

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064944.D
 Acq On : 7 Dec 2020 14:47
 Operator : JC/MD
 Sample : L4954-15RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 08 08:11:04 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	197587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	339941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	352517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	110895	48.28	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.56%
35) Dibromofluoromethane	7.55	113	102295	50.29	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.58%
50) Toluene-d8	10.06	98	465804	56.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	112.10%
62) 4-Bromofluorobenzene	12.37	95	172259	57.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.82%

Target Compounds

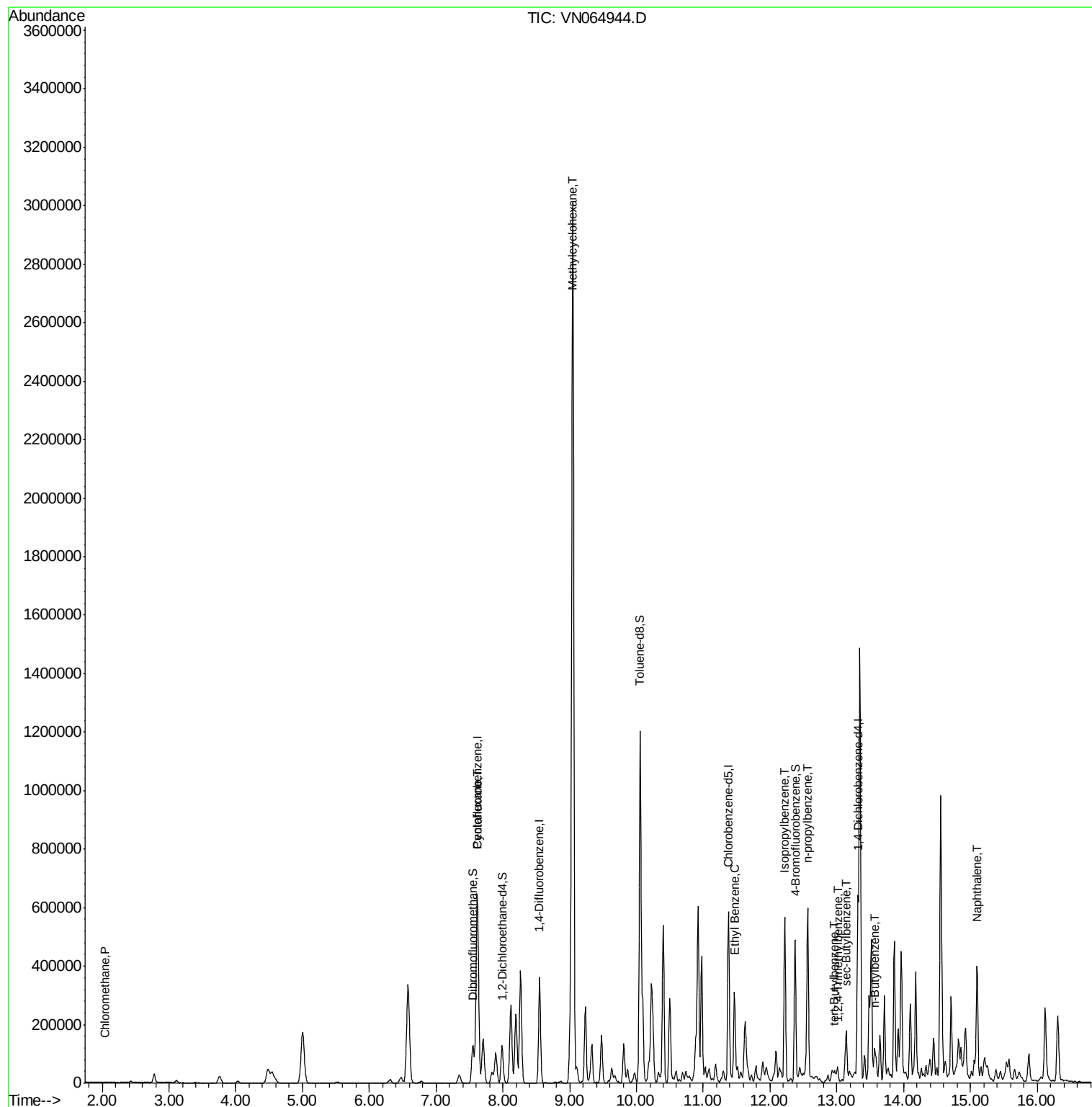
					Qvalue
3) Chloromethane	2.04	50	843	0.379	ug/l 92
31) Cyclohexane	7.61	56	286812	89.585	ug/l 96
39) Methylcyclohexane	9.05	83	1455853	429.206	ug/l 97
67) Ethyl Benzene	11.48	91	18557	1.467	ug/l 97
73) Isopropylbenzene	12.22	105	381004	32.480	ug/l 100
78) n-propylbenzene	12.56	91	479510	35.883	ug/l 100
83) tert-Butylbenzene	12.97	119	16115	1.972	ug/l 96
84) 1,2,4-Trimethylbenzene	13.01	105	24791	2.515	ug/l 97
85) sec-Butylbenzene	13.14	105	105504	9.723	ug/l 81
89) n-Butylbenzene	13.59	91	44051	5.078	ug/l # 73
95) Naphthalene	15.10	128	348201	34.056	ug/l 100

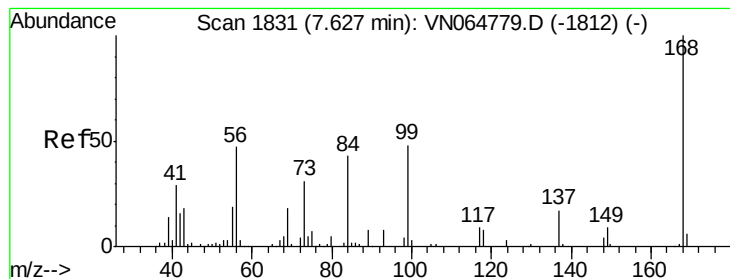
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
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: VN064944.D

