

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064947.D
 Acq On : 7 Dec 2020 16:00
 Operator : JC/MD
 Sample : L4954-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6711-120220

Quant Time: Dec 08 16:57:23 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	181279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	318708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	338464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159568	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	106583	50.57	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.14%	
35) Dibromofluoromethane		7.55	113	98947	51.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.76%	
50) Toluene-d8		10.06	98	402502	51.66	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.32%	
62) 4-Bromofluorobenzene		12.37	95	162674	58.33	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	116.66%	

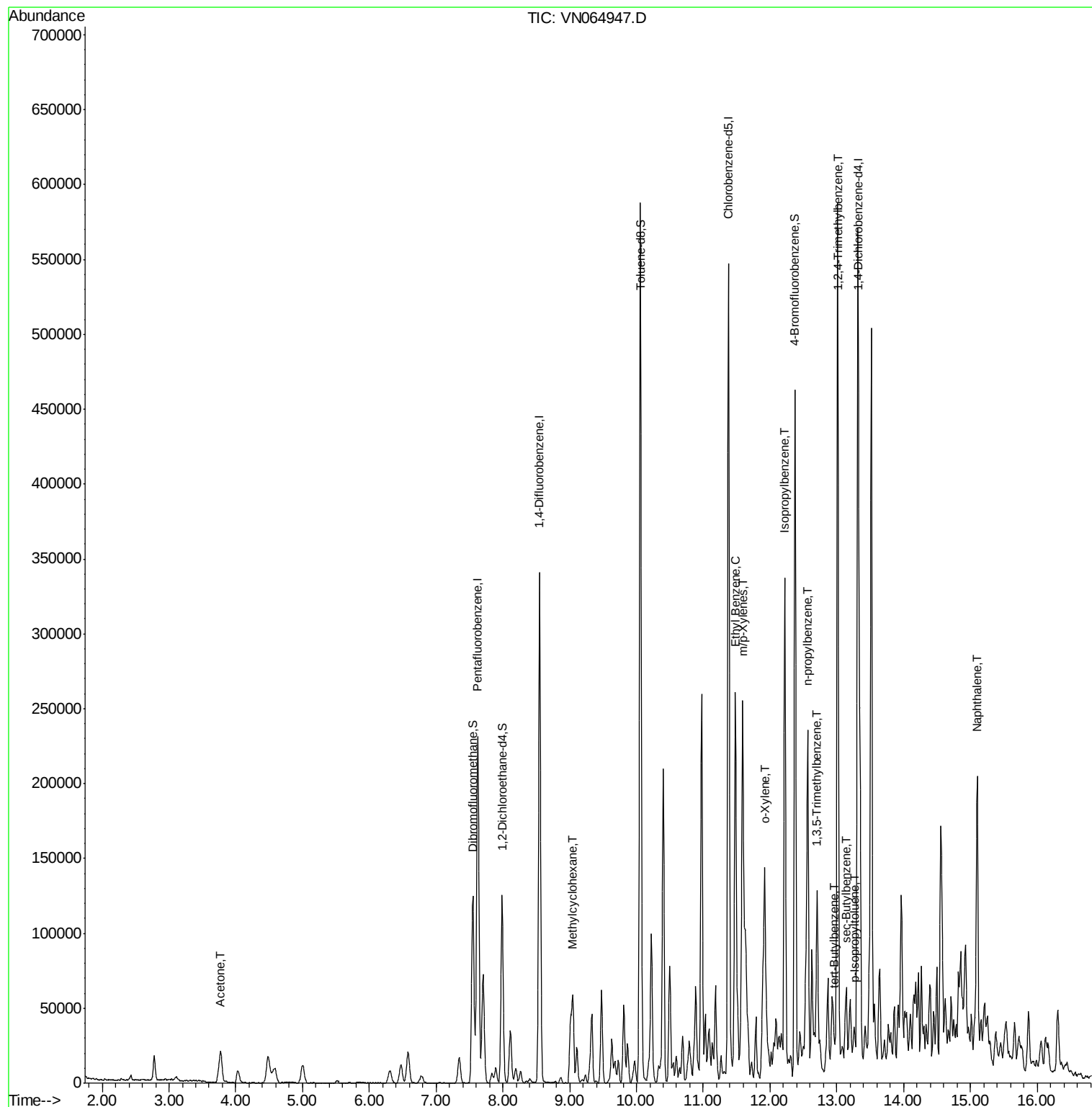
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	30812	44.475	ug/l	89
39) Methylcyclohexane	9.04	83	29202	9.183	ug/l	95
67) Ethyl Benzene	11.48	91	175189	14.428	ug/l	100
68) m/p-Xylenes	11.59	106	80237	17.453	ug/l	98
69) o-Xylene	11.92	106	33670	7.718	ug/l	95
73) Isopropylbenzene	12.22	105	224988	20.271	ug/l	100
78) n-propylbenzene	12.57	91	183281	14.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	52019	5.639	ug/l	99
83) tert-Butylbenzene	12.96	119	3447	0.446	ug/l	93
84) 1,2,4-Trimethylbenzene	13.01	105	330534	35.436	ug/l	100
85) sec-Butylbenzene	13.14	105	27423	2.671	ug/l	79
86) p-Isopropyltoluene	13.26	119	10341	1.106	ug/l	98
95) Naphthalene	15.10	128	158388	16.372	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

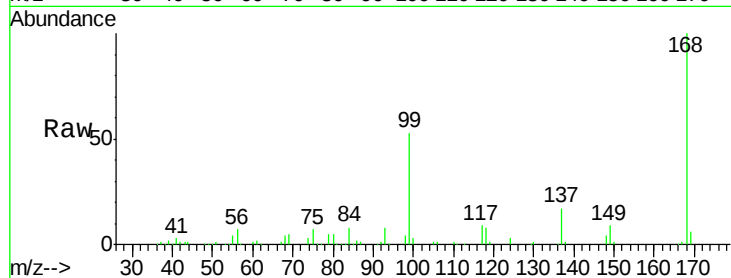
SS013-13-6711-120220

Tot Ion:168 Resp: 181279

Ion Ratio Lower Upper

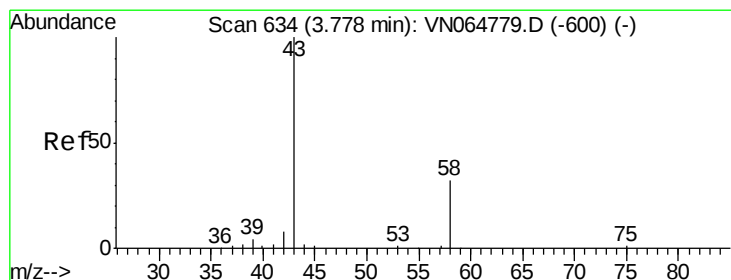
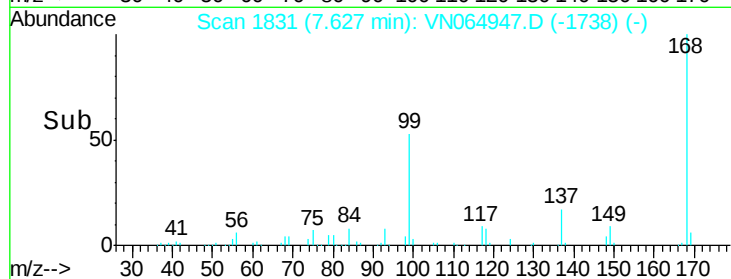
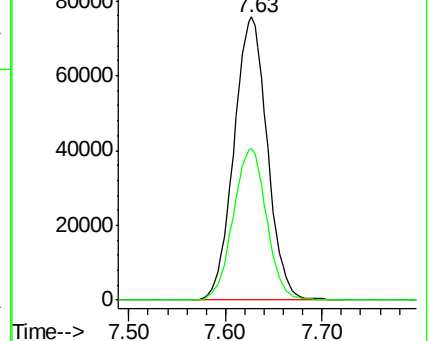
168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 44.475 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064947.D

