

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057979.D
 Acq On : 12 Sep 2019 19:21
 Operator : JC/SP
 Sample : K4859-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-GW807-091119

Quant Time: Sep 13 06:28:48 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	256418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	434215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	390023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	299086	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	
35) Dibromofluoromethane	7.58	113	212672	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
50) Toluene-d8	10.09	98	782050	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.41	95	271239	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

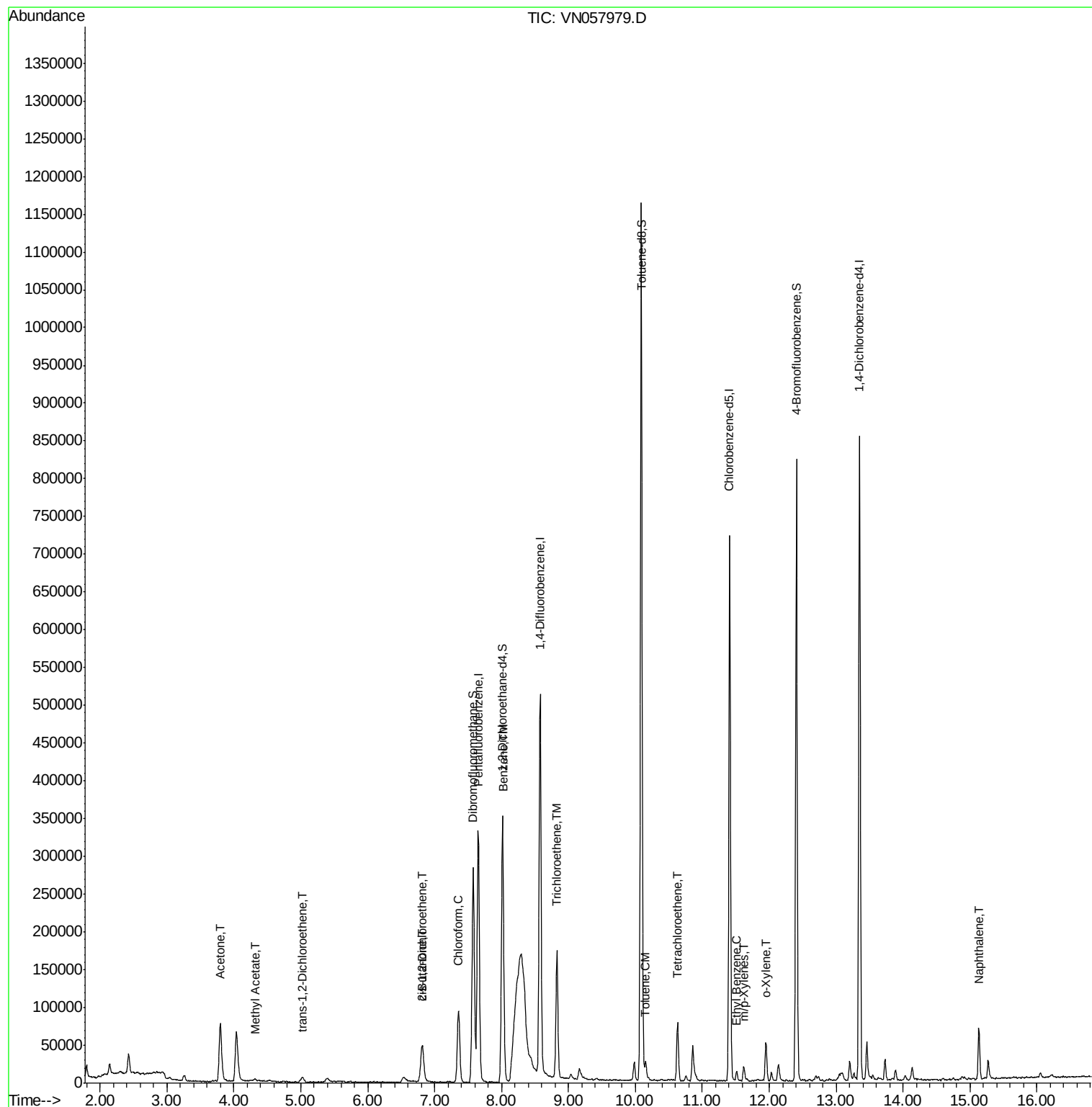
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	133239	78.259	ug/l	100
18) Methyl Acetate	4.32	43	5949	1.311	ug/l #	76
21) trans-1,2-Dichloroethene	5.03	96	4264	1.445	ug/l #	85
25) 2-Butanone	6.82	43	21865	8.873	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	19923	5.037	ug/l	90
30) Chloroform	7.36	83	96502	13.477	ug/l	98
40) Benzene	8.03	78	7499	0.495	ug/l	96
44) Trichloroethene	8.83	130	56155	15.101	ug/l	95
52) Toluene	10.16	92	8818	0.923	ug/l	98
64) Tetrachloroethene	10.63	164	16712	5.803	ug/l	93
67) Ethyl Benzene	11.51	91	8914	0.498	ug/l	98
68) m/p-Xylenes	11.62	106	5845	0.892	ug/l	92
69) o-Xylene	11.95	106	13182	2.024	ug/l	94
95) Naphthalene	15.13	128	52803	2.773	ug/l	99

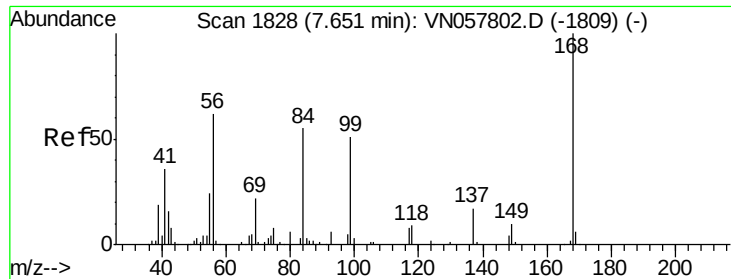
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

Instrument :

MSVOA_N

ClientSampleId :

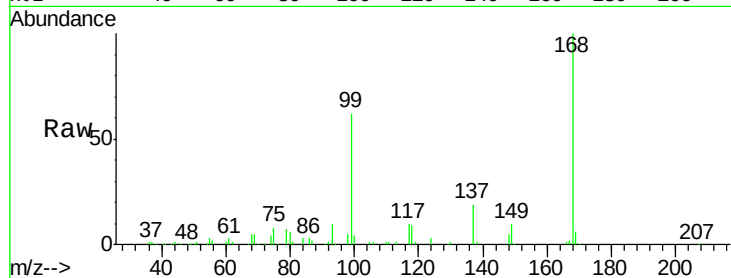
IDW-GW807-091119

Tot Ion:168 Resp: 256418

Ion Ratio Lower Upper

168 100

99 62.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

100000

80000

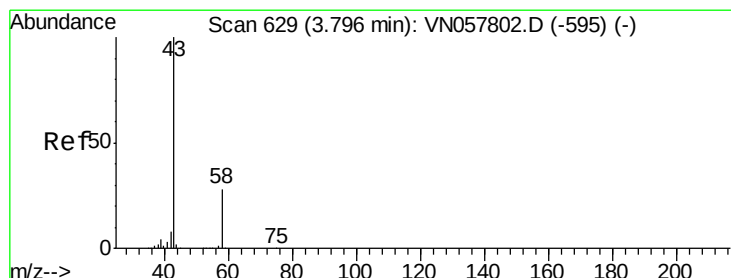
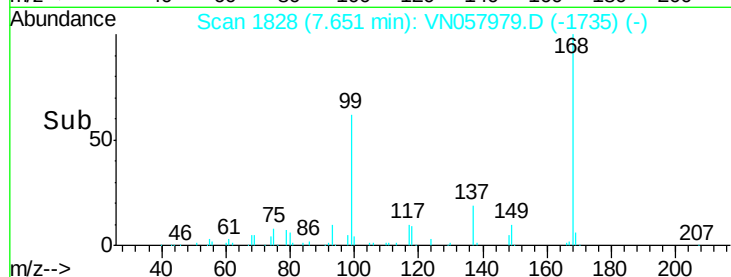
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 78.259 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057979.D

