

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064921.D
 Acq On : 4 Dec 2020 16:05
 Operator : JC/MD
 Sample : L4954-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:45:39 AM

Quant Time: Dec 05 02:36:30 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	190007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	320695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	341479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106308	48.13	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.26%
35) Dibromofluoromethane	7.55	113	97440	50.78	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.56%
50) Toluene-d8	10.06	98	427935	54.58	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.16%
62) 4-Bromofluorobenzene	12.38	95	165804	59.09	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.18%

Target Compounds

						Qvalue
31) Cyclohexane	7.61	56	1065407	346.051	ug/l	96
39) Methylcyclohexane	9.05	83	1286218	401.952	ug/l	97
40) Benzene	8.00	78	52362	5.748	ug/l	98
67) Ethyl Benzene	11.48	91	1161052	94.775	ug/l	99
68) m/p-Xylenes	11.59	106	10337m	2.229	ug/l	
69) o-Xylene	11.92	106	4116	0.935	ug/l	83
73) Isopropylbenzene	12.22	105	673626	57.268	ug/l	100
78) n-propylbenzene	12.57	91	764211	57.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	830209	84.914	ug/l	99
83) tert-Butylbenzene	12.97	119	23954	2.923	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.01	105	5549656	561.402	ug/l	90
85) sec-Butylbenzene	13.14	105	177411	16.305	ug/l	80
86) p-Isopropyltoluene	13.26	119	139483	14.080	ug/l	99
89) n-Butylbenzene	13.59	91	84947	9.764	ug/l #	73
95) Naphthalene	15.10	128	1951333	190.325	ug/l	99

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

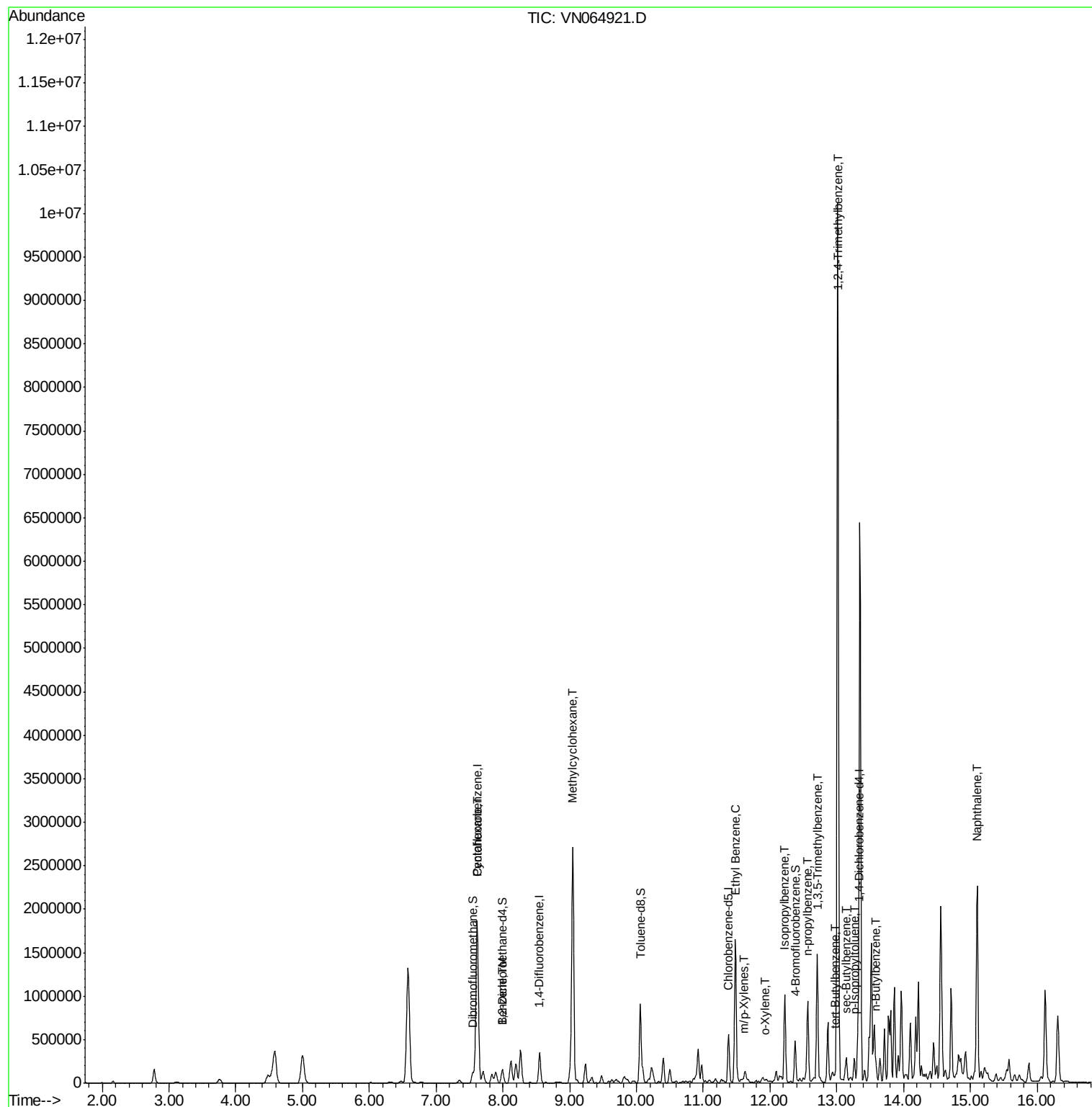
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120420\
Data File : VN064921.D
Acq On : 4 Dec 2020 16:05
Operator : JC/MD
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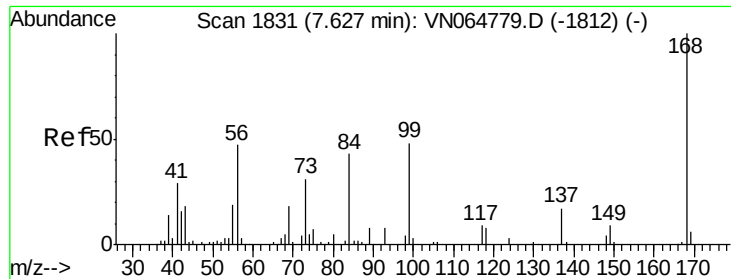
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

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12/7/2020 10:45:39 AM

Quant Time: Dec 05 02:36:30 2020
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: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

Tot Ion:168 Resp: 190007

Ion Ratio Lower Upper

168 100

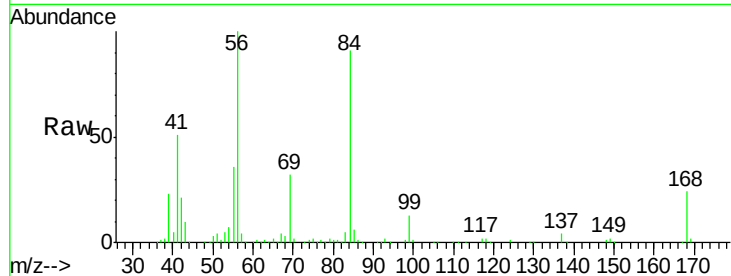
99 53.9 43.0 64.4

Manual Integrations

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12/7/2020 10:45:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

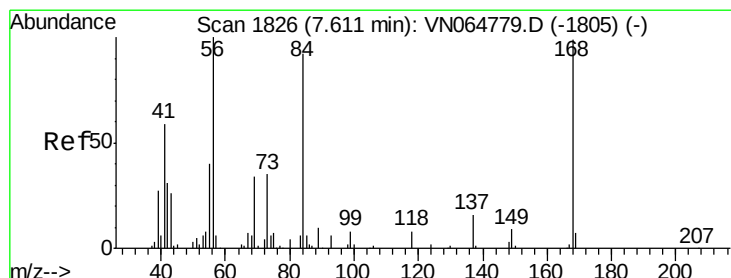
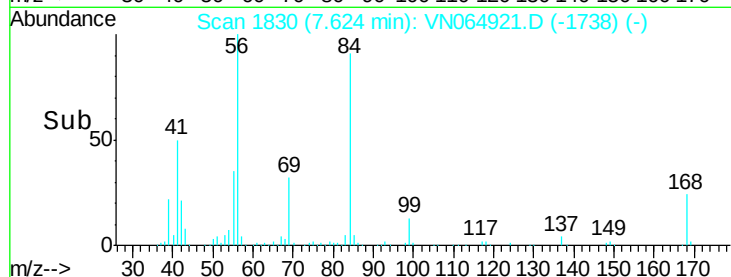
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Time-->

