

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
 Data File : VN054363.D  
 Acq On : 17 Mar 2019 4:10  
 Operator : JC/SP  
 Sample : K1956-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-7

Quant Time: Mar 18 08:18:29 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

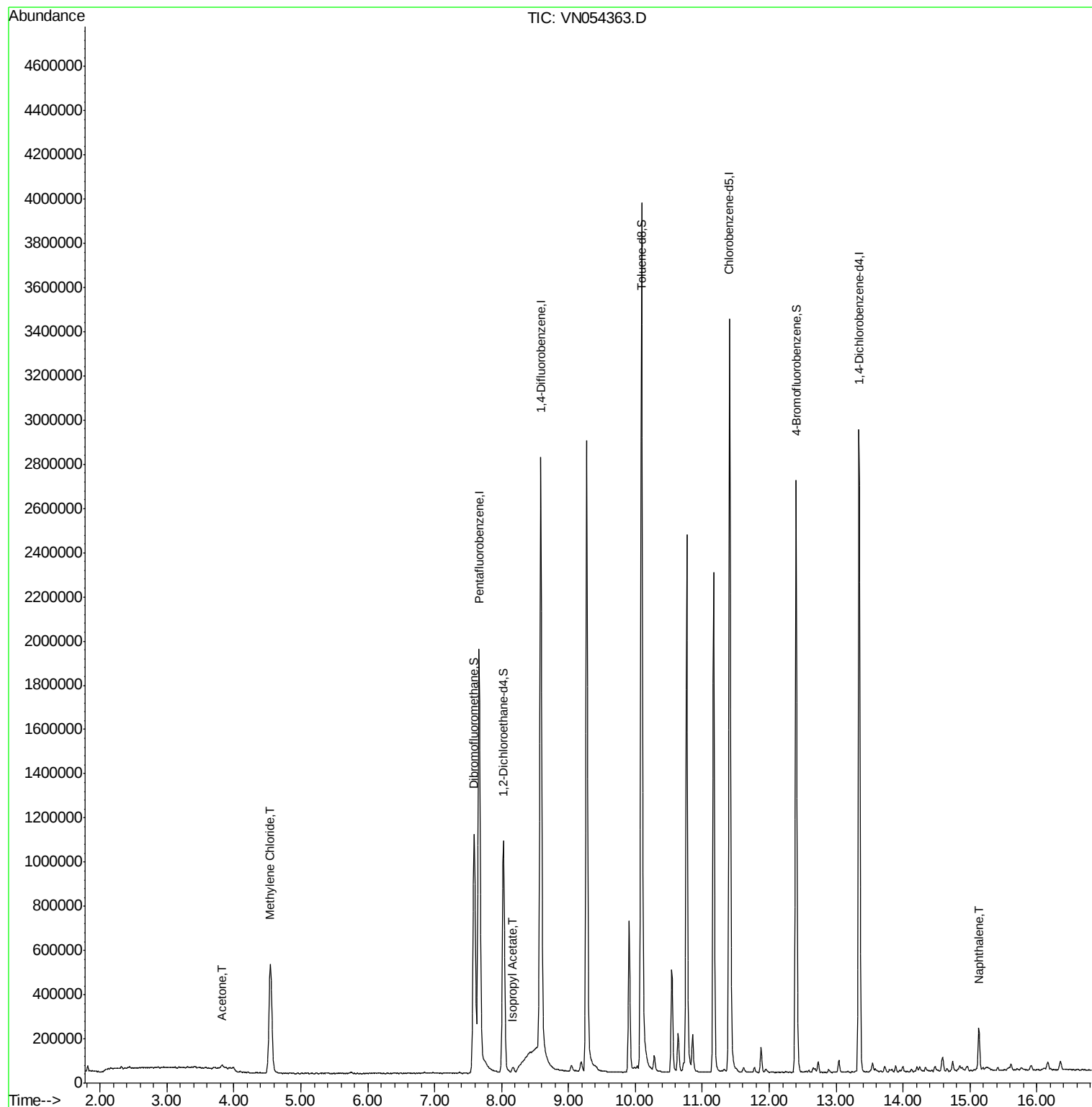
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1861876  | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2712287  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 2257349  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 868420   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 920847   | 46.57  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.14% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 822017   | 46.99  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.98% |          |
| 50) Toluene-d8              | 10.09 | 98   | 3116823  | 48.24  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.48% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 930499   | 41.16  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.32% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.82  | 43   | 21765    | 3.844  | ug/l   | 91       |
| 20) Methylene Chloride      | 4.54  | 84   | 398711   | 21.448 | ug/l   | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 27341    | 1.085  | ug/l # | 94       |
| 95) Naphthalene             | 15.13 | 128  | 181342   | 7.900  | ug/l   | 99       |

