

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\  
 Data File : VN059499.D  
 Acq On : 5 Dec 2019 14:48  
 Operator : JC/SP  
 Sample : K6141-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CMJ-01-COMP

Quant Time: Dec 06 01:04:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 16:37:42 2019  
 Response via : Initial Calibration

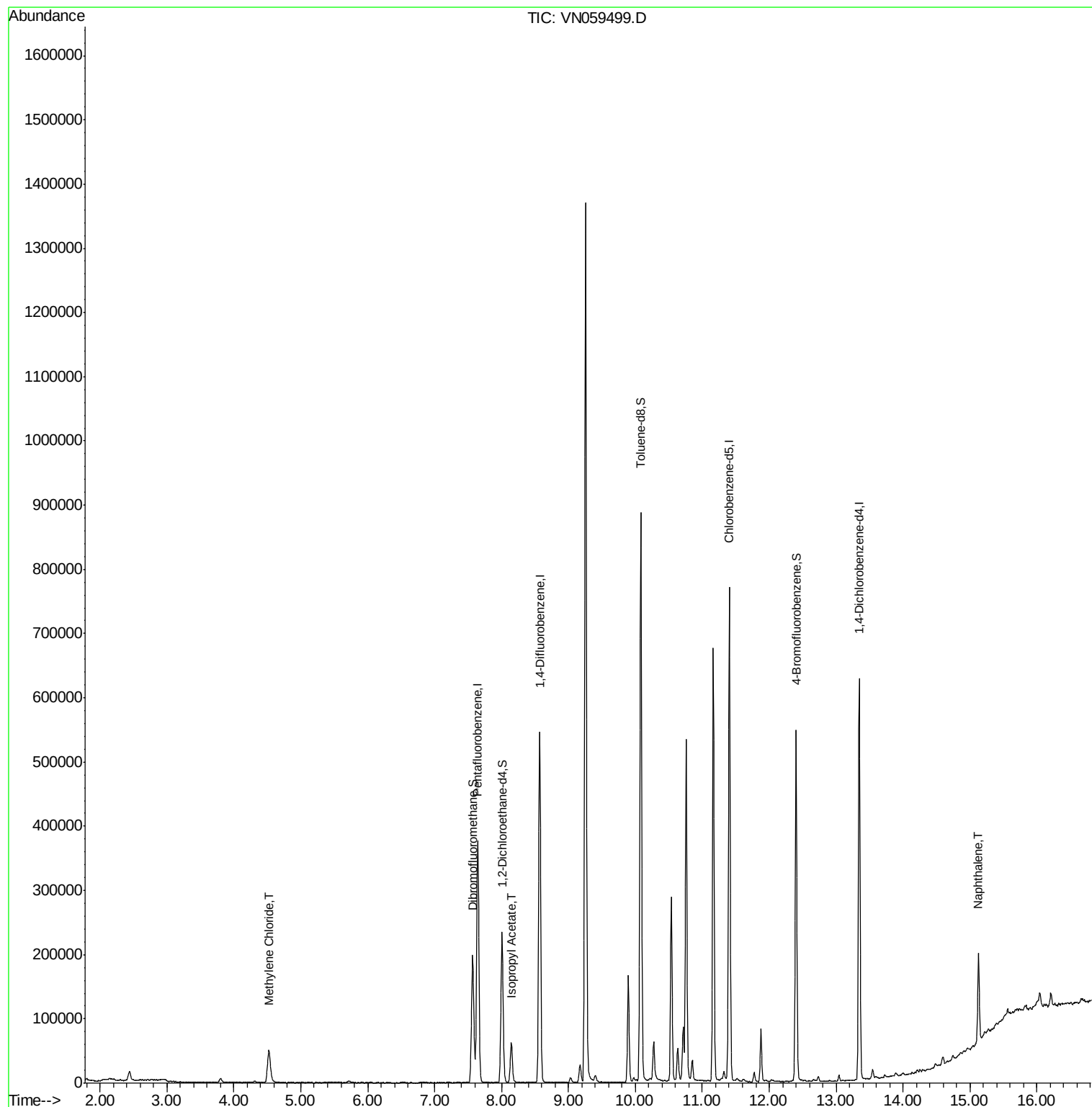
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 307627   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 489634   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 445980   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 169250   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 202035   | 52.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.74% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 152366   | 49.96  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 614979   | 51.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.30% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 198050   | 47.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.52  | 84   | 39596    | 10.042 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 73192    | 8.646  | ug/l #  | 91       |
| 95) Naphthalene             | 15.13 | 128  | 114904   | 13.766 | ug/l    | 100      |

