

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\  
 Data File : VN059496.D  
 Acq On : 5 Dec 2019 13:42  
 Operator : JC/SP  
 Sample : K6135-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-34

Quant Time: Dec 06 00:56:21 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

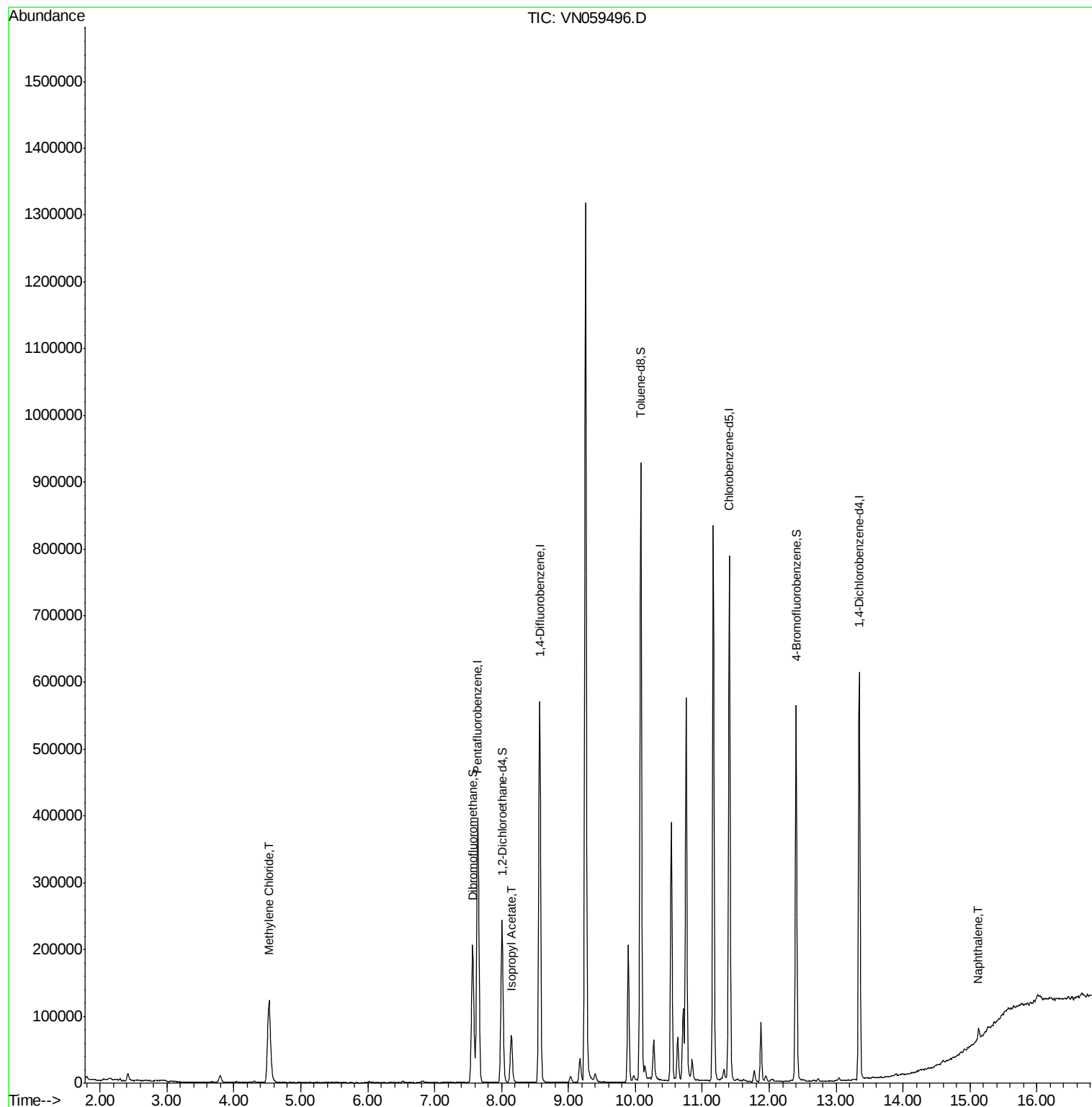
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64   | 168  | 327475   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57   | 114  | 515872   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40  | 117  | 459768   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 167521   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65   | 208360   | 51.22  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 102.44% |          |
| 35) Dibromofluoromethane    | 7.57   | 113  | 157848   | 49.13  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 98.26%  |          |
| 50) Toluene-d8              | 10.08  | 98   | 640635   | 50.57  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 101.14% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 202315   | 45.73  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 91.46%  |          |
| Target Compounds            |        |      |          |        |         |          |
| 20) Methylene Chloride      | 4.53   | 84   | 97387    | 24.812 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.15   | 43   | 83862    | 9.403  | ug/l #  | 93       |
| 95) Naphthalene             | 15.13  | 128  | 14646    | 3.887  | ug/l    | 97       |

