

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\  
 Data File : VN054245.D  
 Acq On : 14 Mar 2019 6:36  
 Operator : JC/SP  
 Sample : K1866-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MR-MH-01-COMP

Quant Time: Mar 14 09:05:47 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

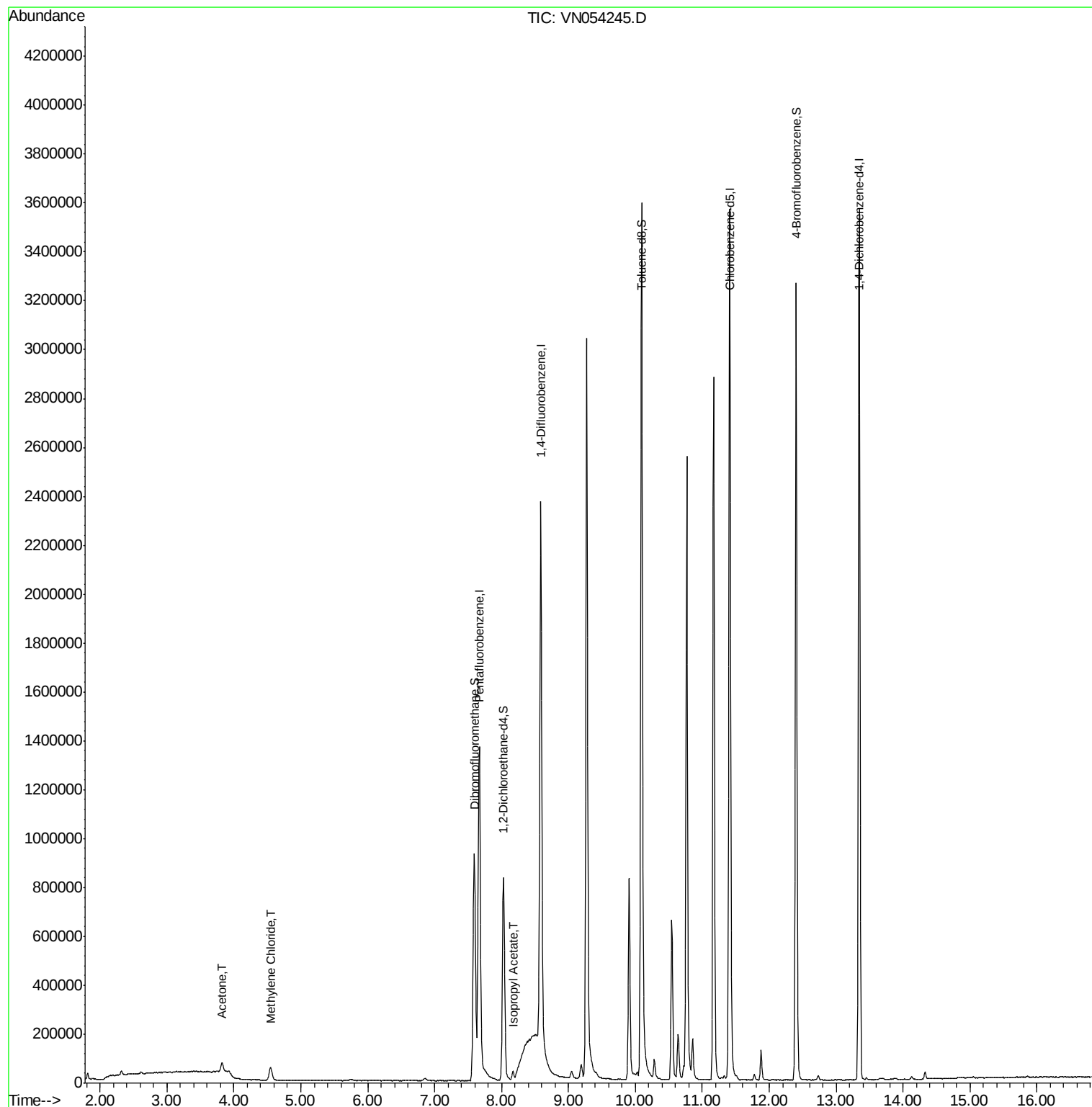
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1338526  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2297722  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 2417643  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 1059727  | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 749400   | 52.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.44% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 711575   | 48.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.04%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2848028  | 52.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.08% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 1092302  | 57.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.08% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 59053    | 14.509 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.55  | 84   | 42431    | 3.175  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 42028    | 1.969  | ug/l    | 96       |

