

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058116.D
 Acq On : 16 Sep 2019 14:16
 Operator : JC/SP
 Sample : K4719-27
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T4-2(0)-HELLGATE

Quant Time: Sep 17 09:08:16 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

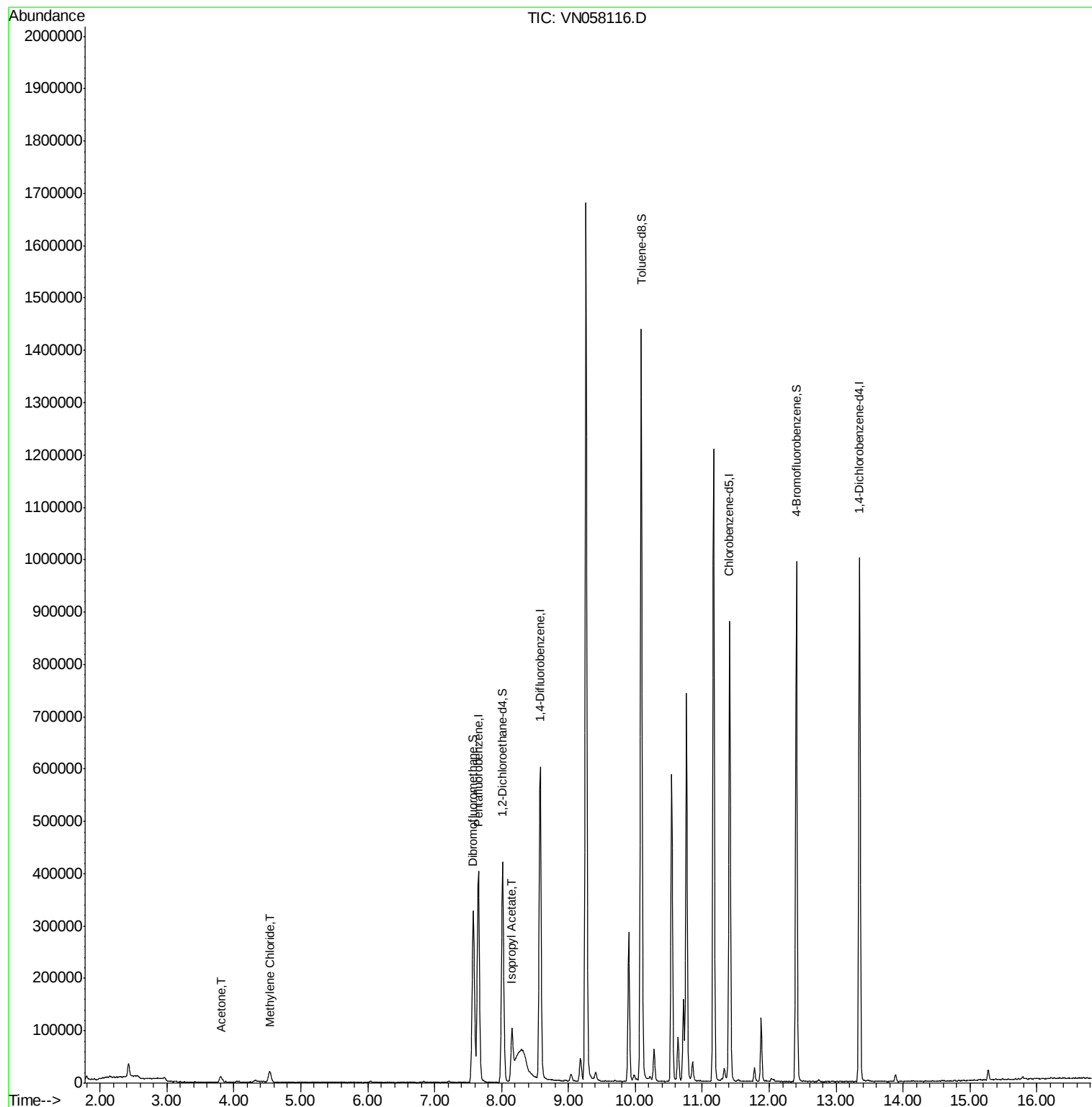
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	306239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	361481	58.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.56%	
35) Dibromofluoromethane	7.58	113	247562	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
50) Toluene-d8	10.09	98	986900	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.41	95	334684	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
Target Compounds						
16) Acetone	3.80	43	18563	9.129	ug/l	96
20) Methylene Chloride	4.54	84	15005	2.712	ug/l	93
43) Isopropyl Acetate	8.15	43	131587	12.662	ug/l #	86

