

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
 Data File : VN054361.D  
 Acq On : 17 Mar 2019 3:15  
 Operator : JC/SP  
 Sample : K1921-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 282-346

Quant Time: Mar 18 08:12:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

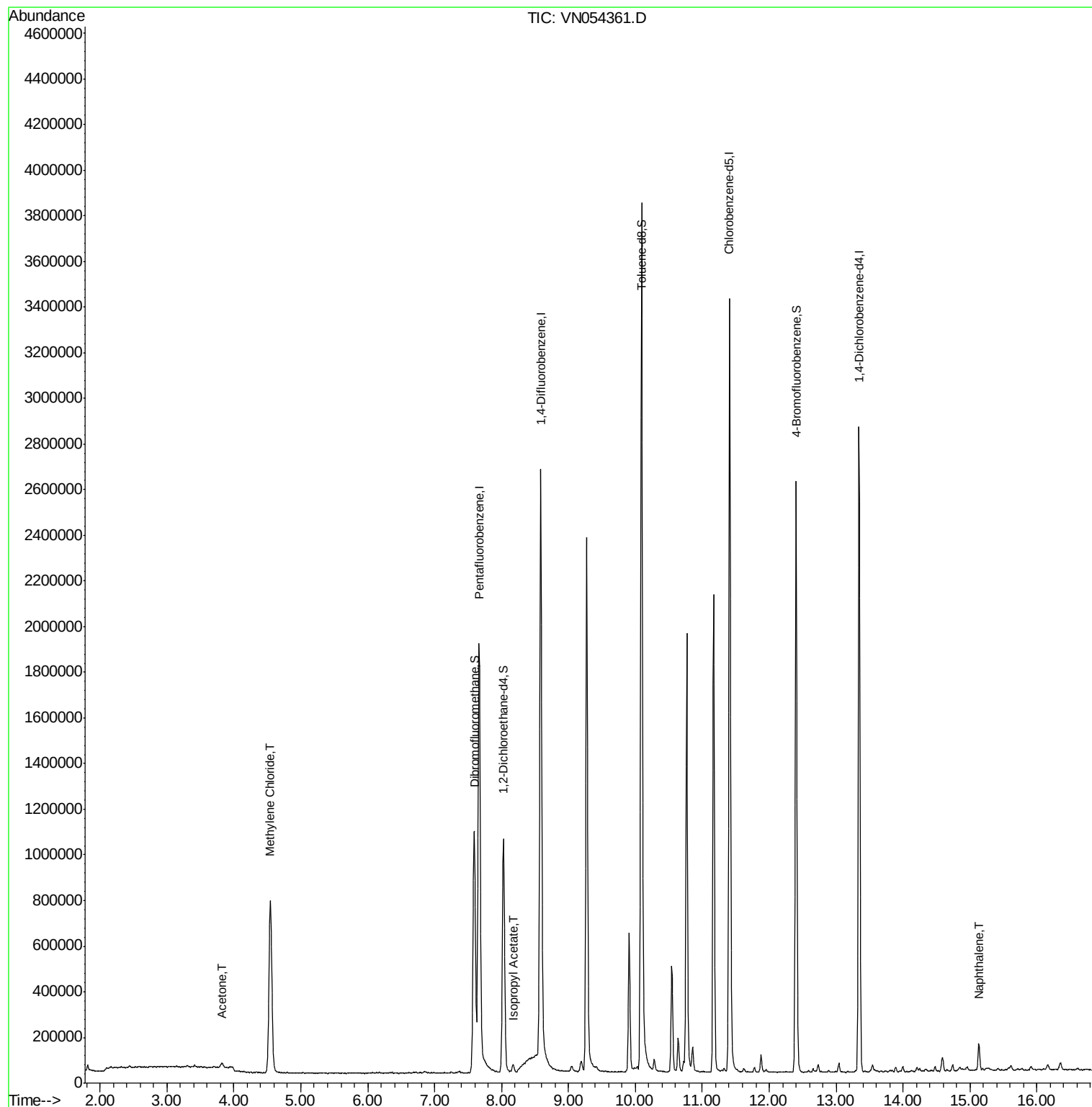
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1837570  | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2638615  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 2226873  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 831430   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 897854   | 46.01  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.02% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 812532   | 47.75  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.50% |          |
| 50) Toluene-d8              | 10.09 | 98   | 3030499  | 48.22  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.44% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 907456   | 41.26  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.52% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.82  | 43   | 34167    | 6.115  | ug/l   | 100      |
| 20) Methylene Chloride      | 4.54  | 84   | 596133   | 32.492 | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 39200    | 1.600  | ug/l   | 98       |
| 95) Naphthalene             | 15.13 | 128  | 110675   | 6.294  | ug/l   | 99       |

