

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064943.D
 Acq On : 7 Dec 2020 14:23
 Operator : JC/MD
 Sample : L4954-12RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD02-120120RE

Manual Integrations
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 12/8/2020 5:04:14 PM

Quant Time: Dec 08 09:00:43 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	198708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	352692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175116	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	108224	46.85	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.70%		
35) Dibromofluoromethane	7.55	113	102161	50.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.94%		
50) Toluene-d8	10.06	98	442184	53.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.92%		
62) 4-Bromofluorobenzene	12.37	95	175354	59.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	118.48%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.61	56	641698	199.301	ug/l	95
39) Methylcyclohexane	9.05	83	562511	166.648	ug/l	97
40) Benzene	8.00	78	8411	0.875	ug/l	95
52) Toluene	10.12	92	5867	0.992	ug/l	90
67) Ethyl Benzene	11.48	91	4044225	319.630	ug/l	95
68) m/p-Xylenes	11.59	106	286811	59.871	ug/l	98
69) o-Xylene	11.92	106	29670	6.527	ug/l	98
73) Isopropylbenzene	12.22	105	775814	63.693	ug/l	100
78) n-propylbenzene	12.56	91	1006290	72.520	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	396858	39.198	ug/l	100
83) tert-Butylbenzene	12.97	119	15749m	1.856	ug/l	
84) 1,2,4-Trimethylbenzene	13.01	105	5402470	527.766	ug/l	92
85) sec-Butylbenzene	13.14	105	121368m	10.772	ug/l	
86) p-Isopropyltoluene	13.26	119	137296	13.384	ug/l	99
89) n-Butylbenzene	13.59	91	97180	10.787	ug/l #	72
95) Naphthalene	15.10	128	2270382	213.848	ug/l	99

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

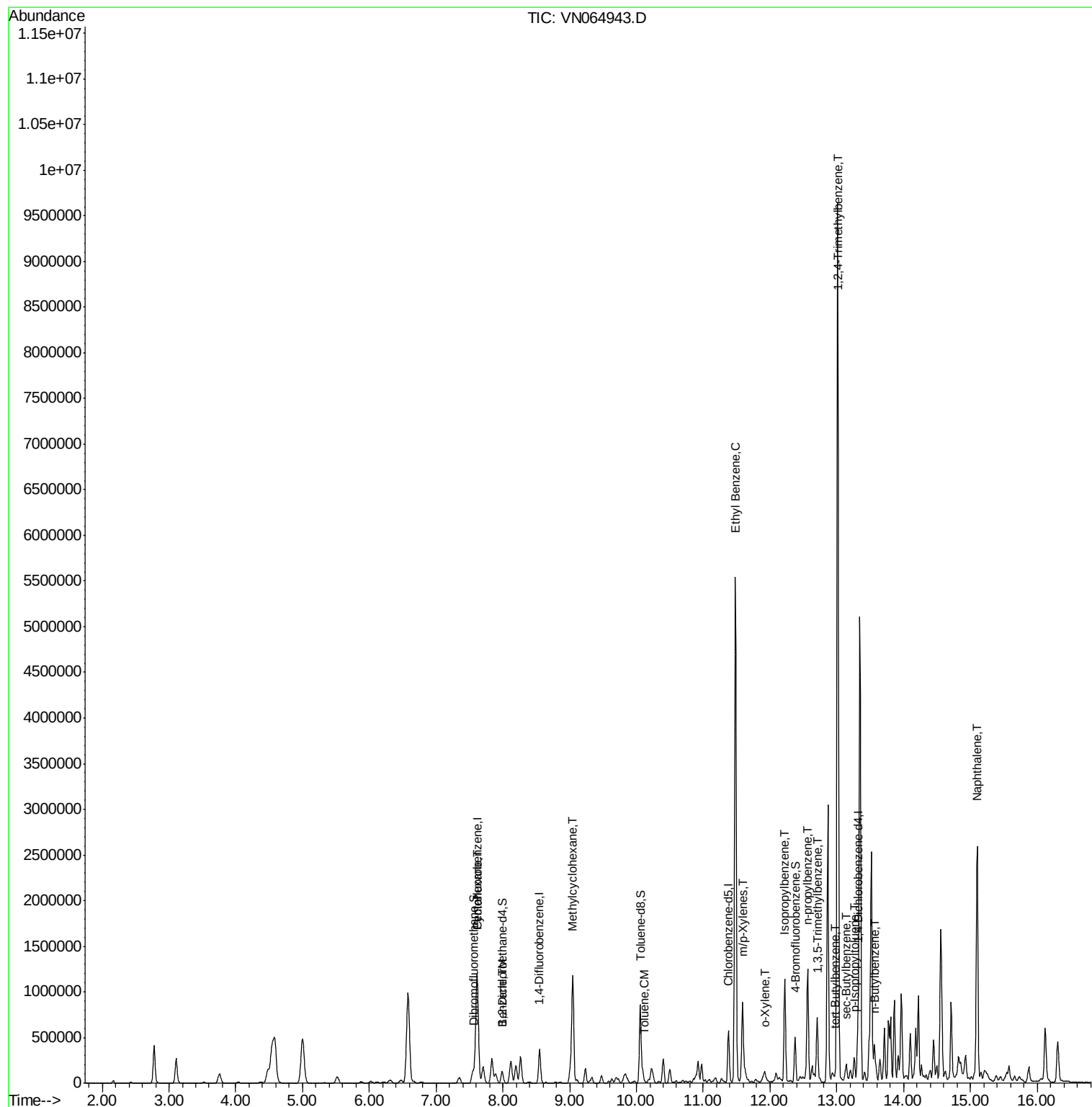
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
Data File : VN064943.D
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Sample : L4954-12RE
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

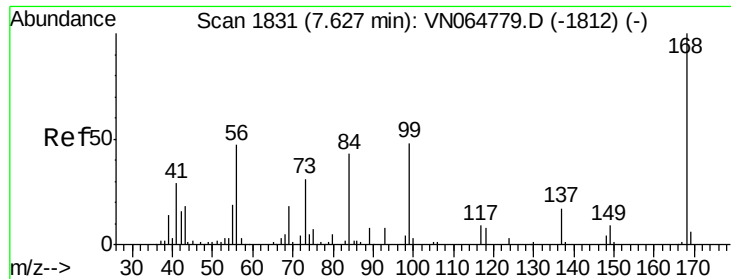
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120RE

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Quant Time: Dec 08 09:00:43 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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120RE

Tot Ion:168 Resp: 198708

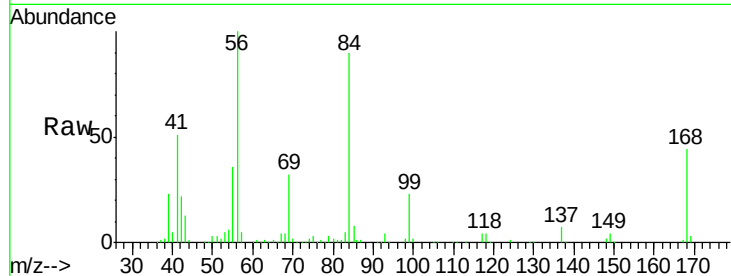
Ion Ratio Lower Upper

168 100

99 52.3 43.0 64.4

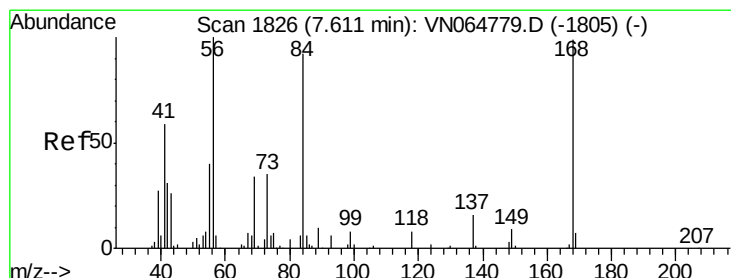
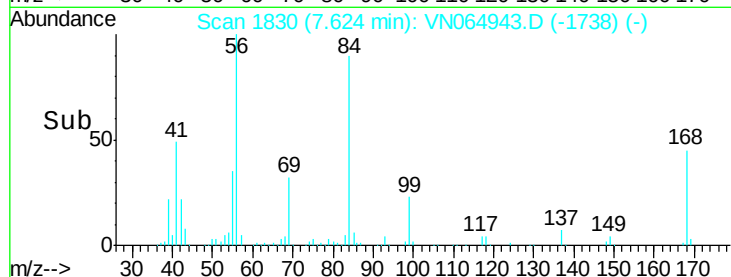
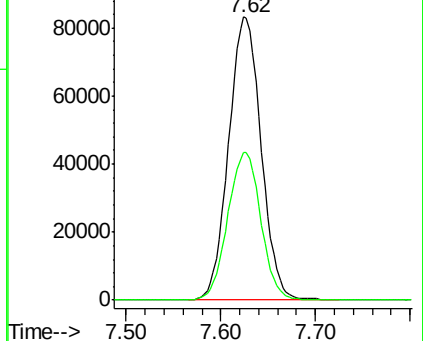
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#31