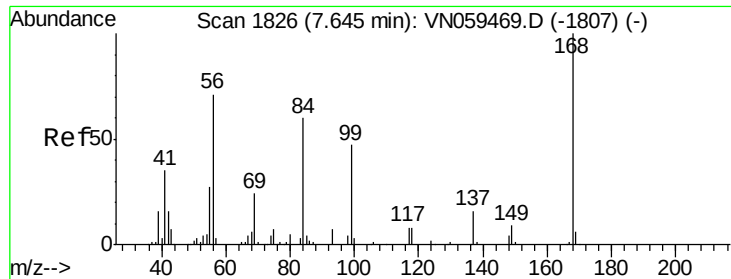
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 03 16:37:42 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

Instrument :

MSVOA\_N

ClientSampleId :

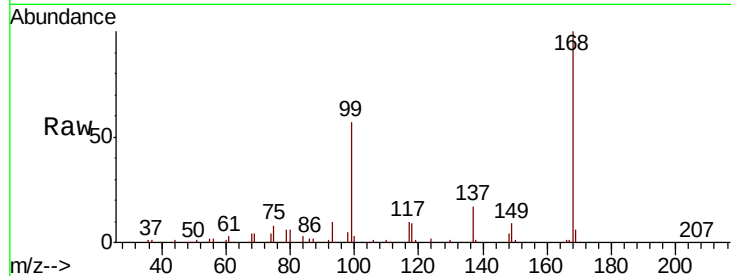
CMJ-01-COMP

Tot Ion:168 Resp: 307627

Ion Ratio Lower Upper

168 100

99 57.4 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

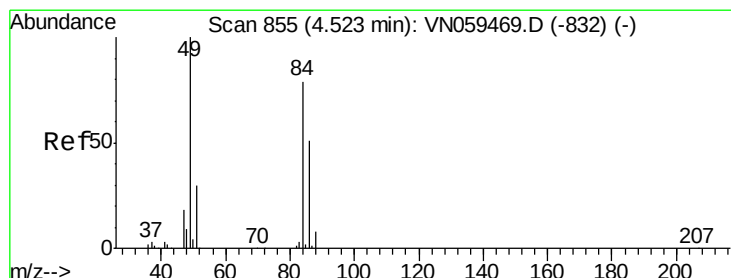
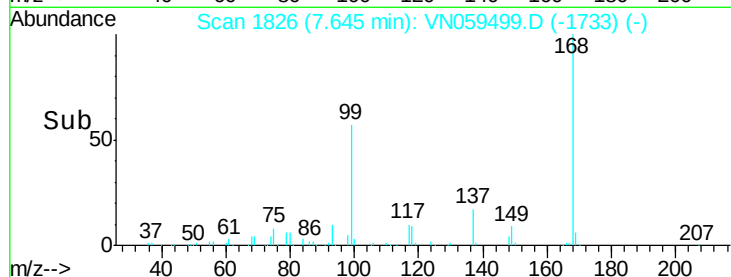
100000