Acq: 7 Dec 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

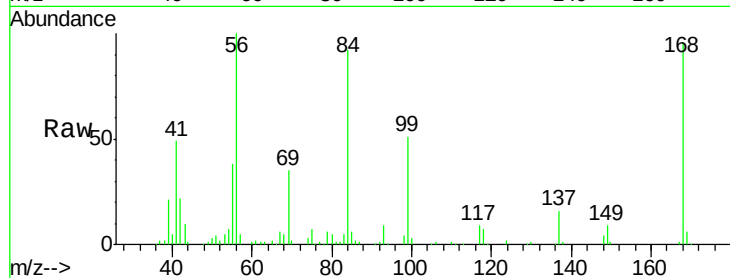
SS013-13-6702-120220RE

Tot Ion:168 Resp: 197587

Ion Ratio Lower Upper

168 100

99 53.1 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

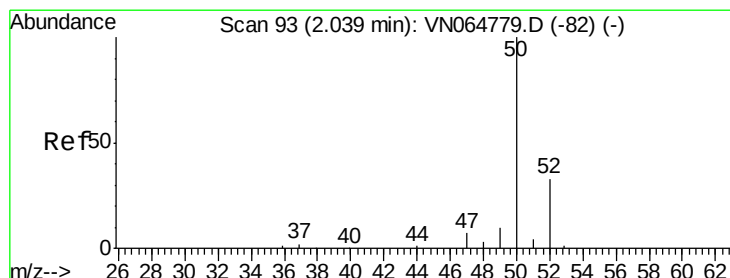
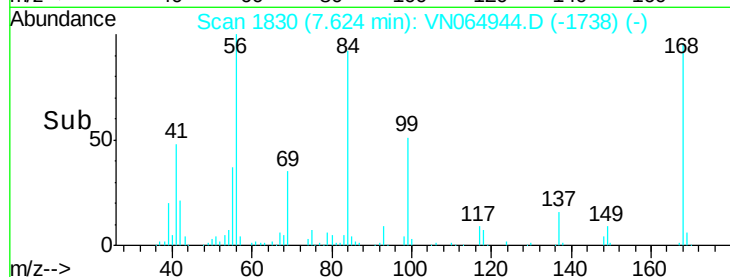
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.379 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064944.D

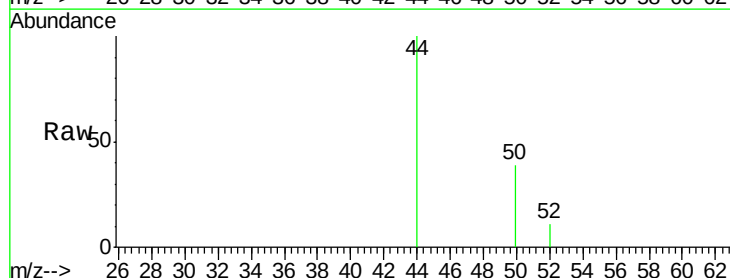
Acq: 7 Dec 2020 14:47

Tgt Ion: 50 Resp: 843

Ion Ratio Lower Upper

50 100

52 28.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

800

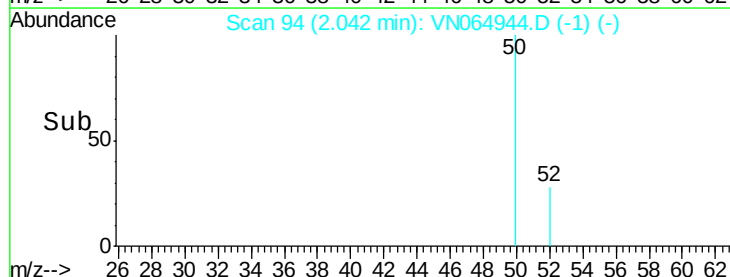
600

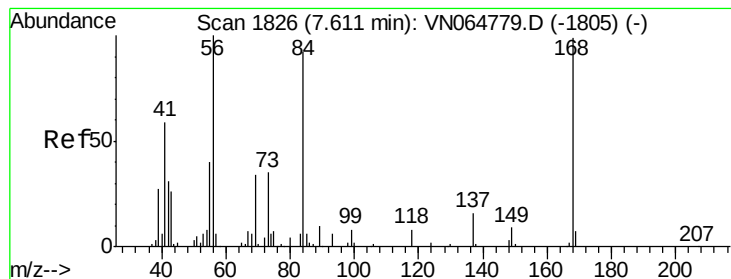
400

200

0

Time--> 2.00 2.02 2.04 2.06





#31

Cyclohexane

Concen: 89.585 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064944.D

Acq: 7 Dec 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220RE

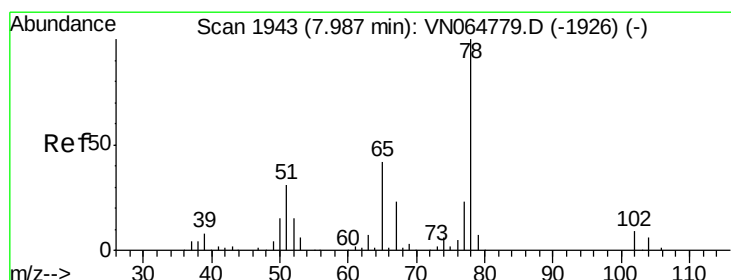
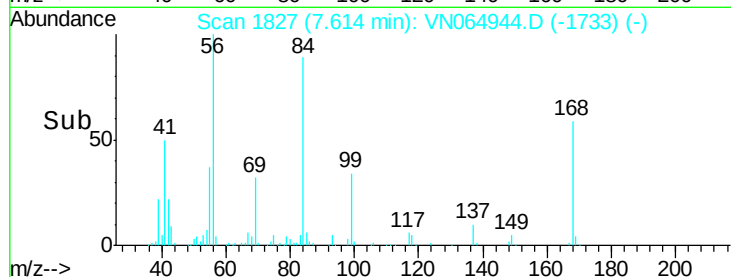
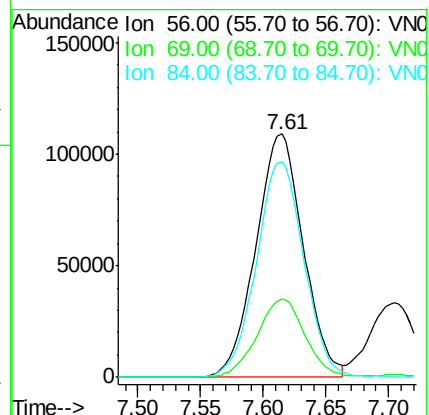
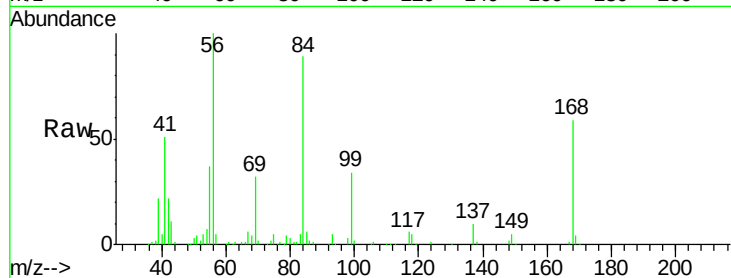
Tot Ion: 56 Resp: 286812