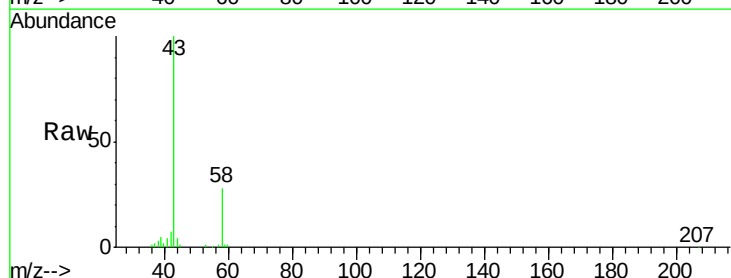
Acq: 12 Sep 2019 19:21

Tgt Ion: 43 Resp: 133239

Ion Ratio Lower Upper

43 100

58 27.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

50000

40000

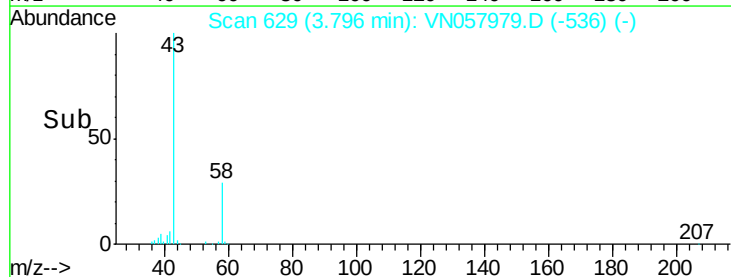
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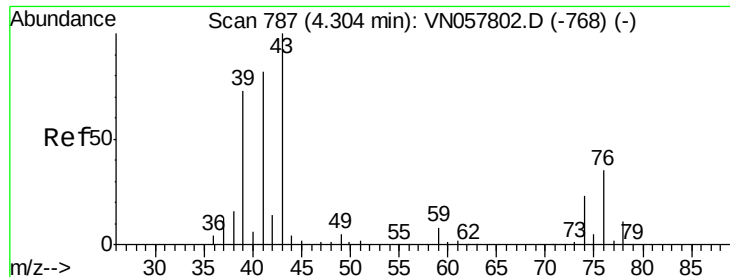
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Time-->

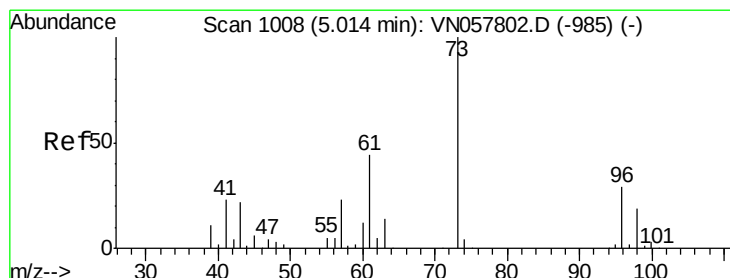
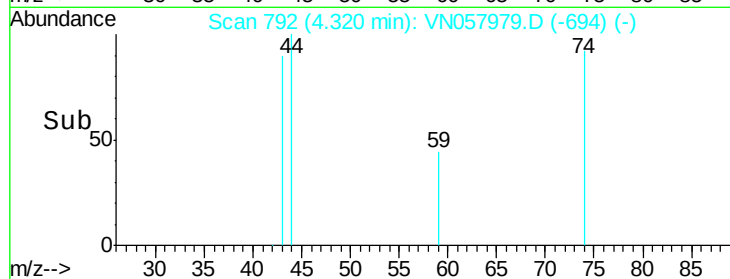
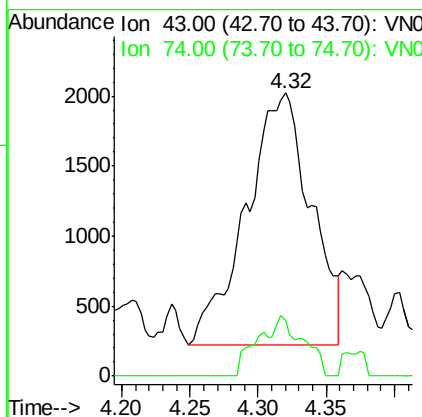
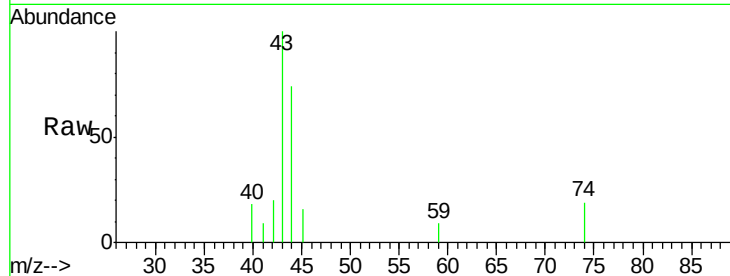




#18
Methyl Acetate
Concen: 1.311 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

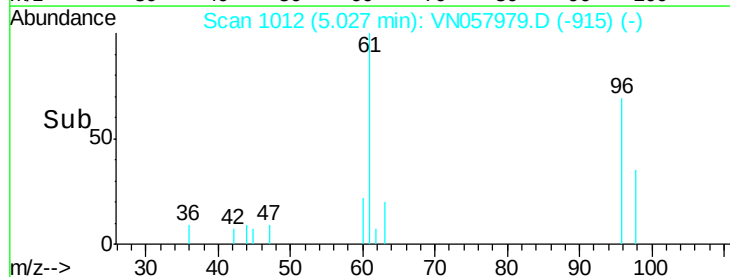
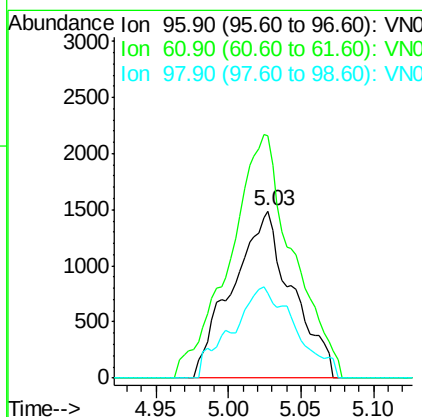
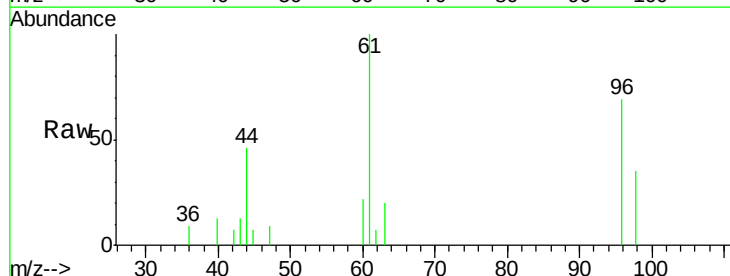
Instrument :
MSVOA_N
ClientSampleId :
IDW-GW807-091119

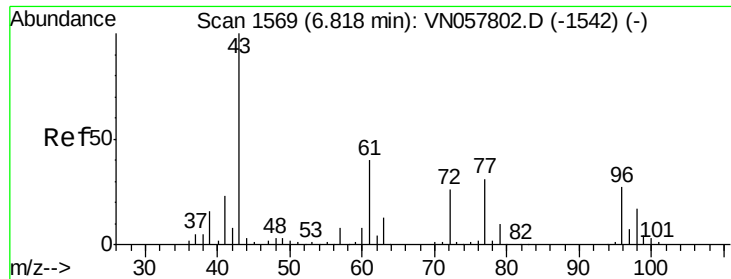
Tot Ion: 43 Resp: 5949
Ion Ratio Lower Upper
43 100
74 10.9 17.9 26.9#