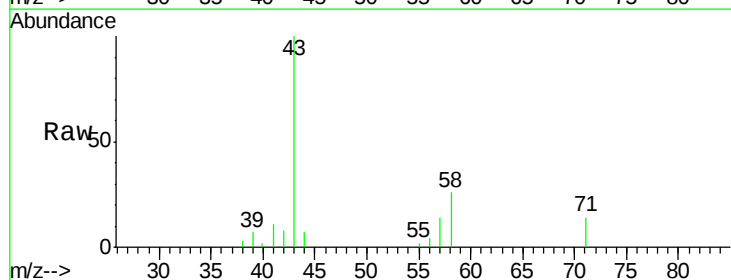
Acq: 7 Dec 2020 16:00

Tgt Ion: 43 Resp: 30812

Ion Ratio Lower Upper

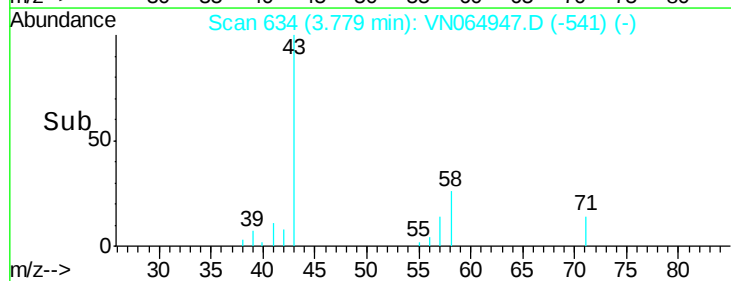
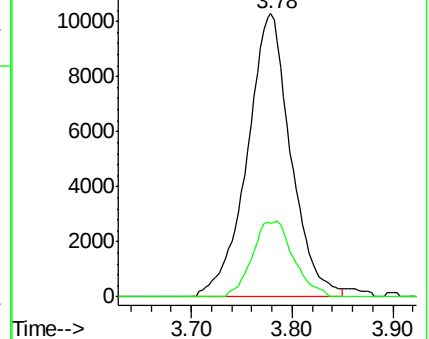
43 100

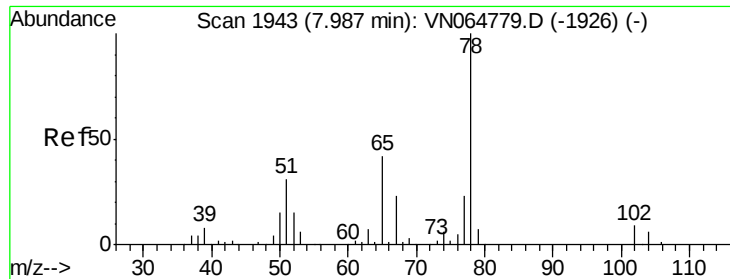
58 25.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

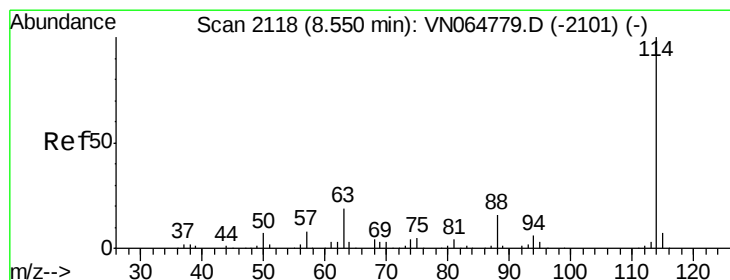
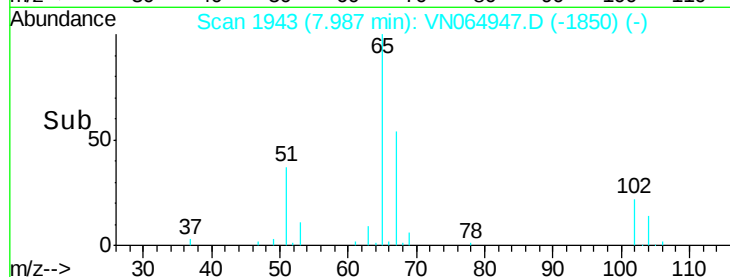
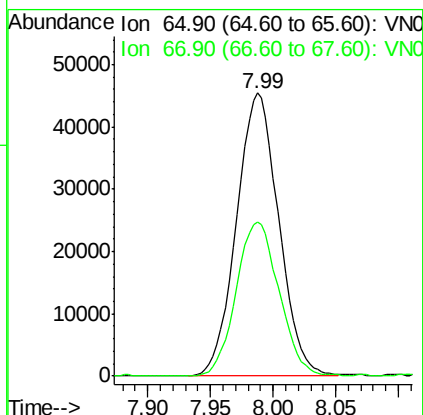
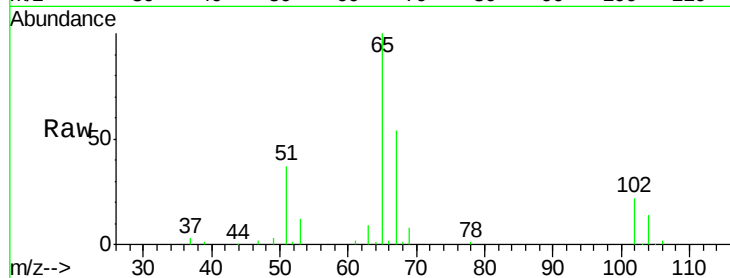




#33
 1,2-Dichloroethane-d4
 Concen: 50.573 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064947.D
 Acq: 7 Dec 2020 16:00

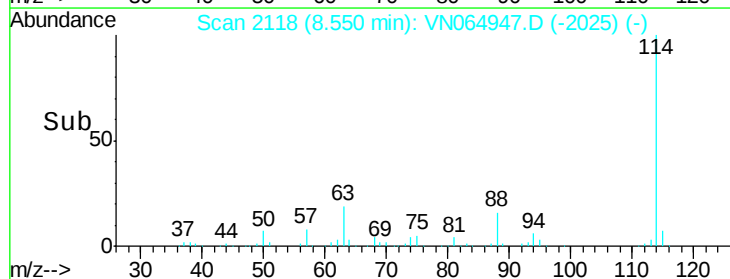
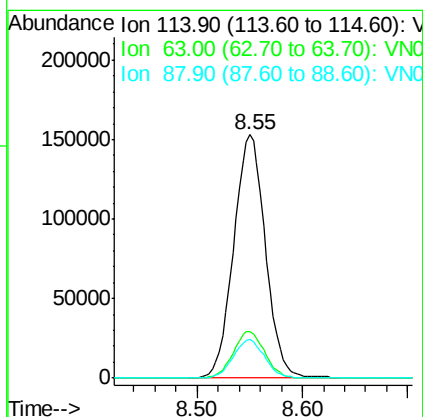
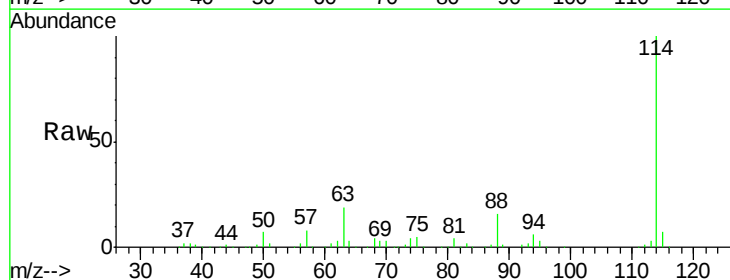
Instrument :
 MSVOA_N
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 SS013-13-6711-120220

