

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064942.D
 Acq On : 7 Dec 2020 13:59
 Operator : JC/MD
 Sample : L4954-11RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6712-120120RE

Manual Integrations
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 12/8/2020 5:04:12 PM

Quant Time: Dec 08 08:03:22 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	197883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	346249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	110068	47.84	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.68%
35) Dibromofluoromethane	7.55	113	101722	51.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.14%
50) Toluene-d8	10.06	98	441720	54.28	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.56%
62) 4-Bromofluorobenzene	12.37	95	172276	59.15	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.30%

Target Compounds

						Qvalue
31) Cyclohexane	7.61	56	641034	199.925	ug/l	95
39) Methylcyclohexane	9.05	83	559088	168.327	ug/l	97
40) Benzene	8.00	78	8410	0.890	ug/l	94
52) Toluene	10.12	92	6024	1.035	ug/l	96
67) Ethyl Benzene	11.48	91	4045805	325.705	ug/l	95
68) m/p-Xylenes	11.59	106	287130	61.053	ug/l	99
69) o-Xylene	11.92	106	29231	6.550	ug/l	100
73) Isopropylbenzene	12.22	105	786364	65.765	ug/l	100
78) n-propylbenzene	12.56	91	1012110	74.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	395330	39.776	ug/l	100
83) tert-Butylbenzene	12.97	119	16034m	1.925	ug/l	
84) 1,2,4-Trimethylbenzene	13.01	105	5457148	543.062	ug/l	92
85) sec-Butylbenzene	13.14	105	123725m	11.186	ug/l	
86) p-Isopropyltoluene	13.26	119	137892	13.693	ug/l	99
89) n-Butylbenzene	13.59	91	97392	11.013	ug/l #	72
95) Naphthalene	15.10	128	2259325	216.780	ug/l	99

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

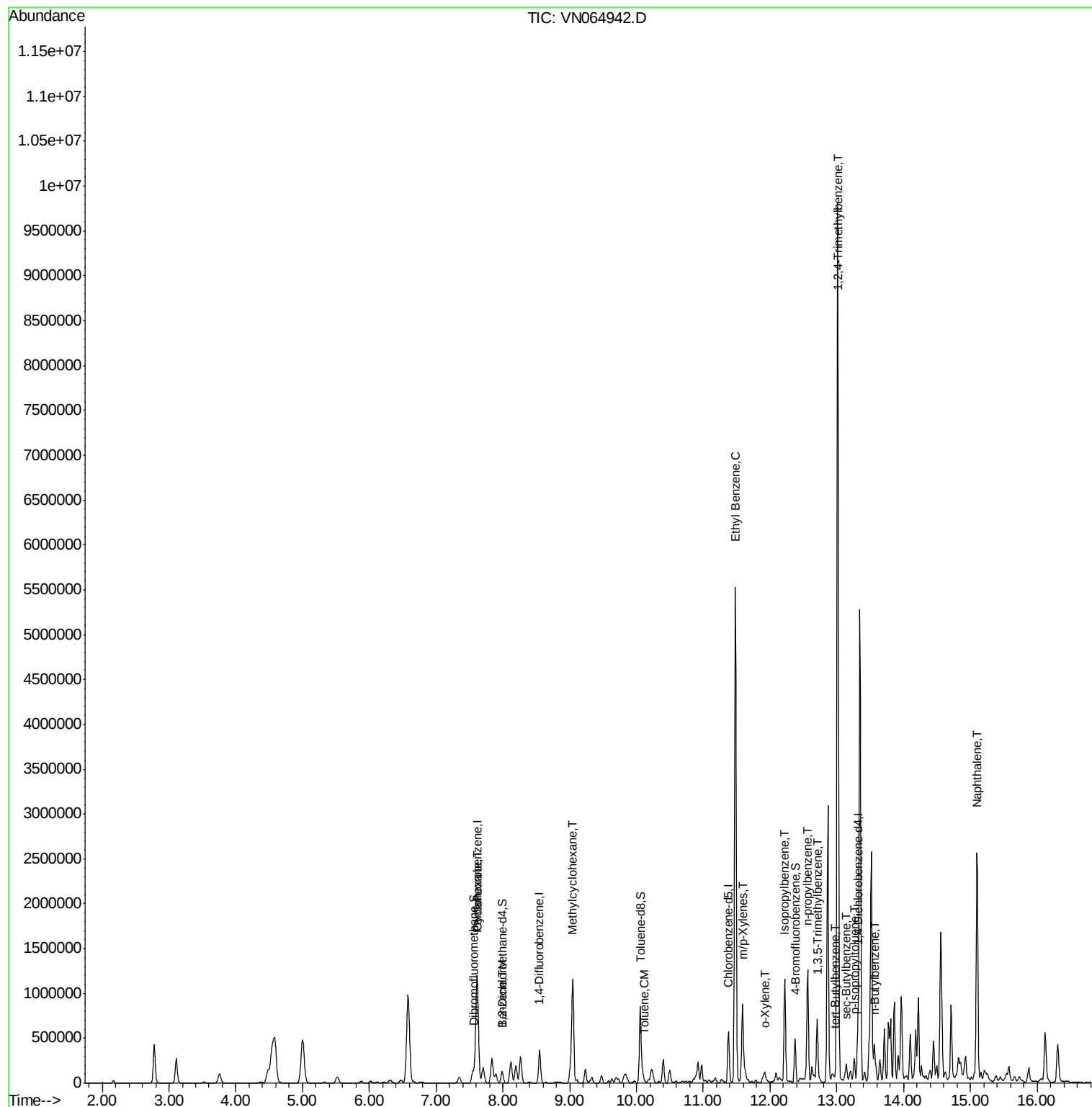
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
Data File : VN064942.D
Acq On : 7 Dec 2020 13:59
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Sample : L4954-11RE
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

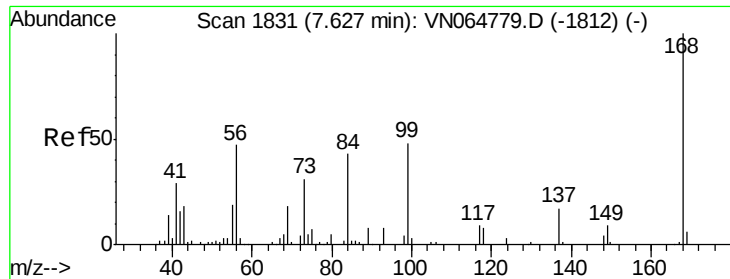
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120RE

Manual Integrations
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Quant Time: Dec 08 08:03:22 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120RE

Tot Ion:168 Resp: 197883

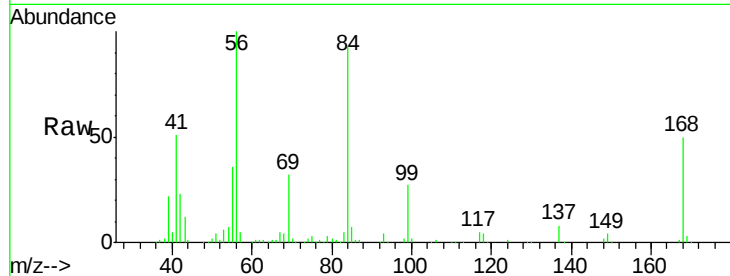
Ion Ratio Lower Upper

168 100

99 52.8 43.0 64.4

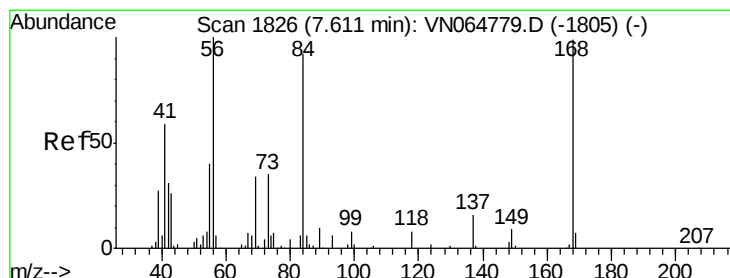
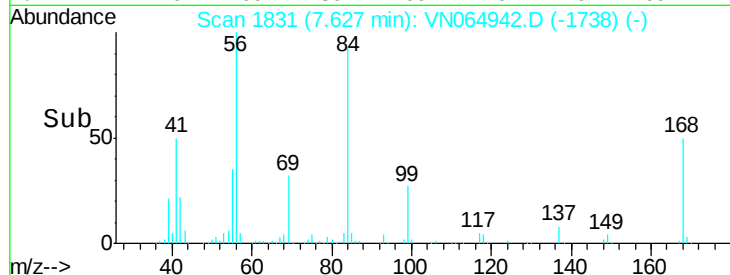
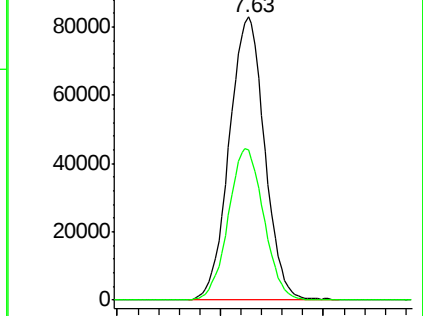
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#31

