

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064930.D
 Acq On : 4 Dec 2020 19:43
 Operator : JC/MD
 Sample : L4954-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220

Quant Time: Dec 05 03:25:54 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	189991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	330139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	341337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167423	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	108138	48.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.92%	
35) Dibromofluoromethane		7.55	113	100619	50.93	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.86%	
50) Toluene-d8		10.06	98	449640	55.71	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	111.42%	
62) 4-Bromofluorobenzene		12.37	95	170601	59.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.12%	

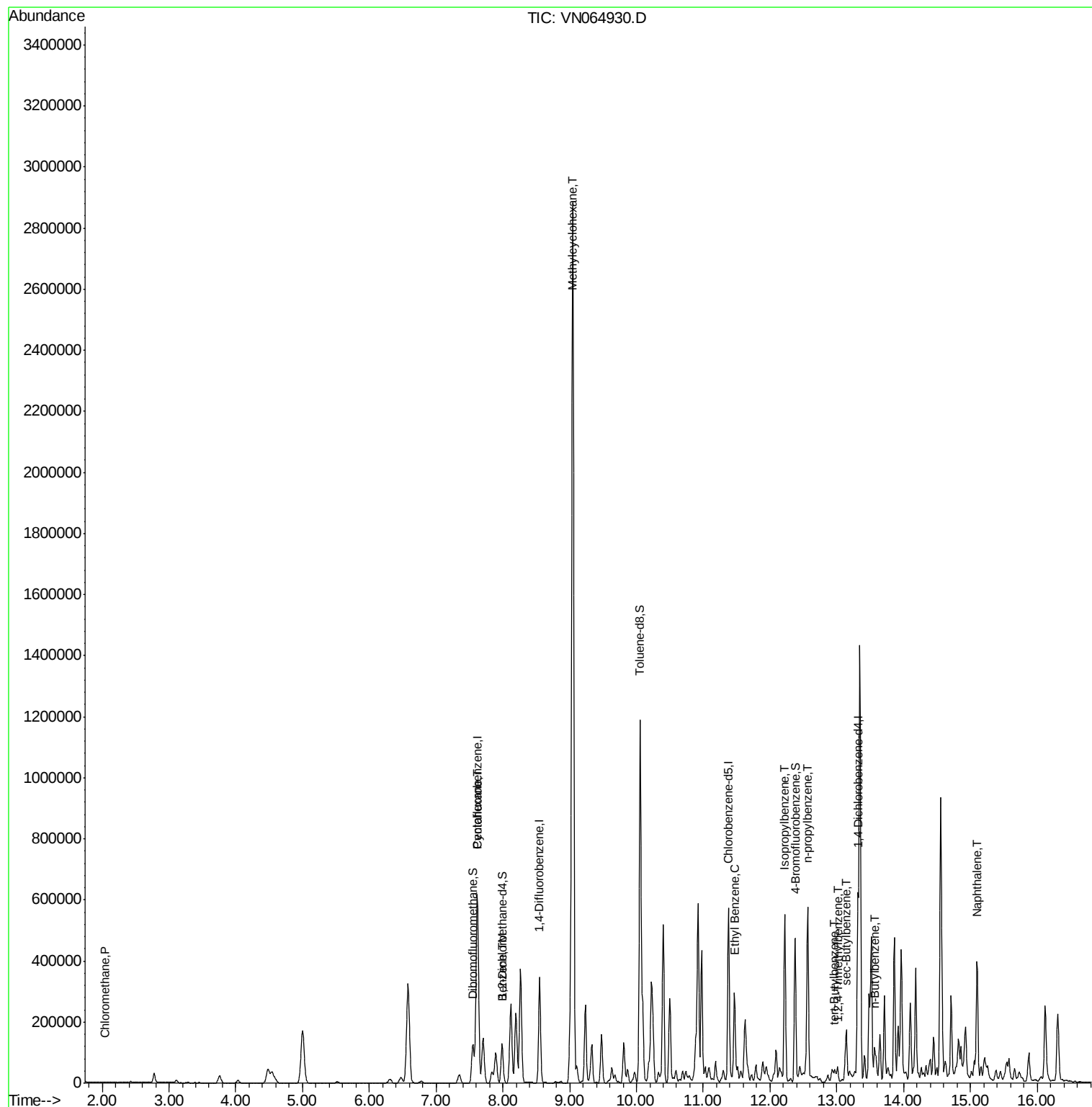
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	885	0.414	ug/l #	88
31) Cyclohexane	7.61	56	273977	88.997	ug/l	98
39) Methylcyclohexane	9.05	83	1398143	424.430	ug/l	97
40) Benzene	8.00	78	2139	0.228	ug/l #	78
67) Ethyl Benzene	11.48	91	18528	1.513	ug/l	97
73) Isopropylbenzene	12.22	105	371180	31.873	ug/l	100
78) n-propylbenzene	12.57	91	463903	34.968	ug/l	98
83) tert-Butylbenzene	12.97	119	15576	1.920	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	23623	2.414	ug/l	100
85) sec-Butylbenzene	13.14	105	103293	9.589	ug/l	82
89) n-Butylbenzene	13.59	91	43073	5.001	ug/l #	75
95) Naphthalene	15.10	128	341081	33.603	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: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

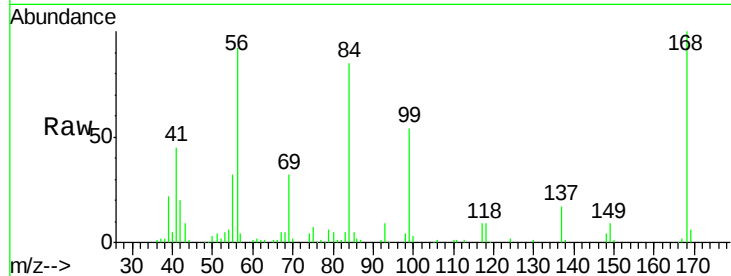
SS013-13-6702-120220

Tot Ion:168 Resp: 189991

Ion Ratio Lower Upper

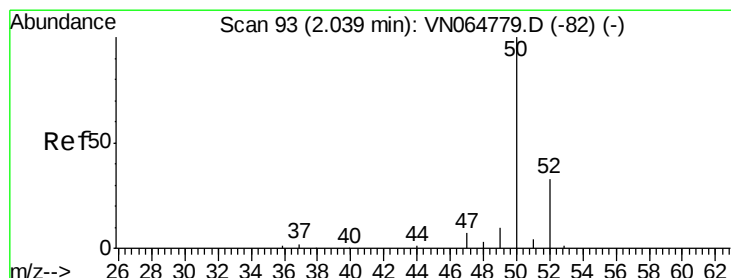
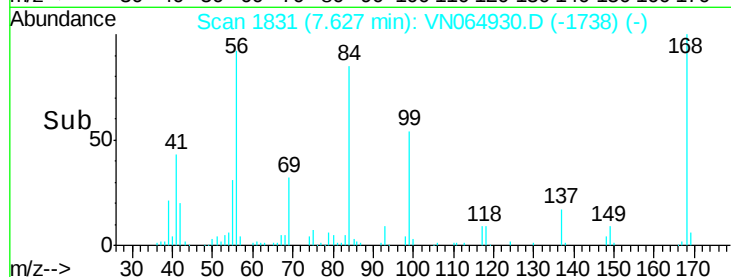
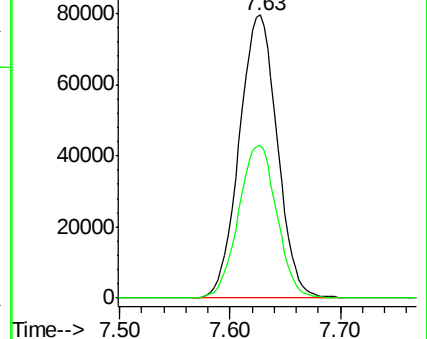
168 100