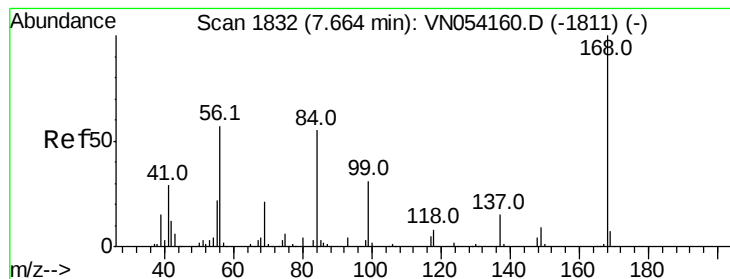
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054245.D

Acq: 14 Mar 2019 6:36

Instrument :

MSVOA\_N

ClientSampleId :

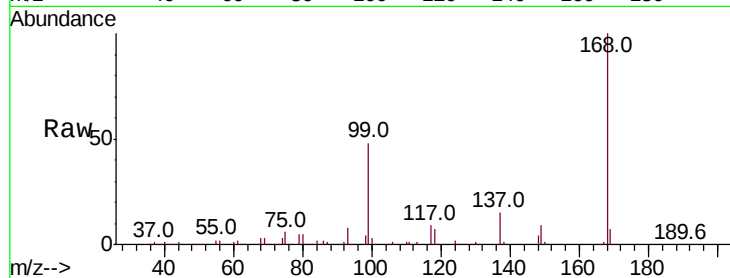
MR-MH-01-COMP

Tot Ion:168 Resp: 1338526

Ion Ratio Lower Upper

168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054160.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN054160.D (-1811) (-)

7.67

600000

500000

400000

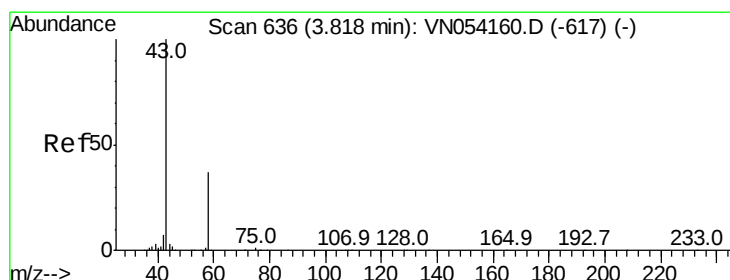
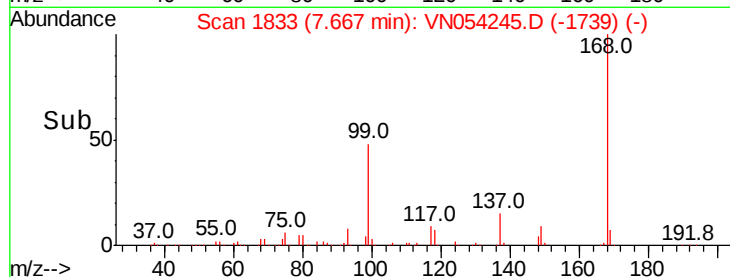
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 14.509 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054245.D