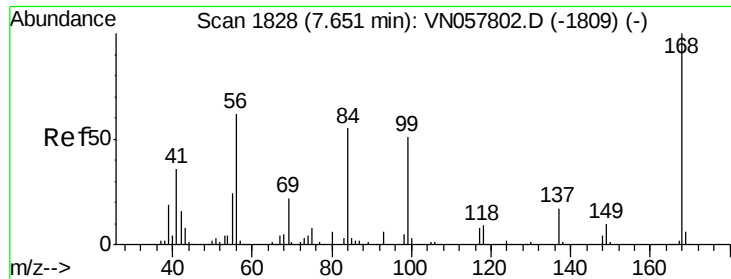
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058116.D

Acq: 16 Sep 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

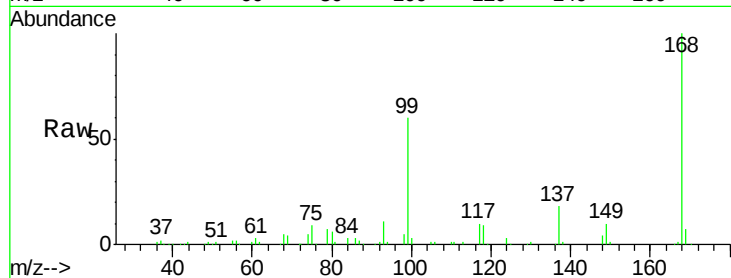
T4-2(0)-HELLGATE

Tot Ion:168 Resp: 306239

Ion Ratio Lower Upper

168 100

99 60.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN058116.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058116.D (-1735) (-)

7.65

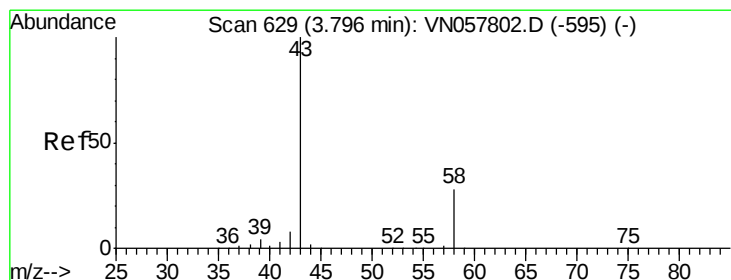
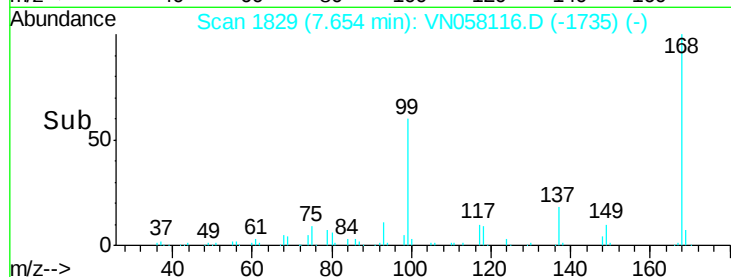
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.129 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058116.D

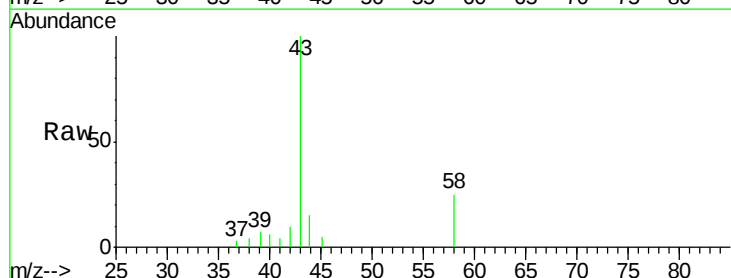
Acq: 16 Sep 2019 14:16

Tgt Ion: 43 Resp: 18563

Ion Ratio Lower Upper

43 100

58 25.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN058116.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058116.D (-536) (-)