#21
trans-1,2-Dichloroethene
Concen: 1.445 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Tgt Ion: 96 Resp: 4264
Ion Ratio Lower Upper
96 100
61 134.6 121.9 182.9
98 50.6 52.2 78.4#

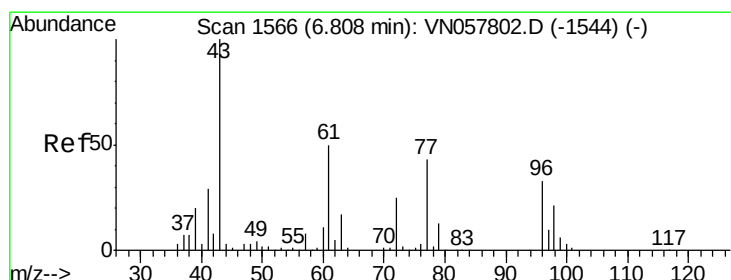
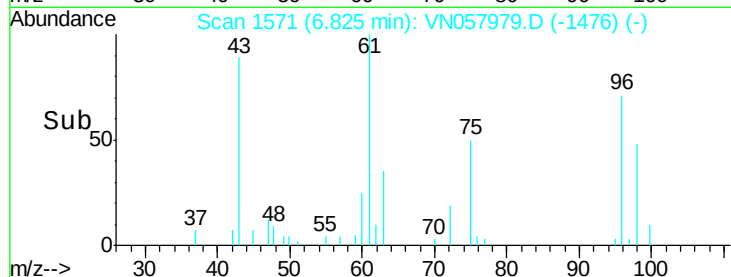
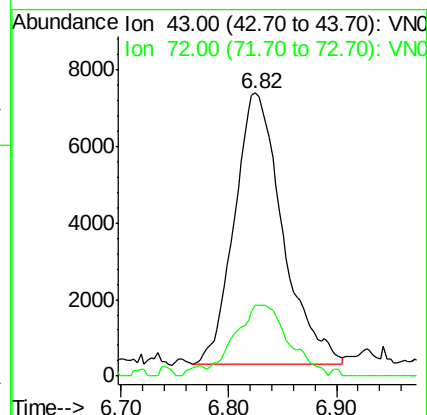
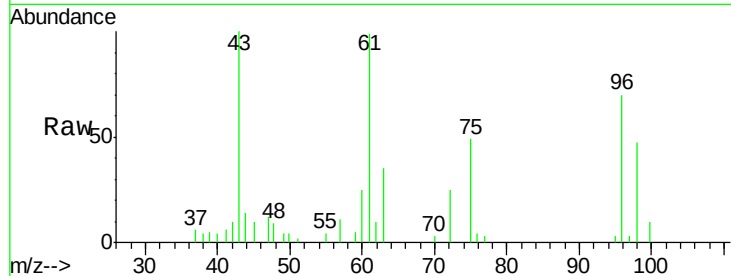




#25
2-Butanone
Concen: 8.873 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

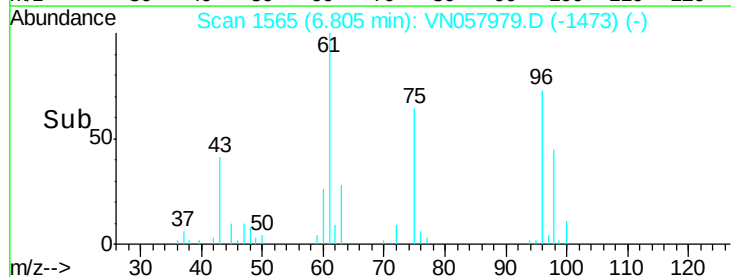
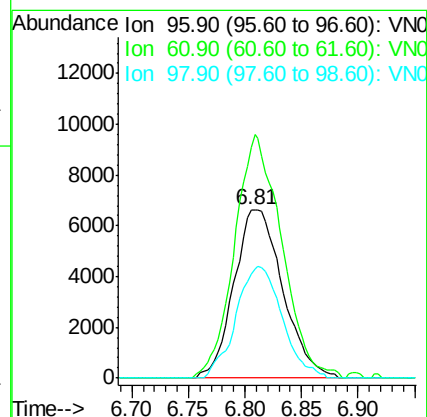
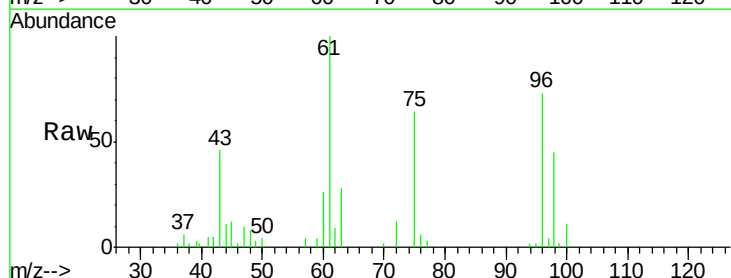
Instrument :
MSVOA_N
ClientSampleId :
IDW-GW807-091119

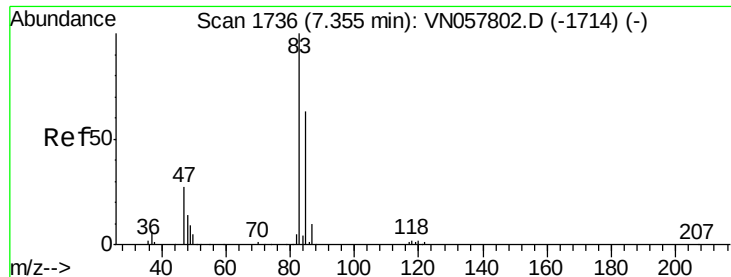
Tot Ion: 43 Resp: 21865
Ion Ratio Lower Upper
43 100
72 26.3 20.6 30.8



#27
cis-1,2-Dichloroethene
Concen: 5.037 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Tgt Ion: 96 Resp: 19923
Ion Ratio Lower Upper
96 100
61 139.6 0.0 314.0
98 62.5 0.0 128.6

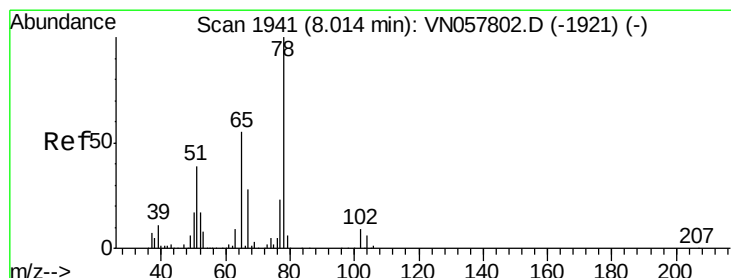
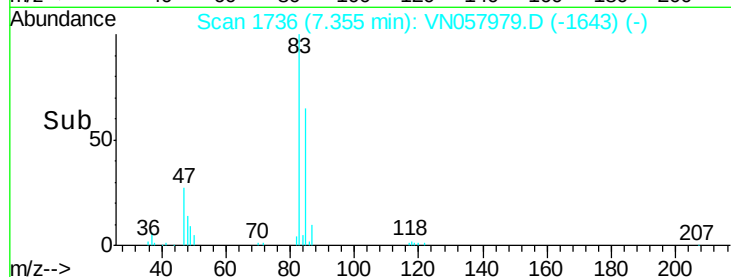
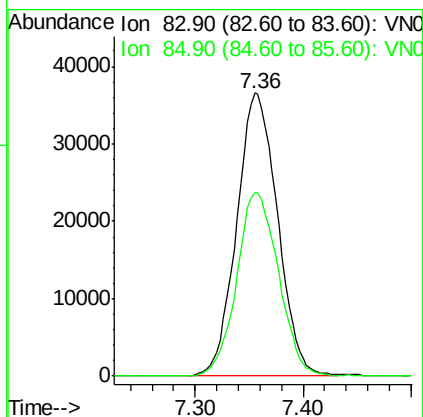
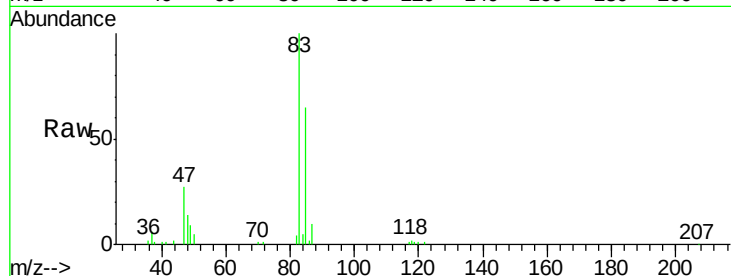