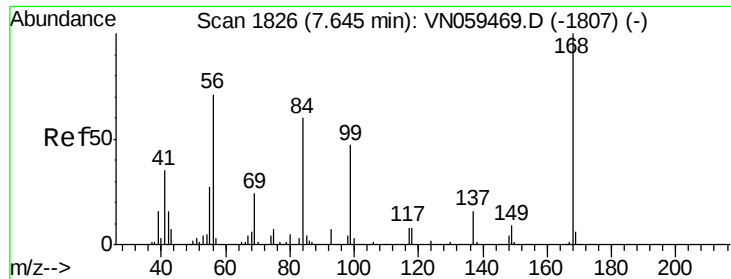
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059496.D

Acq: 5 Dec 2019 13:42

Instrument :

MSVOA\_N

ClientSampleId :

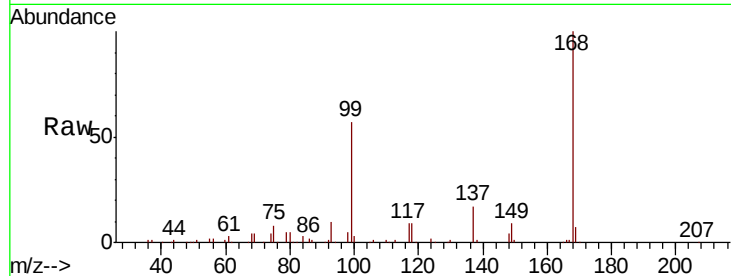
COMP-34

Tot Ion:168 Resp: 327475

Ion Ratio Lower Upper

168 100

99 57.0 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

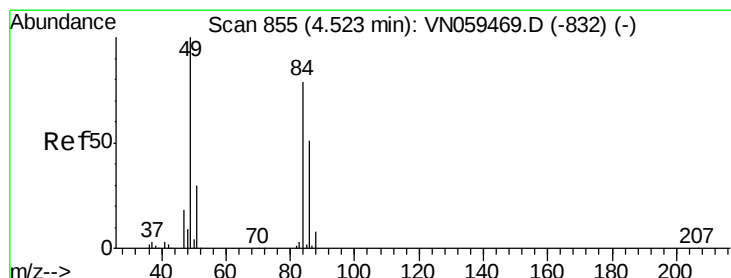
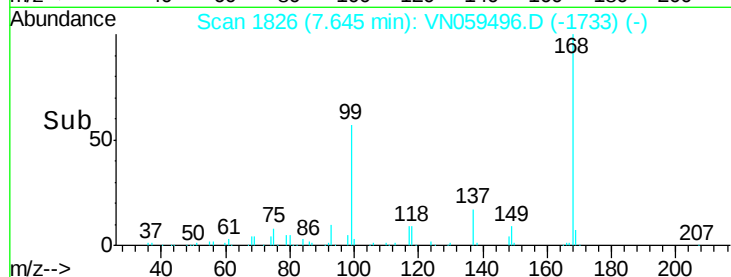
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 24.812 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN059496.D