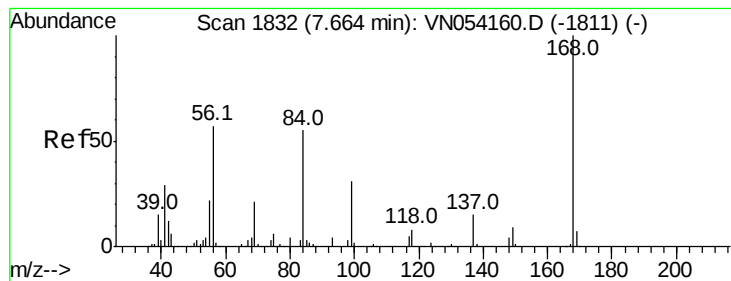
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054363.D

Acq: 17 Mar 2019 4:10

Instrument :

MSVOA\_N

ClientSampled :

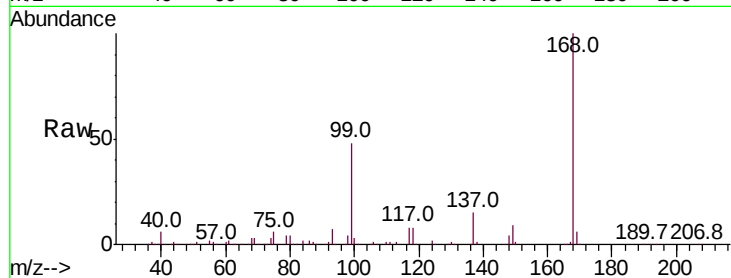
TP-7

Tot Ion:168 Resp: 1861876

Ion Ratio Lower Upper

168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

800000

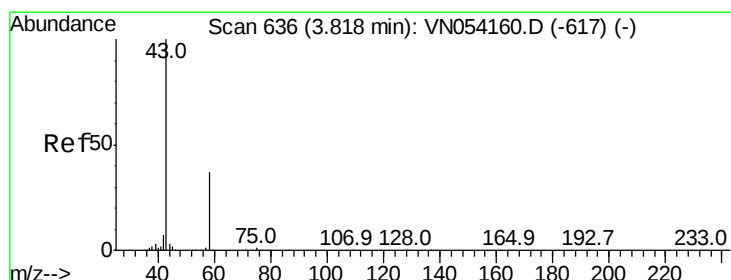
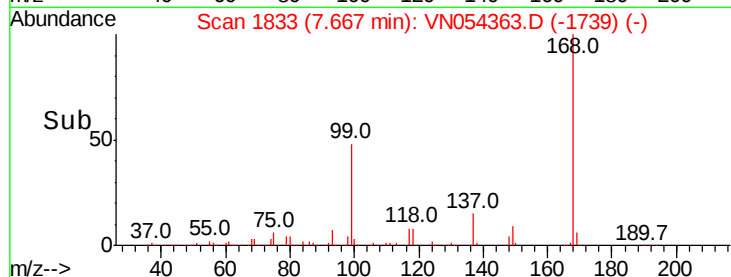
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 3.844 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054363.D