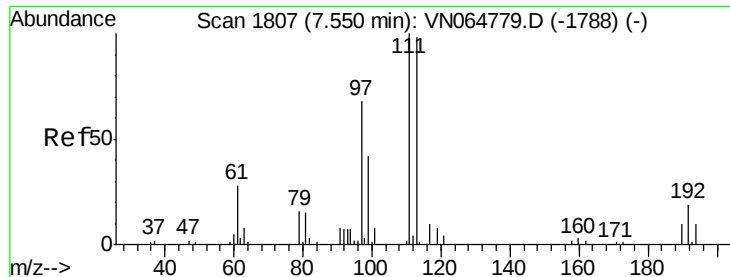
Tot Ion: 65 Resp: 106583
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064947.D
 Acq: 7 Dec 2020 16:00

Tgt Ion: 114 Resp: 318708
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.7 0.0 32.6

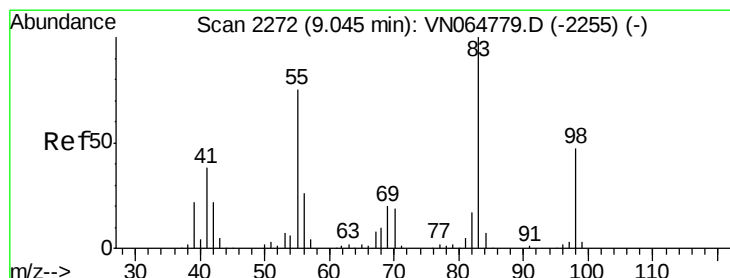
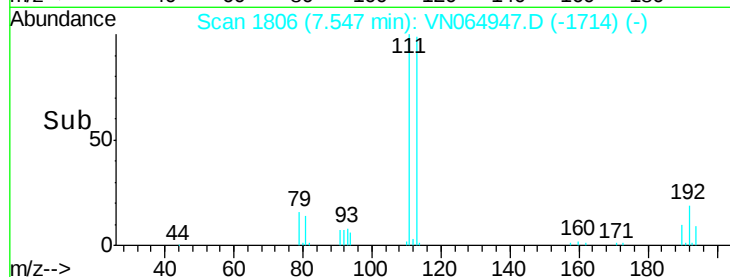
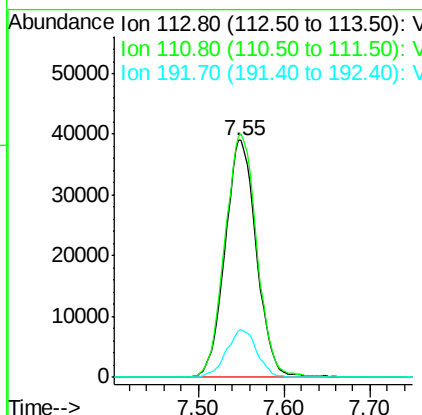
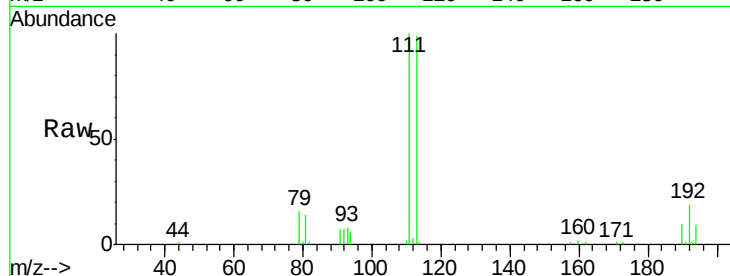




#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064947.D
Acq: 7 Dec 2020 16:00

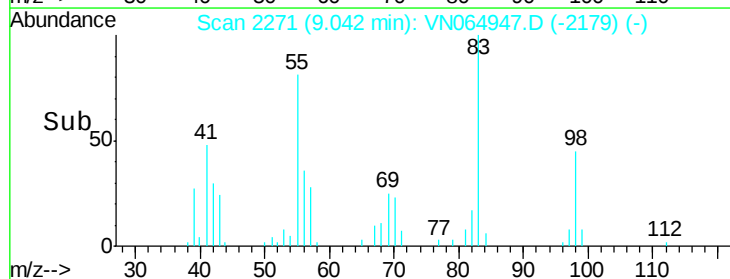
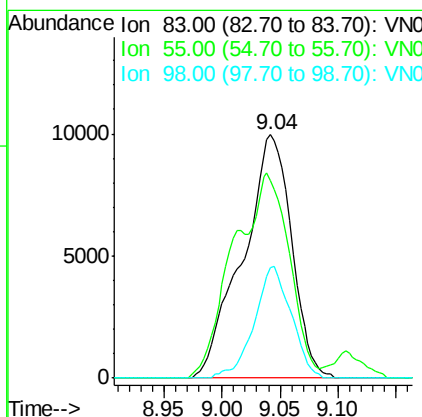
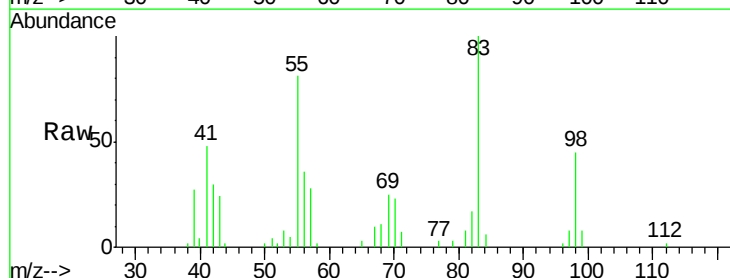
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6711-120220

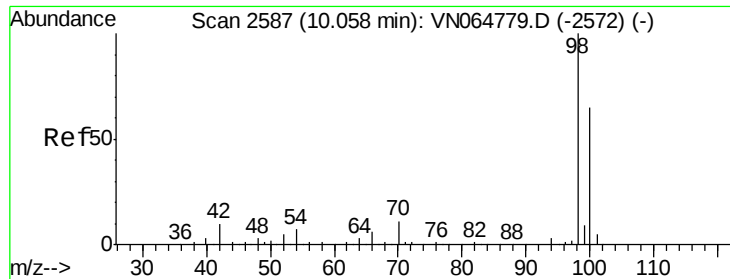
Tot Ion:113 Resp: 98947
Ion Ratio Lower Upper
113 100
111 104.7 81.6 122.4
192 19.5 16.2 24.2



#39
Methylcyclohexane
Concen: 9.183 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064947.D
Acq: 7 Dec 2020 16:00

Tgt Ion: 83 Resp: 29202
Ion Ratio Lower Upper
83 100
55 81.3 60.2 90.2
98 45.3 37.4 56.2