Cyclohexane

Concen: 199.925 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

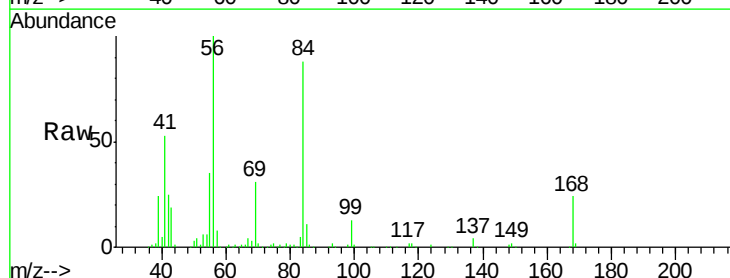
Tgt Ion: 56 Resp: 641034

Ion Ratio Lower Upper

56 100

69 30.4 27.5 41.3

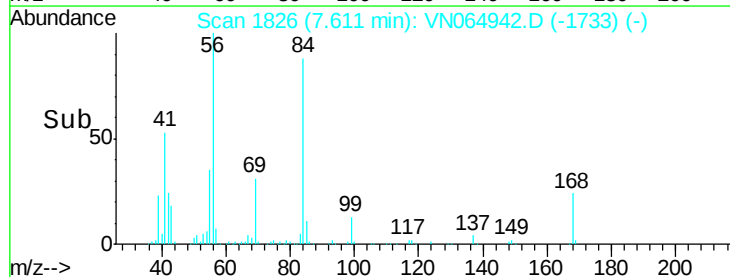
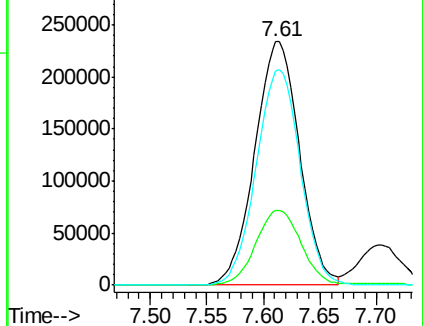
84 87.9 73.9 110.9

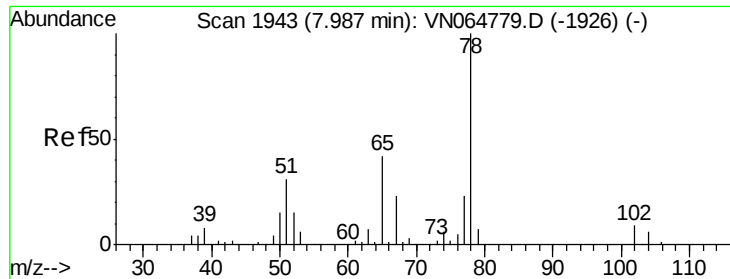


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





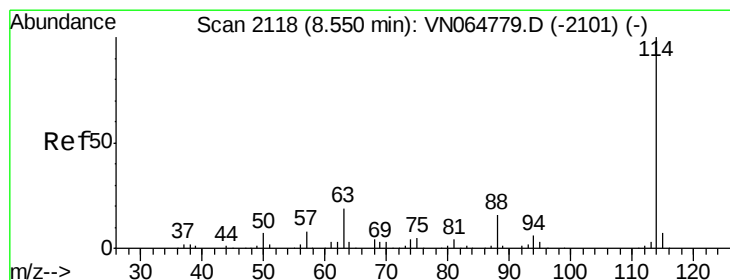
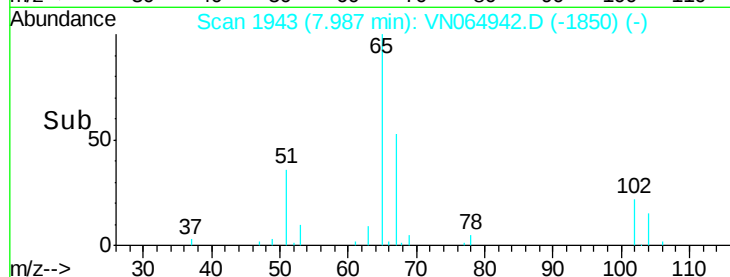
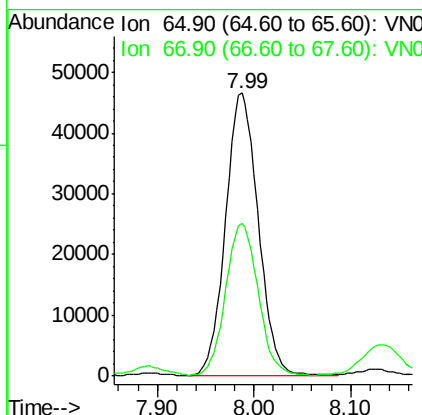
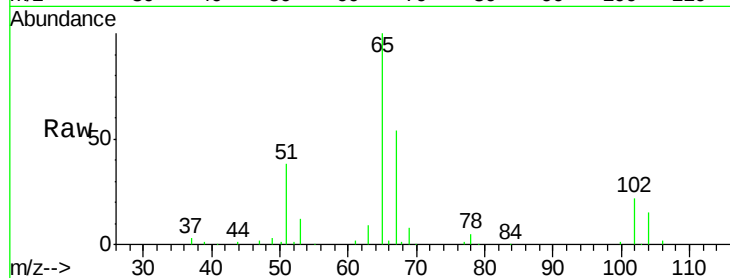
#33
 1,2-Dichloroethane-d4
 Concen: 47.845 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064942.D
 Acq: 7 Dec 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6712-120120RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.2	

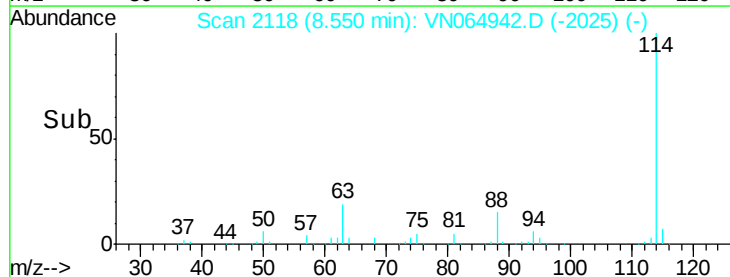
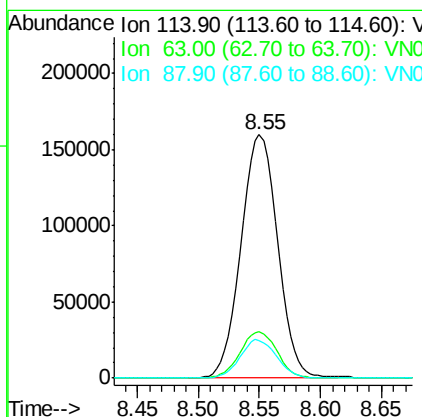
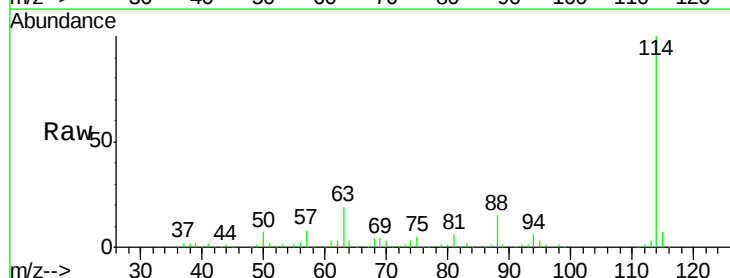
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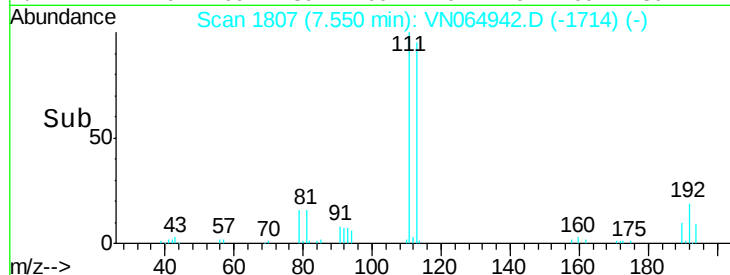
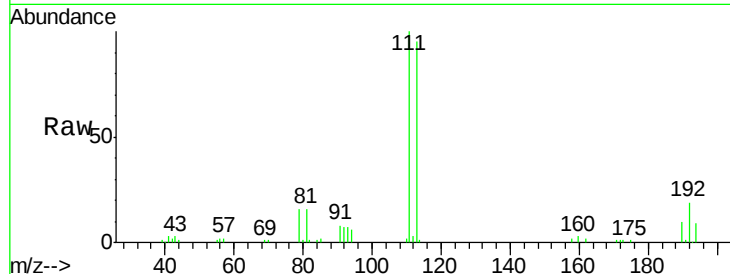
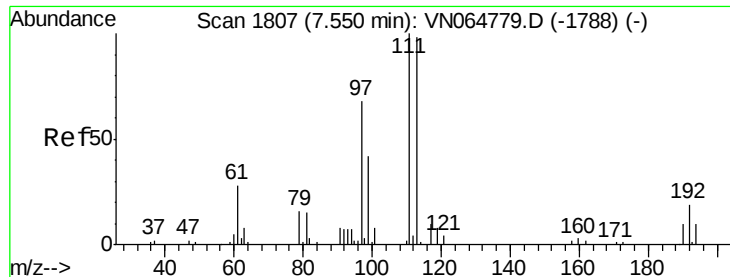
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064942.D
 Acq: 7 Dec 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	38.6	
88	15.4	0.0	32.6	