#30
Chloroform
Concen: 13.477 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

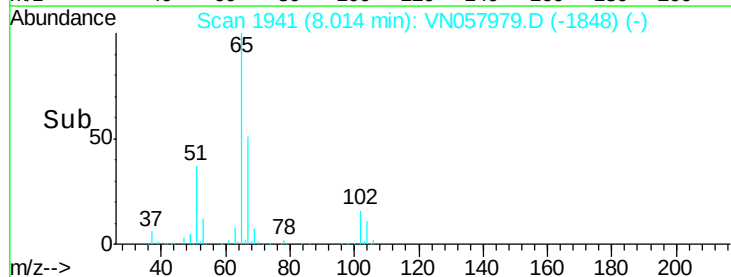
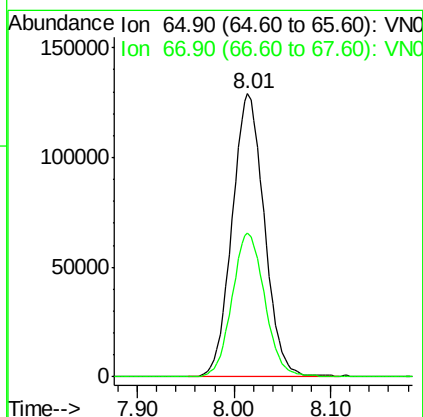
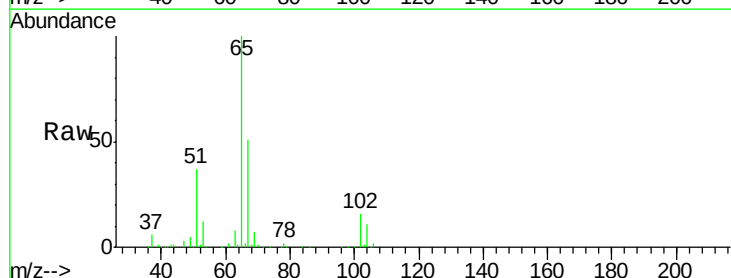
Instrument :
MSVOA_N
ClientSampleId :
IDW-GW807-091119

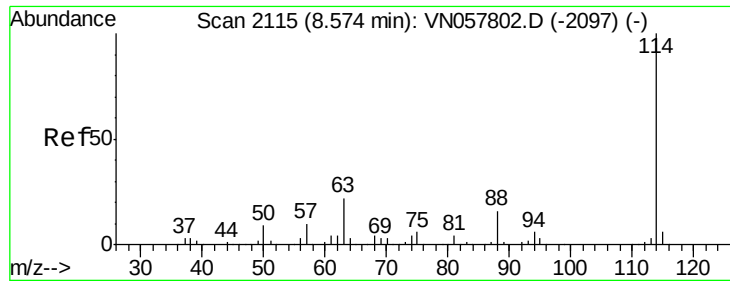
Tot Ion: 83 Resp: 96502
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8



#33
1,2-Dichloroethane-d4
Concen: 57.588 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Tgt Ion: 65 Resp: 299086
Ion Ratio Lower Upper
65 100
67 51.5 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: VN057979.D

Acq: 12 Sep 2019 19:21

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW807-091119

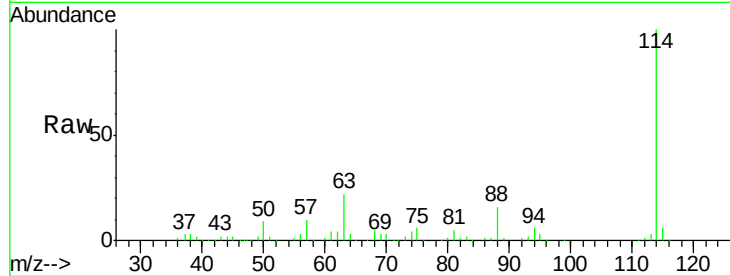
Tot Ion:114 Resp: 434215

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

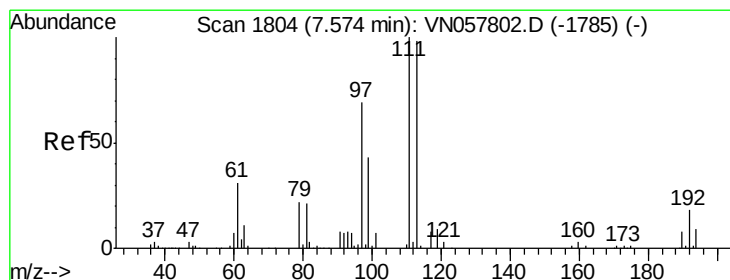
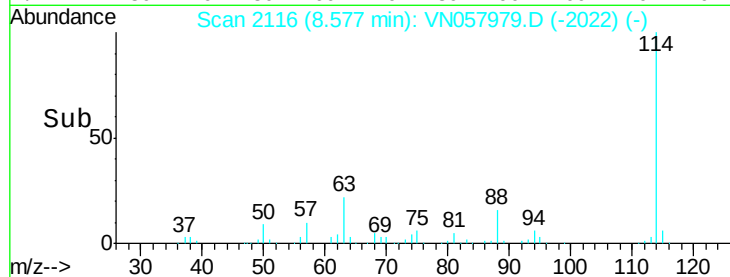
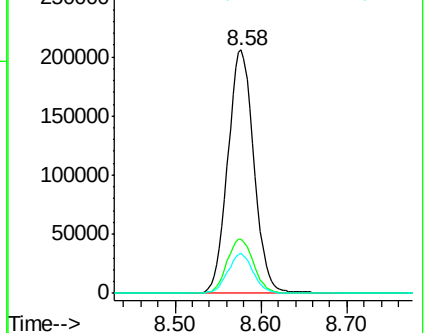
88 16.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.067 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

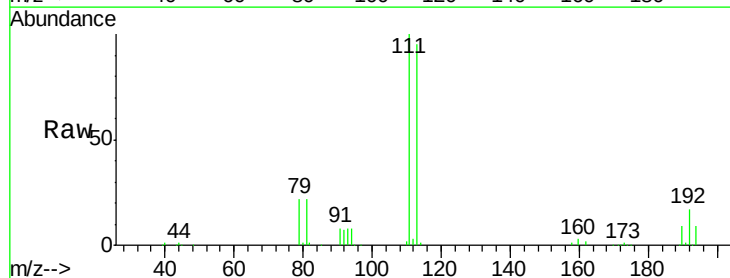
Tgt Ion:113 Resp: 212672

Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

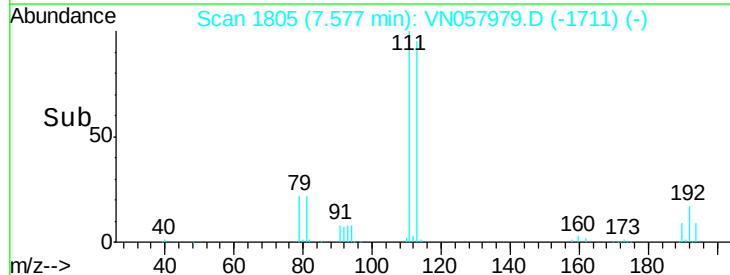
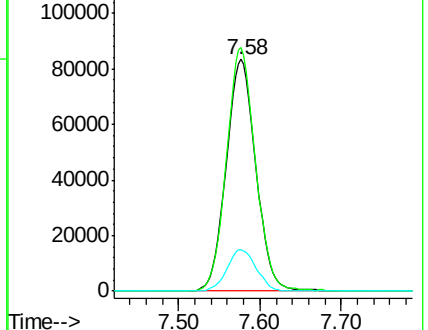
192 17.7 14.6 22.0