#50

Toluene-d8

Concen: 51.656 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

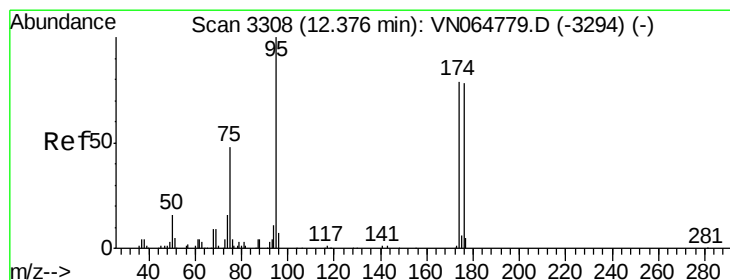
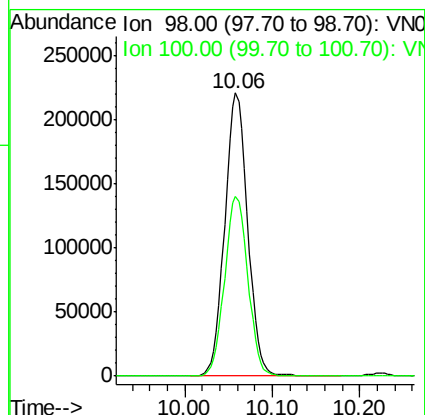
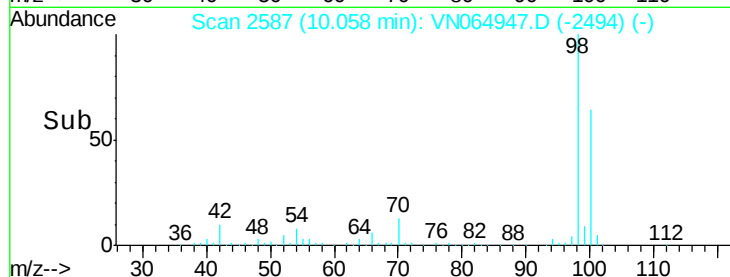
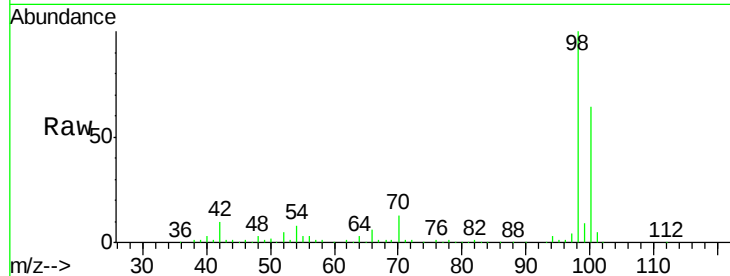
SS013-13-6711-120220

Tot Ion: 98 Resp: 402502

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 58.335 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

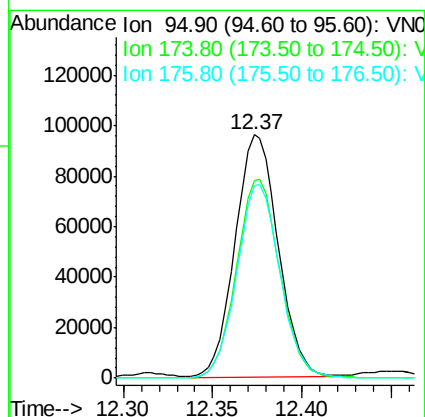
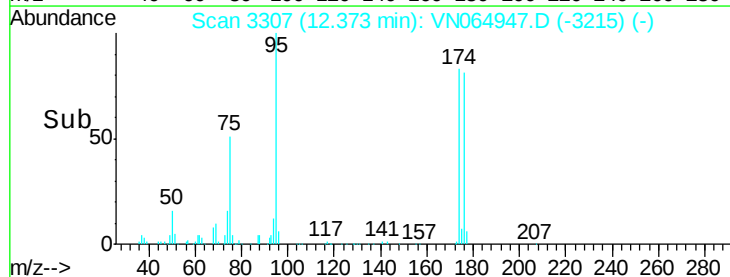
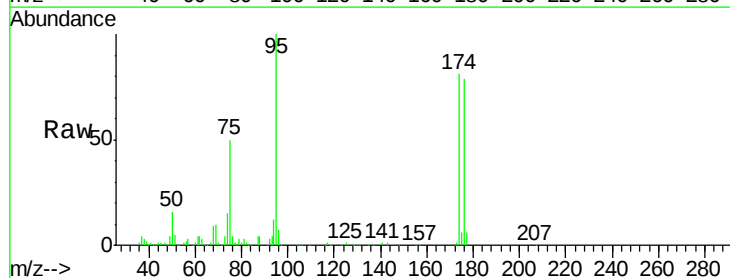
Tgt Ion: 95 Resp: 162674

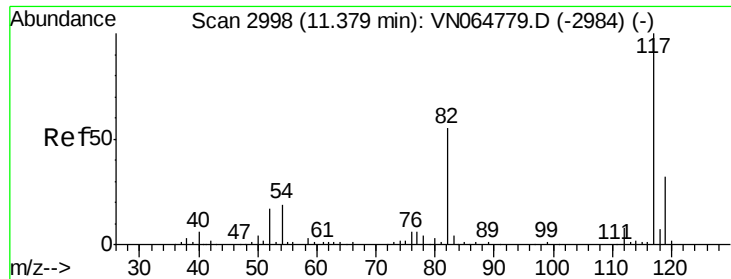
Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

176 79.9 0.0 158.4

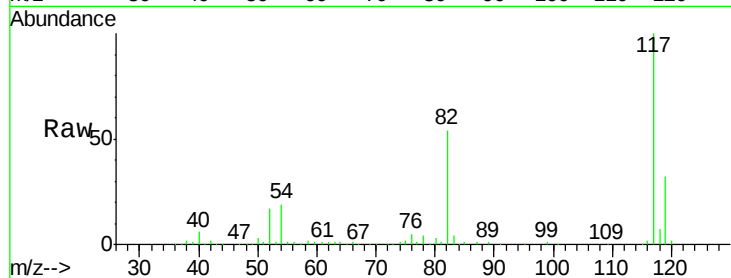




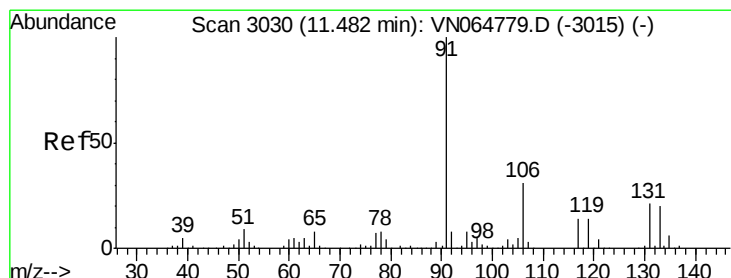
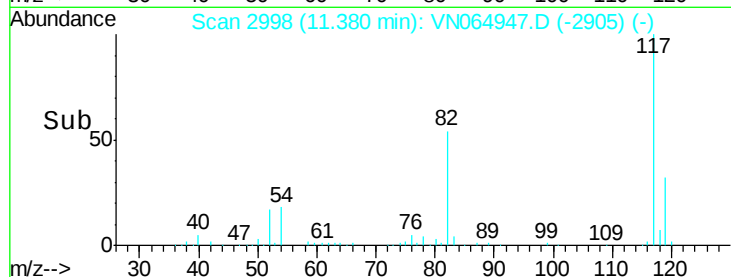
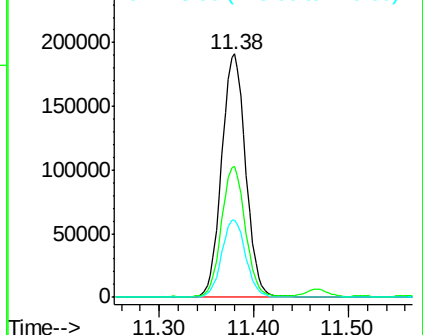
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064947.D
Acq: 7 Dec 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6711-120220

Tot Ion:117 Resp: 338464
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.9 25.8 38.6