Ion Ratio Lower Upper

56 100

69 32.1 27.5 41.3

84 88.7 73.9 110.9



#33

1,2-Dichloroethane-d4

Concen: 48.277 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064944.D

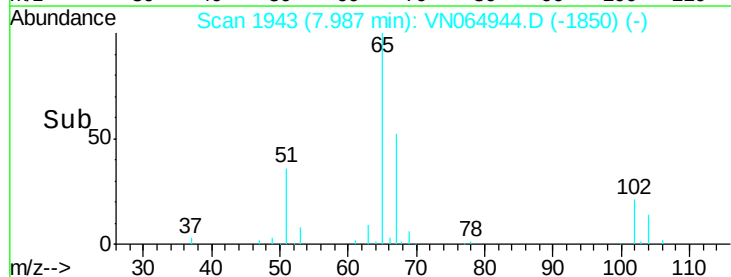
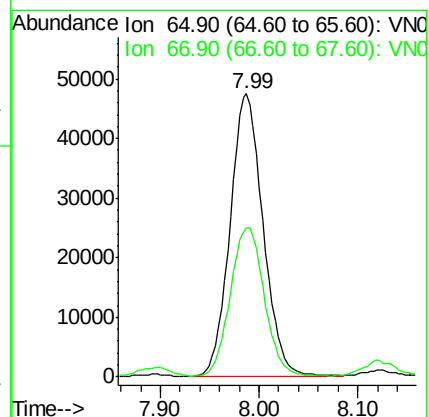
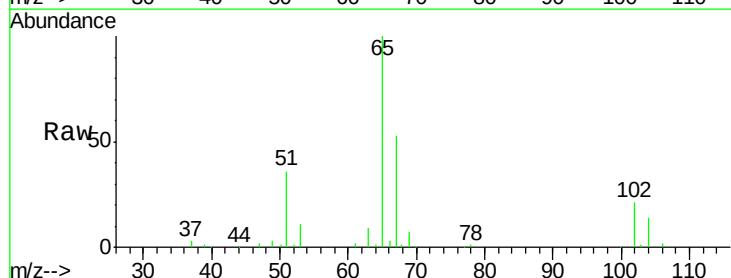
Acq: 7 Dec 2020 14:47

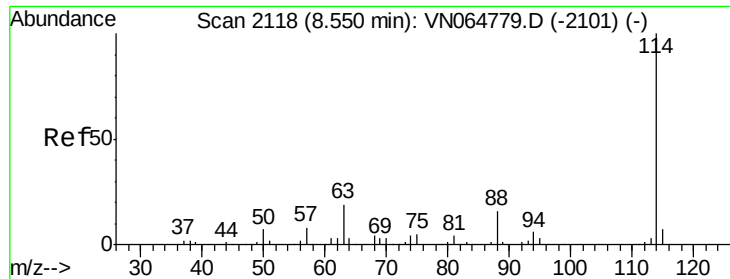
Tgt Ion: 65 Resp: 110895

Ion Ratio Lower Upper

65 100

67 53.5 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: VN064944.D

Acq: 7 Dec 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220RE

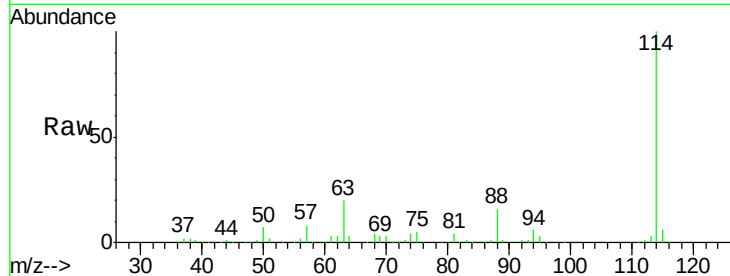
Tot Ion:114 Resp: 339941

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

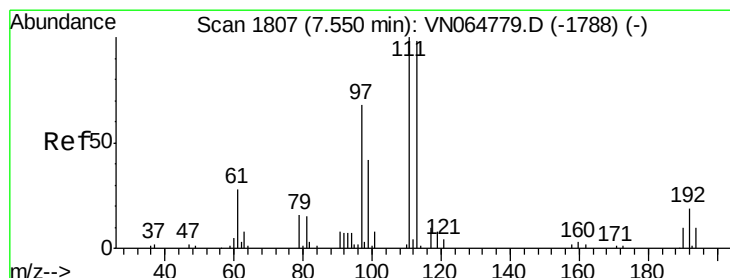
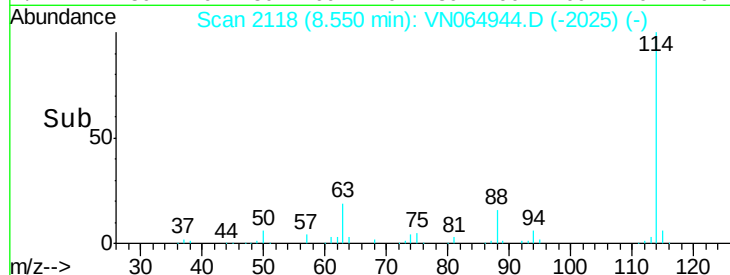
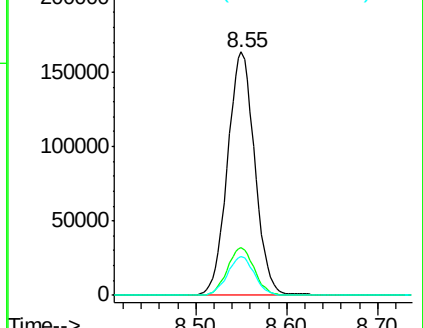
88 15.8 0.0 32.6



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: 50.290 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064944.D

Acq: 7 Dec 2020 14:47

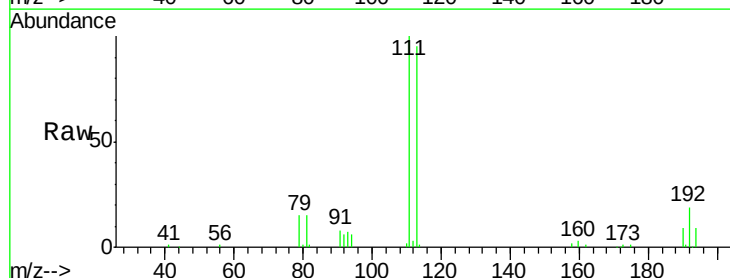
Tgt Ion:113 Resp: 102295

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

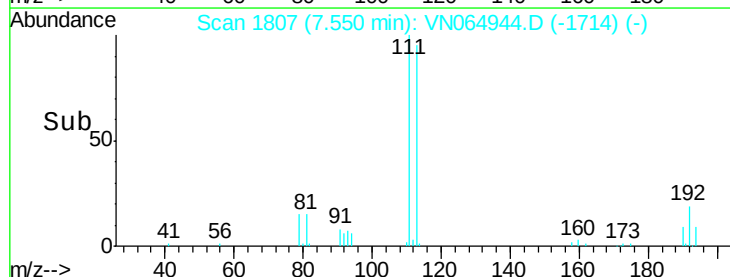
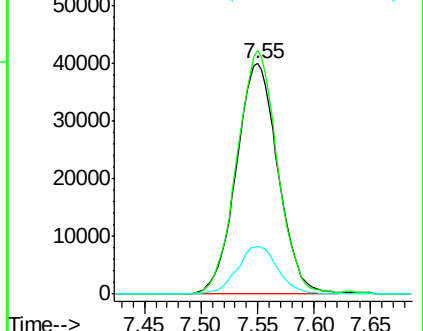
192 20.3 16.2 24.2

