

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064792.D
 Acq On : 23 Nov 2020 18:47
 Operator : JC/MD
 Sample : L4829-19 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Nov 24 04:39:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	163198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	294204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	98740	52.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	104.08%		
35) Dibromofluoromethane	7.55	113	86513	49.14	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.28%		
50) Toluene-d8	10.06	98	362238	50.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.72%		
62) 4-Bromofluorobenzene	12.38	95	149463	58.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	116.12%		

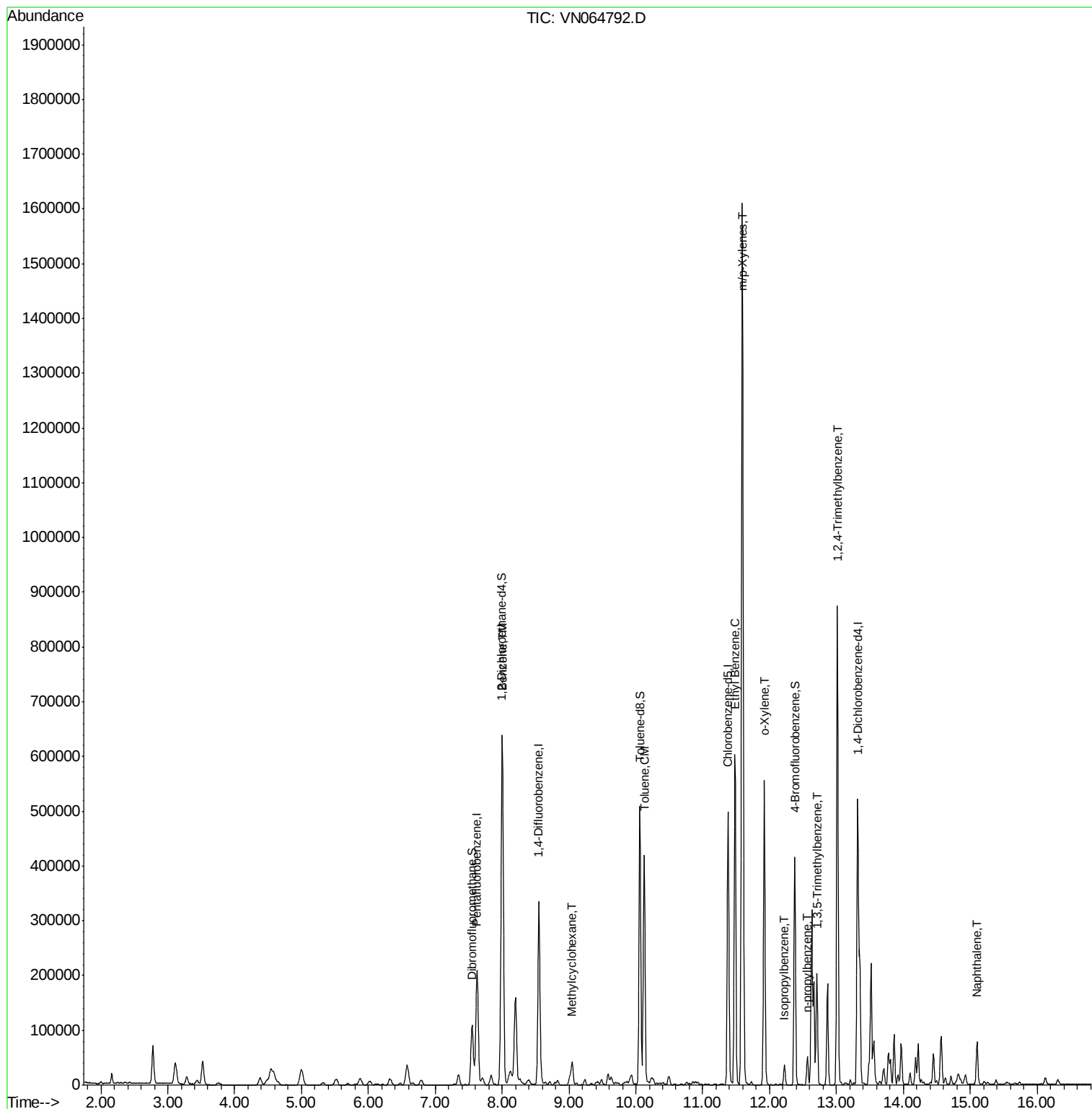
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.05	83	17224	5.867	ug/l	99
40) Benzene	8.00	78	632641	75.707	ug/l	99
52) Toluene	10.13	92	189476	36.819	ug/l	99
67) Ethyl Benzene	11.49	91	444686	41.856	ug/l	100
68) m/p-Xylenes	11.59	106	553804	137.681	ug/l	98
69) o-Xylene	11.92	106	157657	41.304	ug/l	100
73) Isopropylbenzene	12.23	105	24169	2.391	ug/l	99
78) n-propylbenzene	12.57	91	41403	3.596	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	112578	13.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	502128	59.118	ug/l	99
95) Naphthalene	15.10	128	69798	7.923	ug/l	100

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

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064792.D

Acq: 23 Nov 2020 18:47

Instrument :

MSVOA_N

ClientSampleId :

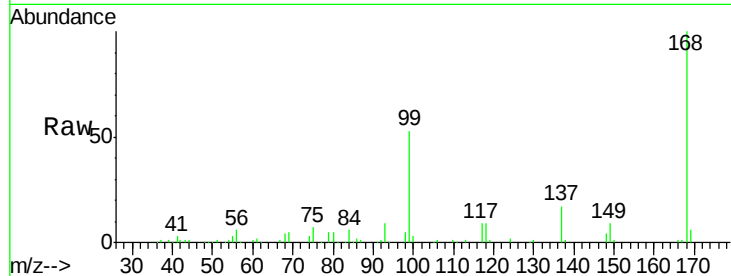
MW-6

Tot Ion:168 Resp: 163198

Ion Ratio Lower Upper

168 100

99 52.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

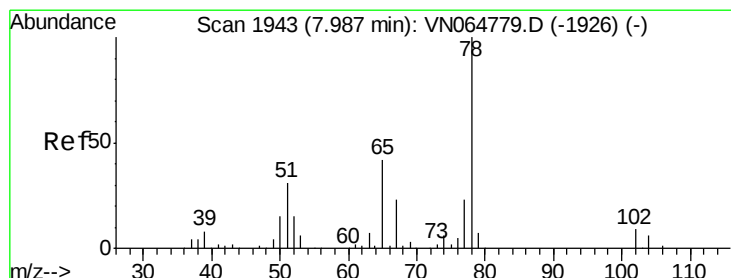
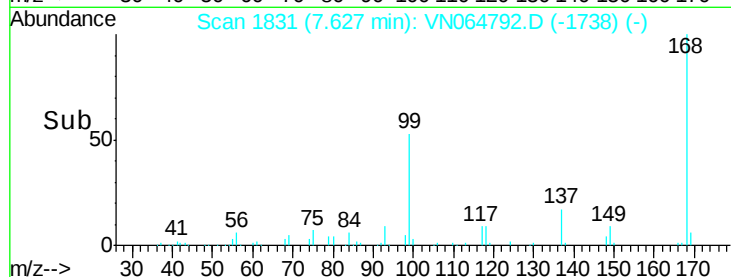
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 52.043 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064792.D

