

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057816.D
 Acq On : 9 Sep 2019 21:19
 Operator : JC/SP
 Sample : K4781-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW801-20.0-25.0-090719

Quant Time: Sep 13 04:37:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

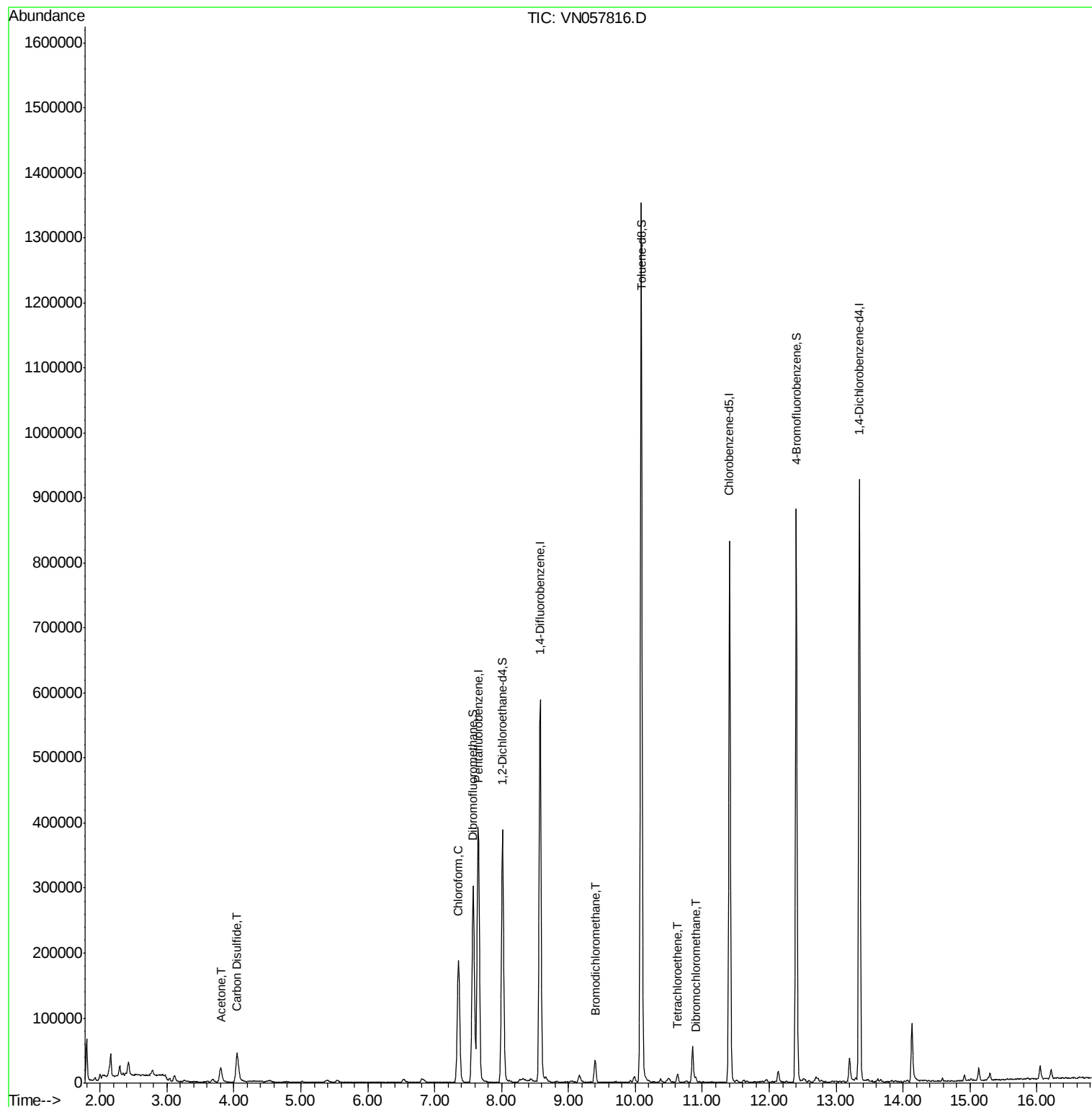
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	305526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	511668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228002	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	328431	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	7.58	113	230365	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.09	98	929514	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	294889	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	
Target Compounds						
16) Acetone	3.80	43	39793	19.616	ug/l	99
17) Carbon Disulfide	4.03	76	3671	0.881	ug/l #	73
30) Chloroform	7.36	83	190456	22.323	ug/l	98
47) Bromodichloromethane	9.40	83	22096	3.522	ug/l	93
60) Dibromochloromethane	10.90	129	2958	0.668	ug/l	93
64) Tetrachloroethene	10.63	164	2369	0.707	ug/l	86