7.50

7.60

7.70



#31

Cyclohexane

Concen: 346.051 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

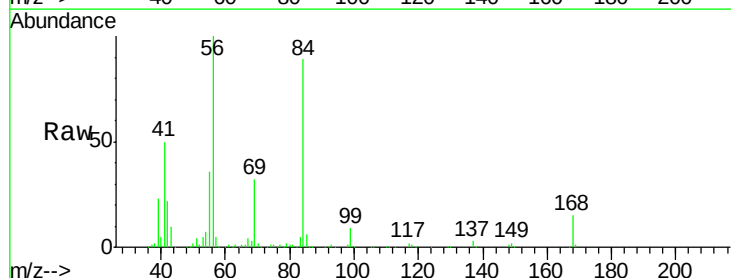
Tgt Ion: 56 Resp: 1065407

Ion Ratio Lower Upper

56 100

69 31.7 27.5 41.3

84 89.4 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

7.61

500000

400000

300000

200000

100000

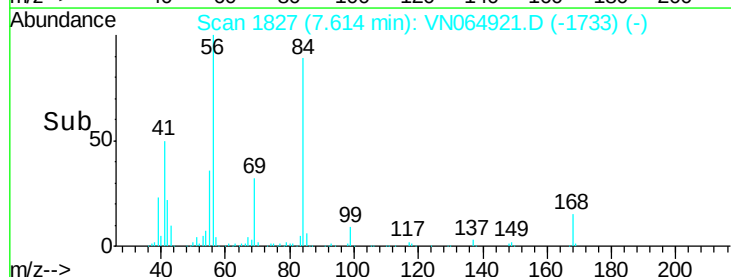
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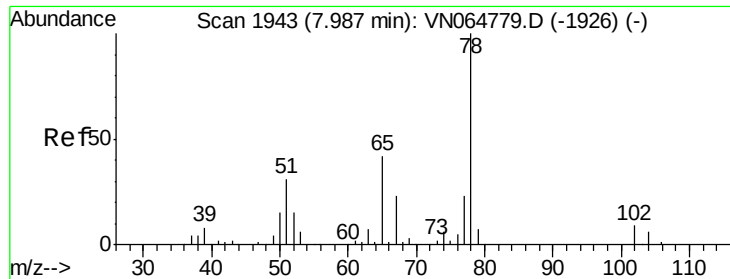
Time-->

7.50

7.60

7.70





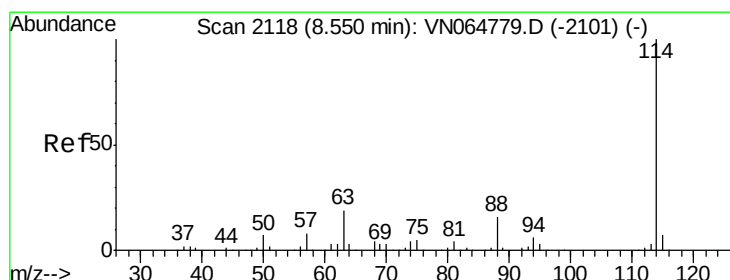
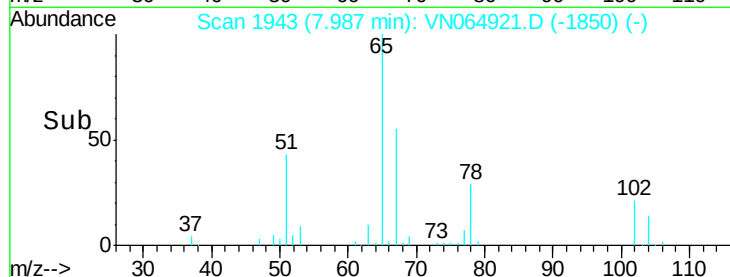
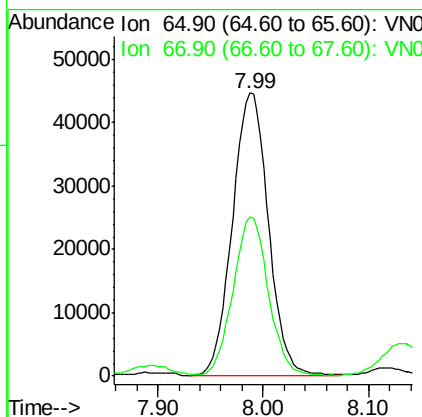
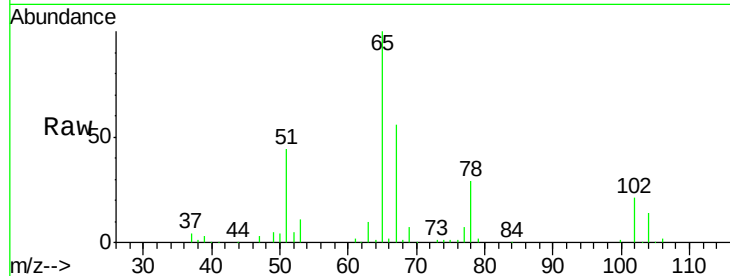
#33
 1,2-Dichloroethane-d4
 Concen: 48.126 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	106308	108.2

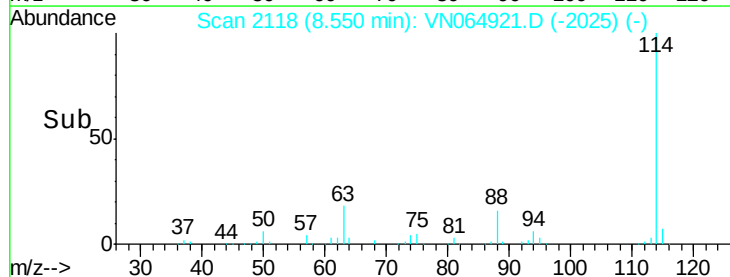
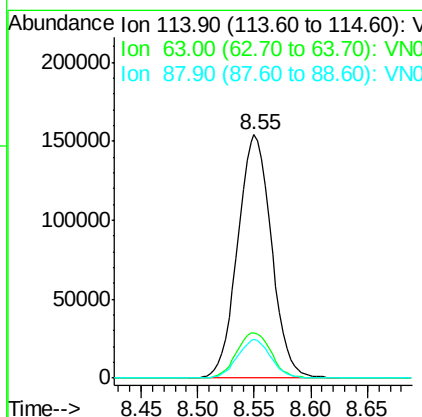
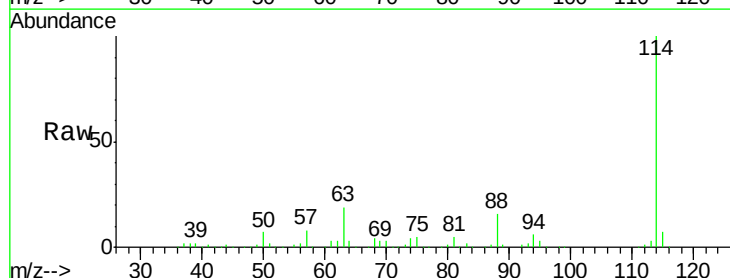
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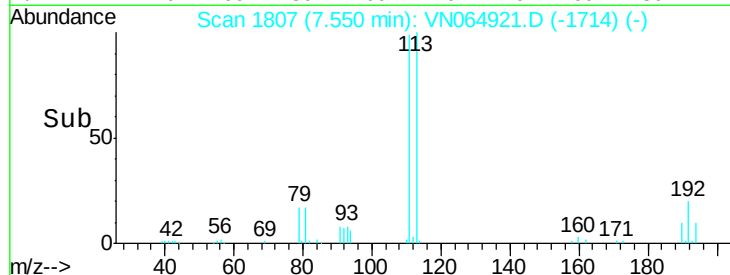
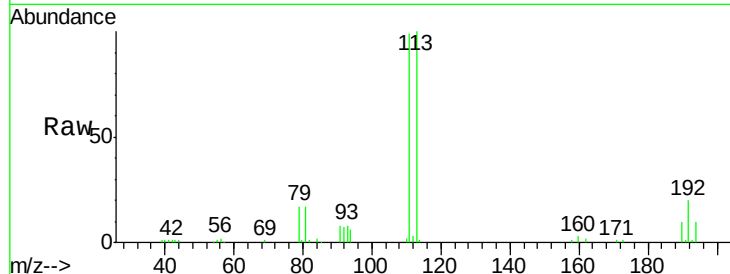
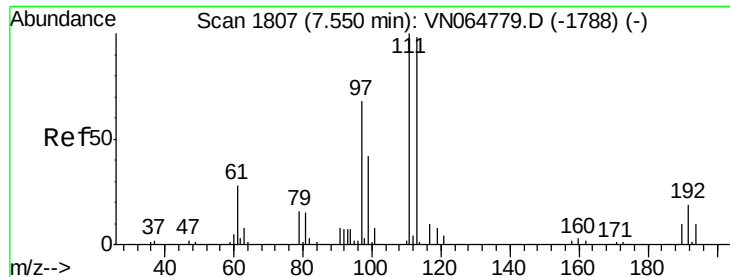
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 12/7/2020 10:45:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	320695	38.6
88	15.8	0.0	32.6	