99 53.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)



#3

Chloromethane

Concen: 0.414 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064930.D

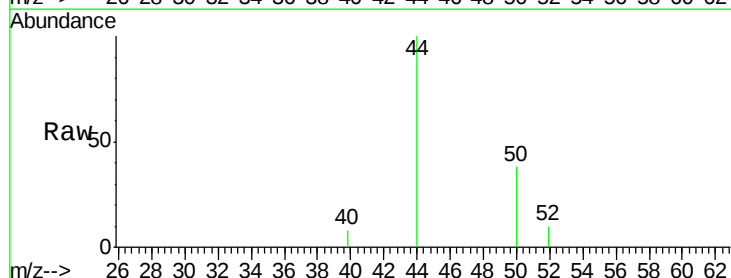
Acq: 4 Dec 2020 19:43

Tgt Ion: 50 Resp: 885

Ion Ratio Lower Upper

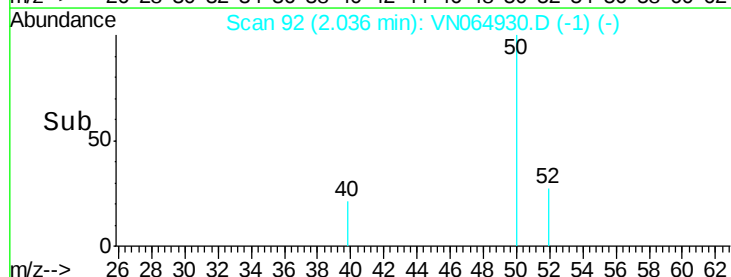
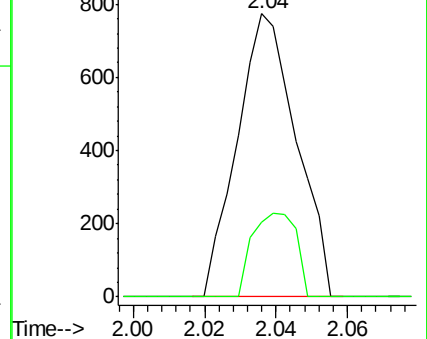
50 100

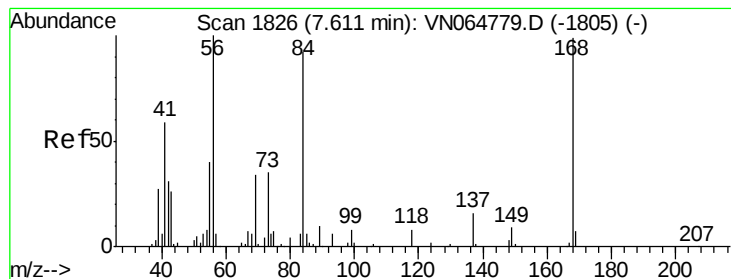
52 26.5 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VN064779.D (-82) (-)

Ion 51.90 (51.60 to 52.60): VN064779.D (-82) (-)





#31

Cyclohexane

Concen: 88.997 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

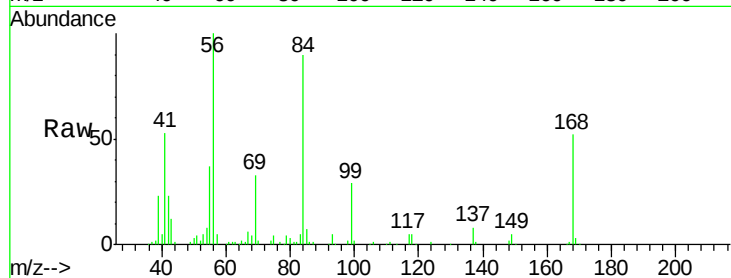
Tot Ion: 56 Resp: 273977

Ion Ratio Lower Upper

56 100

69 32.7 27.5 41.3

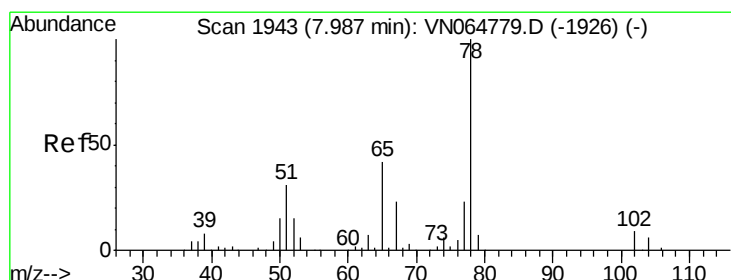
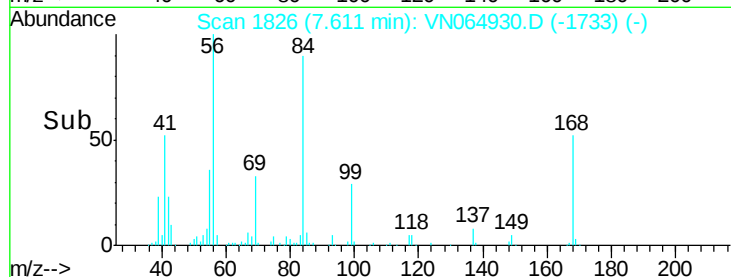
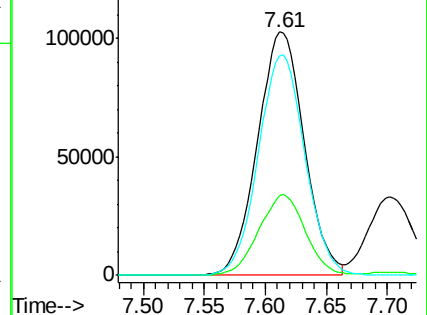
84 90.2 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN064930.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064930.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064930.D (-1733) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.958 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064930.D

