

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064945.D
 Acq On : 7 Dec 2020 15:11
 Operator : JC/MD
 Sample : L4954-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6703-120220

Quant Time: Dec 08 08:16:42 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	7.62	168	197315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	333208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	346827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107402	46.82	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.64%
35) Dibromofluoromethane	7.55	113	101156	50.74	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.48%
50) Toluene-d8	10.06	98	440259	54.04	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.08%
62) 4-Bromofluorobenzene	12.37	95	167678	57.51	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.02%

Target Compounds

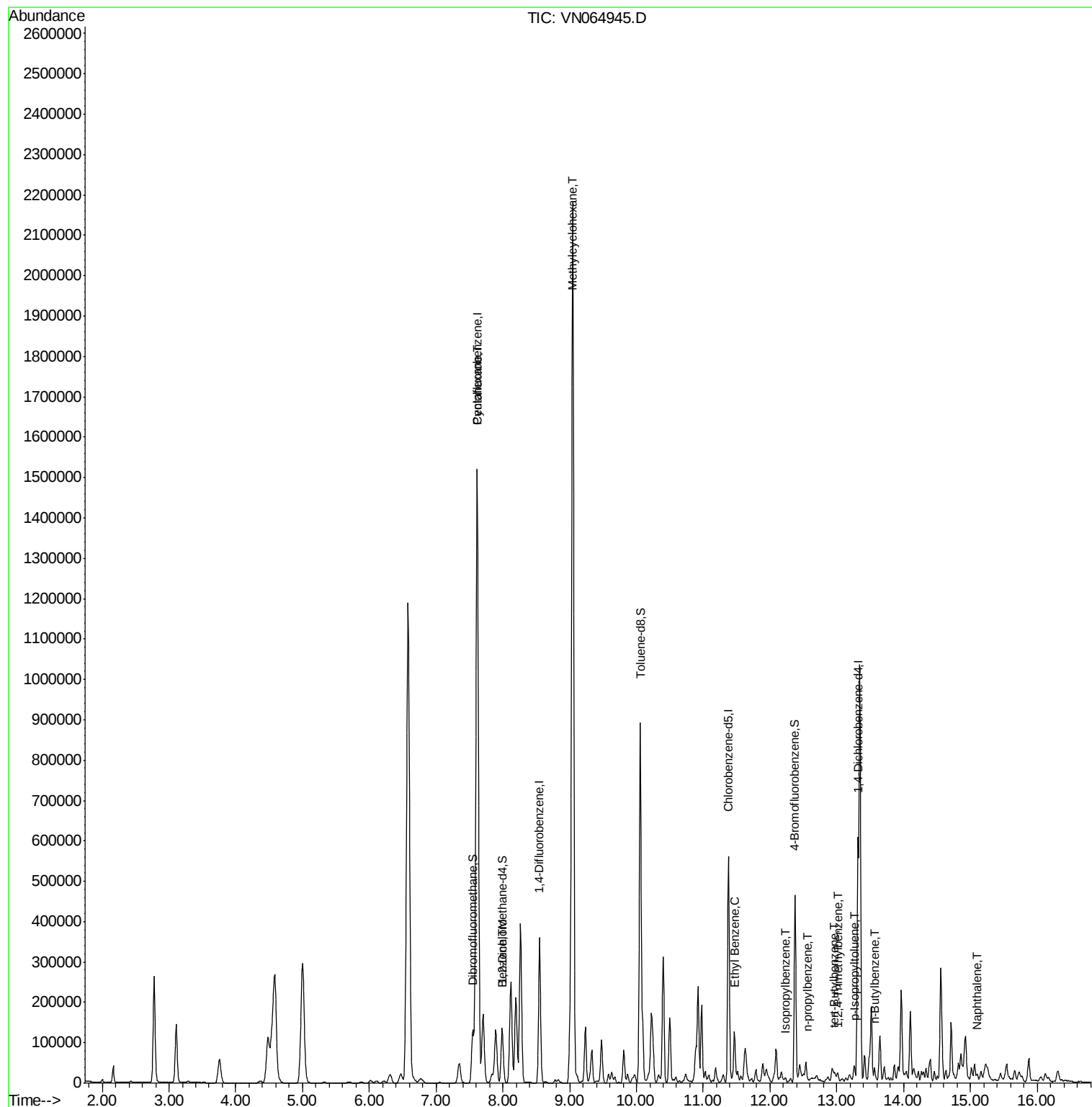
					Qvalue	
31) Cyclohexane	7.61	56	853015	266.803	ug/l	97
39) Methylcyclohexane	9.05	83	1060770	319.049	ug/l	96
40) Benzene	8.00	78	14460	1.528	ug/l	99
67) Ethyl Benzene	11.48	91	6160	0.495	ug/l #	84
73) Isopropylbenzene	12.22	105	2639	0.227	ug/l	93
78) n-propylbenzene	12.57	91	4254	0.321	ug/l	92
83) tert-Butylbenzene	12.97	119	9231	1.138	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	9849	1.007	ug/l	98
86) p-Isopropyltoluene	13.26	119	18175	1.853	ug/l	94
89) n-Butylbenzene	13.57	91	4004	0.465	ug/l #	1
95) Naphthalene	15.10	128	12254	1.207	ug/l	98

(#) = 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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064945.D

Acq: 7 Dec 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

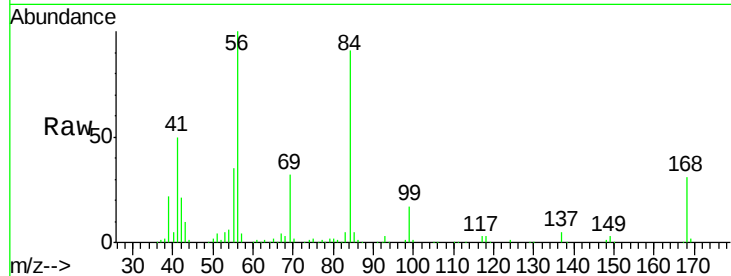
SS013-13-6703-120220

Tot Ion:168 Resp: 197315

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

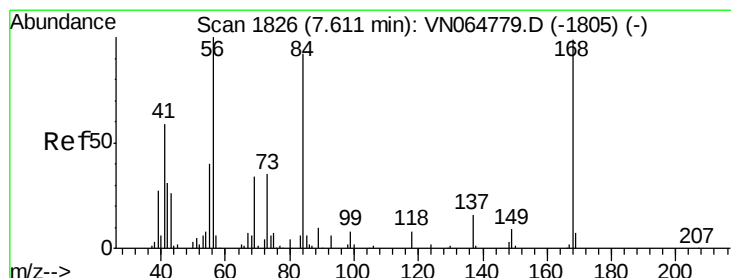
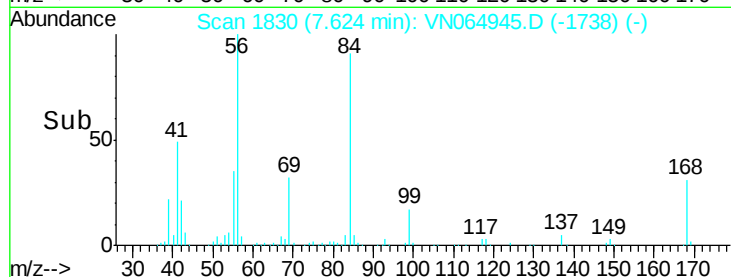
40000