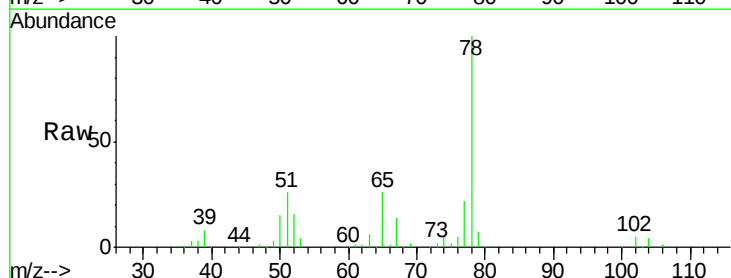
Acq: 23 Nov 2020 18:47

Tgt Ion: 65 Resp: 98740

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

7.99

40000

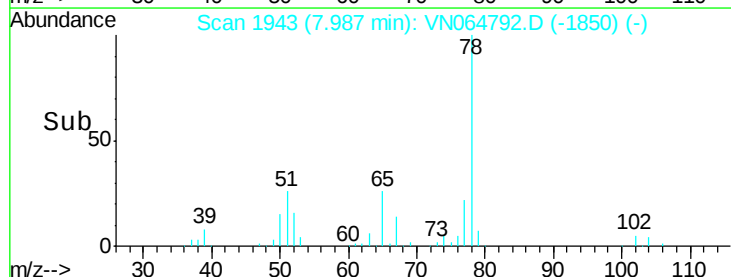
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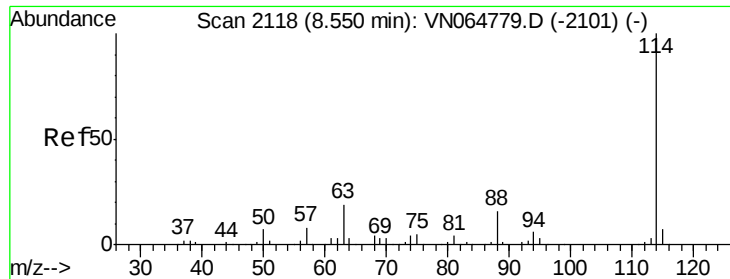
20000

10000

0

Time--> 7.90 7.95 8.00 8.05 8.10

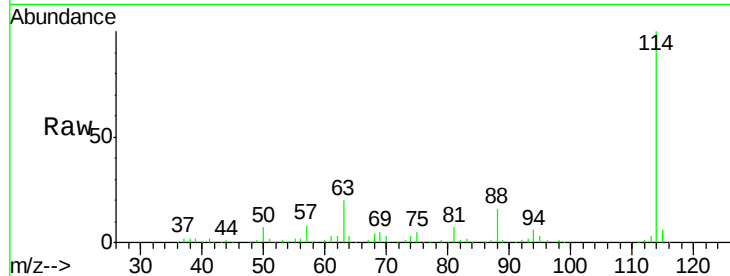




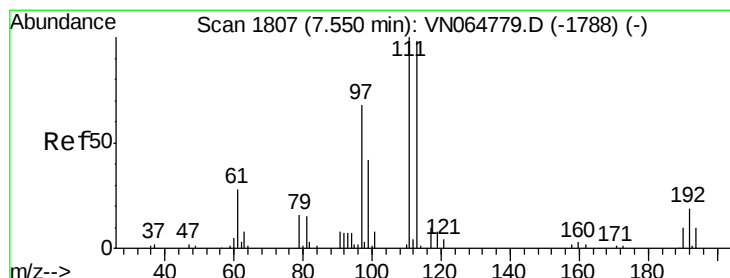
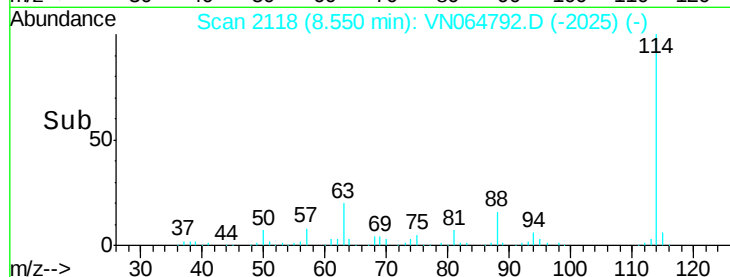
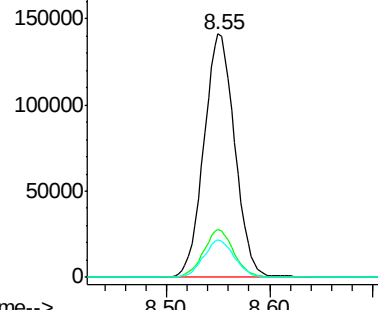
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Tot Ion:114 Resp: 294204
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.6
88 15.5 0.0 32.6

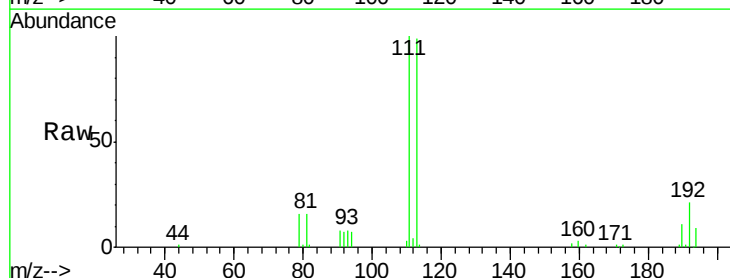


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

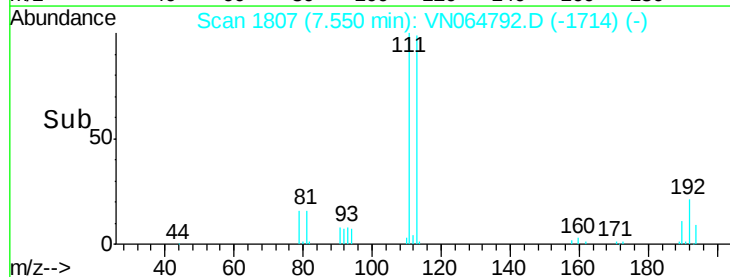
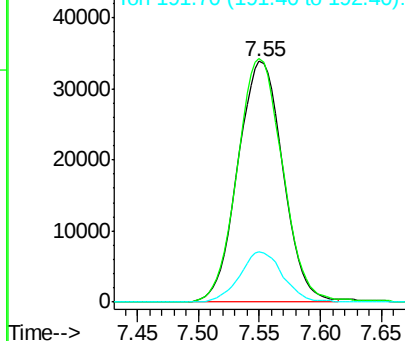