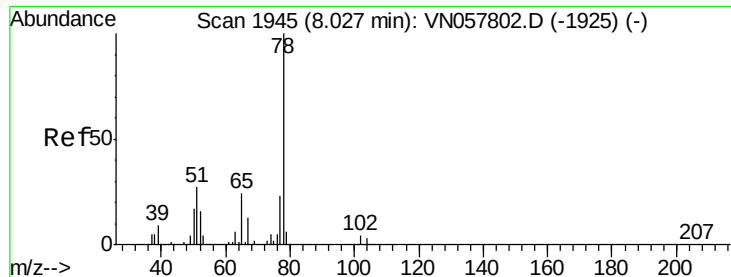


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.495 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

Instrument :

MSVOA_N

ClientSampleId :

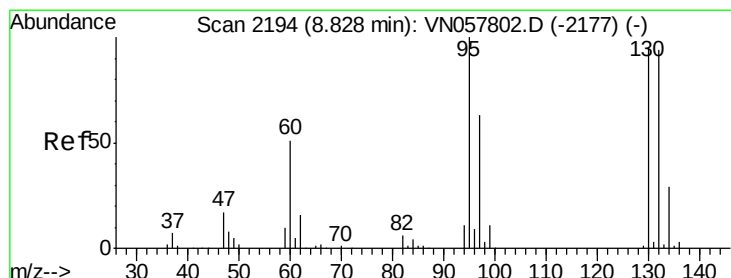
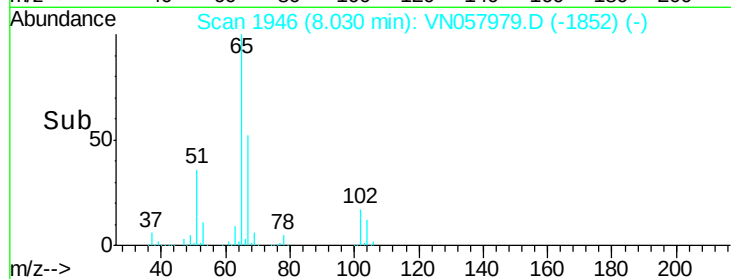
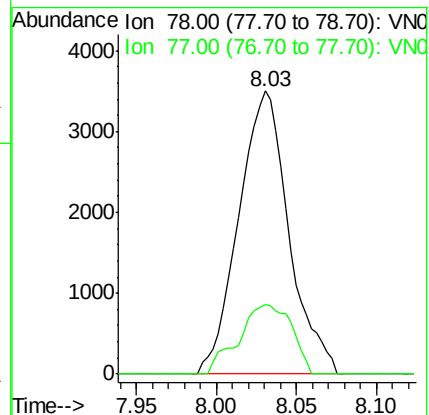
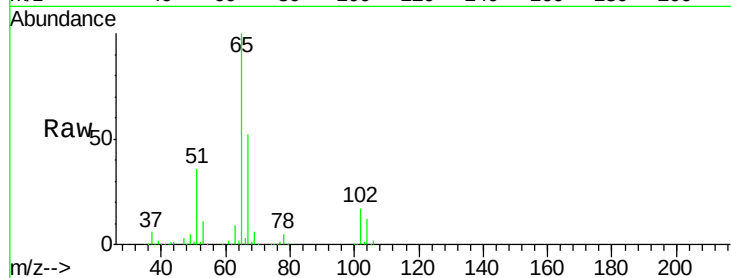
IDW-GW807-091119

Tot Ion: 78 Resp: 7499

Ion Ratio Lower Upper

78 100

77 24.7 18.3 27.5



#44

Trichloroethene

Concen: 15.101 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057979.D

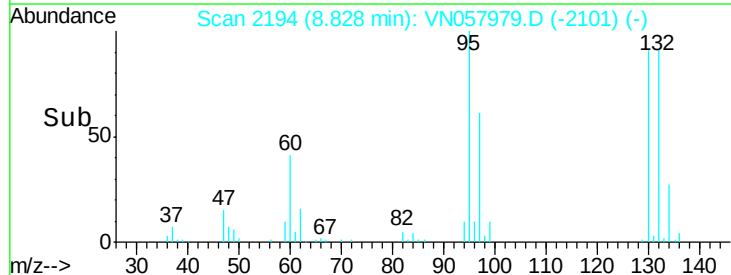
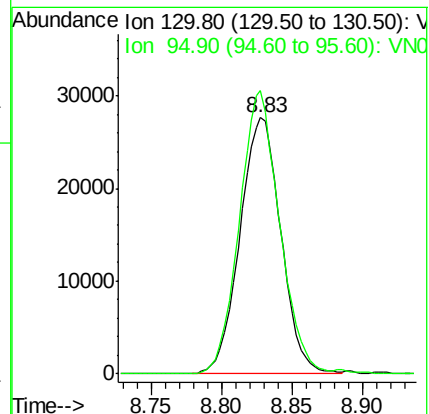
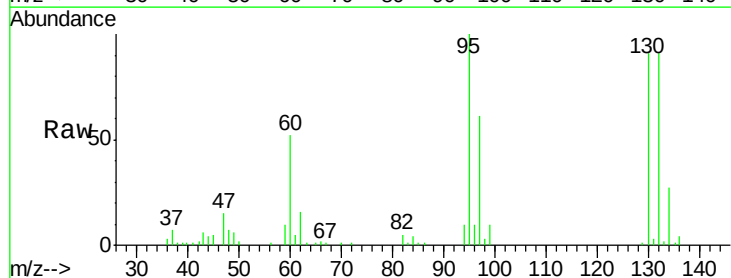
Acq: 12 Sep 2019 19:21

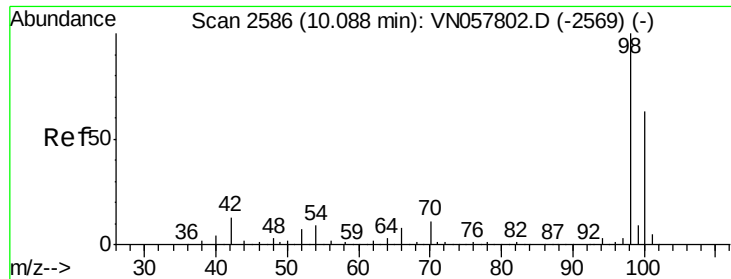
Tgt Ion:130 Resp: 56155

Ion Ratio Lower Upper

130 100

95 110.4 0.0 211.4

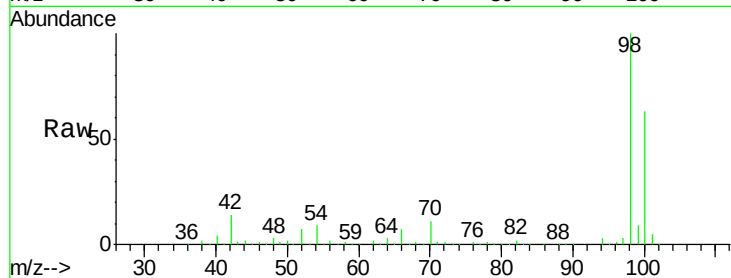




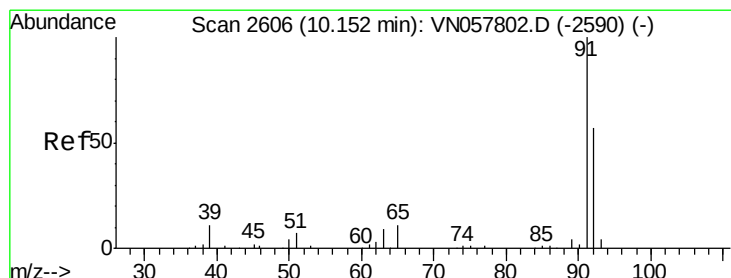
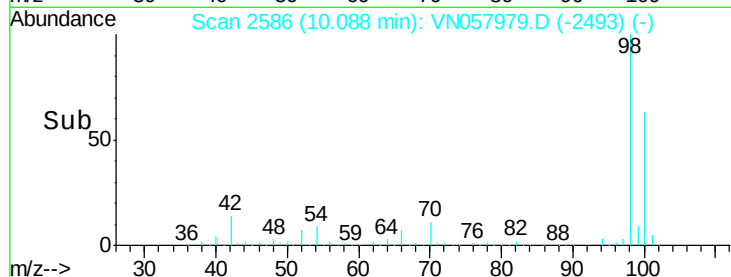
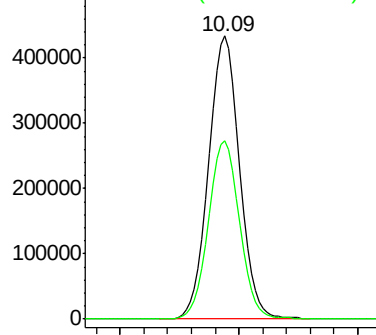
#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW807-091119