Cyclohexane

Concen: 199.301 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

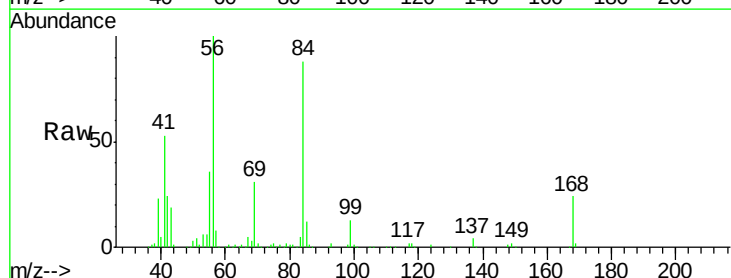
Tgt Ion: 56 Resp: 641698

Ion Ratio Lower Upper

56 100

69 31.2 27.5 41.3

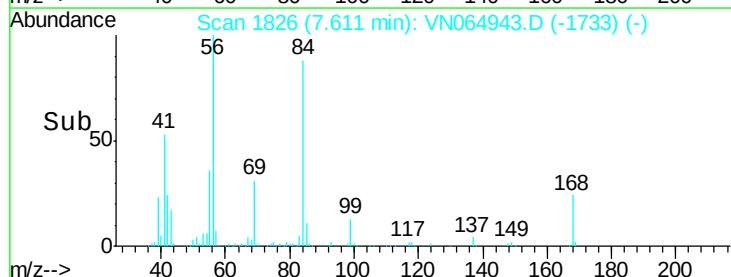
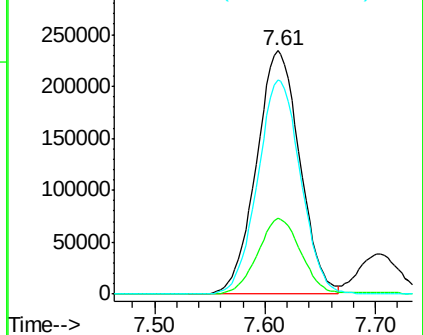
84 88.2 73.9 110.9

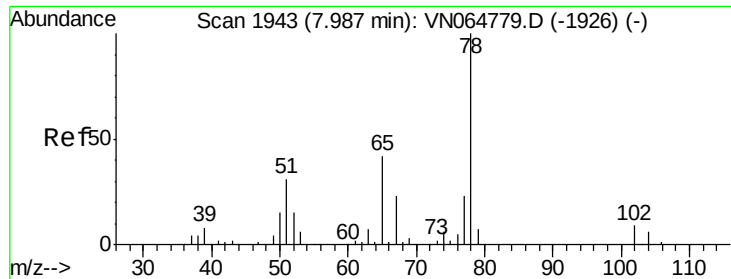


Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN





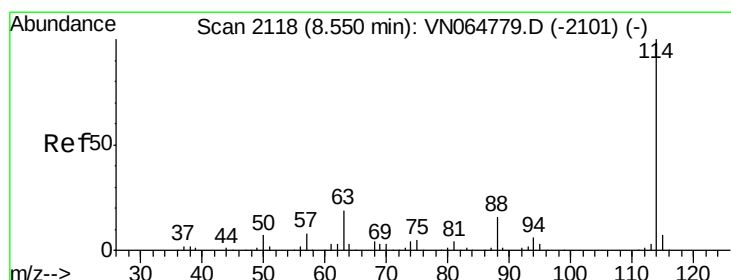
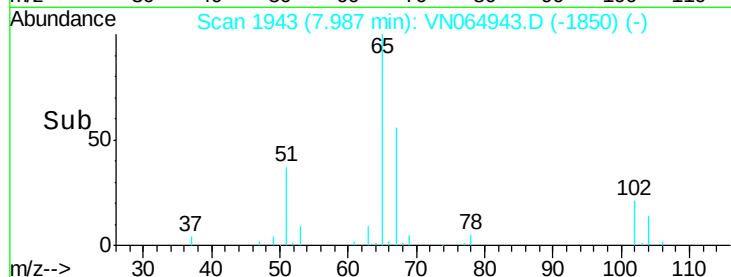
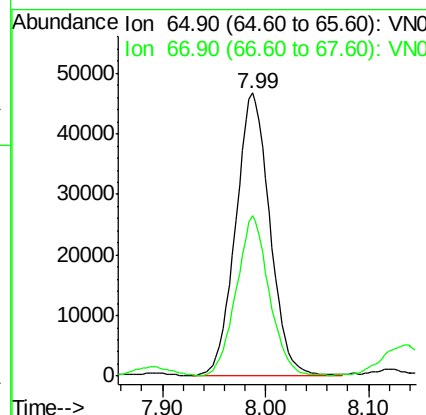
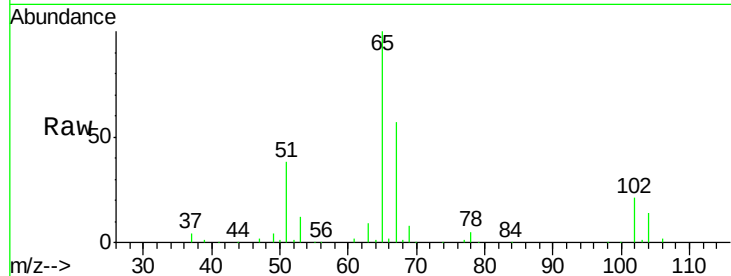
#33
 1,2-Dichloroethane-d4
 Concen: 46.848 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064943.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD02-120120RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108224		
67	54.6	0.0	108.2	

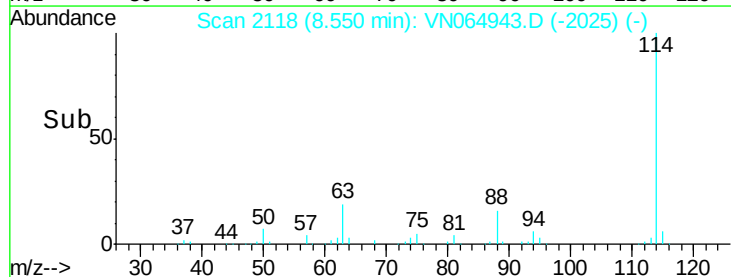
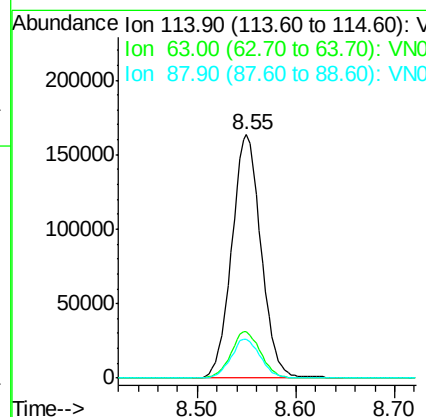
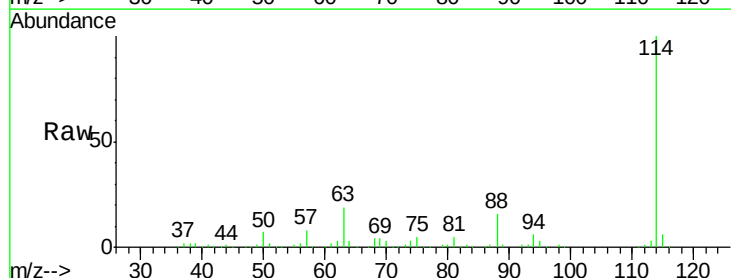
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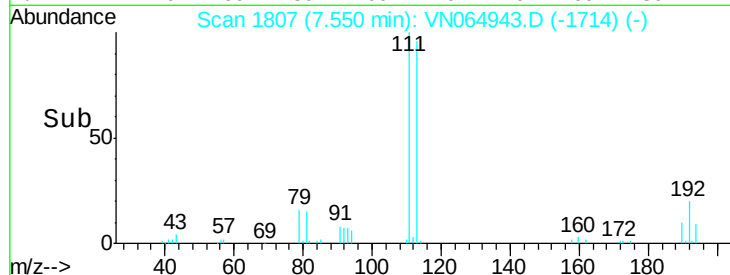
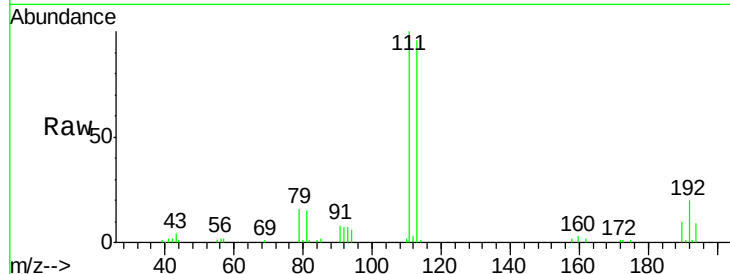
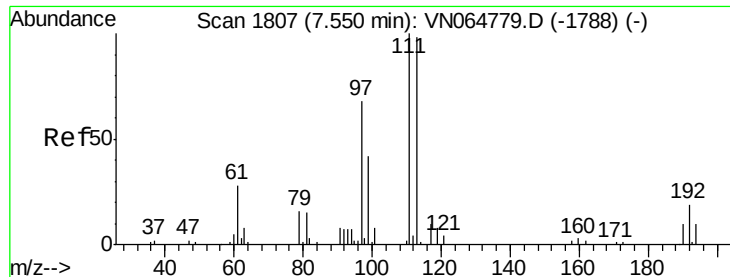
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064943.D
 Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338285		
63	18.9	0.0	38.6	
88	15.7	0.0	32.6	