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

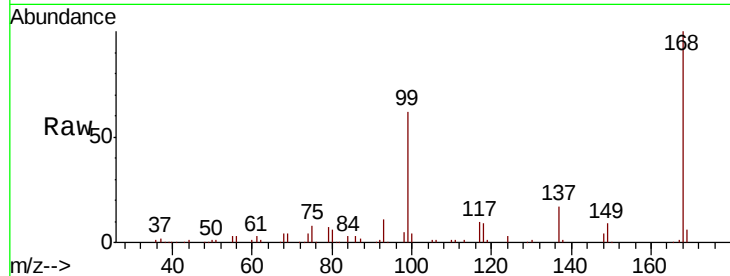
GW801-20.0-25.0-090719

Tot Ion:168 Resp: 305526

Ion Ratio Lower Upper

168 100

99 61.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

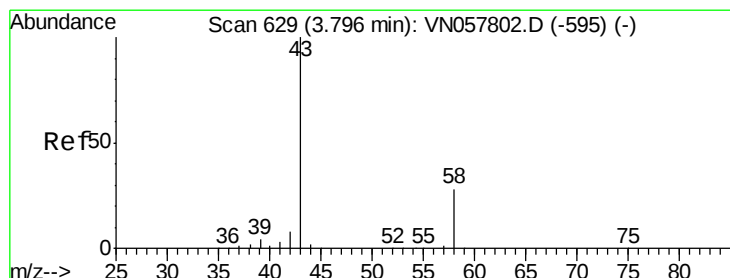
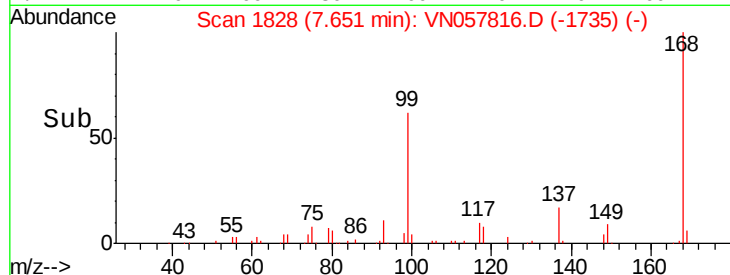
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 19.616 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057816.D

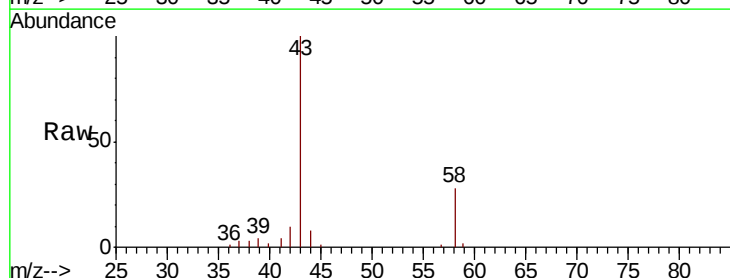
Acq: 9 Sep 2019 21:19

Tgt Ion: 43 Resp: 39793

Ion Ratio Lower Upper

43 100

58 28.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.80

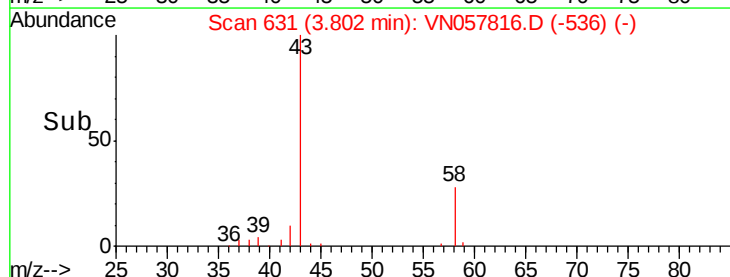
15000

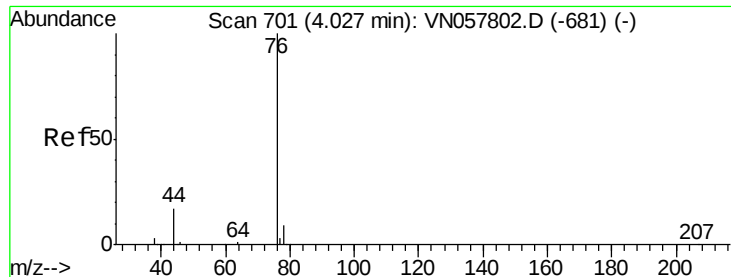
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 0.881 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