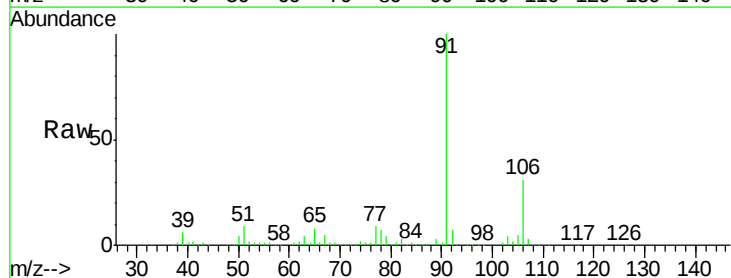


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

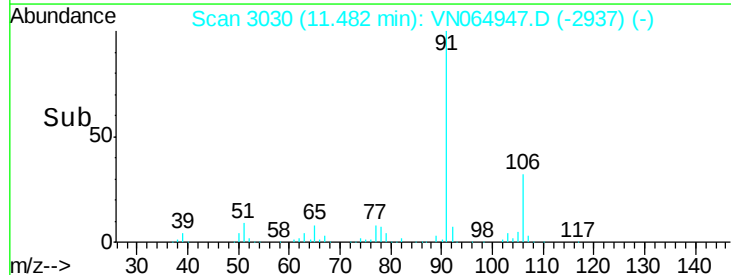
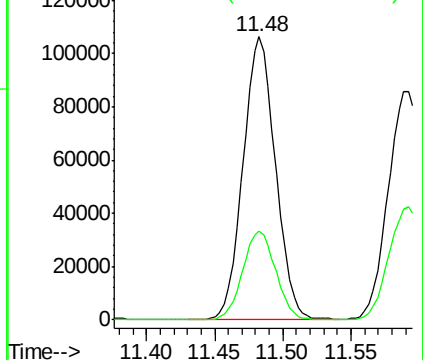


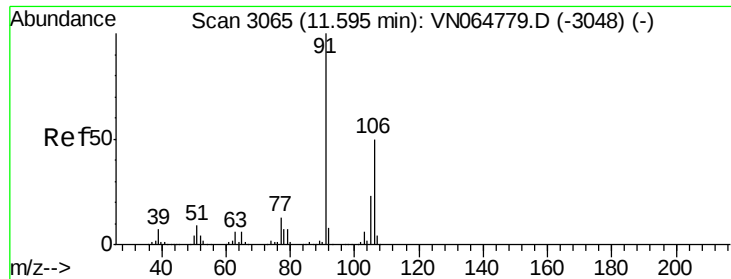
#67
Ethyl Benzene
Concen: 14.428 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064947.D
Acq: 7 Dec 2020 16:00

Tgt Ion: 91 Resp: 175189
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



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

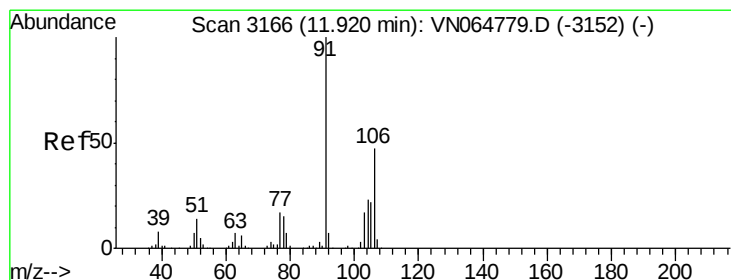
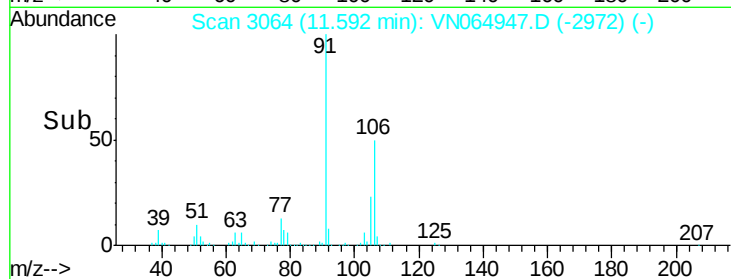
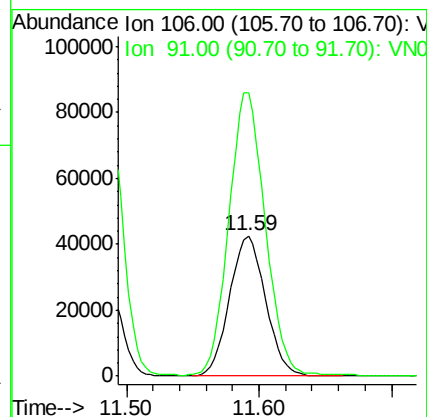
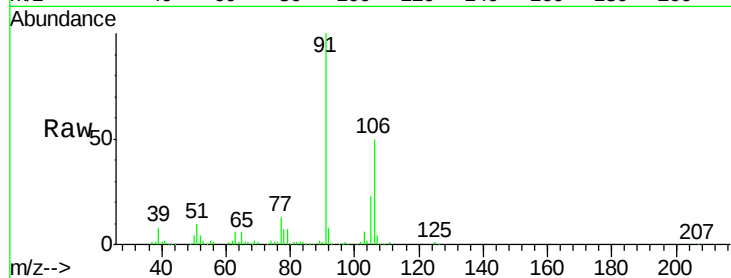




#68
m/p-Xylenes
Concen: 17.453 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064947.D
Acq: 7 Dec 2020 16:00

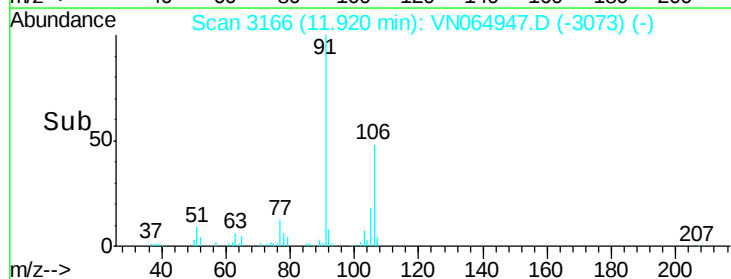
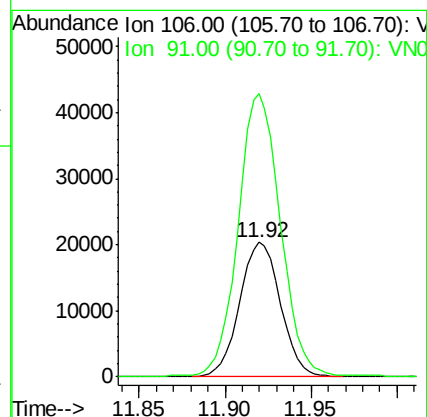
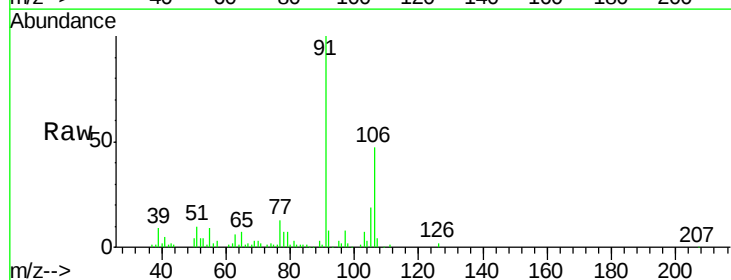
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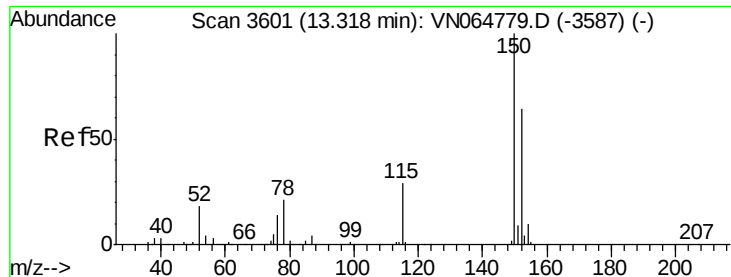
Tot Ion:106 Resp: 80237
Ion Ratio Lower Upper
106 100
91 204.2 161.0 241.4