3.80

8000

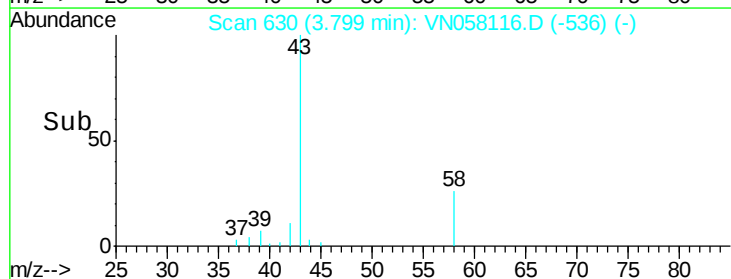
6000

4000

2000

0

Time-->

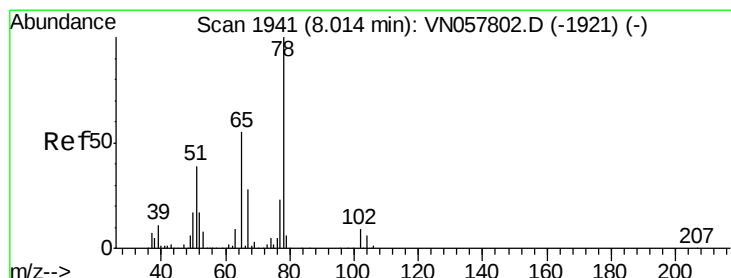
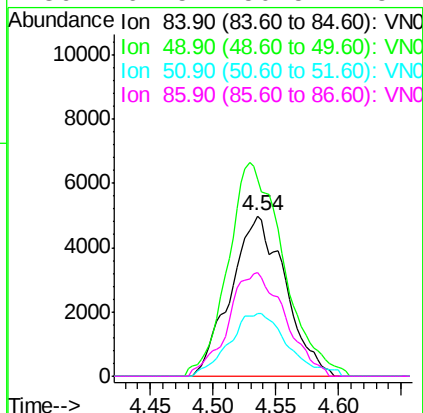
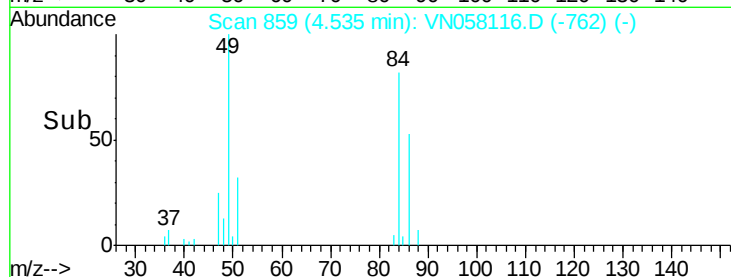
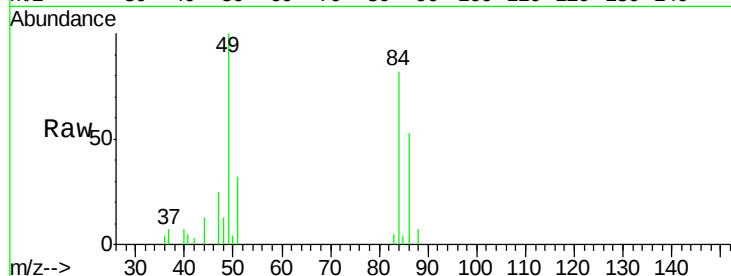




#20
Methvlene Chloride
Concen: 2.712 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058116.D
Acq: 16 Sep 2019 14:16