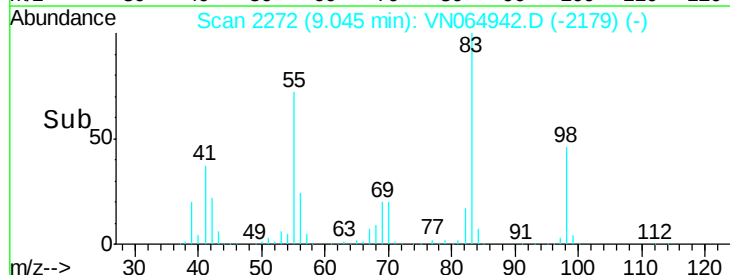
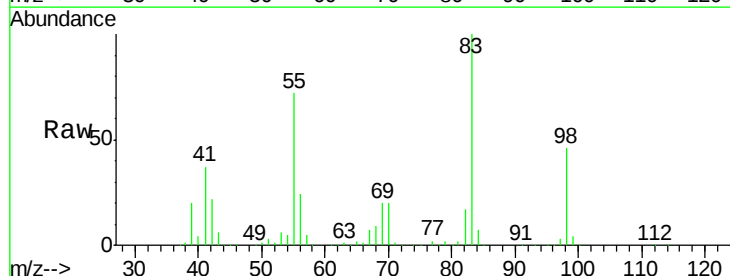
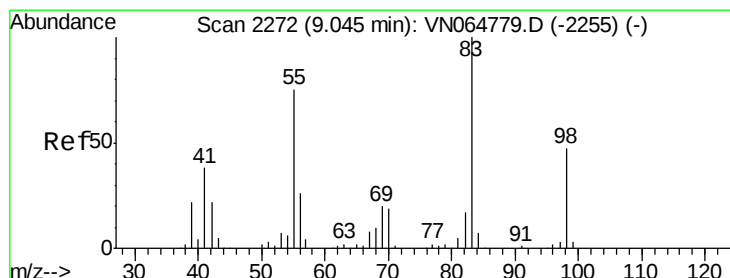
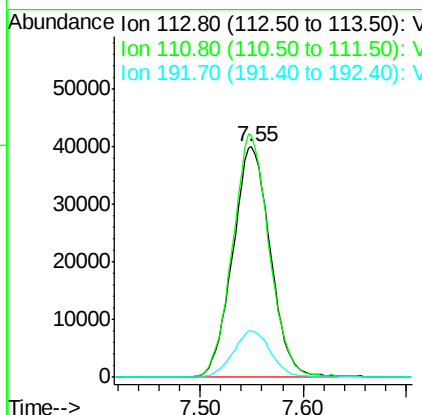
#35
Dibromofluoromethane
Concen: 51.070 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101722		
111	102.4	81.6	122.4	
192	20.2	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120RE

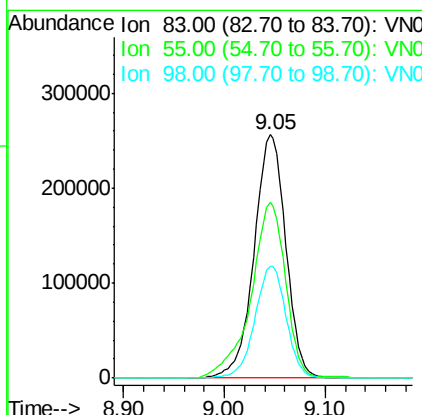
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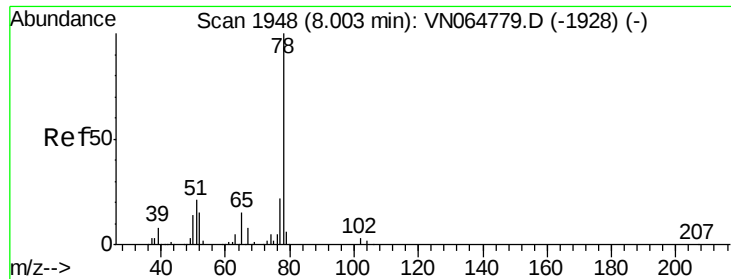
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#39
Methylcyclohexane
Concen: 168.327 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	559088		
55	72.2	60.2	90.2	
98	46.1	37.4	56.2	





#40

Benzene

Concen: 0.890 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120RE

Tot Ion: 78 Resp: 8410

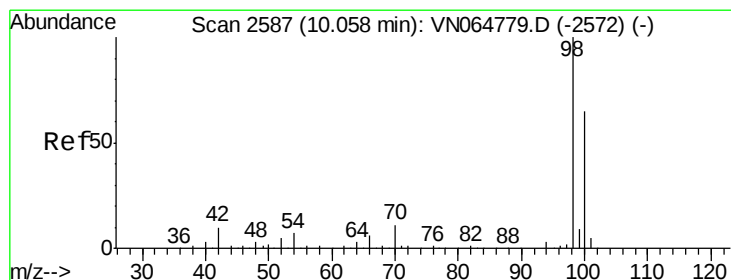
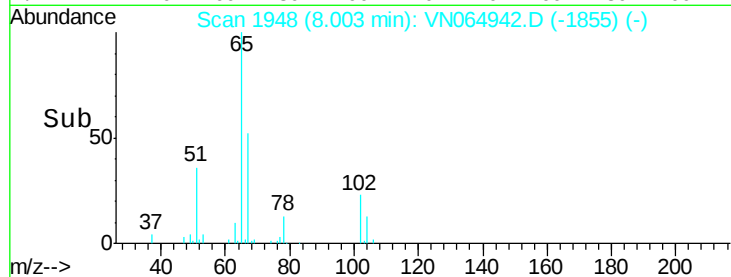
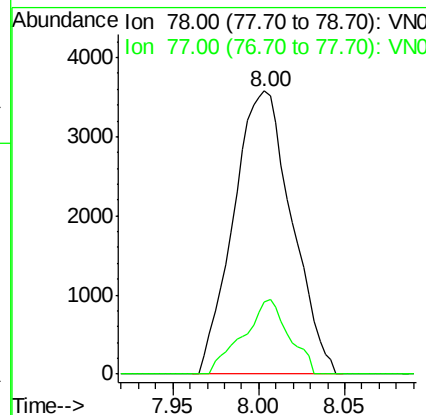
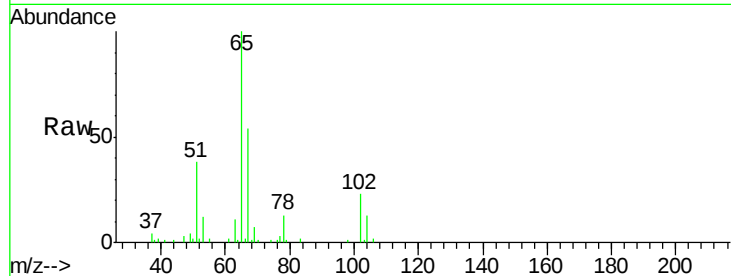
Ion Ratio Lower Upper