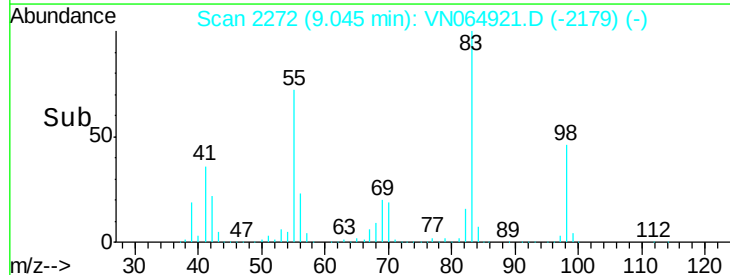
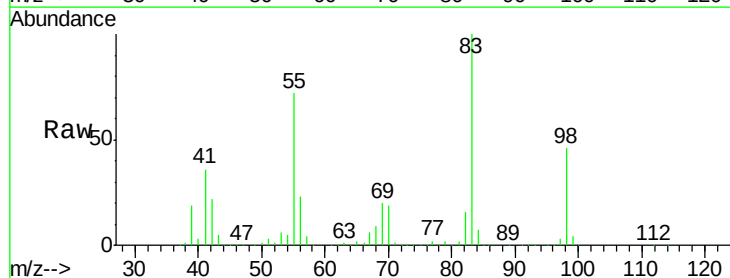
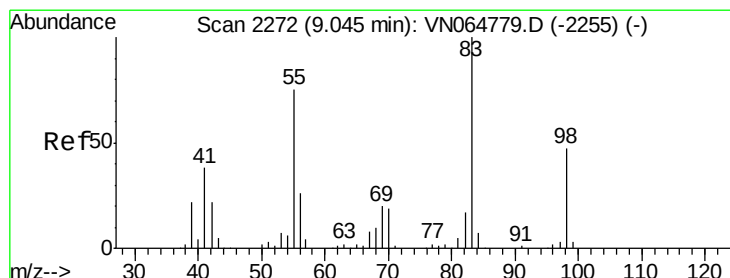
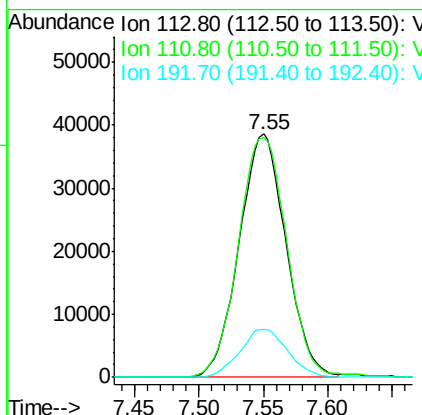
#35
Dibromofluoromethane
Concen: 50.778 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	20.2	16.2	24.2

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

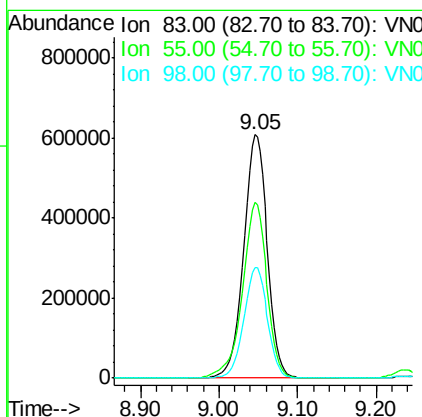
Manual Integrations
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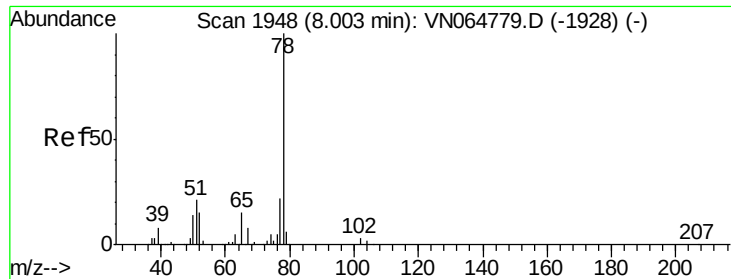
MMDadoda
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#39
Methylcyclohexane
Concen: 401.952 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.1	60.2	90.2
98	45.6	37.4	56.2





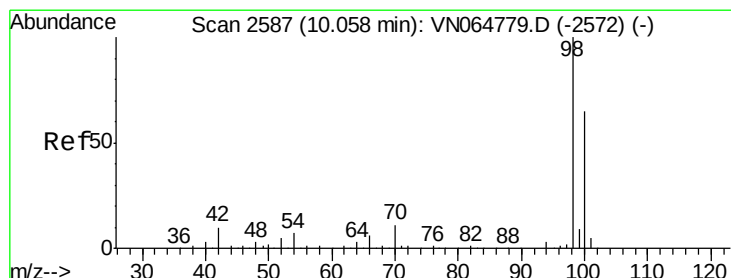
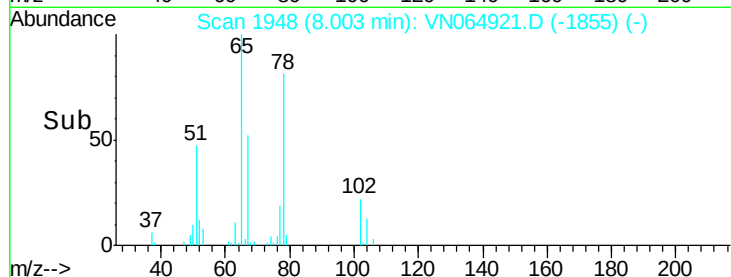
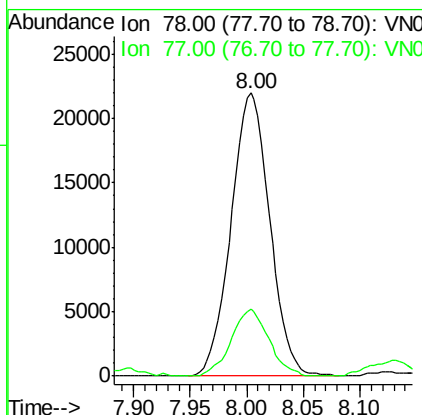
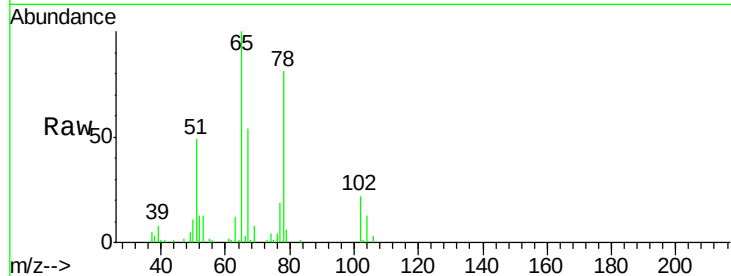
#40
Benzene
Concen: 5.748 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.9	26.9

