

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\  
 Data File : VN055529.D  
 Acq On : 10 May 2019 5:24  
 Operator : JC/SP  
 Sample : K2758-29  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CKMW-06

Quant Time: May 10 13:55:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 04:17:44 2019  
 Response via : Initial Calibration

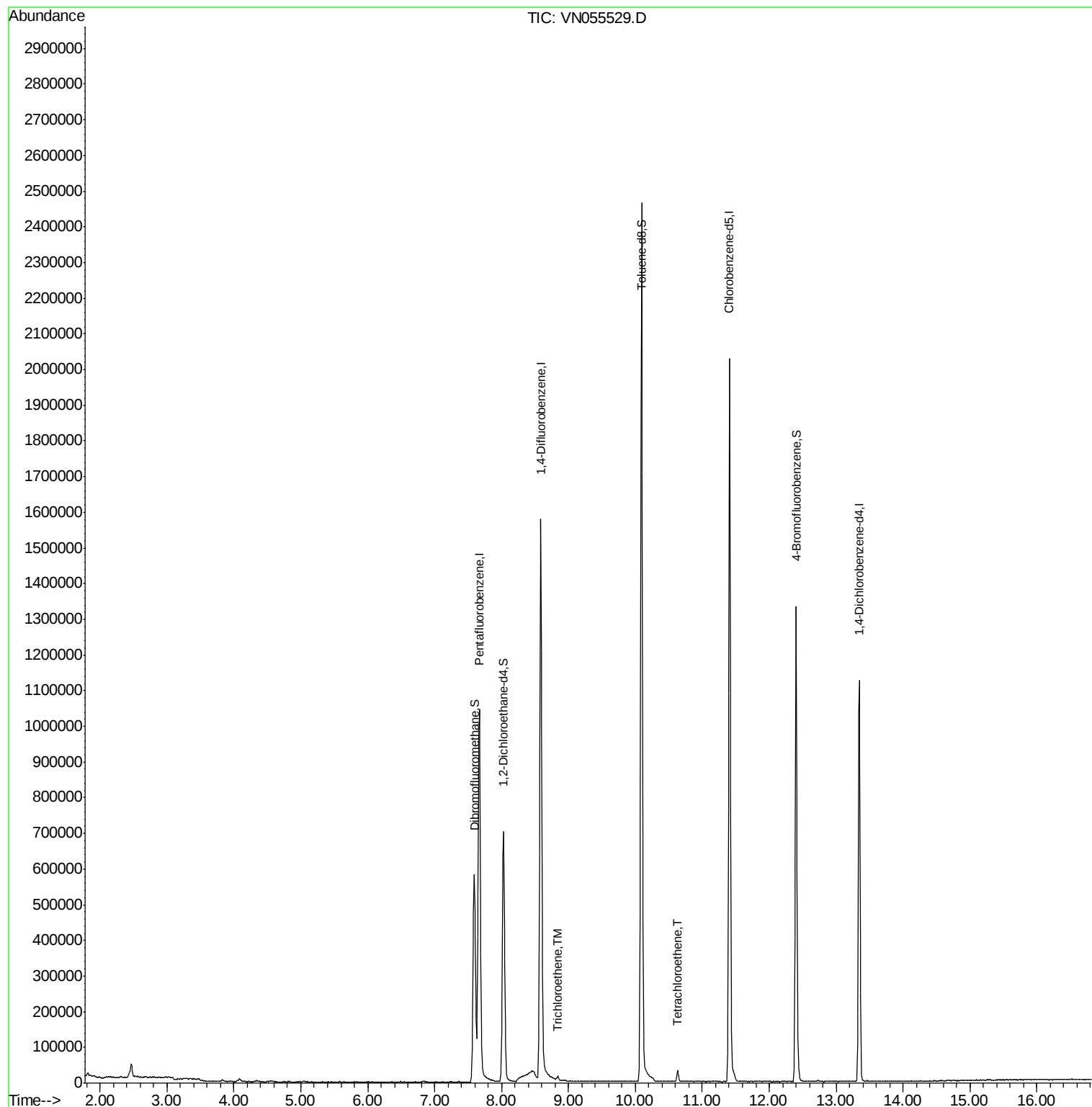
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 871755   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1466197  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1212033  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 316756   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 595288   | 45.35 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.70% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 457768   | 48.40 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.80% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1791643  | 48.61 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.22% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 499546   | 40.20 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.40% |          |
| Target Compounds            |       |      |          |       |        |          |
| 44) Trichloroethene         | 8.83  | 130  | 3393     | 0.318 | ug/l   | 89       |
| 64) Tetrachloroethene       | 10.63 | 164  | 6890     | 0.694 | ug/l # | 93       |