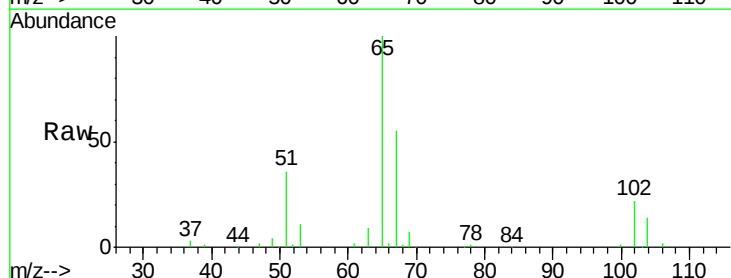
Acq: 4 Dec 2020 19:43

Tgt Ion: 65 Resp: 108138

Ion Ratio Lower Upper

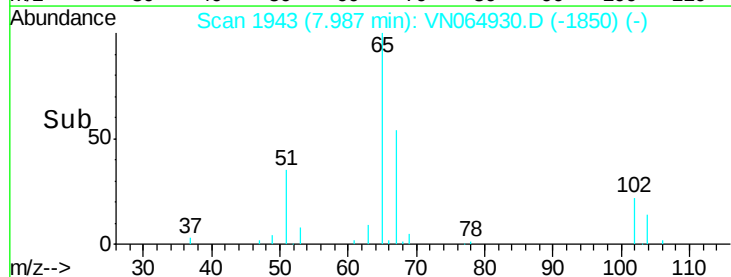
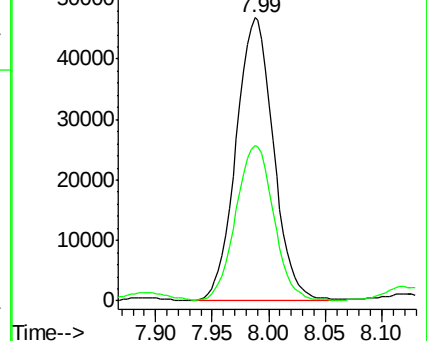
65 100

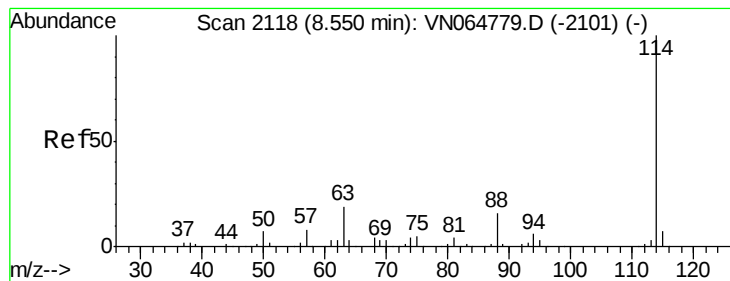
67 55.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064930.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064930.D (-1850) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

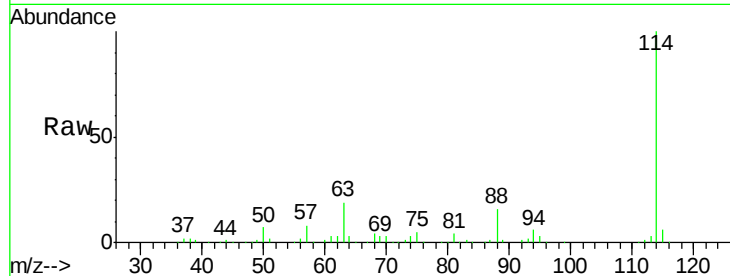
Tot Ion:114 Resp: 330139

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

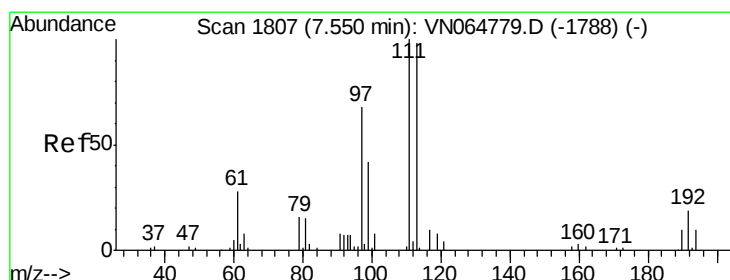
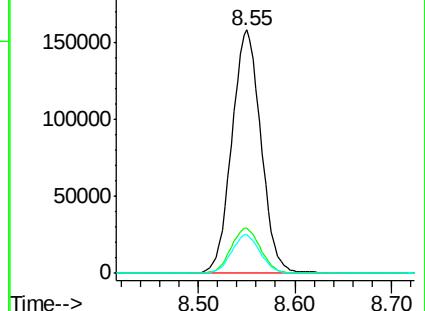
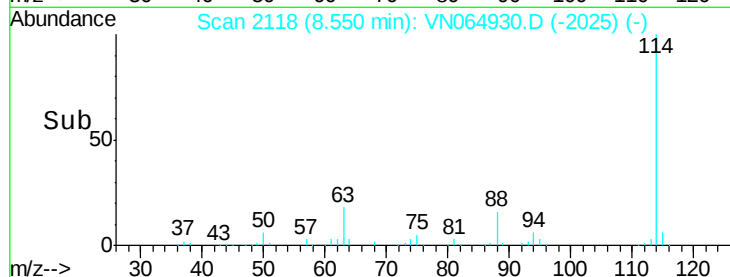
88 15.7 0.0 32.6



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: 50.935 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

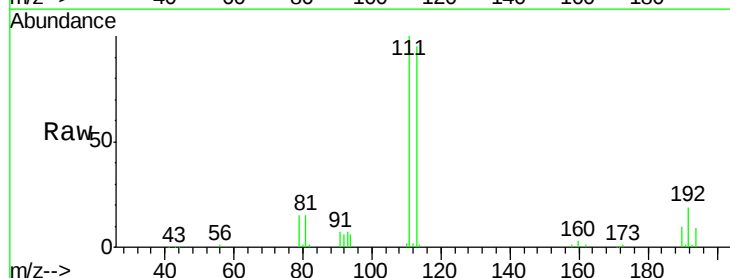
Tgt Ion:113 Resp: 100619

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

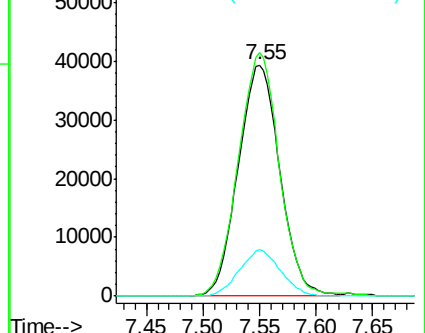
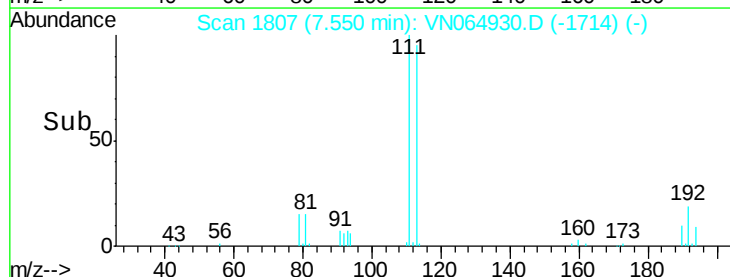
192 19.6 16.2 24.2