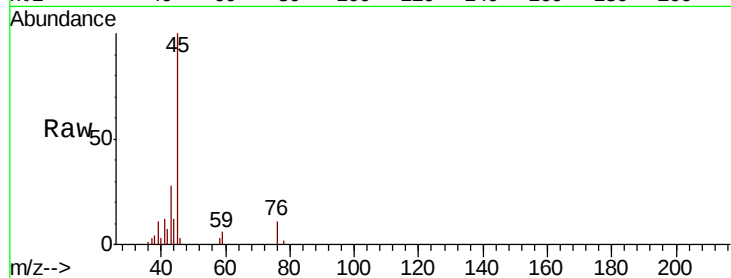
GW801-20.0-25.0-090719

Tot Ion: 76 Resp: 3671

Ion Ratio Lower Upper

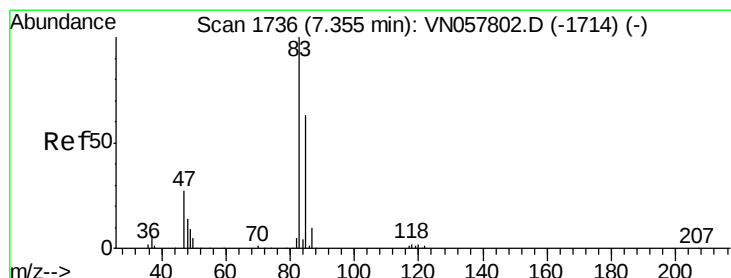
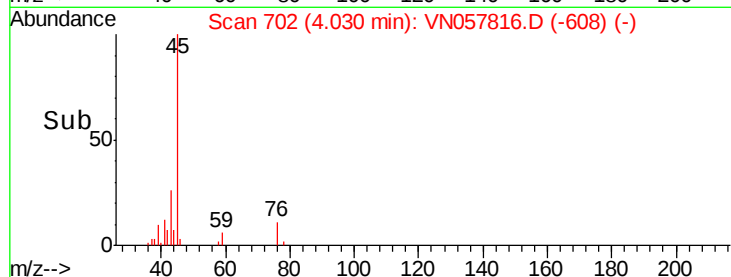
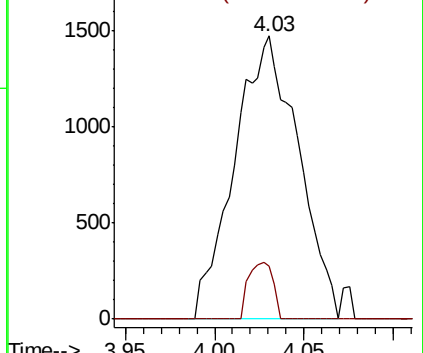
76 100

78 18.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#30

Chloroform

Concen: 22.323 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057816.D

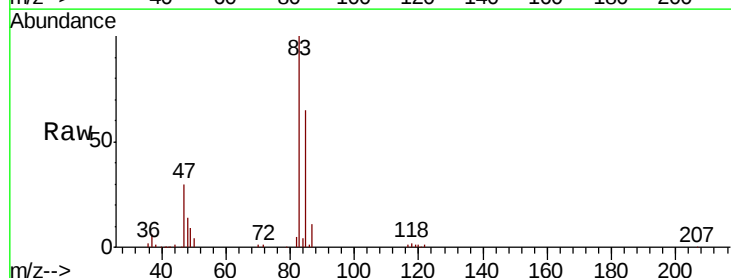
Acq: 9 Sep 2019 21:19

Tgt Ion: 83 Resp: 190456

Ion Ratio Lower Upper

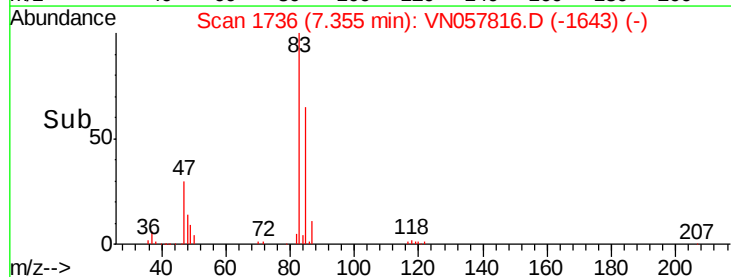
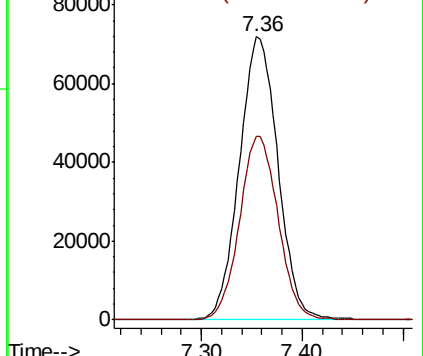
83 100

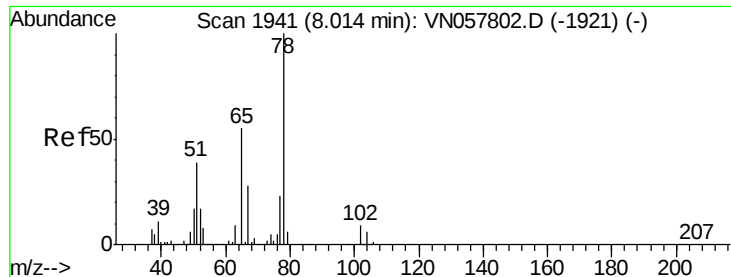
85 65.0 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