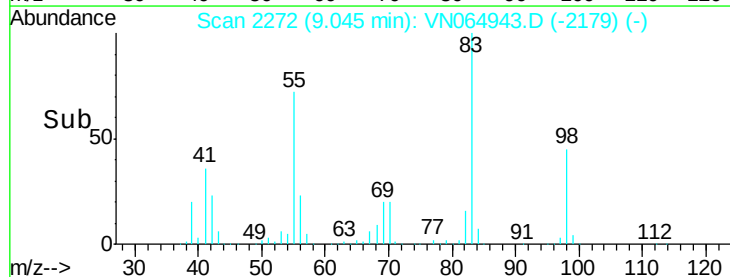
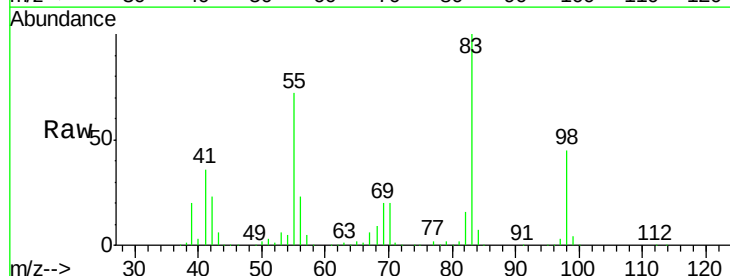
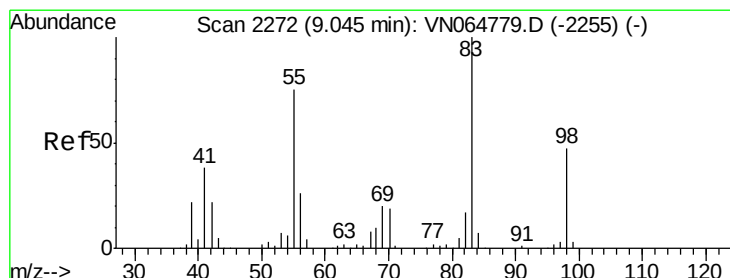
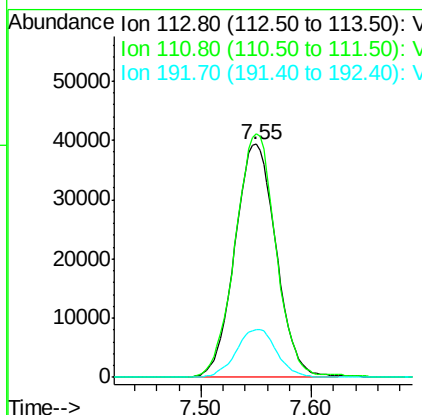
#35
Dibromofluoromethane
Concen: 50.470 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102161		
111	102.2	81.6	122.4	
192	20.2	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120RE

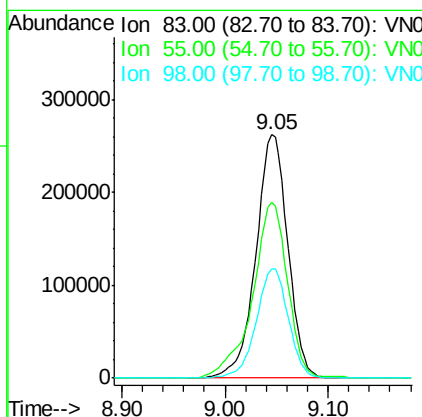
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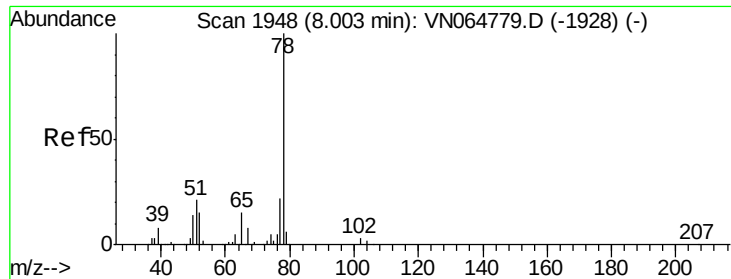
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#39
Methylcyclohexane
Concen: 166.648 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	562511		
55	72.3	60.2	90.2	
98	44.9	37.4	56.2	





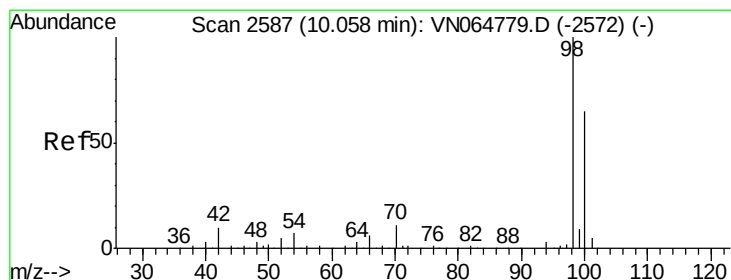
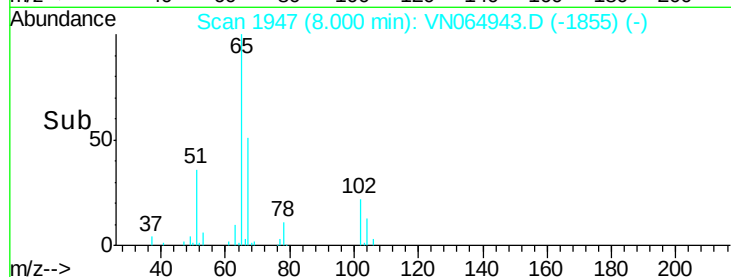
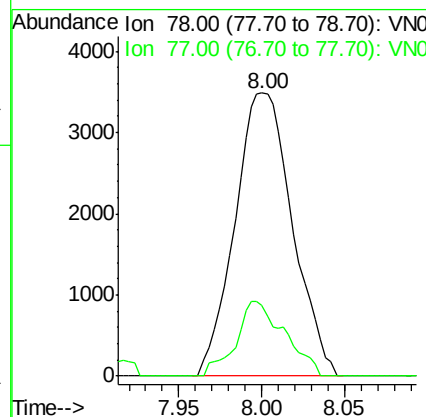
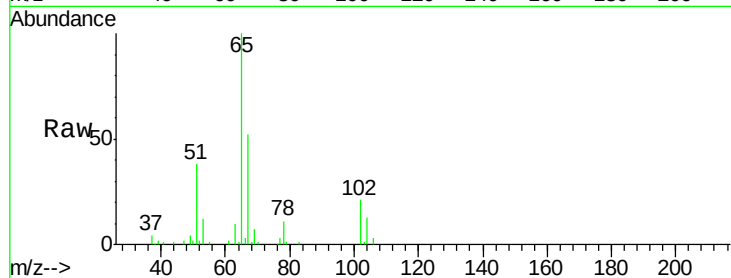
#40
Benzene
Concen: 0.875 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120RE