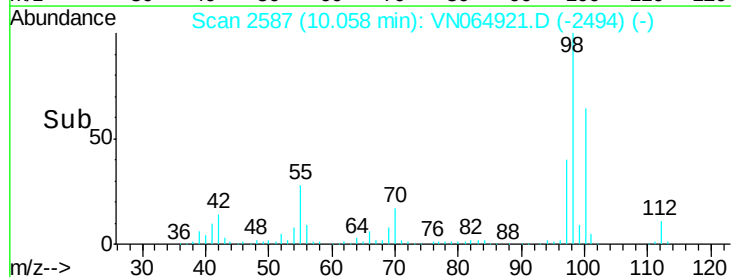
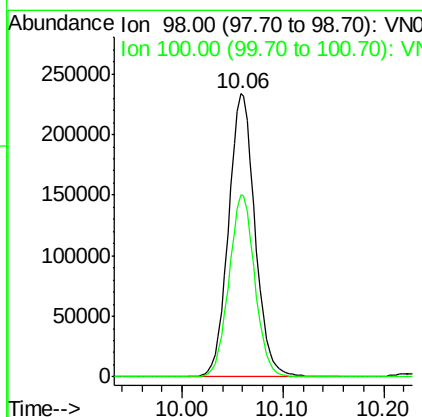
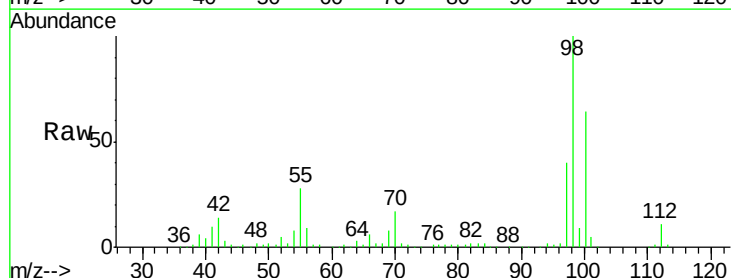
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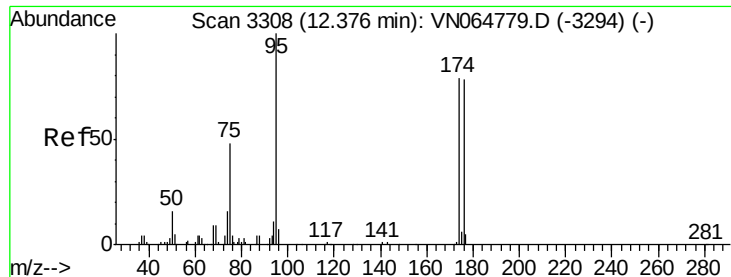
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12/7/2020 10:45:39 AM



#50
Toluene-d8
Concen: 54.579 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 59.089 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

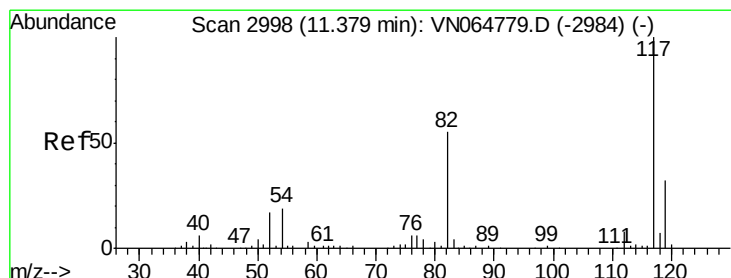
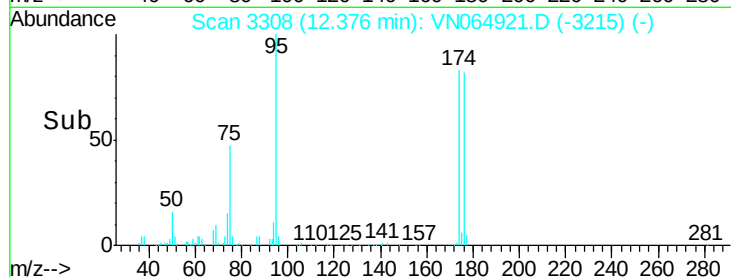
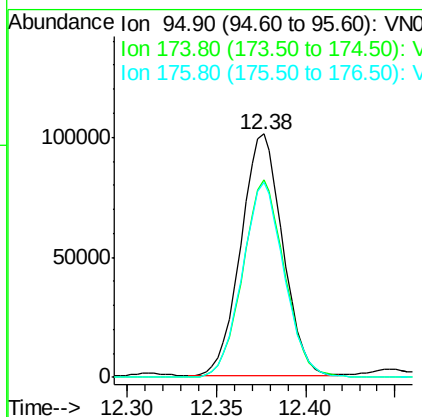
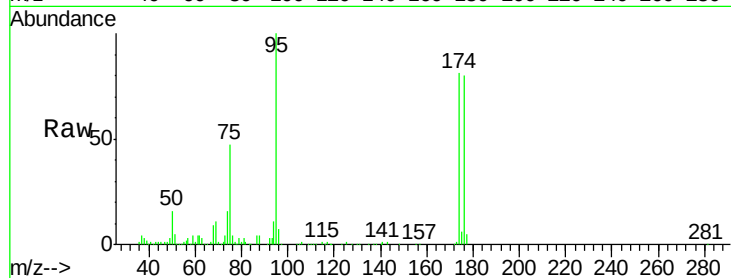
ClientSampleId :

SS013-13-6511-120120

Tot Ion:	95	Resp:	165804
Ion Ratio	Lower	Upper	
95	100		
174	81.5	0.0	160.4
176	80.6	0.0	158.4

Manual Integrations
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12/7/2020 10:45:39 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

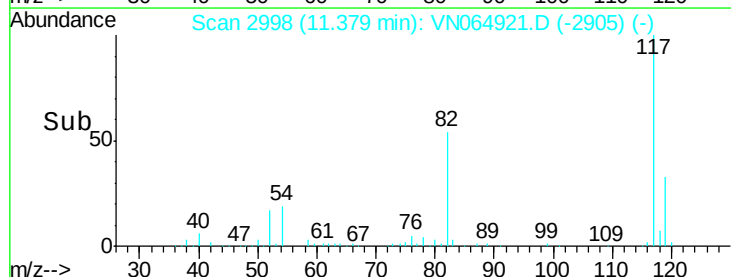
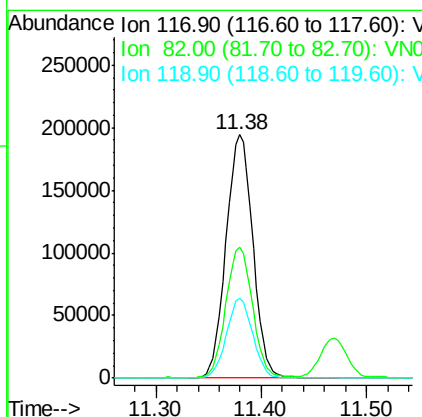
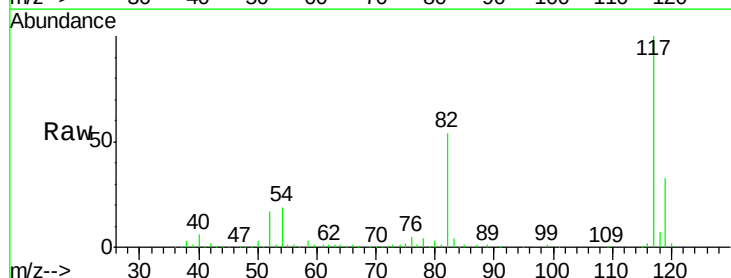
RT: 11.38 min Scan# 2998

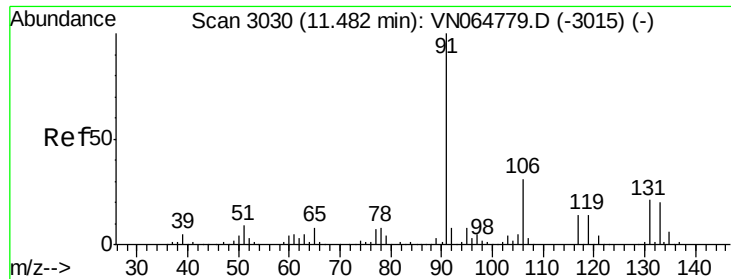
Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Tgt Ion:	117	Resp:	341479
Ion Ratio	Lower	Upper	
117	100		
82	53.3	44.2	66.2
119	32.6	25.8	38.6