Tot Ion: 98 Resp: 782050
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5

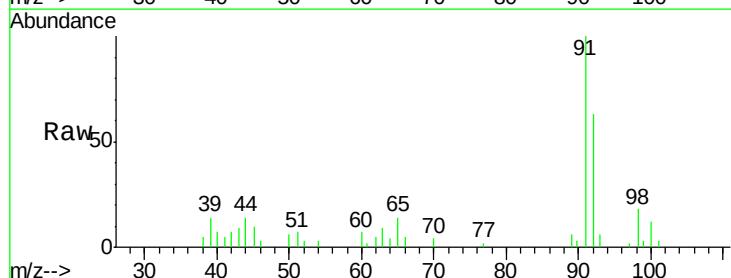


Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)
Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

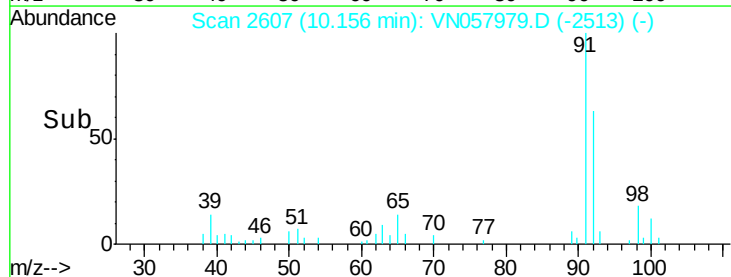
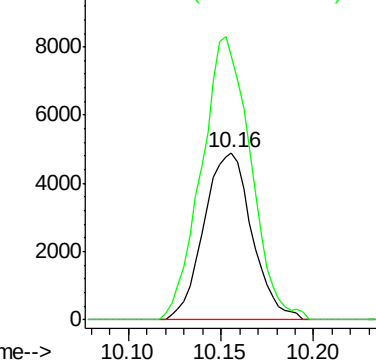


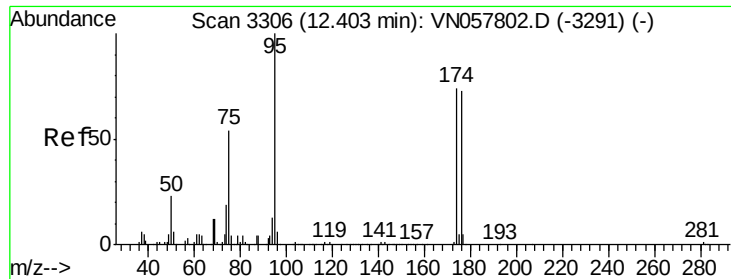
#52
Toluene
Concen: 0.923 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Tgt Ion: 92 Resp: 8818
Ion Ratio Lower Upper
92 100
91 173.6 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)
Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)





#62

4-Bromofluorobenzene

Concen: 45.743 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW807-091119

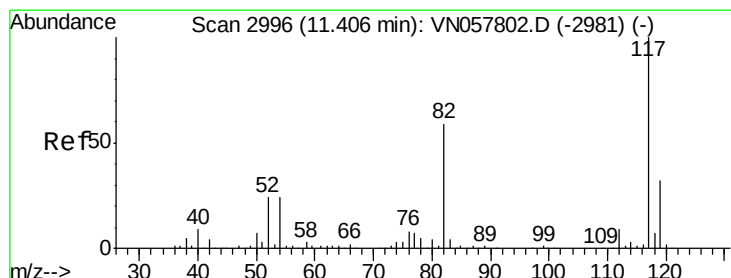
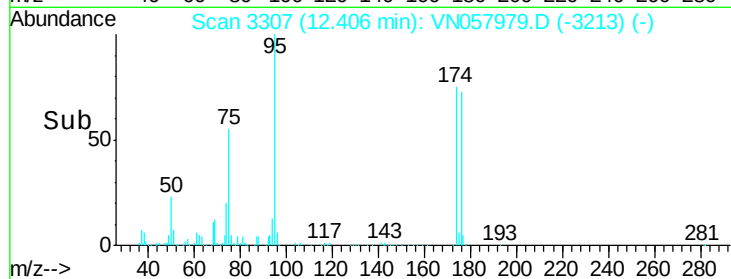
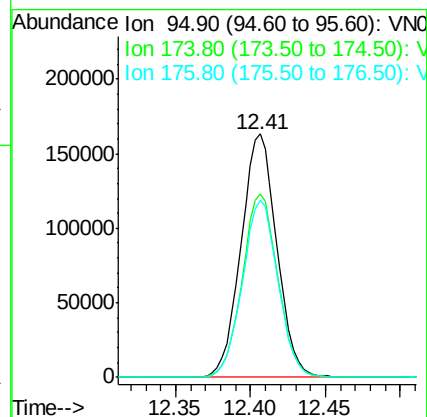
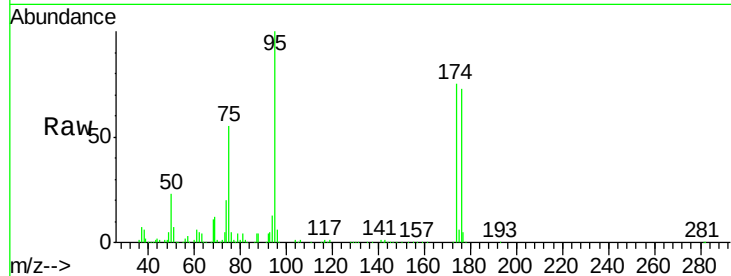
Tot Ion: 95 Resp: 271239

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 72.4 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

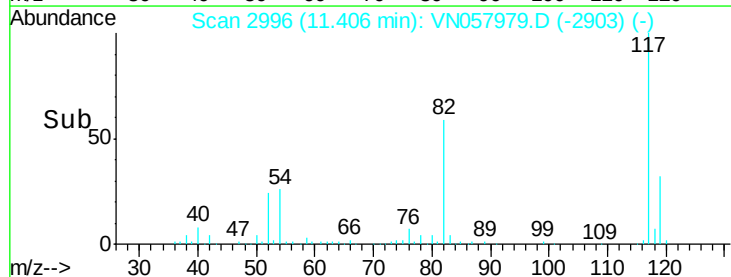
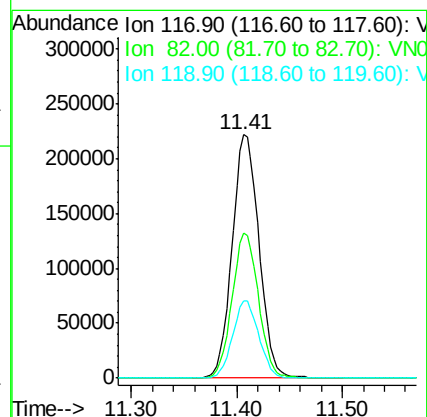
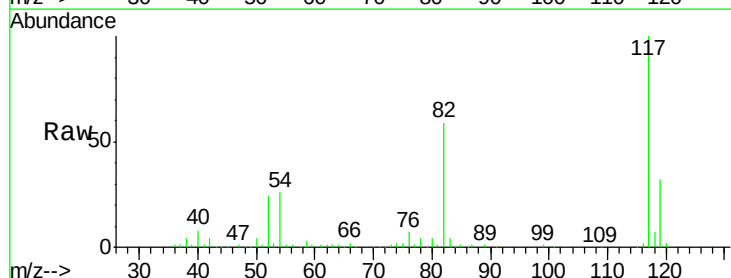
Tgt Ion: 117 Resp: 390023