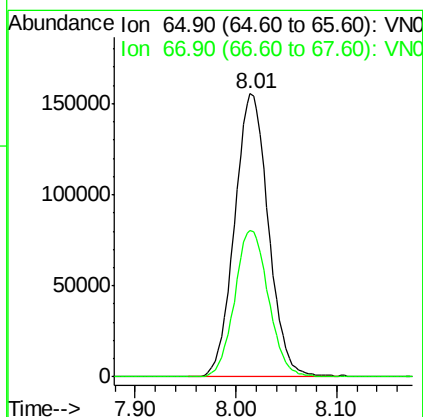
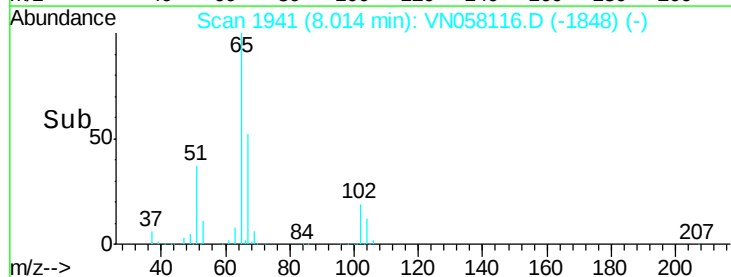
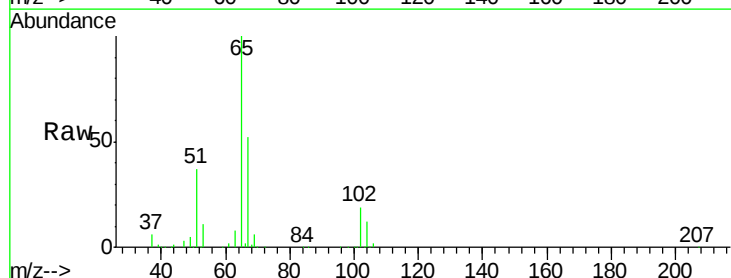
Instrument :
MSVOA_N
ClientSampleId :
T4-2(0)-HELLGATE

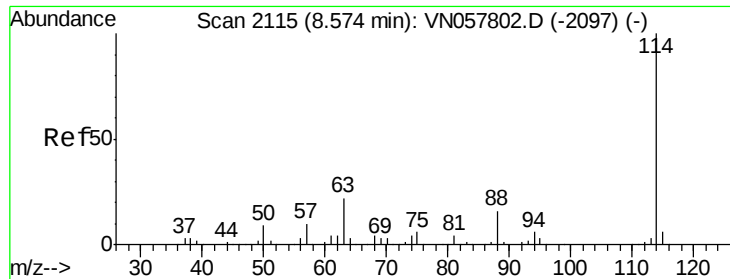
Tot Ion: 84 Resp: 15005
Ion Ratio Lower Upper
84 100
49 117.8 104.8 157.2
51 39.0 33.0 49.4
86 64.5 50.5 75.7



#33
1,2-Dichloroethane-d4
Concen: 58.279 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058116.D
Acq: 16 Sep 2019 14:16