#67

Ethyl Benzene

Concen: 94.775 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064921.D

Acq: 4 Dec 2020 16:05

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6511-120120

Tot Ion: 91 Resp: 1161052

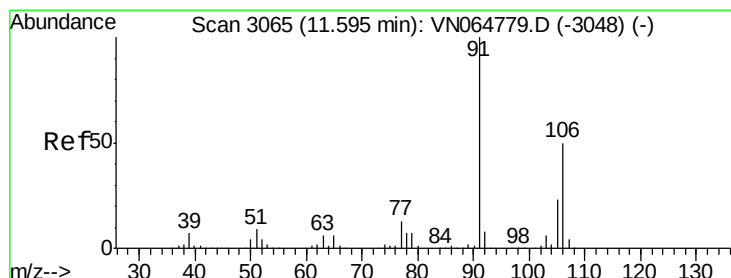
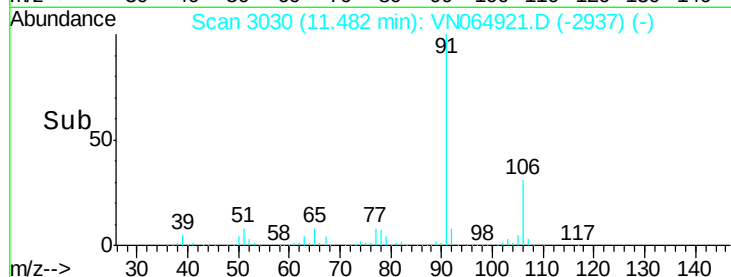
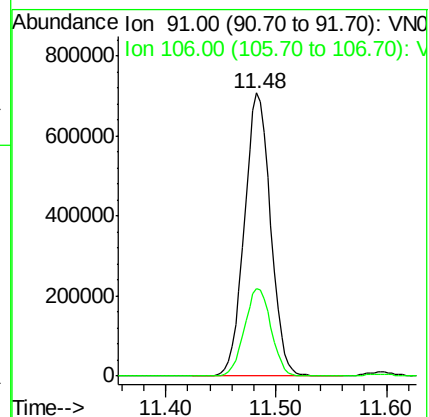
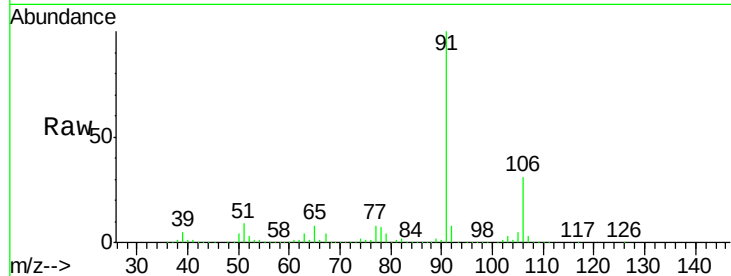
Ion Ratio Lower Upper

91 100

106 31.1 25.2 37.8

Manual Integrations
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12/7/2020 10:45:39 AM



#68

m/p-Xylenes

Concen: 2.229 ug/l m

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064921.D

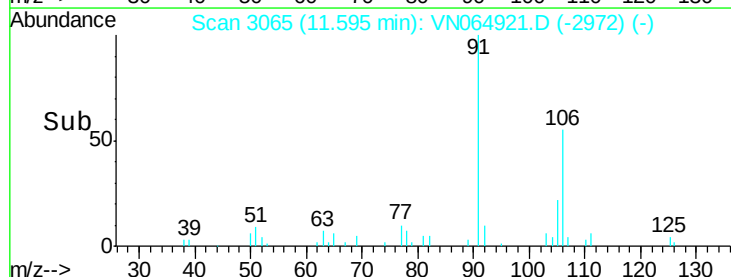
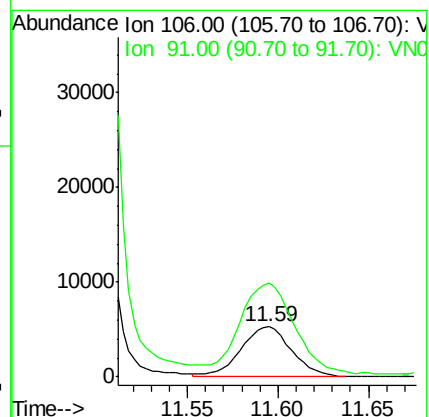
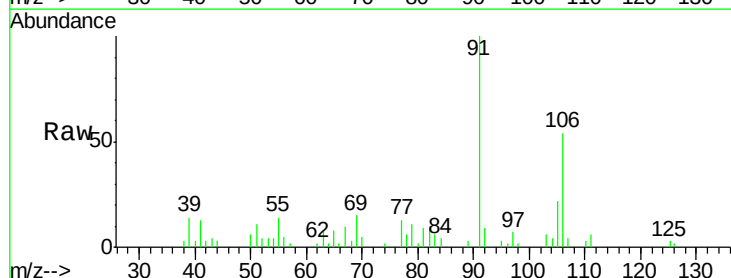
Acq: 4 Dec 2020 16:05

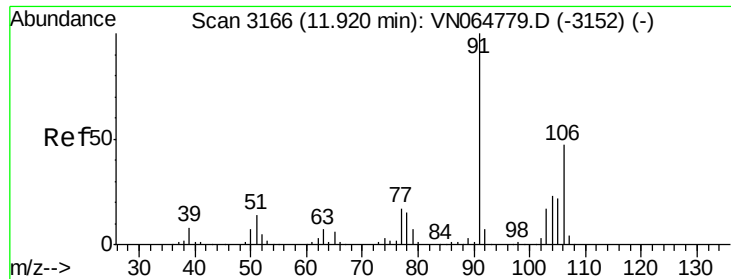
Tgt Ion: 106 Resp: 10337

Ion Ratio Lower Upper

106 100

91 11232.0 161.0 241.4#





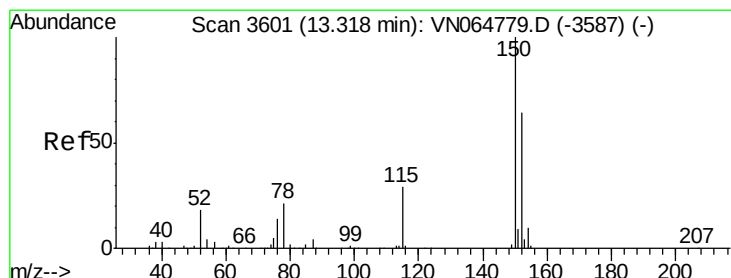
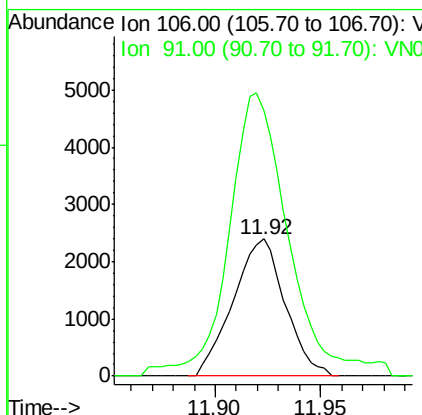
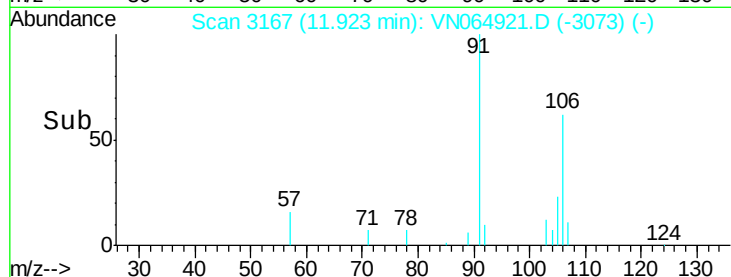
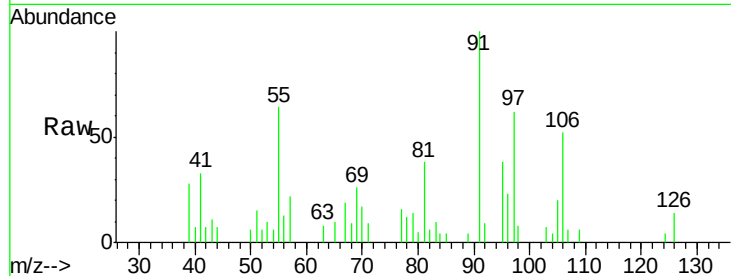
#69
o-Xylene
Concen: 0.935 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion:106 Resp: 4116
Ion Ratio Lower Upper
106 100
91 237.3 105.5 316.5