50000

0

7.60 7.70

Time-->



#20

Methylene Chloride

Concen: 10.042 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

Tgt Ion: 84 Resp: 39596

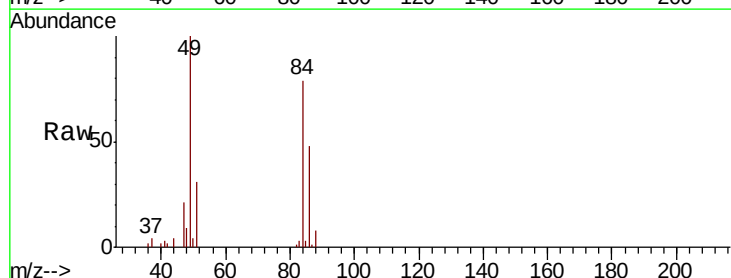
Ion Ratio Lower Upper

84 100

49 126.7 101.1 151.7

51 39.7 30.7 46.1

86 61.4 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

25000

20000

15000

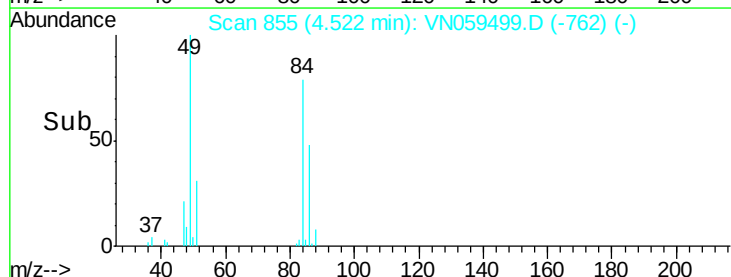
10000

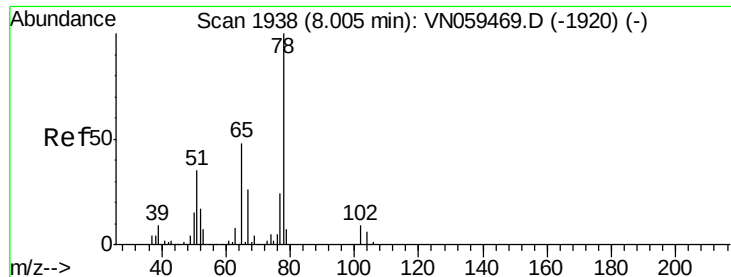
5000

0

4.40 4.50 4.60 4.70

Time-->

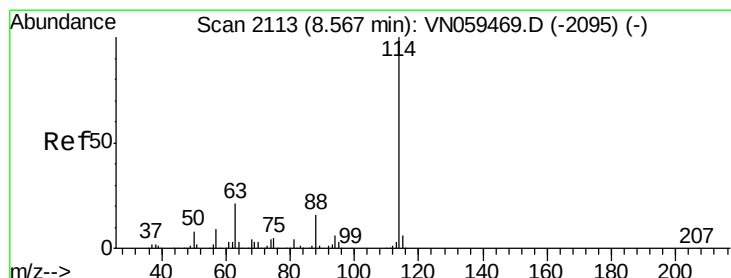
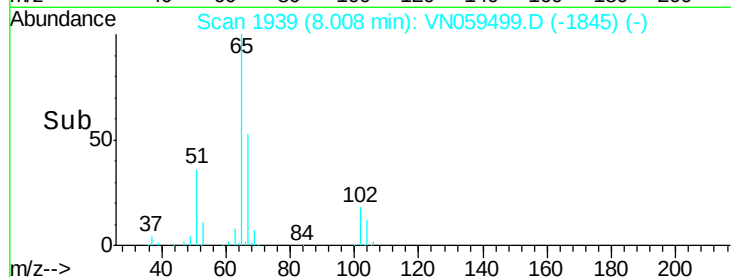
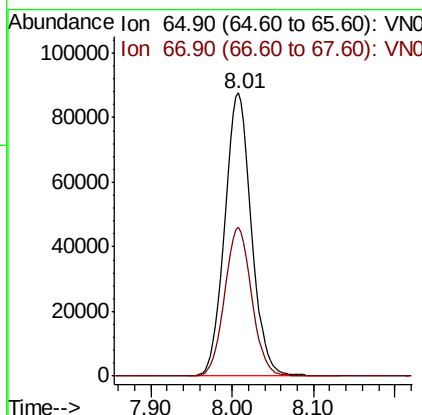
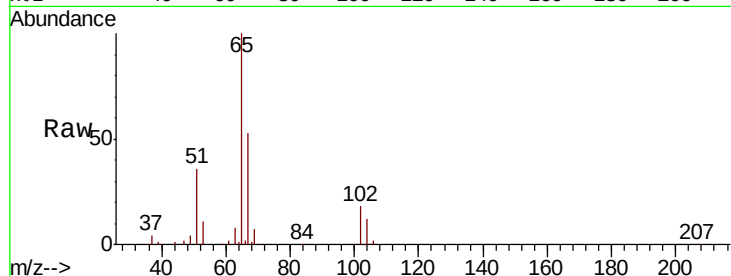