Tgt Ion: 65 Resp: 361481
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

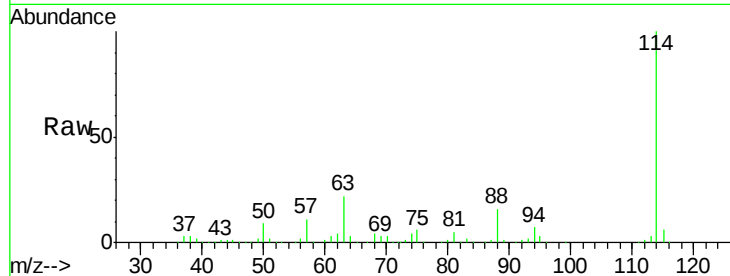




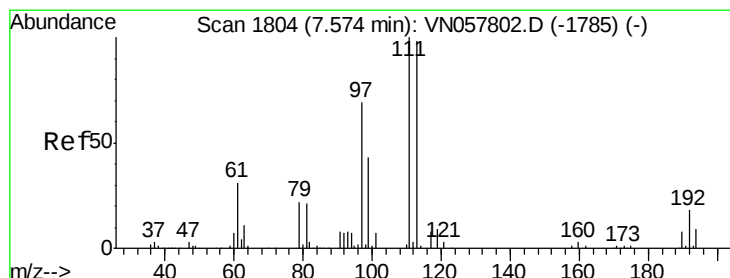
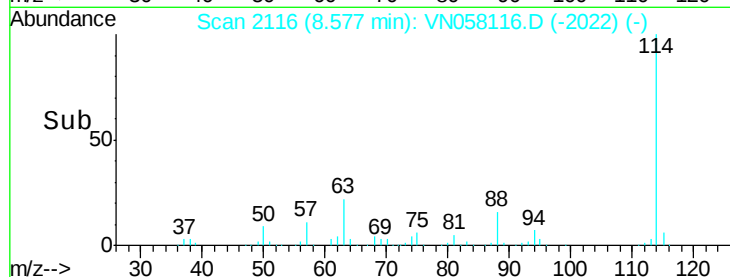
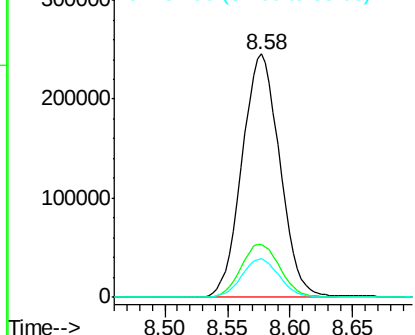
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058116.D
 Acq: 16 Sep 2019 14:16

Instrument :
 MSVOA_N
 ClientSampleId :
 T4-2(0)-HELLGATE

Tot Ion:114 Resp: 515754
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.0
 88 15.7 0.0 31.4

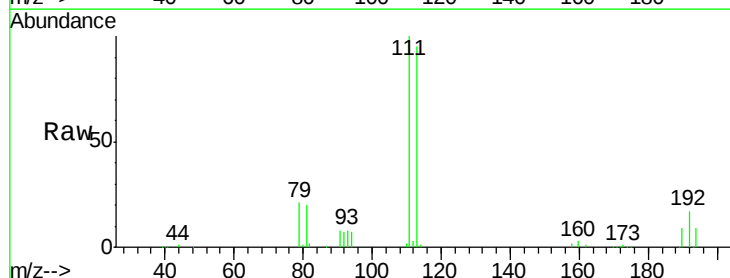


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

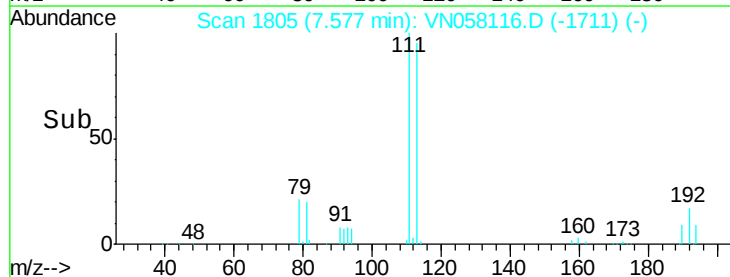
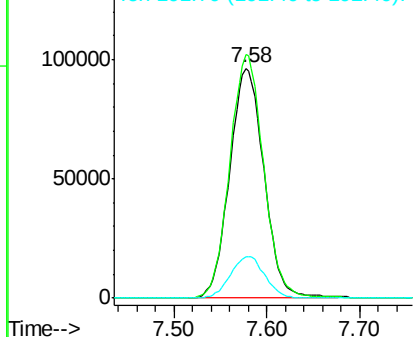


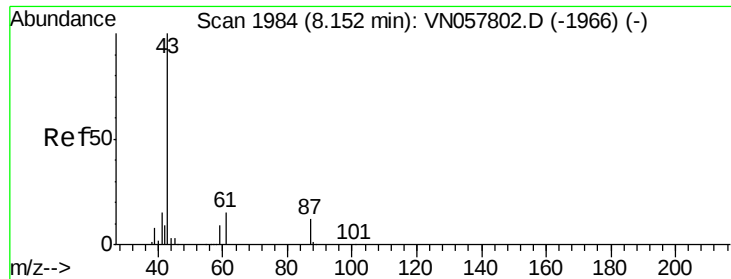
#35
 Dibromofluoromethane
 Concen: 52.007 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058116.D
 Acq: 16 Sep 2019 14:16