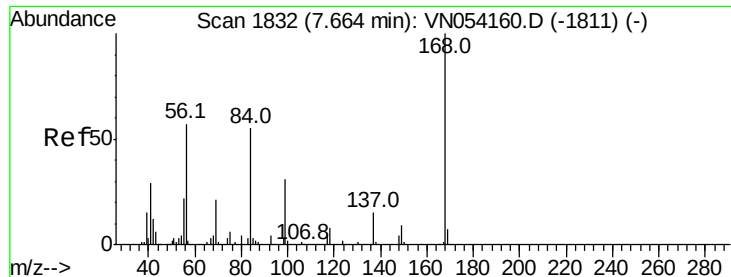
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

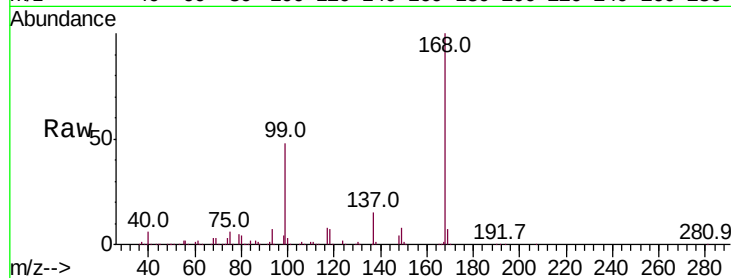
282-346

Tot Ion:168 Resp: 1837570

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

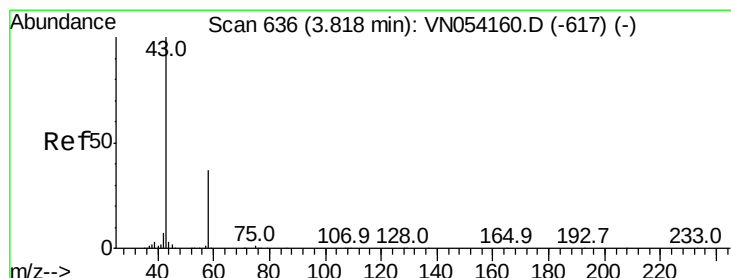
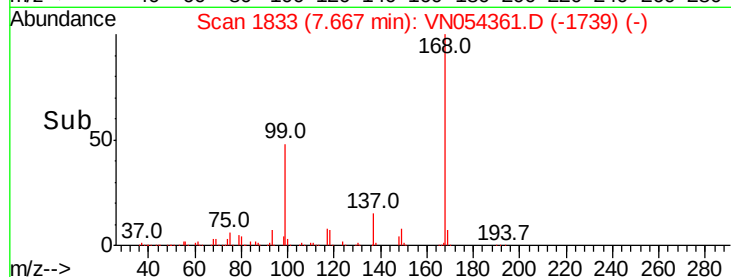
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 6.115 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054361.D