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.867 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN059499.D  
 Acq: 5 Dec 2019 14:48

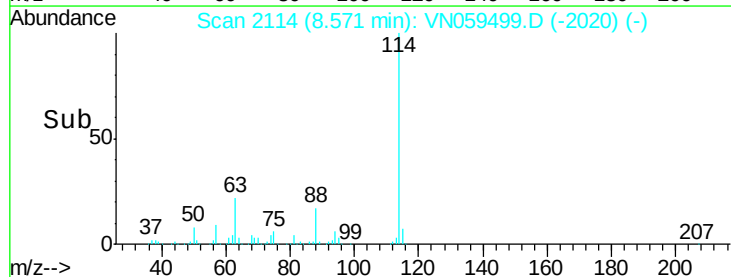
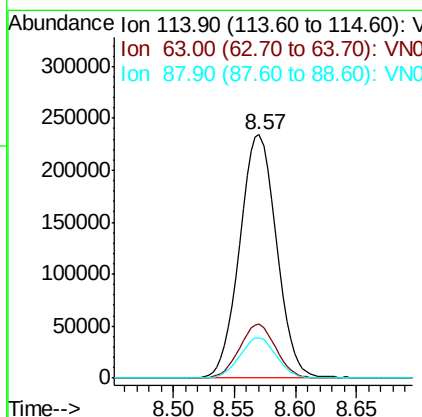
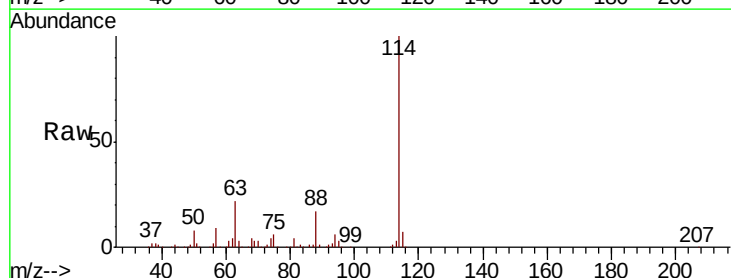
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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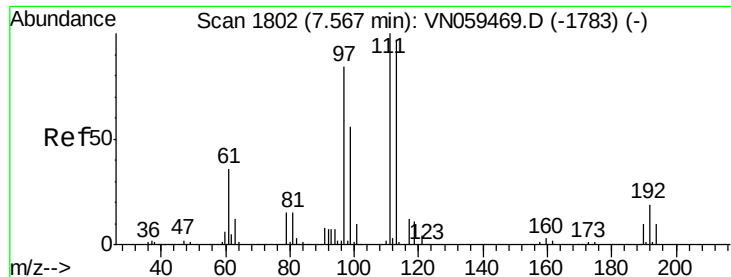
Tot Ion: 65 Resp: 202035  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059499.D  
 Acq: 5 Dec 2019 14:48

Tgt Ion: 114 Resp: 489634  
 Ion Ratio Lower Upper  
 114 100  
 63 22.0 0.0 42.4  
 88 16.5 0.0 32.8