Acq: 5 Dec 2019 13:42

Tgt Ion: 84 Resp: 97387

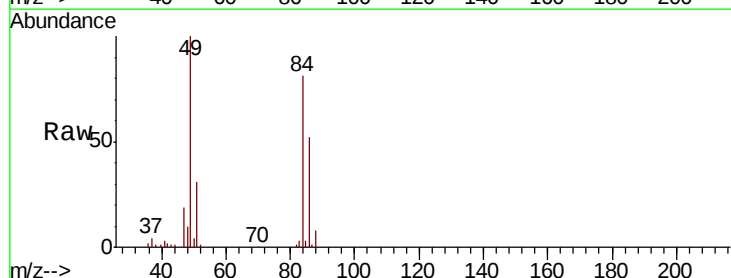
Ion Ratio Lower Upper

84 100

49 123.6 101.1 151.7

51 38.9 30.7 46.1

86 64.1 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

60000

50000

40000

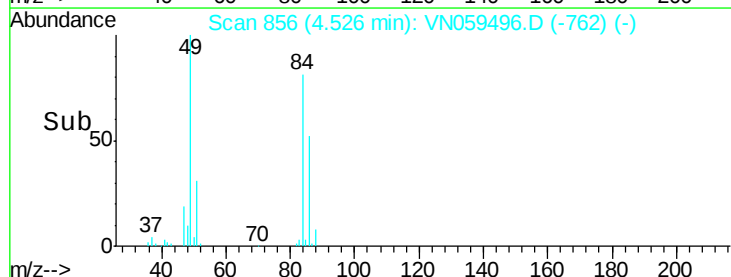
30000

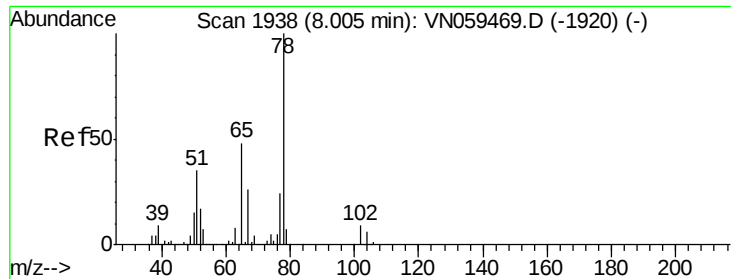
20000

10000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.218 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059496.D

Acq: 5 Dec 2019 13:42

Instrument :

MSVOA\_N

ClientSampleId :

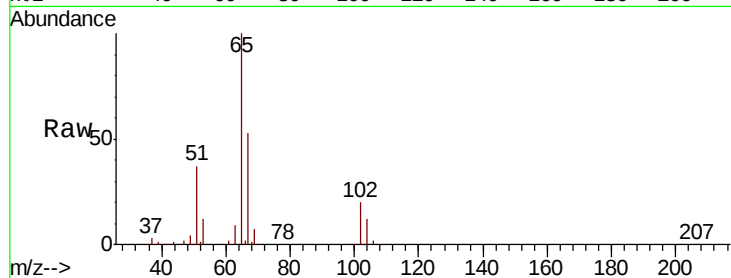
COMP-34

Tot Ion: 65 Resp: 208360

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

100000

80000

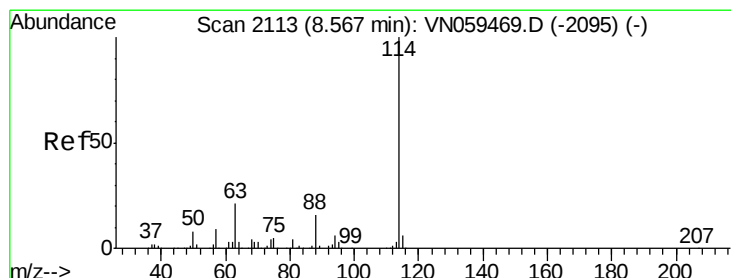
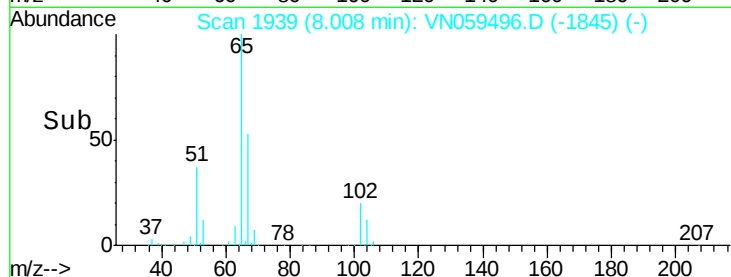
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059496.D