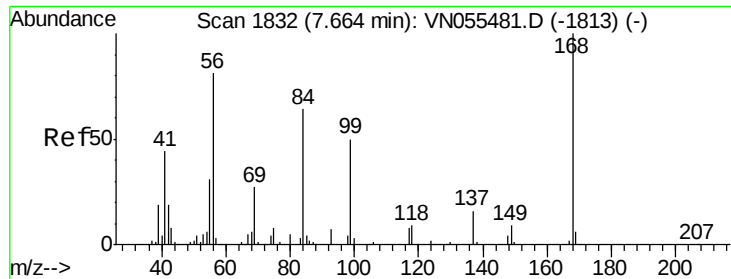
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 04:17:44 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: VN055529.D

Acq: 10 May 2019 5:24

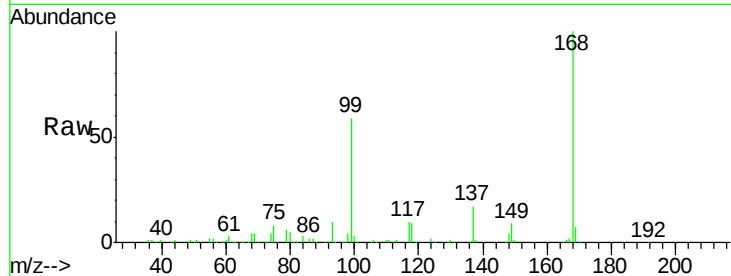
Instrument :  
MSVOA\_N  
ClientSampleId :  
CKMW-06

Tot Ion:168 Resp: 871755

Ion Ratio Lower Upper

168 100

99 59.0 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

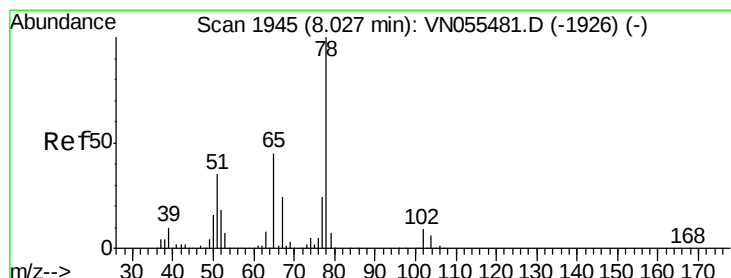
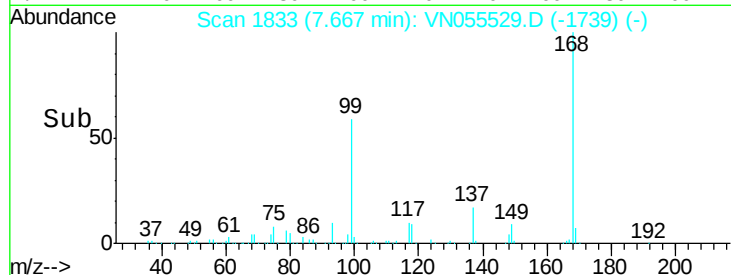
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.353 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055529.D