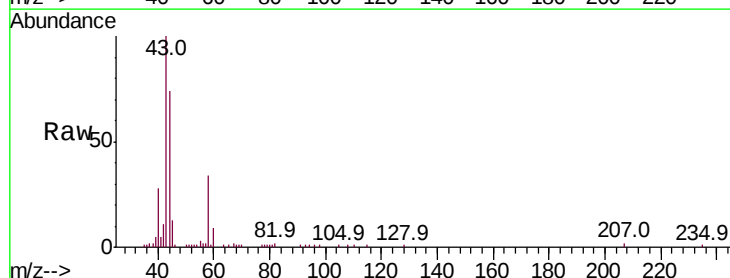
Acq: 14 Mar 2019 6:36

Tgt Ion: 43 Resp: 59053

Ion Ratio Lower Upper

43 100

58 38.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-617) (-)

3.82

30000

25000

20000

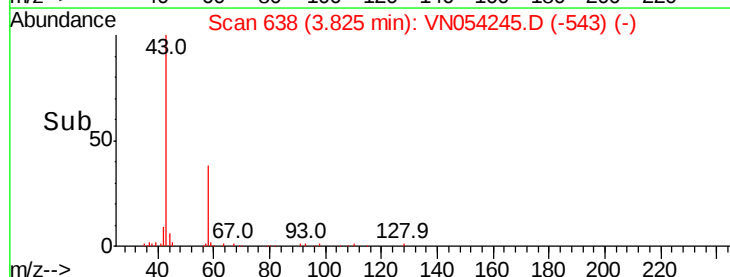
15000

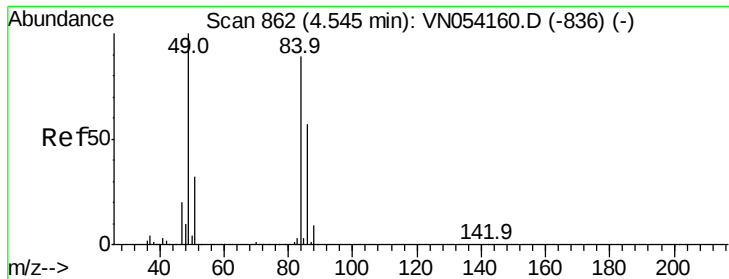
10000

5000

0

Time-->





#20

Methylene Chloride

Concen: 3.175 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054245.D

Acq: 14 Mar 2019 6:36

Instrument :

MSVOA\_N

ClientSampleId :

MR-MH-01-COMP

Tot Ion: 84 Resp: 42431

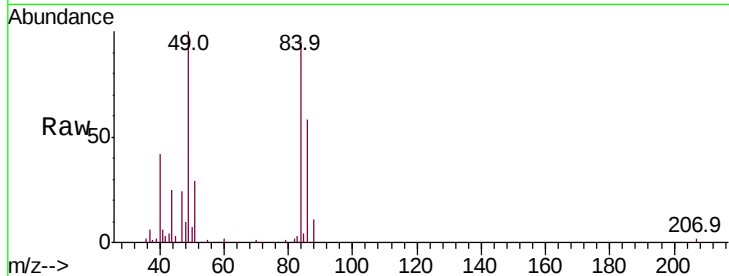
Ion Ratio Lower Upper

84 100

49 105.0 89.7 134.5

51 30.9 28.2 42.4

86 60.6 50.8 76.2

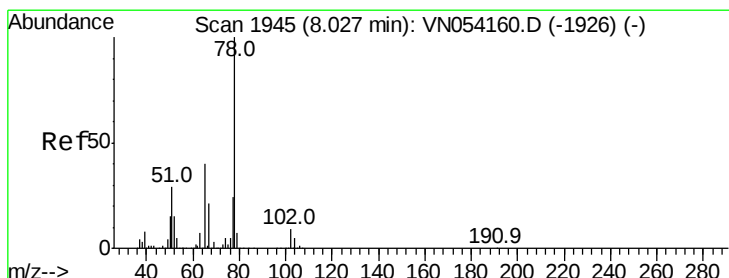
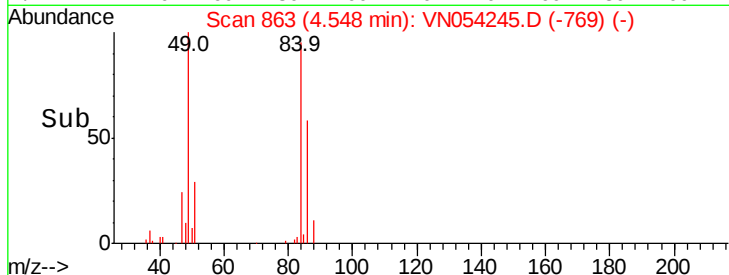
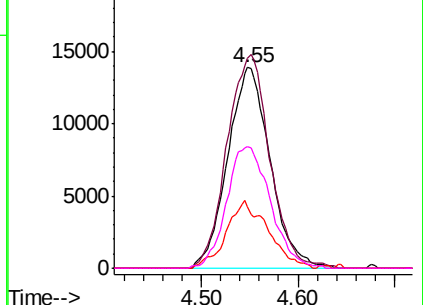