Acq: 5 Dec 2019 13:42

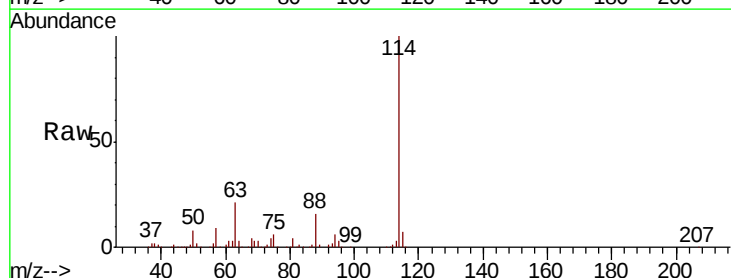
Tgt Ion: 114 Resp: 515872

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.2 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

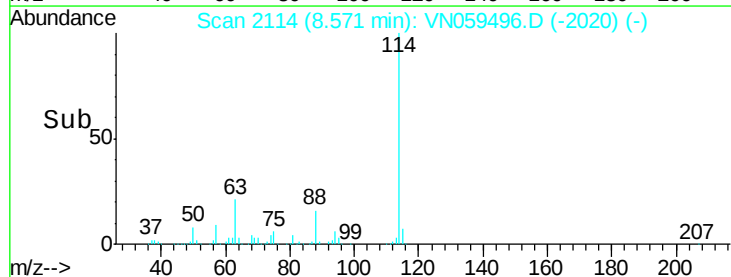
300000

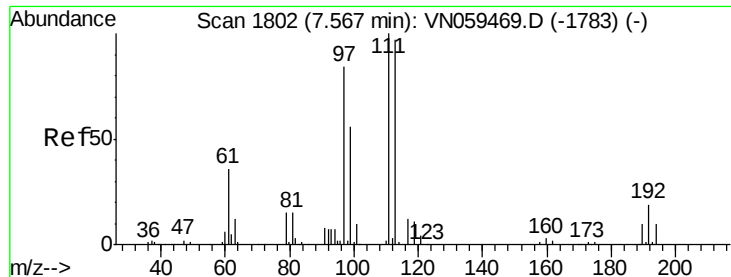
200000

100000

0

Time-->

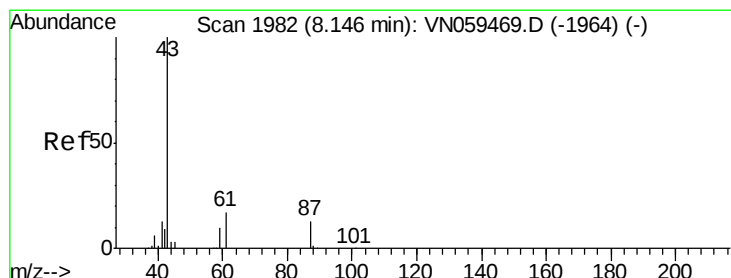
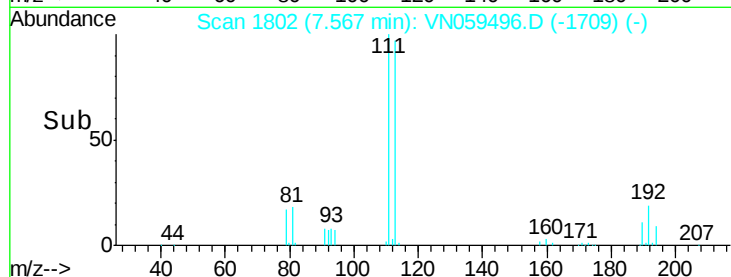
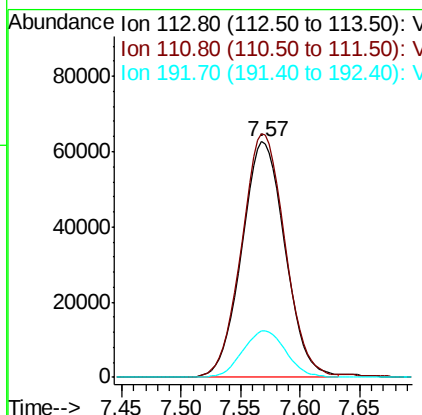
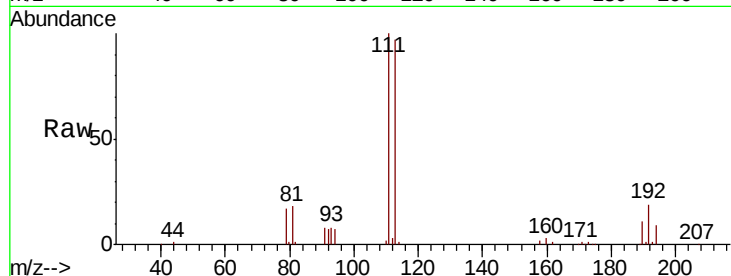