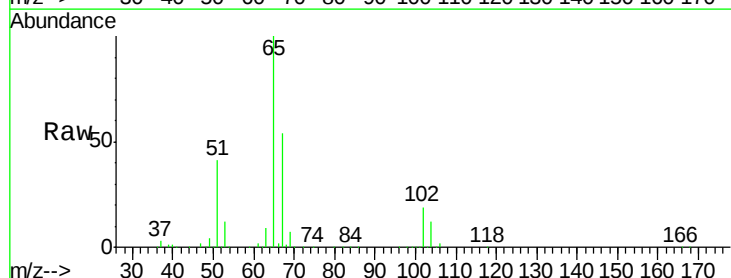
Acq: 10 May 2019 5:24

Tgt Ion: 65 Resp: 595288

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

300000

250000

200000

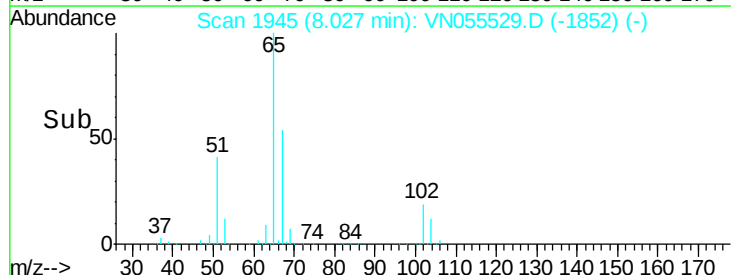
150000

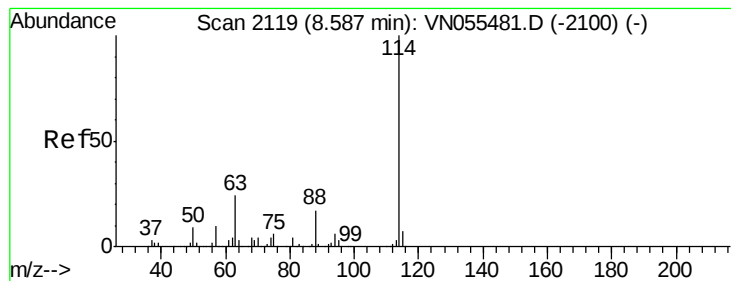
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-06

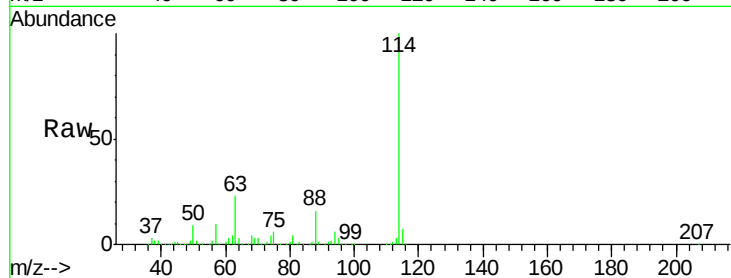
Tot Ion:114 Resp: 1466197

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.4

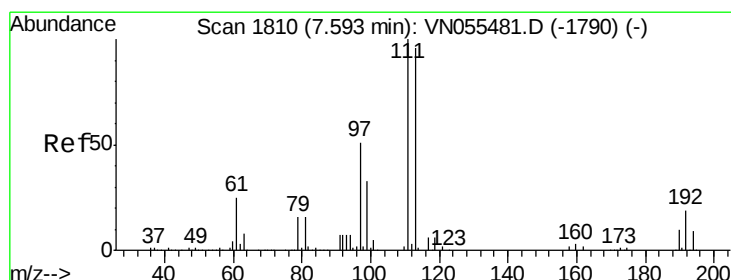
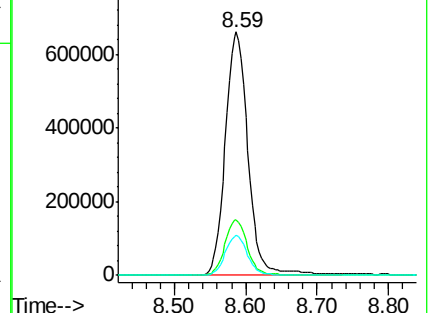
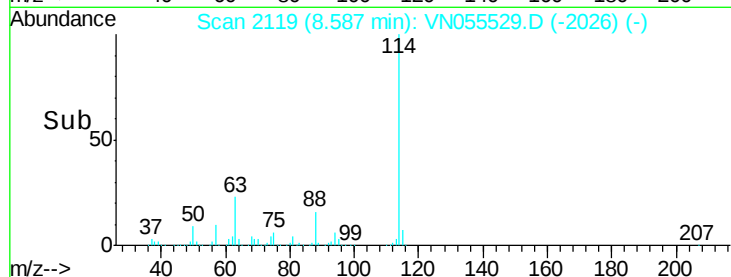
88 16.4 0.0 34.0