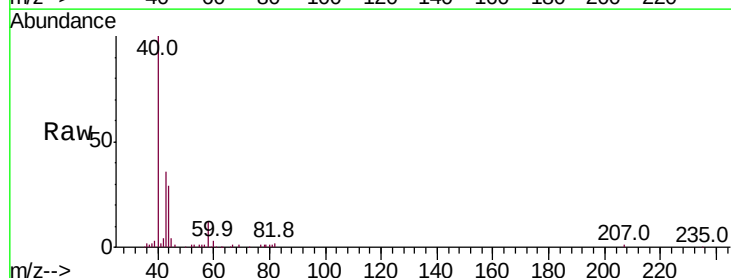
Acq: 17 Mar 2019 3:15

Tgt Ion: 43 Resp: 34167

Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

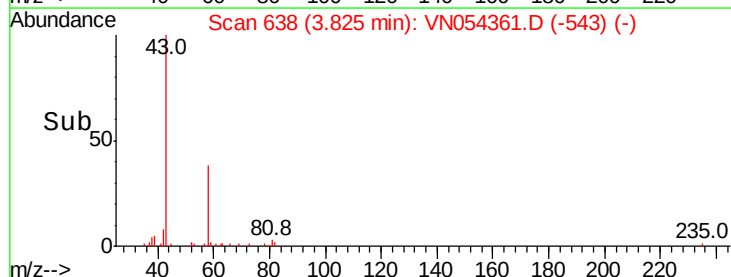
15000

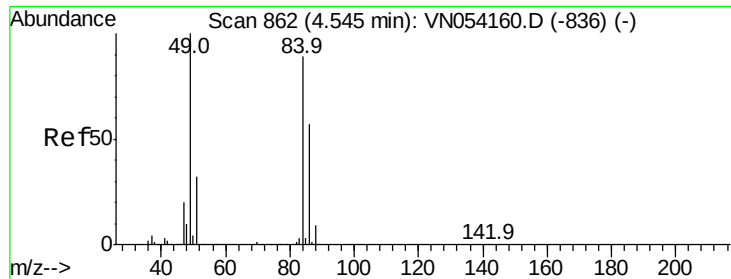
10000

5000

0

Time-->

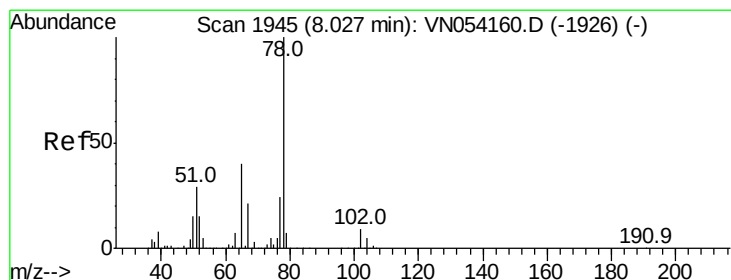
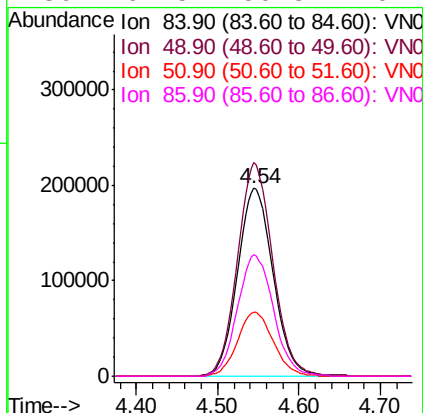
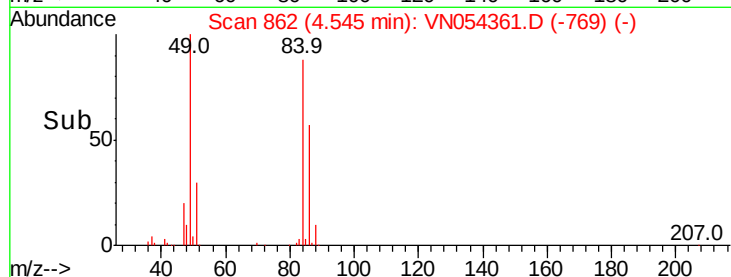
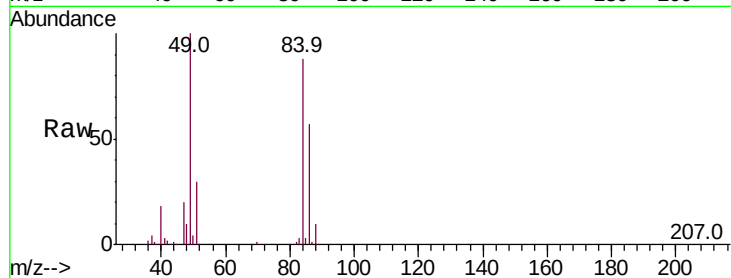




#20  
Methylene Chloride  
Concen: 32.492 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

