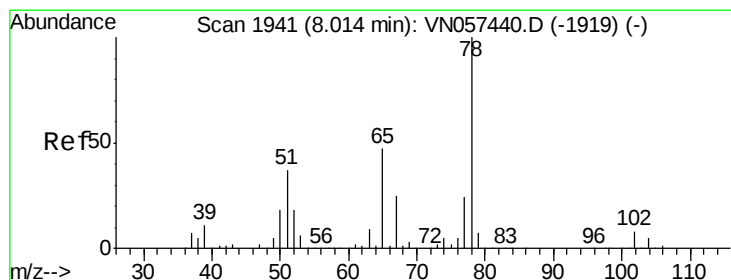
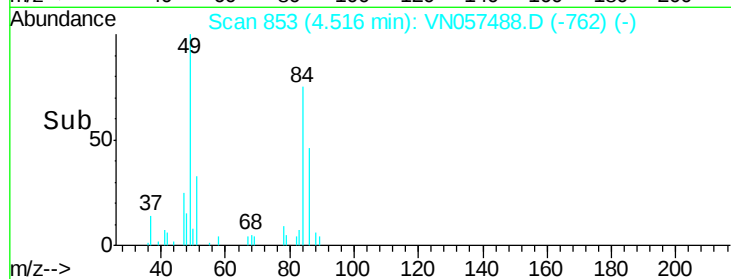
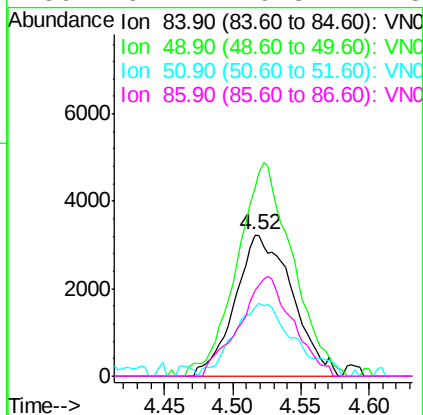
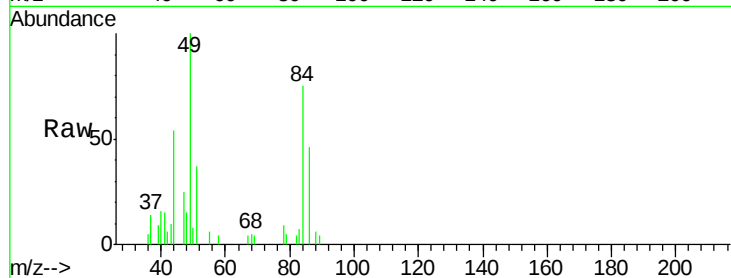




#20  
Methvlene Chloride  
Concen: 1.919 ug/l  
RT: 4.52 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: VN057488.D  
Acq: 23 Aug 2019 22:10

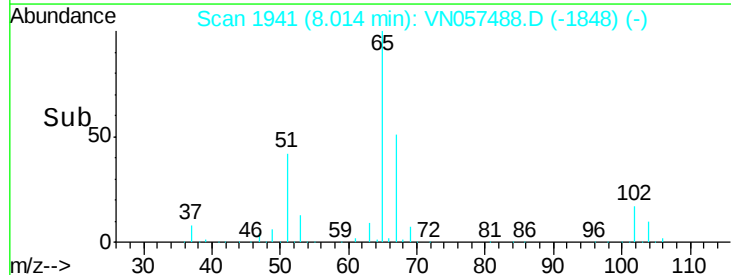
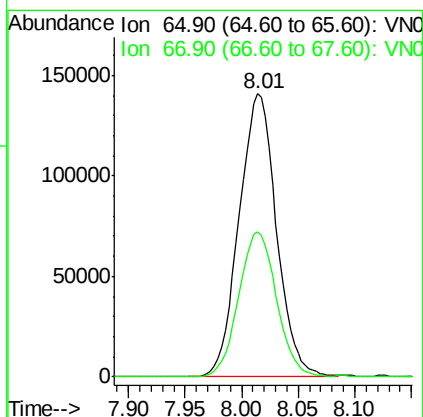
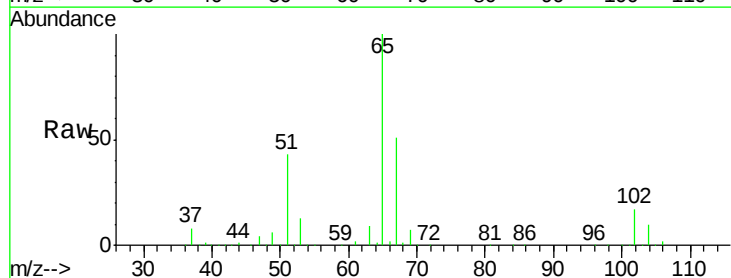
Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-S3(2.5)