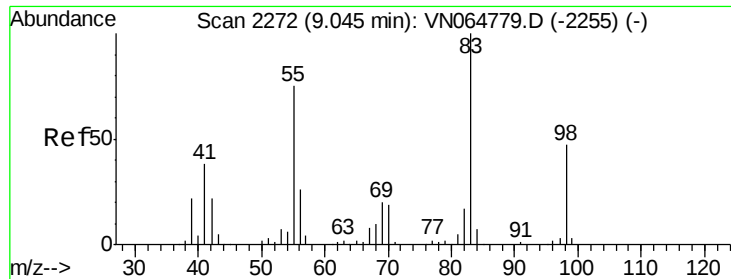


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

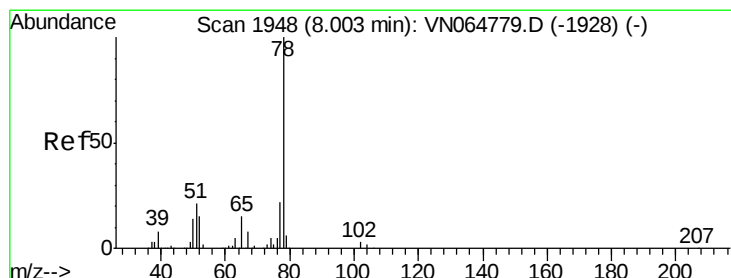
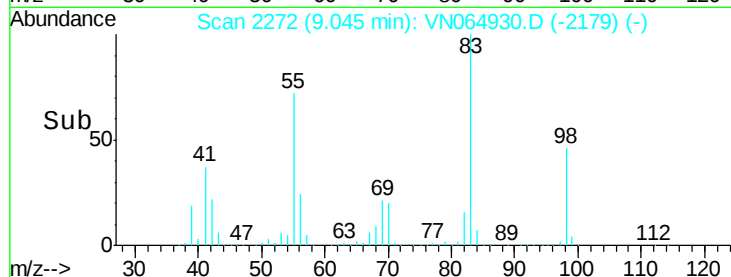
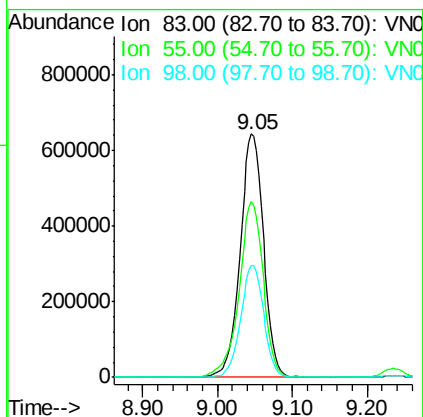
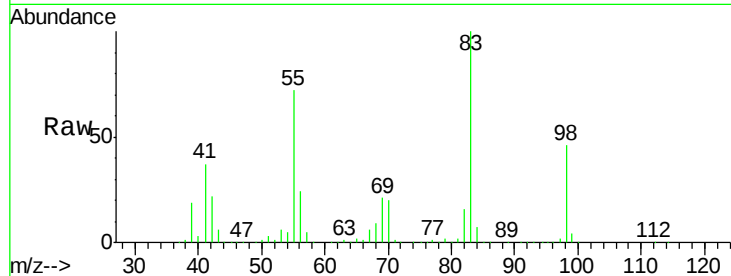




#39
Methvlcvclohexane
Concen: 424.430 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

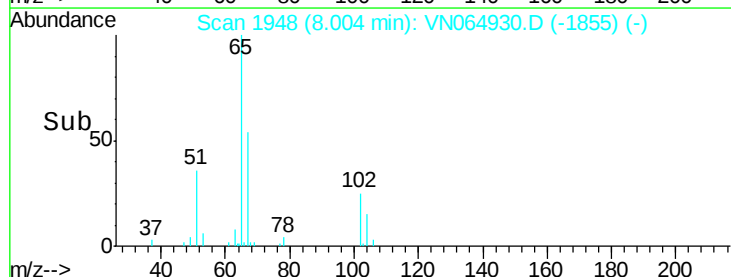
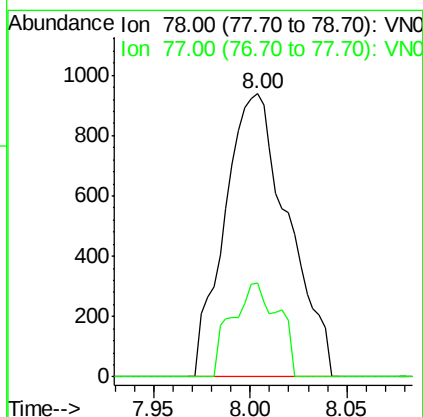
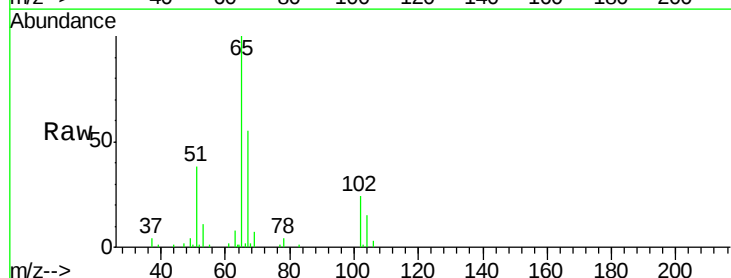
Instrument :
MSVOA_N
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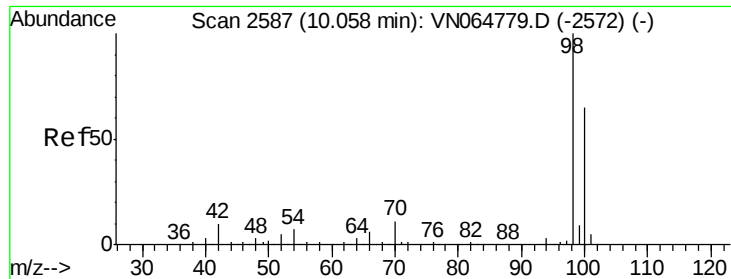
Tot Ion: 83 Resp: 1398143
Ion Ratio Lower Upper
83 100
55 72.1 60.2 90.2
98 46.1 37.4 56.2



#40
Benzene
Concen: 0.228 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 78 Resp: 2139
Ion Ratio Lower Upper
78 100
77 33.0 17.9 26.9#





#50

Toluene-d8

Concen: 55.707 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

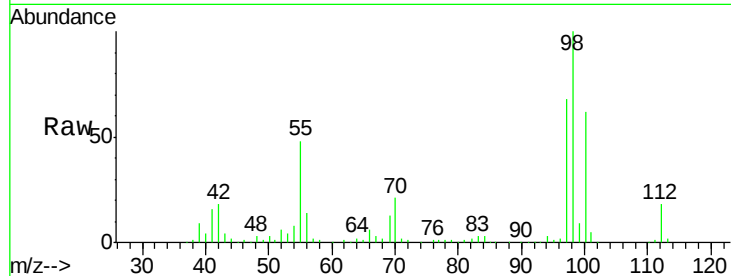
SS013-13-6702-120220

Tot Ion: 98 Resp: 449640

Ion Ratio Lower Upper

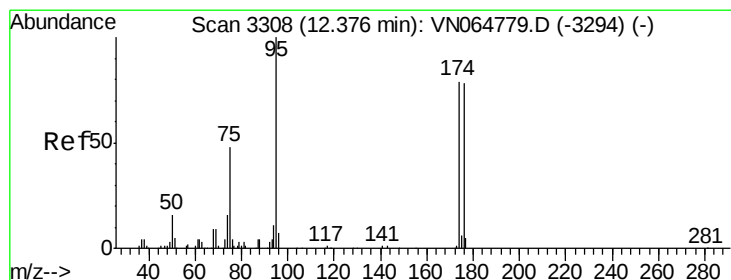
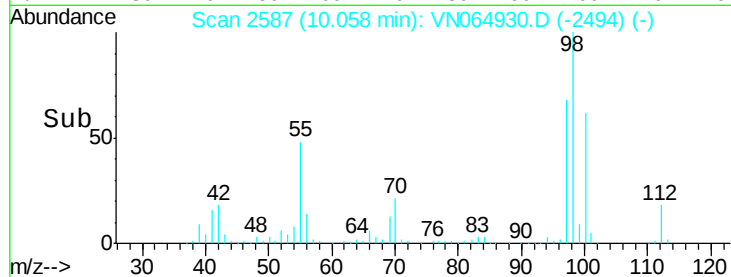
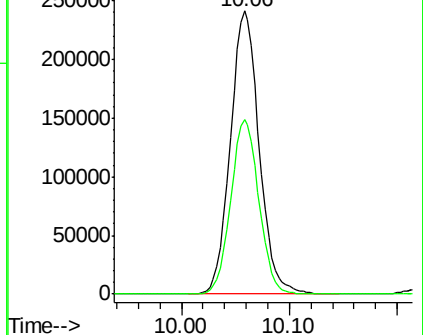
98 100