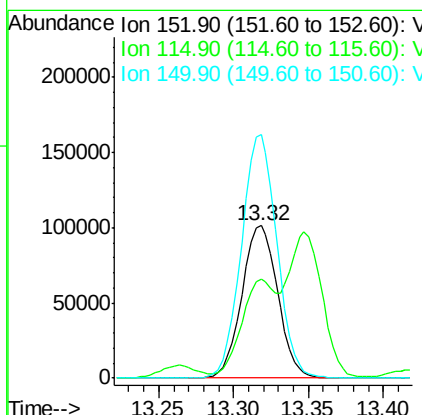
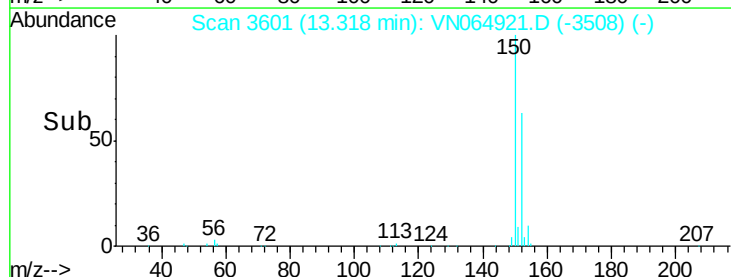
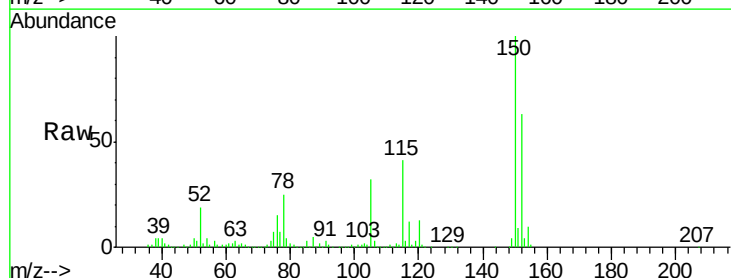
Manual Integrations
APPROVED

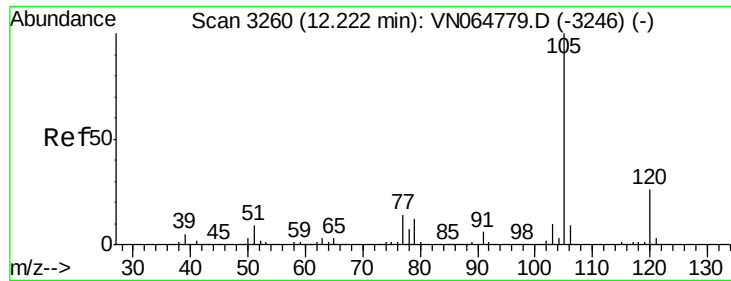
MMDadoda
12/7/2020 10:45:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion:152 Resp: 169109
Ion Ratio Lower Upper
152 100
115 54.6 29.7 89.1
150 157.8 0.0 350.6





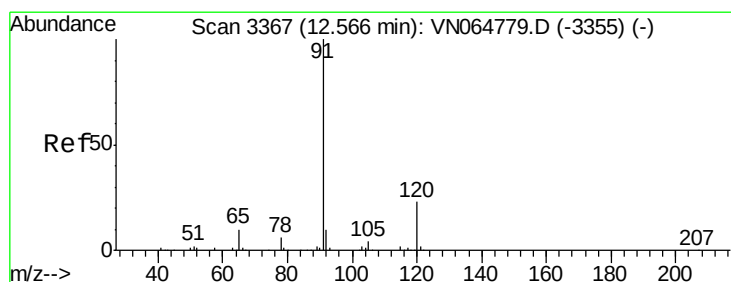
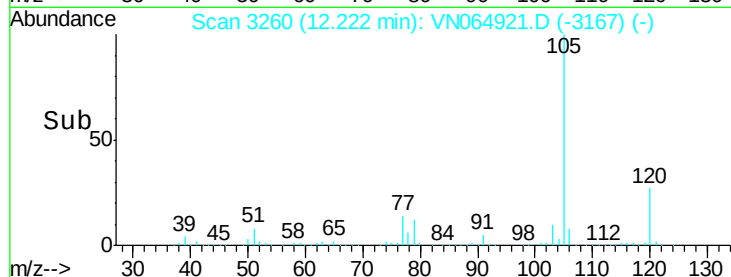
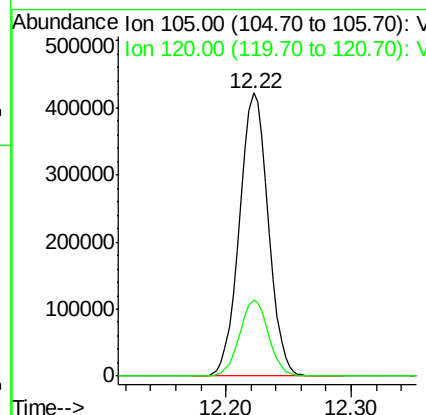
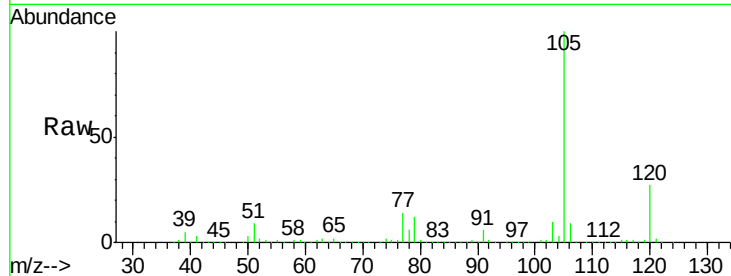
#73
Isopropylbenzene
Concen: 57.268 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

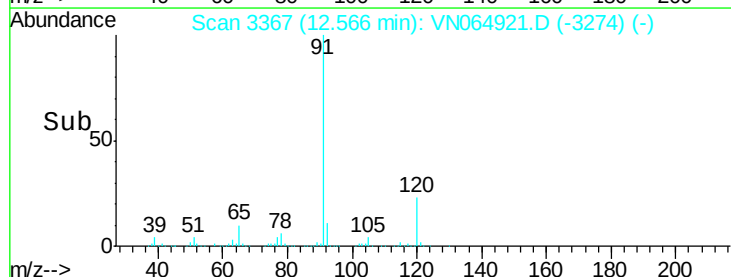
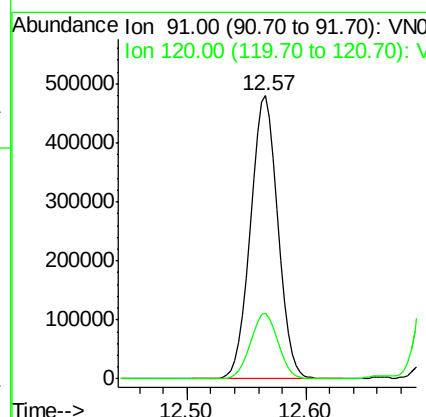
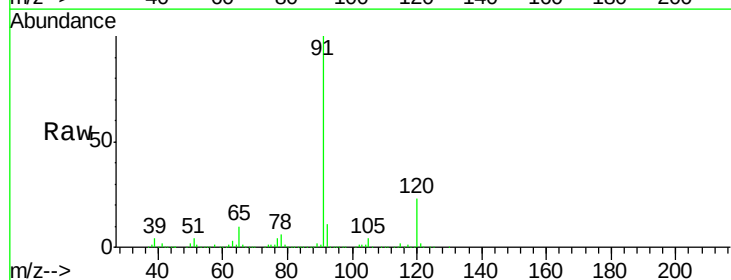
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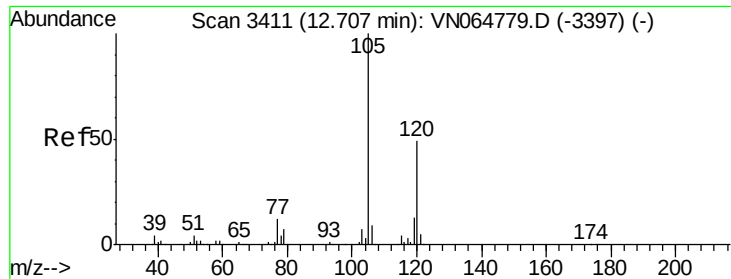
MMDadoda
12/7/2020 10:45:39 AM



#78
n-propylbenzene
Concen: 57.030 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.6	34.7