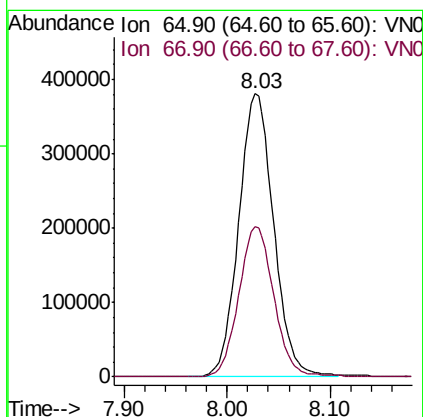
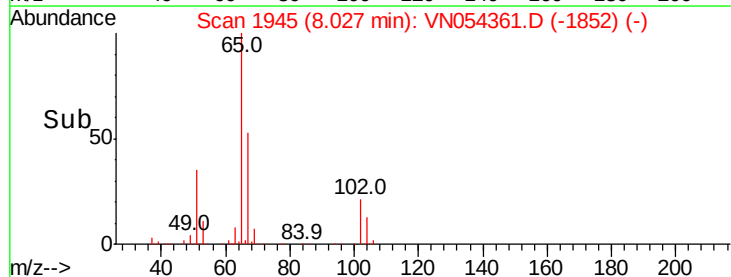
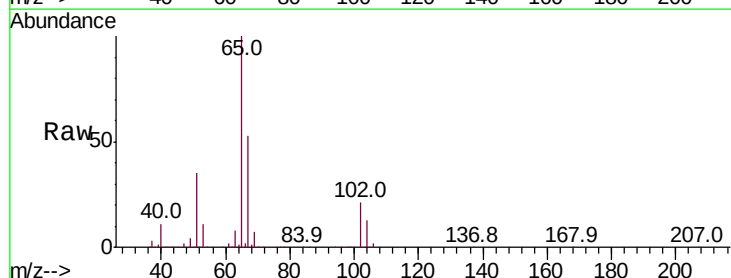
Instrument :  
MSVOA\_N  
ClientSampleId :  
282-346

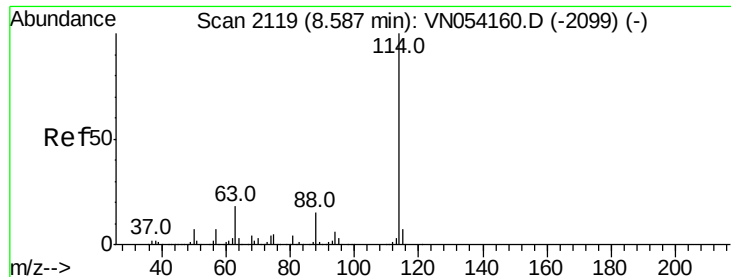
Tot Ion: 84 Resp: 596133  
Ion Ratio Lower Upper  
84 100  
49 113.9 89.7 134.5  
51 34.1 28.2 42.4  
86 64.5 50.8 76.2



#33  
1,2-Dichloroethane-d4  
Concen: 46.008 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Tgt Ion: 65 Resp: 897854  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

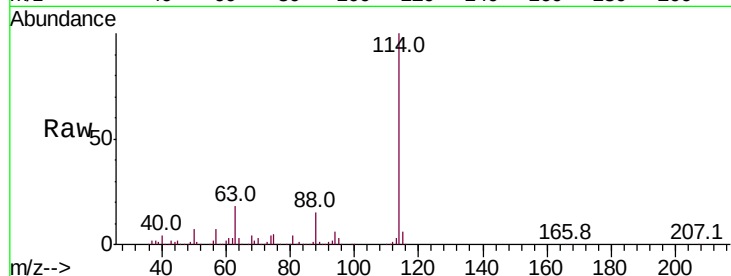
Tot Ion:114 Resp: 2638615

Ion Ratio Lower Upper

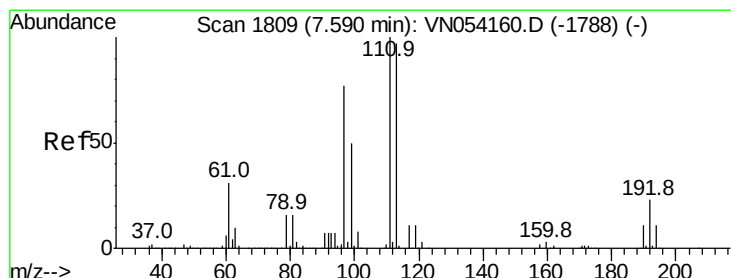
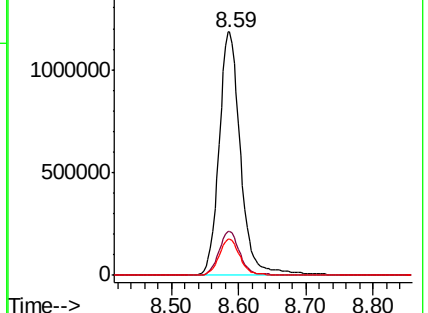
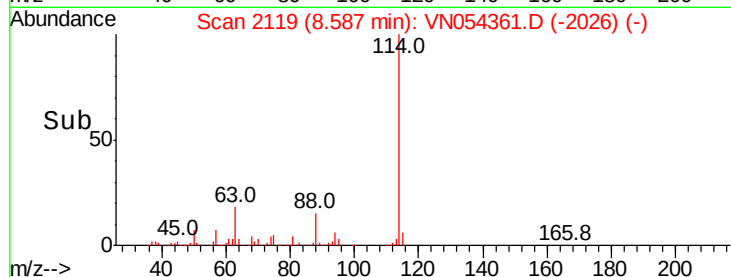
114 100