100 60.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)



#62

4-Bromofluorobenzene

Concen: 59.059 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

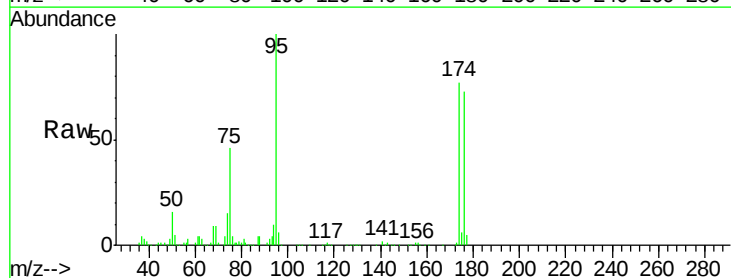
Tgt Ion: 95 Resp: 170601

Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.4

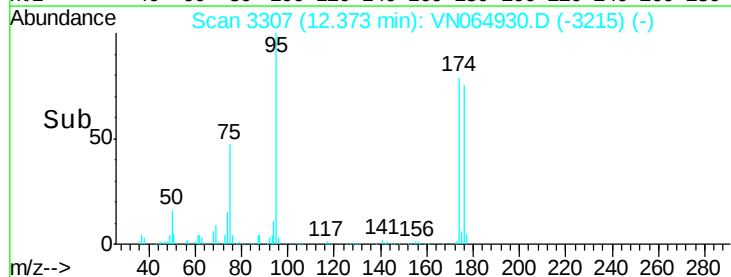
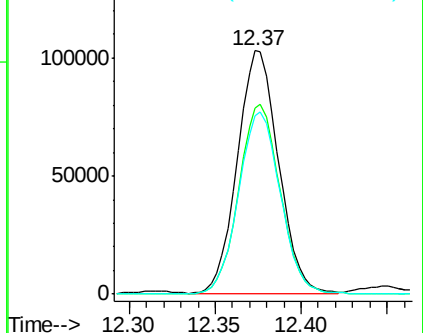
176 76.7 0.0 158.4

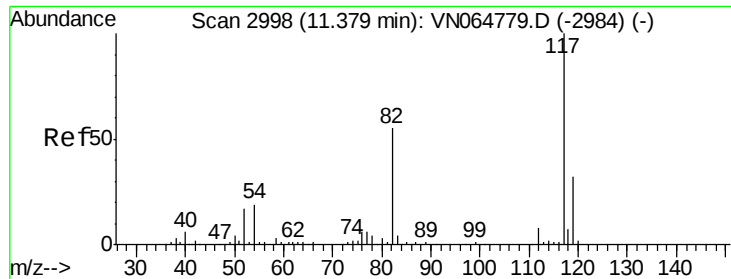


Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

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

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

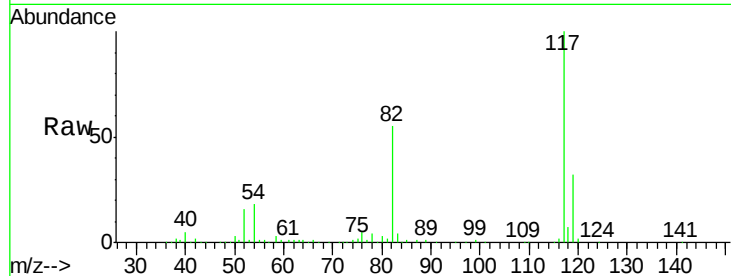




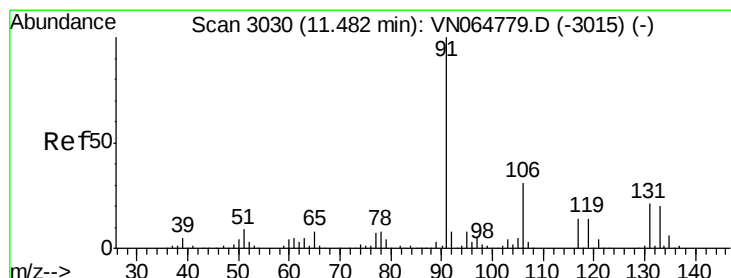
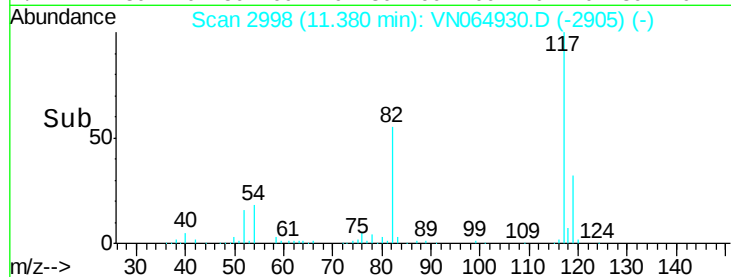
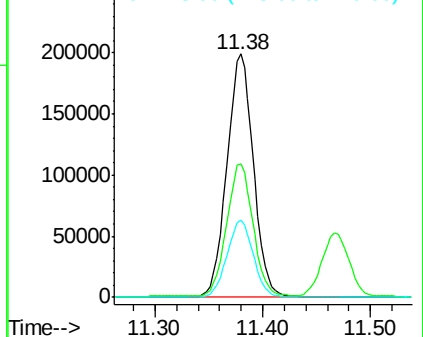
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Instrument :
MSVOA_N
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Tot Ion:117 Resp: 341337
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.5 25.8 38.6