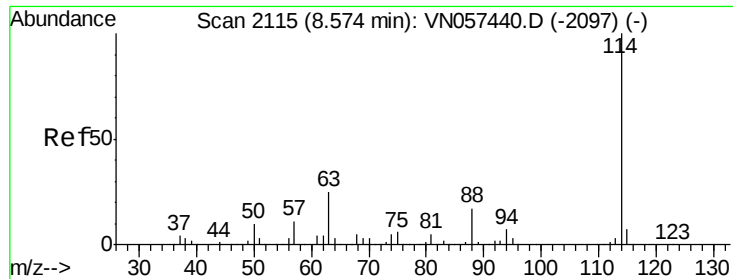
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 9407  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.4 | 117.0 | 175.4 |
| 51       | 42.9  | 35.5  | 53.3  |
| 86       | 61.2  | 49.8  | 74.8  |



#33  
1,2-Dichloroethane-d4  
Concen: 46.758 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. -0.00 min  
Lab File: VN057488.D  
Acq: 23 Aug 2019 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 324481 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.9  | 0.0   | 103.8  |

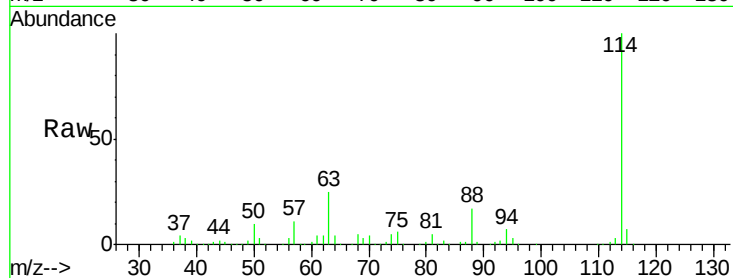




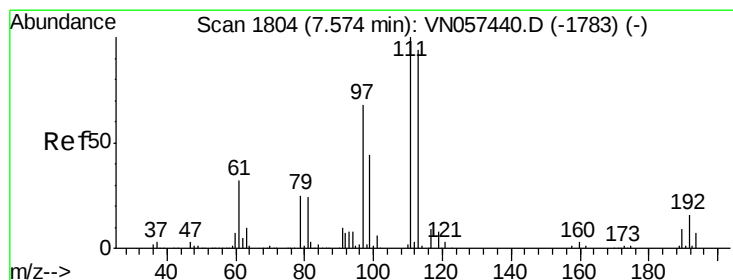
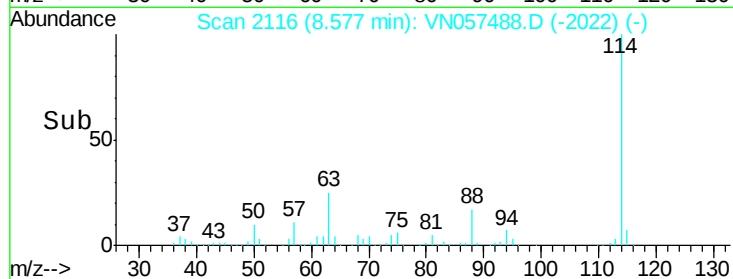
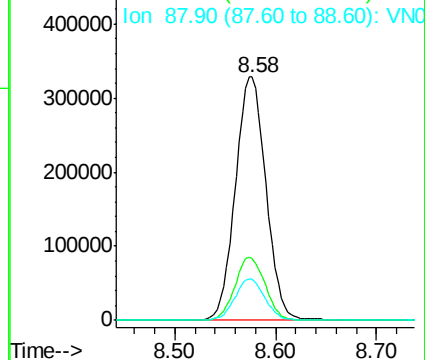
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057488.D  
 Acq: 23 Aug 2019 22:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T2-S3(2.5)

