

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064896.D
 Acq On : 3 Dec 2020 13:47
 Operator : JC/MD
 Sample : L4918-01
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20801

Manual Integrations
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SAM
 12/4/2020 5:43:26 PM

Quant Time: Dec 04 09:38:59 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	180740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	302871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	101457	48.28	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.56%
35) Dibromofluoromethane	7.54	113	86189	47.56	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.12%
50) Toluene-d8	10.06	98	383547	51.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.60%
62) 4-Bromofluorobenzene	12.37	95	158929	59.97	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	119.94%

Target Compounds

					Qvalue	
16) Acetone	3.78	43	15176784	21972.069	ug/l #	56
39) Methylcyclohexane	9.04	83	254136	84.093	ug/l	99
40) Benzene	7.99	78	20210	2.349	ug/l	98
52) Toluene	10.12	92	8701485	1642.469	ug/l #	64
67) Ethyl Benzene	11.48	91	542092	49.527	ug/l	100
68) m/p-Xylenes	11.59	106	783655	189.107	ug/l	99
69) o-Xylene	11.92	106	338719	86.135	ug/l	100
73) Isopropylbenzene	12.22	105	147197	12.853	ug/l	99
78) n-propylbenzene	12.56	91	642613	49.255	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	729660	76.651	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2799460	290.862	ug/l	100
85) sec-Butylbenzene	13.14	105	242442	22.885	ug/l	79
86) p-Isopropyltoluene	13.26	119	181018m	18.768	ug/l	
89) n-Butylbenzene	13.59	91	409584	48.356	ug/l #	73
95) Naphthalene	15.10	128	423425	42.418	ug/l	99

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

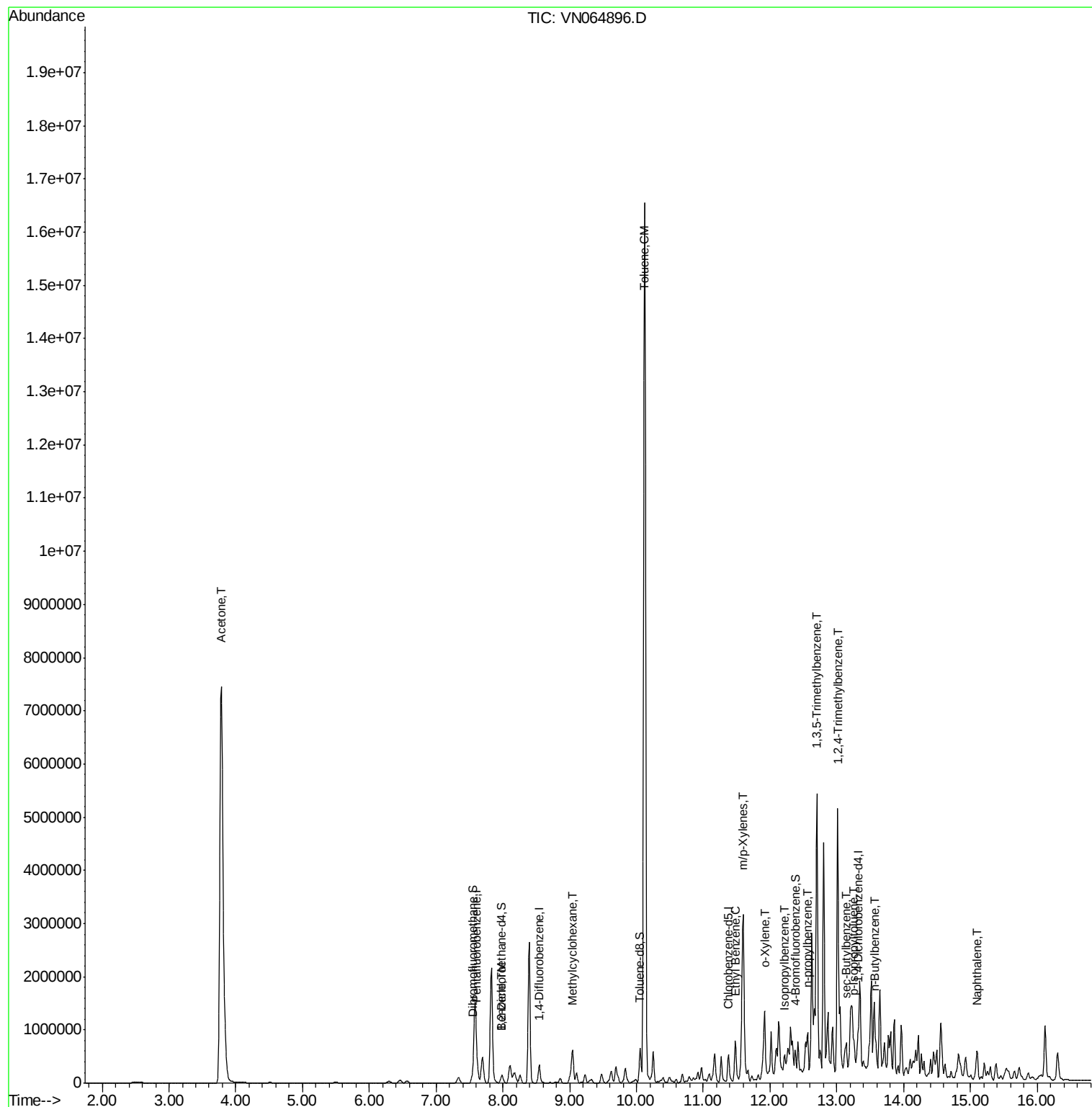
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
Data File : VN064896.D
Acq On : 3 Dec 2020 13:47
Operator : JC/MD
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Quant Time: Dec 04 09:38:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

20801

Tot Ion:168 Resp: 180740

Ion Ratio Lower Upper

168 100

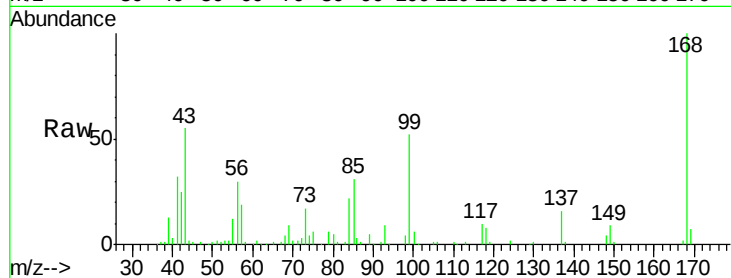
99 51.9 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

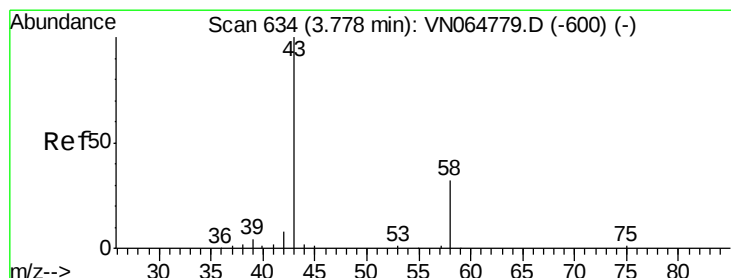
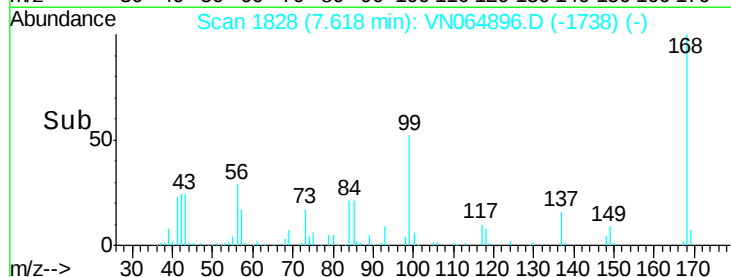
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 21972.069 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064896.D