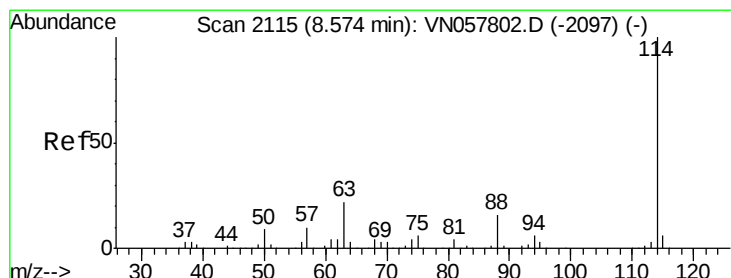
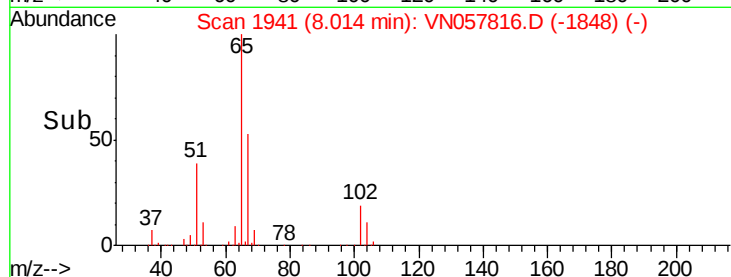
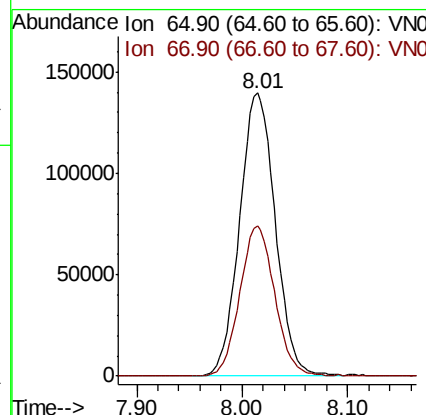
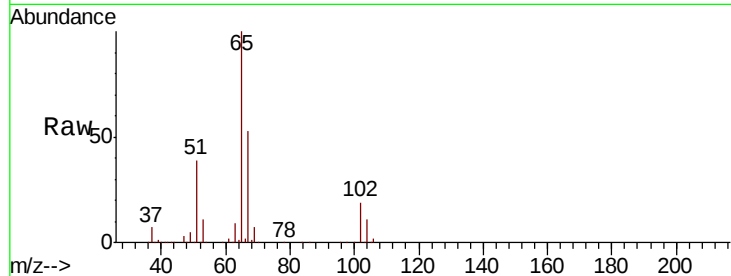




#33
 1,2-Dichloroethane-d4
 Concen: 53.074 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

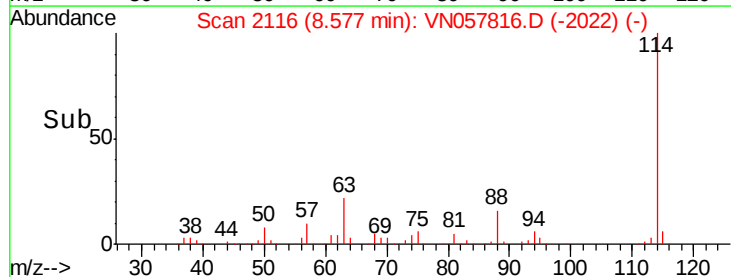
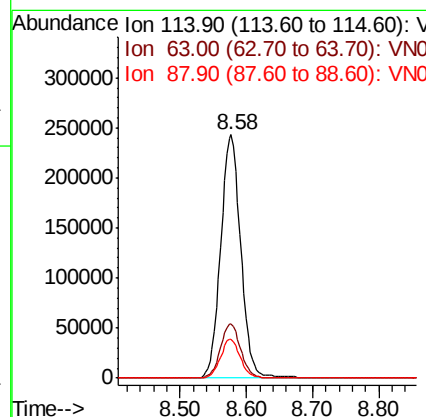
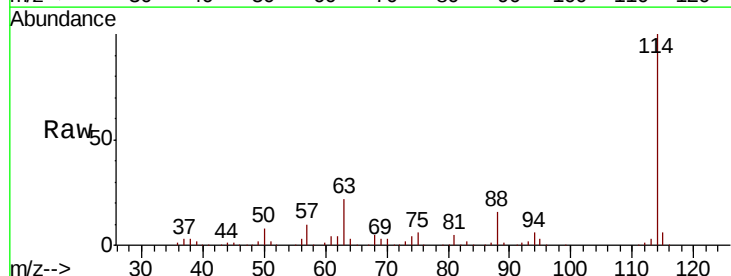
Instrument :
 MSVOA_N
 ClientSampleId :
 GW801-20.0-25.0-090719