Tot Ion:114 Resp: 691756  
 Ion Ratio Lower Upper  
 114 100  
 63 25.2 0.0 50.2  
 88 16.9 0.0 34.6

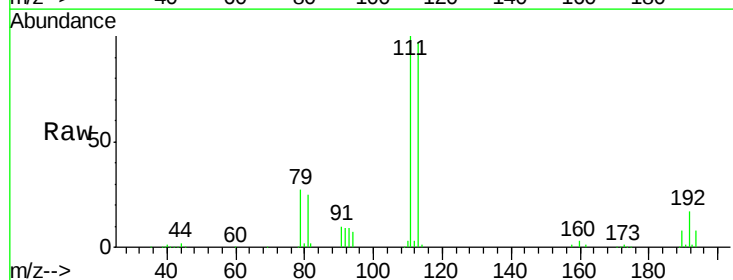


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

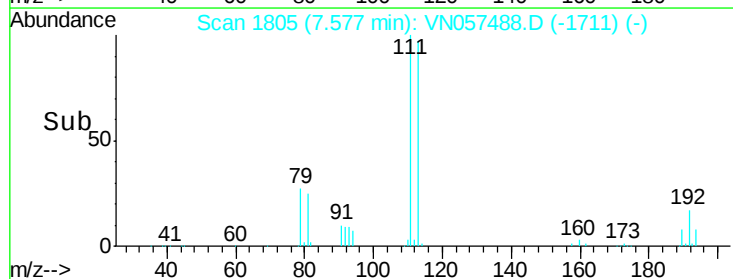
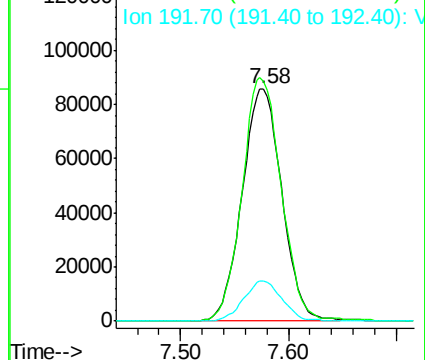


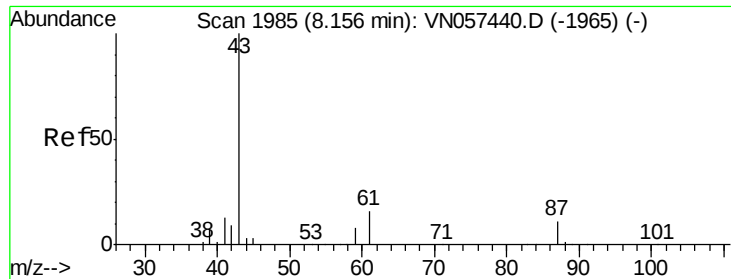
#35  
 Dibromofluoromethane  
 Concen: 46.936 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN057488.D  
 Acq: 23 Aug 2019 22:10

Tgt Ion:113 Resp: 219308  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 83.8 125.6  
 192 16.8 13.5 20.3



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: 7.897 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA\_N

ClientSampleId :

T2-S3(2.5)