#35  
 Dibromofluoromethane  
 Concen: 49.128 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN059496.D  
 Acq: 5 Dec 2019 13:42

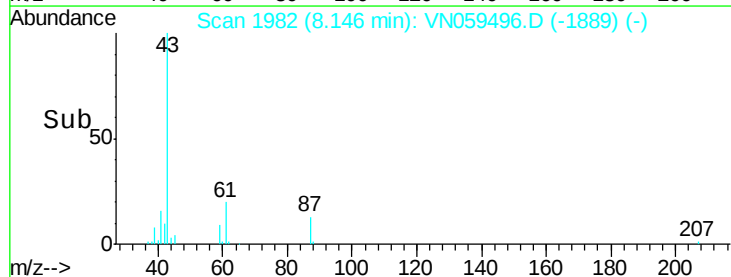
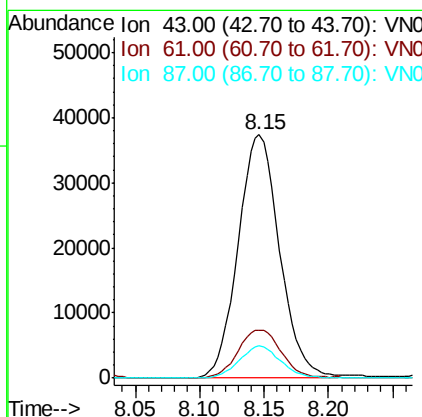
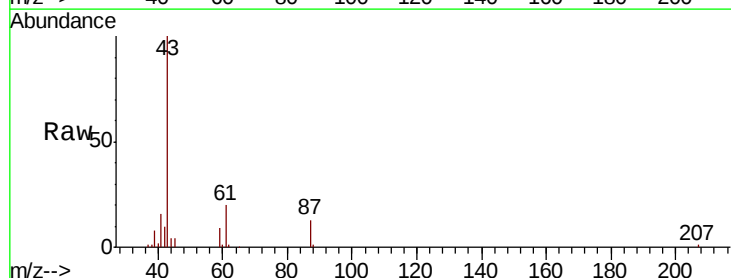
Instrument :  
 MSVOA\_N  
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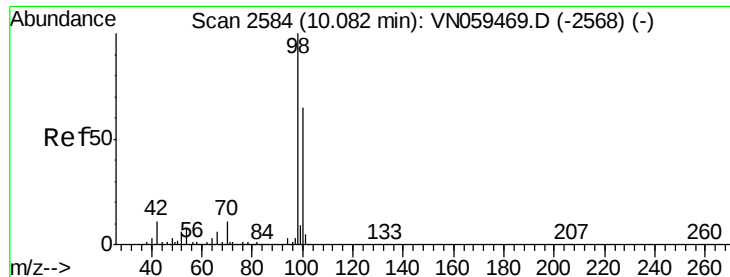
Tot Ion:113 Resp: 157848  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 82.5 123.7  
 192 19.9 16.1 24.1



#43  
 Isopropyl Acetate  
 Concen: 9.403 ug/l  
 RT: 8.15 min Scan# 1982  
 Delta R.T. -0.00 min  
 Lab File: VN059496.D  
 Acq: 5 Dec 2019 13:42

Tgt Ion: 43 Resp: 83862  
 Ion Ratio Lower Upper  
 43 100  
 61 20.7 21.0 31.6#  
 87 13.0 10.4 15.6





#50

Toluene-d8

Concen: 50.571 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059496.D

Acq: 5 Dec 2019 13:42

Instrument :