78 100

77 25.4 17.9 26.9

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#50

Toluene-d8

Concen: 54.276 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064942.D

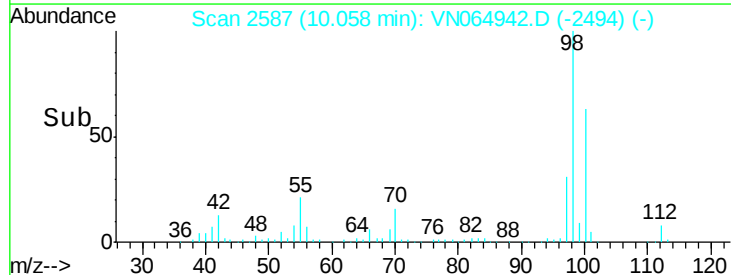
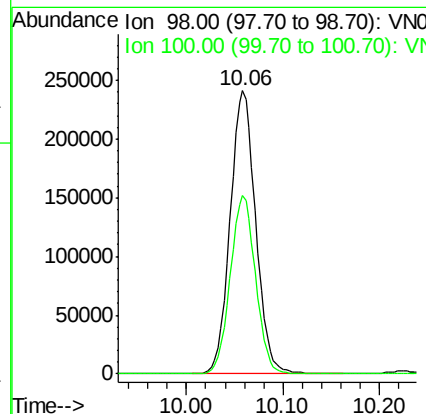
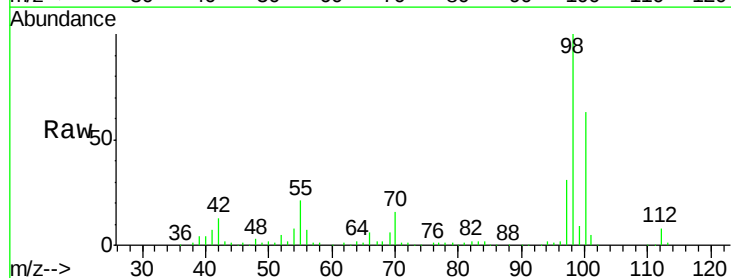
Acq: 7 Dec 2020 13:59

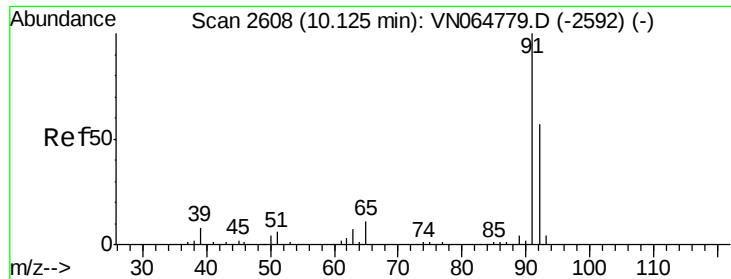
Tgt Ion: 98 Resp: 441720

Ion Ratio Lower Upper

98 100

100 62.2 51.7 77.5





#52

Toluene

Concen: 1.035 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120RE

Tot Ion: 92 Resp: 6024

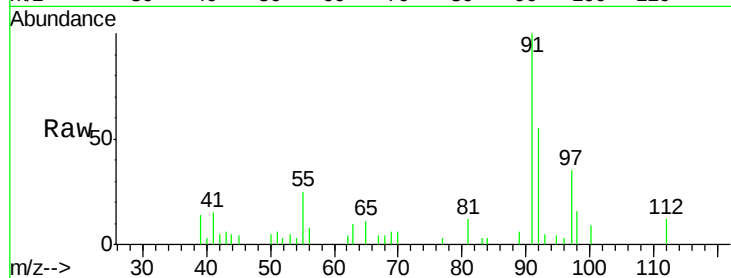
Ion Ratio Lower Upper

92 100

91 179.9 139.1 208.7

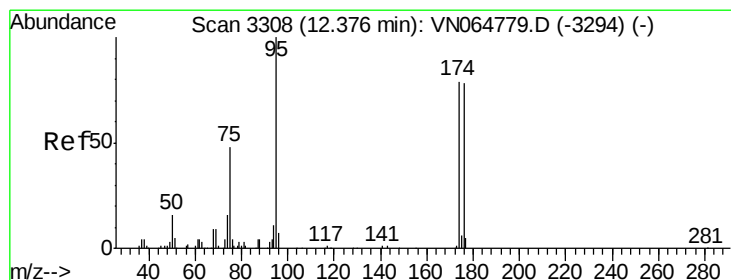
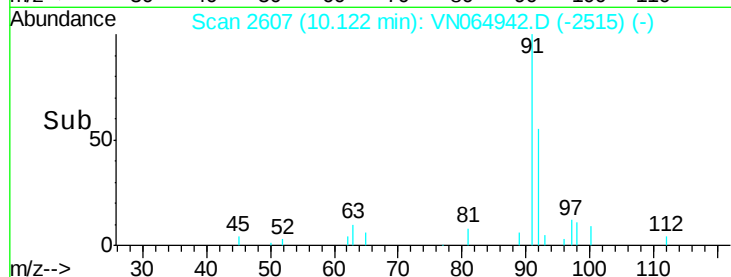
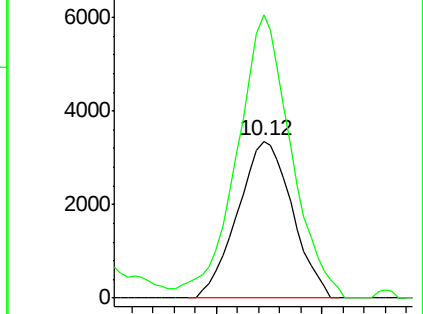
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Abundance Ion 92.00 (91.70 to 92.70): VN064942.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064942.D (-2515) (-)



#62

4-Bromofluorobenzene

Concen: 59.149 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

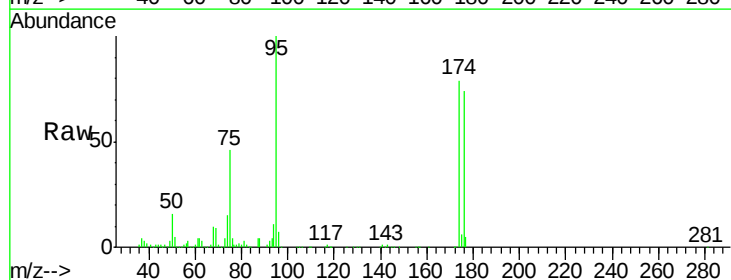
Tgt Ion: 95 Resp: 172276

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.4

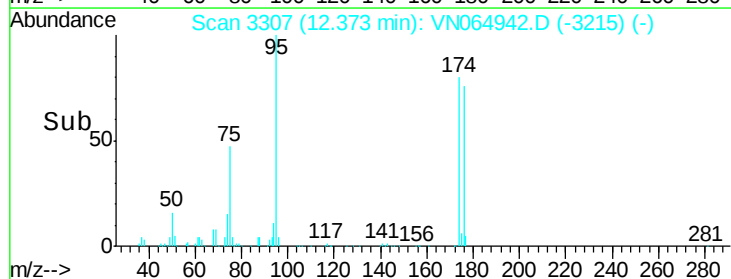
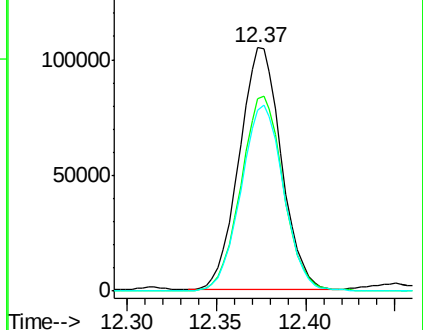
176 78.0 0.0 158.4

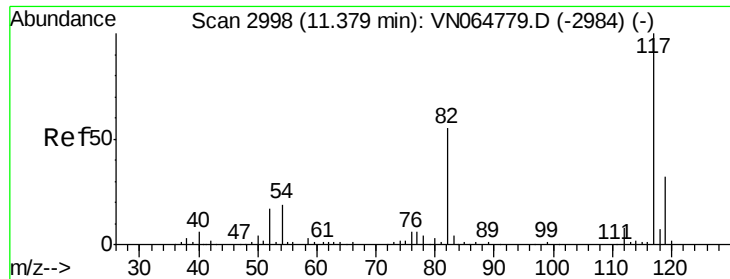


Abundance Ion 94.90 (94.60 to 95.60): VN064942.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN064942.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN064942.D (-3215) (-)