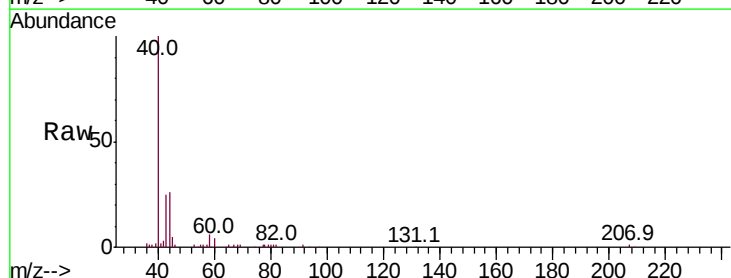
Acq: 17 Mar 2019 4:10

Tgt Ion: 43 Resp: 21765

Ion Ratio Lower Upper

43 100

58 32.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

12000

10000

8000

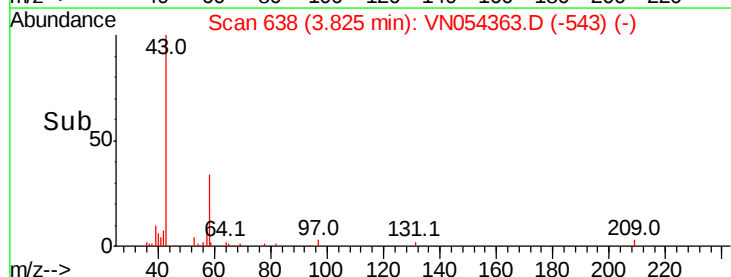
6000

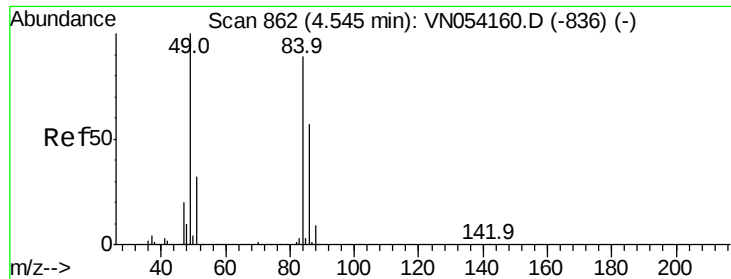
4000

2000

0

Time--> 3.75 3.80 3.85





#20

Methylene Chloride

Concen: 21.448 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-7

Tot Ion: 84 Resp: 398711

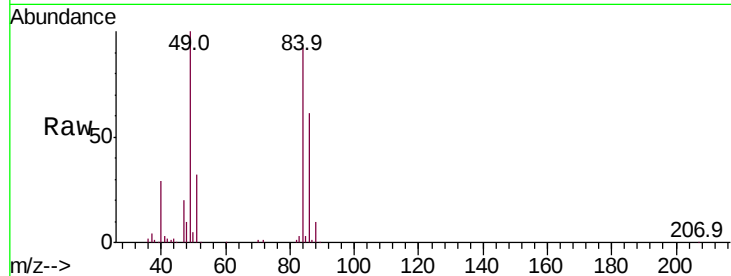
Ion Ratio Lower Upper

84 100

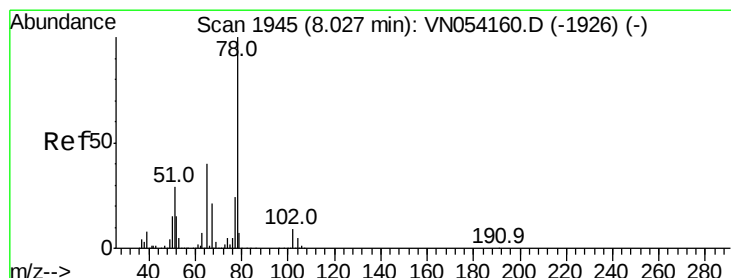
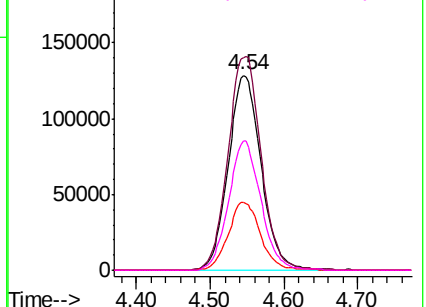
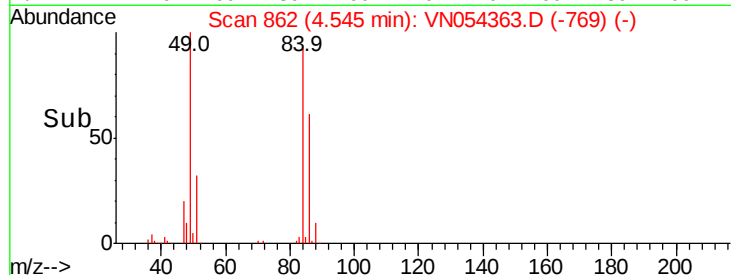
49 108.8 89.7 134.5