MSVOA\_N

ClientSampleId :

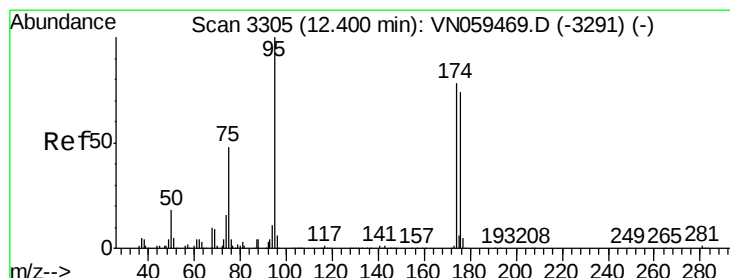
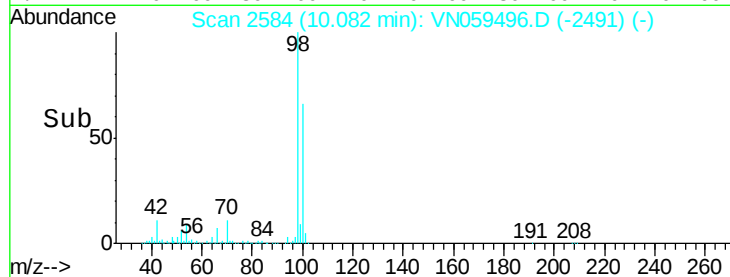
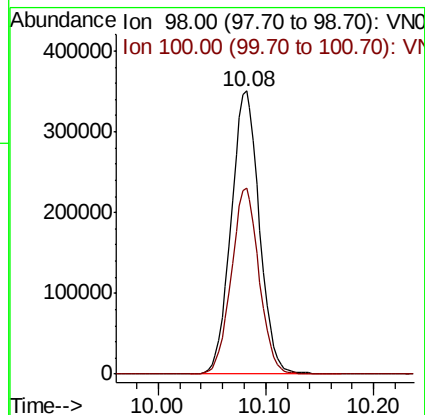
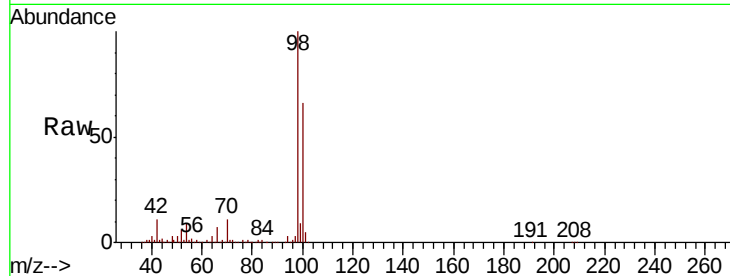
COMP-34

Tot Ion: 98 Resp: 640635

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.730 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059496.D

Acq: 5 Dec 2019 13:42

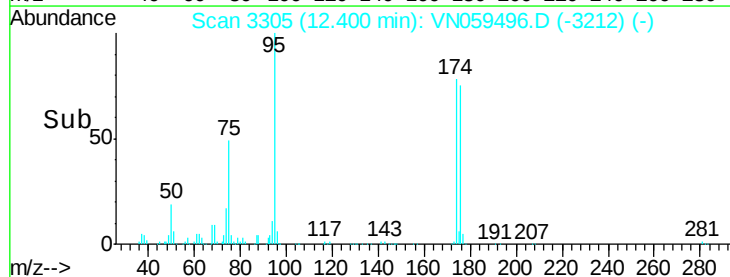
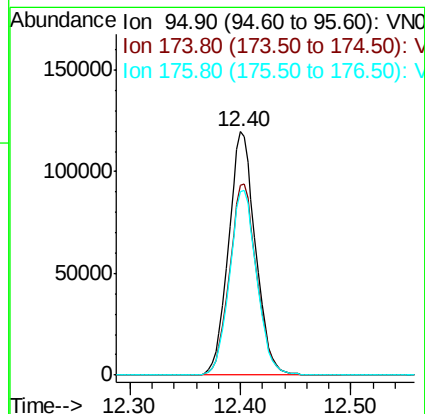
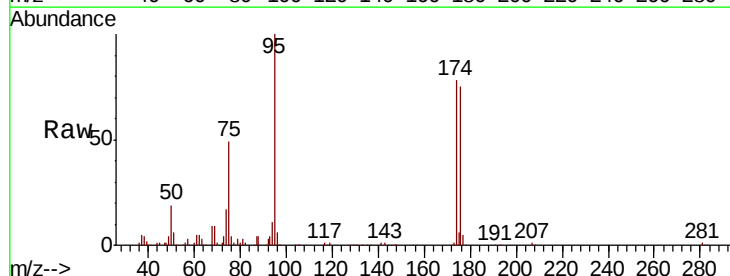
Tgt Ion: 95 Resp: 202315