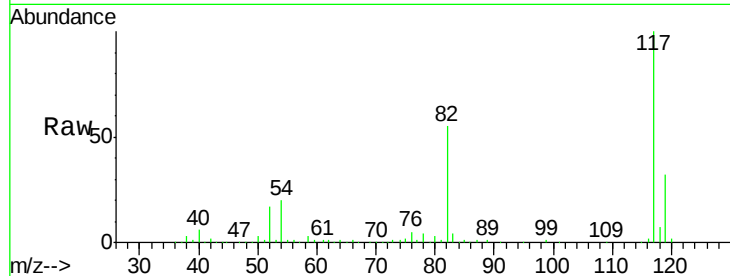
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120RE

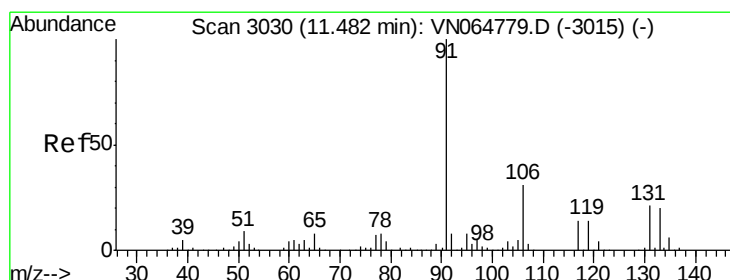
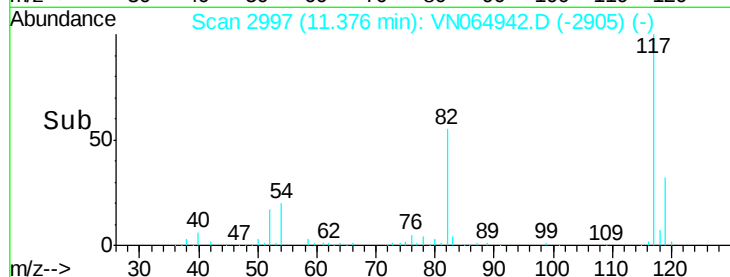
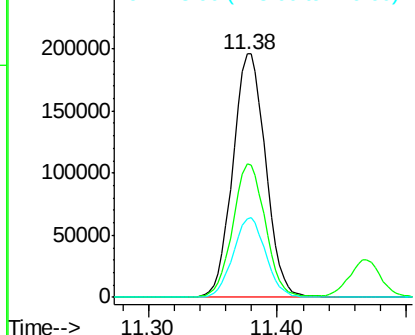
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.2	66.2
119	32.4	25.8	38.6

Manual Integrations
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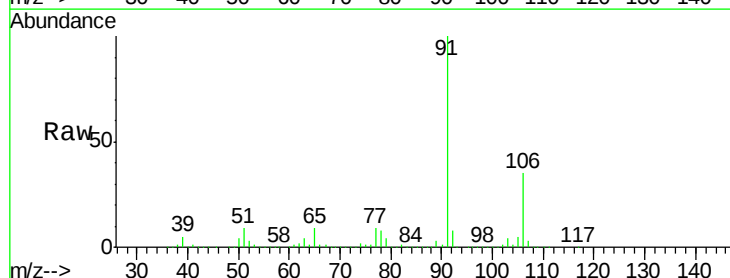


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

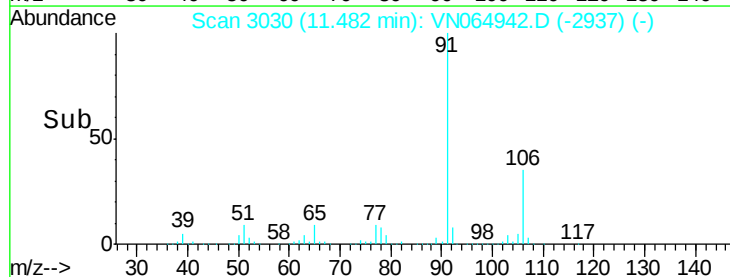
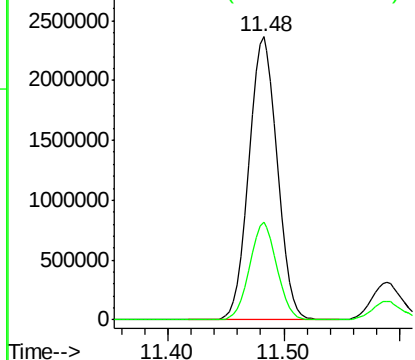


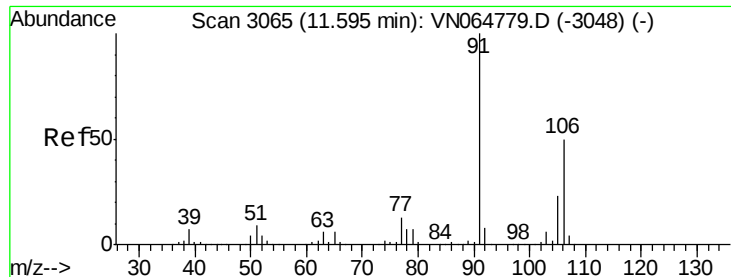
#67
Ethyl Benzene
Concen: 325.705 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.5	25.2	37.8



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





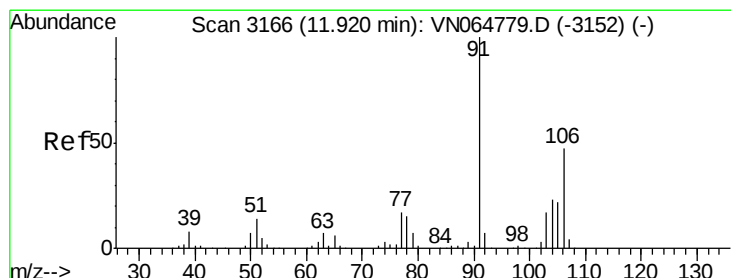
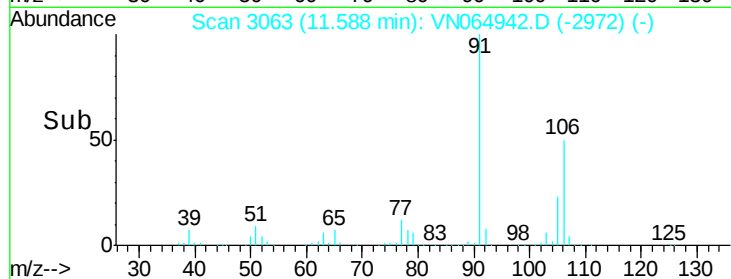
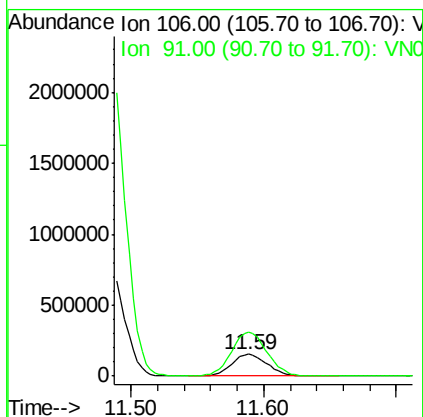
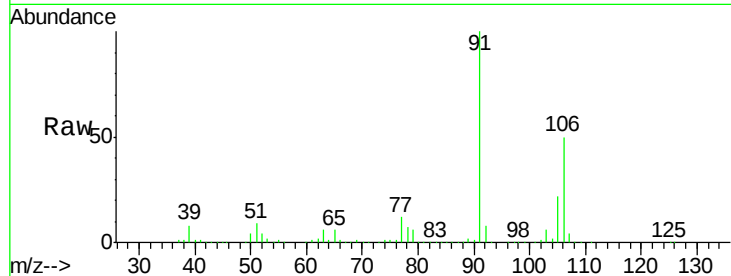
#68
m/p-Xvlenes
Concen: 61.053 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120RE