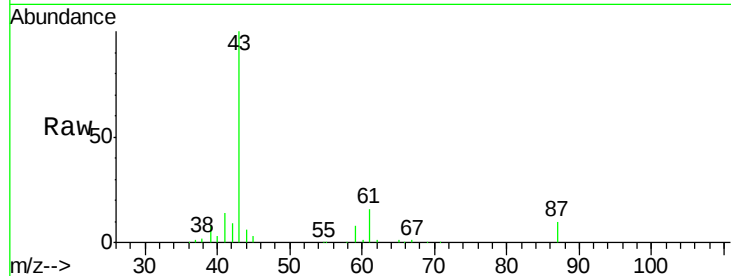
Tot Ion: 43 Resp: 101133

Ion Ratio Lower Upper

43 100

61 16.7 14.5 21.7

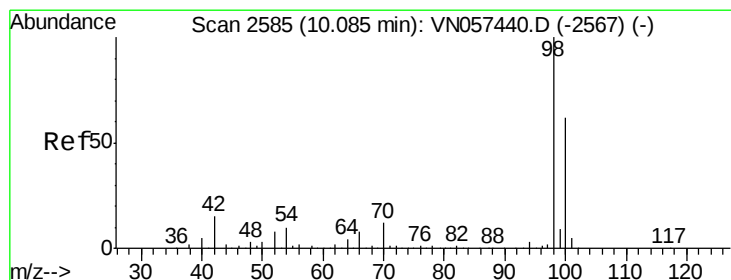
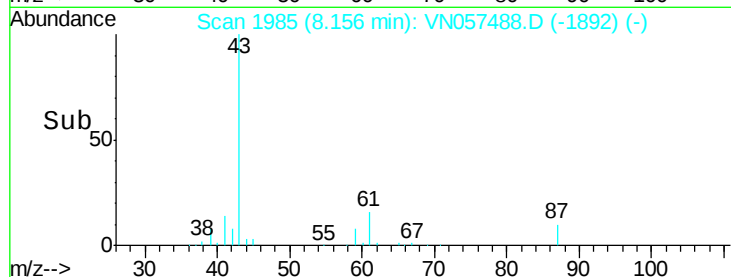
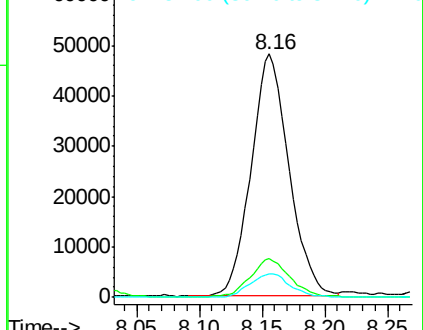
87 10.3 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.369 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057488.D

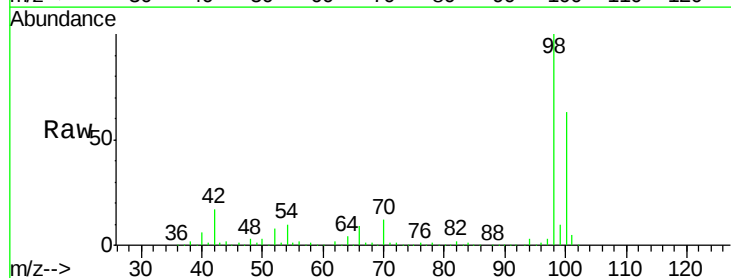
Acq: 23 Aug 2019 22:10

Tgt Ion: 98 Resp: 854574

Ion Ratio Lower Upper

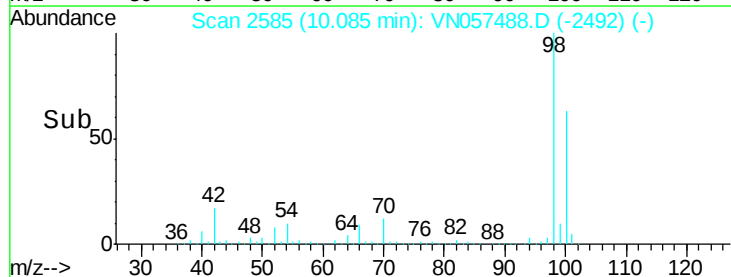
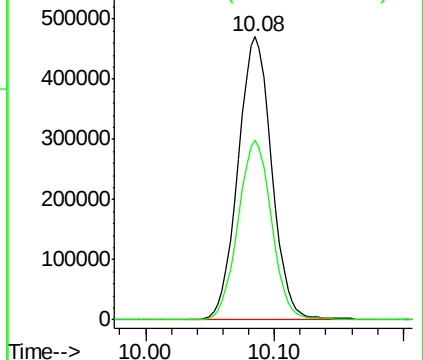
98 100