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.718 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054245.D

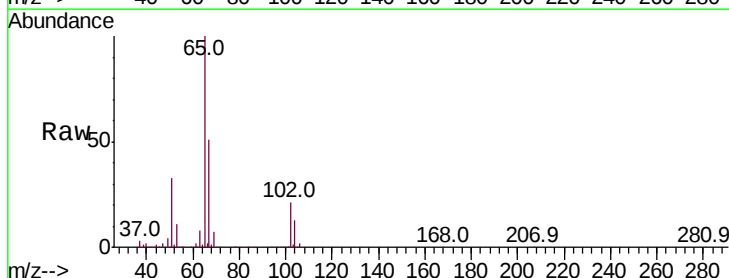
Acq: 14 Mar 2019 6:36

Tgt Ion: 65 Resp: 749400

Ion Ratio Lower Upper

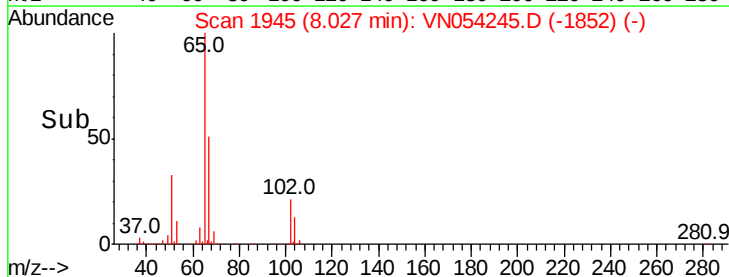
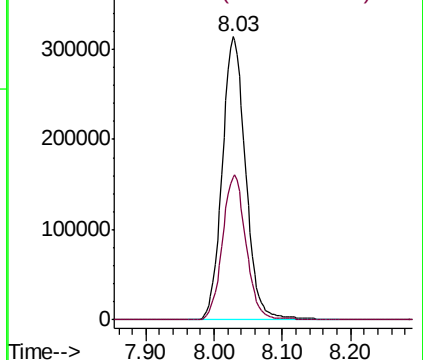
65 100

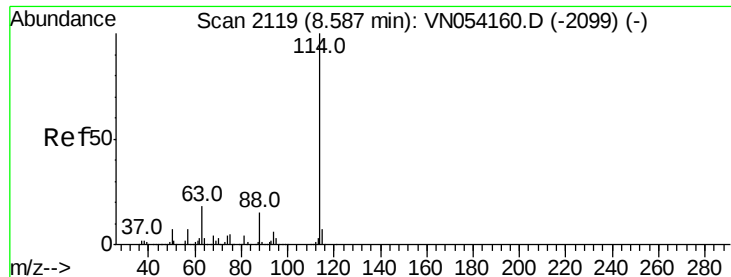
67 51.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