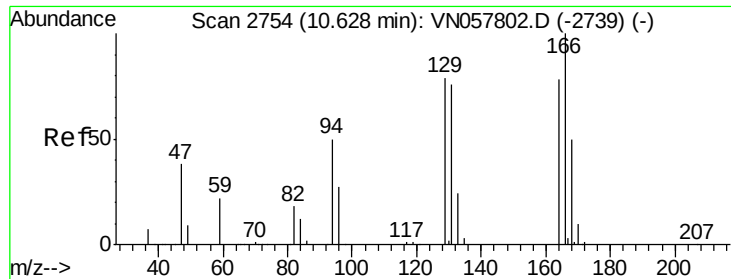
Ion Ratio Lower Upper

117 100

82 59.4 47.2 70.8

119 31.8 25.3 37.9





#64

Tetrachloroethene

Concen: 5.803 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW807-091119

Tot Ion:164 Resp: 16712

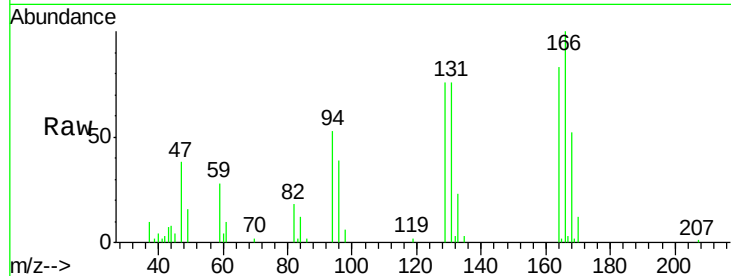
Ion Ratio Lower Upper

164 100

166 121.1 102.2 153.2

129 92.2 80.8 121.2

131 91.5 77.4 116.2

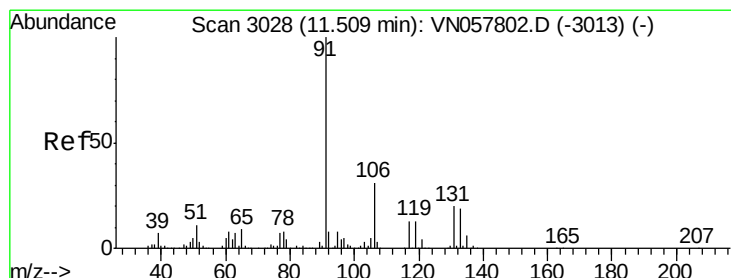
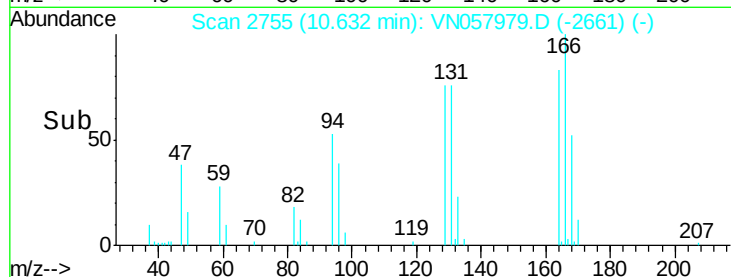
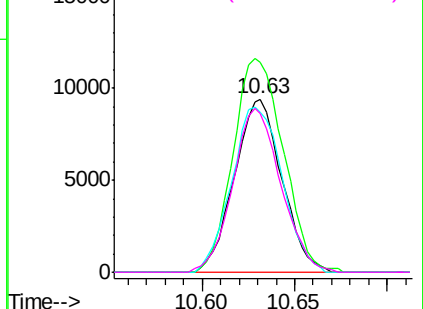


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 0.498 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057979.D

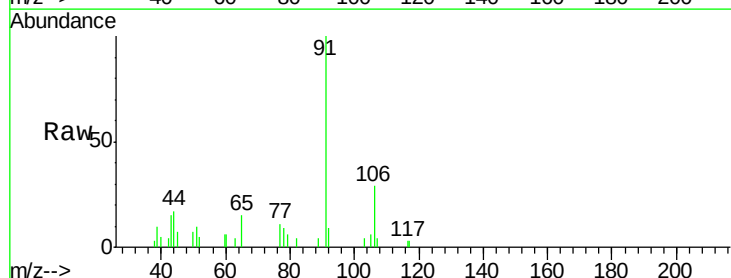
Acq: 12 Sep 2019 19:21

Tgt Ion: 91 Resp: 8914

Ion Ratio Lower Upper

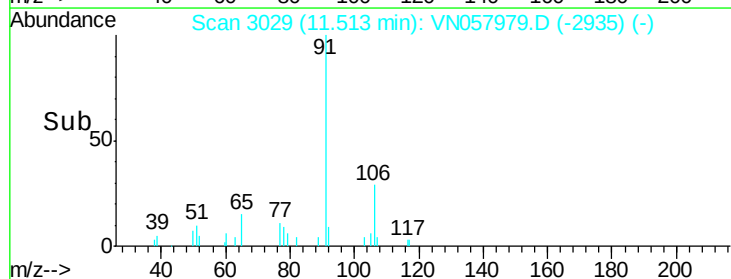
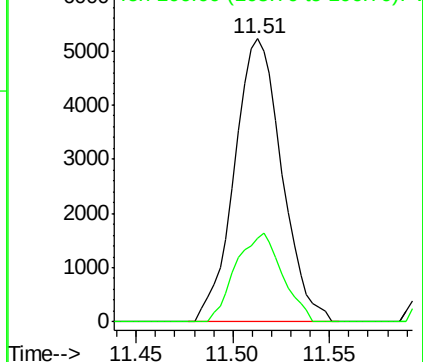
91 100

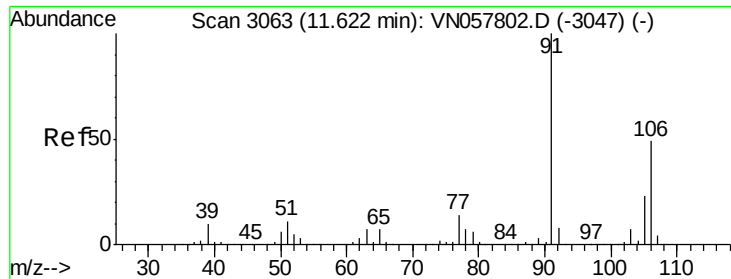
106 29.4 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