63 18.3 0.0 35.2

88 14.8 0.0 30.2



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: 47.745 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

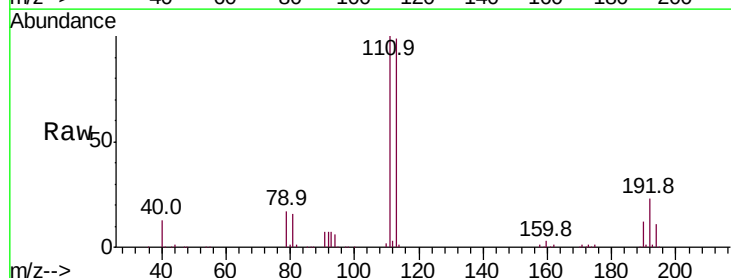
Tgt Ion:113 Resp: 812532

Ion Ratio Lower Upper

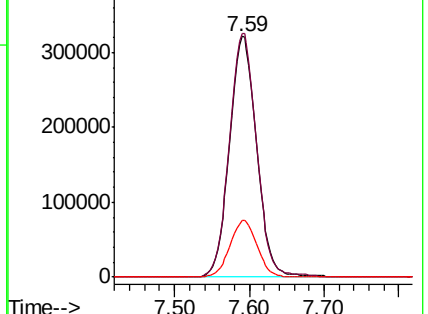
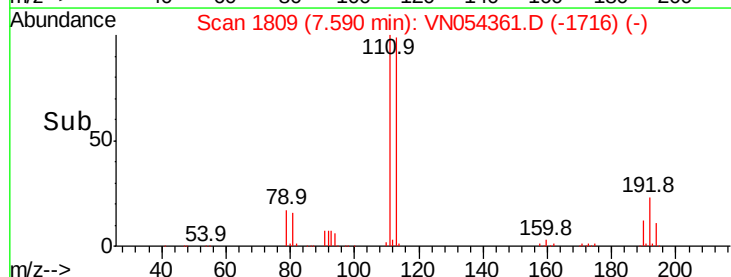
113 100

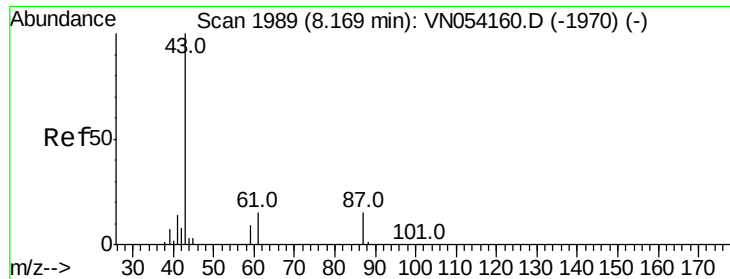
111 101.5 82.2 123.4

192 23.6 19.2 28.8



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: 1.600 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