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: 48.399 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

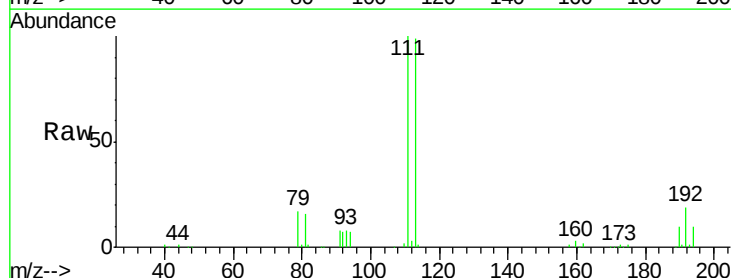
Tgt Ion:113 Resp: 457768

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

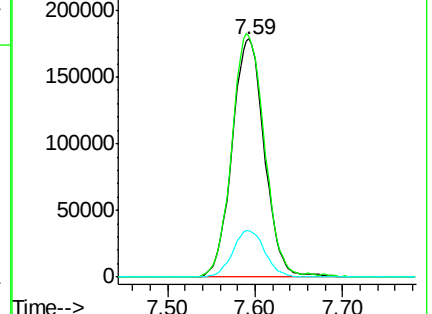
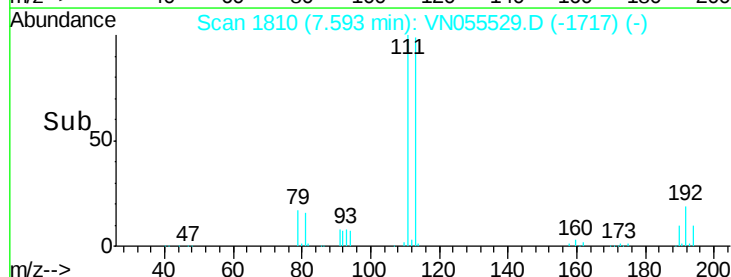
192 19.6 15.6 23.4

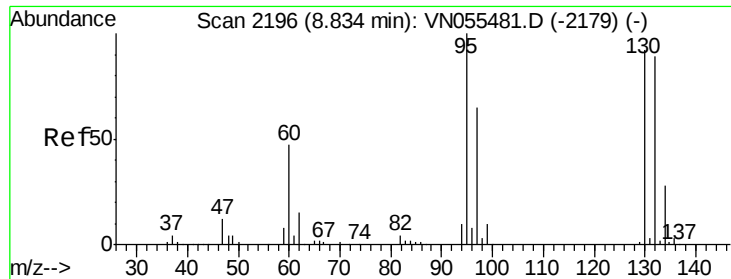


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.318 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA\_N

ClientSampleId :