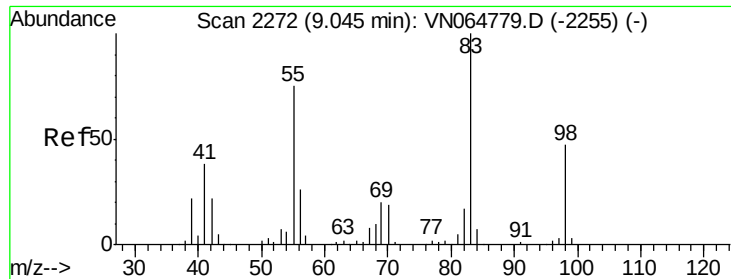


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

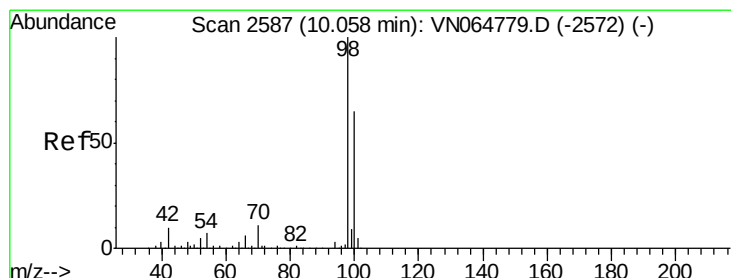
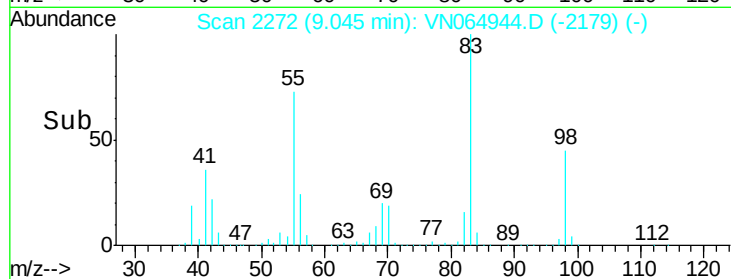
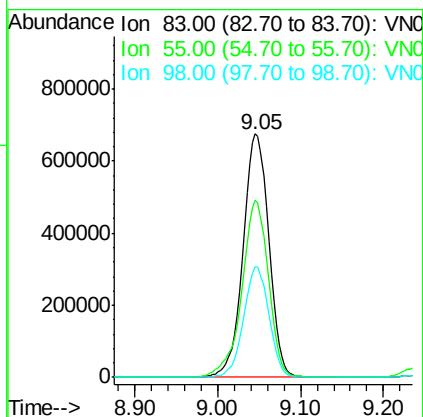
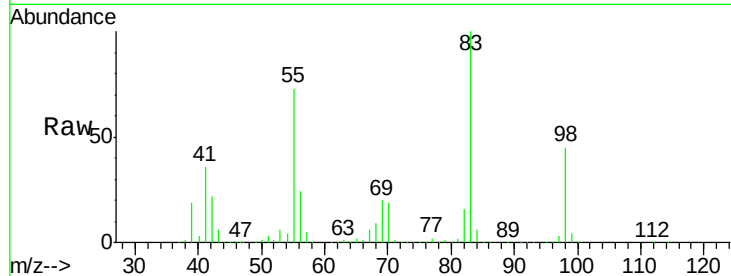




#39
Methylvlcyclohexane
Concen: 429.206 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064944.D
Acq: 7 Dec 2020 14:47

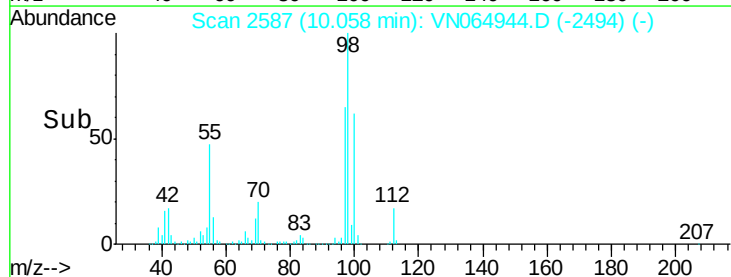
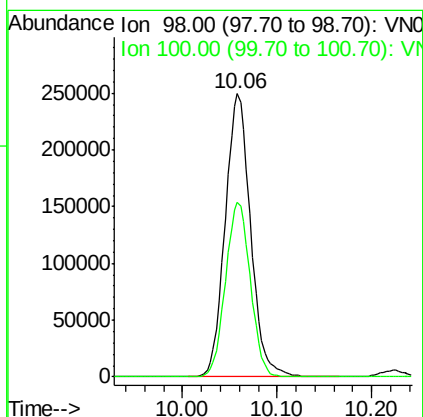
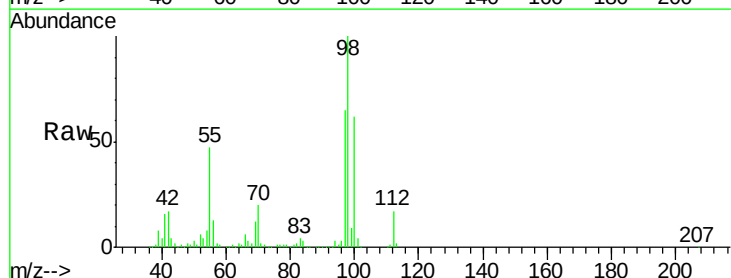
Instrument :
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ClientSampleId :
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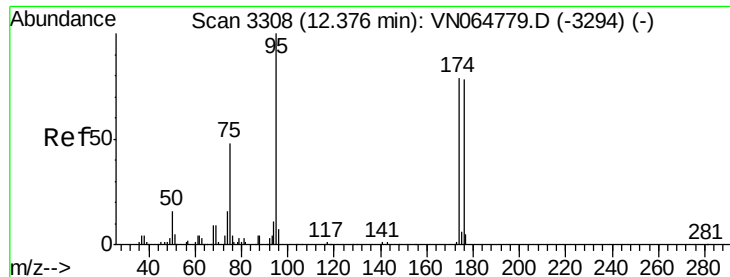
Tot Ion: 83 Resp: 1455853
Ion Ratio Lower Upper
83 100
55 72.5 60.2 90.2
98 45.3 37.4 56.2



#50
Toluene-d8
Concen: 56.046 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064944.D
Acq: 7 Dec 2020 14:47