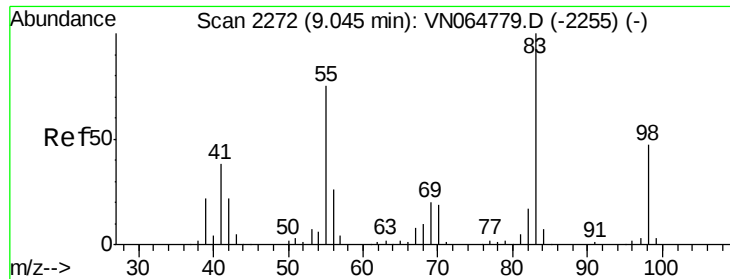
#35
Dibromofluoromethane
Concen: 49.143 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Tgt Ion:113 Resp: 86513
Ion Ratio Lower Upper
113 100
111 101.7 81.6 122.4
192 19.8 16.2 24.2



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

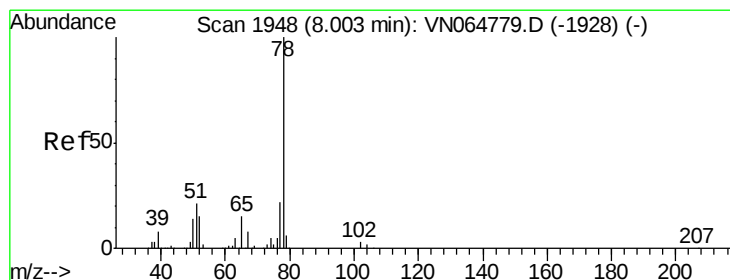
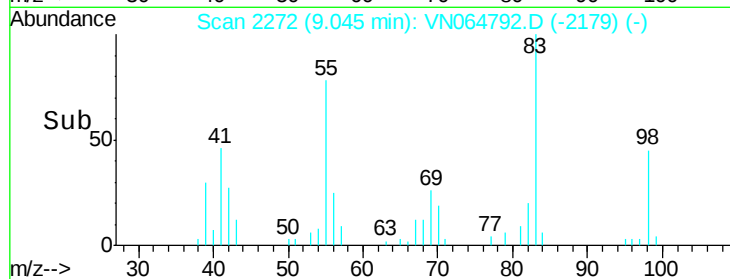
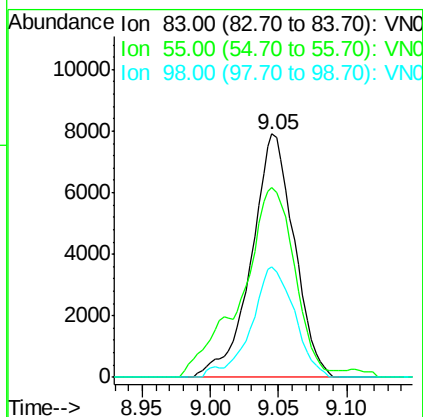
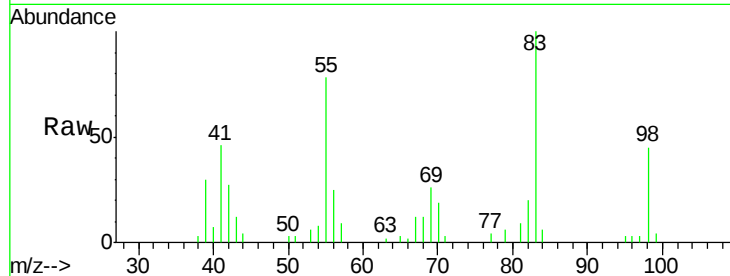




#39
Methvlcvclohexane
Concen: 5.867 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

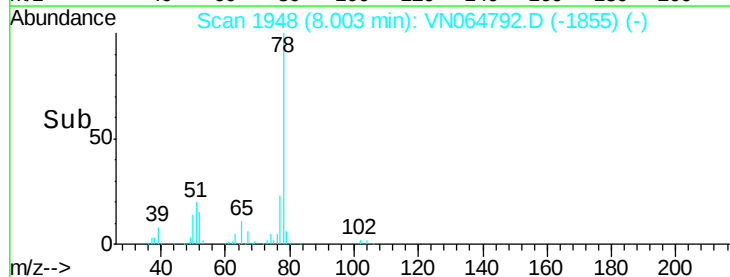
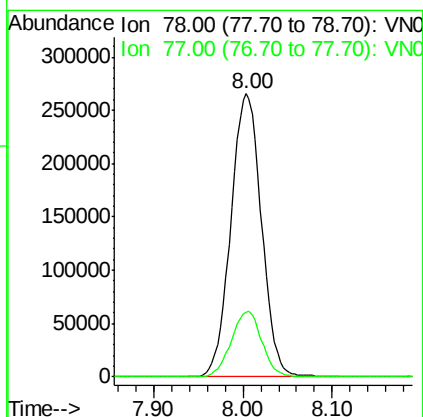
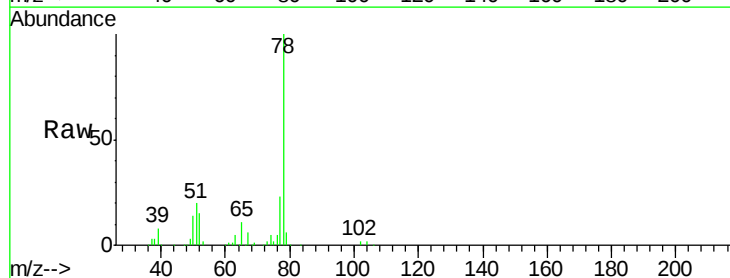
Instrument :
MSVOA_N
ClientSampled :
MW-6

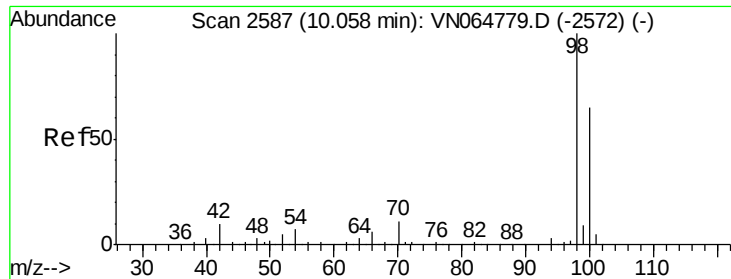
Tot Ion: 83 Resp: 17224
Ion Ratio Lower Upper
83 100
55 75.0 60.2 90.2
98 45.5 37.4 56.2