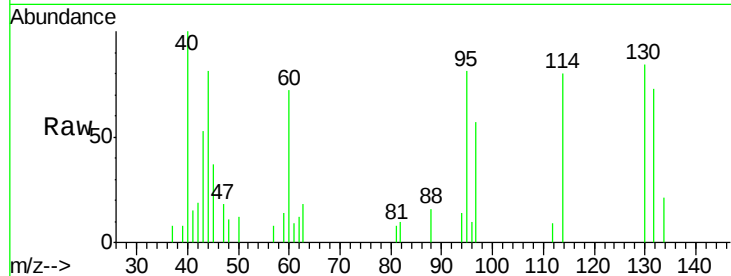
CKMW-06

Tot Ion:130 Resp: 3393

Ion Ratio Lower Upper

130 100

95 97.0 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

1500

1000

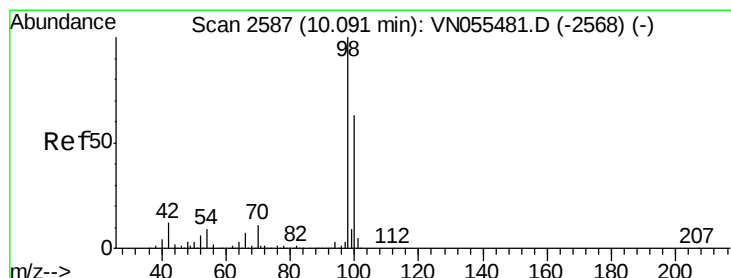
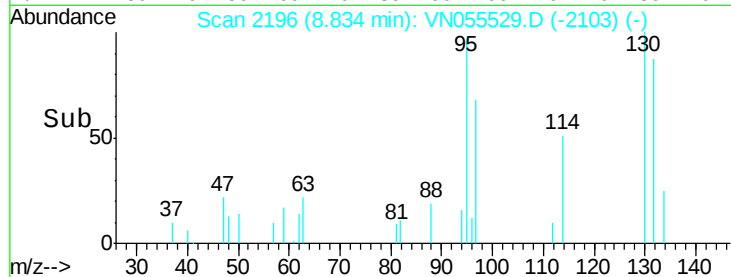
500