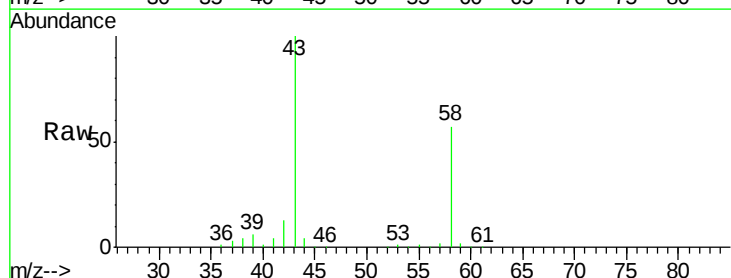
Acq: 3 Dec 2020 13:47

Tgt Ion: 43 Resp:15176784

Ion Ratio Lower Upper

43 100

58 56.6 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

4000000

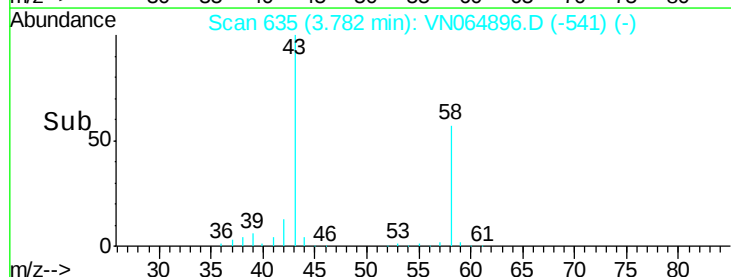
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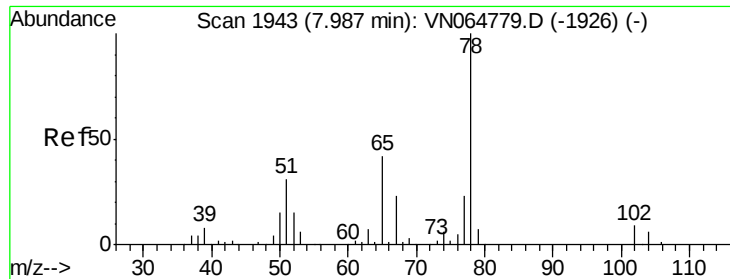
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Time-->





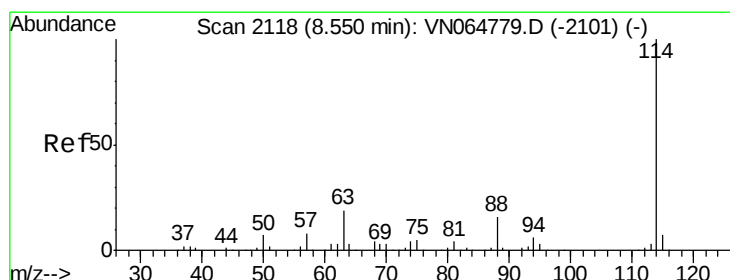
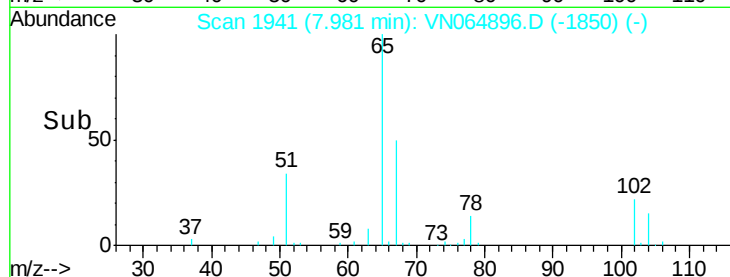
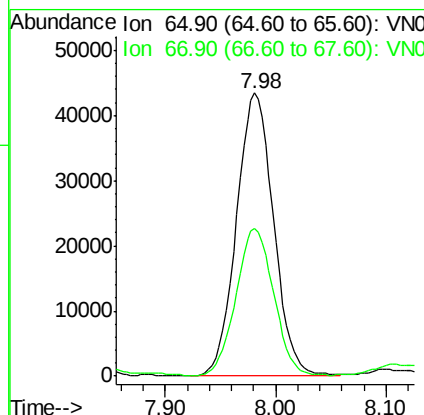
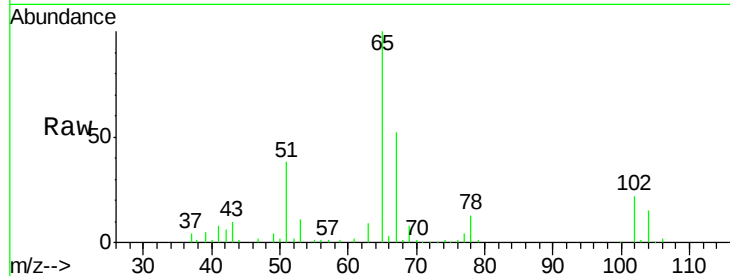
#33
 1,2-Dichloroethane-d4
 Concen: 48.285 ug/l
 RT: 7.98 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 20801

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101457		
67	53.2	0.0	108.2	

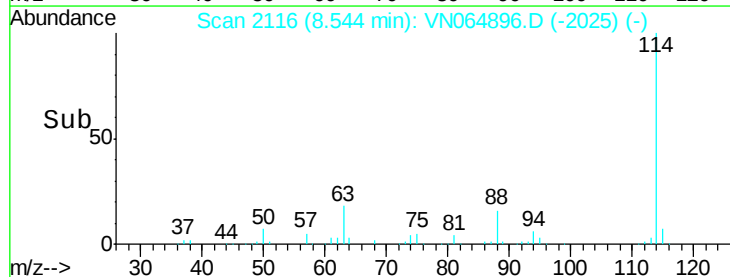
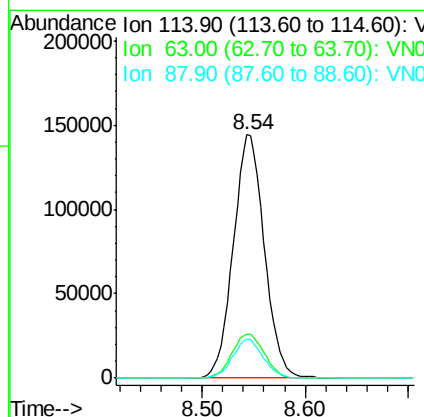
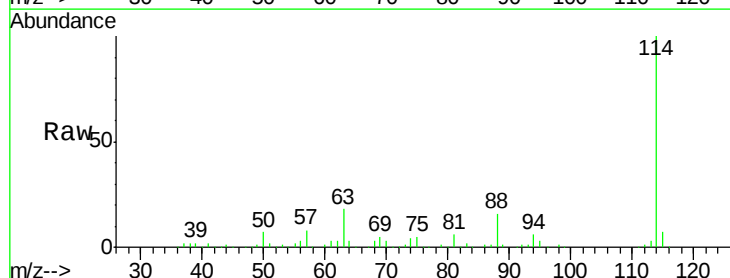
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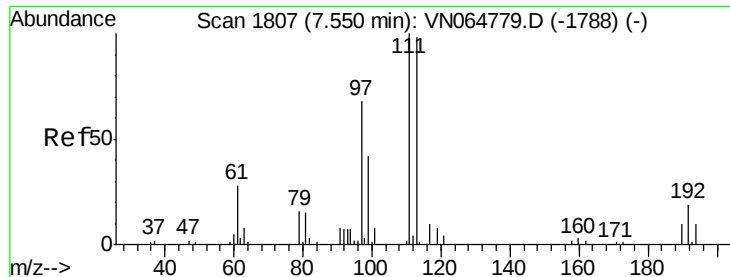
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302871		
63	18.1	0.0	38.6	
88	16.0	0.0	32.6	





#35

Dibromofluoromethane

Concen: 47.558 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

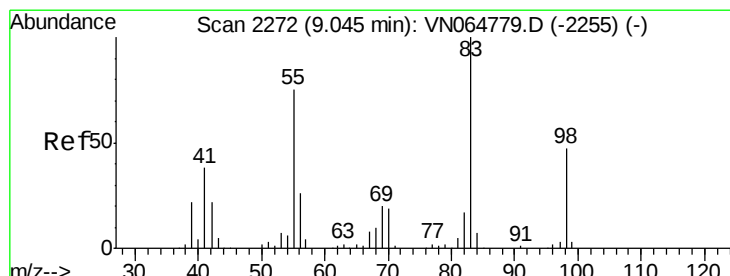
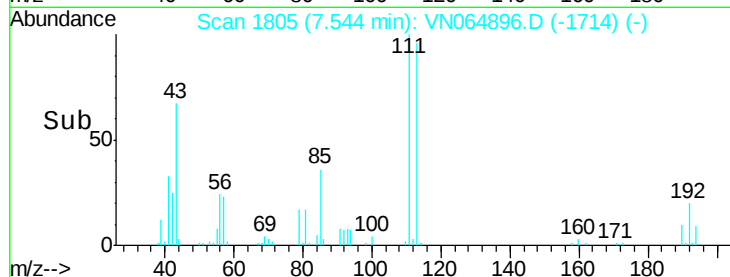
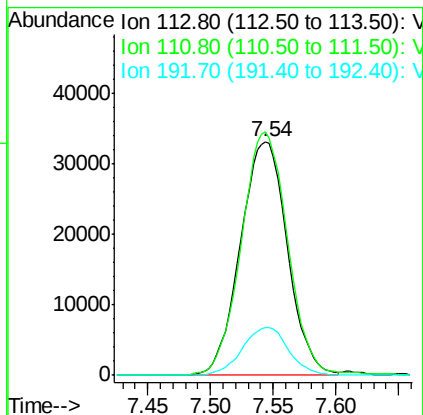
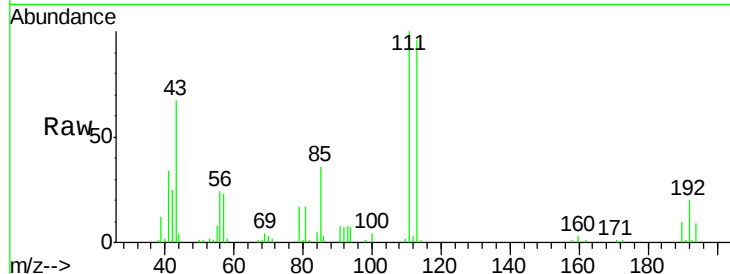
20801