#40
Benzene
Concen: 75.707 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Tgt Ion: 78 Resp: 632641
Ion Ratio Lower Upper
78 100
77 23.0 17.9 26.9

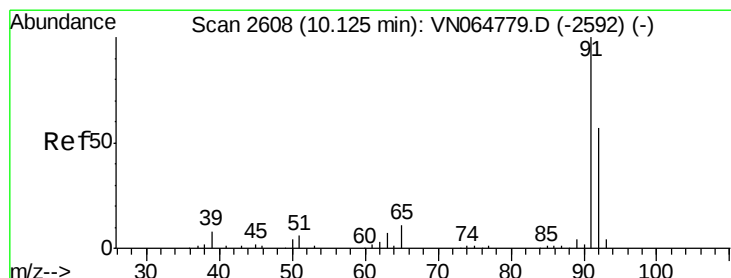
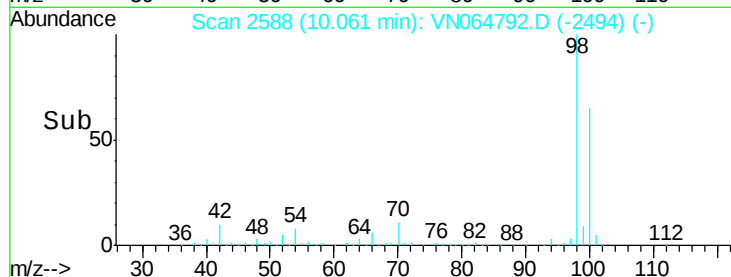
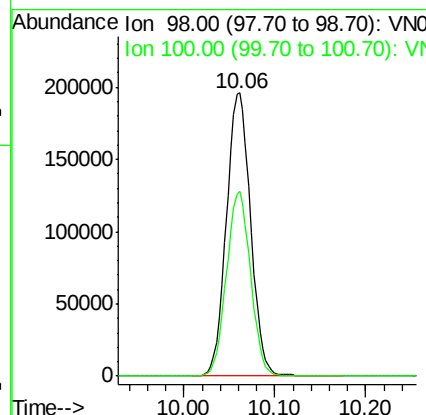
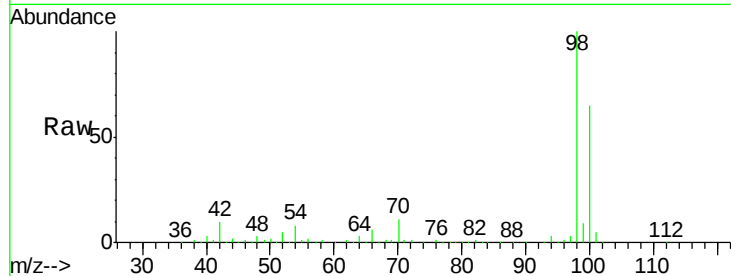




#50
Toluene-d8
Concen: 50.360 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

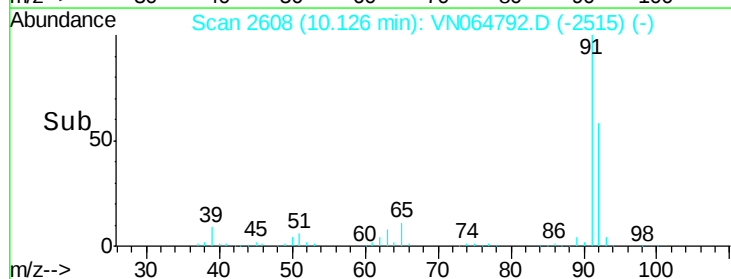
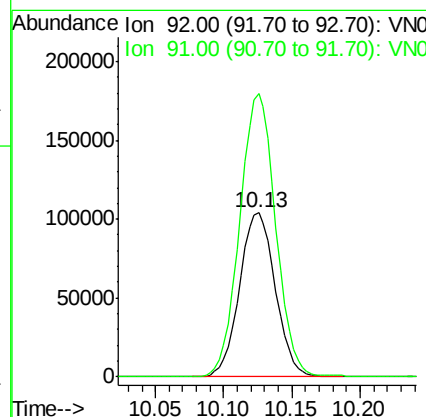
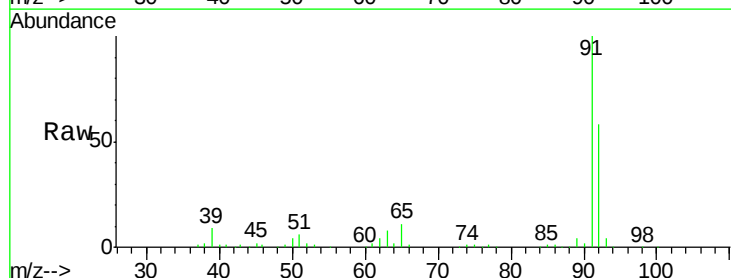
Instrument :
MSVOA_N
ClientSampled :
MW-6

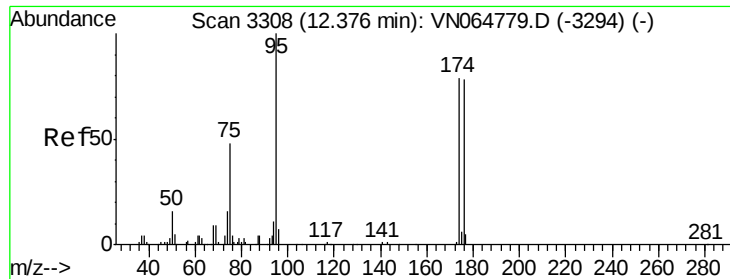
Tot Ion: 98 Resp: 362238
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#52
Toluene
Concen: 36.819 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Tgt Ion: 92 Resp: 189476
Ion Ratio Lower Upper
92 100
91 173.2 139.1 208.7





#62

4-Bromofluorobenzene

Concen: 58.062 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064792.D

Acq: 23 Nov 2020 18:47

Instrument :

MSVOA_N

ClientSampleId :