51 34.8 28.2 42.4

86 66.5 50.8 76.2



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



#33

1,2-Dichloroethane-d4

Concen: 46.571 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054363.D

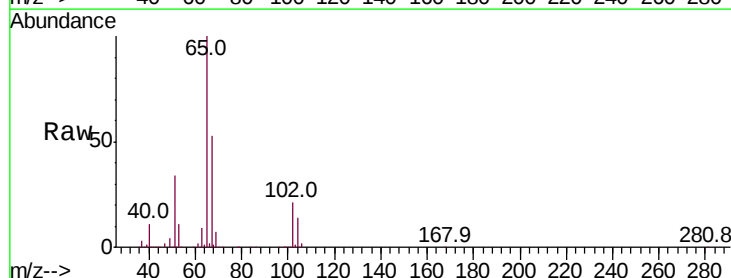
Acq: 17 Mar 2019 4:10

Tgt Ion: 65 Resp: 920847

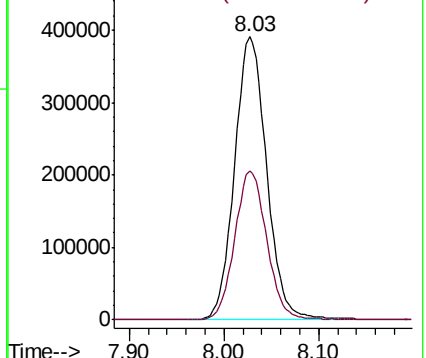
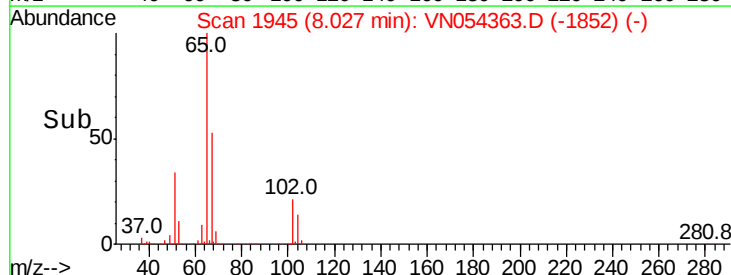
Ion Ratio Lower Upper

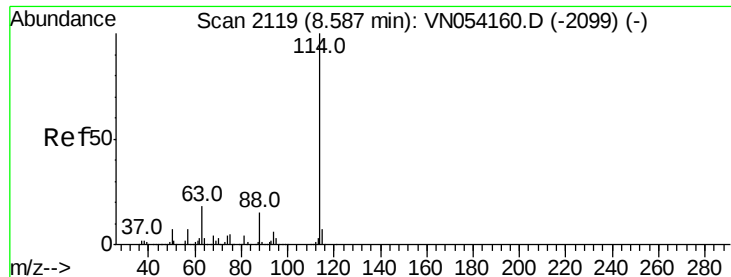
65 100

67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO  
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

Instrument :

MSVOA\_N

ClientSampleId :

TP-7

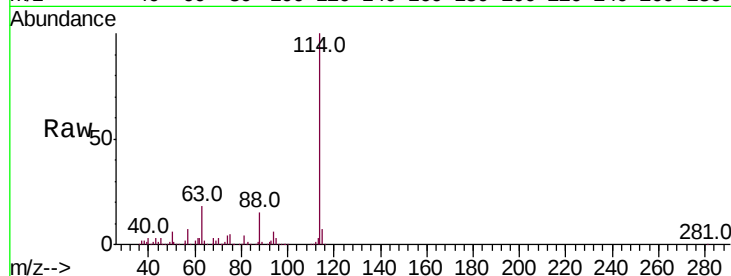
Tot Ion:114 Resp: 2712287

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

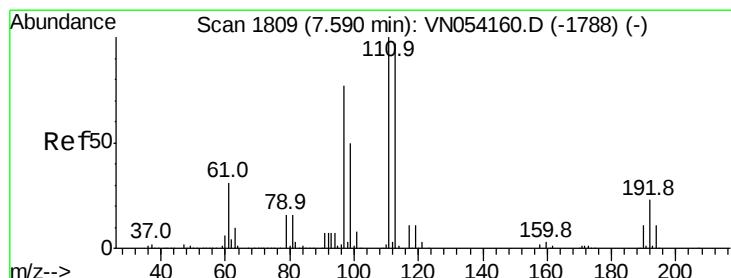
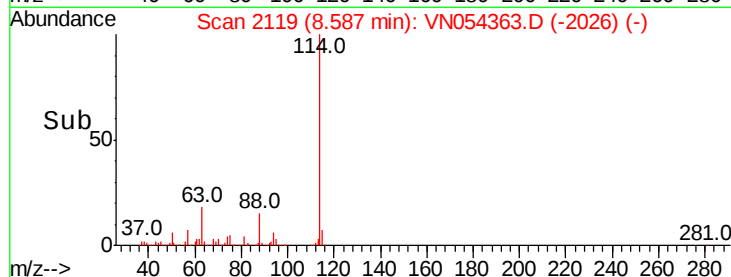
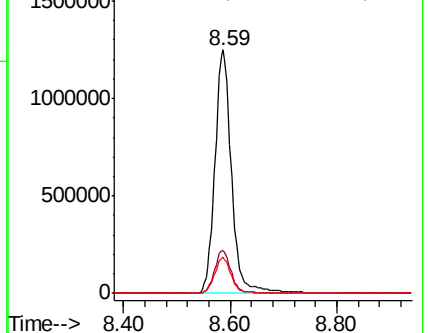
88 14.7 0.0 30.2