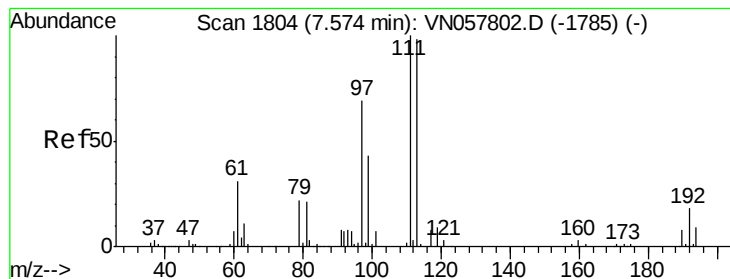
Tot Ion: 65 Resp: 328431
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057816.D
 Acq: 9 Sep 2019 21:19

Tgt Ion: 114 Resp: 511668
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.780 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

GW801-20.0-25.0-090719

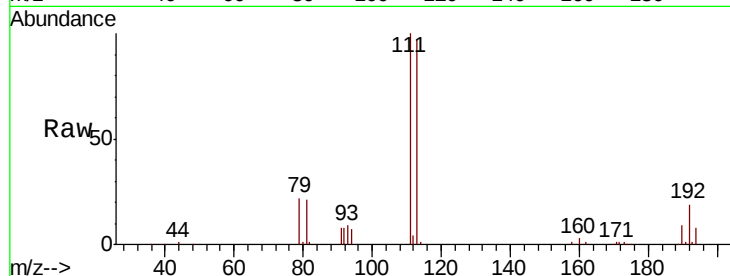
Tot Ion:113 Resp: 230365

Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 18.3 14.6 22.0

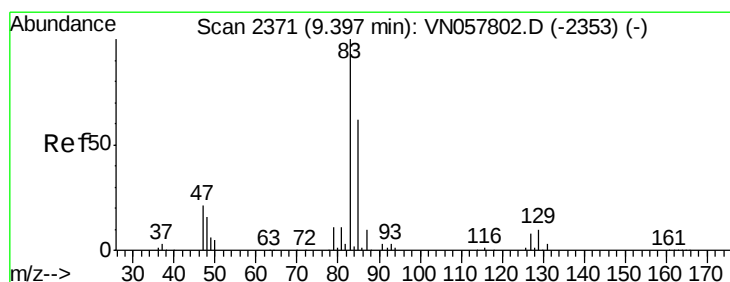
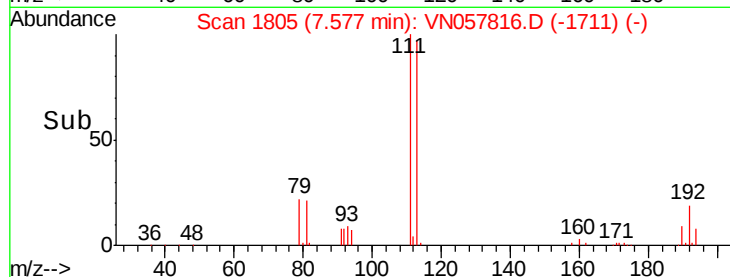
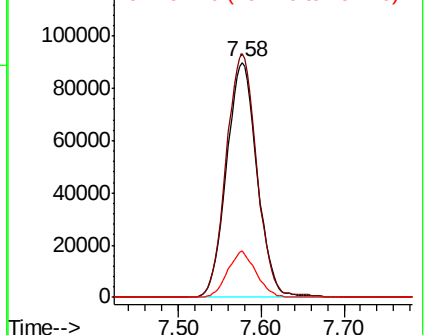