Tgt Ion: 98 Resp: 465804
Ion Ratio Lower Upper
98 100
100 60.2 51.7 77.5

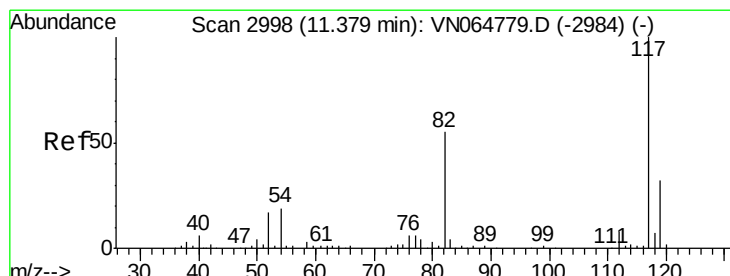
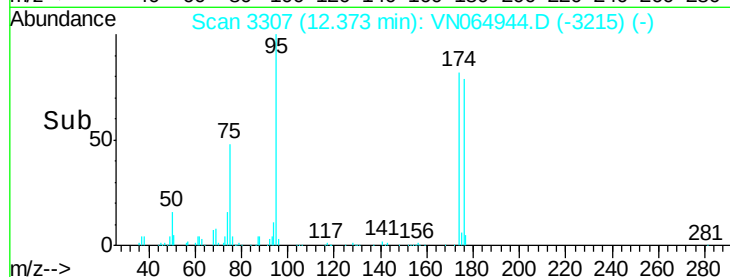
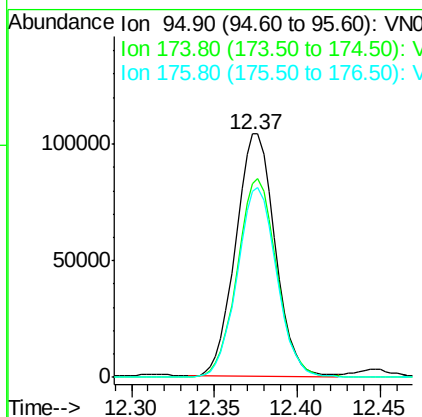
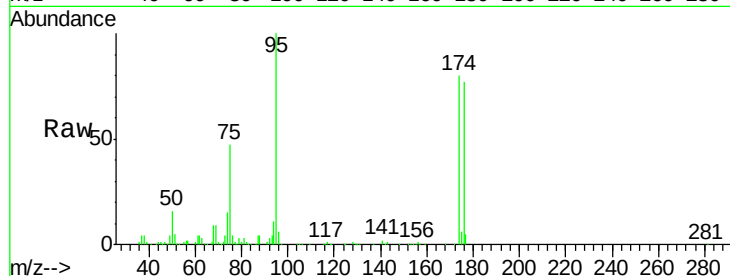




#62
4-Bromofluorobenzene
Concen: 57.914 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064944.D
Acq: 7 Dec 2020 14:47

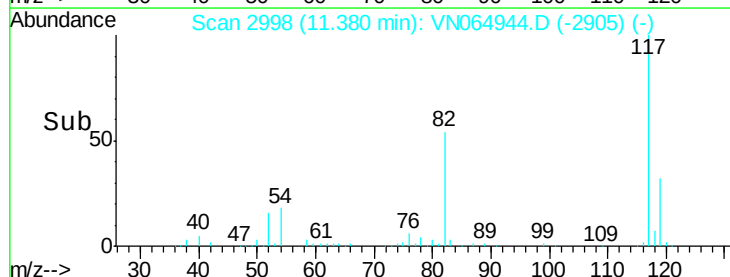
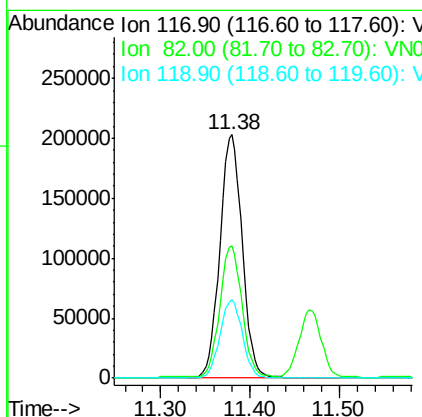
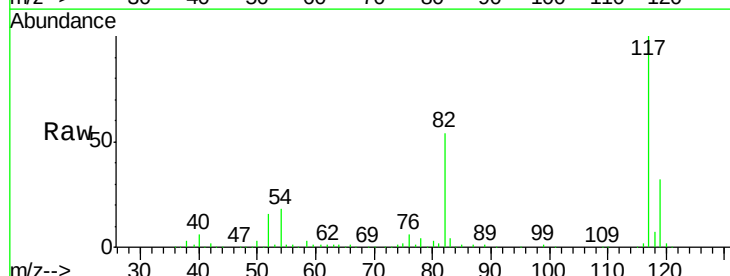
Instrument :
MSVOA_N
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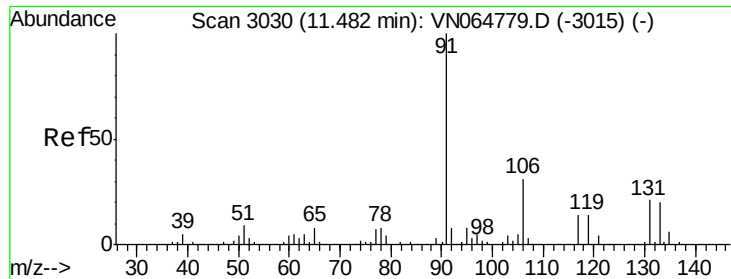
Tot Ion: 95 Resp: 172259
Ion Ratio Lower Upper
95 100
174 82.2 0.0 160.4
176 78.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064944.D
Acq: 7 Dec 2020 14:47

Tgt Ion: 117 Resp: 352517
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.0 25.8 38.6

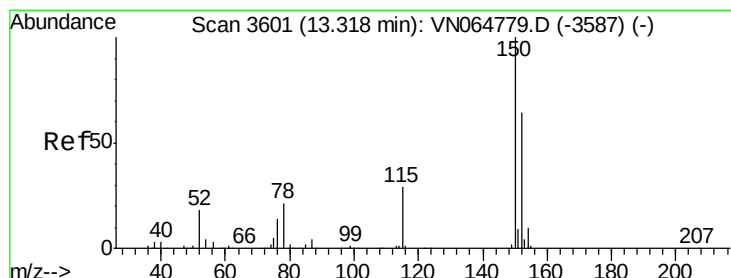
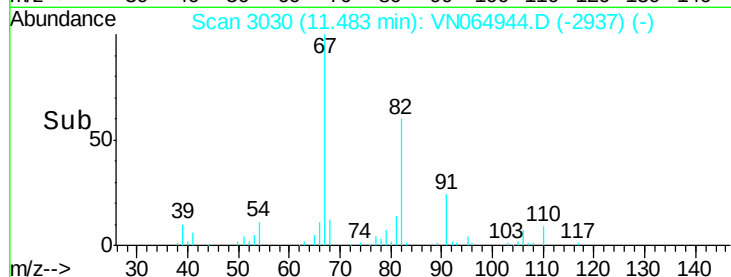
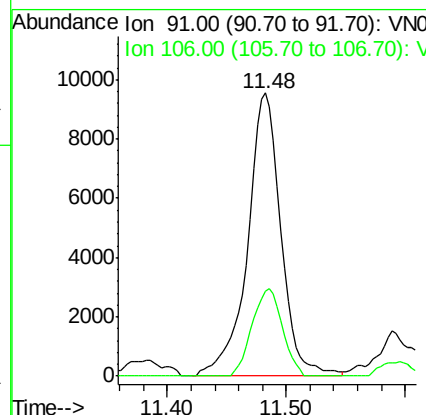
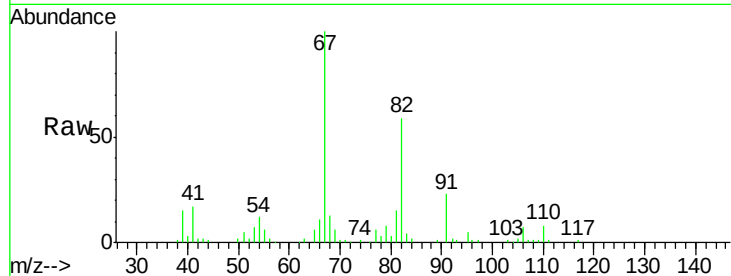