Tot Ion: 78 Resp: 8411
Ion Ratio Lower Upper
78 100
77 25.0 17.9 26.9

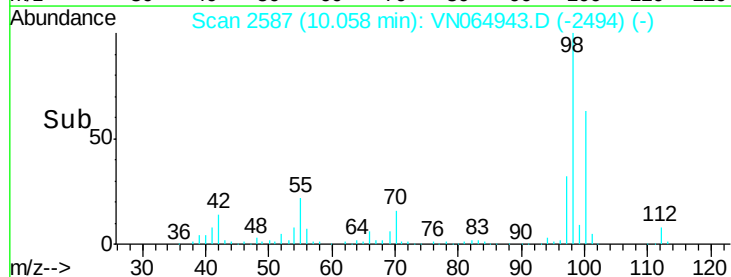
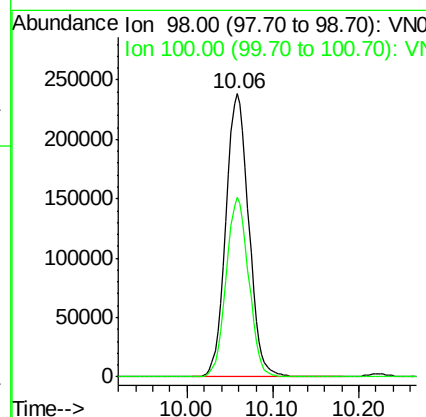
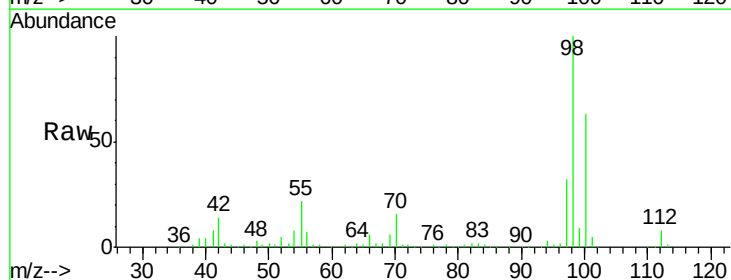
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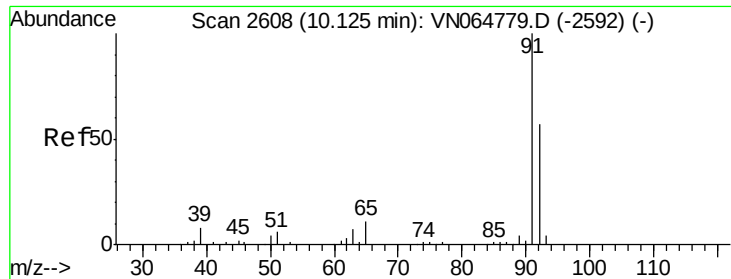
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#50
Toluene-d8
Concen: 53.464 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Tgt Ion: 98 Resp: 442184
Ion Ratio Lower Upper
98 100
100 62.3 51.7 77.5





#52

Toluene

Concen: 0.992 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120RE

Tot Ion: 92 Resp: 5867

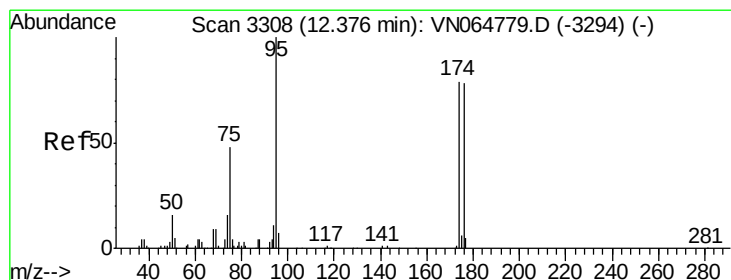
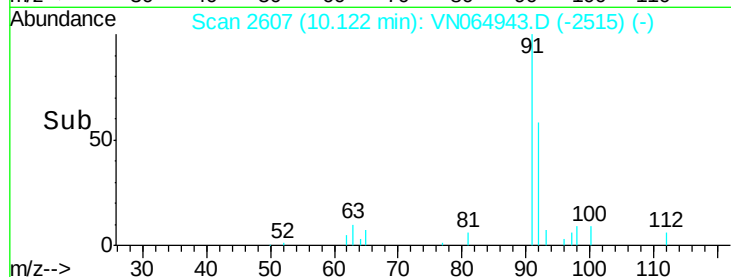
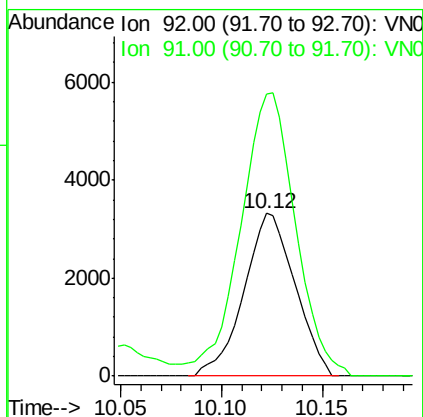
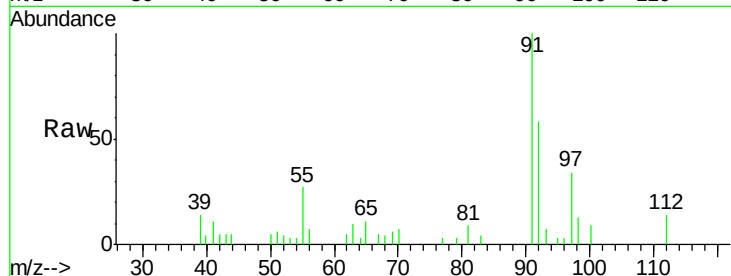
Ion Ratio Lower Upper

92 100

91 187.6 139.1 208.7

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#62

4-Bromofluorobenzene

Concen: 59.243 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

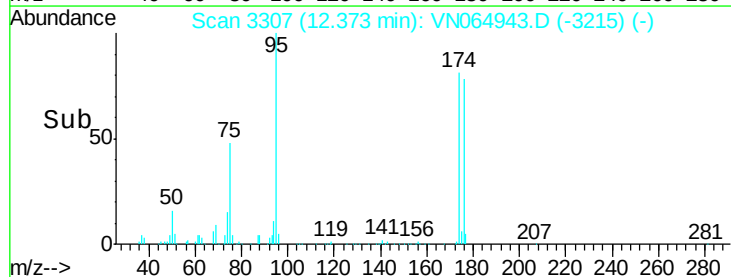
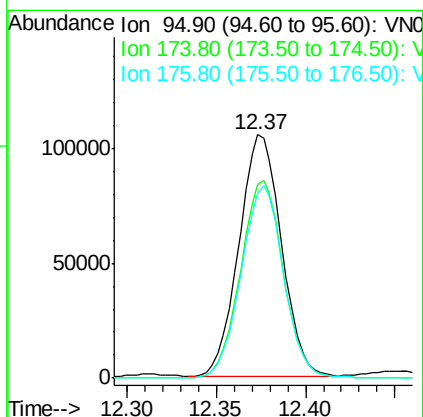
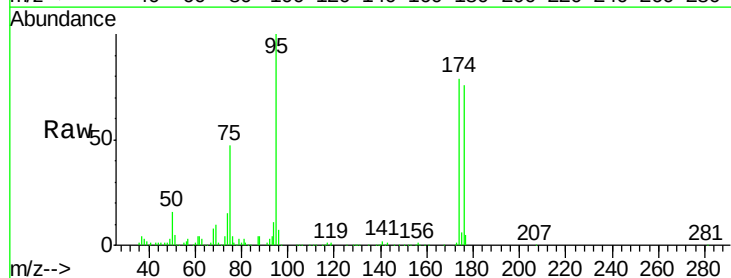
Tgt Ion: 95 Resp: 175354

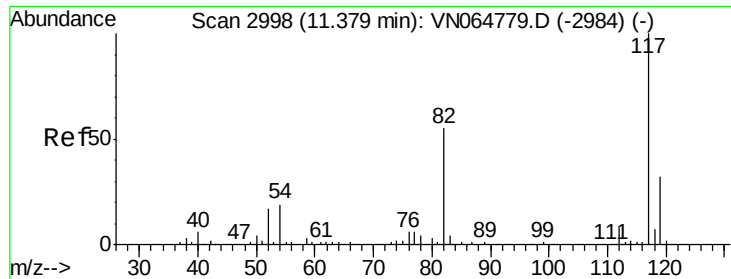
Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.4