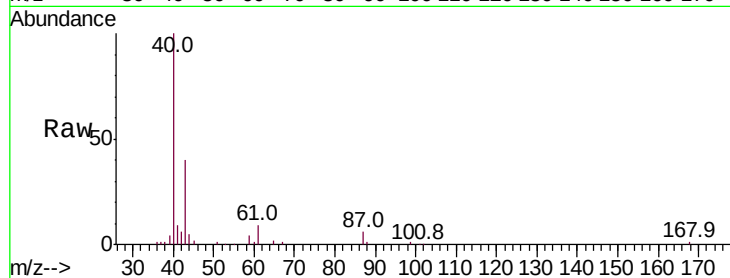
Tot Ion: 43 Resp: 39200

Ion Ratio Lower Upper

43 100

61 21.0 15.8 23.8

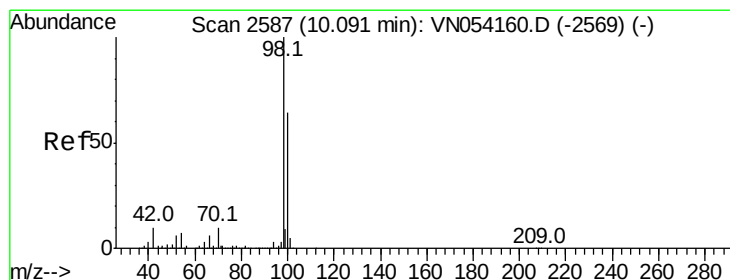
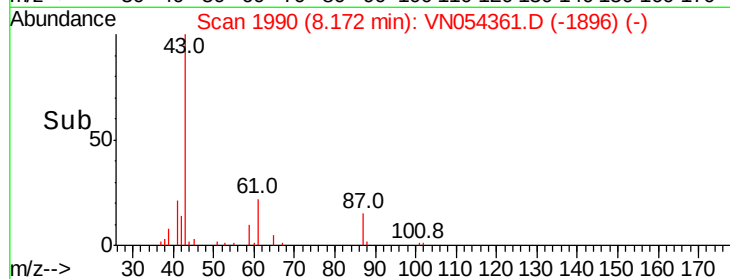
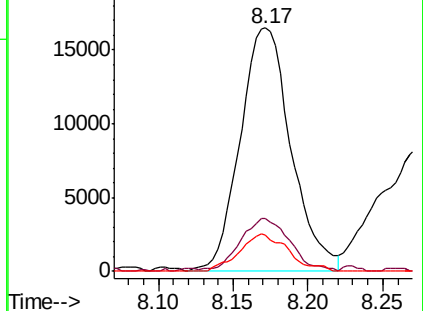
87 14.7 12.0 18.0



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: 48.218 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054361.D

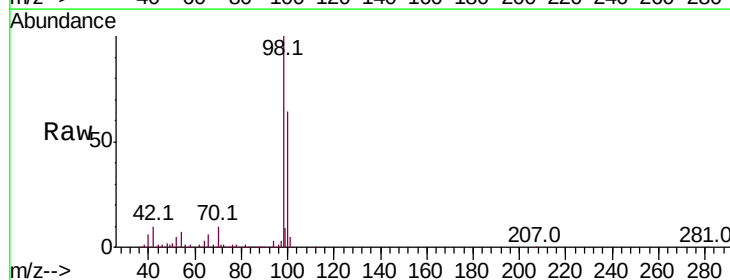
Acq: 17 Mar 2019 3:15

Tgt Ion: 98 Resp: 3030499

Ion Ratio Lower Upper

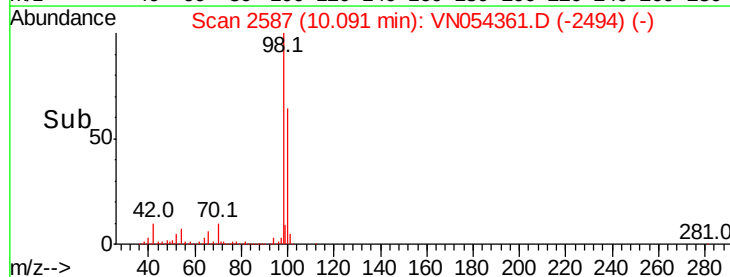
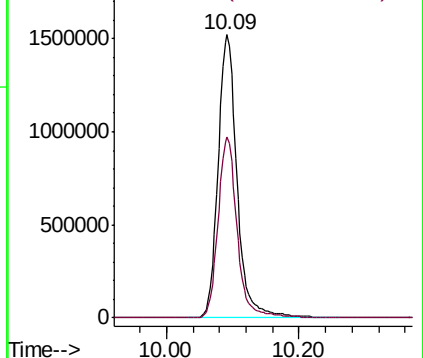
98 100

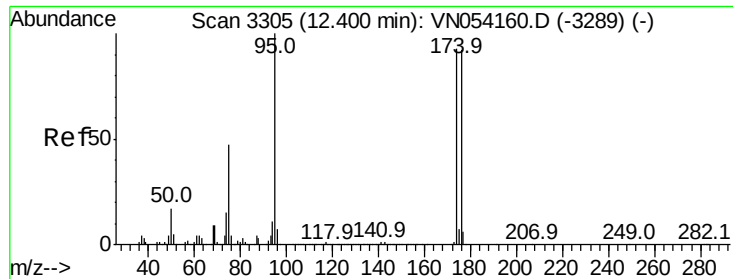
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