Tot Ion:	113	Resp:	86189
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.6	122.4
192	20.1	16.2	24.2

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#39

Methylcyclohexane

Concen: 84.093 ug/l

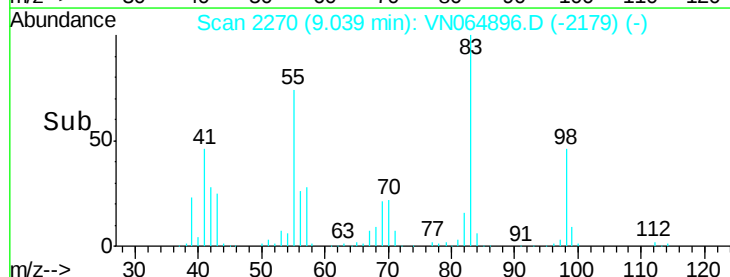
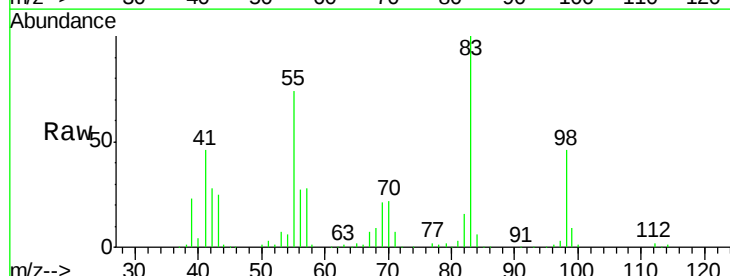
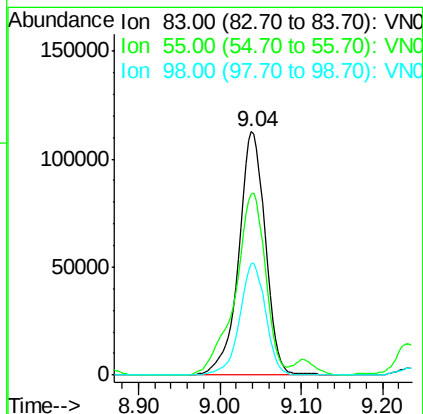
RT: 9.04 min Scan# 2270

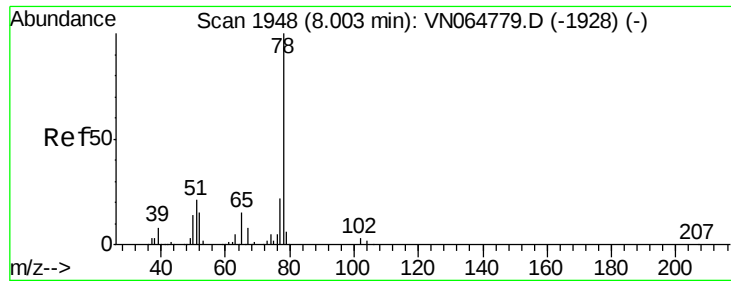
Delta R.T. -0.01 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Tgt Ion:	83	Resp:	254136
Ion	Ratio	Lower	Upper
83	100		
55	74.1	60.2	90.2
98	45.7	37.4	56.2





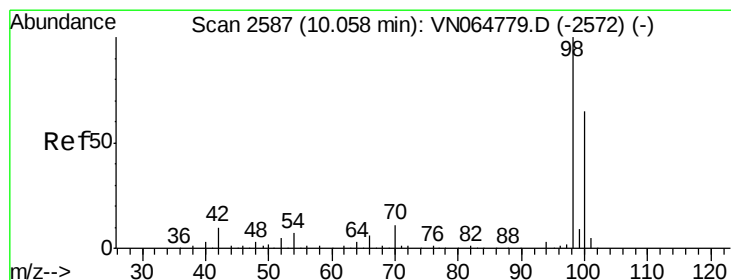
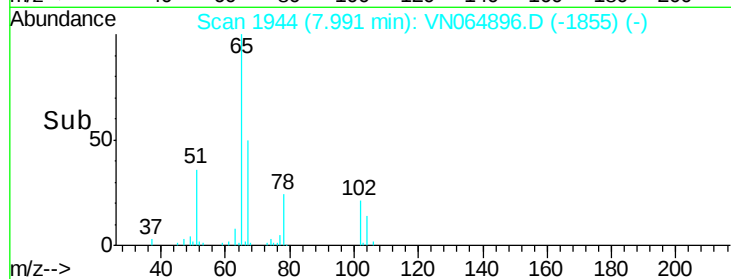
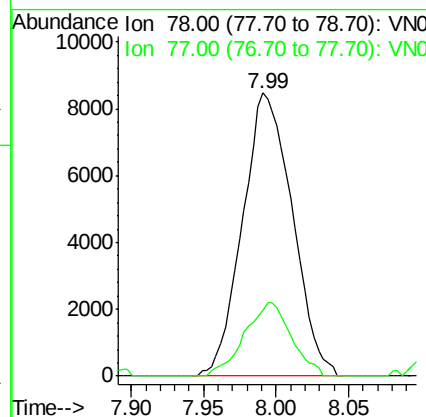
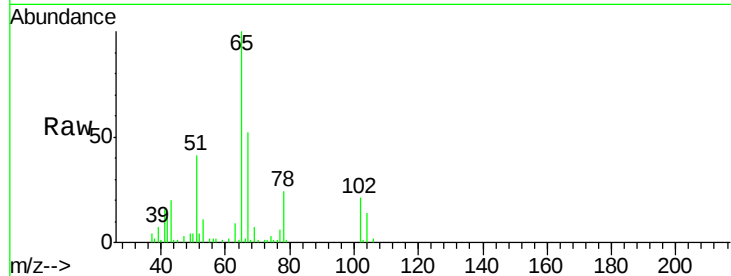
#40
Benzene
Concen: 2.349 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. -0.01 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
20801