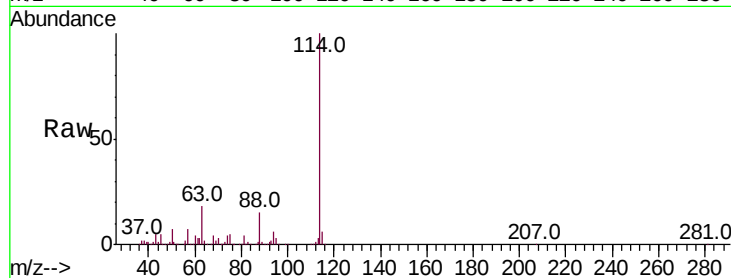


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054245.D  
 Acq: 14 Mar 2019 6:36

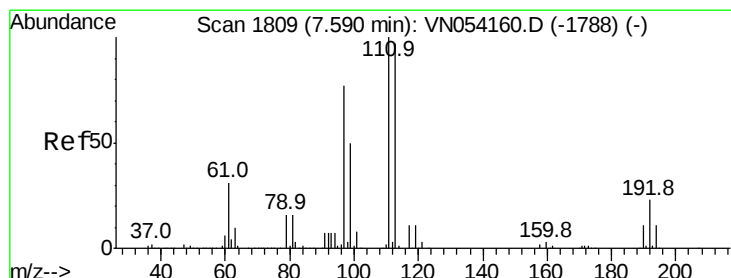
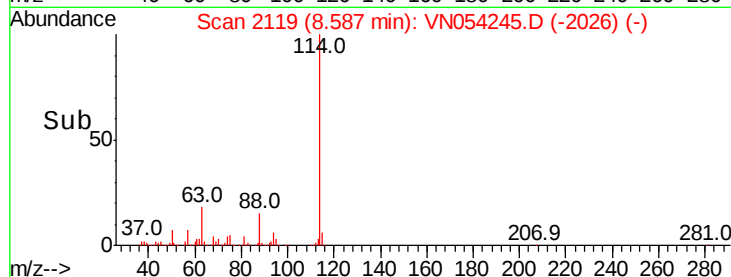
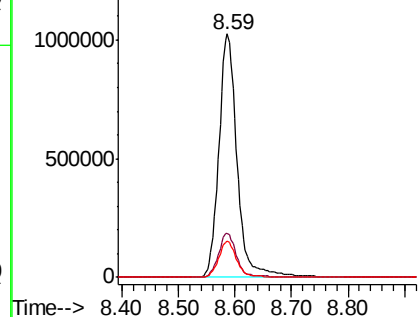
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MR-MH-01-COMP

Tot Ion:114 Resp: 2297722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.3  | 0.0   | 35.2  |
| 88  | 14.7  | 0.0   | 30.2  |



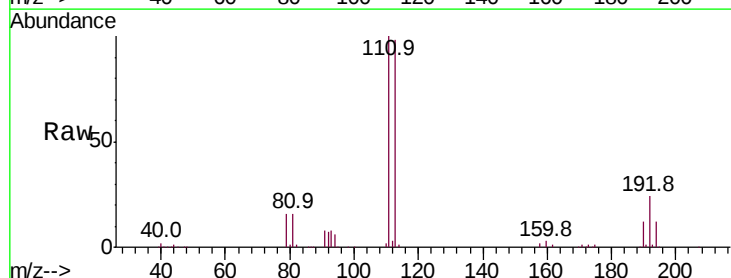
Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN



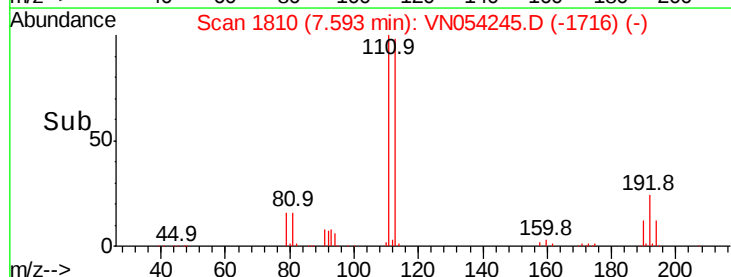
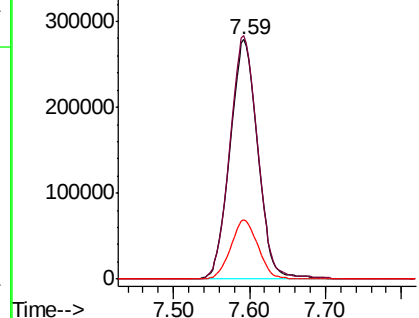
#35  
 Dibromofluoromethane  
 Concen: 48.017 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN054245.D  
 Acq: 14 Mar 2019 6:36

