

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069123.D
 Acq On : 22 Oct 2021 6:43
 Operator : JC/MD
 Sample : M4284-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20890

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Quant Time: Oct 22 07:22:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	525140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	909737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	953801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	404252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	343043	49.546	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.100%		
35) Dibromofluoromethane	8.027	113	257864	48.719	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.440%		
50) Toluene-d8	10.443	98	1180037	55.720	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	111.440%		
62) 4-Bromofluorobenzene	12.734	95	491191	61.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	122.940%		
Target Compounds						Qvalue
3) Chloromethane	2.298	50	2324	0.362	ug/l	99
11) Tert butyl alcohol	5.409	59	397454	314.153	ug/l	100
16) Acetone	4.323	43	944203	365.428	ug/l	98
18) Methyl Acetate	4.870	43	18231	1.860	ug/l	97
19) Methyl tert-butyl Ether	5.626	73	524798	27.776	ug/l	98
22) Diisopropyl ether	6.501	45	518221	27.395	ug/l	91
25) 2-Butanone	7.343	43	21423651	5483.150	ug/l	92
29) Tetrahydrofuran	7.689	42	60000	23.675	ug/l	95
39) Methylcyclohexane	9.462	83	39756	3.975	ug/l	98
40) Benzene	8.461	78	7852506	331.863	ug/l	100
52) Toluene	10.500	92	20695038m	1359.419	ug/l	
67) Ethyl Benzene	11.846	91	4823809	143.882	ug/l	100
68) m/p-Xylenes	11.953	106	6034316	474.797	ug/l	97
69) o-Xylene	12.283	106	3588079	282.050	ug/l	100
73) Isopropylbenzene	12.581	105	204781	6.086	ug/l	100
78) n-propylbenzene	12.921	91	682782	18.057	ug/l	100
80) 1,3,5-Trimethylbenzene	13.061	105	953793	34.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.372	105	5980755	221.479	ug/l	88
85) sec-Butylbenzene	13.503	105	74820m	2.214	ug/l	
86) p-Isopropyltoluene	13.619	119	47799m	1.764	ug/l	
89) n-Butylbenzene	13.943	91	130855	5.800	ug/l #	78
95) Naphthalene	15.507	128	6292485	313.651	ug/l	100

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

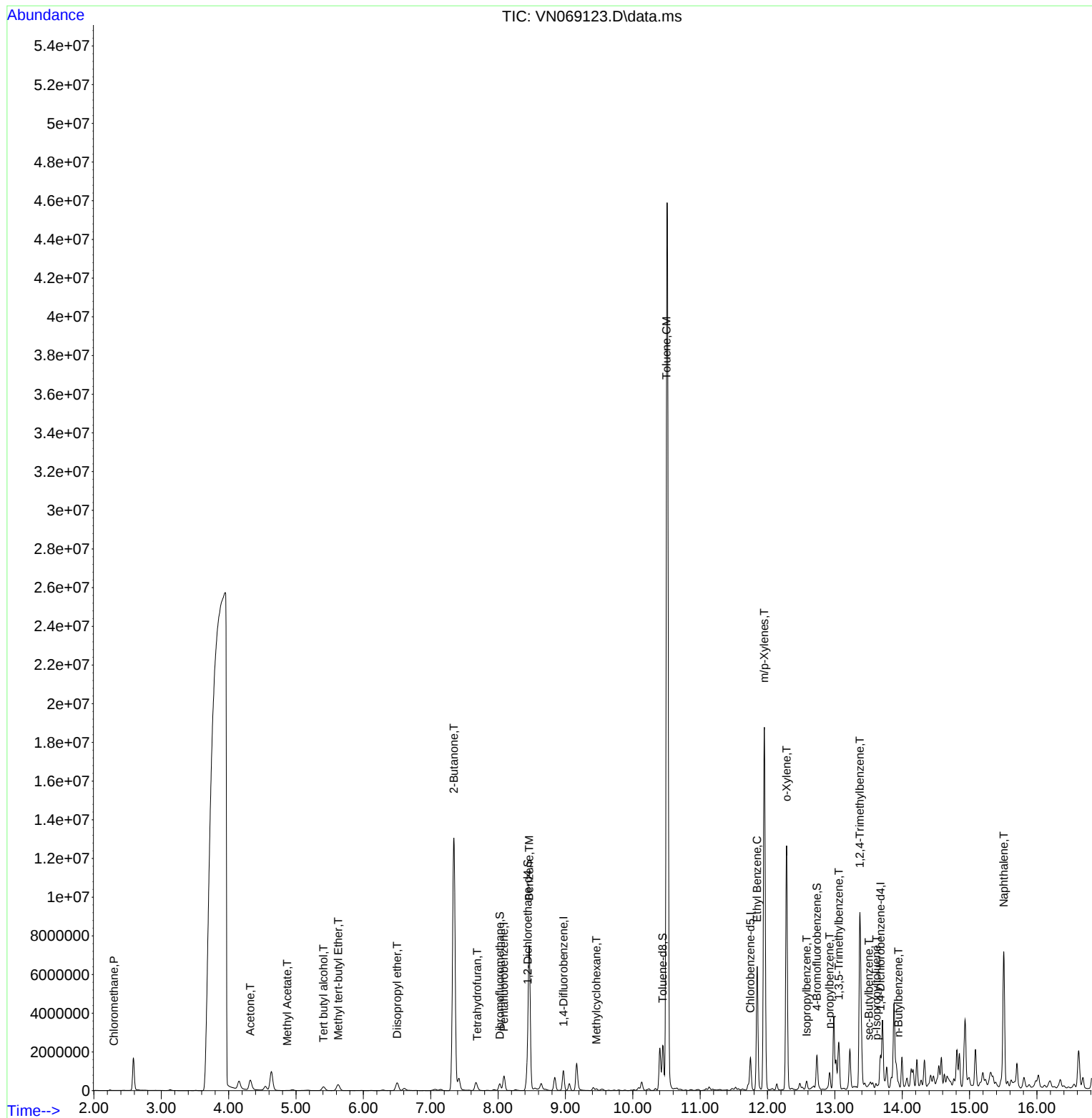
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Data File : VN069123.D
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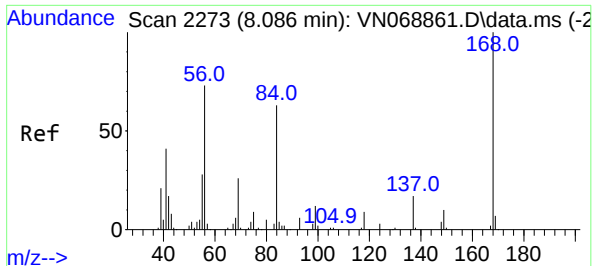
Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Oct 22 07:22:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