Tgt Ion:113 Resp: 247562
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.3 121.9
 192 18.2 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





#43

Isopropyl Acetate

Concen: 12.662 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058116.D

Acq: 16 Sep 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

T4-2(0)-HELLGATE

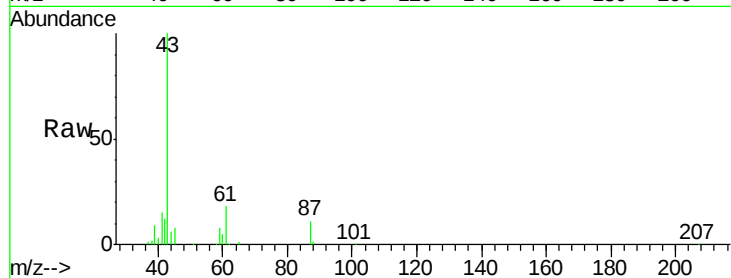
Tot Ion: 43 Resp: 131587

Ion Ratio Lower Upper

43 100

61 15.9 20.1 30.1#

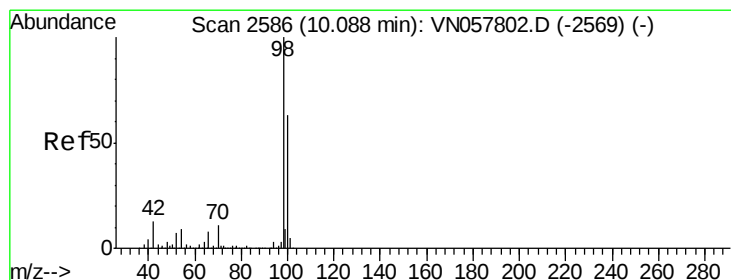
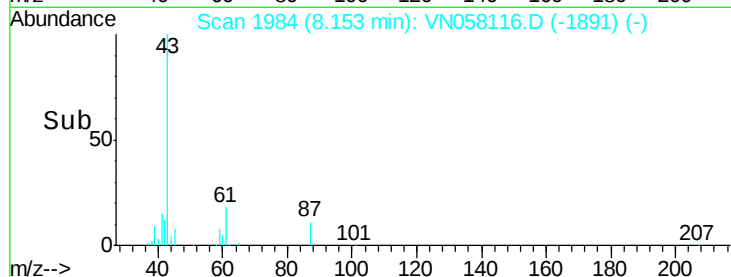
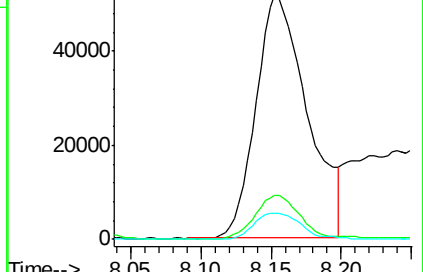
87 9.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#50