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: 46.991 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

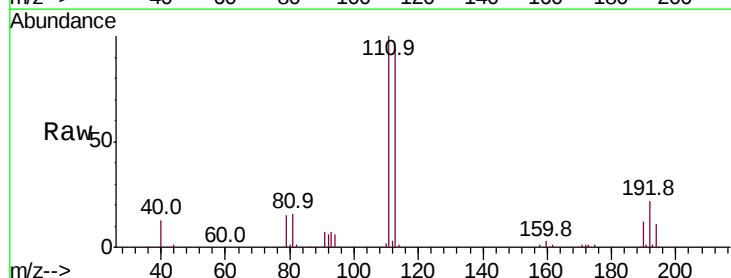
Tgt Ion:113 Resp: 822017

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

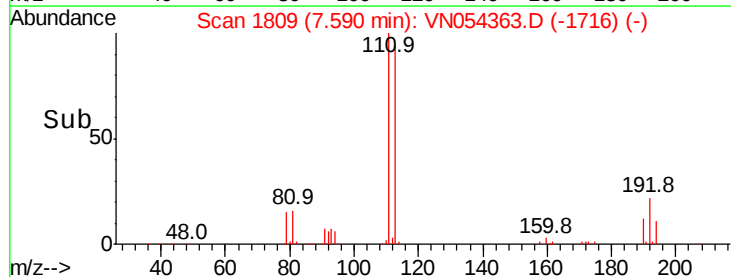
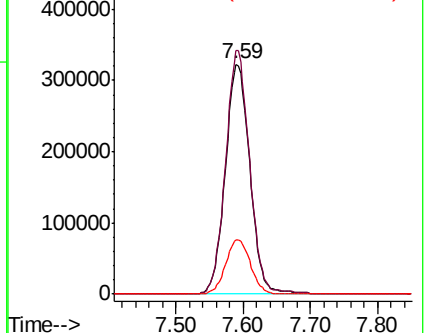
192 23.8 19.2 28.8

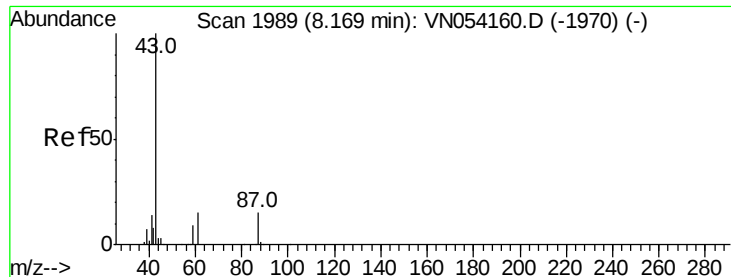


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.085 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

Instrument :

MSVOA\_N

ClientSampleId :