MW-6

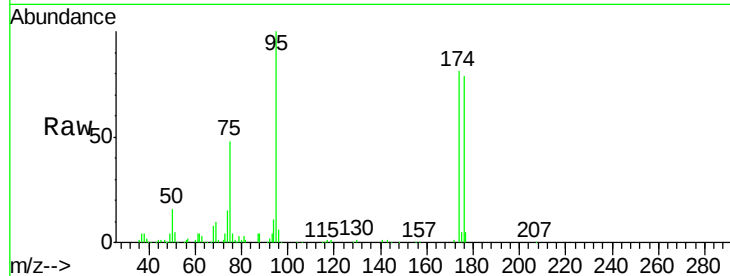
Tot Ion: 95 Resp: 149463

Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.4

176 78.4 0.0 158.4



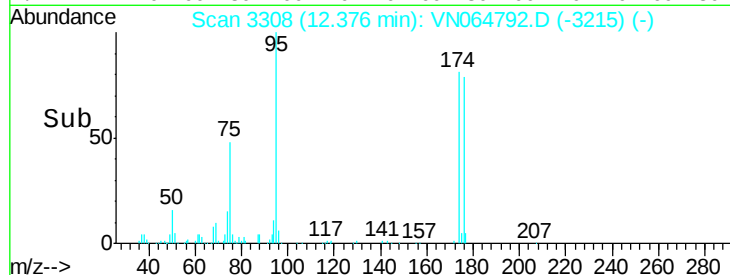
Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

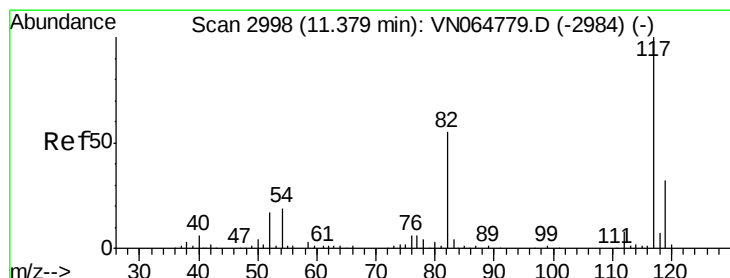
Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.38

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064792.D

Acq: 23 Nov 2020 18:47

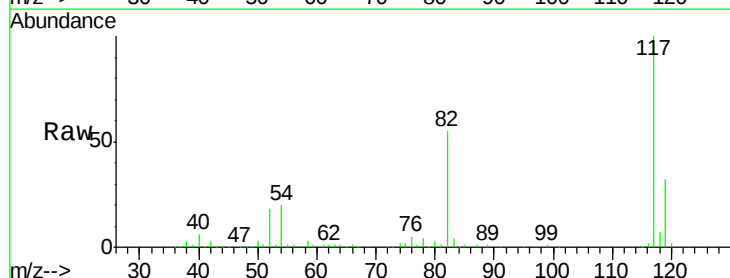
Tgt Ion: 117 Resp: 296143

Ion Ratio Lower Upper

117 100

82 55.3 44.2 66.2

119 32.2 25.8 38.6



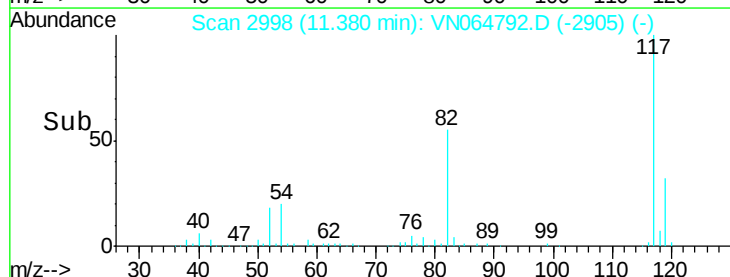
Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

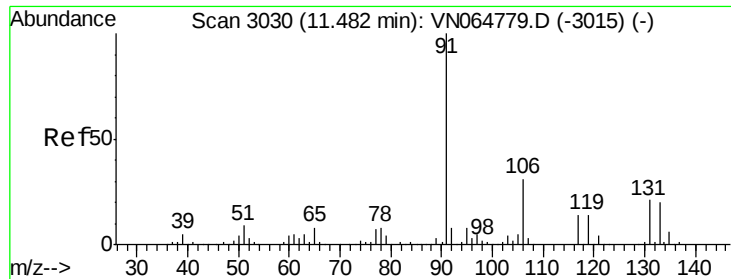
Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

11.38

Time-->



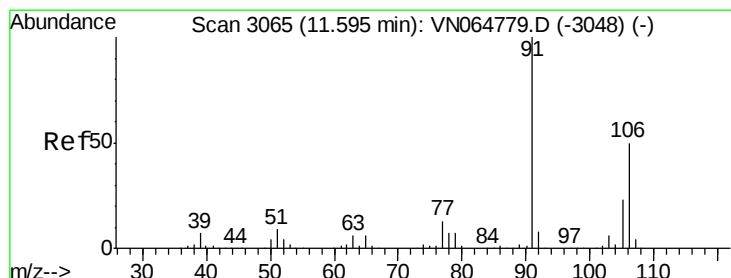
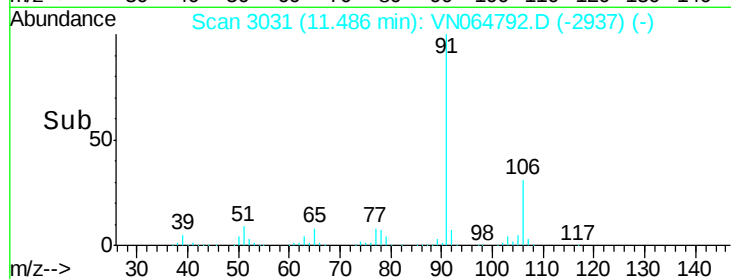
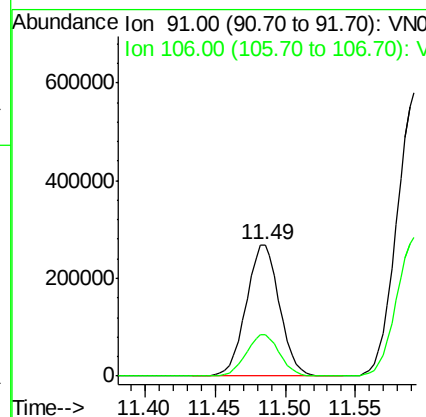
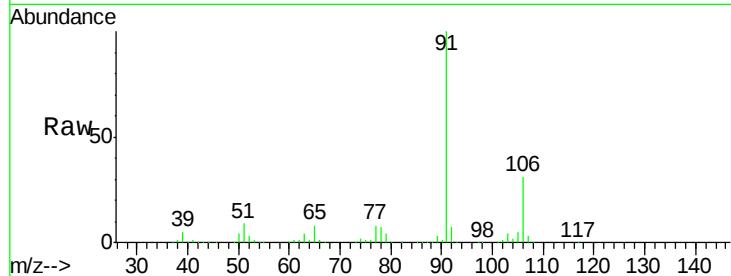
Time-->



#67
Ethyl Benzene
Concen: 41.856 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