Tot Ion: 78 Resp: 20210
Ion Ratio Lower Upper
78 100
77 23.4 17.9 26.9

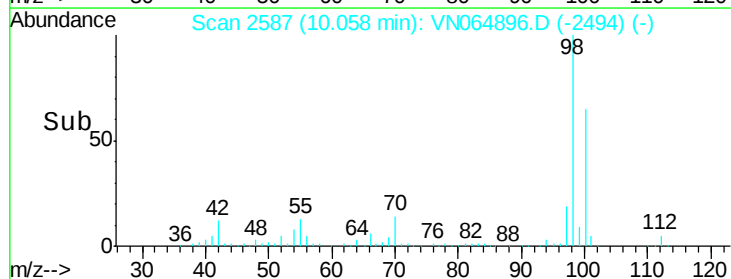
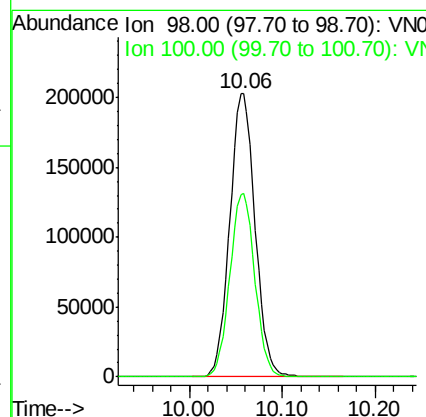
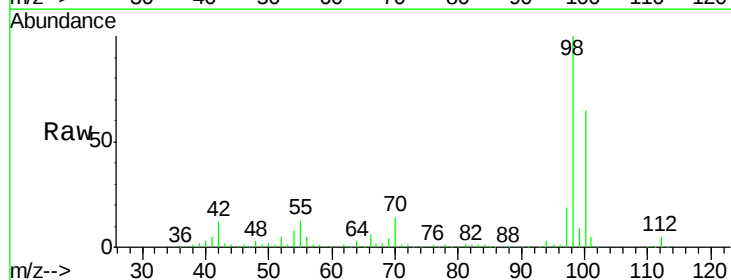
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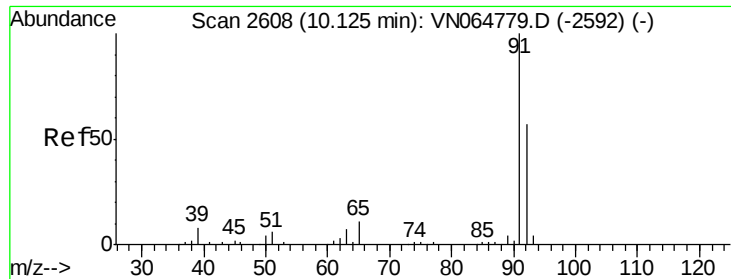
SAM
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#50
Toluene-d8
Concen: 51.797 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Tgt Ion: 98 Resp: 383547
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5





#52

Toluene

Concen: 1642.469 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

20801

Tot Ion: 92 Resp: 8701485

Ion Ratio Lower Upper

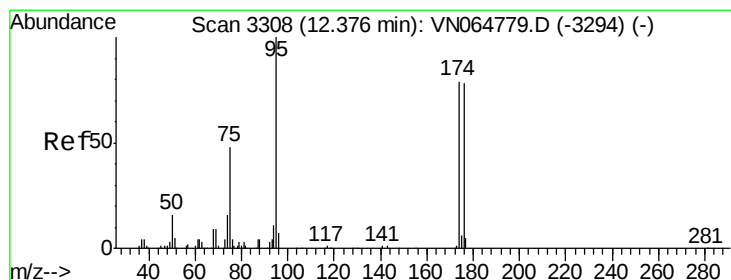
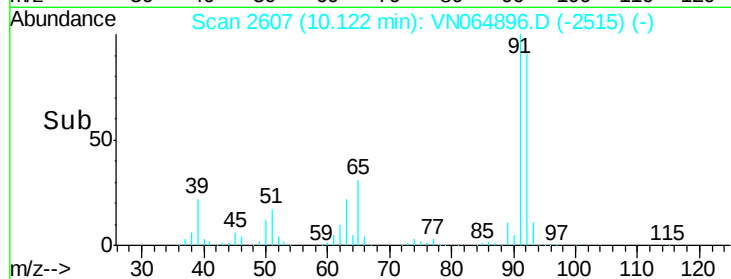
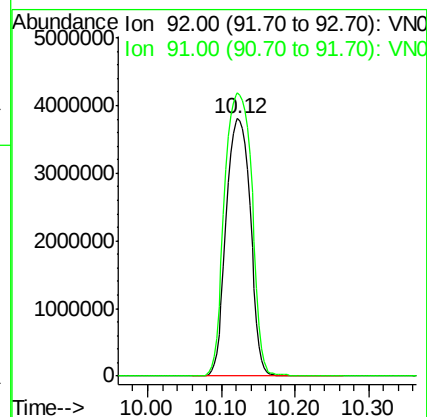
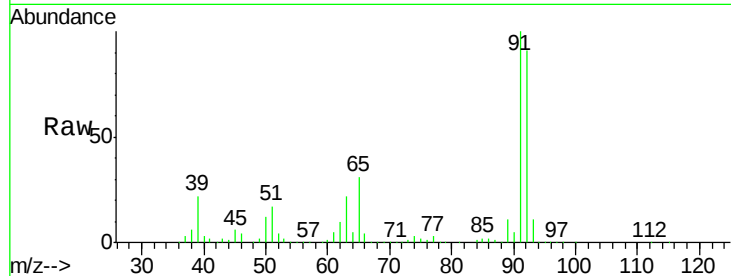
92 100

91 124.4 139.1 208.7#

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#62

4-Bromofluorobenzene

Concen: 59.972 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

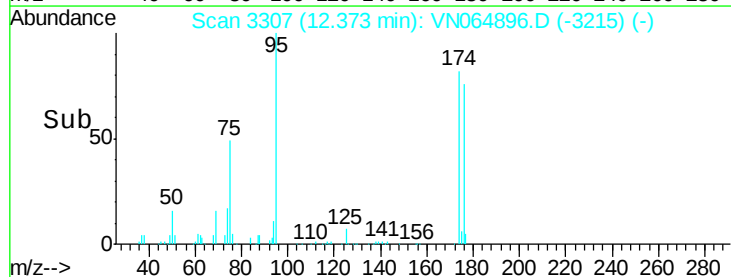
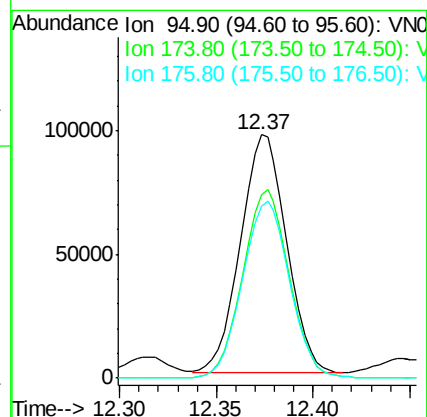
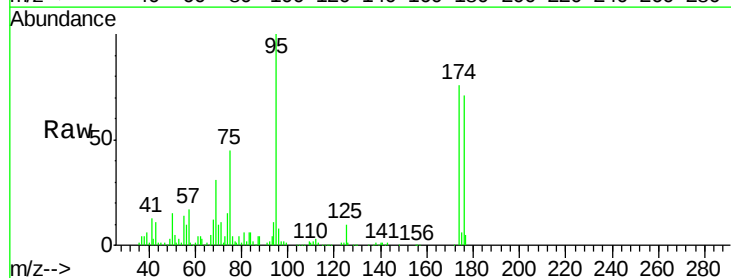
Tgt Ion: 95 Resp: 158929

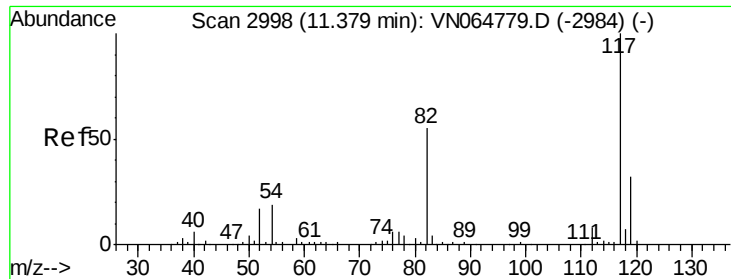
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.4

176 76.4 0.0 158.4





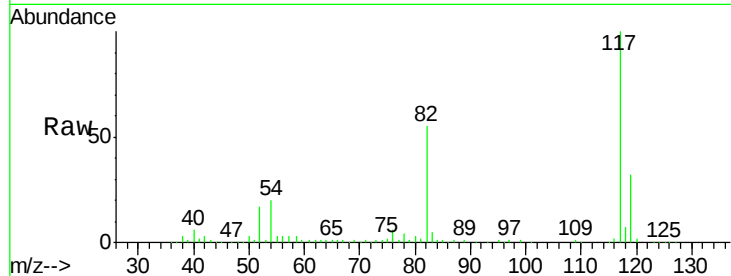
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
20801