#67
Ethyl Benzene
Concen: 1.467 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064944.D
Acq: 7 Dec 2020 14:47

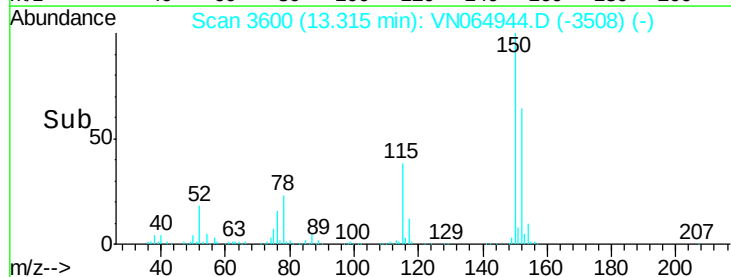
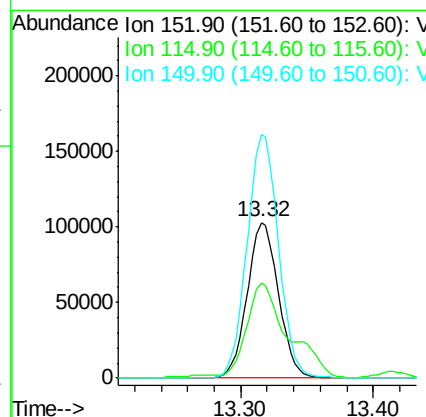
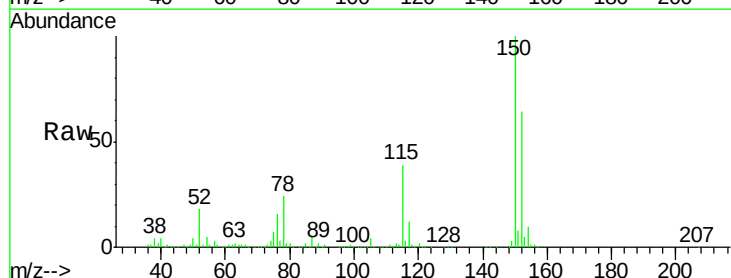
Instrument :
MSVOA_N
ClientSampleId :
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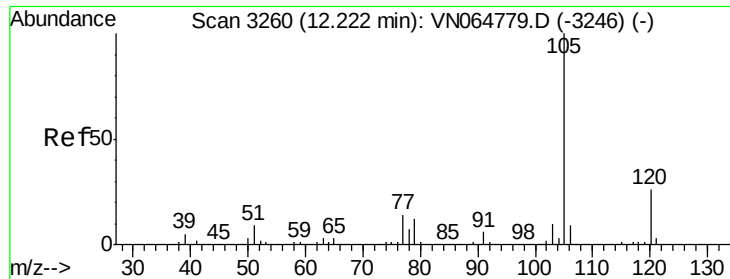
Tot Ion: 91 Resp: 18557
Ion Ratio Lower Upper
91 100
106 30.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064944.D
Acq: 7 Dec 2020 14:47

Tgt Ion: 152 Resp: 168644
Ion Ratio Lower Upper
152 100
115 80.6 29.7 89.1
150 157.6 0.0 350.6





#73

Isopropylbenzene

Concen: 32.480 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064944.D

Acq: 7 Dec 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

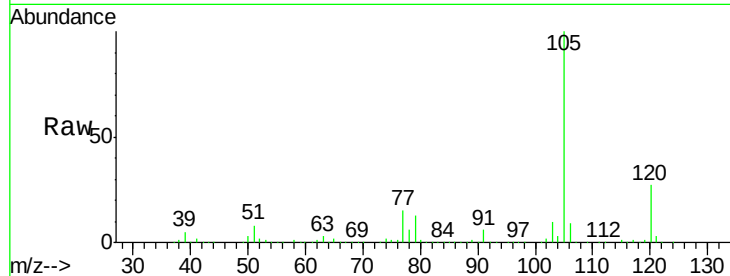
SS013-13-6702-120220RE

Tot Ion:105 Resp: 381004

Ion Ratio Lower Upper

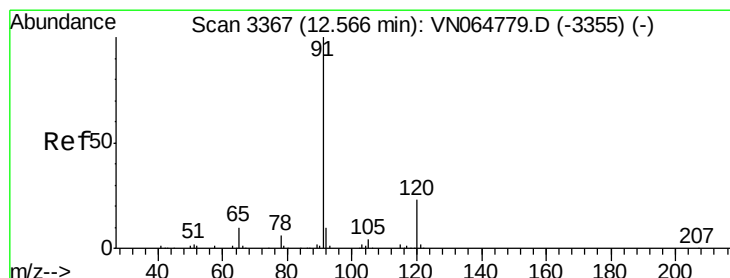
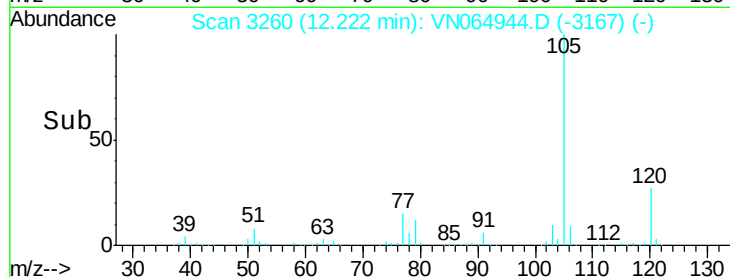
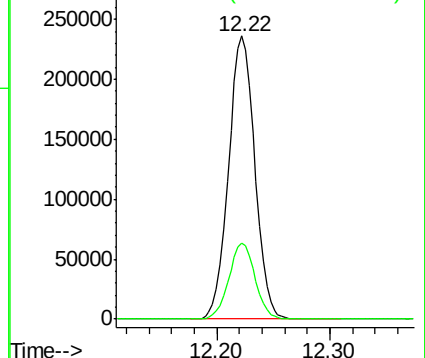
105 100

120 26.7 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: 35.883 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064944.D