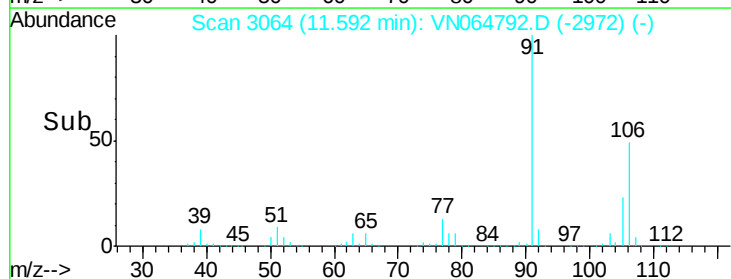
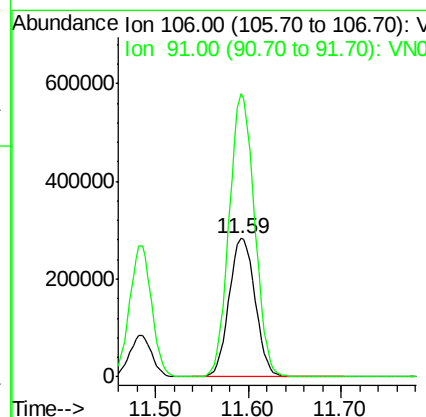
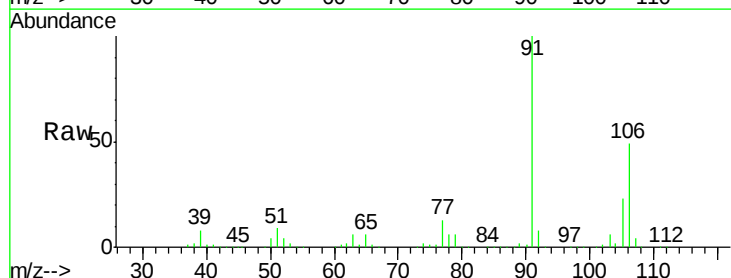
Instrument :
MSVOA_N
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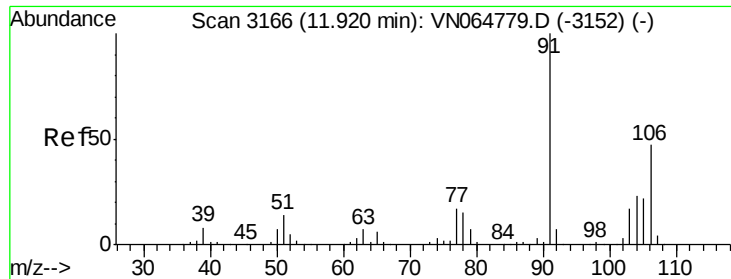
Tot Ion: 91 Resp: 444686
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 137.681 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Tgt Ion: 106 Resp: 553804
Ion Ratio Lower Upper
106 100
91 198.9 161.0 241.4

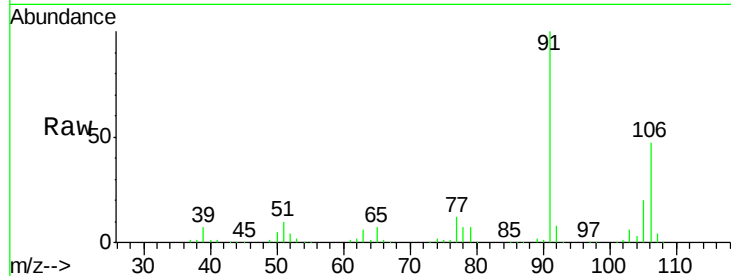




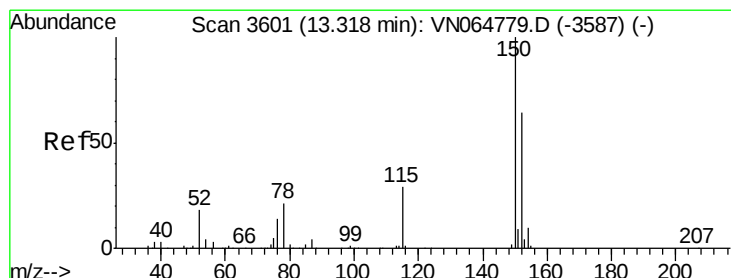
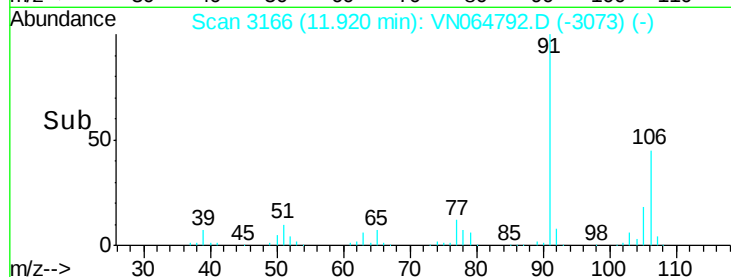
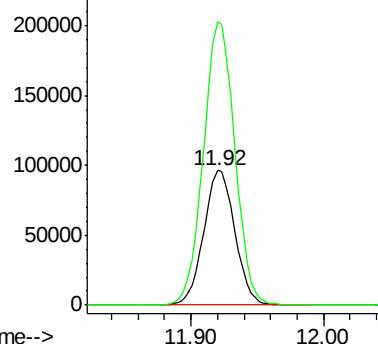
#69
o-Xylene
Concen: 41.304 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion:106 Resp: 157657
Ion Ratio Lower Upper
106 100
91 211.7 105.5 316.5

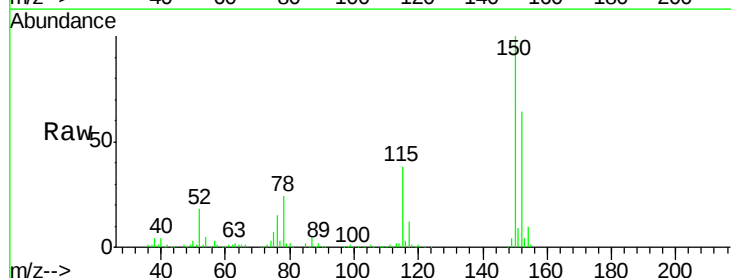


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

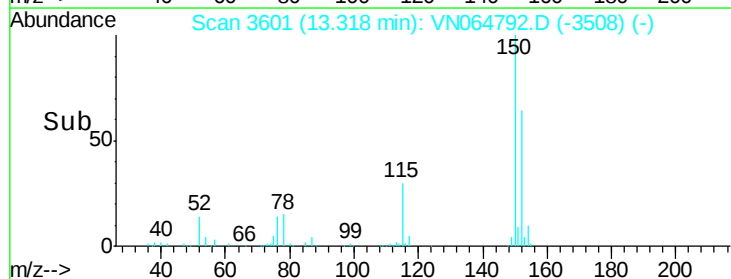
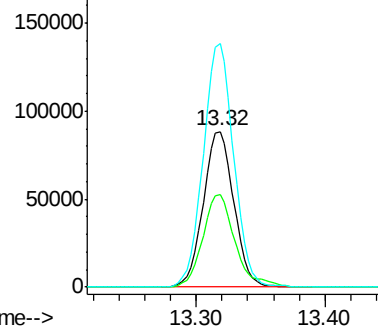