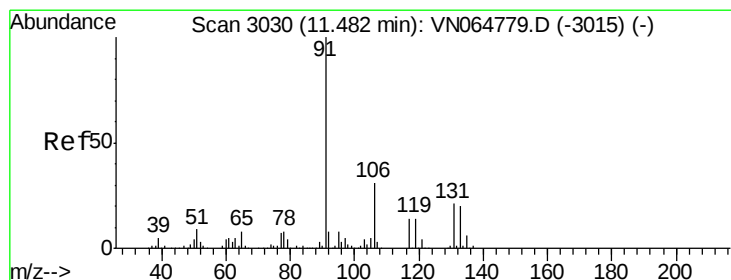
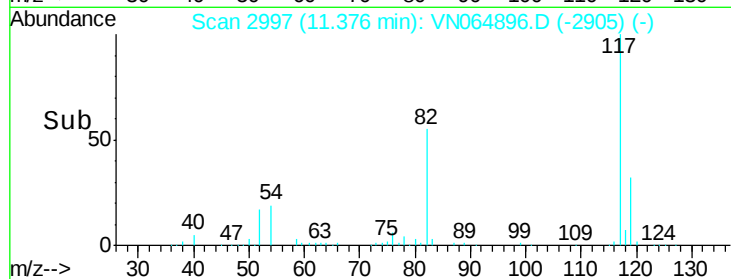
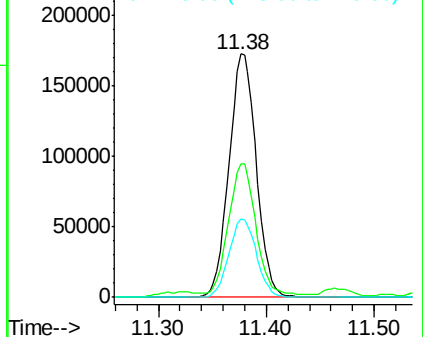
Tot Ion	Ratio	Resp	Lower	Upper
117	100	305096		
82	53.0	44.2	66.2	
119	32.3	25.8	38.6	

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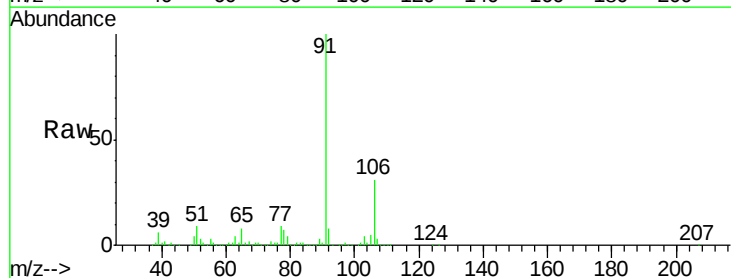


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

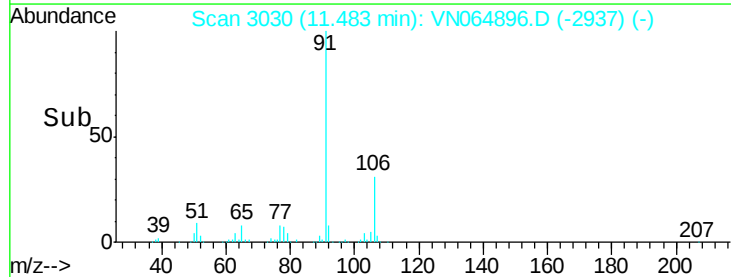
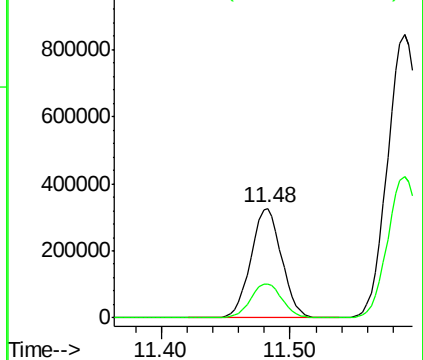


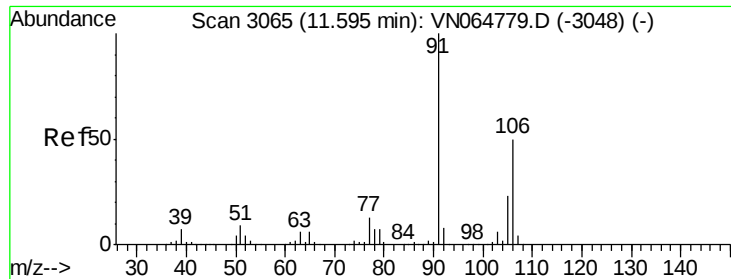
#67
Ethyl Benzene
Concen: 49.527 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	542092		
106	31.4	25.2	37.8	



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





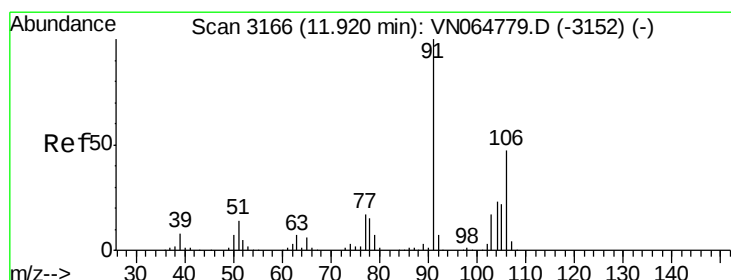
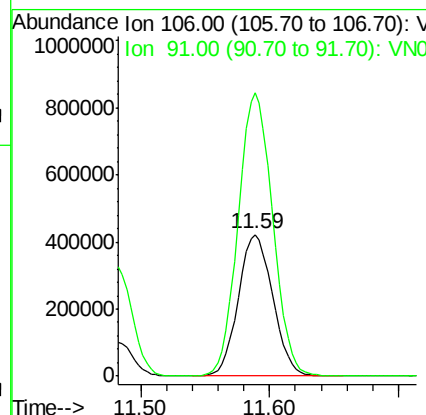
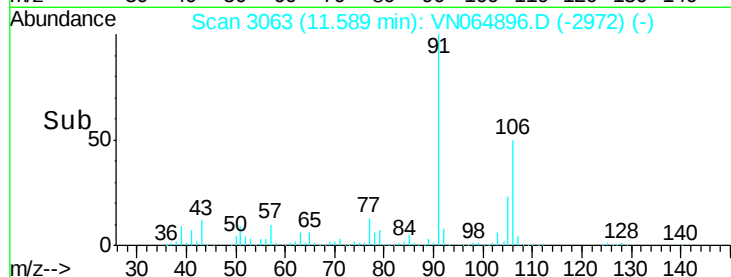
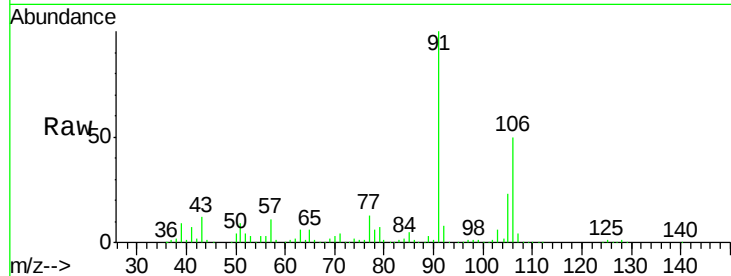
#68
m/p-Xylenes
Concen: 189.107 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
20801

Tot Ion:106 Resp: 783655
Ion Ratio Lower Upper
106 100
91 200.0 161.0 241.4

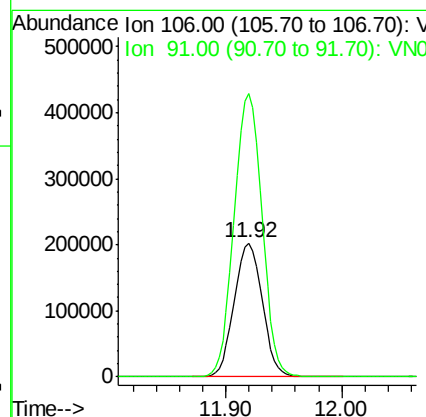
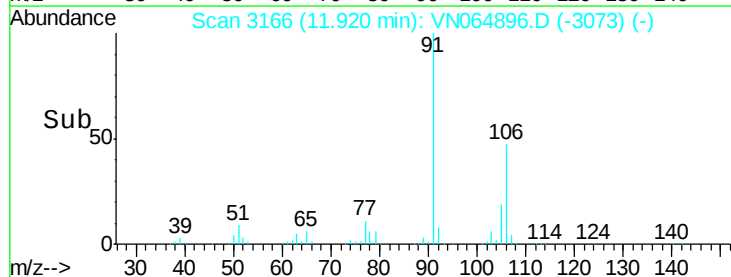
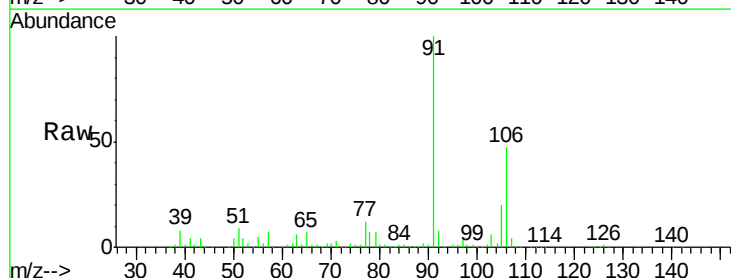
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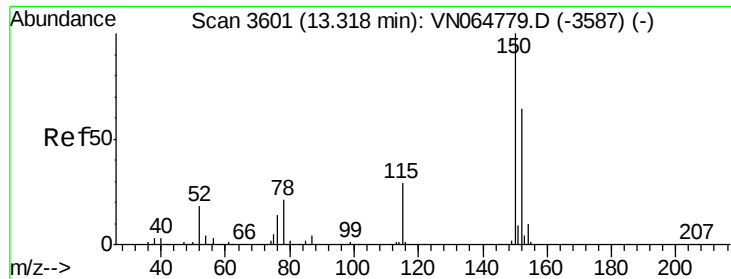
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#69
o-Xylene
Concen: 86.135 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Tgt Ion:106 Resp: 338719
Ion Ratio Lower Upper
106 100
91 210.4 105.5 316.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