20000

0

Time-->

7.50 7.60 7.70



#31

Cyclohexane

Concen: 266.803 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064945.D

Acq: 7 Dec 2020 15:11

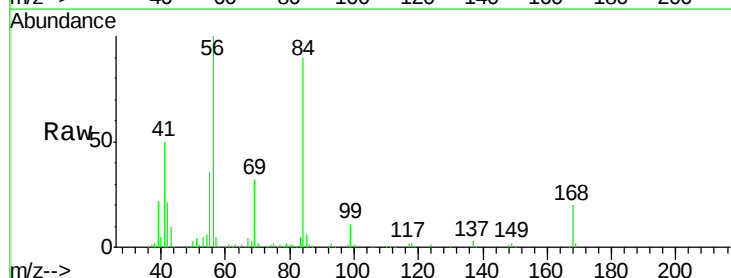
Tgt Ion: 56 Resp: 853015

Ion Ratio Lower Upper

56 100

69 31.7 27.5 41.3

84 90.4 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

7.61

400000

300000

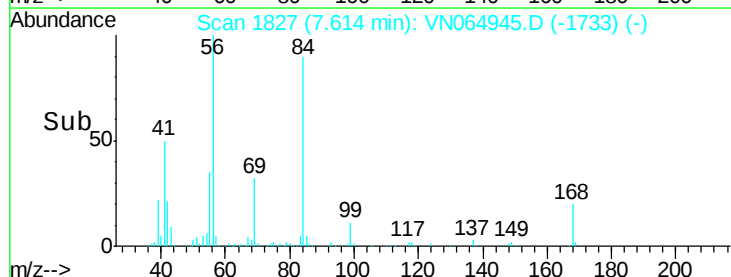
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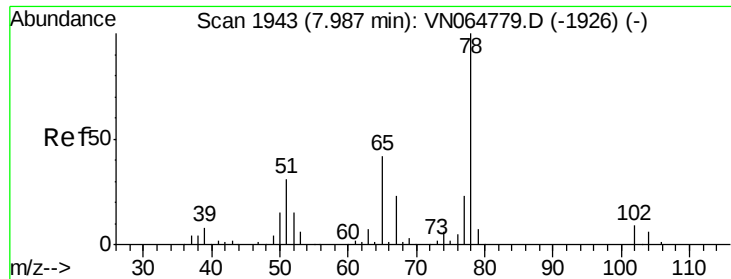
100000

0

Time-->

7.50 7.55 7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: 46.820 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064945.D

Acq: 7 Dec 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

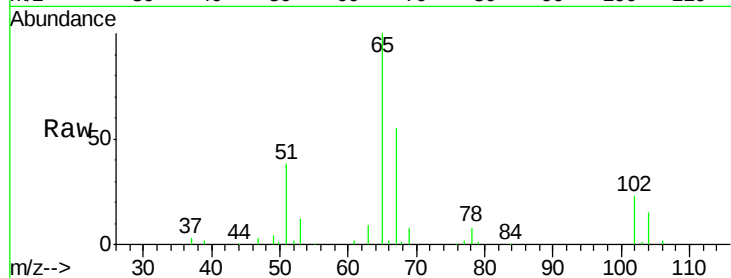
SS013-13-6703-120220

Tot Ion: 65 Resp: 107402

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

50000

40000

30000

20000

10000

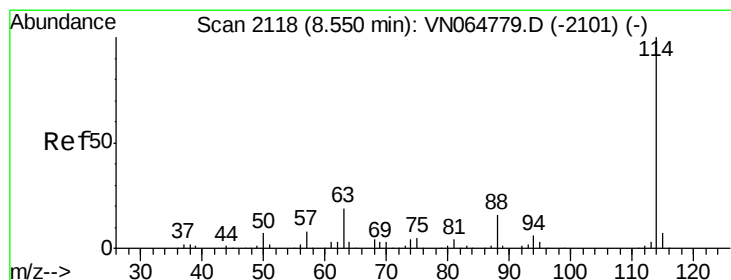
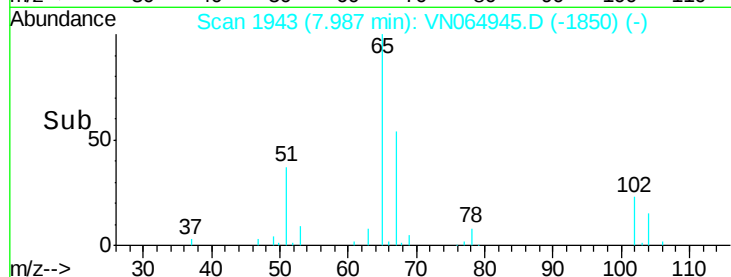
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Time-->

7.90

8.00

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: VN064945.D

Acq: 7 Dec 2020 15:11

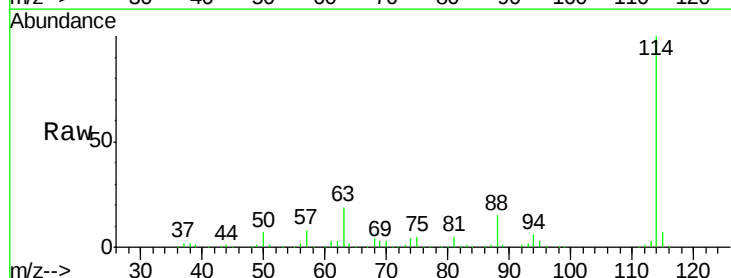
Tgt Ion: 114 Resp: 333208

Ion Ratio Lower Upper

114 100

63 19.0 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): VN0

Ion 87.90 (87.60 to 88.60): VN0

200000

150000

100000

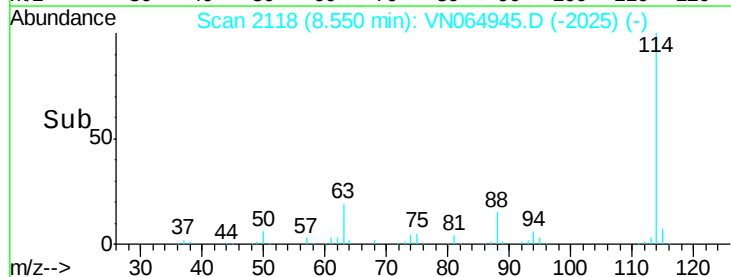
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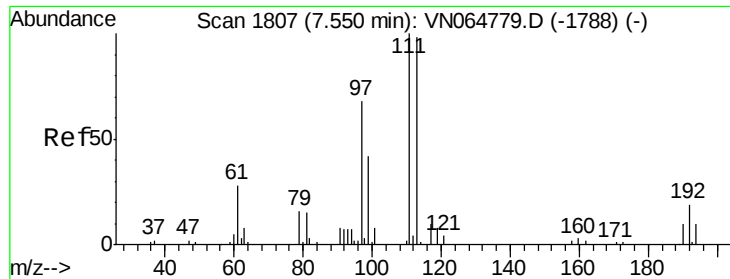
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Time-->