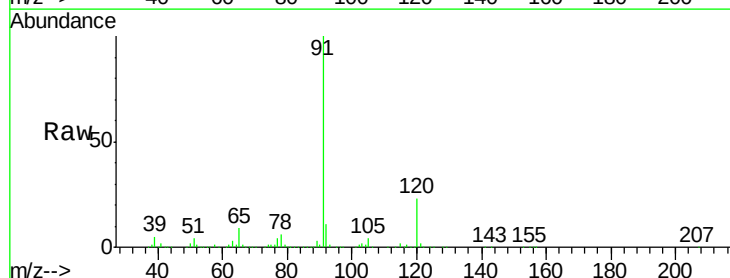
Acq: 7 Dec 2020 14:47

Tgt Ion: 91 Resp: 479510

Ion Ratio Lower Upper

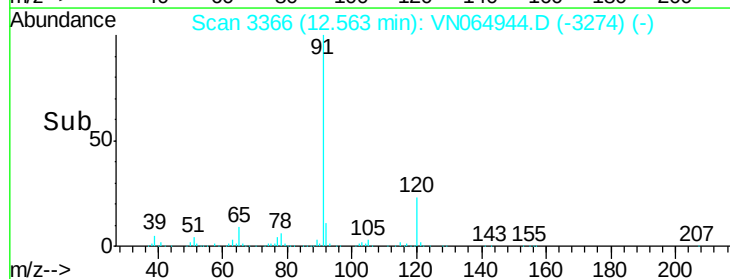
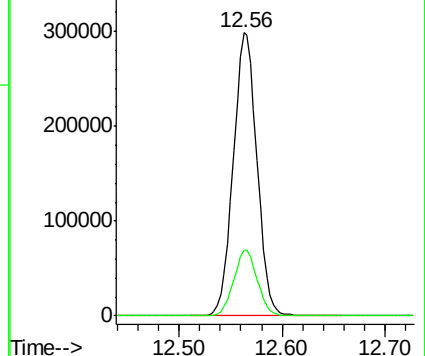
91 100

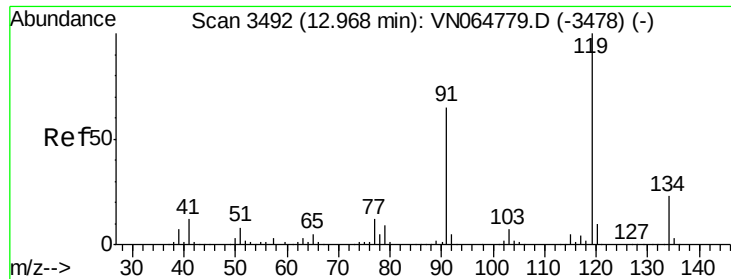
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

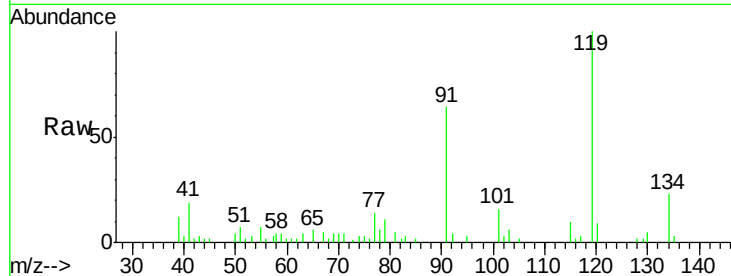




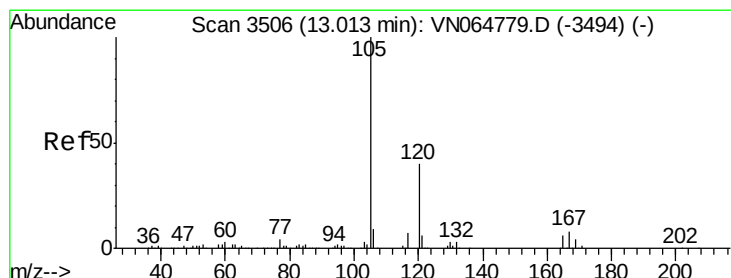
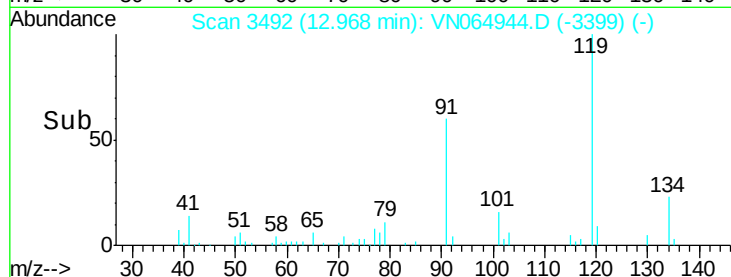
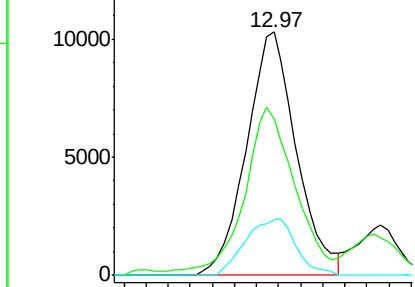
#83
 tert-Butylbenzene
 Concen: 1.972 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064944.D
 Acq: 7 Dec 2020 14:47

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

Tot Ion:119 Resp: 16115
 Ion Ratio Lower Upper
 119 100
 91 67.7 32.3 96.8
 134 23.6 12.6 37.6

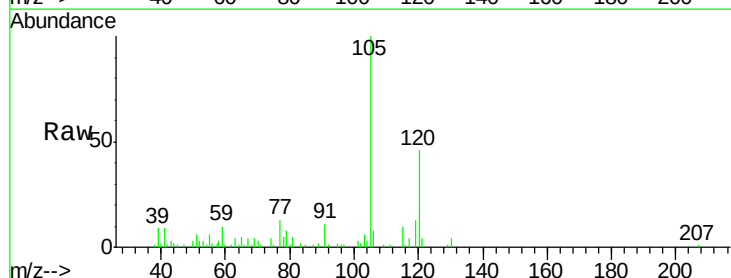


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

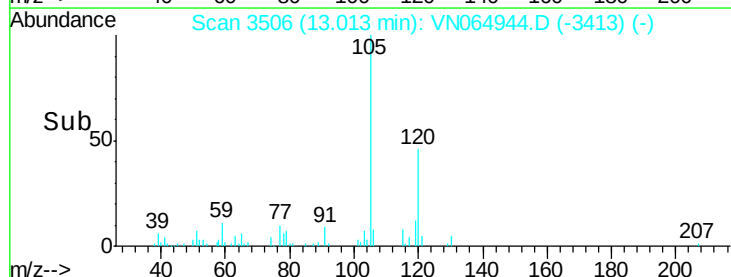
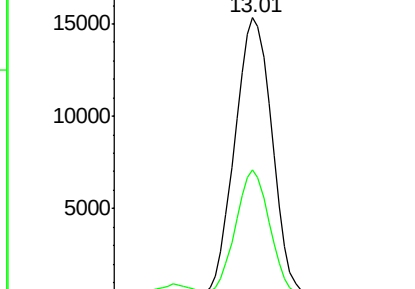


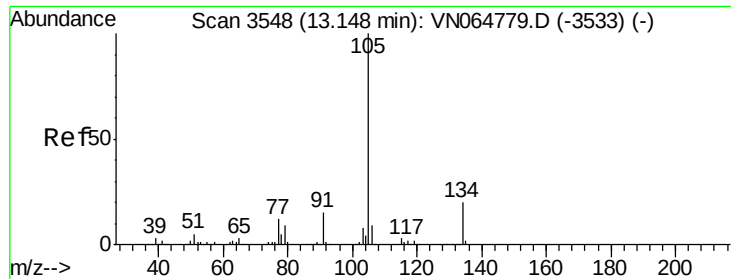
#84
 1,2,4-Trimethylbenzene
 Concen: 2.515 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064944.D
 Acq: 7 Dec 2020 14:47