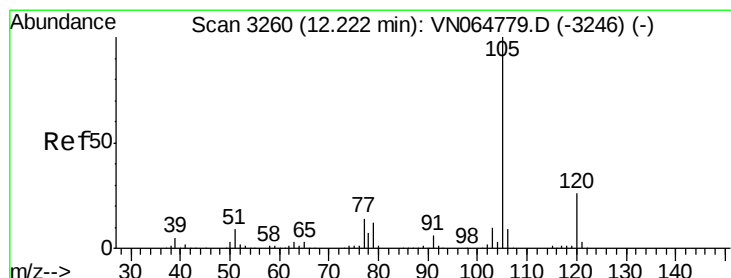
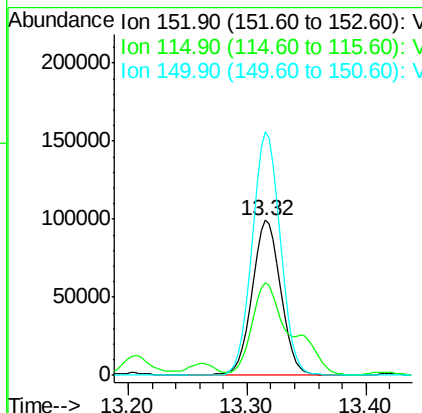
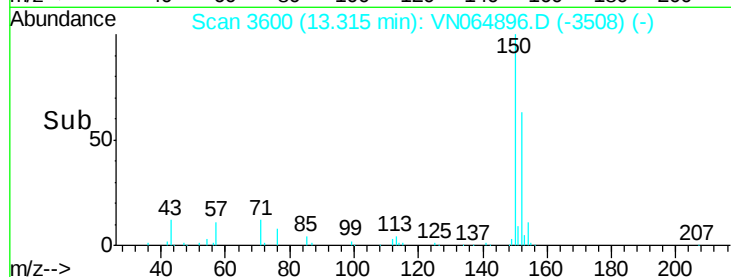
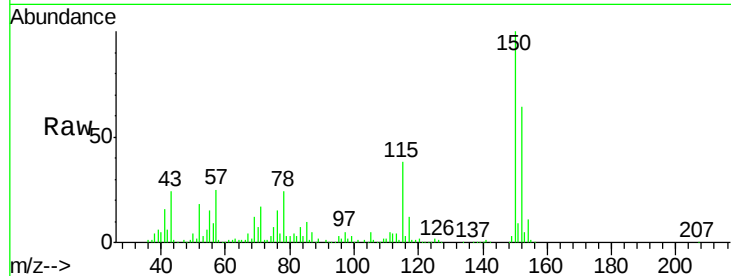
20801

Tot Ion:	152	Resp:	164650
Ion Ratio	Lower	Upper	
152	100		
115	62.2	29.7	89.1
150	155.4	0.0	350.6

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#73

Isopropylbenzene

Concen: 12.853 ug/l

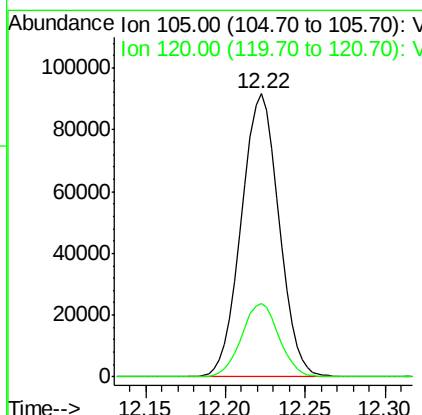
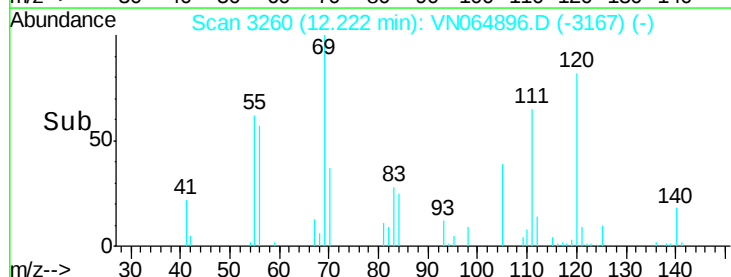
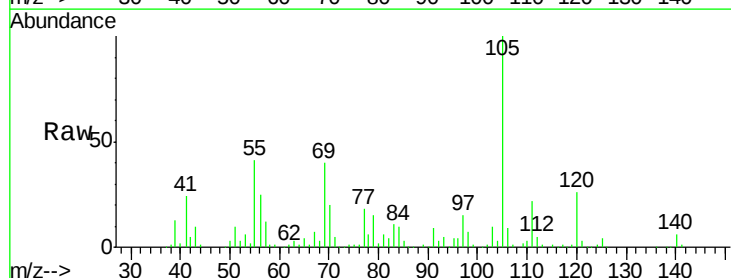
RT: 12.22 min Scan# 3260

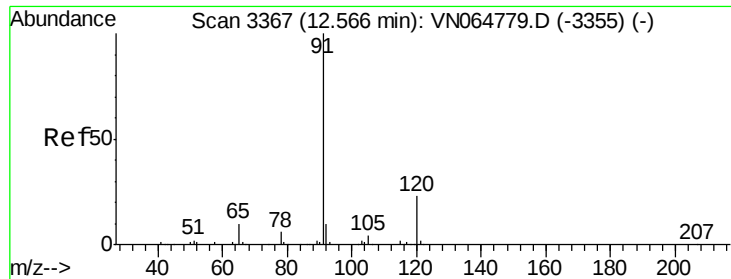
Delta R.T. 0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Tgt Ion:	105	Resp:	147197
Ion Ratio	Lower	Upper	
105	100		
120	25.8	13.3	39.9





#78

n-propylbenzene

Concen: 49.255 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064896.D

Acq: 3 Dec 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

20801

Tot Ion: 91 Resp: 642613

Ion Ratio Lower Upper

91 100

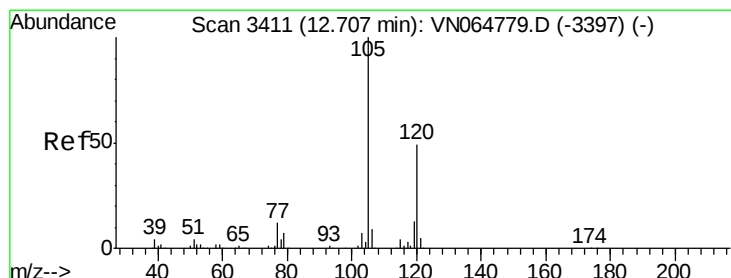
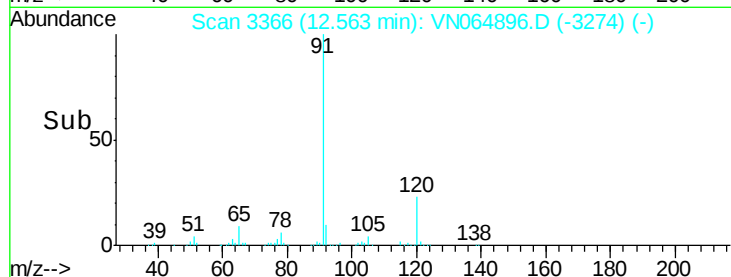
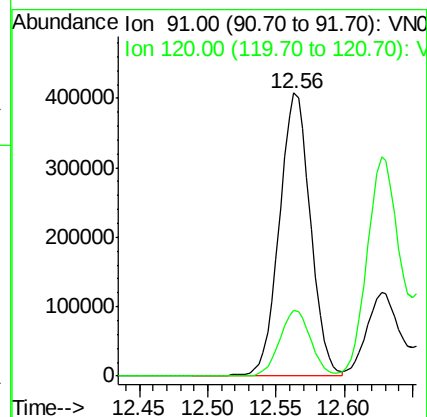
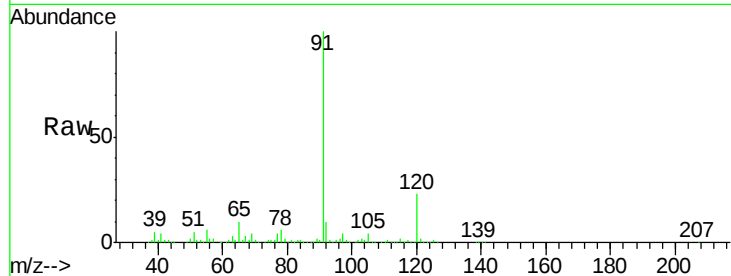
120 23.3 11.6 34.7