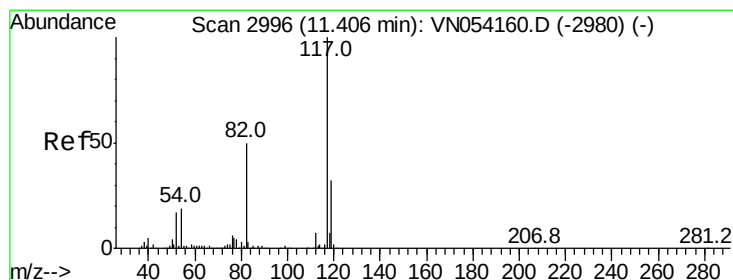
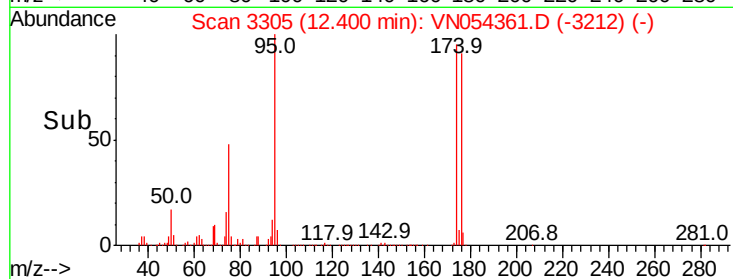
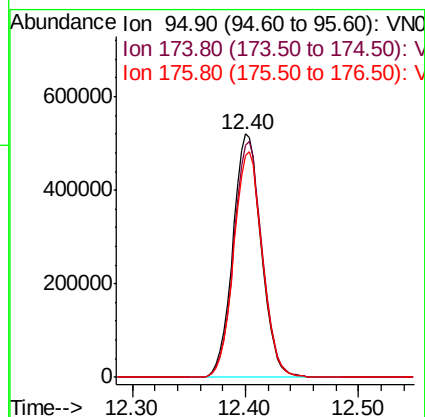
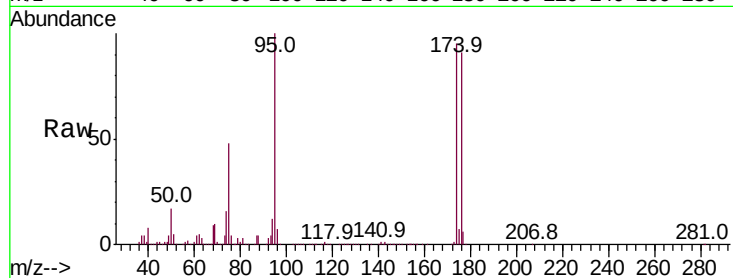




#62  
4-Bromofluorobenzene  
Concen: 41.264 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

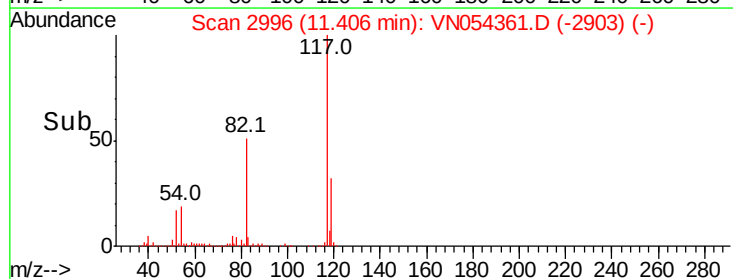
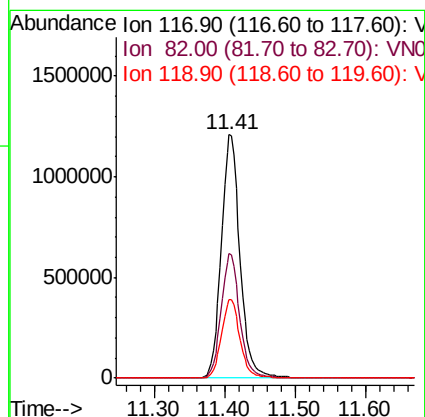
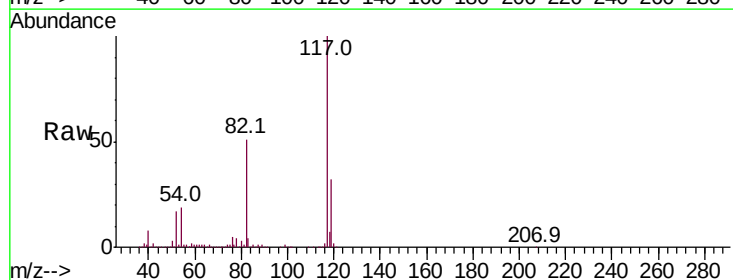
Instrument :  
MSVOA\_N  
ClientSampleId :  
282-346