8.50

8.60

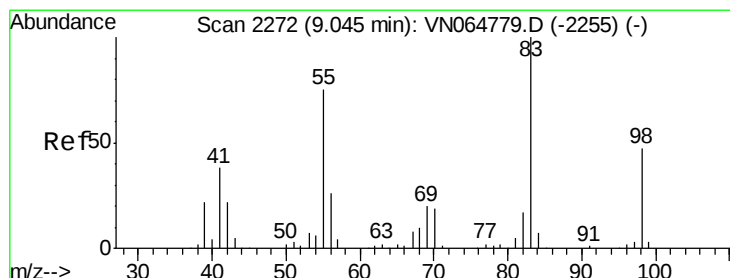
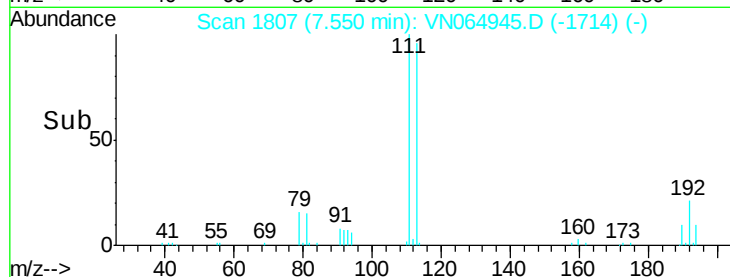
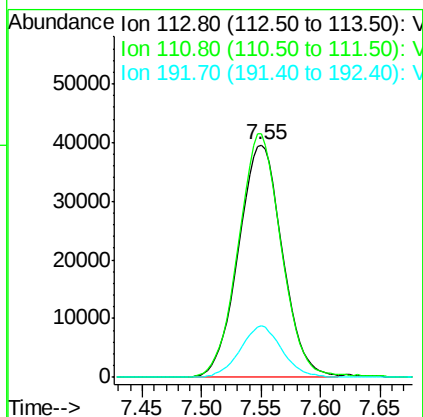
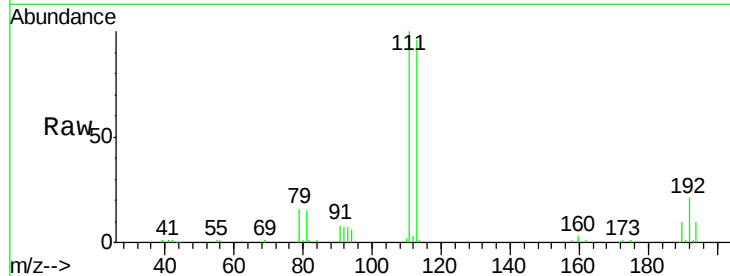




#35
Dibromofluoromethane
Concen: 50.735 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

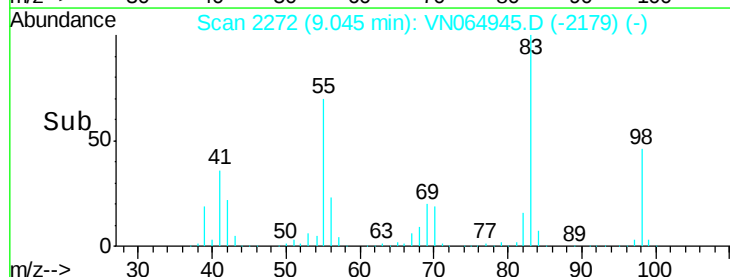
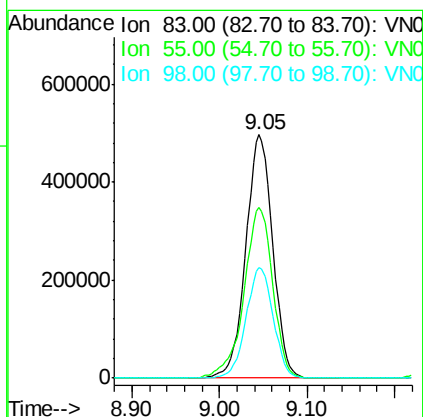
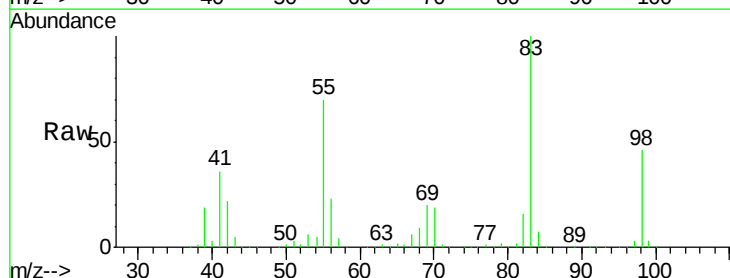
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6703-120220

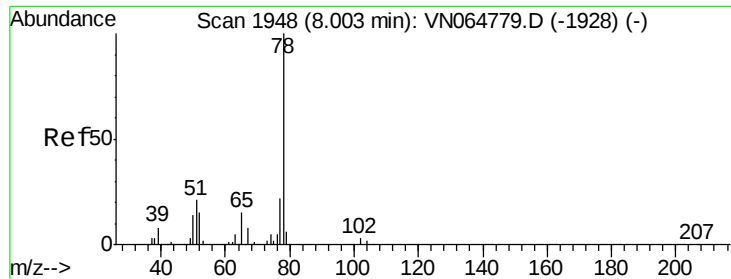
Tot Ion:113 Resp: 101156
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 21.0 16.2 24.2



#39
Methylcyclohexane
Concen: 319.049 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

Tgt Ion: 83 Resp: 1060770
Ion Ratio Lower Upper
83 100
55 70.3 60.2 90.2
98 45.5 37.4 56.2