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#80

1,3,5-Trimethylbenzene

Concen: 76.651 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064896.D

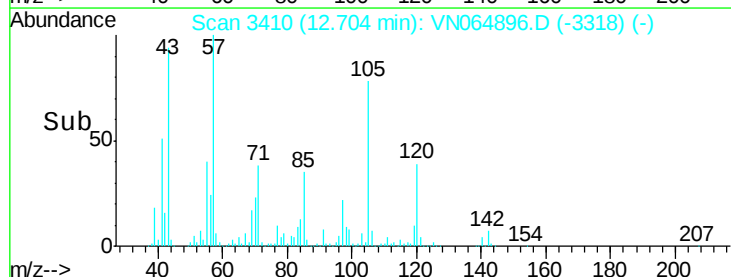
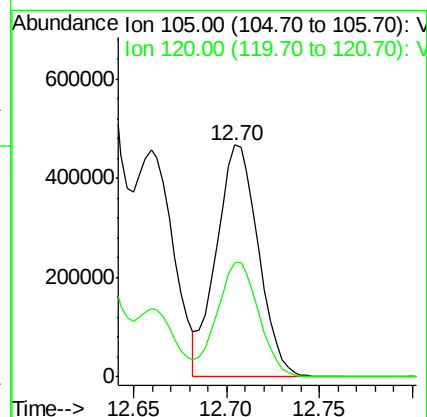
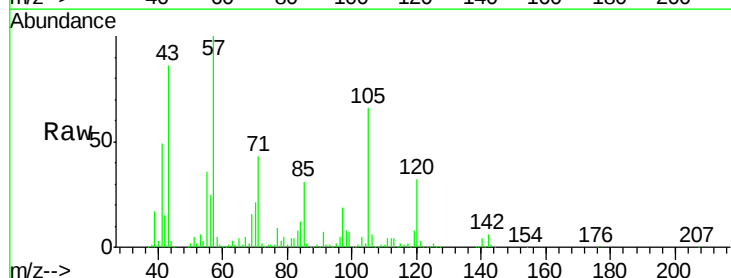
Acq: 3 Dec 2020 13:47

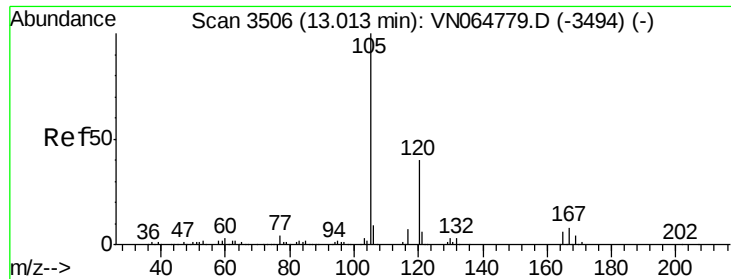
Tgt Ion: 105 Resp: 729660

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6





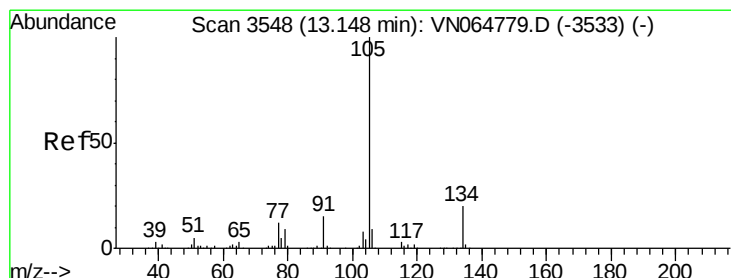
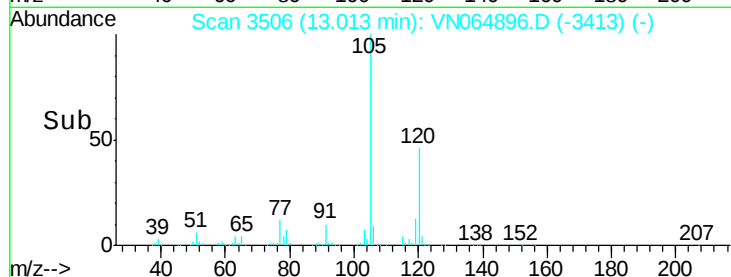
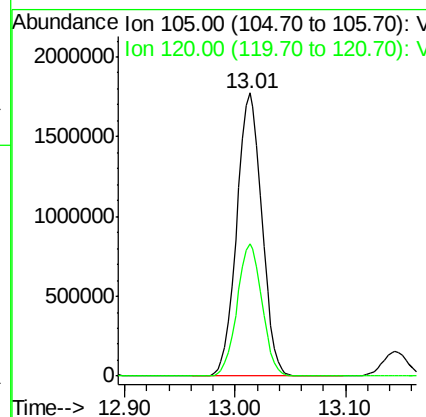
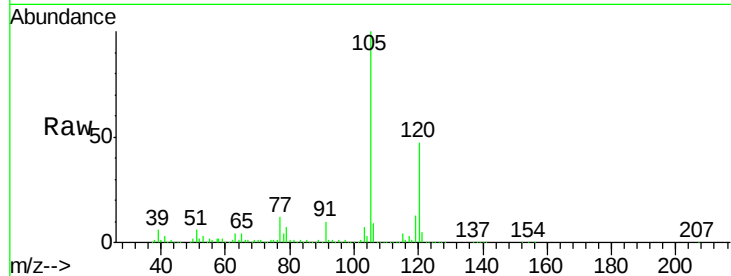
#84
1,2,4-Trimethylbenzene
Concen: 290.862 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
20801

Tot Ion:105 Resp: 2799460
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2

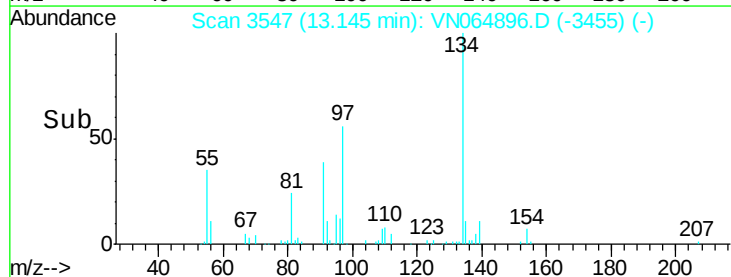
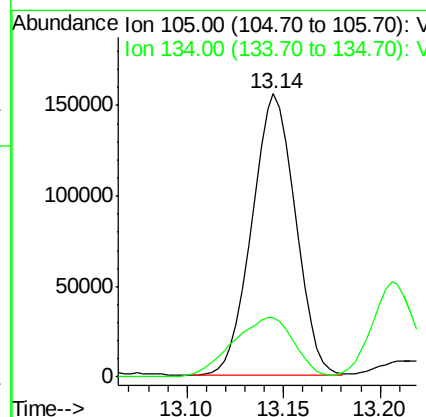
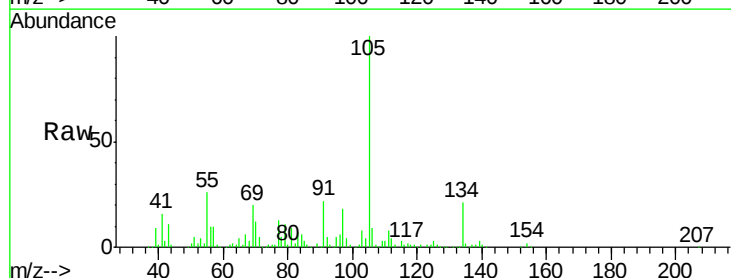
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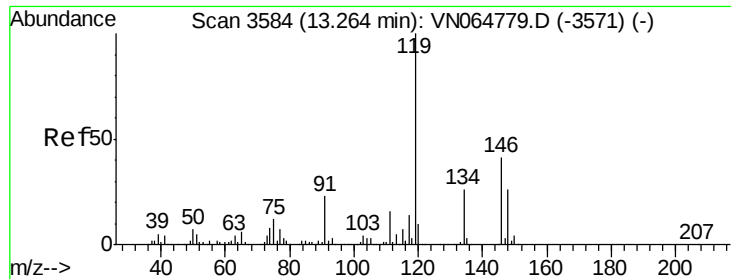
SAM
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#85
sec-Butylbenzene
Concen: 22.885 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Tgt Ion:105 Resp: 242442
Ion Ratio Lower Upper
105 100
134 29.9 10.1 30.1