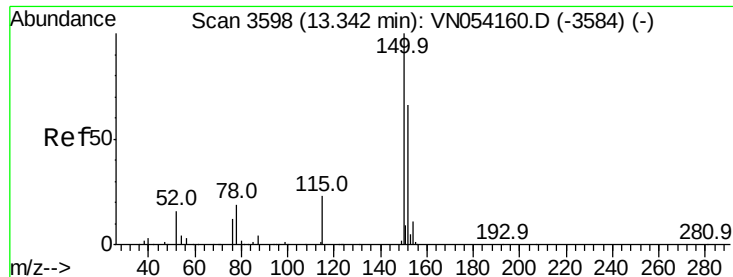
Tot Ion: 95 Resp: 907456  
Ion Ratio Lower Upper  
95 100  
174 97.2 0.0 191.0  
176 93.4 0.0 187.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Tgt Ion: 117 Resp: 2226873  
Ion Ratio Lower Upper  
117 100  
82 51.1 40.0 60.0  
119 32.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampled :

282-346

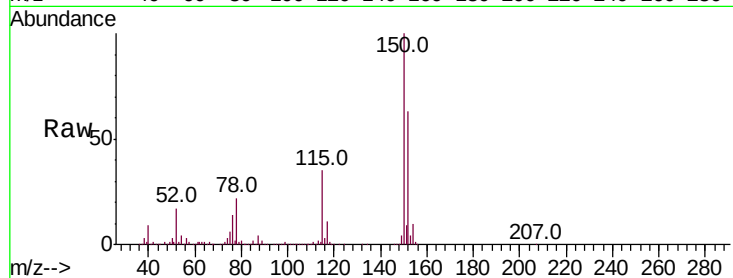
Tot Ion:152 Resp: 831430

Ion Ratio Lower Upper

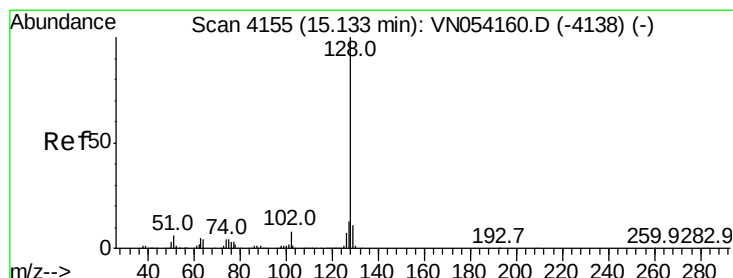
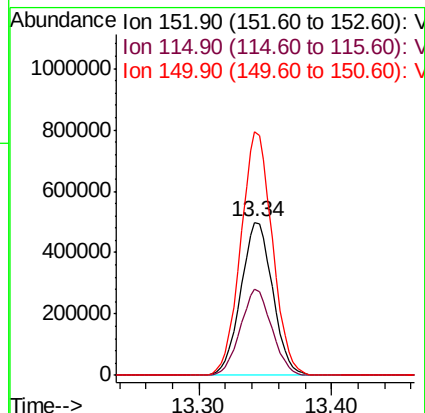
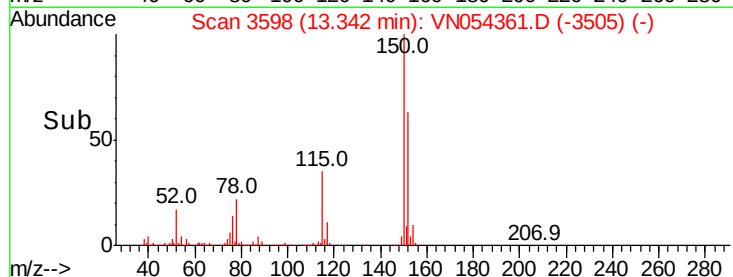
152 100

115 55.4 27.2 81.6

150 157.8 0.0 349.2



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: 6.294 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

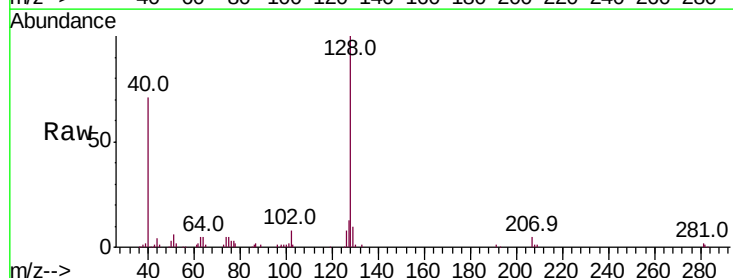
Tgt Ion:128 Resp: 110675

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

129 10.4 8.7 13.1



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