176 79.6 0.0 158.4





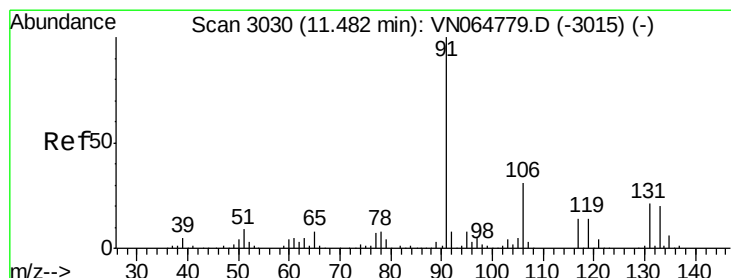
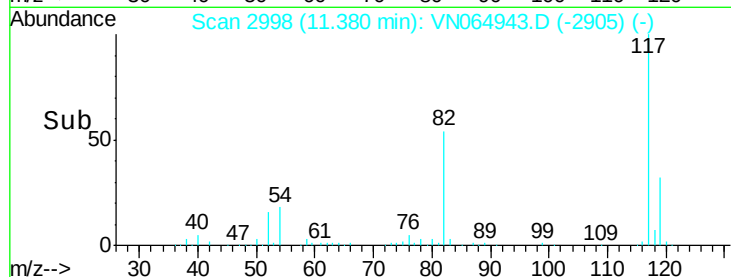
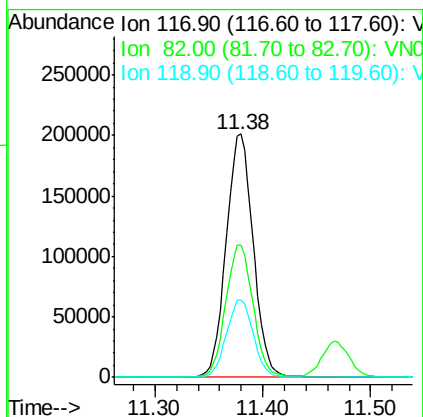
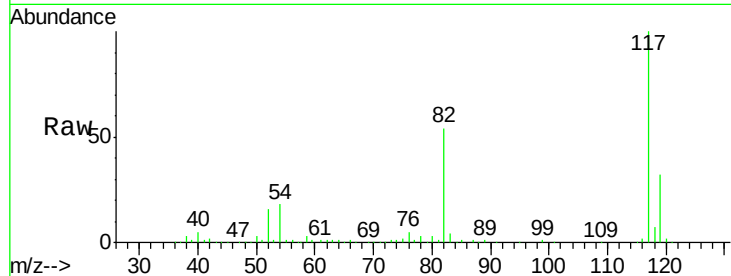
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120RE

Tot Ion:117 Resp: 352692
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.9 25.8 38.6

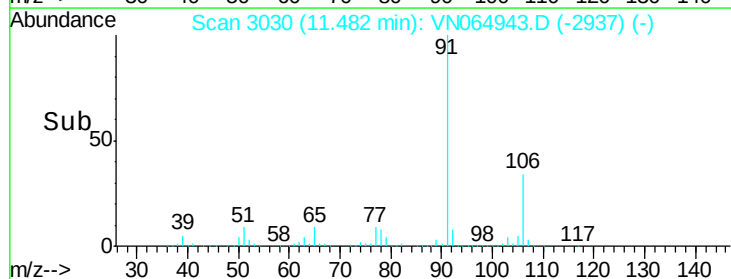
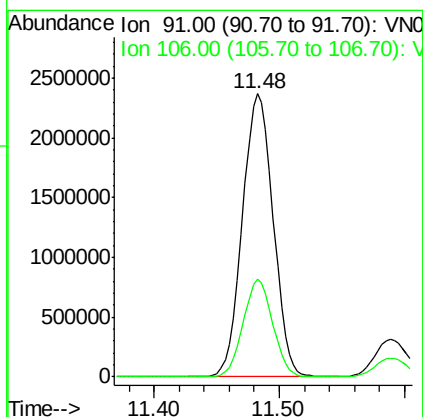
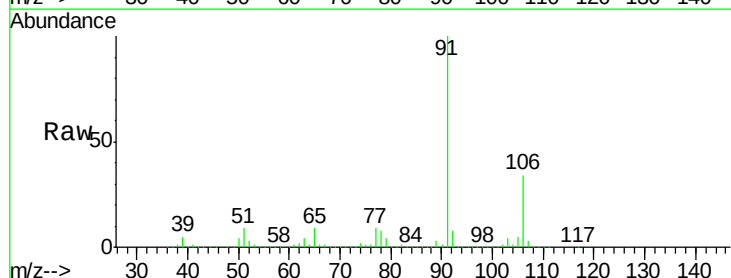
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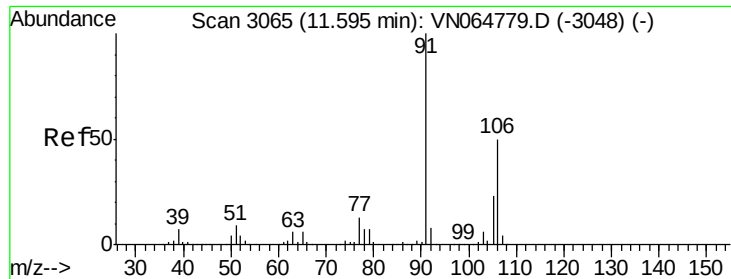
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#67
Ethyl Benzene
Concen: 319.630 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Tgt Ion: 91 Resp: 4044225
Ion Ratio Lower Upper
91 100
106 34.5 25.2 37.8





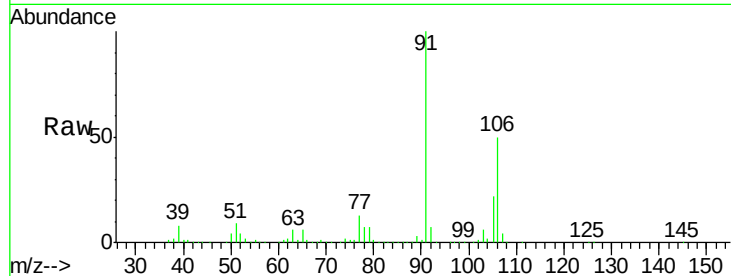
#68
m/p-Xylenes
Concen: 59.871 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120RE

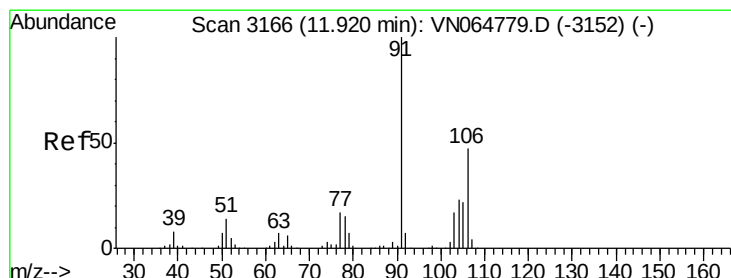
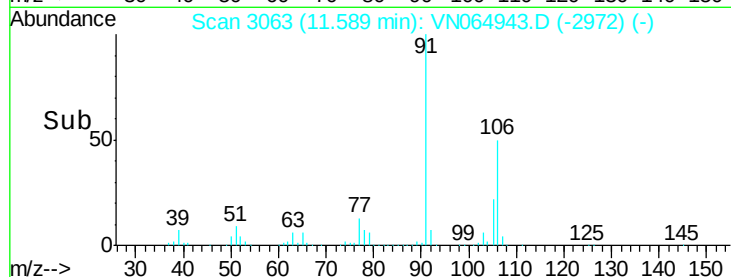
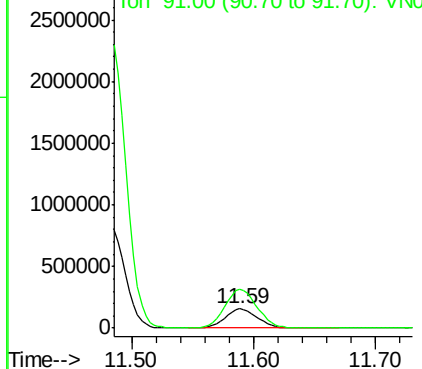
Tot Ion:106 Resp: 286811
Ion Ratio Lower Upper
106 100
91 203.9 161.0 241.4

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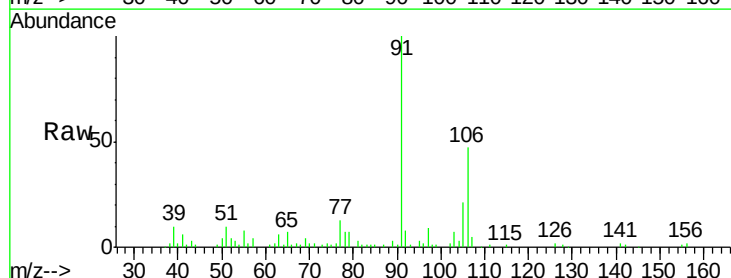