Tgt Ion:105 Resp: 24791
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 9.723 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064944.D

Acq: 7 Dec 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

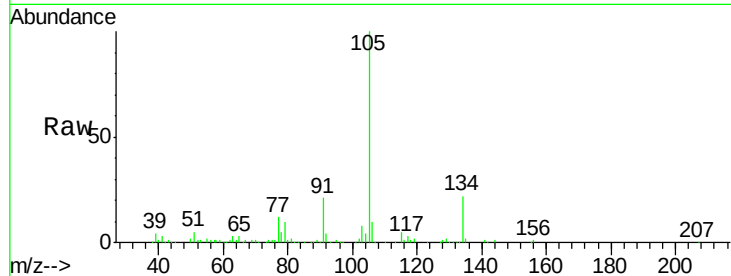
SS013-13-6702-120220RE

Tot Ion:105 Resp: 105504

Ion Ratio Lower Upper

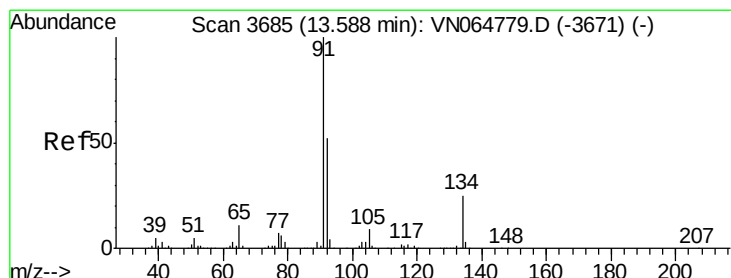
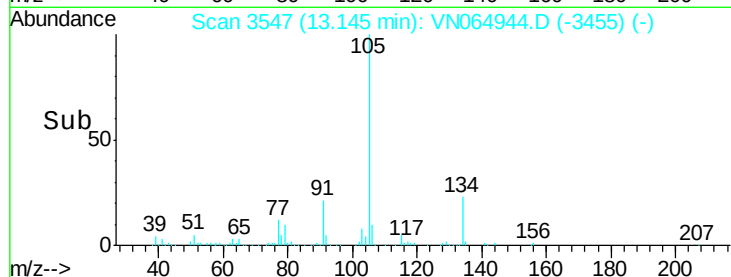
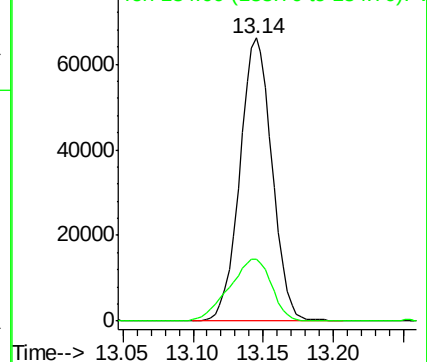
105 100

134 28.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 5.078 ug/l

RT: 13.59 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN064944.D

Acq: 7 Dec 2020 14:47

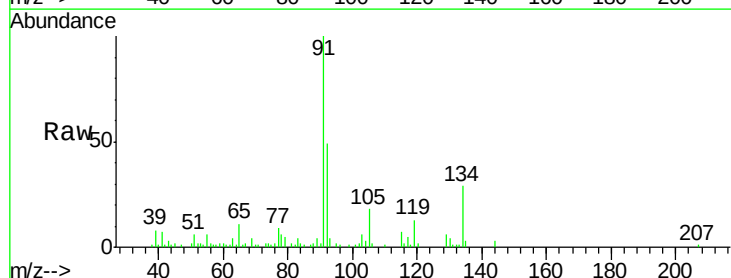
Tgt Ion: 91 Resp: 44051

Ion Ratio Lower Upper

91 100

92 43.6 26.0 78.0

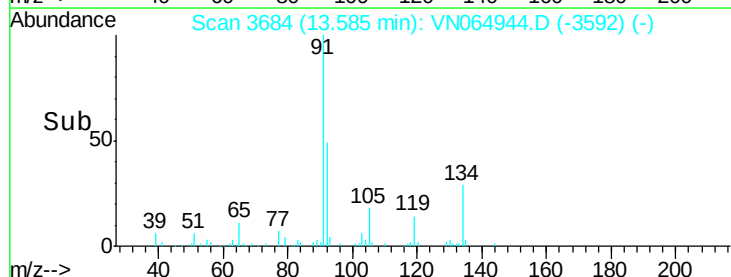
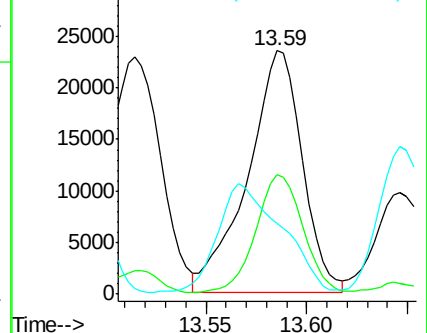
134 54.9 12.9 38.6#

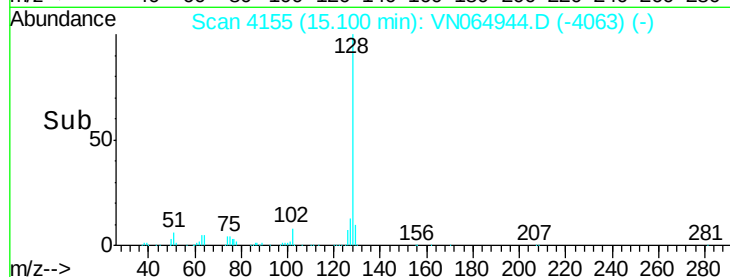
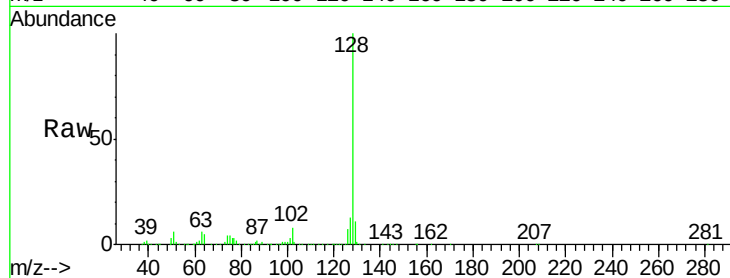
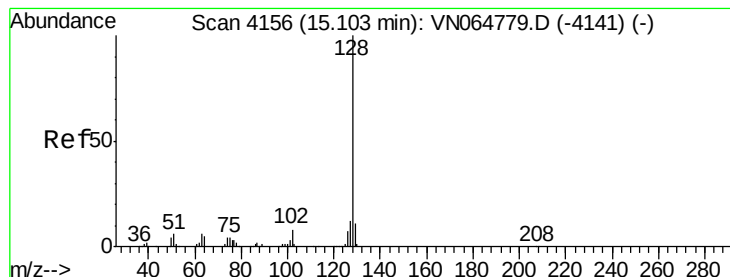


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 34.056 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064944.D

Acq: 7 Dec 2020 14:47

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220RE

Tot Ion:128 Resp: 348201

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.7 8.7 13.1