Toluene-d8

Concen: 53.399 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058116.D

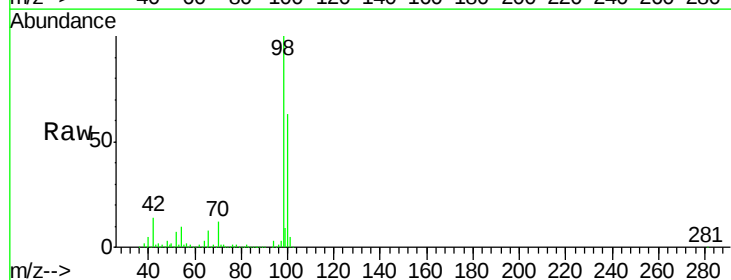
Acq: 16 Sep 2019 14:16

Tgt Ion: 98 Resp: 986900

Ion Ratio Lower Upper

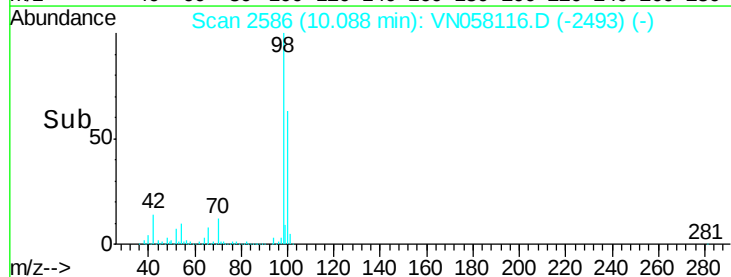
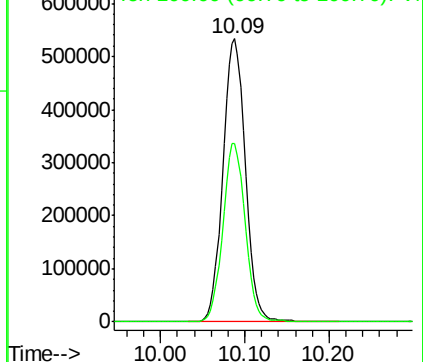
98 100

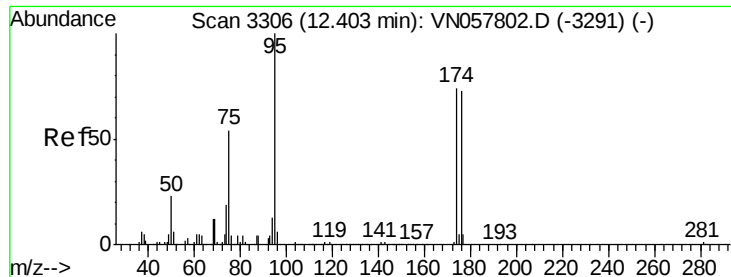
100 62.6 50.3 75.5



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

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)





#62

4-Bromofluorobenzene

Concen: 47.519 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058116.D

Acq: 16 Sep 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

T4-2-(0)-HELLGATE

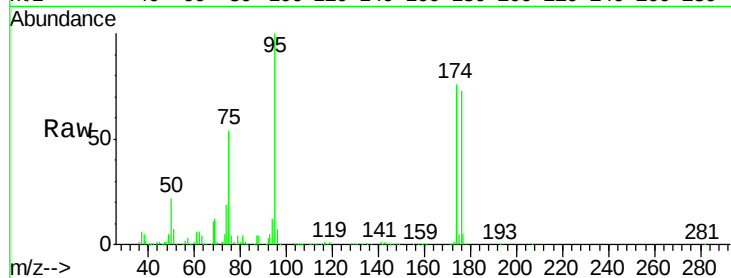
Tot Ion: 95 Resp: 334684

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

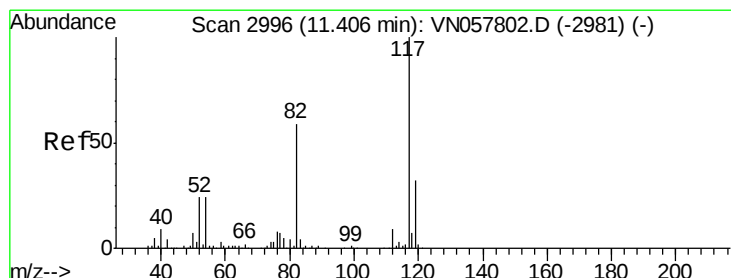
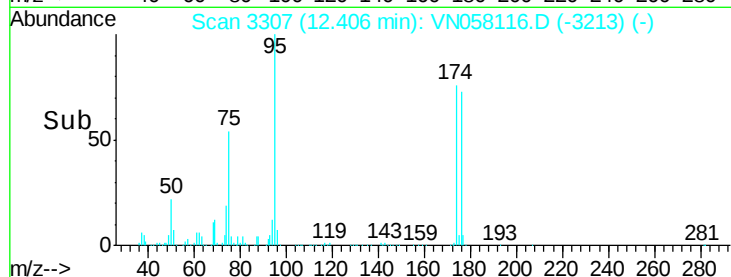
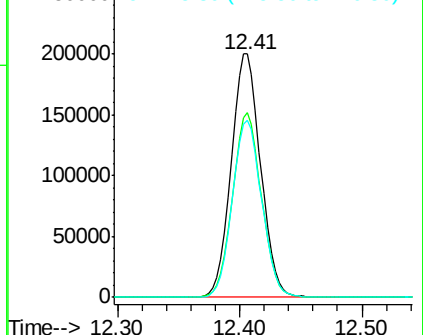
176 72.6 0.0 146.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058116.D