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

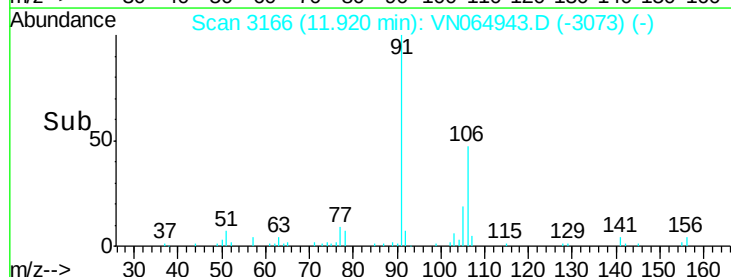
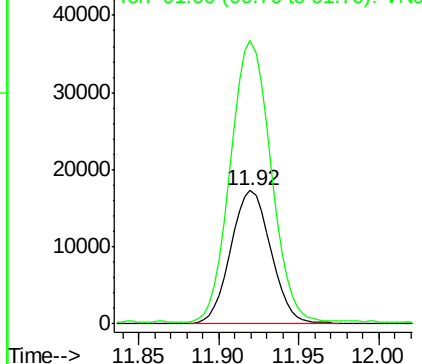


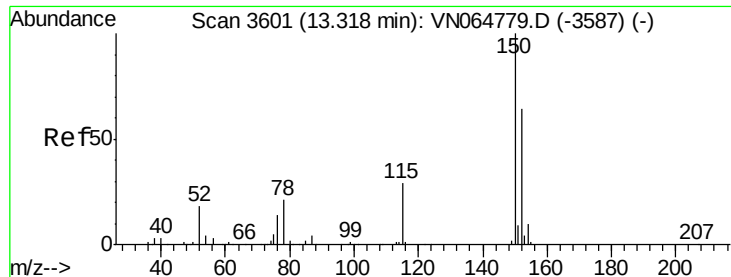
#69
o-Xylene
Concen: 6.527 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Tgt Ion:106 Resp: 29670
Ion Ratio Lower Upper
106 100
91 213.4 105.5 316.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120RE

Tot Ion:152 Resp: 175116

Ion Ratio Lower Upper

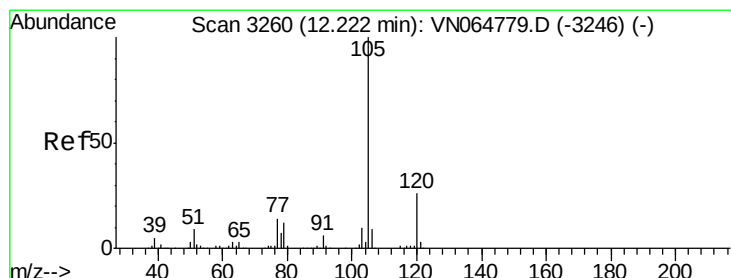
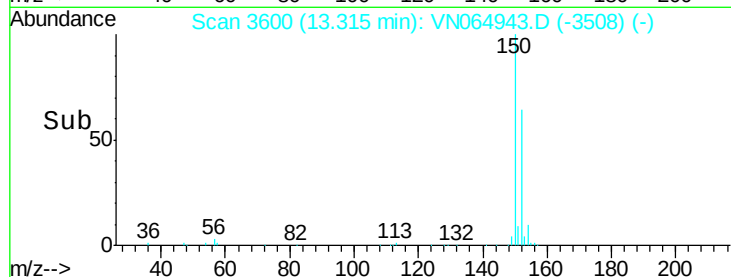
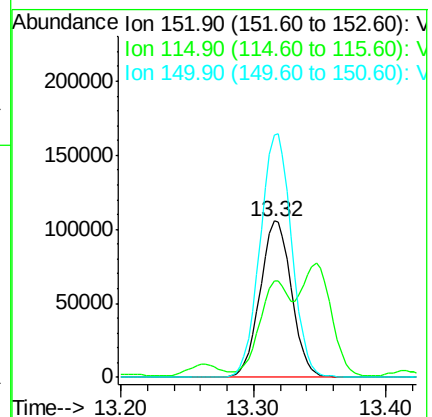
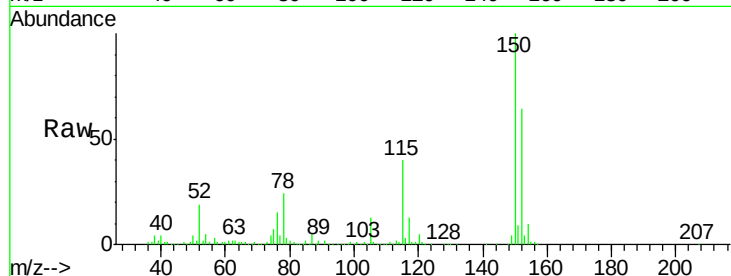
152 100

115 56.7 29.7 89.1

150 156.8 0.0 350.6

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#73

Isopropylbenzene

Concen: 63.693 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064943.D

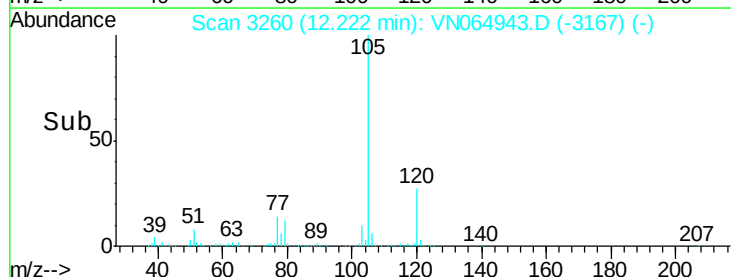
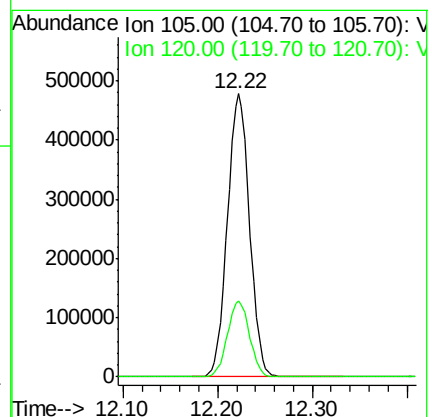
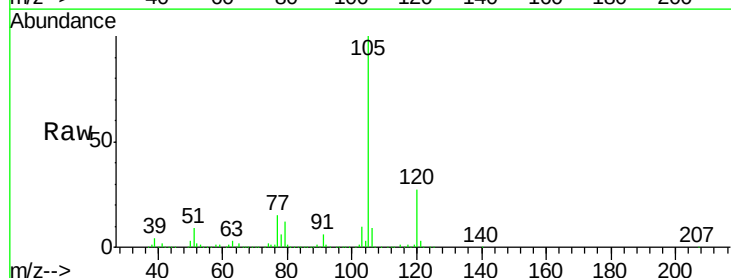
Acq: 7 Dec 2020 14:23

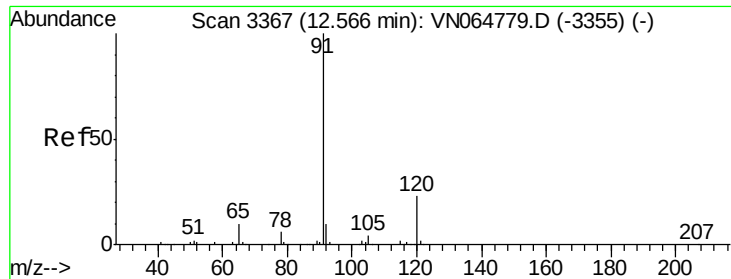
Tgt Ion:105 Resp: 775814

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9





#78

n-propylbenzene

Concen: 72.520 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120RE

Tot Ion: 91 Resp: 1006290

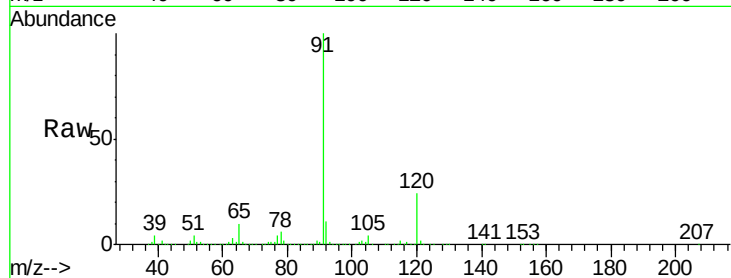
Ion Ratio Lower Upper

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

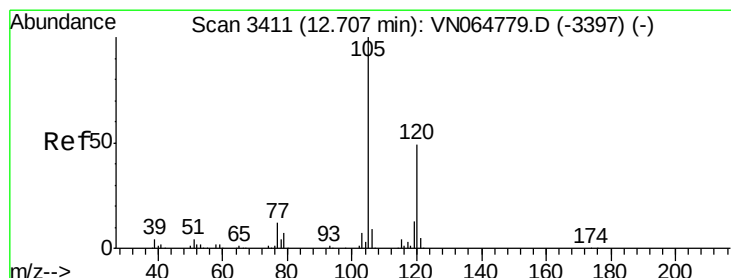
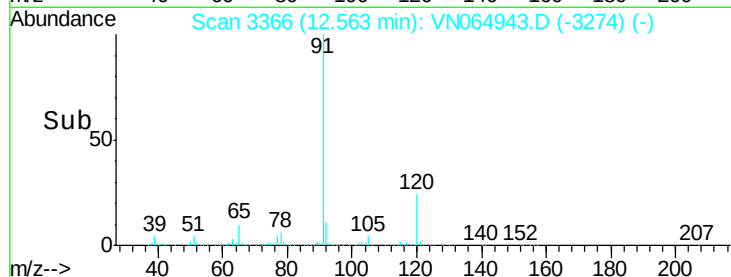
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 39.198 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064943.D