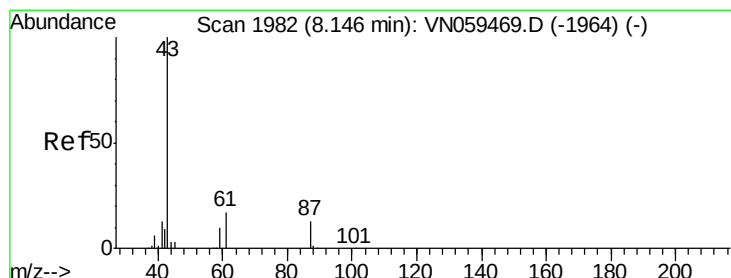
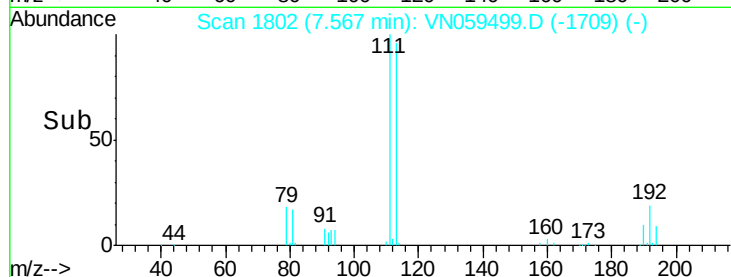
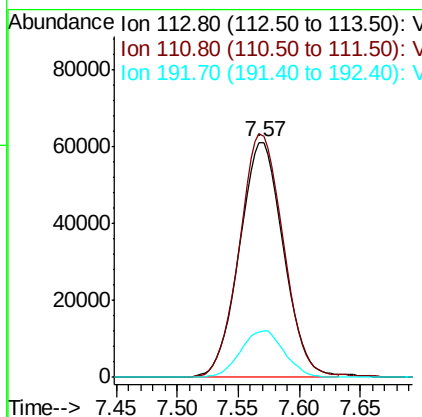
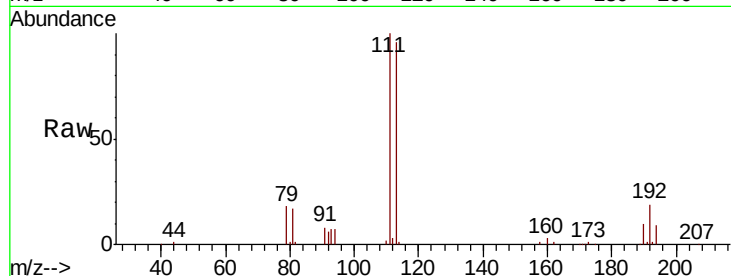




#35  
Dibromofluoromethane  
Concen: 49.963 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN059499.D  
Acq: 5 Dec 2019 14:48

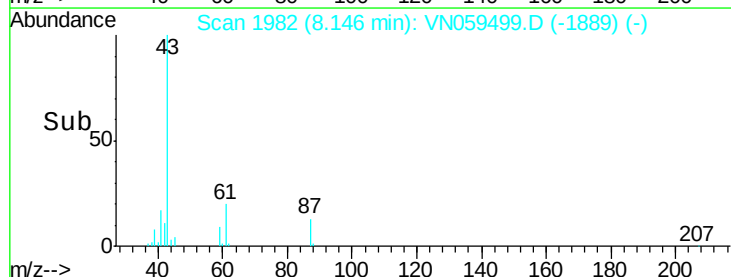
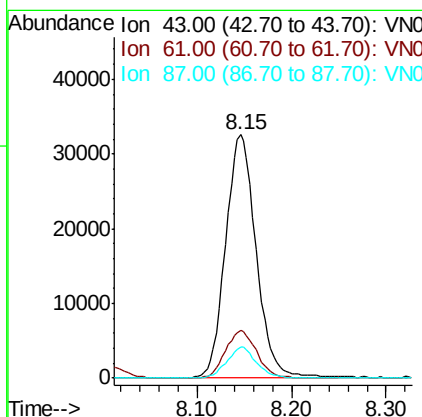
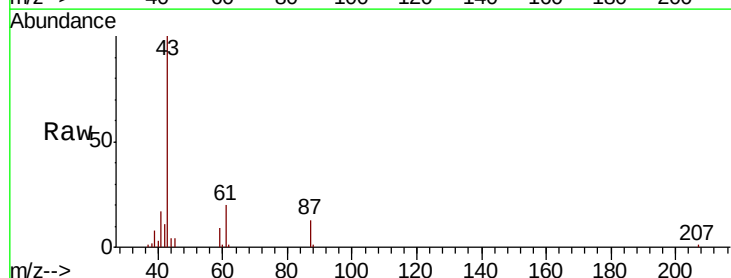
Instrument :  
MSVOA\_N  
ClientSampleId :  
CMJ-01-COMP

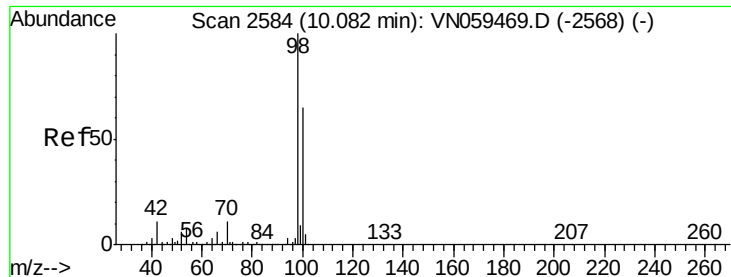
Tot Ion:113 Resp: 152366  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.5 123.7  
192 19.8 16.1 24.1