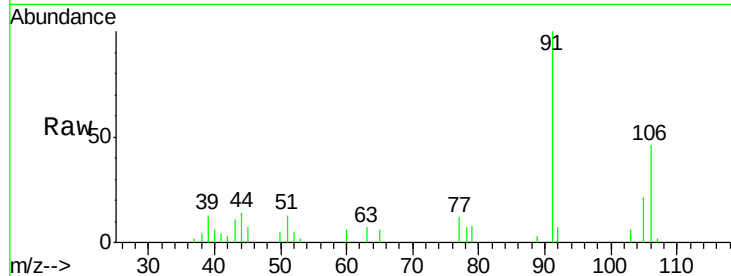




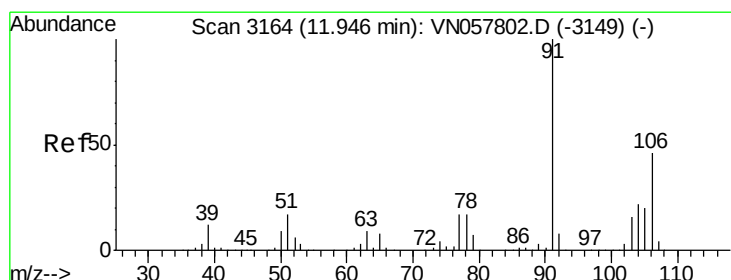
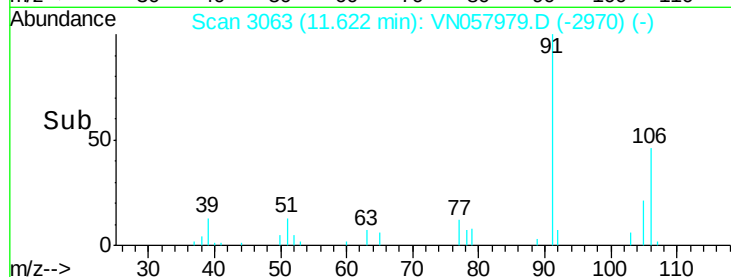
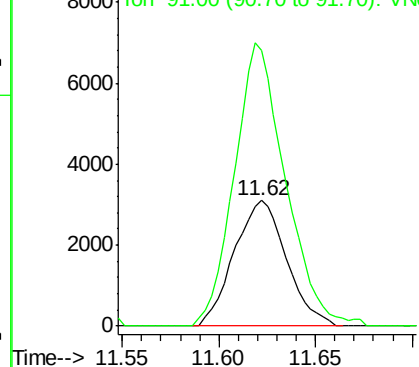
#68
m/p-Xylenes
Concen: 0.892 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Instrument :
MSVOA_N
ClientSampleId :
IDW-GW807-091119

Tot Ion:106 Resp: 5845
Ion Ratio Lower Upper
106 100
91 219.6 165.8 248.6

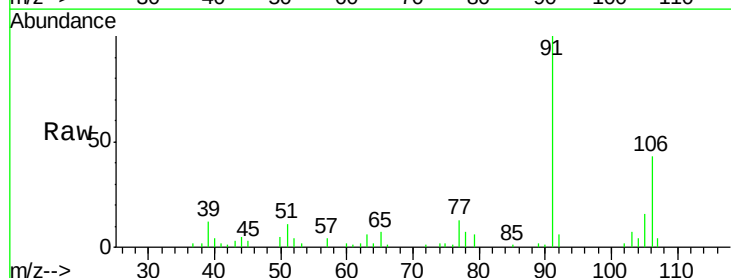


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

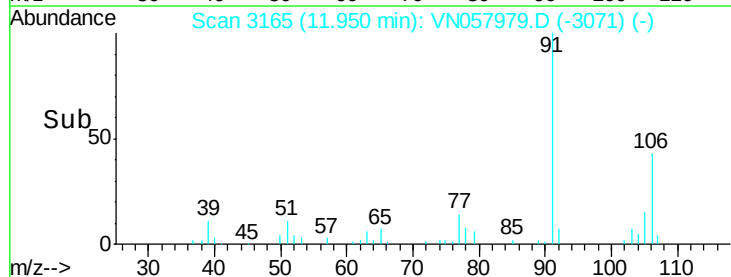
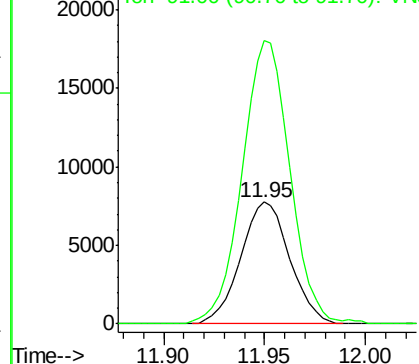


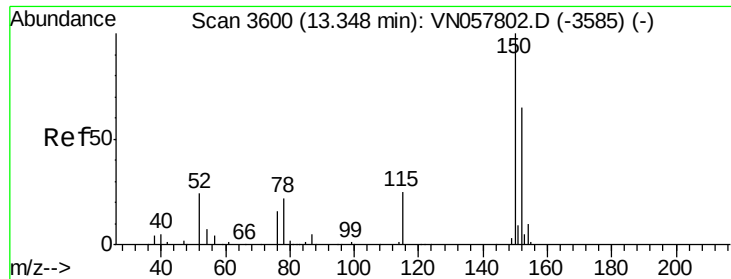
#69
o-Xylene
Concen: 2.024 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057979.D
Acq: 12 Sep 2019 19:21

Tgt Ion:106 Resp: 13182
Ion Ratio Lower Upper
106 100
91 226.8 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

Instrument :

MSVOA_N

ClientSampleId :

IDW-GW807-091119

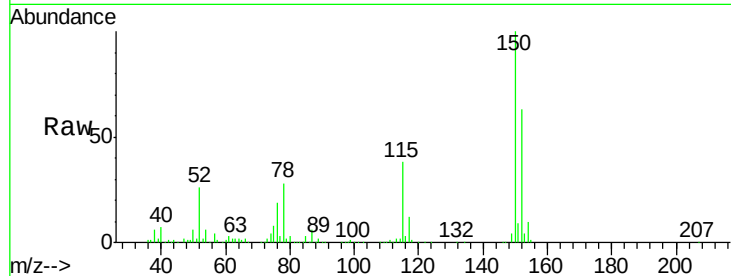
Tot Ion:152 Resp: 211864

Ion Ratio Lower Upper

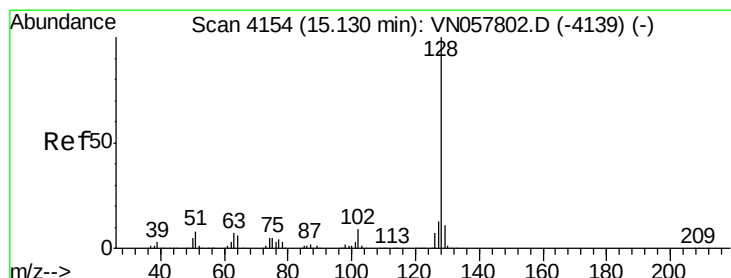
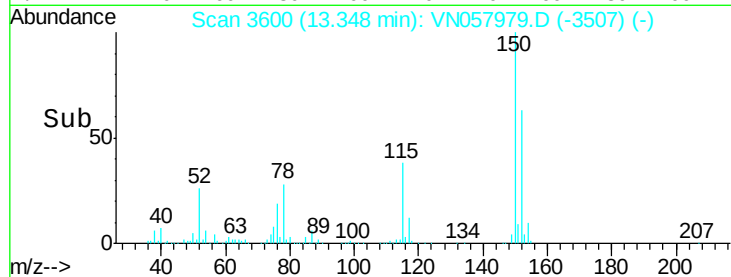
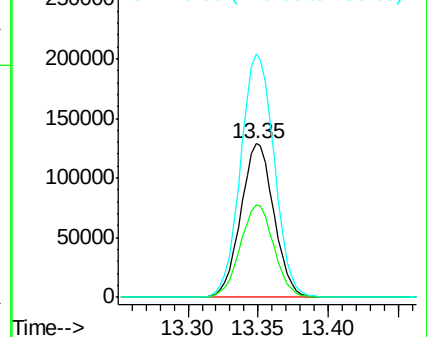
152 100

115 61.2 30.3 91.0

150 160.5 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



#95

Naphthalene

Concen: 2.773 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057979.D

Acq: 12 Sep 2019 19:21

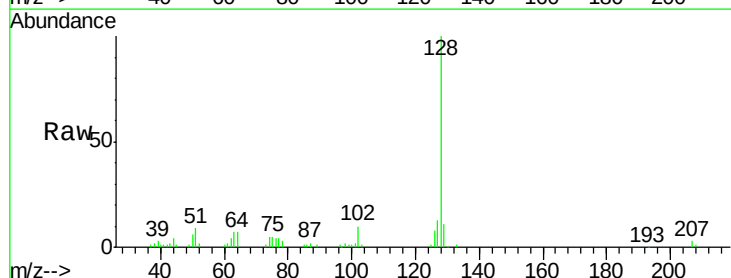
Tgt Ion:128 Resp: 52803

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 8.6 12.8



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