Abundance

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



#47

Bromodichloromethane

Concen: 3.522 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

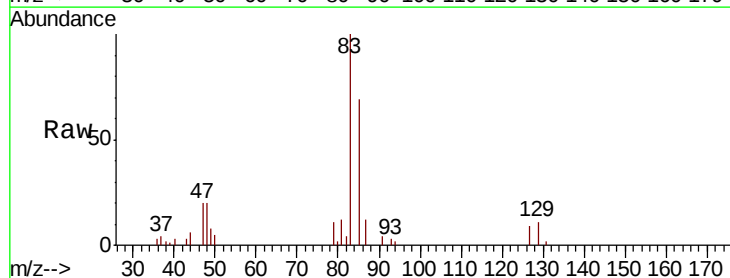
Tgt Ion: 83 Resp: 22096

Ion Ratio Lower Upper

83 100

85 68.6 49.9 74.9

127 8.6 6.5 9.7

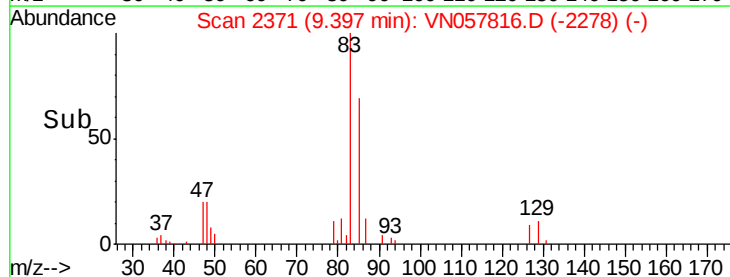
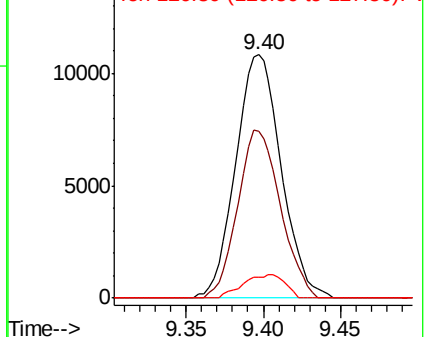


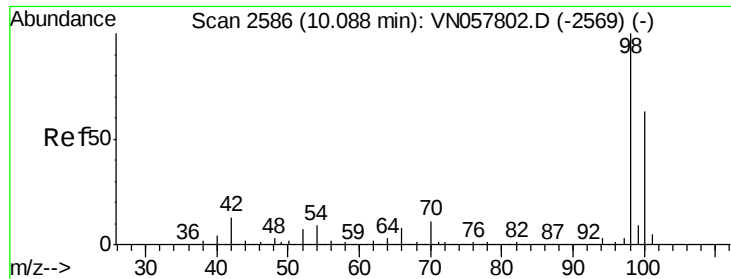
Abundance

Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 50.695 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

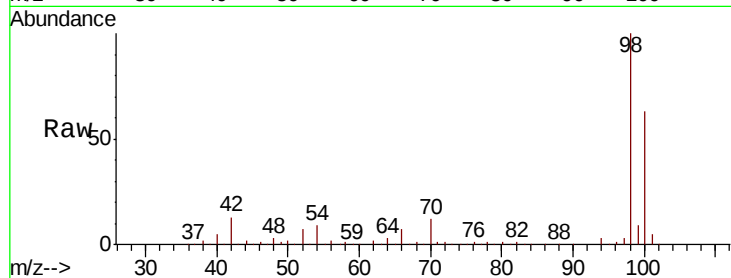
GW801-20.0-25.0-090719

Tot Ion: 98 Resp: 929514

Ion Ratio Lower Upper

98 100

100 62.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057816.D (-2493) (-)

10.09

500000

400000

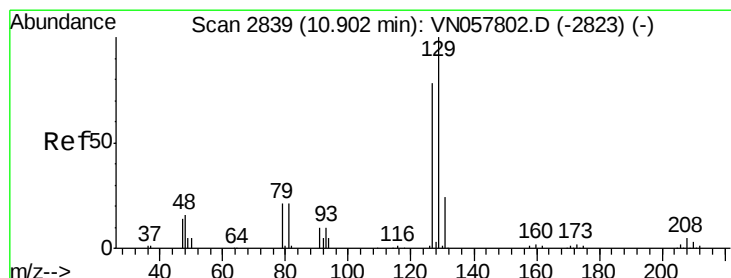
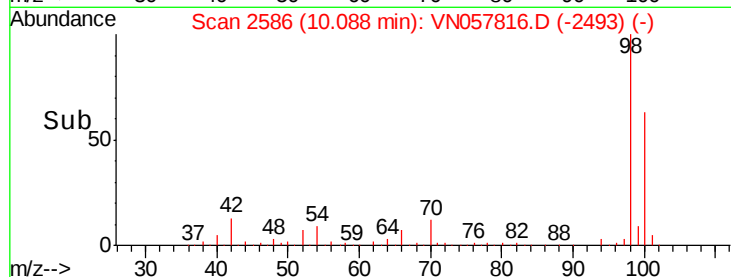
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 0.668 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057816.D

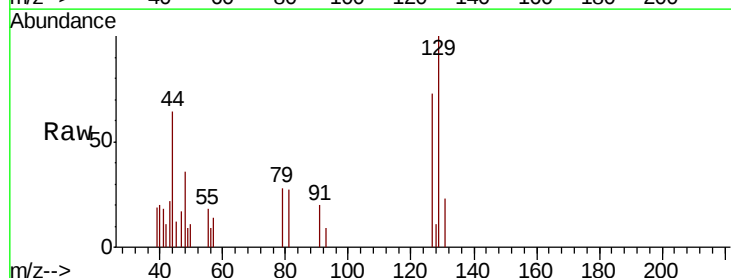
Acq: 9 Sep 2019 21:19

Tgt Ion: 129 Resp: 2958

Ion Ratio Lower Upper

129 100

127 71.2 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): VN057802.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN057816.D (-2746) (-)