0

8.80

8.85

Time-->



#50

Toluene-d8

Concen: 48.610 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055529.D

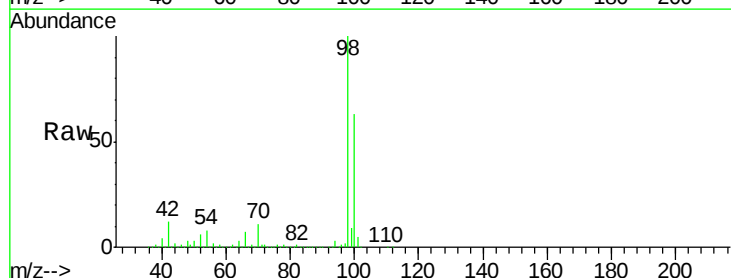
Acq: 10 May 2019 5:24

Tgt Ion: 98 Resp: 1791643

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.09

1000000

800000

600000

400000

200000

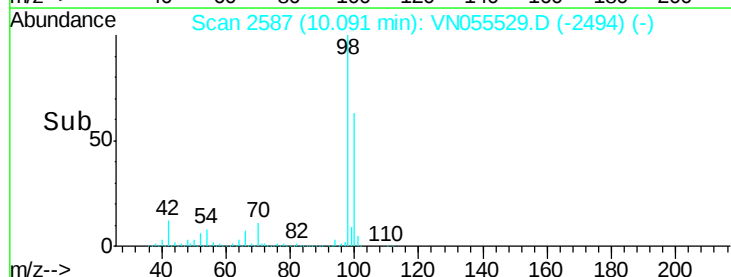
0

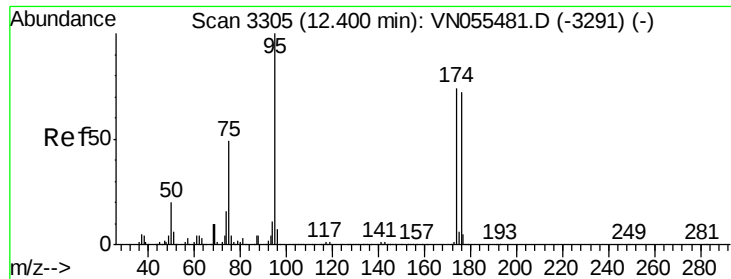
10.00

10.10

10.20

Time-->





#62

4-Bromofluorobenzene

Concen: 40.196 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-06

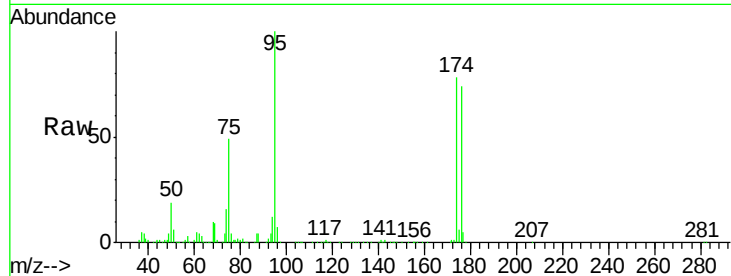
Tot Ion: 95 Resp: 499546

Ion Ratio Lower Upper

95 100

174 78.8 0.0 152.2

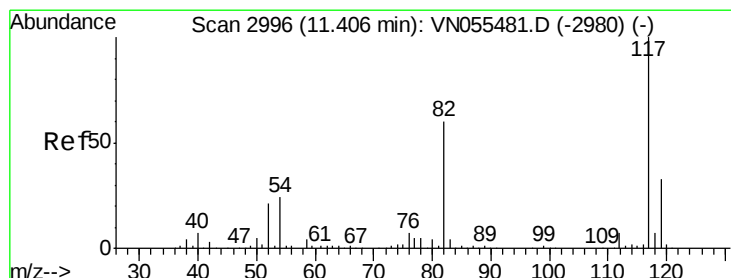
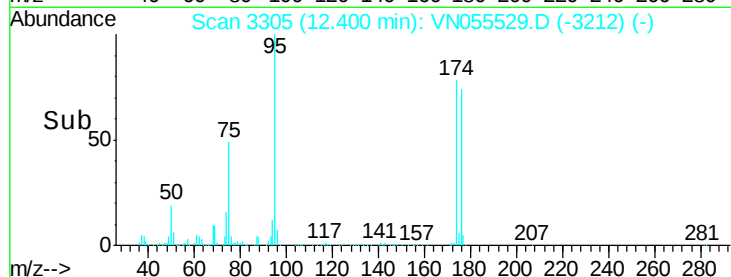
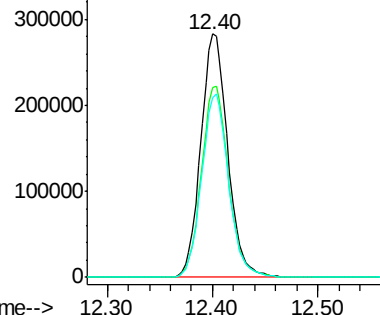
176 75.5 0.0 147.8



Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

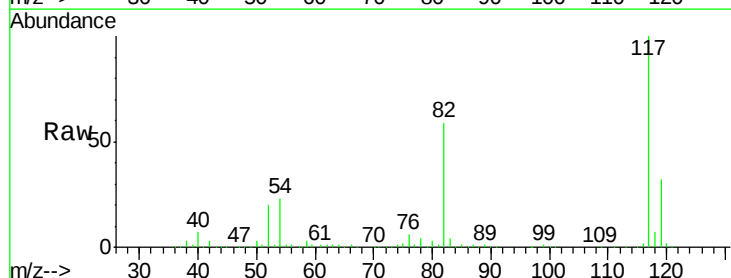
Tgt Ion: 117 Resp: 1212033

Ion Ratio Lower Upper

117 100

82 58.6 48.0 72.0

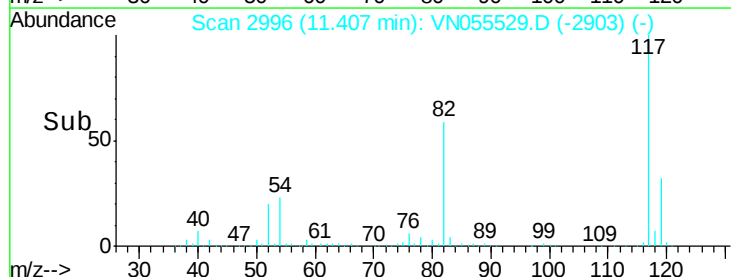
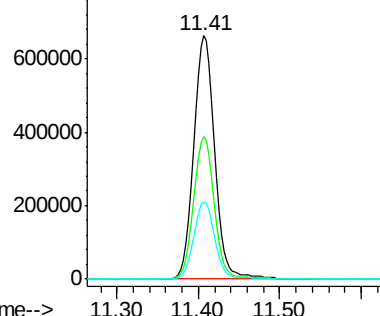
119 31.9 26.0 39.0