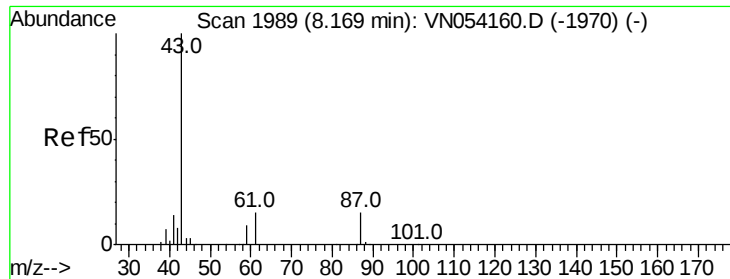
Tgt Ion:113 Resp: 711575

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.4 | 82.2  | 123.4 |
| 192 | 24.2  | 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: 1.969 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054245.D

Acq: 14 Mar 2019 6:36

Instrument :

MSVOA\_N

ClientSampleId :

MR-MH-01-COMP

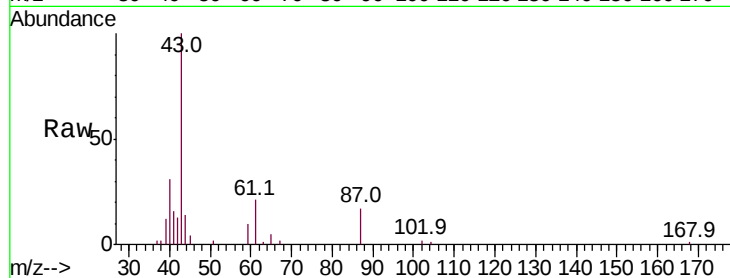
Tot Ion: 43 Resp: 42028

Ion Ratio Lower Upper

43 100

61 21.9 15.8 23.8

87 16.6 12.0 18.0

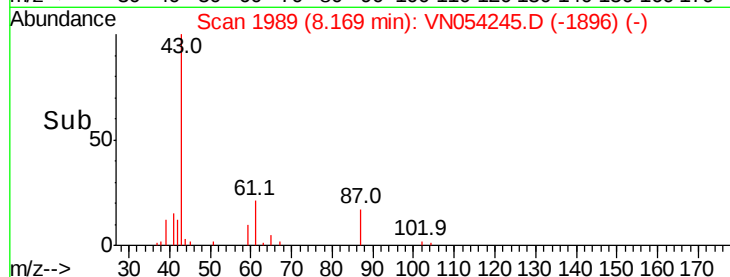


Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

Time-->

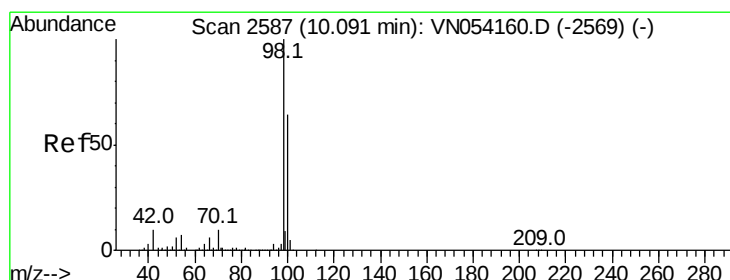


Abundance Ion 43.00 (42.70 to 43.70): VN054245.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054245.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054245.D (-1896) (-)