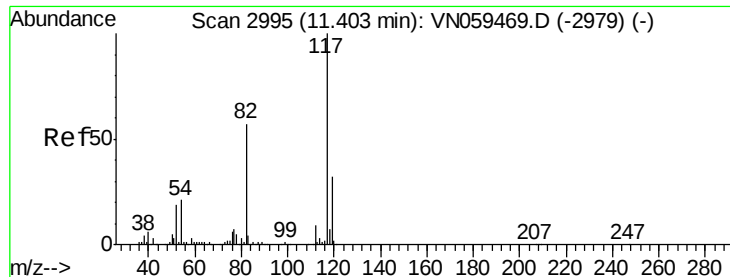
Ion Ratio Lower Upper

95 100

174 79.1 0.0 157.0

176 76.7 0.0 152.4

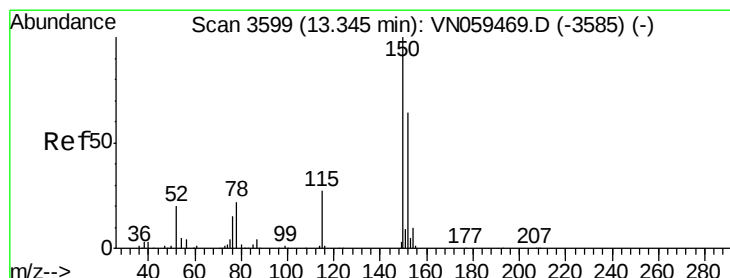
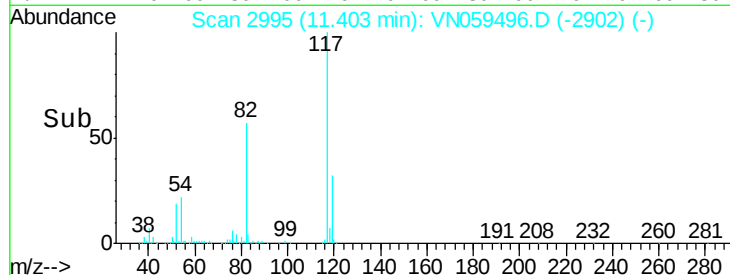
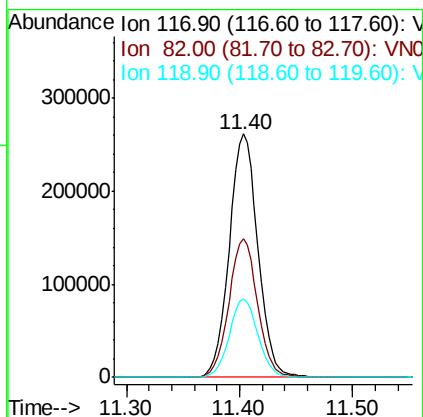
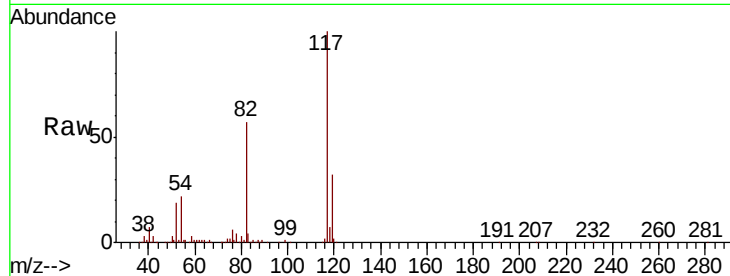