#40

Benzene

Concen: 1.528 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064945.D

Acq: 7 Dec 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

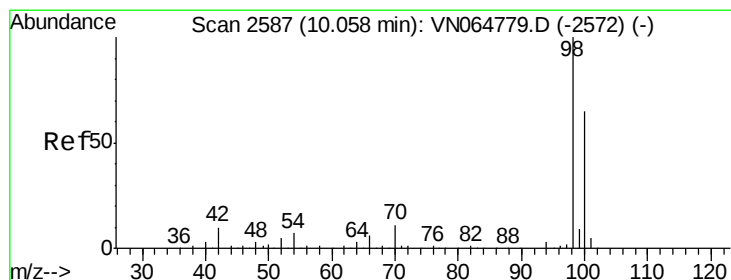
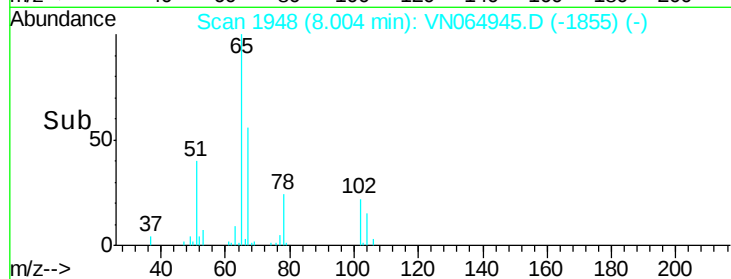
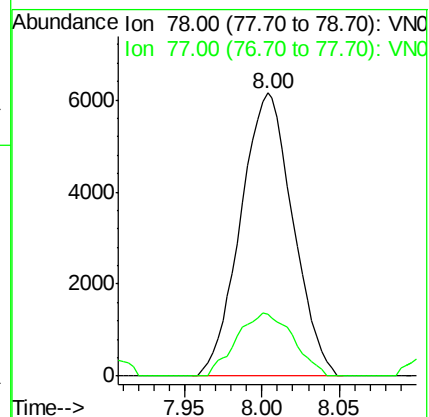
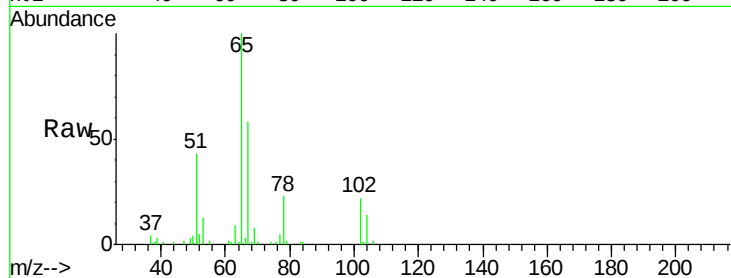
SS013-13-6703-120220

Tot Ion: 78 Resp: 14460

Ion Ratio Lower Upper

78 100

77 22.1 17.9 26.9



#50

Toluene-d8

Concen: 54.042 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064945.D

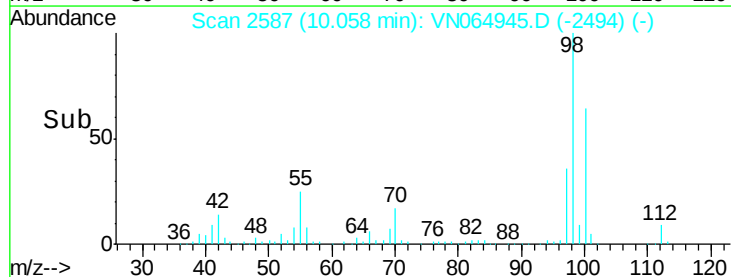
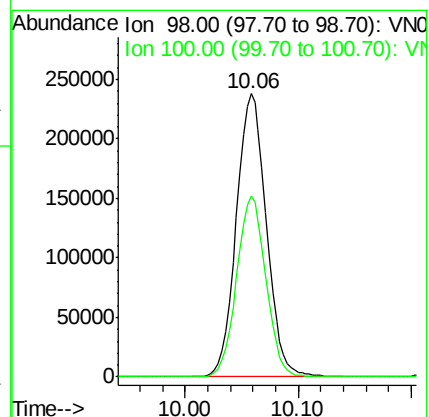
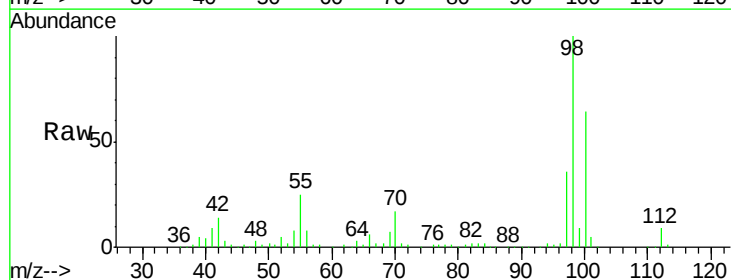
Acq: 7 Dec 2020 15:11

Tgt Ion: 98 Resp: 440259

Ion Ratio Lower Upper

98 100

100 62.0 51.7 77.5

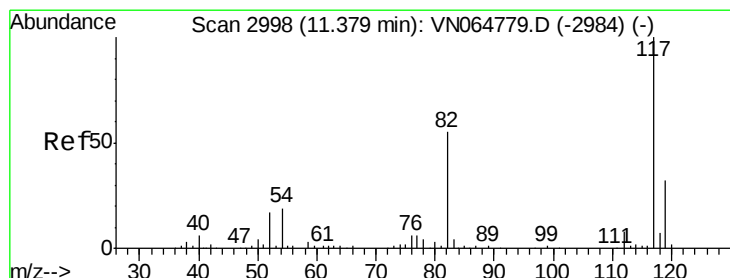
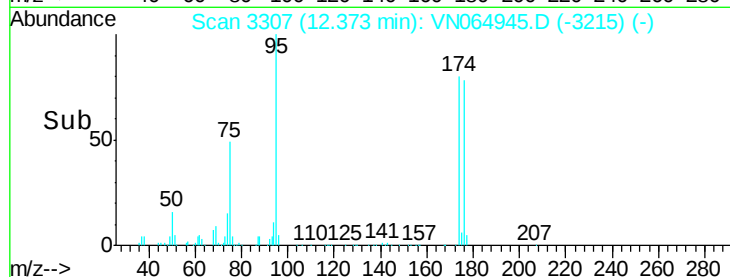
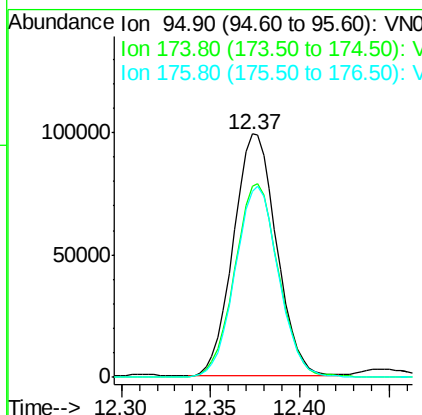
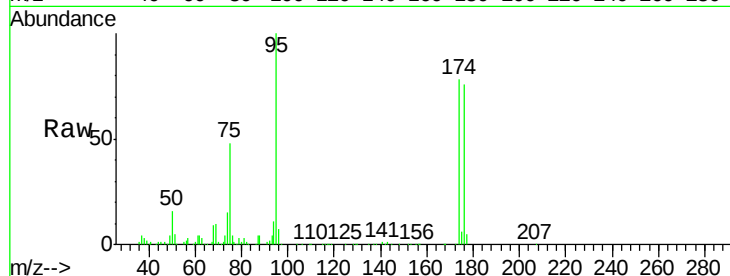