#69
o-Xylene
Concen: 7.718 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064947.D
Acq: 7 Dec 2020 16:00

Tgt Ion:106 Resp: 33670
Ion Ratio Lower Upper
106 100
91 218.7 105.5 316.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6711-120220

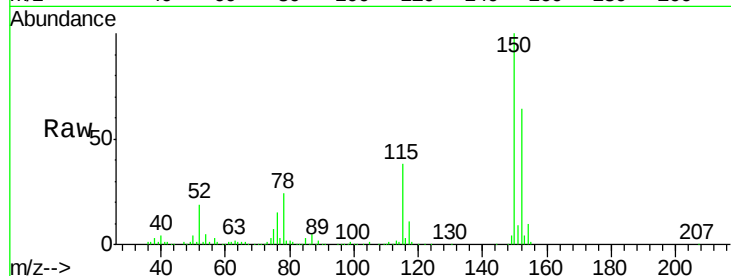
Tot Ion:152 Resp: 159568

Ion Ratio Lower Upper

152 100

115 63.2 29.7 89.1

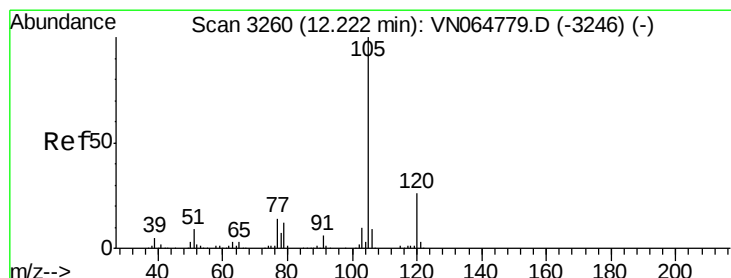
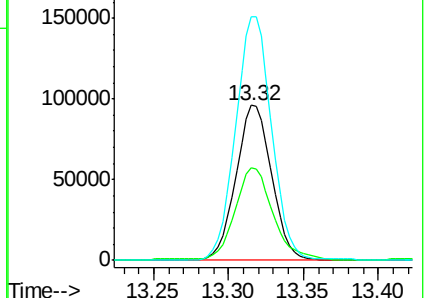
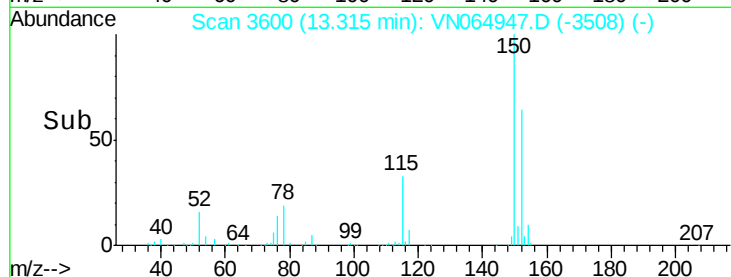
150 158.1 0.0 350.6



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: 20.271 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064947.D

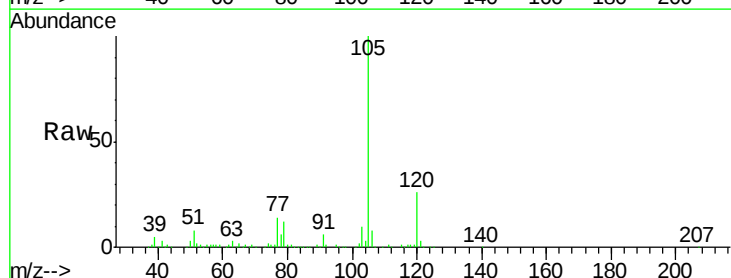
Acq: 7 Dec 2020 16:00

Tgt Ion:105 Resp: 224988

Ion Ratio Lower Upper

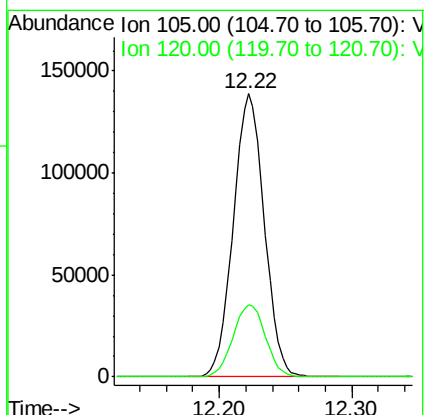
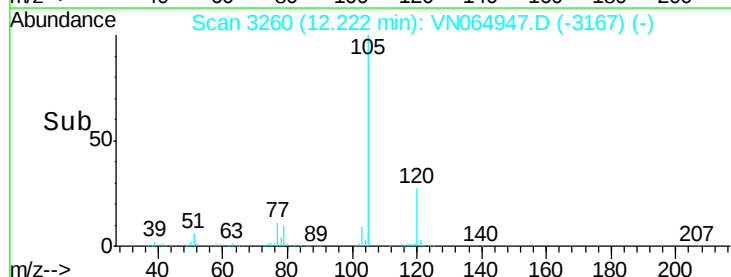
105 100

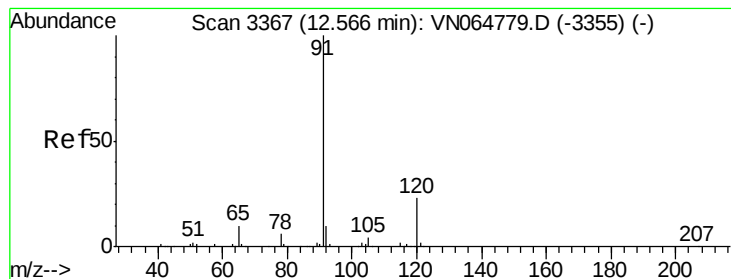
120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.495 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

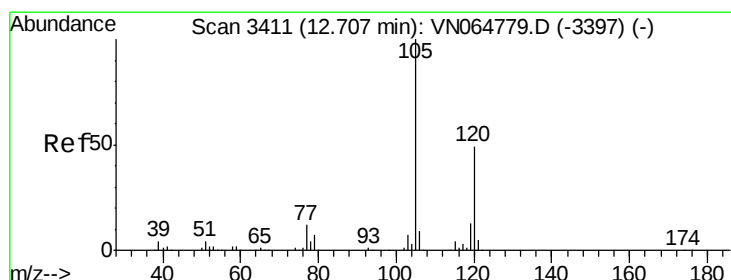
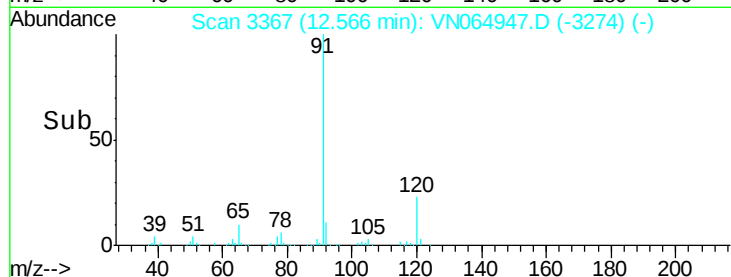
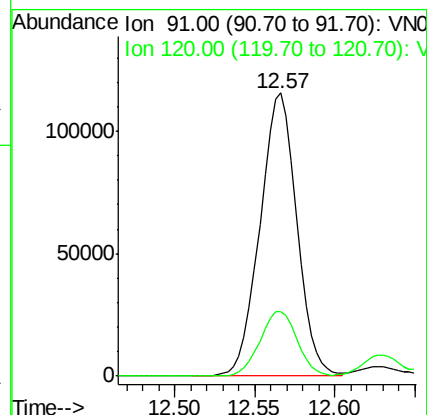
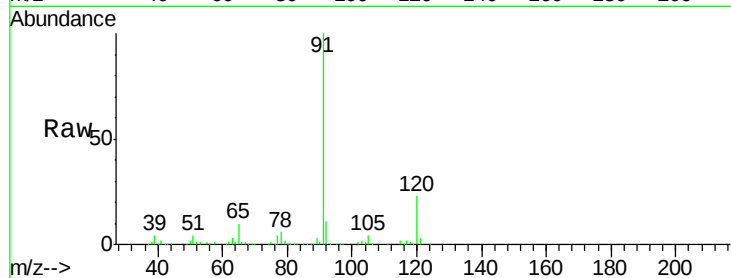
SS013-13-6711-120220