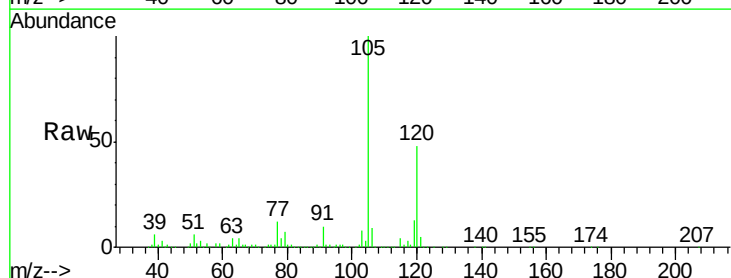
Acq: 7 Dec 2020 14:23

Tgt Ion: 105 Resp: 396858

Ion Ratio Lower Upper

105 100

120 48.9 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

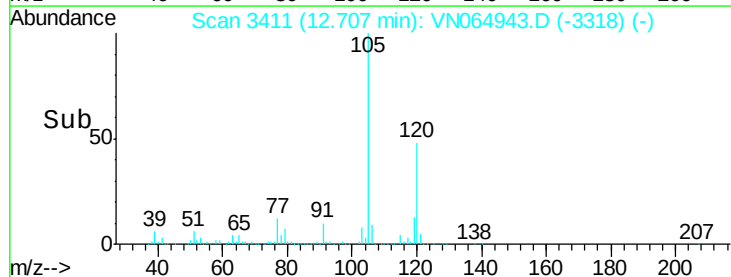
150000

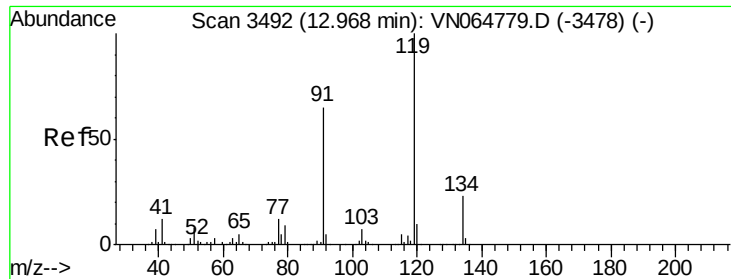
100000

50000

0

Time-->





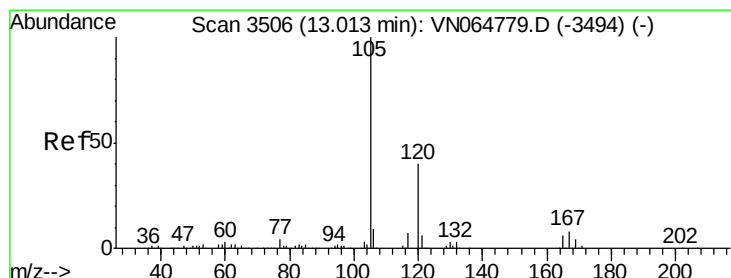
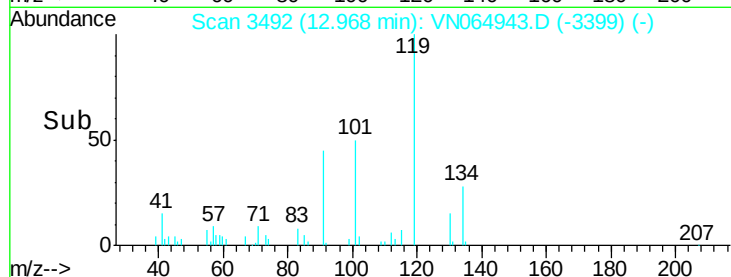
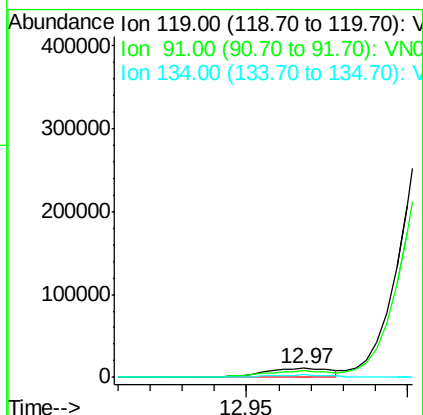
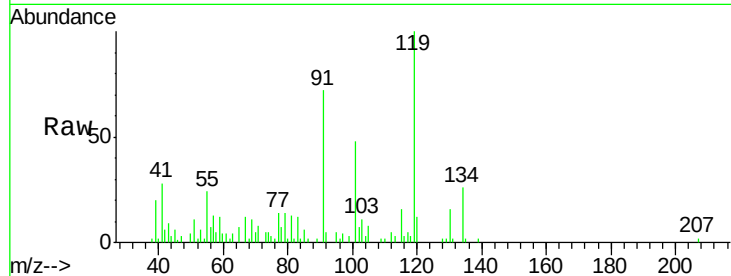
#83
 tert-Butylbenzene
 Concen: 1.856 ug/l m
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064943.D
 Acq: 7 Dec 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-FD02-120120RE

Tot Ion:119 Resp: 15749
 Ion Ratio Lower Upper
 119 100
 91 3862.4 32.3 96.8
 134 0.0 12.6 37.6#

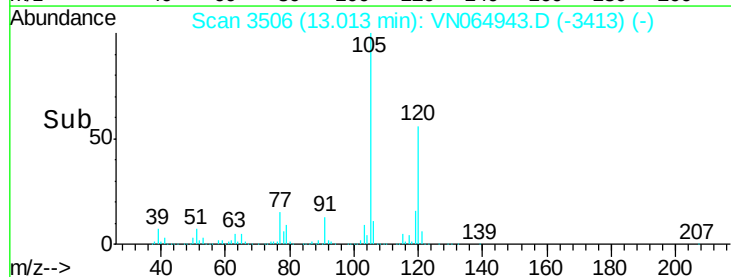
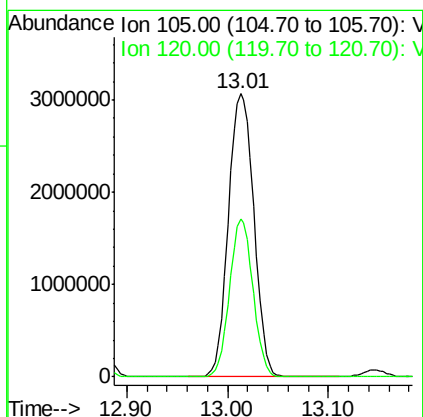
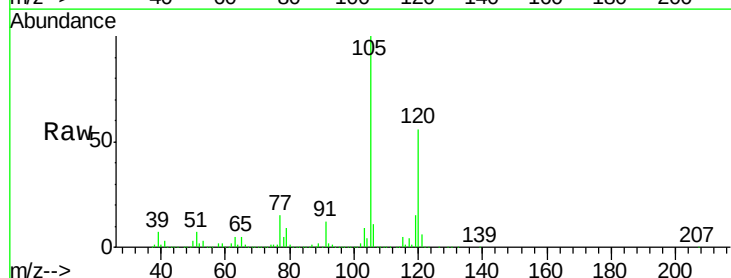
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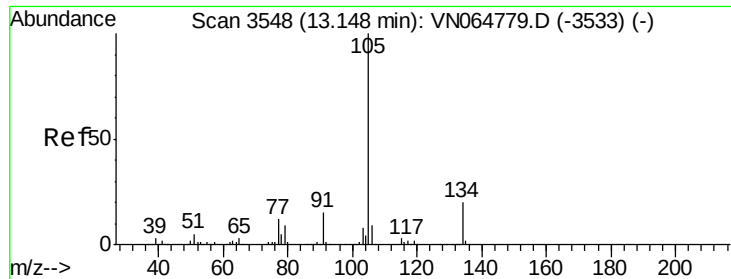
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#84
 1,2,4-Trimethylbenzene
 Concen: 527.766 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064943.D
 Acq: 7 Dec 2020 14:23