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059496.D  
Acq: 5 Dec 2019 13:42

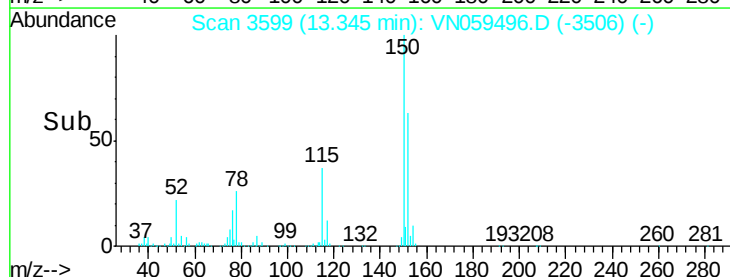
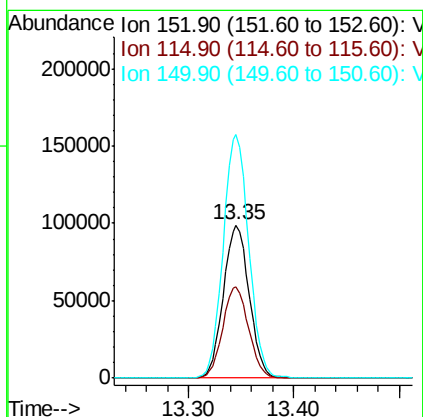
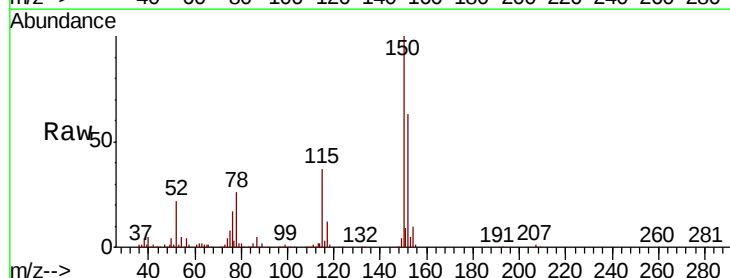
Instrument :  
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ClientSampleId :  
COMP-34

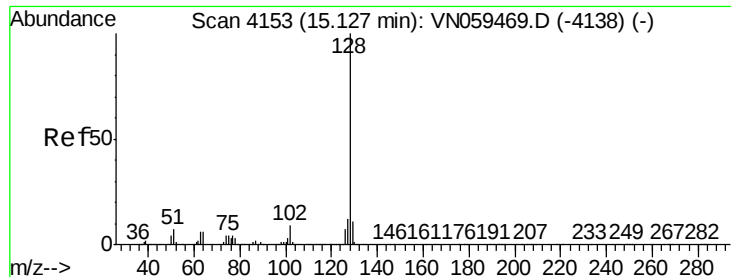
Tot Ion:117 Resp: 459768  
Ion Ratio Lower Upper  
117 100  
82 56.8 45.8 68.8  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. -0.00 min  
Lab File: VN059496.D  
Acq: 5 Dec 2019 13:42

Tgt Ion:152 Resp: 167521  
Ion Ratio Lower Upper  
152 100  
115 59.7 29.2 87.6  
150 157.8 0.0 352.8





#95

Naphthalene

Concen: 3.887 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059496.D

Acq: 5 Dec 2019 13:42

Instrument :

MSVOA\_N

ClientSampleId :

COMP-34

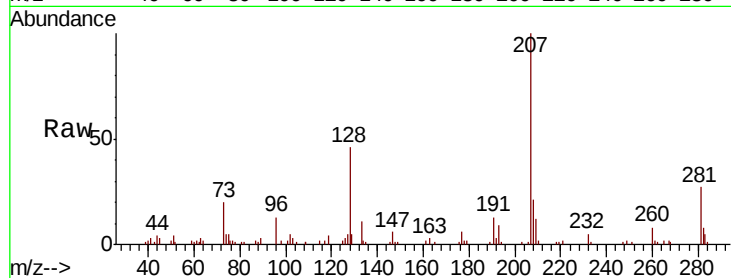
Tot Ion:128 Resp: 14646

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.4

129 9.3 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