Tot Ion: 91 Resp: 183281

Ion Ratio Lower Upper

91 100

120 23.2 11.6 34.7



#80

1,3,5-Trimethylbenzene

Concen: 5.639 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064947.D

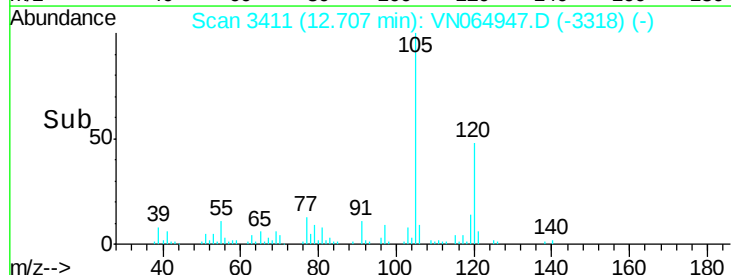
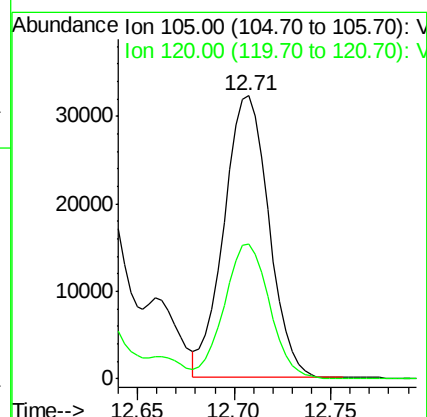
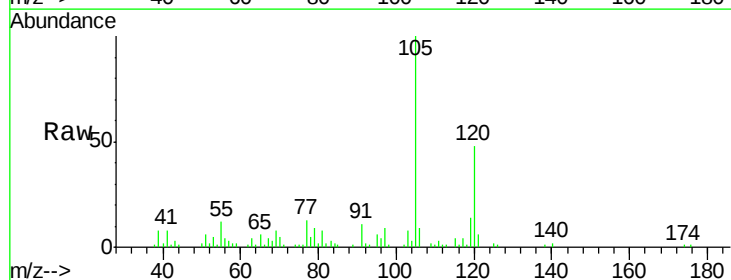
Acq: 7 Dec 2020 16:00

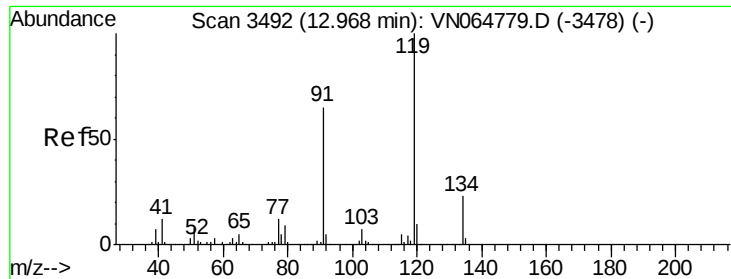
Tgt Ion:105 Resp: 52019

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.6

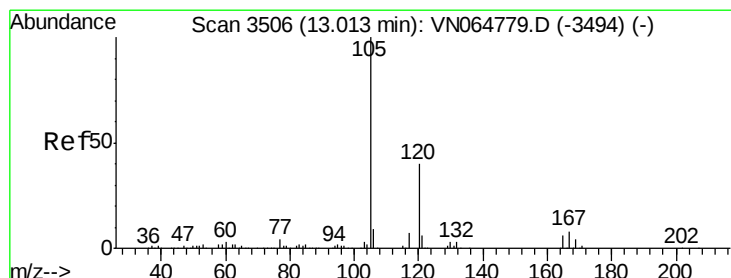
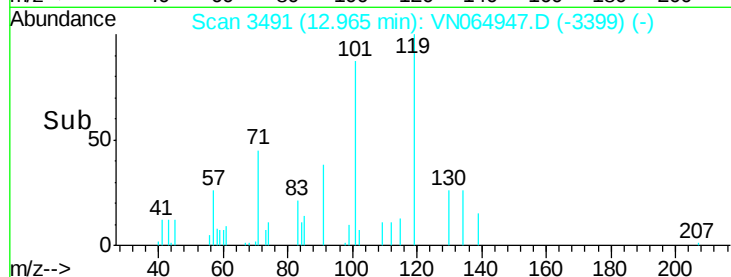
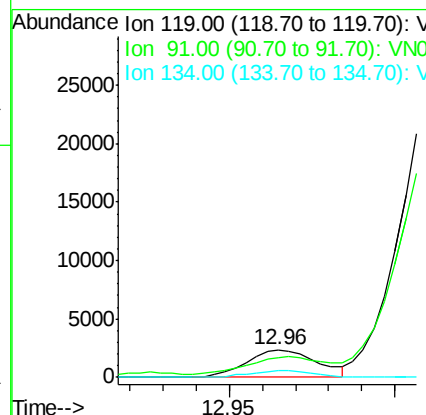
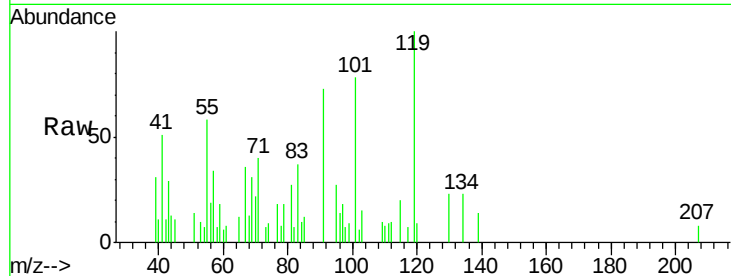




#83
 tert-Butylbenzene
 Concen: 0.446 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064947.D
 Acq: 7 Dec 2020 16:00

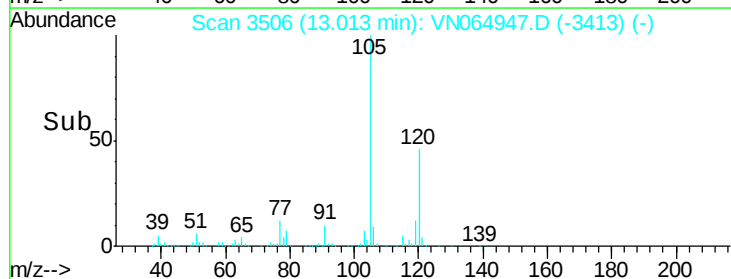
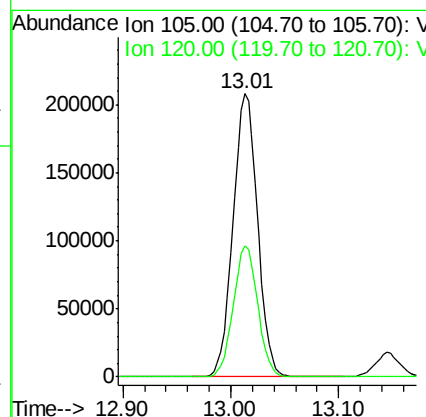
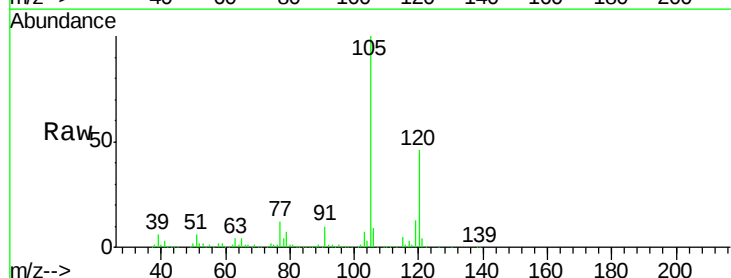
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6711-120220