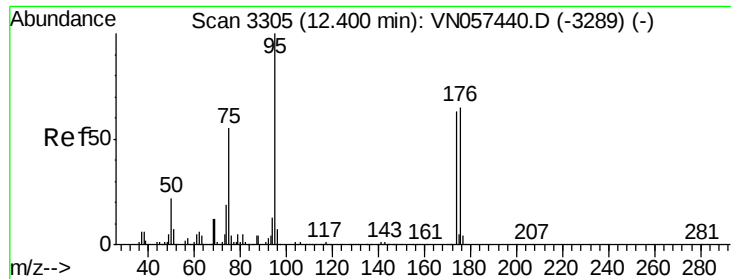
100 63.5 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

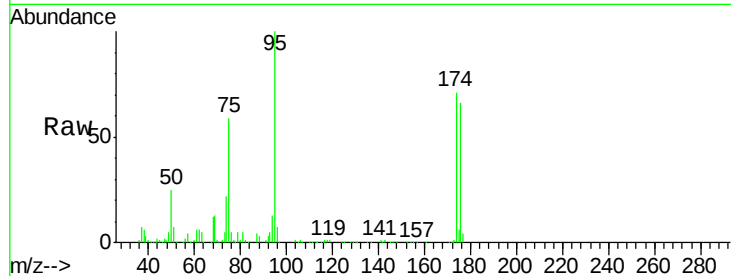




#62  
4-Bromofluorobenzene  
Concen: 39.825 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057488.D  
Acq: 23 Aug 2019 22:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
T2-S3(2.5)

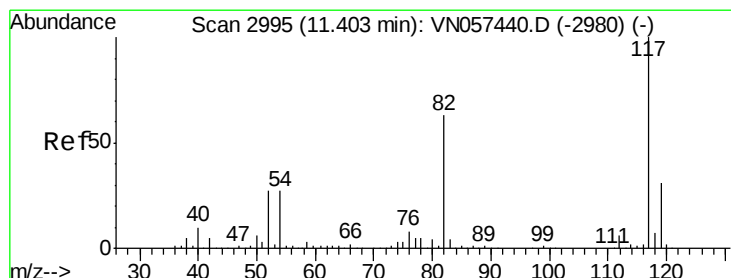
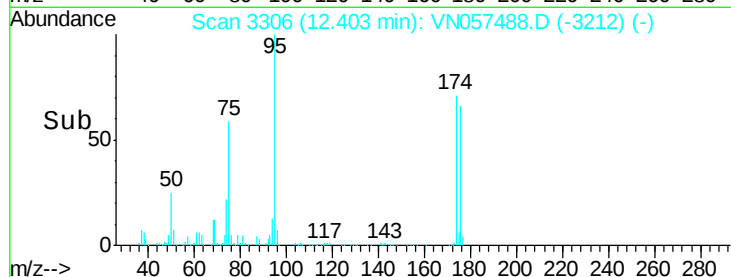
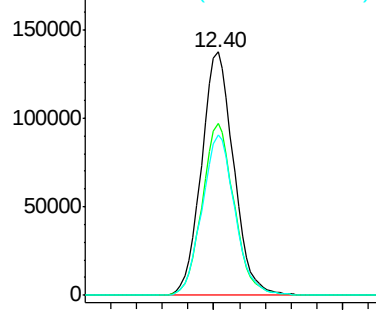
| Tot Ion   | 95    | Resp  | 238447 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 69.9  | 0.0   | 133.0  |
| 176       | 67.0  | 0.0   | 130.8  |