Acq: 16 Sep 2019 14:16

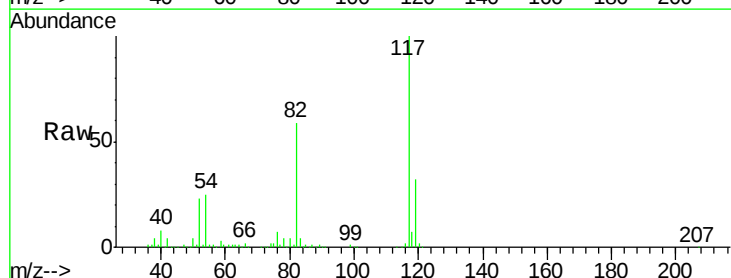
Tgt Ion: 117 Resp: 477113

Ion Ratio Lower Upper

117 100

82 58.7 47.2 70.8

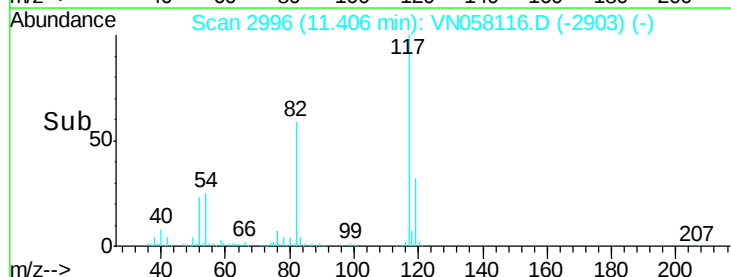
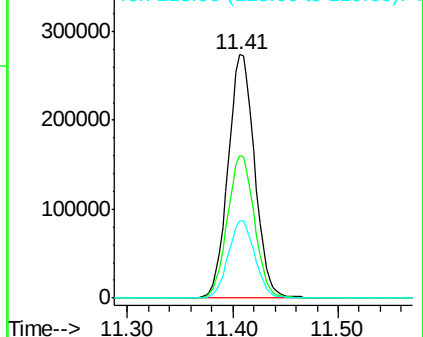
119 31.8 25.3 37.9

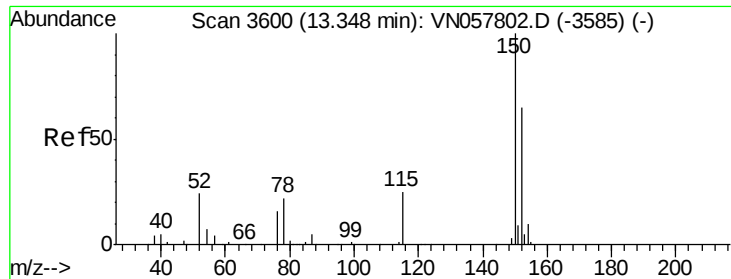


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058116.D

Acq: 16 Sep 2019 14:16

Instrument :

MSVOA_N

ClientSampleId :

T4-2(0)-HELLGATE

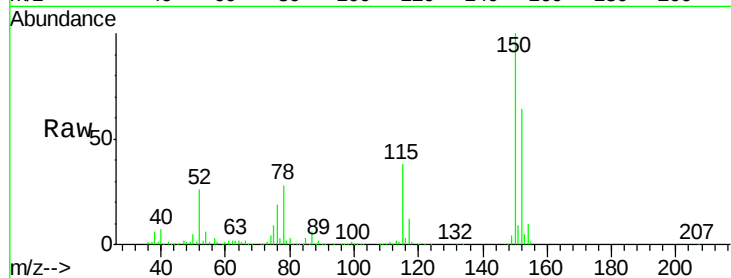
Tot Ion:152 Resp: 250735

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

150 159.3 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