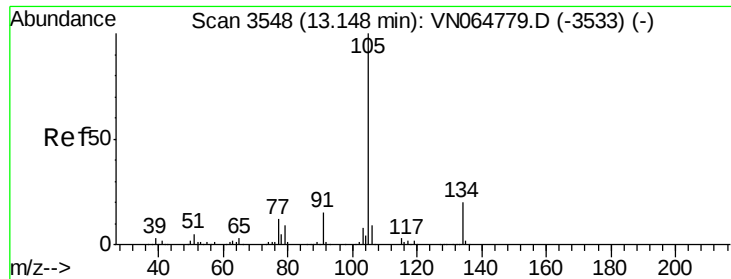
Tot Ion:119 Resp: 3447
 Ion Ratio Lower Upper
 119 100
 91 68.8 32.3 96.8
 134 20.0 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 35.436 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064947.D
 Acq: 7 Dec 2020 16:00

Tgt Ion:105 Resp: 330534
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 2.671 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

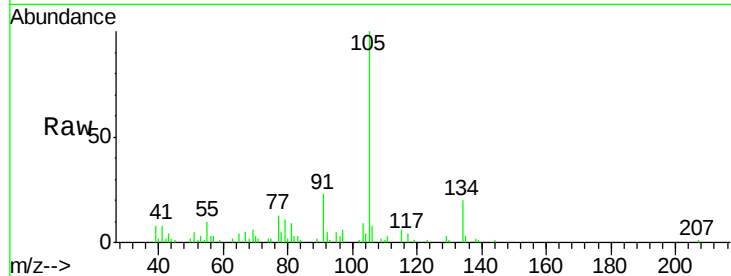
SS013-13-6711-120220

Tot Ion:105 Resp: 27423

Ion Ratio Lower Upper

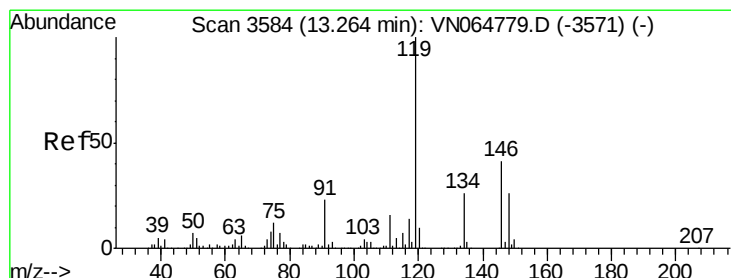
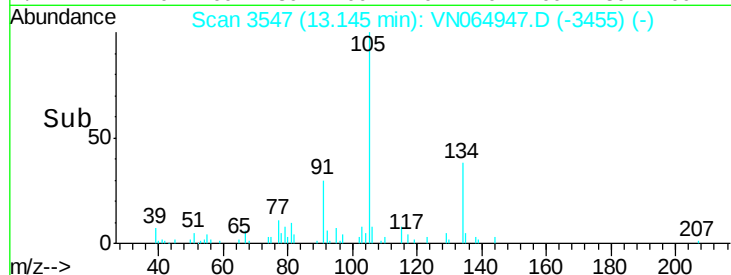
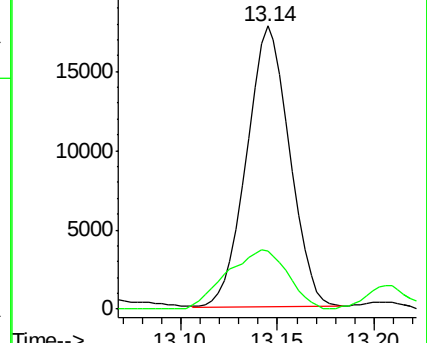
105 100

134 29.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.106 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

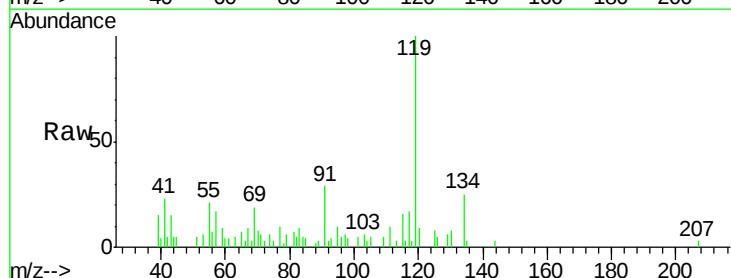
Tgt Ion:119 Resp: 10341

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

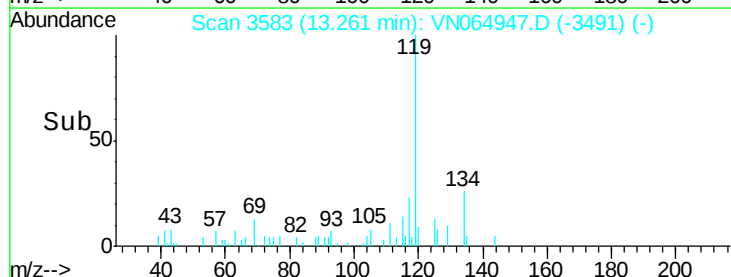
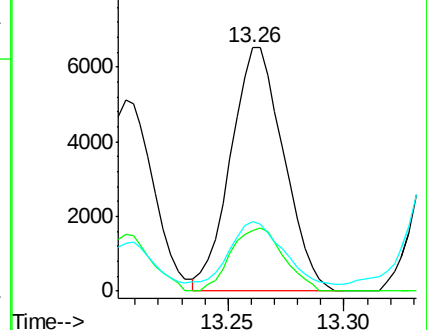
91 24.8 11.5 34.5

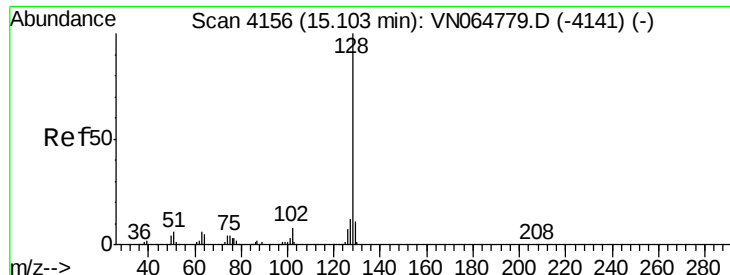


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 16.372 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064947.D

Acq: 7 Dec 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6711-120220

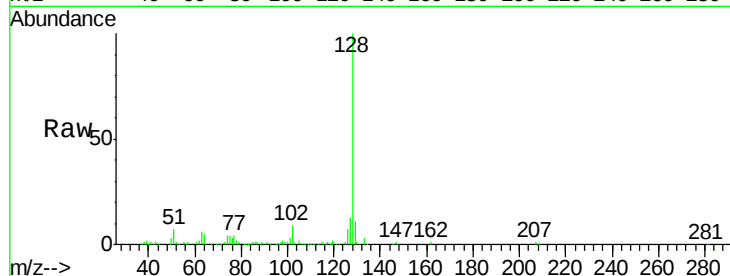
Tot Ion:128 Resp: 158388

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.8 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