Time-->



#50

Toluene-d8

Concen: 52.038 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054245.D

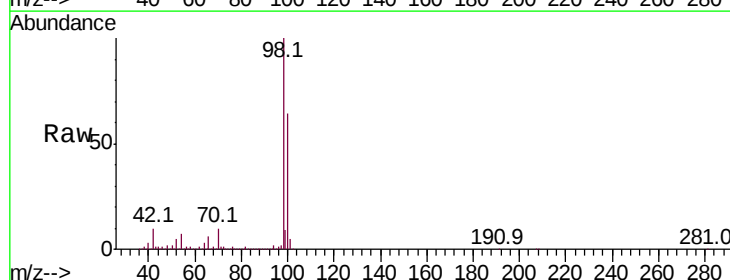
Acq: 14 Mar 2019 6:36

Tgt Ion: 98 Resp: 2848028

Ion Ratio Lower Upper

98 100

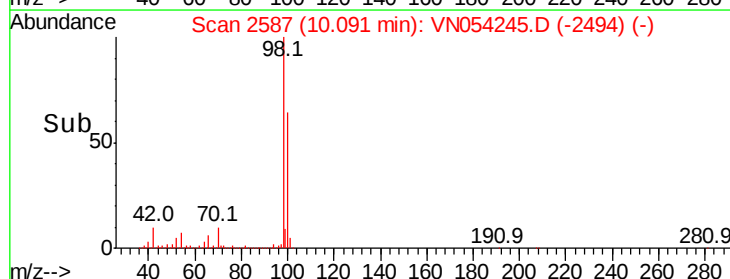
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

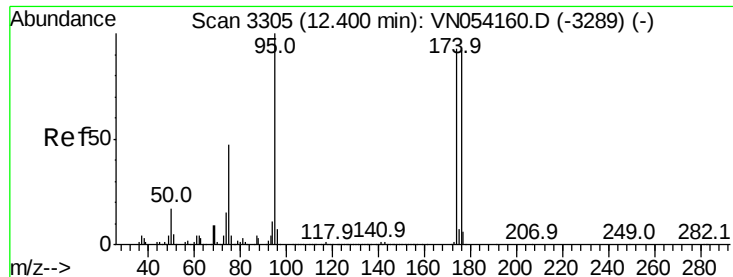
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN054245.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054245.D (-2494) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: 57.039 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054245.D

Acq: 14 Mar 2019 6:36

Instrument :

MSVOA\_N

ClientSampleId :