#62
4-Bromofluorobenzene
Concen: 57.513 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

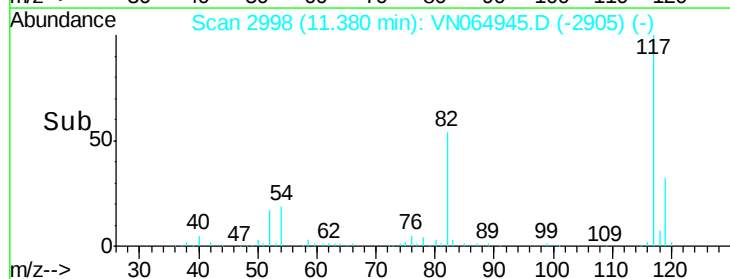
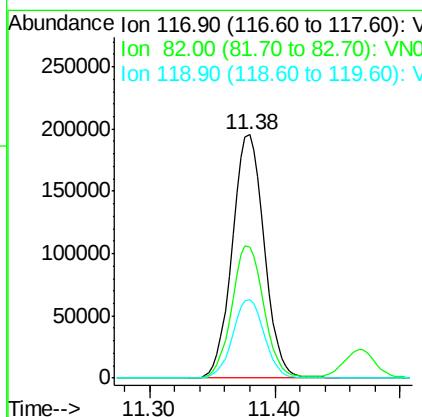
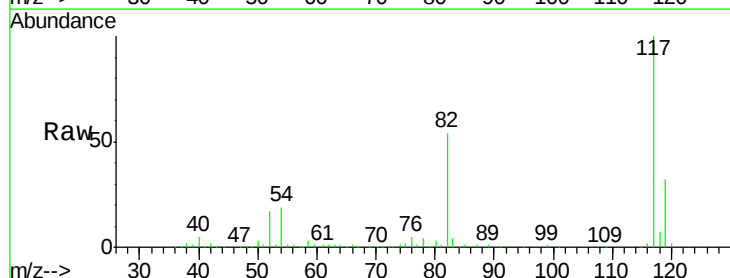
Instrument :
MSVOA_N
ClientSampleId :
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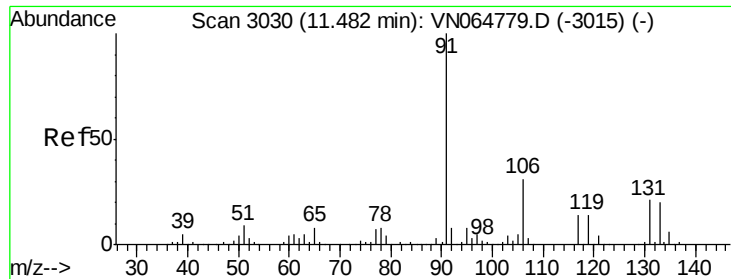
Tot Ion: 95 Resp: 167678
Ion Ratio Lower Upper
95 100
174 81.4 0.0 160.4
176 79.4 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

Tgt Ion: 117 Resp: 346827
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.1 25.8 38.6

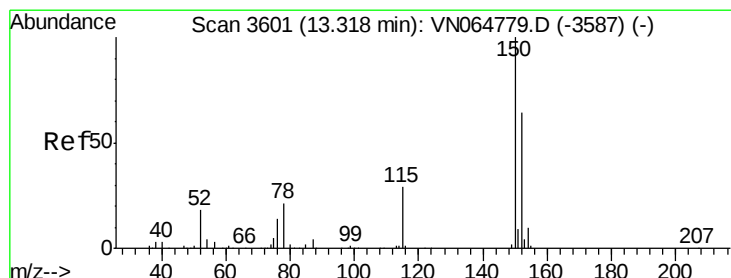
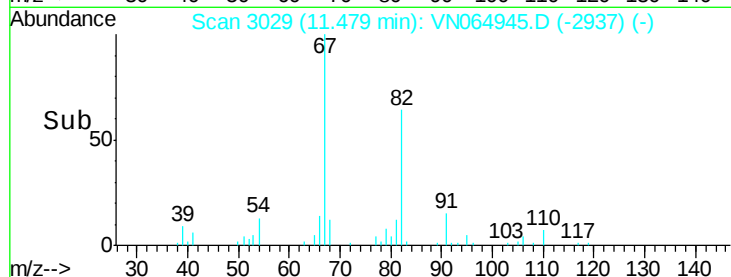
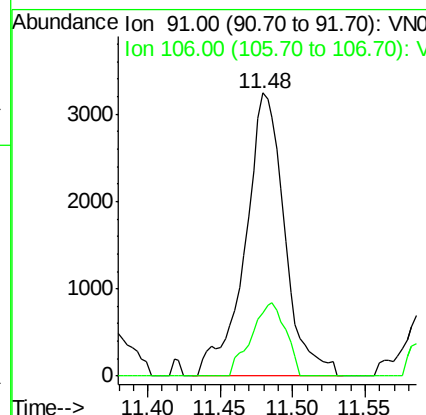
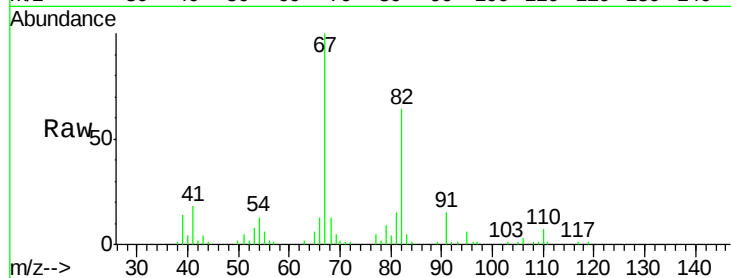




#67
Ethyl Benzene
Concen: 0.495 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