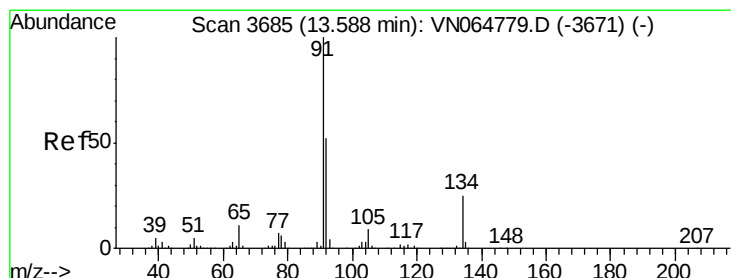
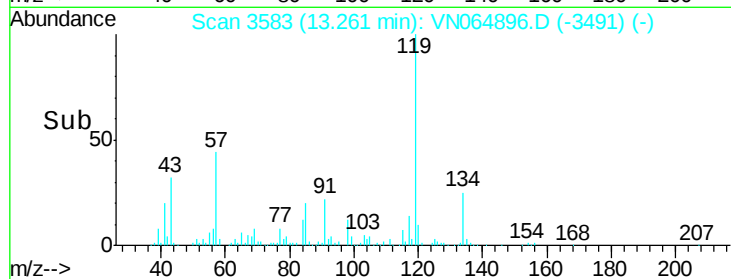
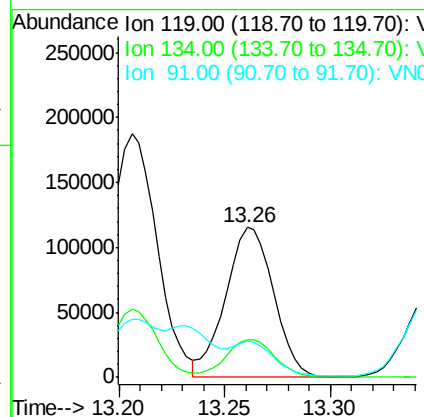
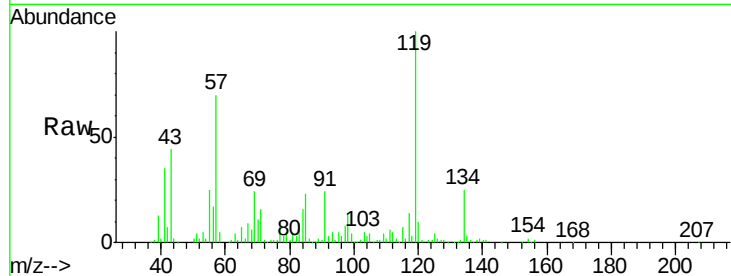
#86
 p-Isopropyltoluene
 Concen: 18.768 ug/l m
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 20801

Tot Ion	Ratio	Lower	Upper
119	100		
134	45.1	13.1	39.1#
91	39.3	11.5	34.5#

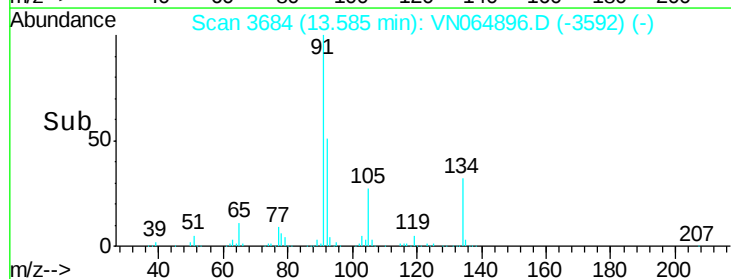
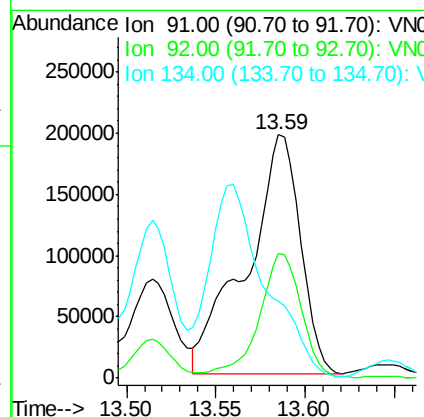
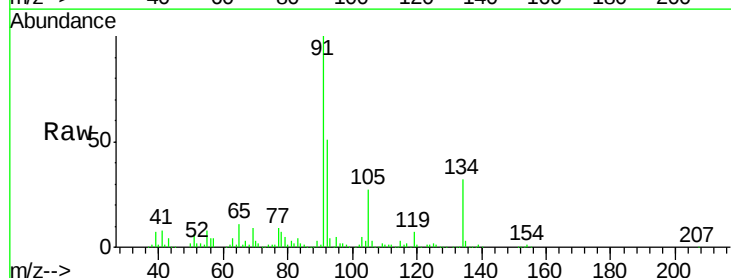
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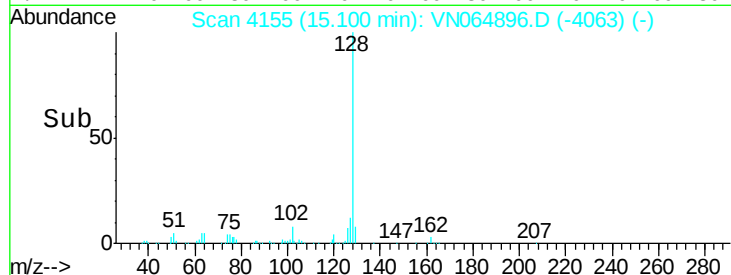
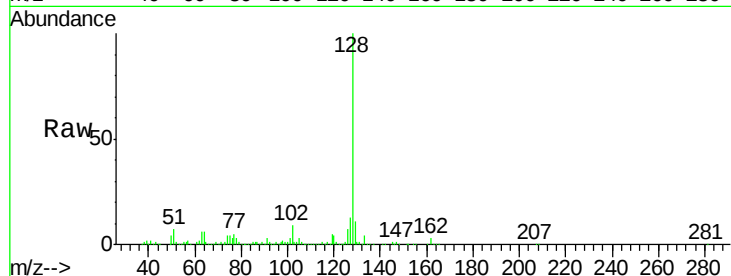
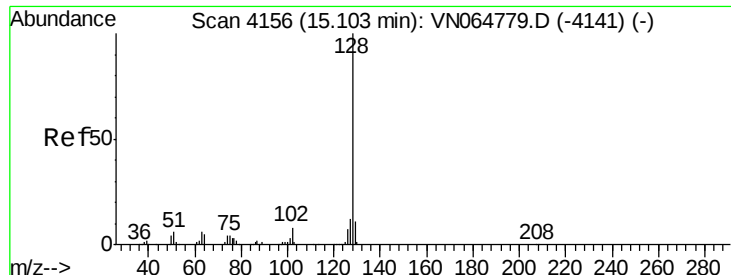
SAM
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#89
 n-Butylbenzene
 Concen: 48.356 ug/l
 RT: 13.59 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN064896.D
 Acq: 3 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.0	26.0	78.0
134	0.0	12.9	38.6#





#95
Naphthalene
Concen: 42.418 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064896.D
Acq: 3 Dec 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
20801

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.0	10.3	15.5
129	11.6	8.7	13.1

Manual Integrations
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SAM
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