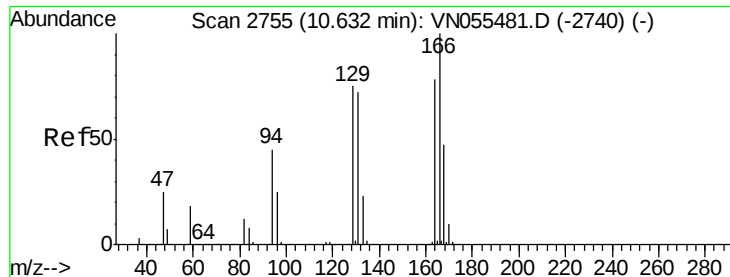


Abundance Ion 116.90 (116.60 to 117.60): VN055481.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055481.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055481.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.694 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055529.D

Acq: 10 May 2019 5:24

Instrument :

MSVOA\_N

ClientSampleId :

CKMW-06

Tot Ion:164 Resp: 6890

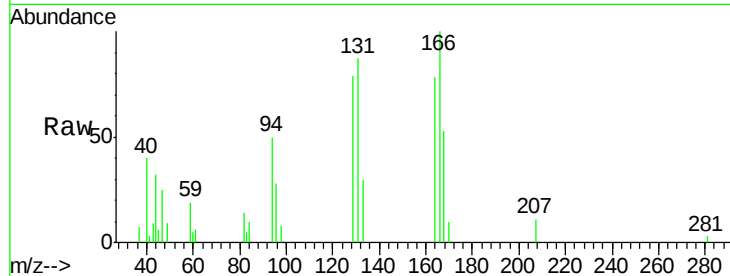
Ion Ratio Lower Upper

164 100

166 127.6 102.6 153.8

129 101.0 77.0 115.6

131 110.8 73.7 110.5#

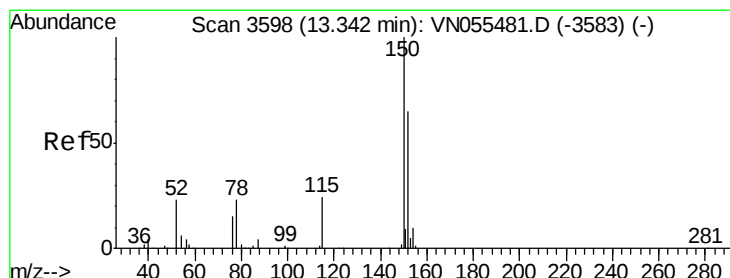
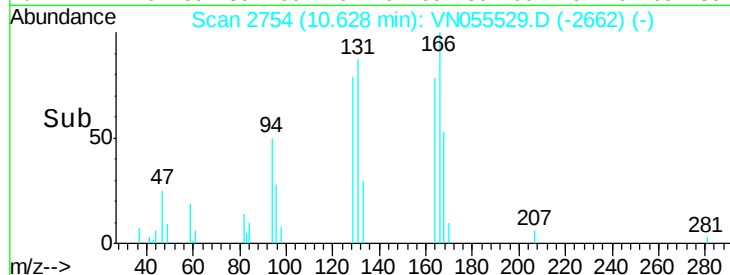
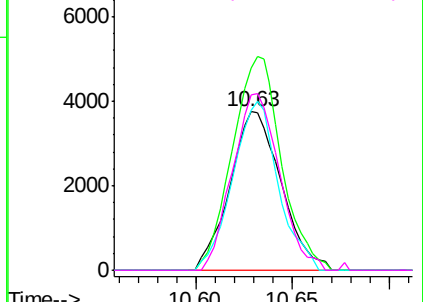


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN055529.D

Acq: 10 May 2019 5:24

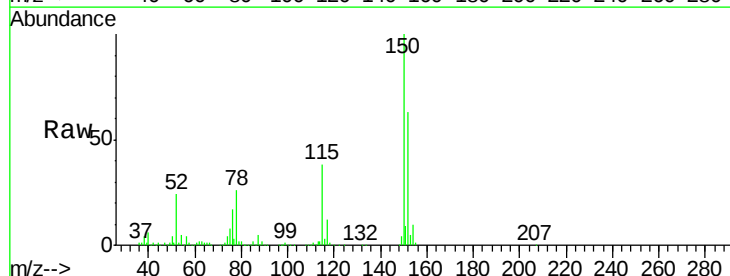
Tgt Ion:152 Resp: 316756

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 158.5 0.0 355.0



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