Abundance Ion 94.90 (94.60 to 95.60): VN057440.D (-3289) (-)

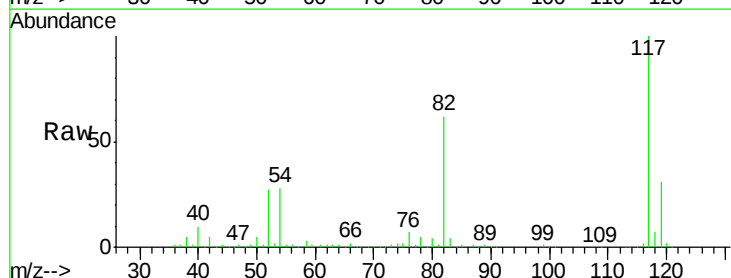
Ion 173.80 (173.50 to 174.50): VN057440.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN057440.D (-3289) (-)



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057488.D  
Acq: 23 Aug 2019 22:10

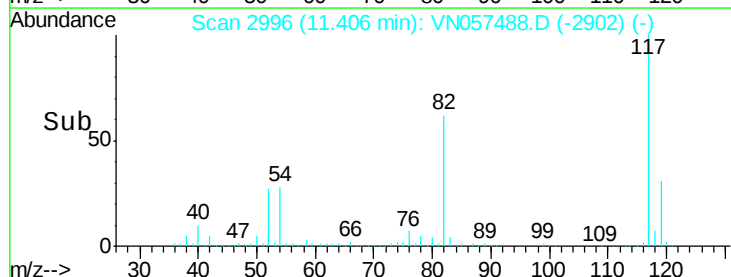
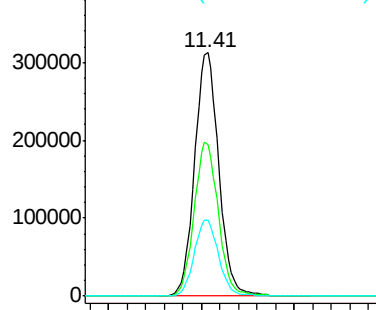
| Tgt Ion   | 117   | Resp  | 565612 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 62.0  | 50.6  | 75.8   |
| 119       | 31.0  | 24.6  | 36.8   |

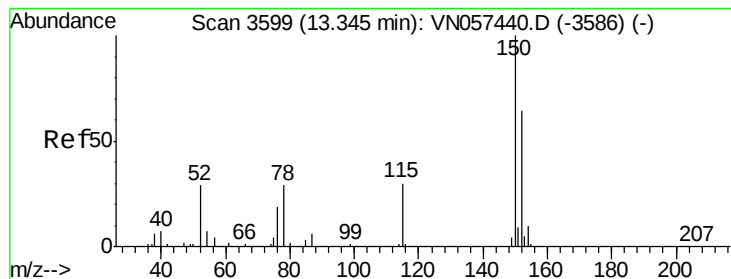


Abundance Ion 116.90 (116.60 to 117.60): VN057440.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN057440.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN057440.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057488.D

Acq: 23 Aug 2019 22:10

Instrument :

MSVOA\_N

ClientSampleId :

T2-S3(2.5)

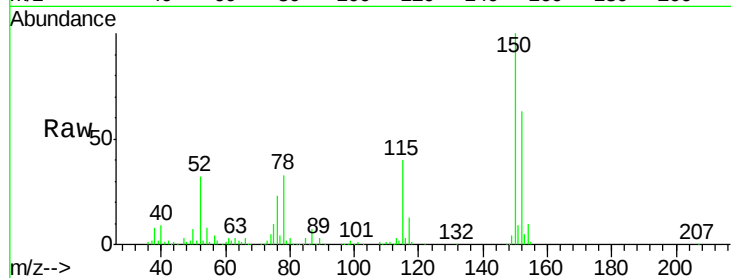
Tot Ion:152 Resp: 142858

Ion Ratio Lower Upper

152 100

115 63.2 32.0 96.0

150 159.5 0.0 346.6



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