#43  
Isopropyl Acetate  
Concen: 8.646 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VN059499.D  
Acq: 5 Dec 2019 14:48

Tgt Ion: 43 Resp: 73192  
Ion Ratio Lower Upper  
43 100  
61 19.9 21.0 31.6#  
87 12.2 10.4 15.6





#50

Toluene-d8

Concen: 51.147 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

Instrument :

MSVOA\_N

ClientSampleId :

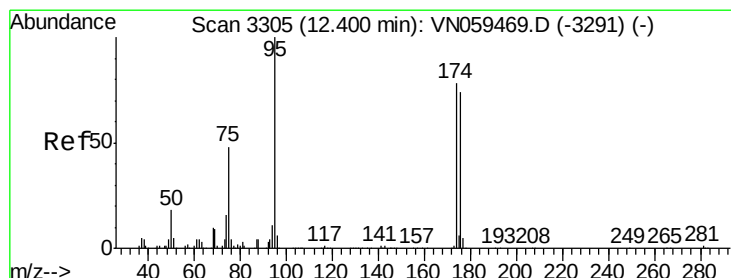
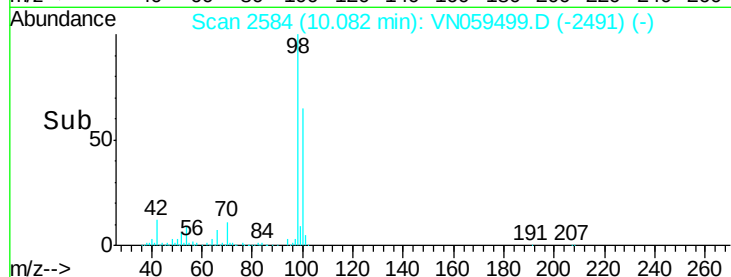
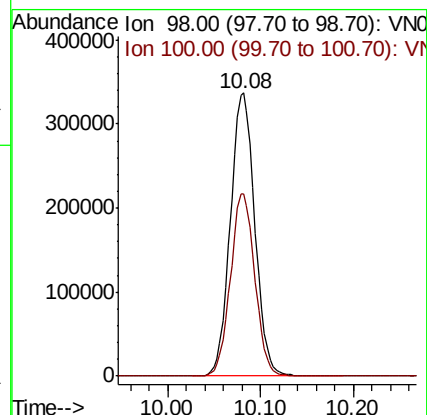
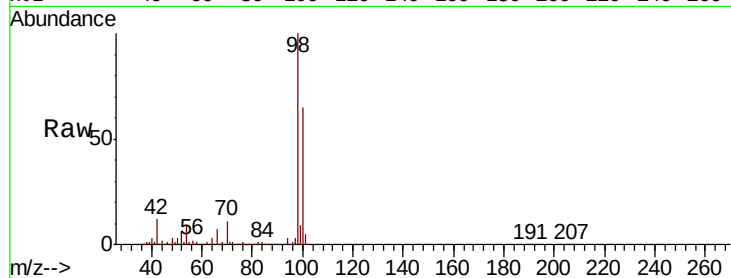
CMJ-01-COMP

Tot Ion: 98 Resp: 614979

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.165 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