10.90

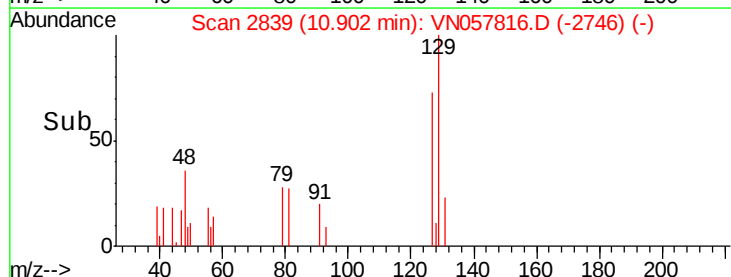
1500

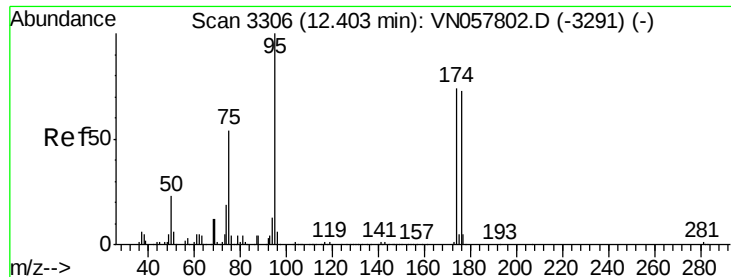
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 42.203 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

GW801-20.0-25.0-090719

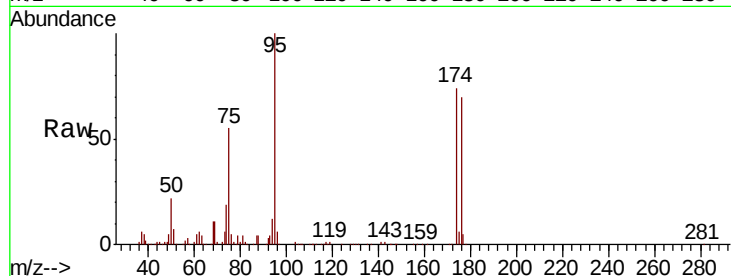
Tot Ion: 95 Resp: 294889

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

176 71.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.40

200000

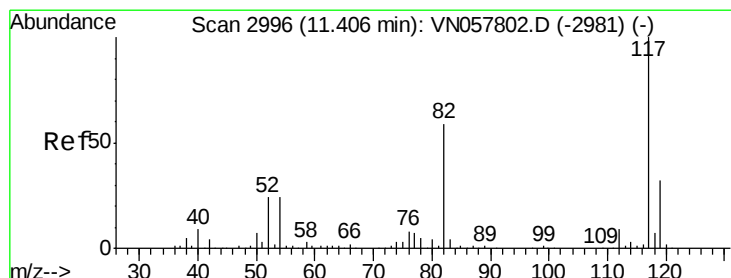
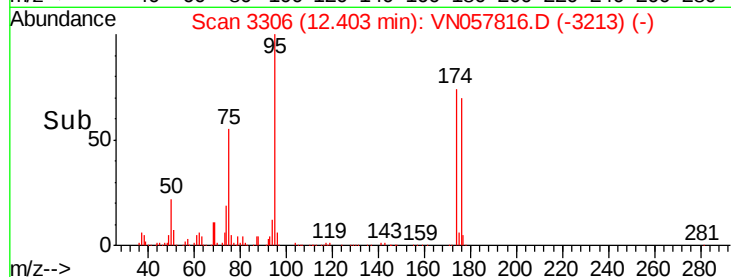
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