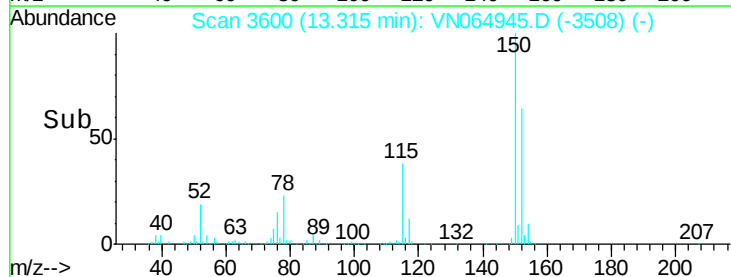
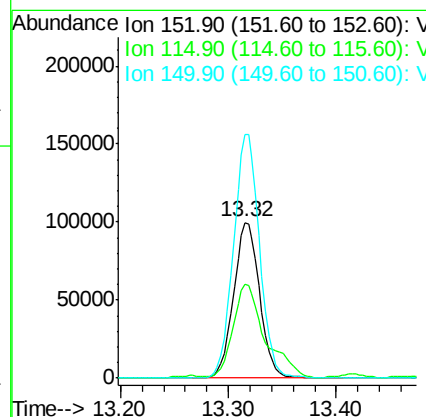
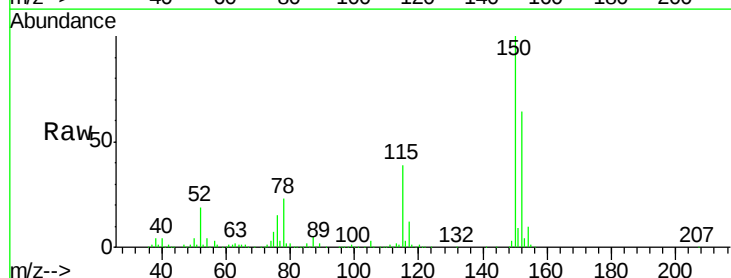
Instrument :
MSVOA_N
ClientSampleId :
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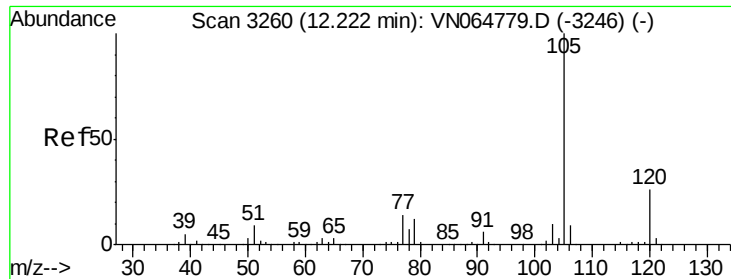
Tot Ion: 91 Resp: 6160
Ion Ratio Lower Upper
91 100
106 22.4 25.2 37.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

Tgt Ion: 152 Resp: 167399
Ion Ratio Lower Upper
152 100
115 74.1 29.7 89.1
150 156.9 0.0 350.6





#73

Isopropylbenzene

Concen: 0.227 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064945.D

Acq: 7 Dec 2020 15:11

Instrument :

MSVOA_N

ClientSampleId :

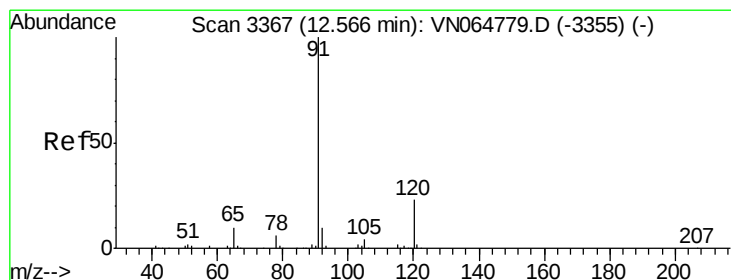
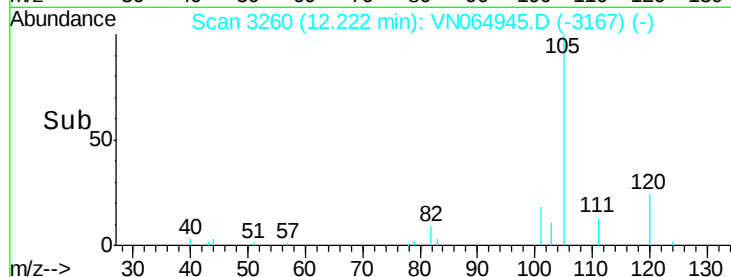
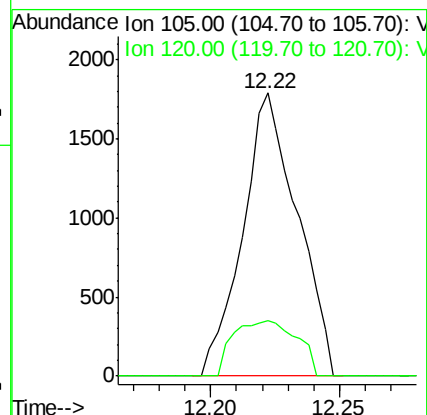
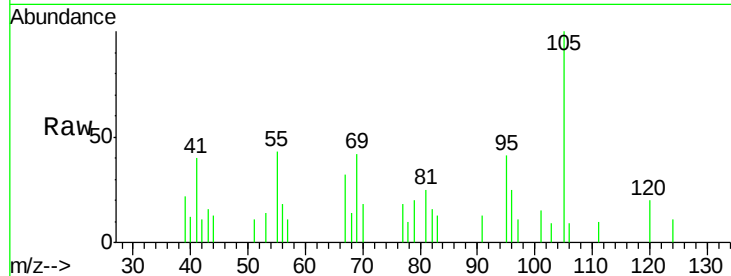
SS013-13-6703-120220