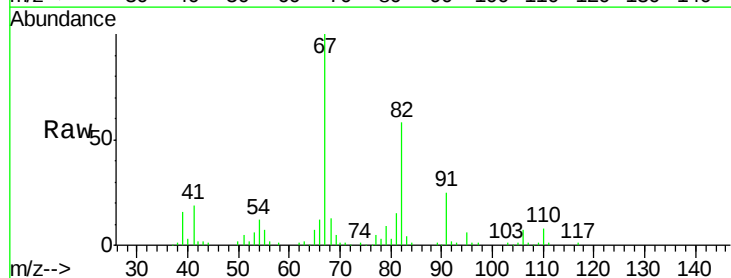


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

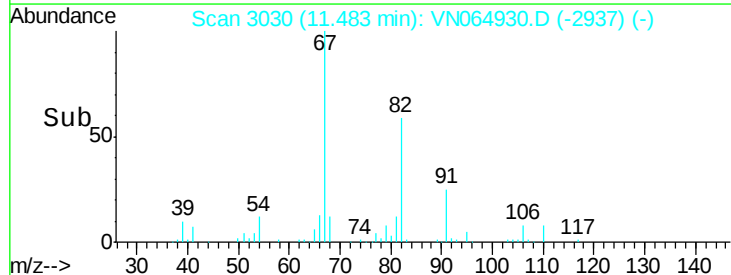
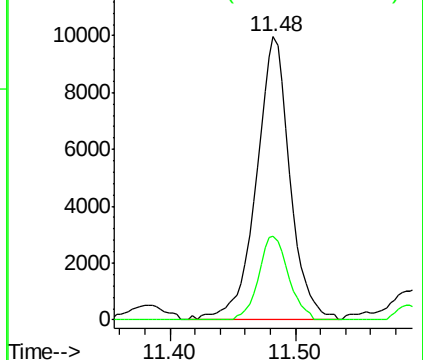


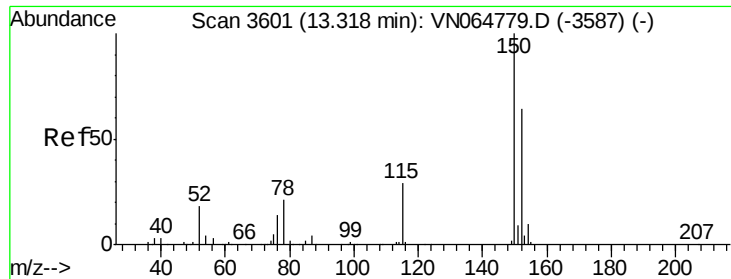
#67
Ethyl Benzene
Concen: 1.513 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 91 Resp: 18528
Ion Ratio Lower Upper
91 100
106 29.6 25.2 37.8



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

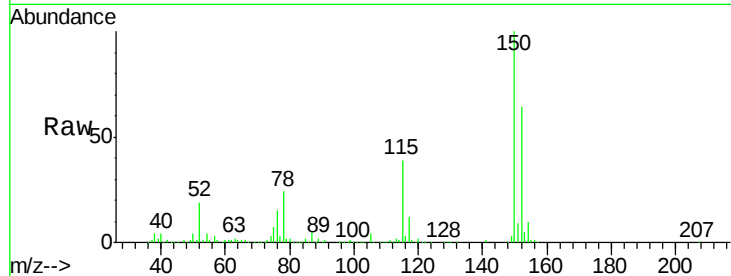
Tot Ion:152 Resp: 167423

Ion Ratio Lower Upper

152 100

115 84.3 29.7 89.1

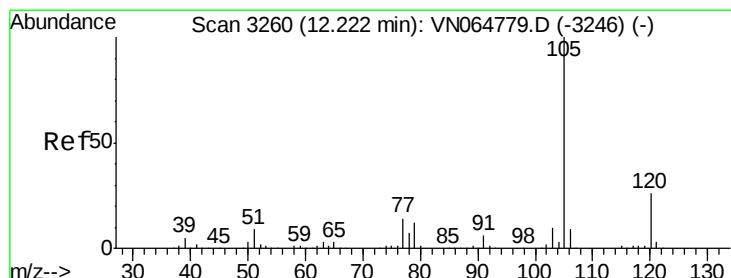
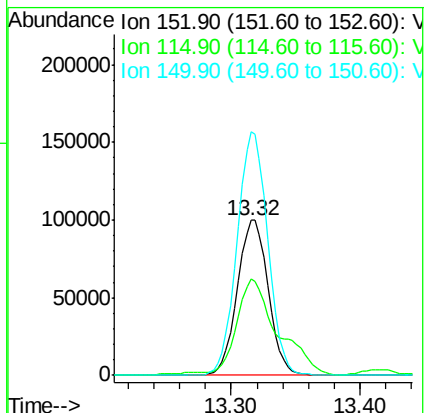
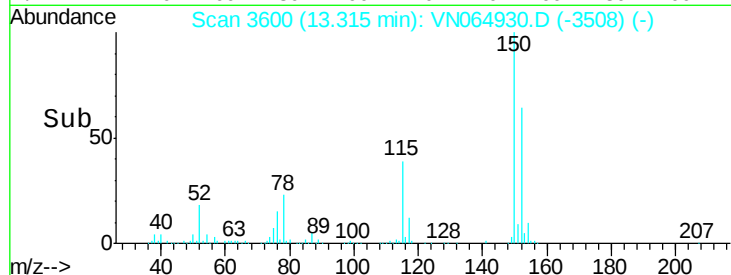
150 154.9 0.0 350.6



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: 31.873 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064930.D

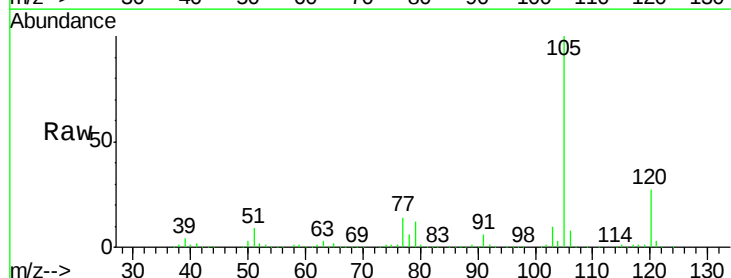
Acq: 4 Dec 2020 19:43

Tgt Ion:105 Resp: 371180

Ion Ratio Lower Upper

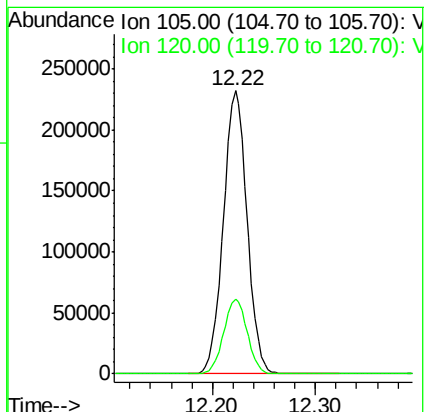
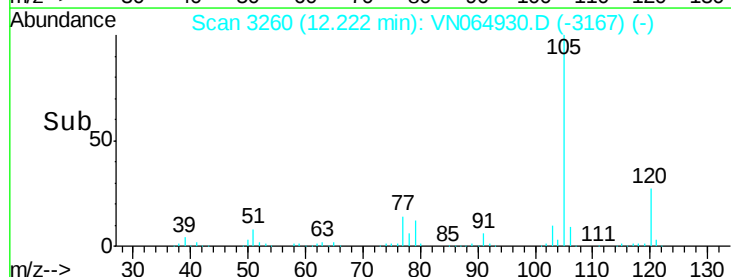
105 100

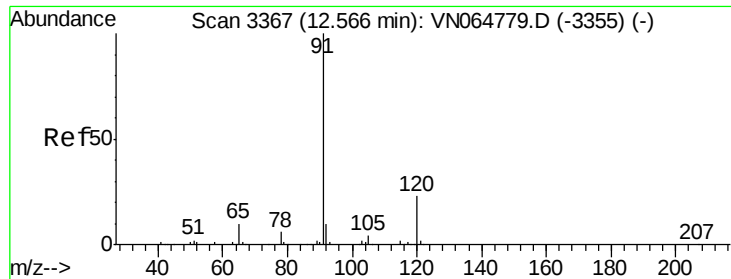
120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