Tgt Ion:105 Resp: 5402470
 Ion Ratio Lower Upper
 105 100
 120 51.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 10.772 ug/l m

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-FD02-120120RE

Tot Ion:105 Resp: 121368

Ion Ratio Lower Upper

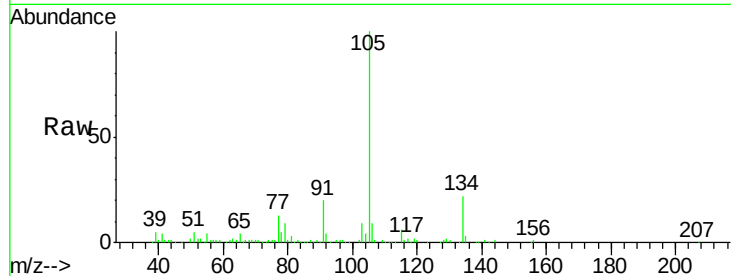
105 100

134 0.0 10.1 30.1#

Manual Integrations
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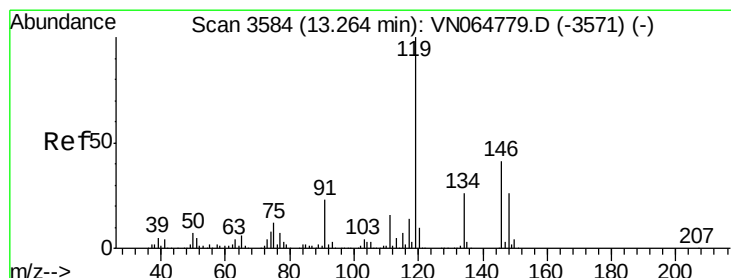
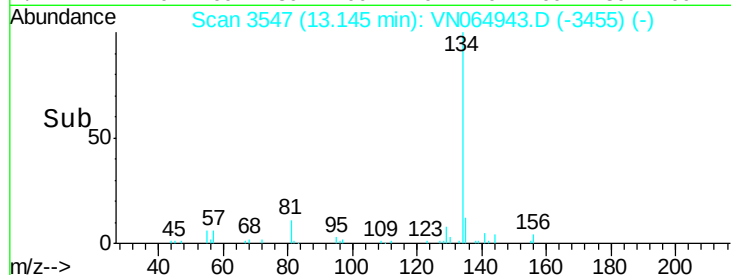
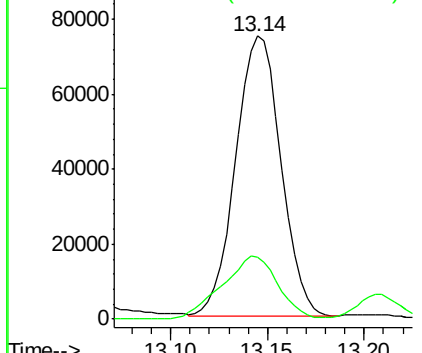
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 13.384 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064943.D

Acq: 7 Dec 2020 14:23

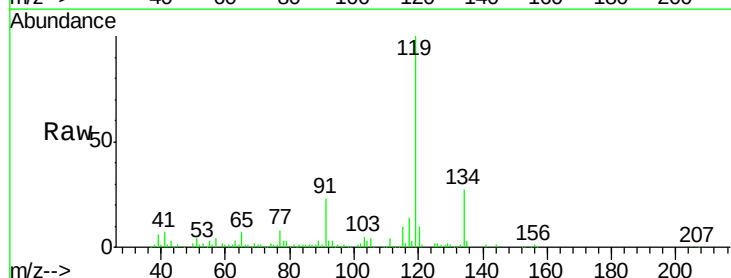
Tgt Ion:119 Resp: 137296

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

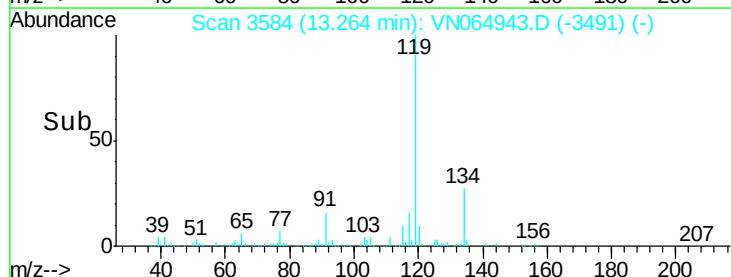
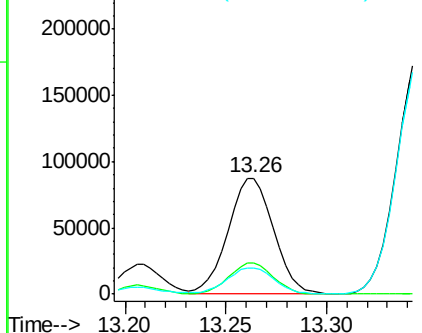
91 22.7 11.5 34.5

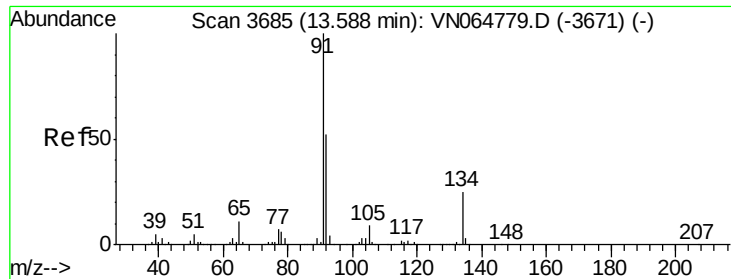


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





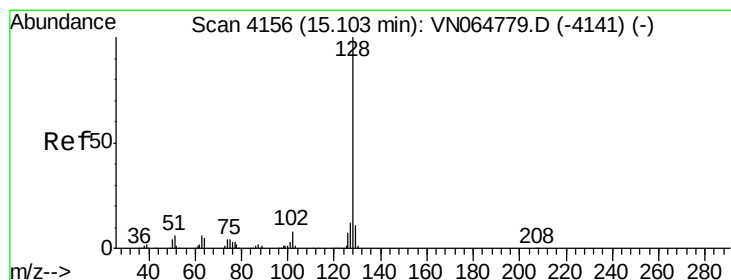
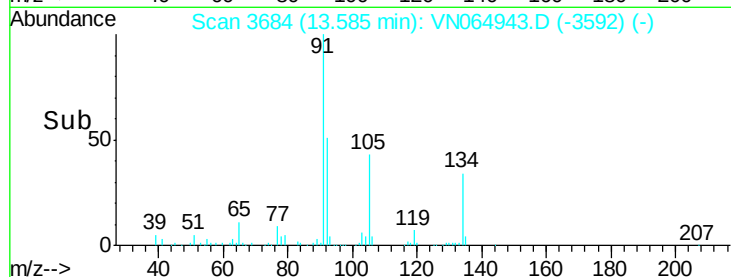
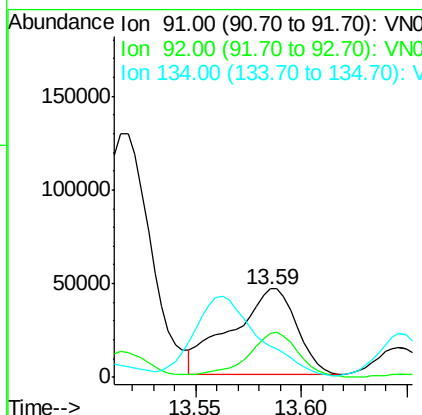
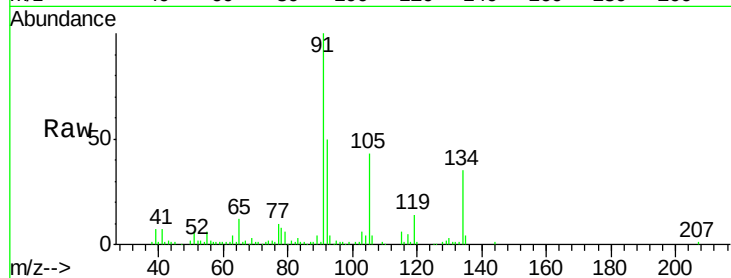
#89
n-Butylbenzene
Concen: 10.787 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-FD02-120120RE

Tot Ion	Ratio	Lower	Upper
91	100		
92	40.6	26.0	78.0
134	0.0	12.9	38.6

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#95
Naphthalene
Concen: 213.848 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064943.D
Acq: 7 Dec 2020 14:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.7	13.1