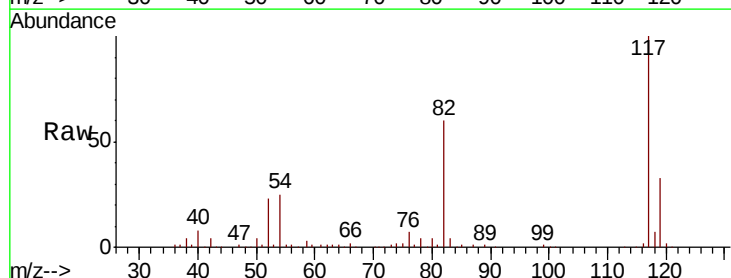
Tgt Ion: 117 Resp: 453946

Ion Ratio Lower Upper

117 100

82 60.2 47.2 70.8

119 32.6 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41

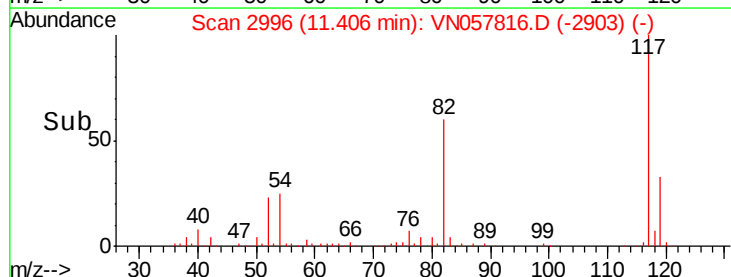
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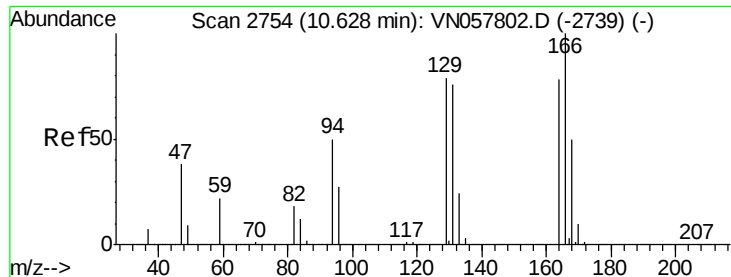
200000

100000

0

Time--> 11.30 11.40 11.50





#64

Tetrachloroethene

Concen: 0.707 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.01 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

Instrument :

MSVOA_N

ClientSampleId :

GW801-20.0-25.0-090719

Tot Ion:164 Resp: 2369

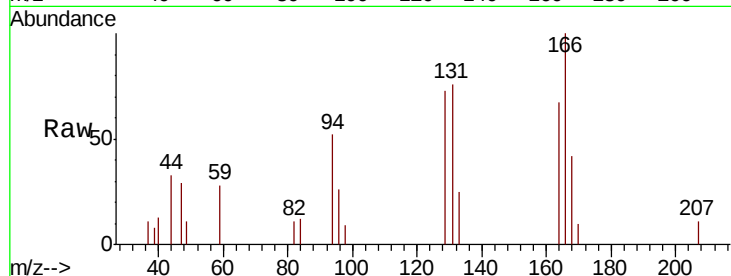
Ion Ratio Lower Upper

164 100

166 148.5 102.2 153.2

129 107.7 80.8 121.2

131 113.4 77.4 116.2

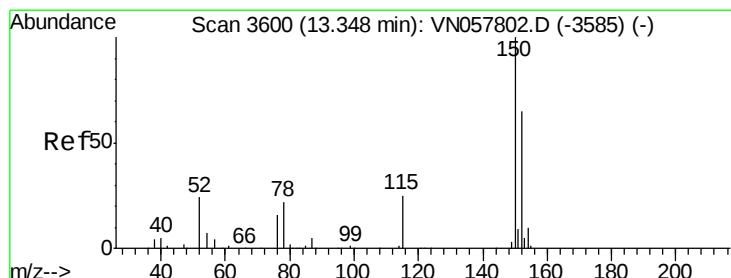
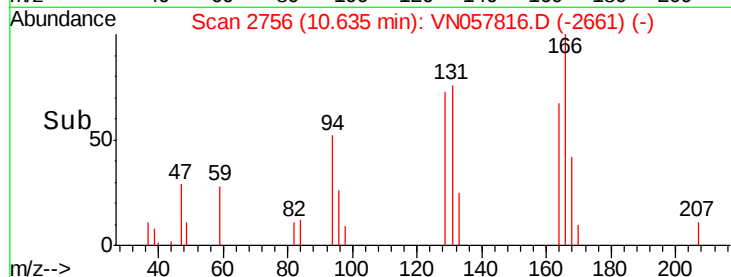
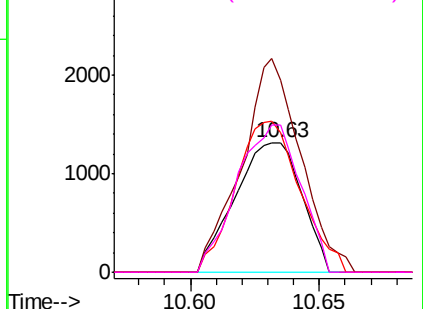


Abundance Ion 163.80 (163.50 to 164.50): V

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# 3600

Delta R.T. 0.00 min

Lab File: VN057816.D

Acq: 9 Sep 2019 21:19

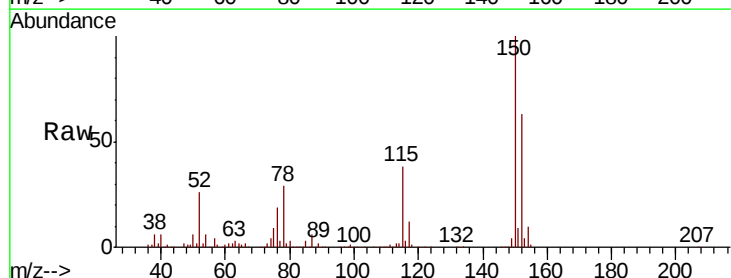
Tgt Ion:152 Resp: 228002

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

150 158.8 0.0 352.4



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