Tot Ion:106 Resp: 287130
Ion Ratio Lower Upper
106 100
91 202.2 161.0 241.4

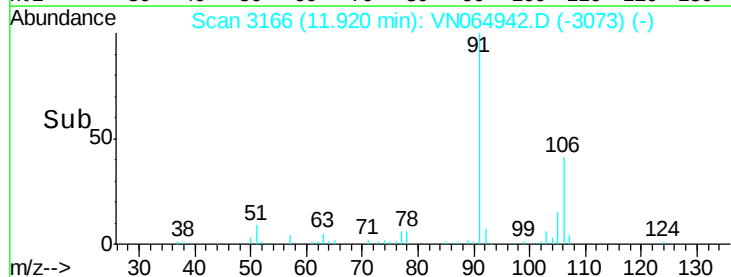
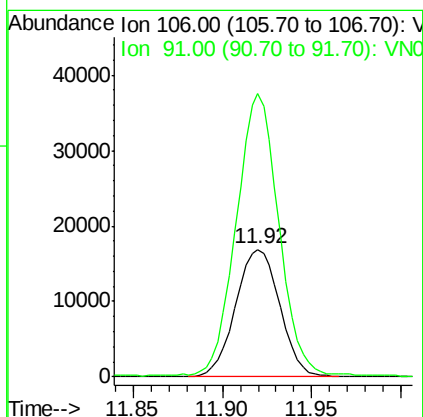
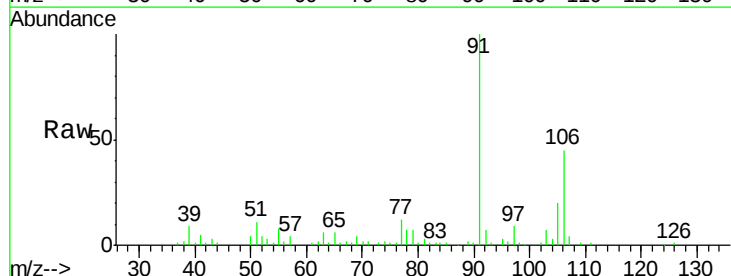
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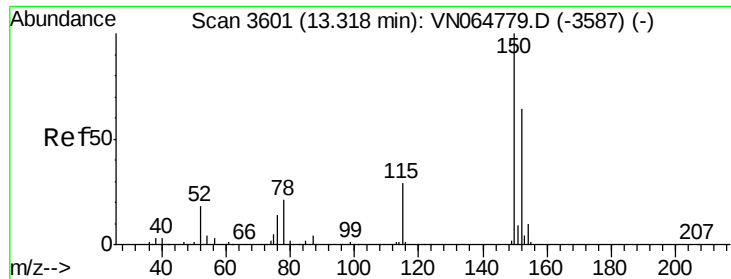
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#69
o-Xylene
Concen: 6.550 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Tgt Ion:106 Resp: 29231
Ion Ratio Lower Upper
106 100
91 211.4 105.5 316.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120RE

Tot Ion:152 Resp: 171906

Ion Ratio Lower Upper

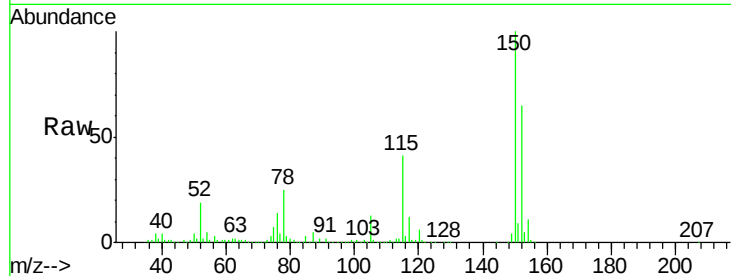
152 100

115 64.0 29.7 89.1

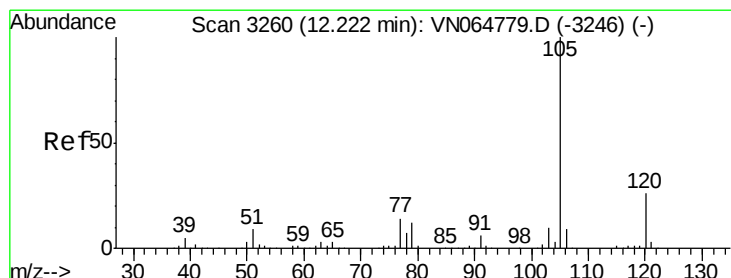
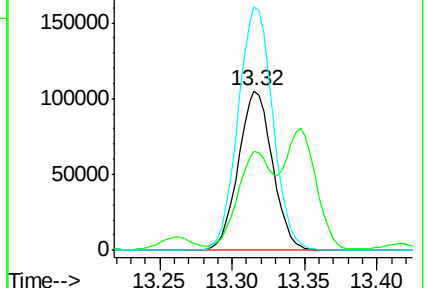
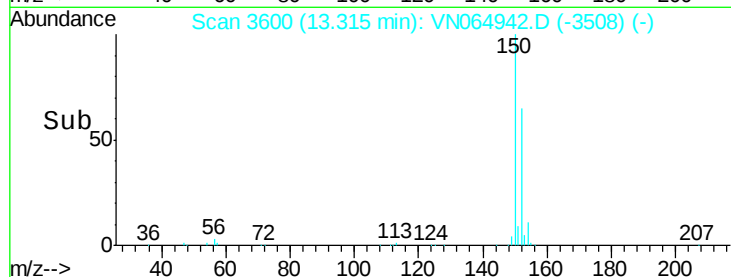
150 156.0 0.0 350.6

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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: 65.765 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064942.D

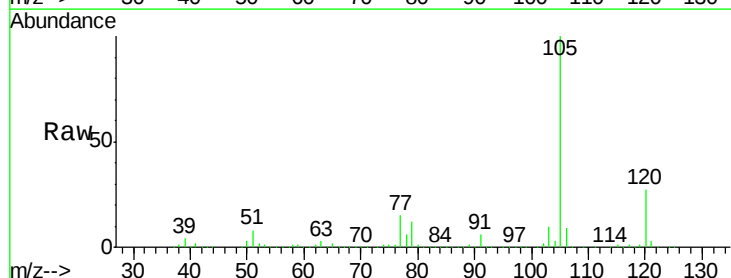
Acq: 7 Dec 2020 13:59

Tgt Ion:105 Resp: 786364

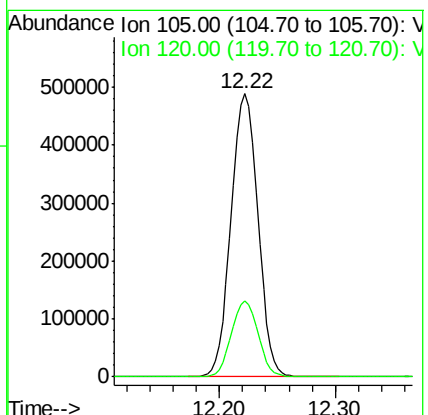
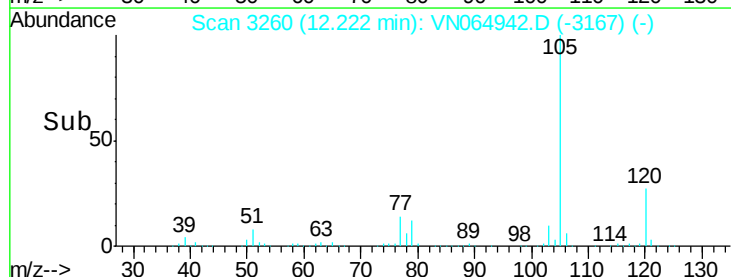
Ion Ratio Lower Upper

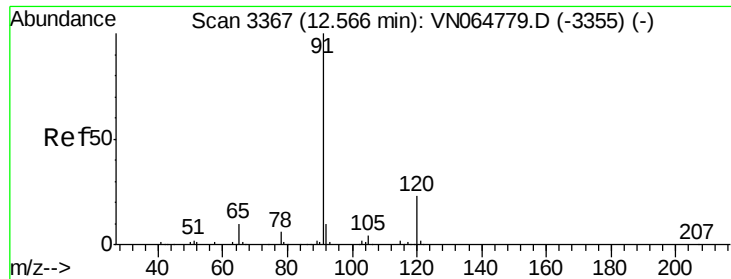
105 100

120 26.6 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: 74.301 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120RE

Tot Ion: 91 Resp: 1012110

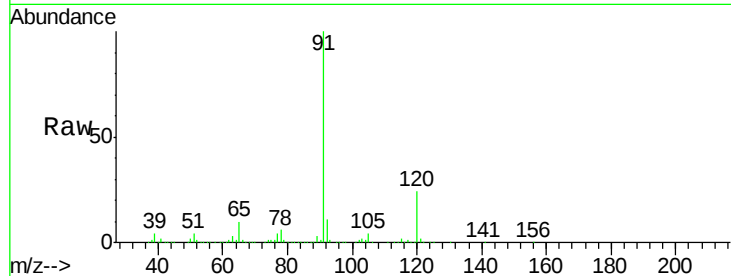
Ion Ratio Lower Upper

91 100

120 23.6 11.6 34.7

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3355) (-)