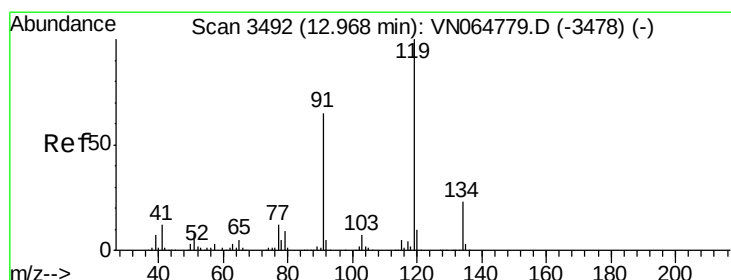
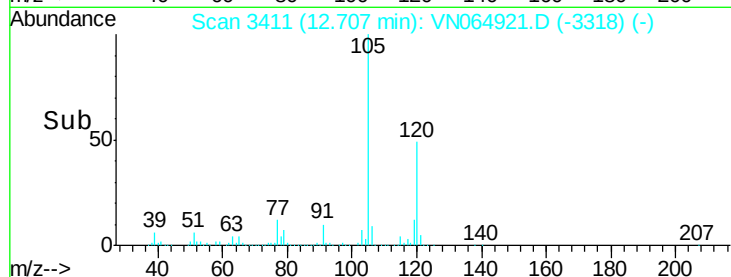
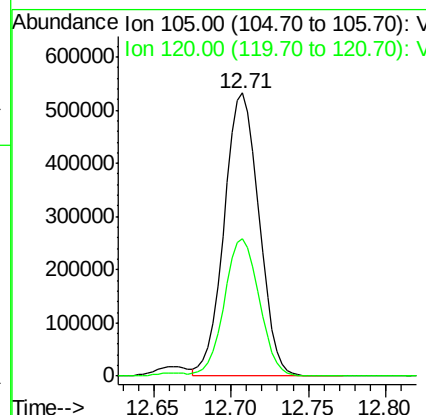
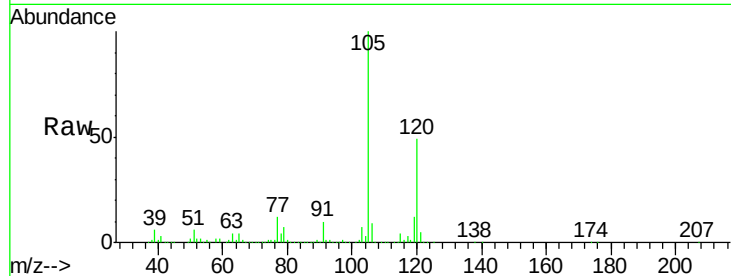
#80
 1,3,5-Trimethylbenzene
 Concen: 84.914 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

Tot Ion:105 Resp: 830209
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.6 73.6

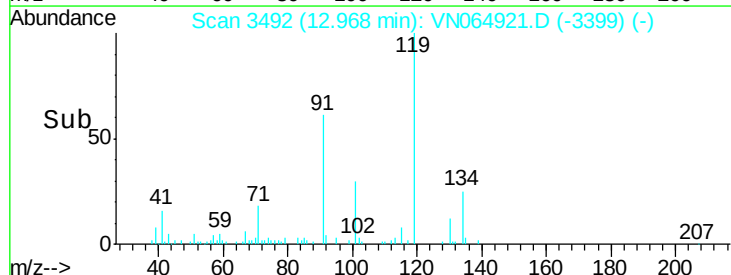
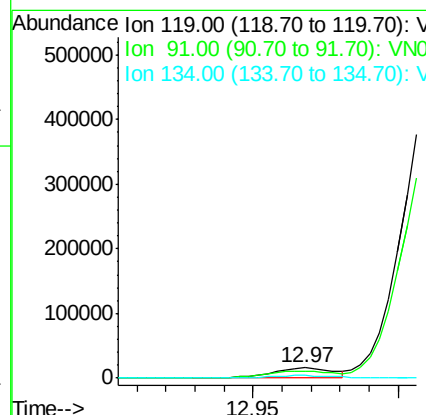
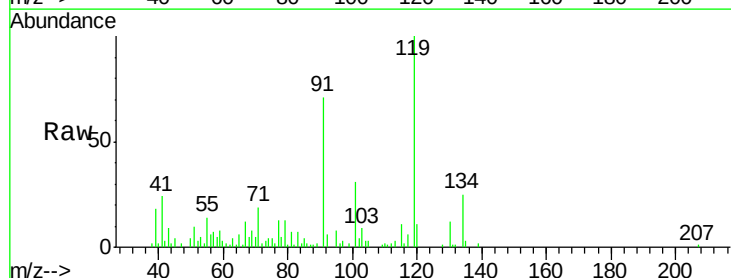
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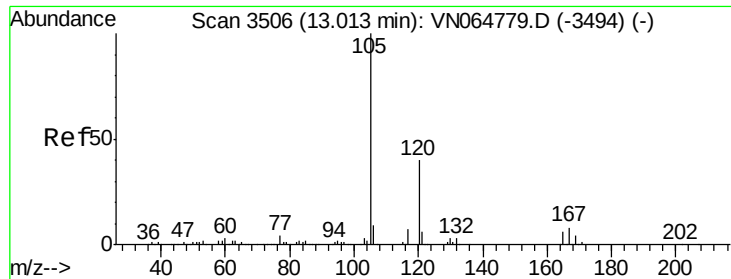
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 12/7/2020 10:45:39 AM



#83
 tert-Butylbenzene
 Concen: 2.923 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Tgt Ion:119 Resp: 23954
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.3 96.8#
 134 26.2 12.6 37.6





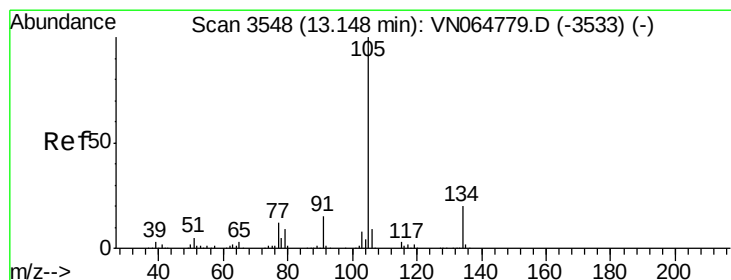
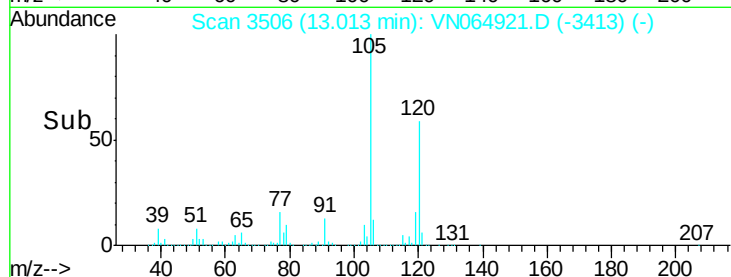
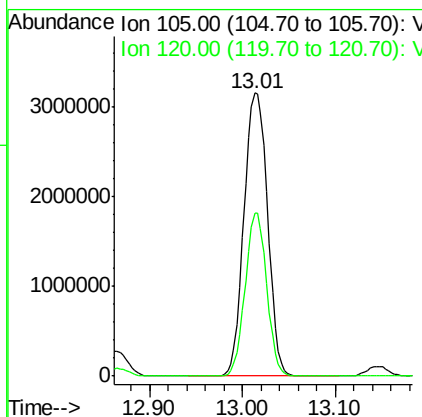
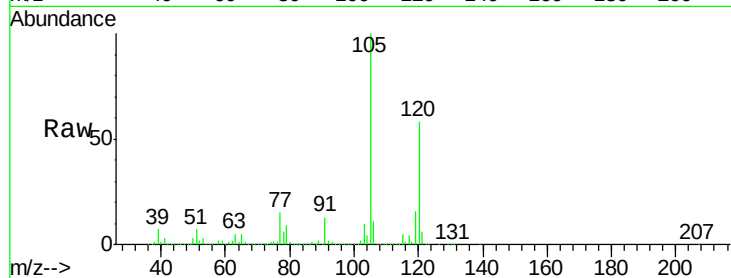
#84
1,2,4-Trimethylbenzene
Concen: 561.402 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion:105 Resp: 5549656
Ion Ratio Lower Upper
105 100
120 52.6 23.1 69.2