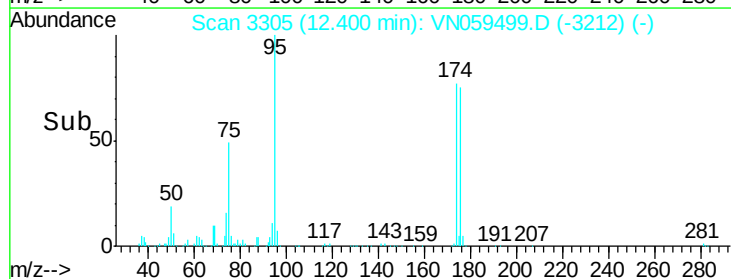
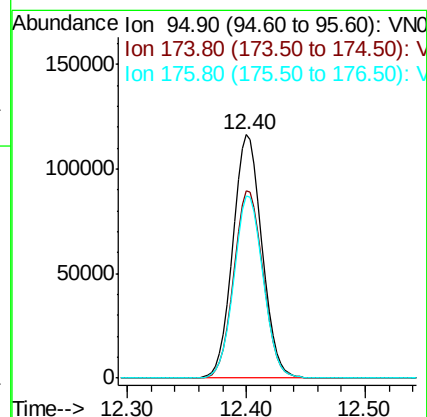
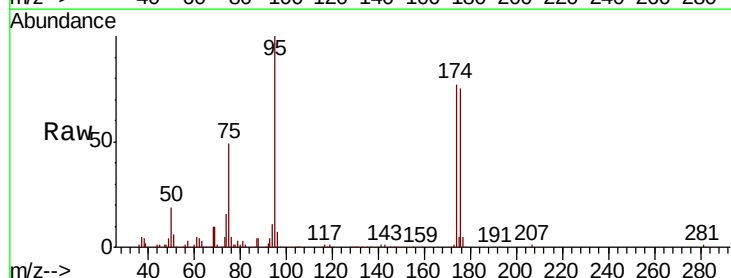
Tgt Ion: 95 Resp: 198050

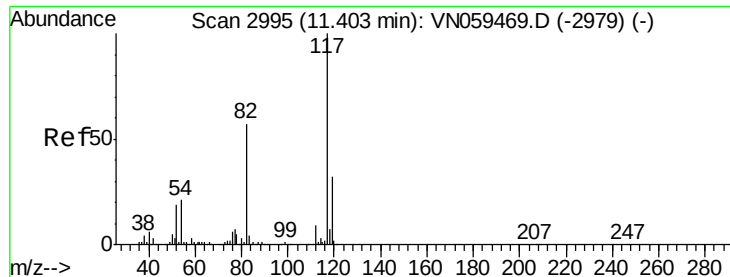
Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.0

176 74.9 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

Instrument :

MSVOA\_N

ClientSampleId :

CMJ-01-COMP

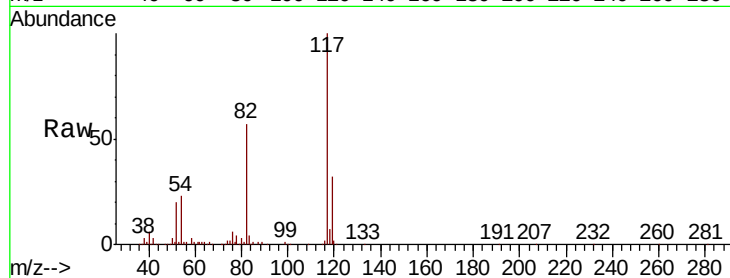
Tot Ion:117 Resp: 445980

Ion Ratio Lower Upper

117 100

82 56.7 45.8 68.8

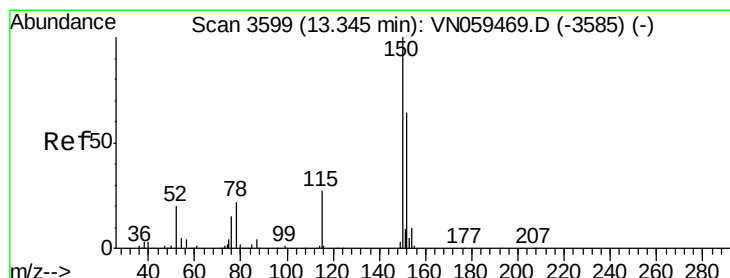
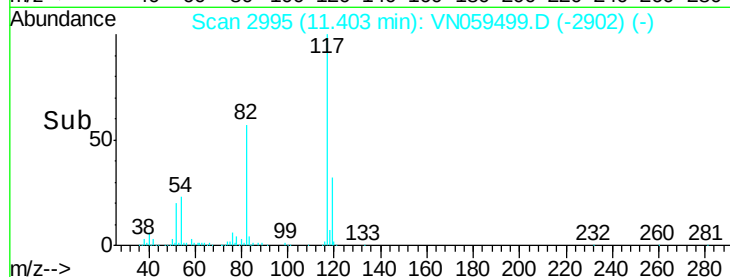
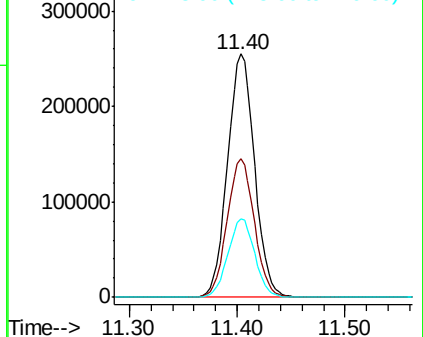
119 32.3 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