12.56

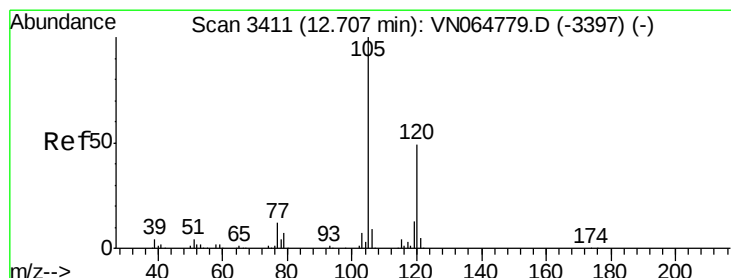
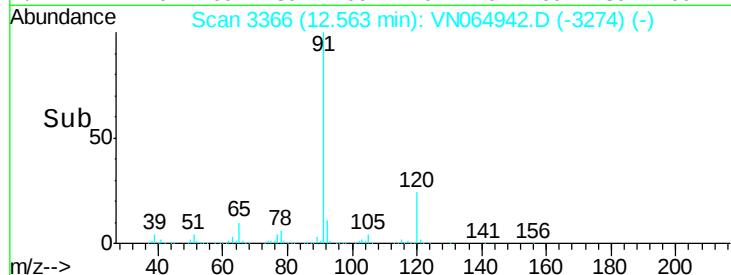
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 39.776 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064942.D

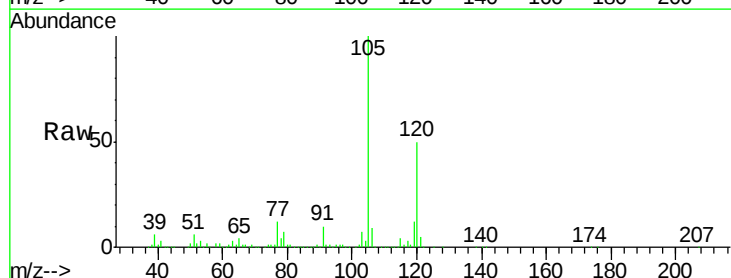
Acq: 7 Dec 2020 13:59

Tgt Ion: 105 Resp: 395330

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

12.71

250000

200000

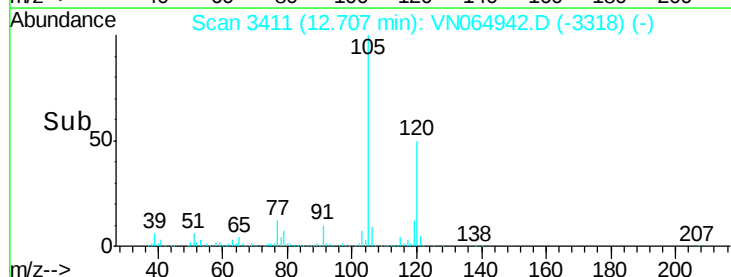
150000

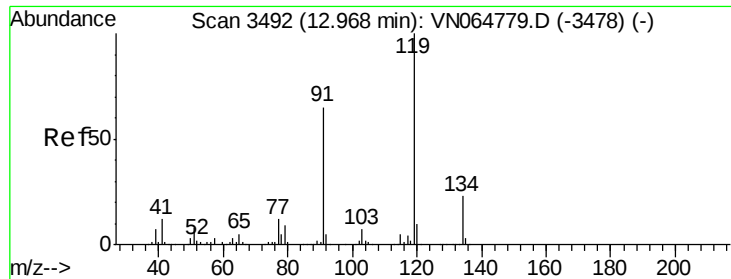
100000

50000

0

Time-->





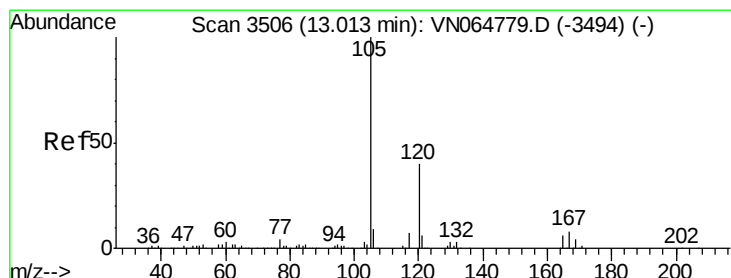
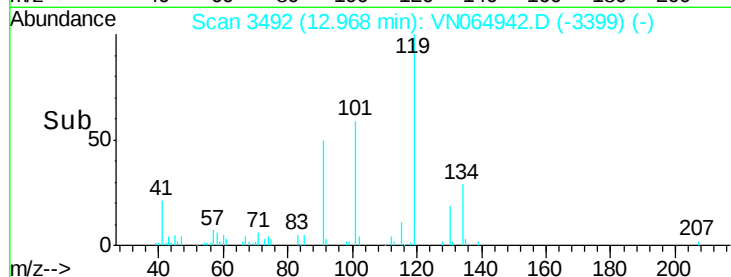
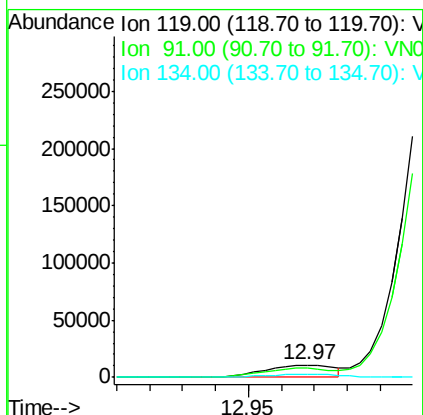
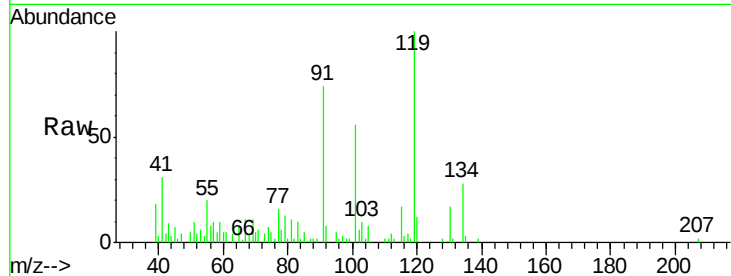
#83
tert-Butylbenzene
Concen: 1.925 ug/l m
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120RE

Tot Ion:119 Resp: 16034
Ion Ratio Lower Upper
119 100
91 3840.7 32.3 96.8
134 0.0 12.6 37.6#

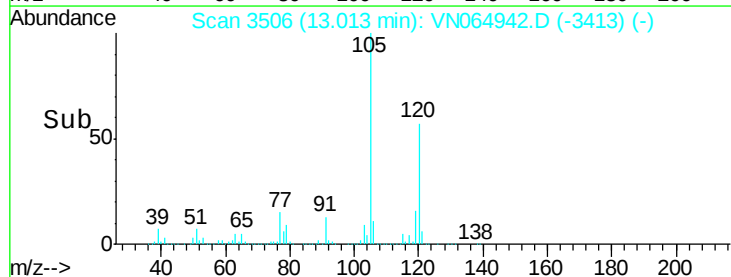
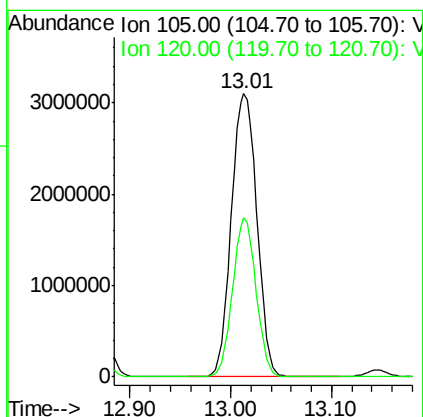
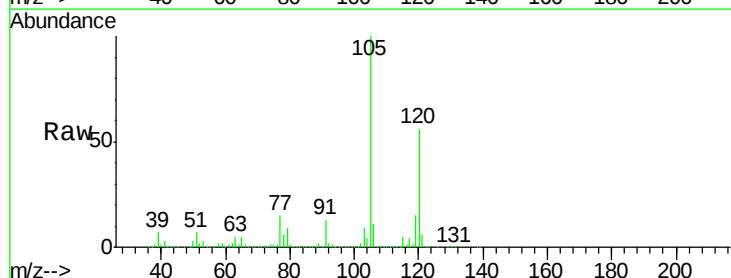
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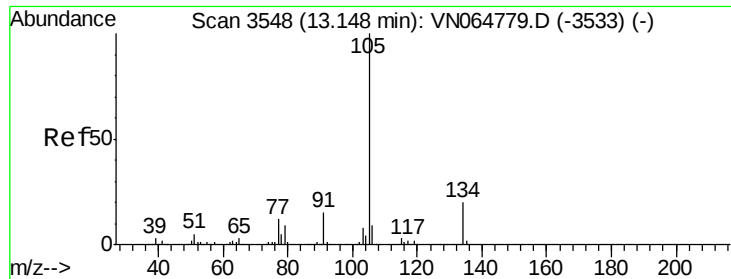
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#84
1,2,4-Trimethylbenzene
Concen: 543.062 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Tgt Ion:105 Resp: 5457148
Ion Ratio Lower Upper
105 100
120 51.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 11.186 ug/l m