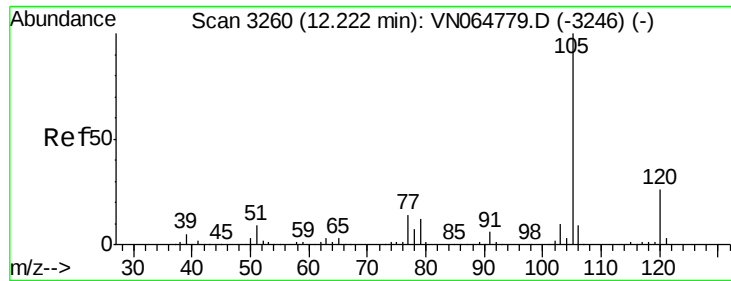
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064792.D
Acq: 23 Nov 2020 18:47

Tgt Ion:152 Resp: 145301
Ion Ratio Lower Upper
152 100
115 62.9 29.7 89.1
150 156.0 0.0 350.6



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





#73

Isopropylbenzene

Concen: 2.391 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064792.D

Acq: 23 Nov 2020 18:47

Instrument :

MSVOA_N

ClientSampled :

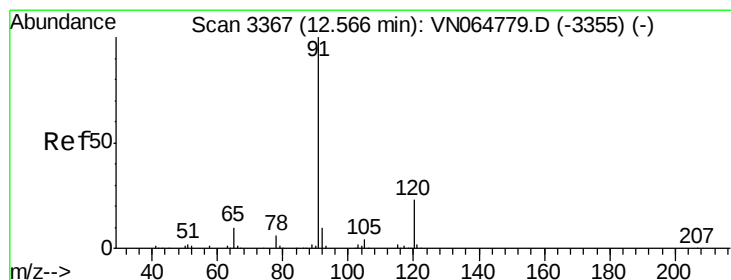
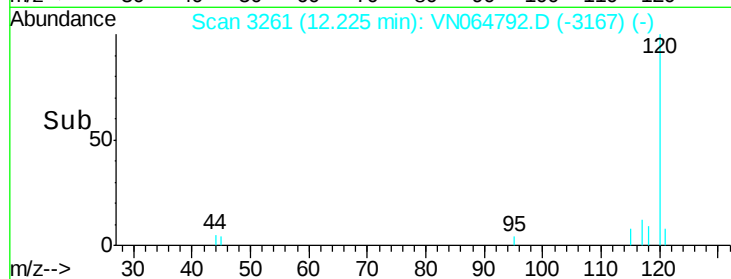
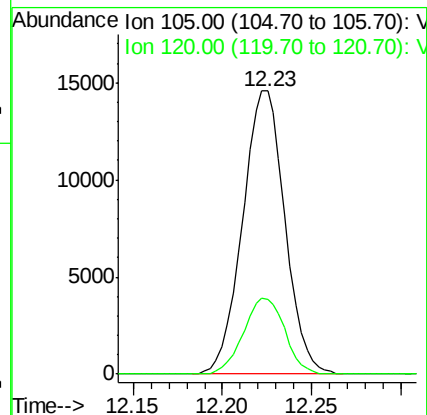
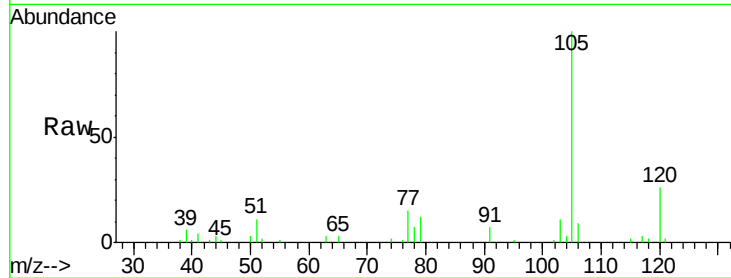
MW-6

Tot Ion:105 Resp: 24169

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#78

n-propylbenzene

Concen: 3.596 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064792.D

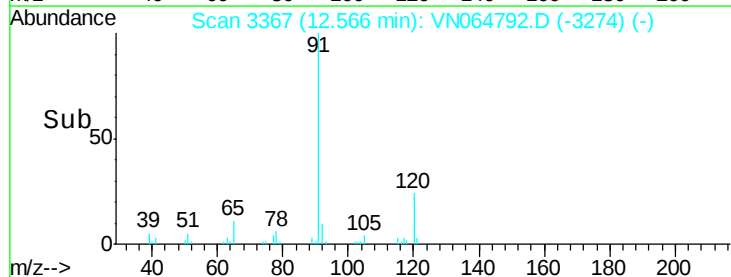
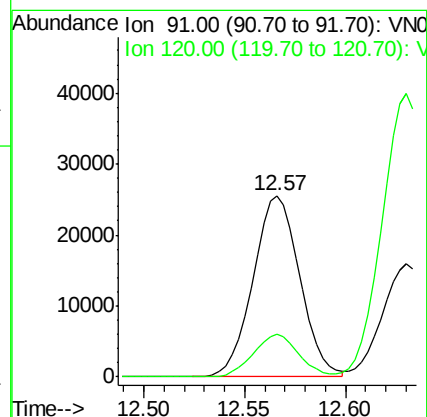
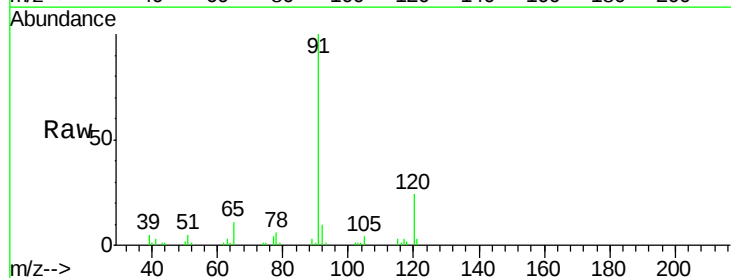
Acq: 23 Nov 2020 18:47