TP-7

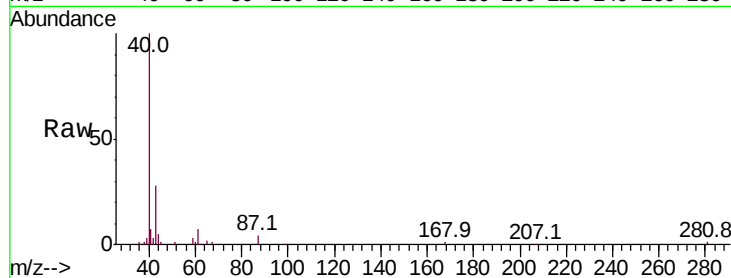
Tot Ion: 43 Resp: 27341

Ion Ratio Lower Upper

43 100

61 24.9 15.8 23.8#

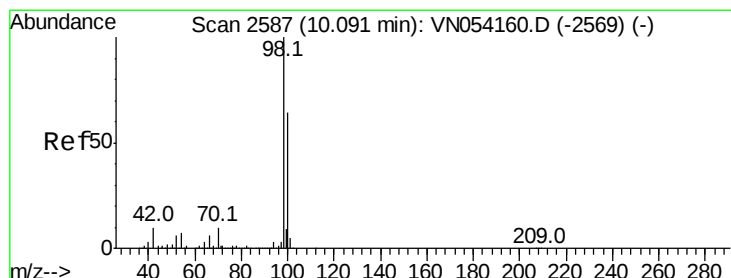
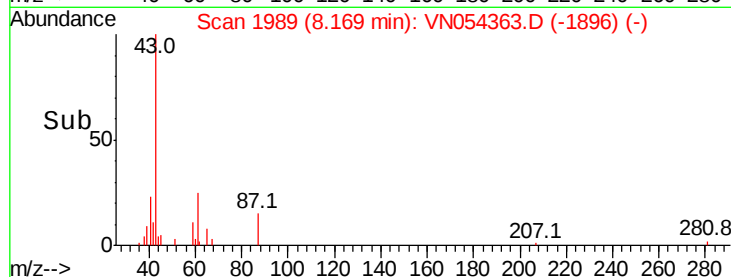
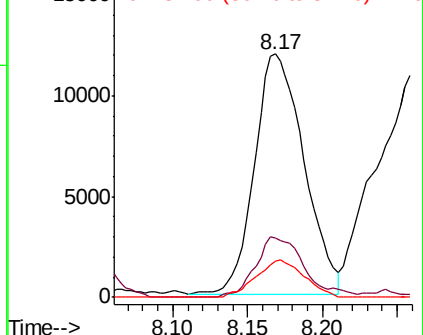
87 15.1 12.0 18.0



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: 48.245 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054363.D

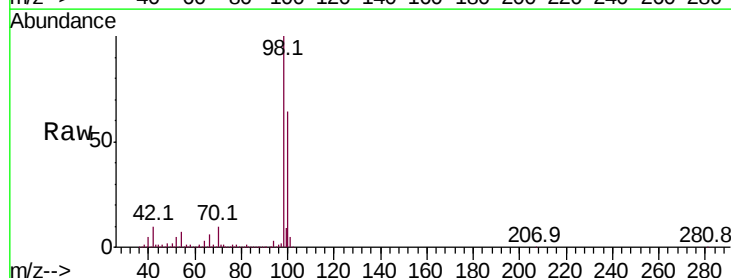
Acq: 17 Mar 2019 4:10

Tgt Ion: 98 Resp: 3116823

Ion Ratio Lower Upper

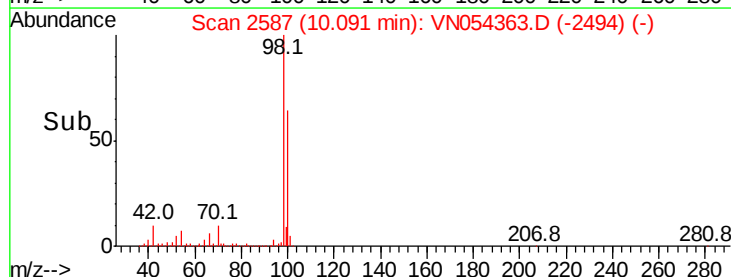
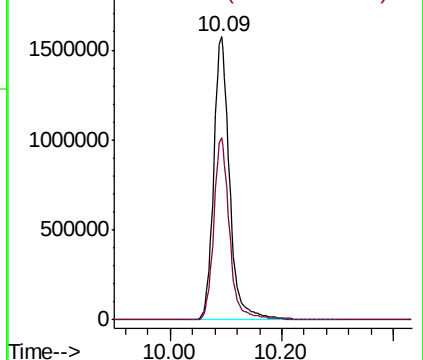
98 100

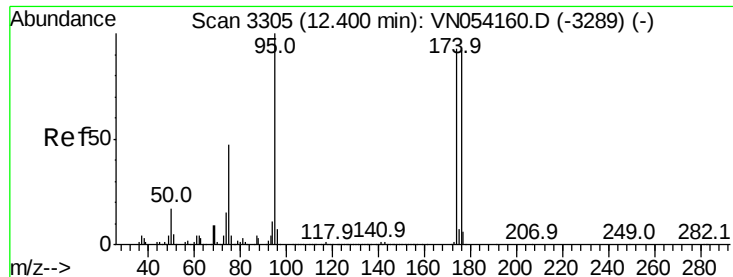
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 41.163 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

Instrument :

MSVOA\_N

ClientSampleId :