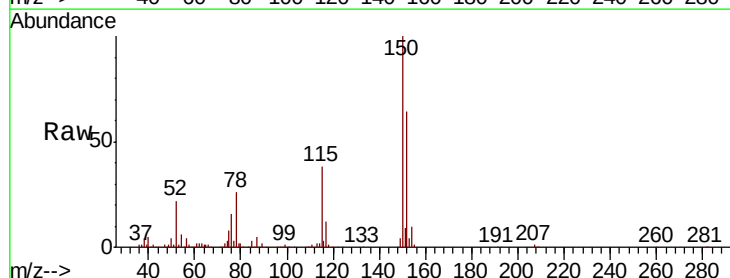
Tgt Ion:152 Resp: 169250

Ion Ratio Lower Upper

152 100

115 59.6 29.2 87.6

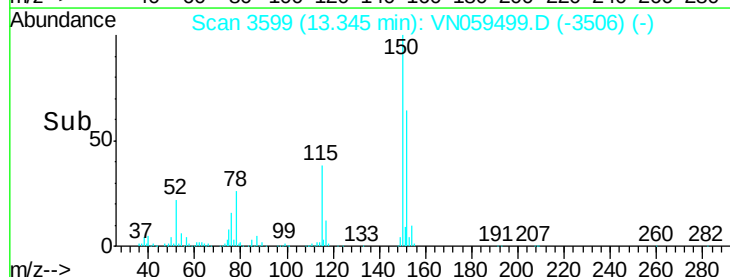
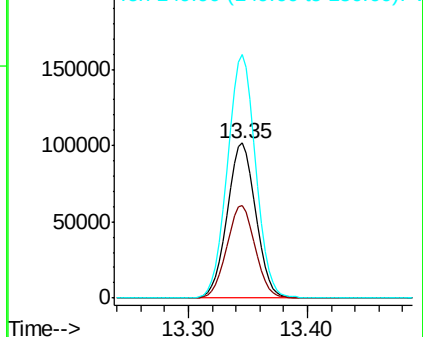
150 155.4 0.0 352.8

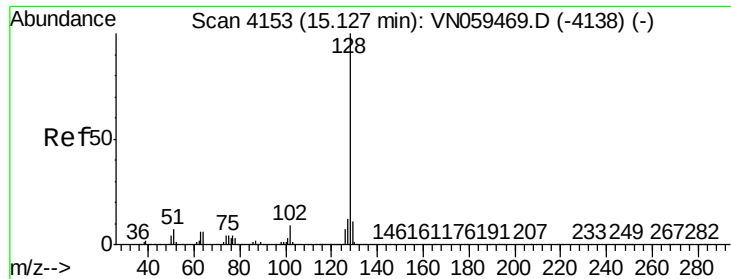


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 13.766 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059499.D

Acq: 5 Dec 2019 14:48

Instrument :

MSVOA\_N

ClientSampleId :

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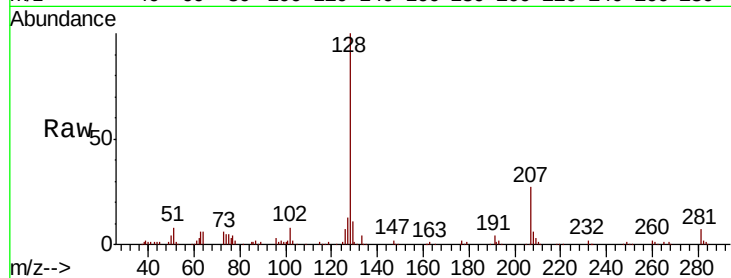
Tot Ion:128 Resp: 114904

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.8 13.2



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