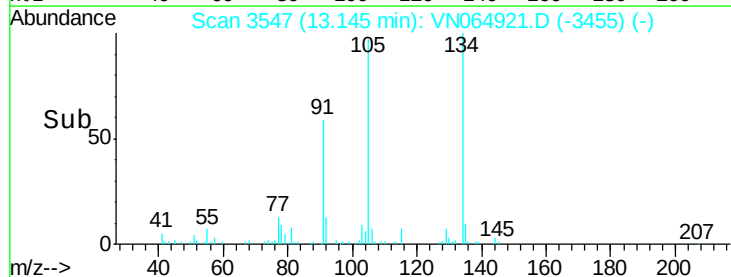
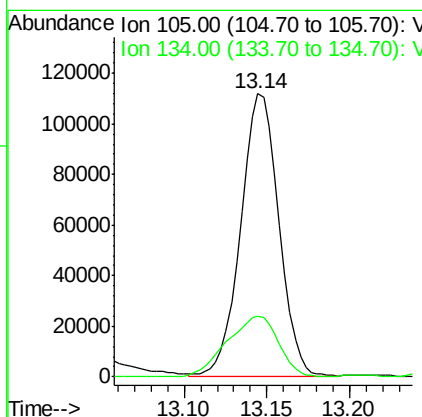
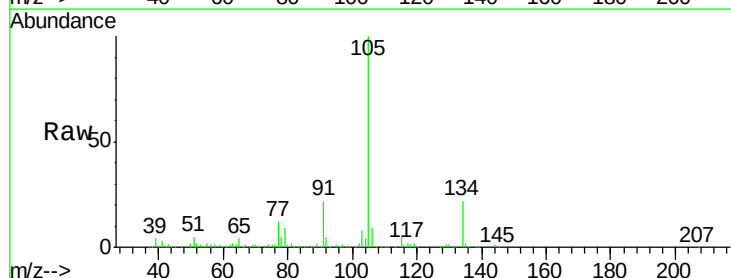
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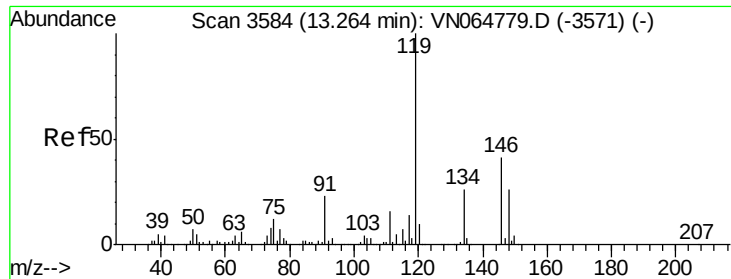
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#85
sec-Butylbenzene
Concen: 16.305 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Tgt Ion:105 Resp: 177411
Ion Ratio Lower Upper
105 100
134 29.2 10.1 30.1





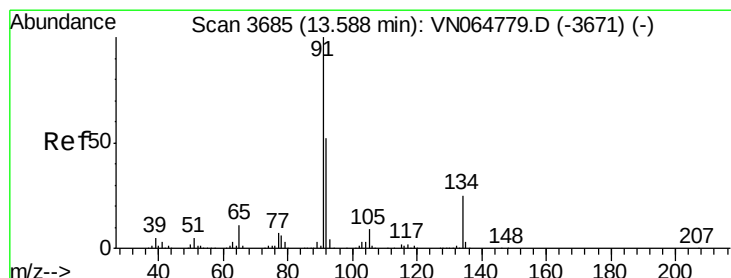
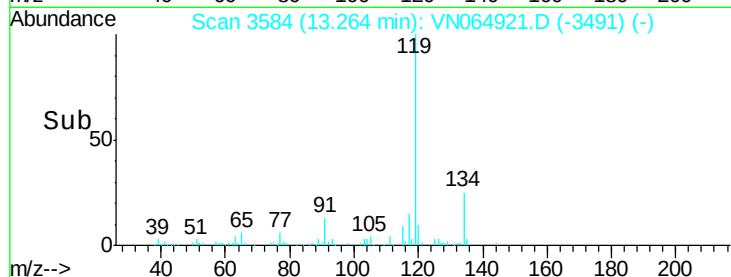
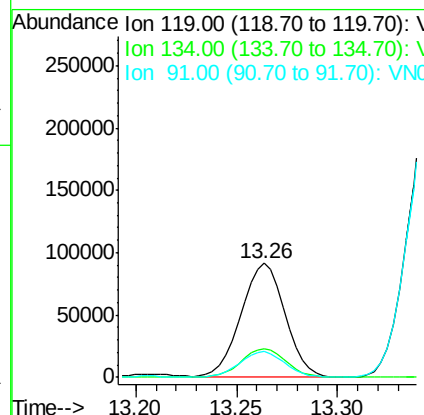
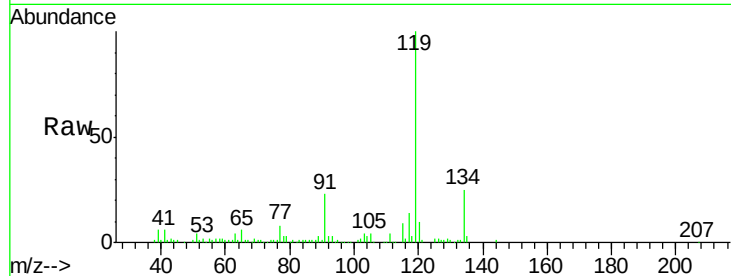
#86
 p-Isopropyltoluene
 Concen: 14.080 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6511-120120

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139483		
134	25.8	13.1	39.1	
91	22.5	11.5	34.5	

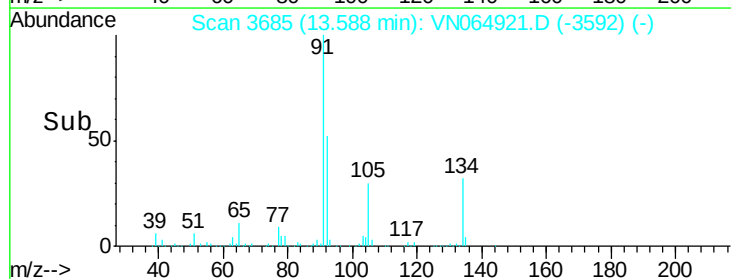
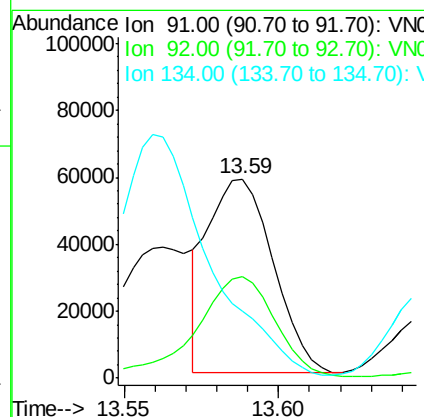
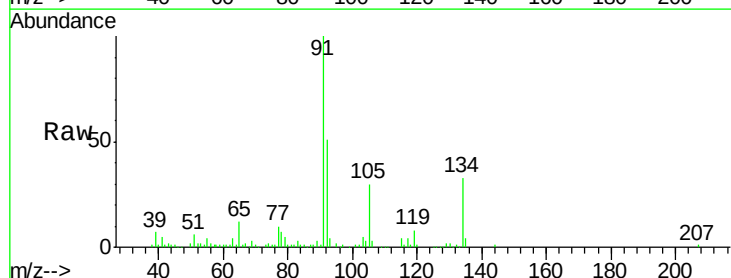
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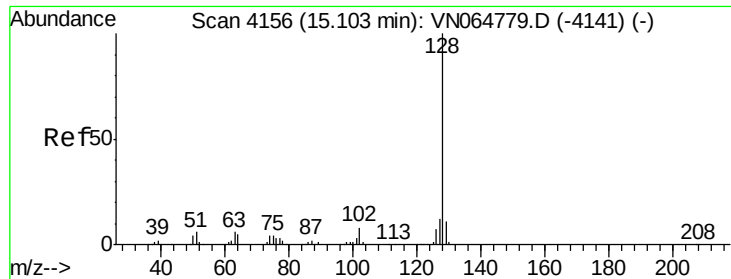
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#89
 n-Butylbenzene
 Concen: 9.764 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064921.D
 Acq: 4 Dec 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	84947		
92	62.9	26.0	78.0	
134	0.0	12.9	38.6	





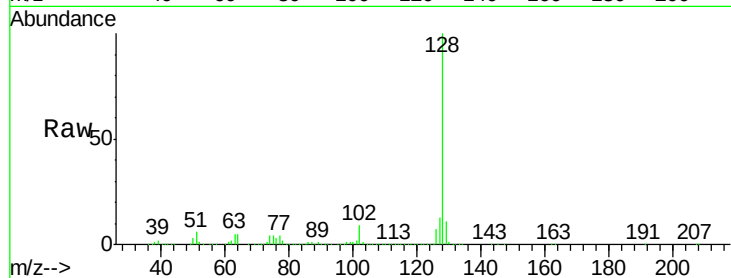
#95
Naphthalene
Concen: 190.325 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064921.D
Acq: 4 Dec 2020 16:05

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6511-120120

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

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12/7/2020 10:45:39 AM



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