TP-7

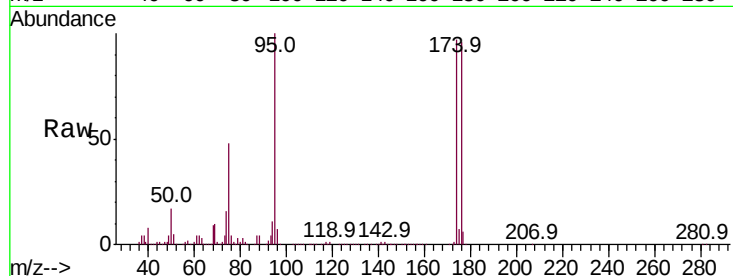
Tot Ion: 95 Resp: 930499

Ion Ratio Lower Upper

95 100

174 96.5 0.0 191.0

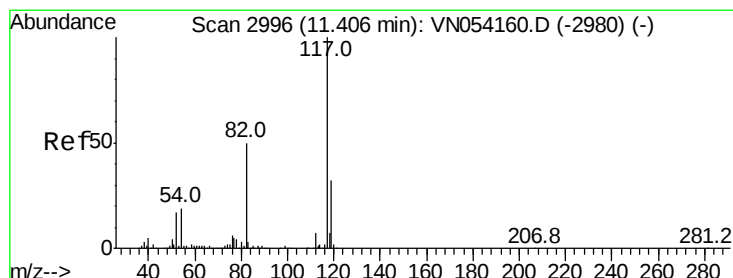
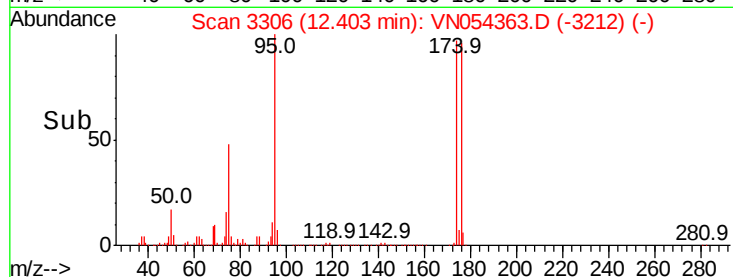
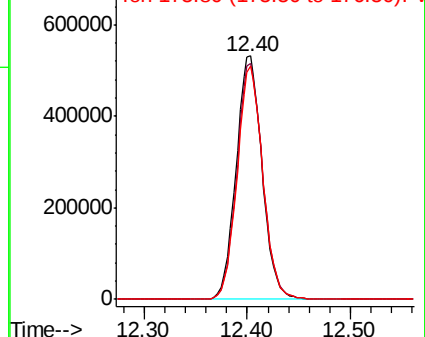
176 94.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054363.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054363.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054363.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

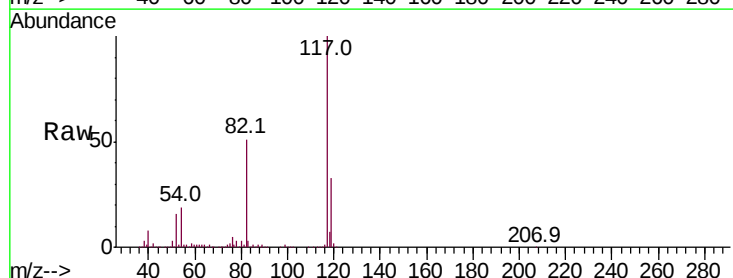
Tgt Ion: 117 Resp: 2257349

Ion Ratio Lower Upper

117 100

82 51.2 40.0 60.0

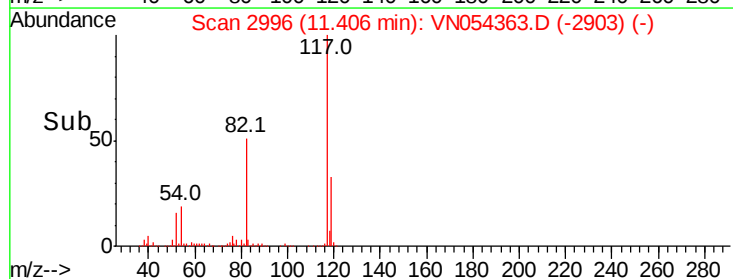
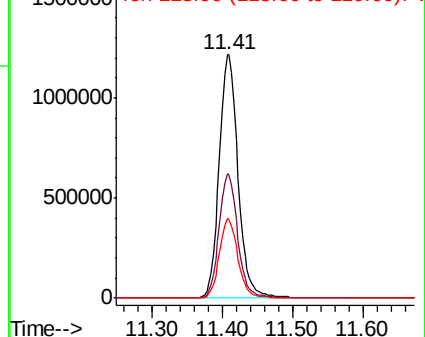
119 32.6 25.8 38.6