Tot Ion:105 Resp: 2639

Ion Ratio Lower Upper

105 100

120 22.8 13.3 39.9



#78

n-propylbenzene

Concen: 0.321 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064945.D

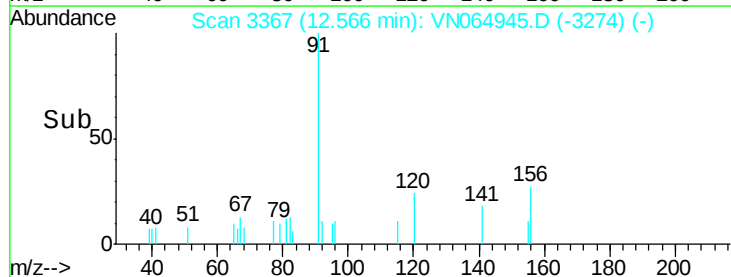
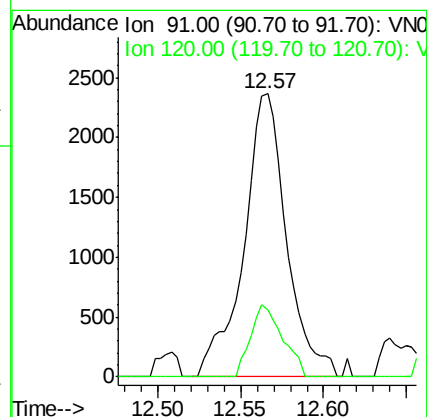
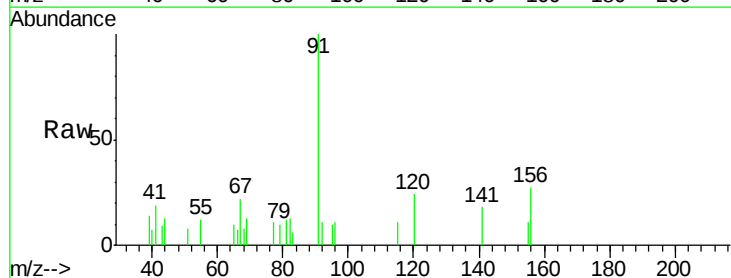
Acq: 7 Dec 2020 15:11

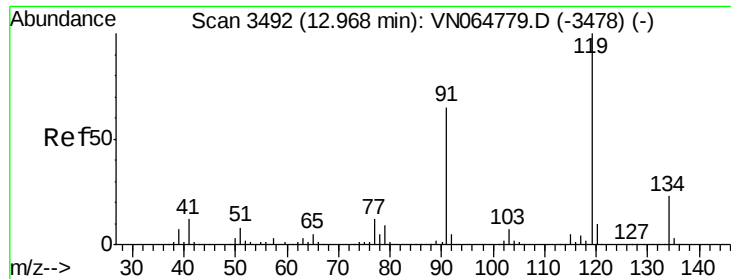
Tgt Ion: 91 Resp: 4254

Ion Ratio Lower Upper

91 100

120 19.1 11.6 34.7

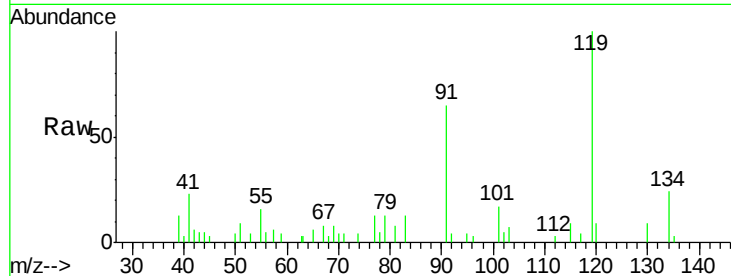




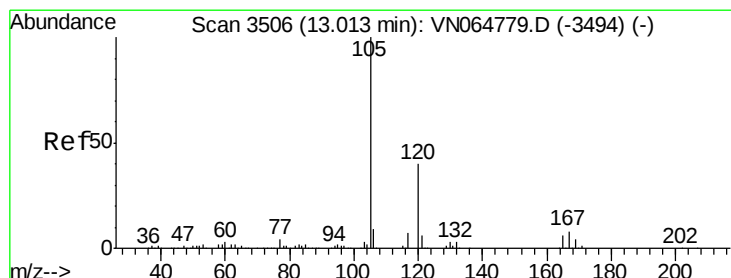
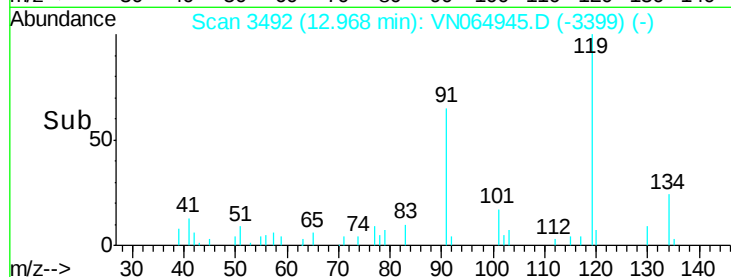
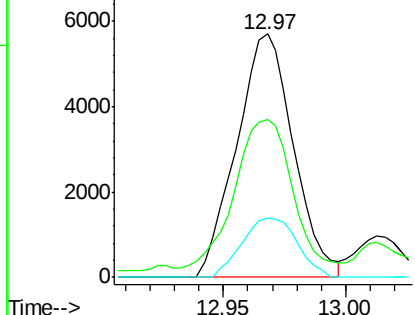
#83
tert-Butylbenzene
Concen: 1.138 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6703-120220

Tot Ion:119 Resp: 9231
Ion Ratio Lower Upper
119 100
91 69.7 32.3 96.8
134 23.7 12.6 37.6

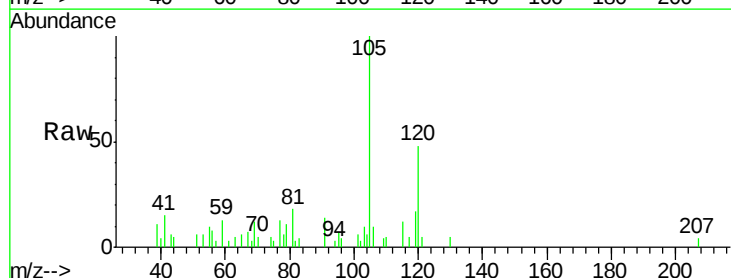


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

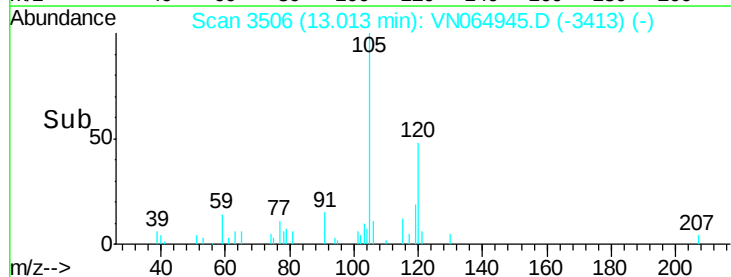
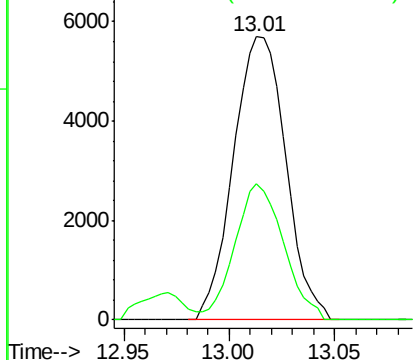