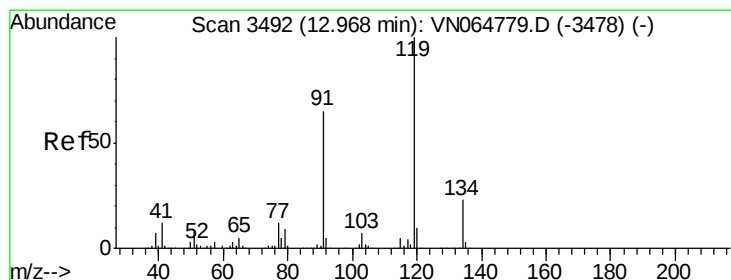
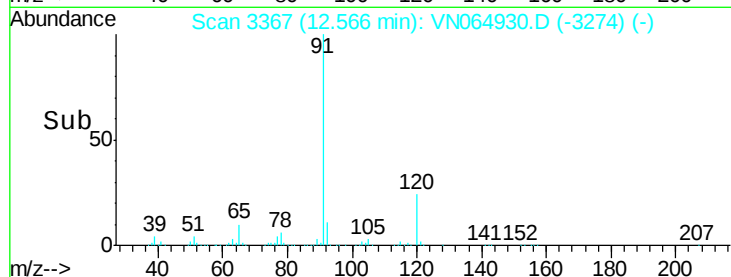
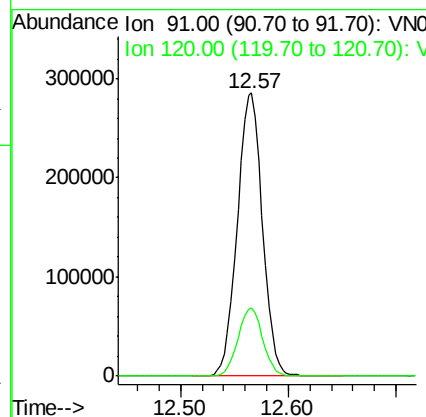
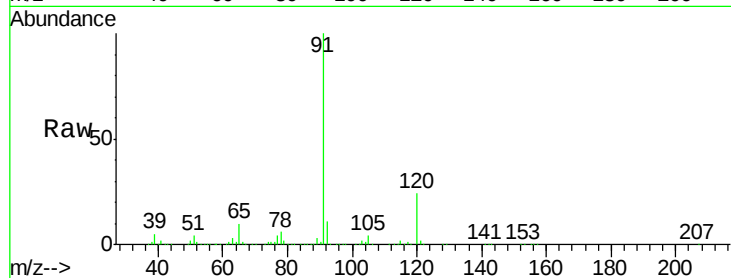




#78
n-propylbenzene
Concen: 34.968 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

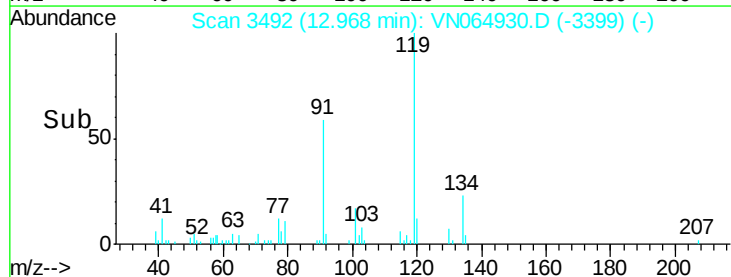
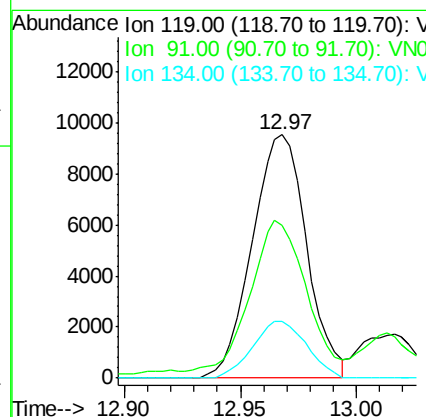
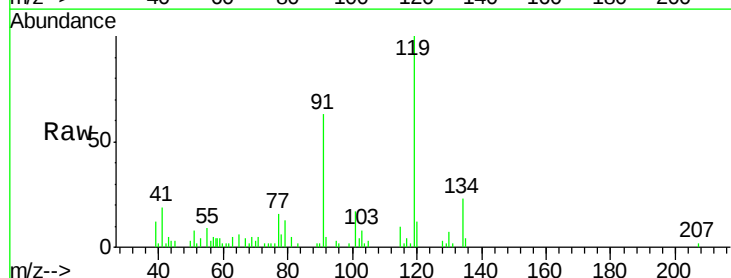
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220

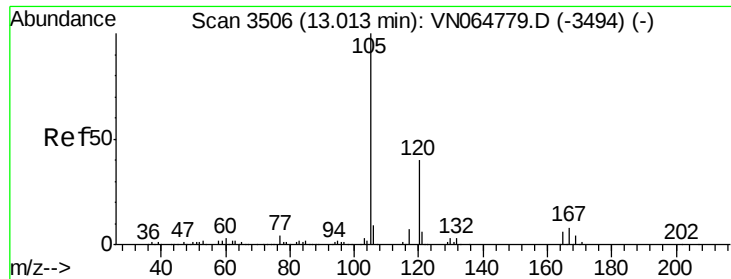
Tot Ion: 91 Resp: 463903
Ion Ratio Lower Upper
91 100
120 24.0 11.6 34.7



#83
tert-Butylbenzene
Concen: 1.920 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064930.D
Acq: 4 Dec 2020 19:43

Tgt Ion: 119 Resp: 15576
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.8
134 23.2 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 2.414 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

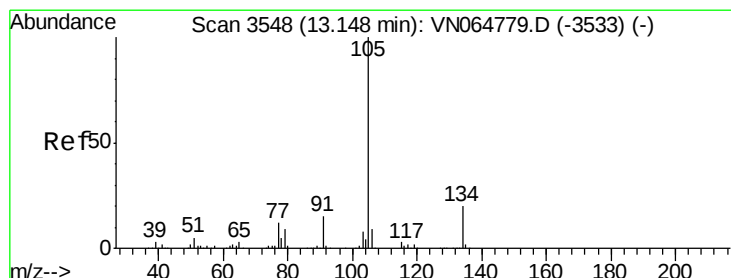
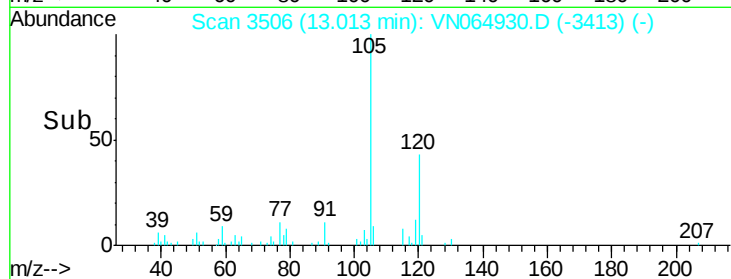
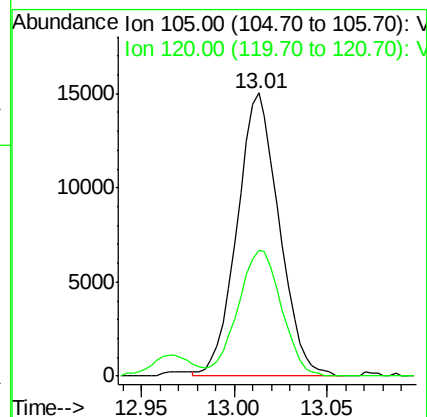
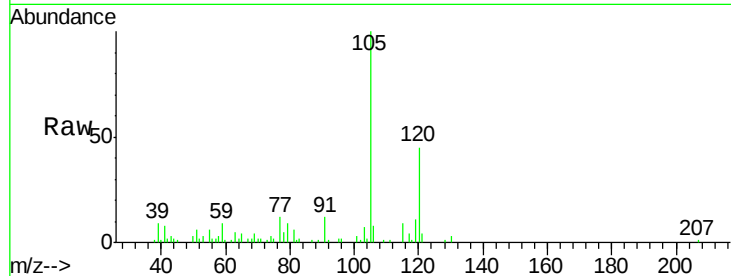
SS013-13-6702-120220