MR-MH-01-COMP

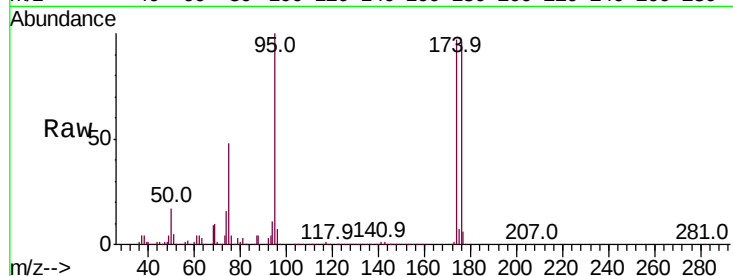
Tot Ion: 95 Resp: 1092302

Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

176 95.4 0.0 187.4

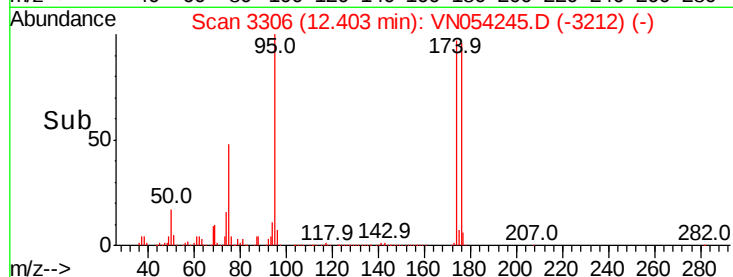


Abundance Ion 94.90 (94.60 to 95.60): VN0

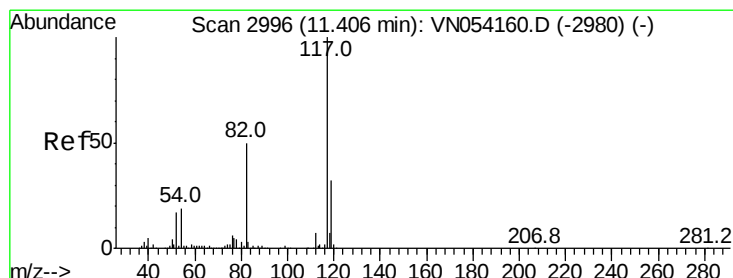
Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054245.D

Acq: 14 Mar 2019 6:36

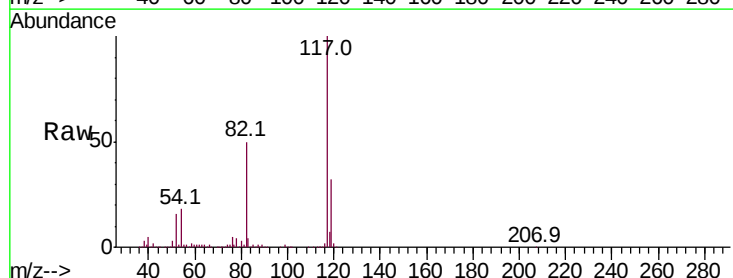
Tgt Ion: 117 Resp: 2417643

Ion Ratio Lower Upper

117 100

82 50.1 40.0 60.0

119 32.2 25.8 38.6

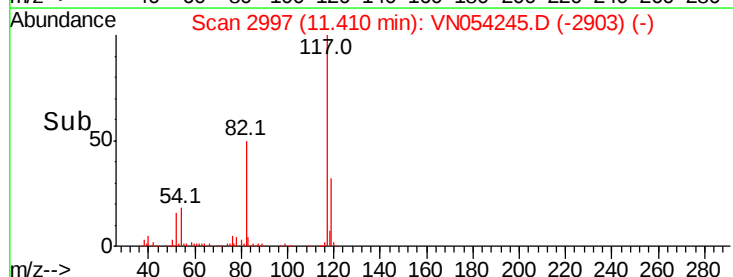


Abundance Ion 116.90 (116.60 to 117.60): VN0

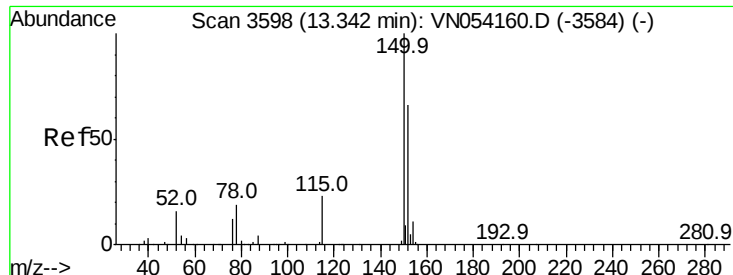
Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41



Time--> 11.30 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054245.D

Acq: 14 Mar 2019 6:36

Instrument :

MSVOA\_N

ClientSampleId :

MR-MH-01-COMP

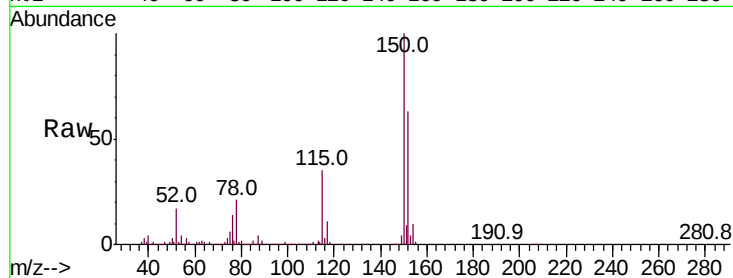
Tot Ion:152 Resp: 1059727

Ion Ratio Lower Upper

152 100

115 54.5 27.2 81.6

150 157.4 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