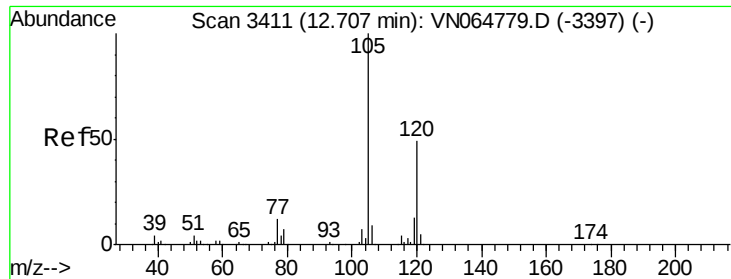
Tgt Ion: 91 Resp: 41403

Ion Ratio Lower Upper

91 100

120 22.7 11.6 34.7

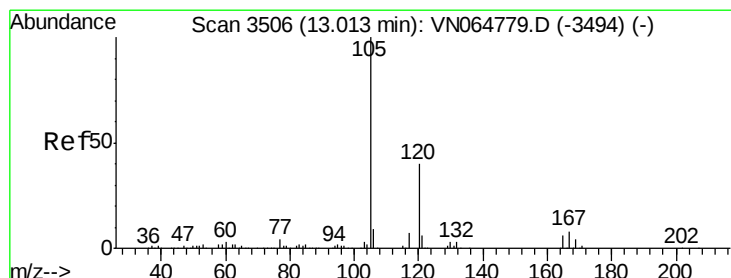
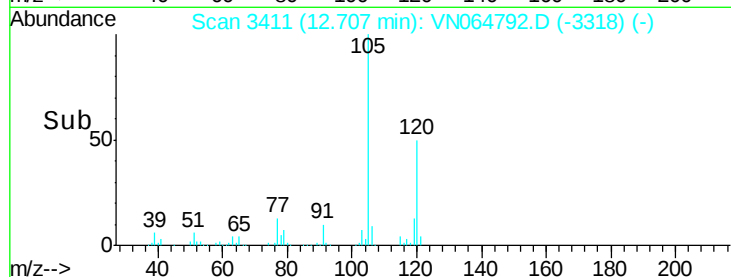
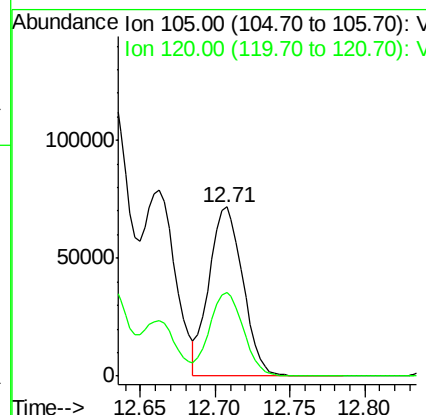
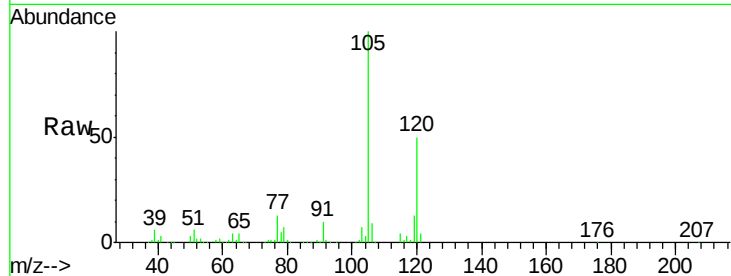




#80
 1,3,5-Trimethylbenzene
 Concen: 13.401 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064792.D
 Acq: 23 Nov 2020 18:47

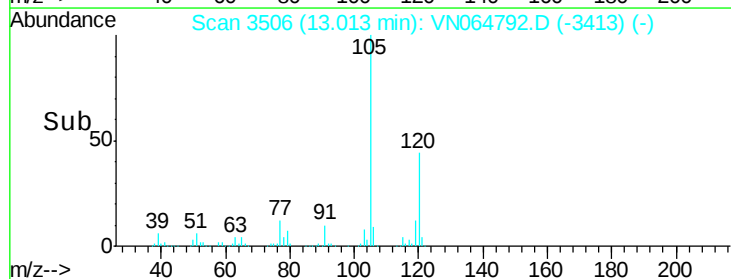
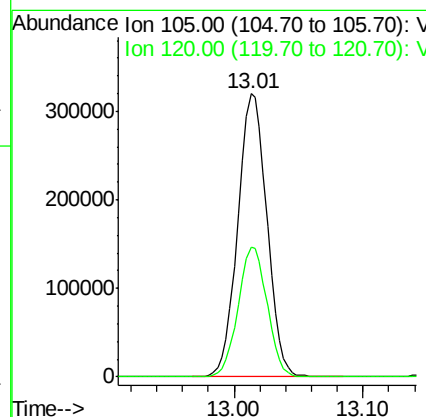
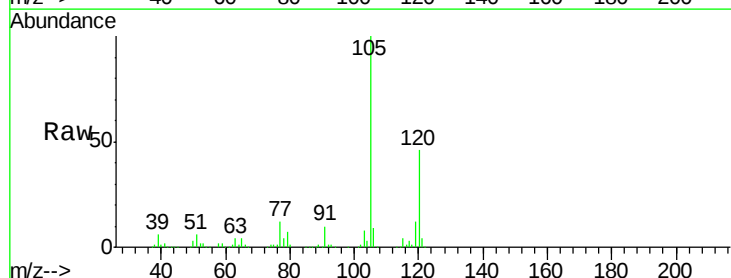
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

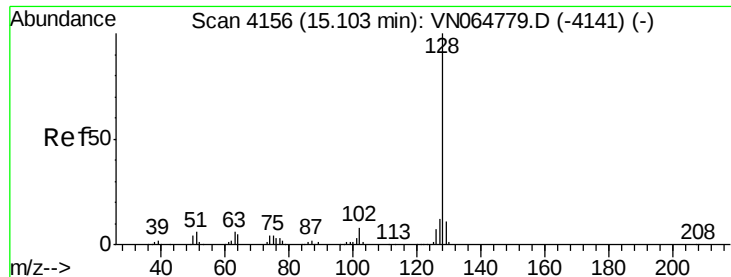
Tot Ion:105 Resp: 112578
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 59.118 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064792.D
 Acq: 23 Nov 2020 18:47

Tgt Ion:105 Resp: 502128
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2





#95

Naphthalene

Concen: 7.923 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064792.D

Acq: 23 Nov 2020 18:47

Instrument :

MSVOA_N

ClientSampleId :

MW-6

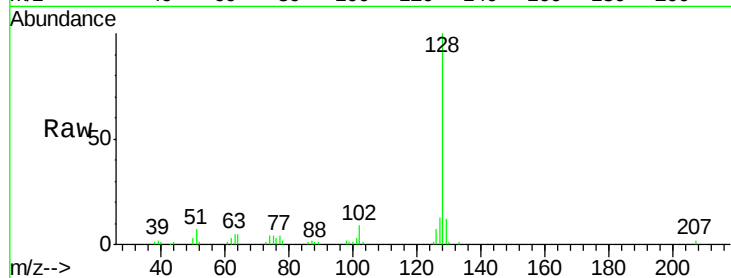
Tot Ion:128 Resp: 69798

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 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