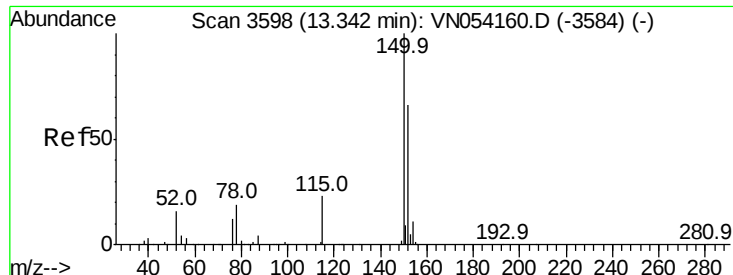


Abundance Ion 116.90 (116.60 to 117.60): VN054363.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054363.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054363.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: VN054363.D

Acq: 17 Mar 2019 4:10

Instrument :

MSVOA\_N

ClientSampleId :

TP-7

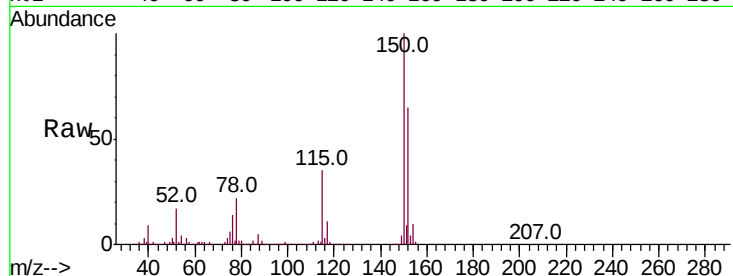
Tot Ion:152 Resp: 868420

Ion Ratio Lower Upper

152 100

115 54.3 27.2 81.6

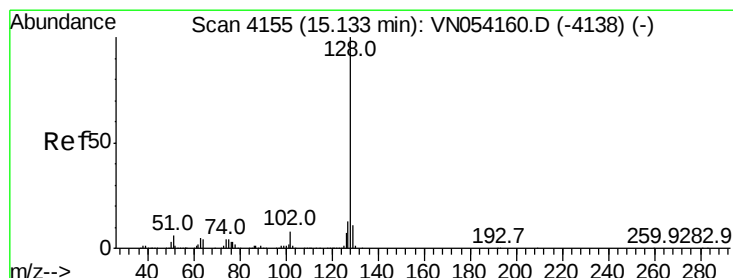
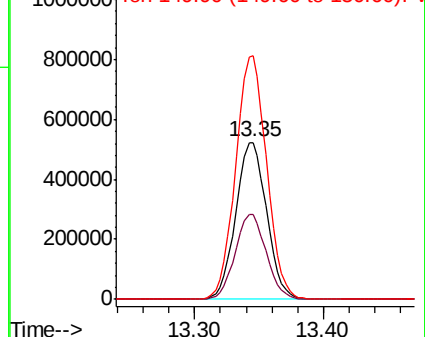
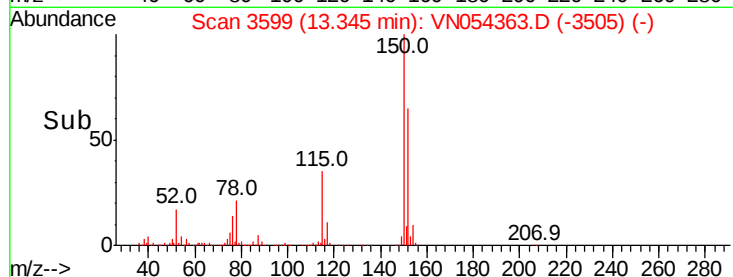
150 155.9 0.0 349.2



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: 7.900 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054363.D

Acq: 17 Mar 2019 4:10

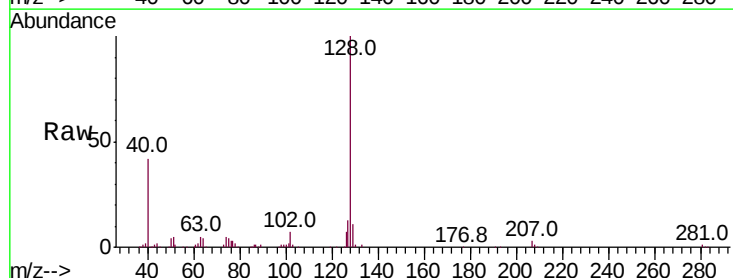
Tgt Ion:128 Resp: 181342

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.5 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