Tot Ion:105 Resp: 23623

Ion Ratio Lower Upper

105 100

120 46.0 23.1 69.2



#85

sec-Butylbenzene

Concen: 9.589 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064930.D

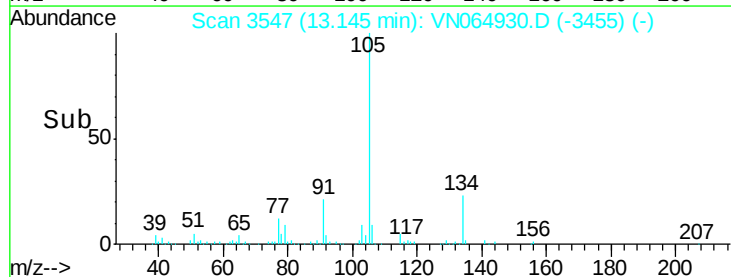
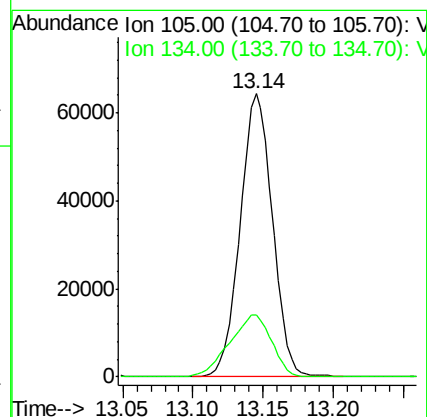
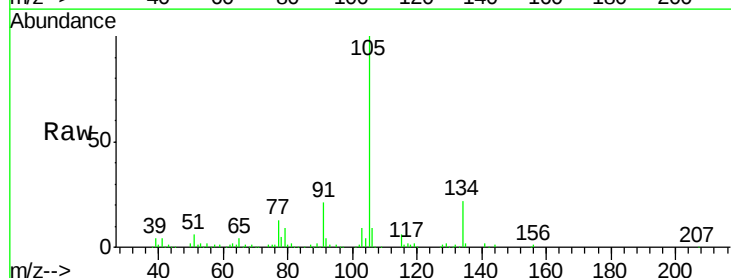
Acq: 4 Dec 2020 19:43

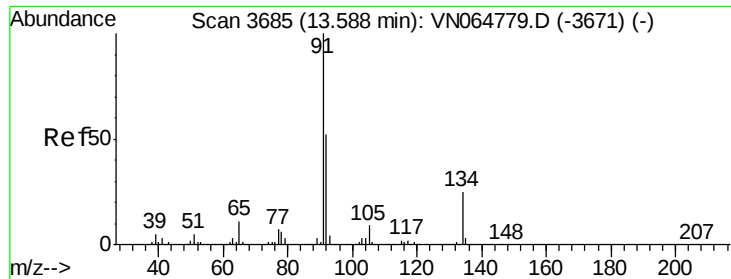
Tgt Ion:105 Resp: 103293

Ion Ratio Lower Upper

105 100

134 28.3 10.1 30.1





#89

n-Butylbenzene

Concen: 5.001 ug/l

RT: 13.59 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220

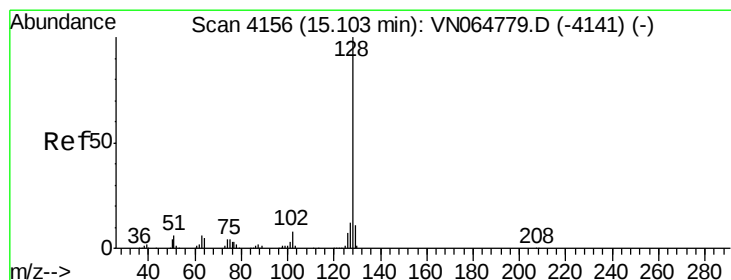
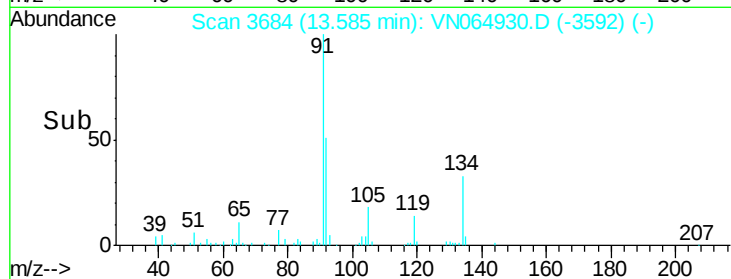
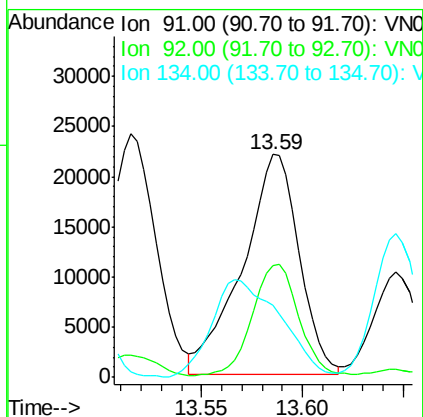
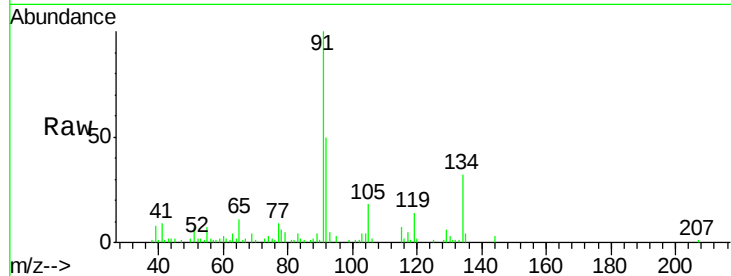
Tot Ion: 91 Resp: 43073

Ion Ratio Lower Upper

91 100

92 43.4 26.0 78.0

134 0.0 12.9 38.6#



#95

Naphthalene

Concen: 33.603 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064930.D

Acq: 4 Dec 2020 19:43

Tgt Ion: 128 Resp: 341081

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1