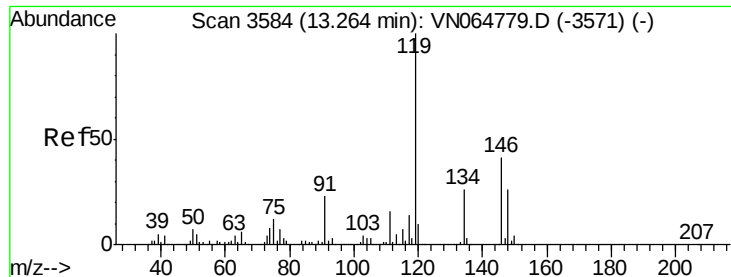
#84
1,2,4-Trimethylbenzene
Concen: 1.007 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

Tgt Ion:105 Resp: 9849
Ion Ratio Lower Upper
105 100
120 44.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

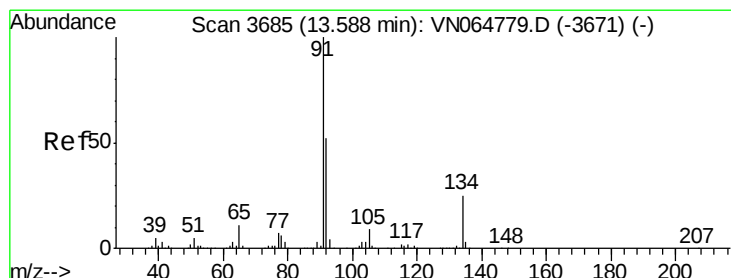
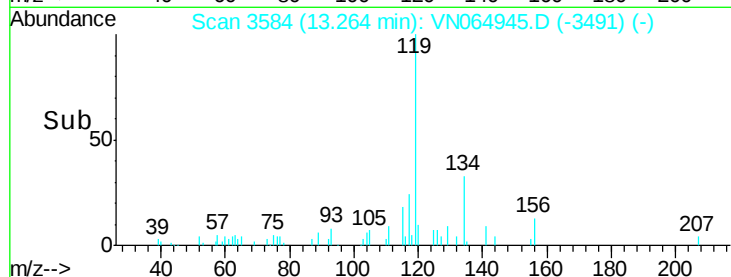
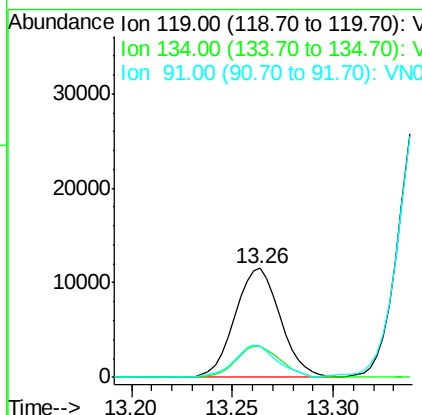
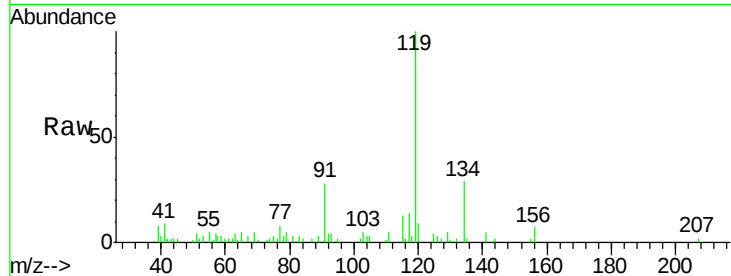




#86
 p-Isopropyltoluene
 Concen: 1.853 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064945.D
 Acq: 7 Dec 2020 15:11

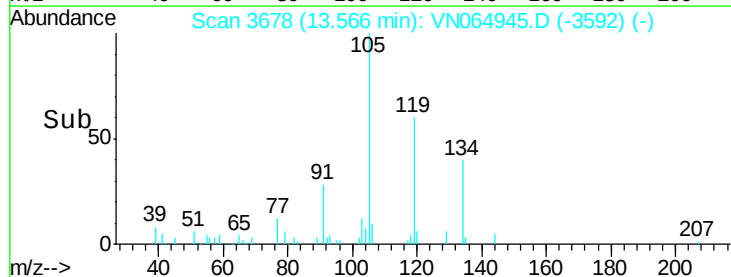
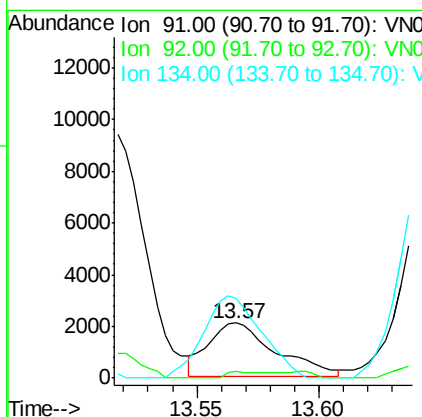
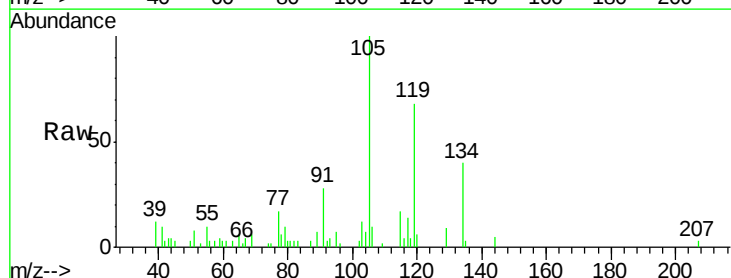
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6703-120220

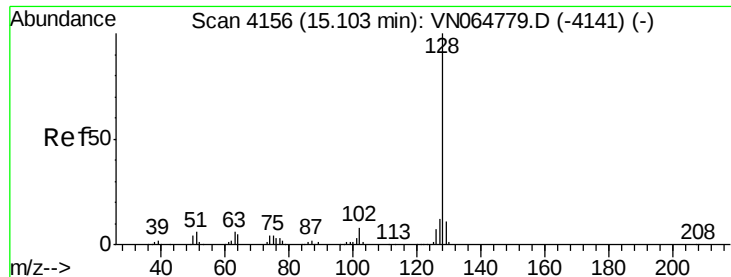
Tot Ion:119 Resp: 18175
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.1 39.1
 91 27.6 11.5 34.5



#89
 n-Butylbenzene
 Concen: 0.465 ug/l
 RT: 13.57 min Scan# 3678
 Delta R.T. -0.02 min
 Lab File: VN064945.D
 Acq: 7 Dec 2020 15:11

Tgt Ion: 91 Resp: 4004
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.0 78.0#
 134 131.2 12.9 38.6#





#95
Naphthalene
Concen: 1.207 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064945.D
Acq: 7 Dec 2020 15:11

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6703-120220

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	9.8	8.7	13.1