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6712-120120RE

Tot Ion:105 Resp: 123725

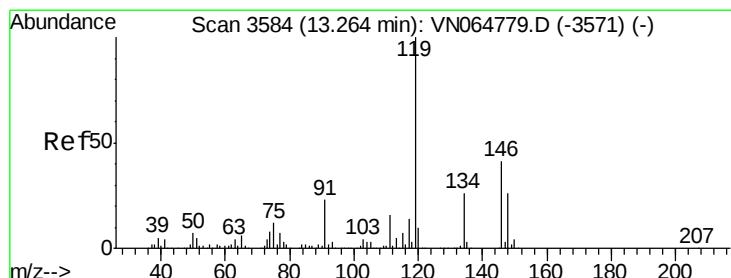
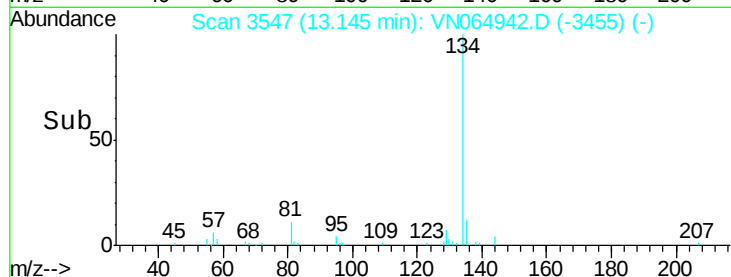
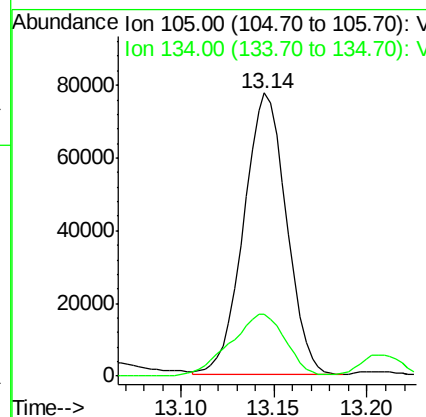
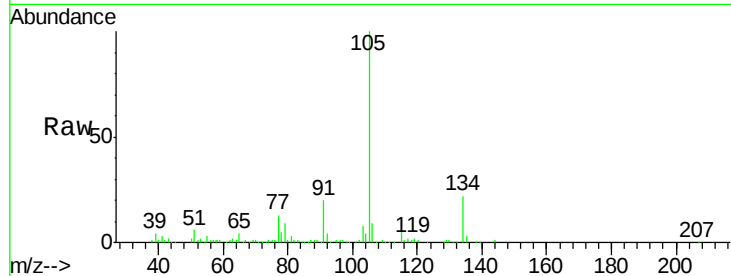
Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#

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#86

p-Isopropyltoluene

Concen: 13.693 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064942.D

Acq: 7 Dec 2020 13:59

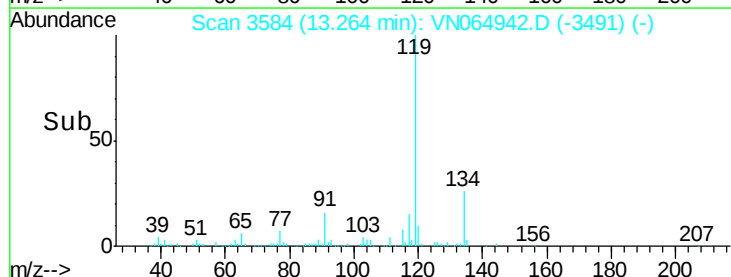
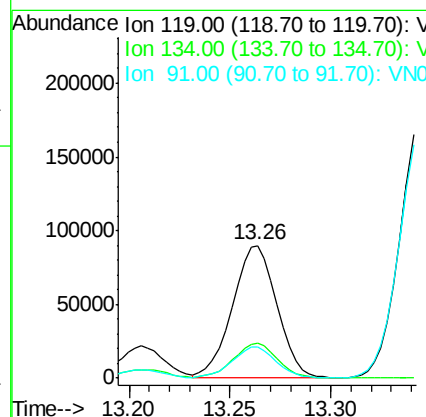
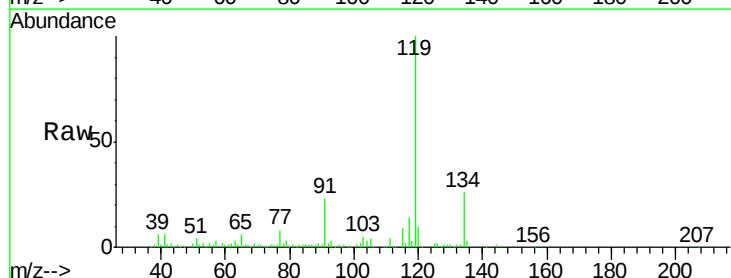
Tgt Ion:119 Resp: 137892

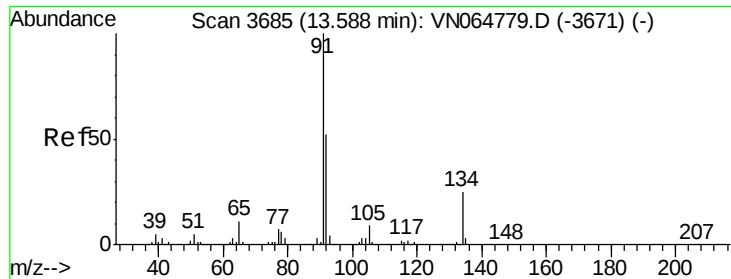
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 22.5 11.5 34.5





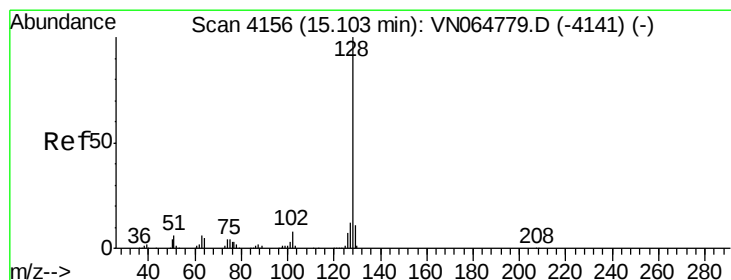
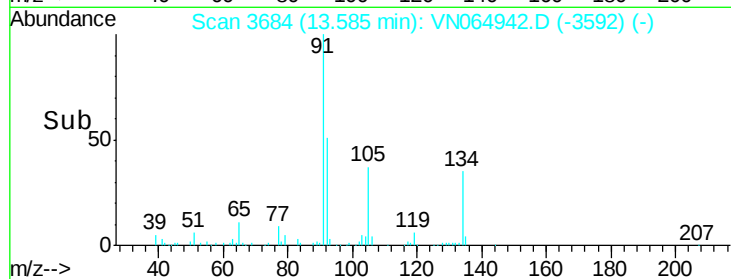
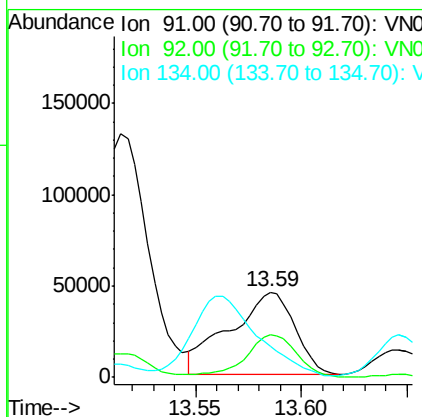
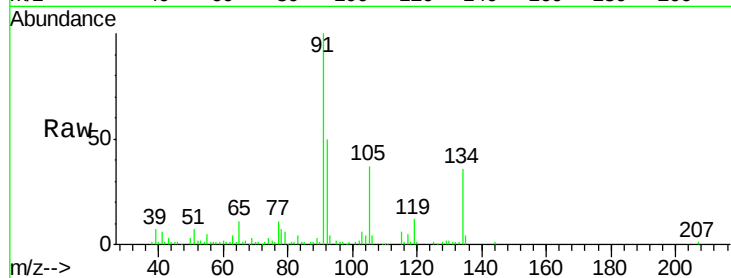
#89
n-Butylbenzene
Concen: 11.013 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6712-120120RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	39.7	26.0	78.0
134	0.0	12.9	38.6

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#95
Naphthalene
Concen: 216.780 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064942.D
Acq: 7 Dec 2020 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.7	8.7	13.1