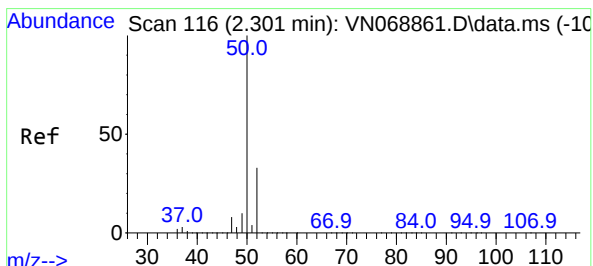
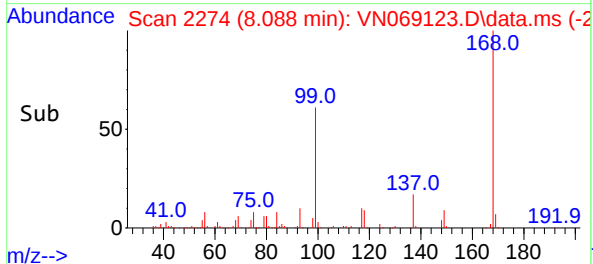
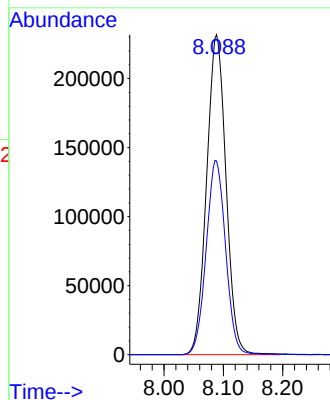
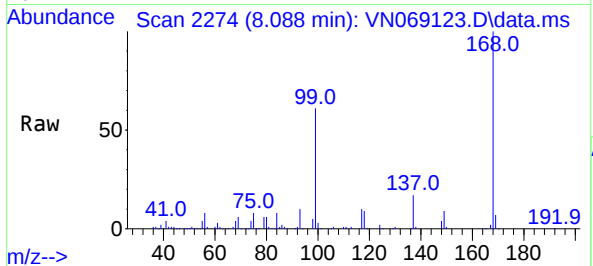
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 168 Resp: 525140
Ion Ratio Lower Upper
168 100
99 60.6 48.9 73.3

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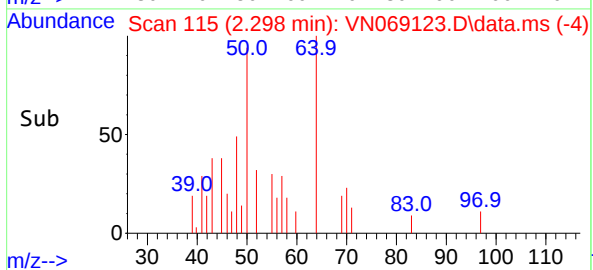
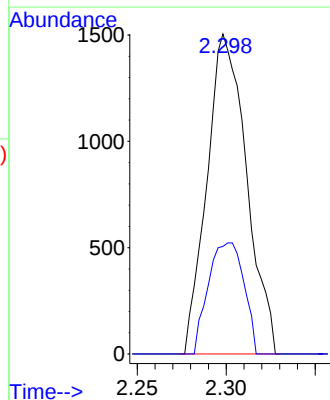
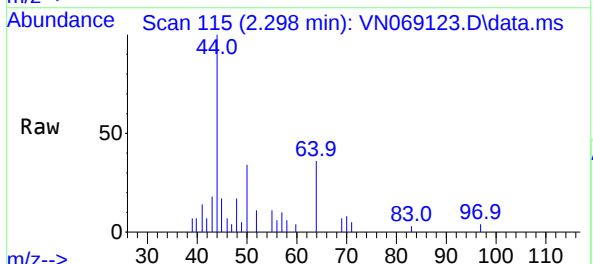
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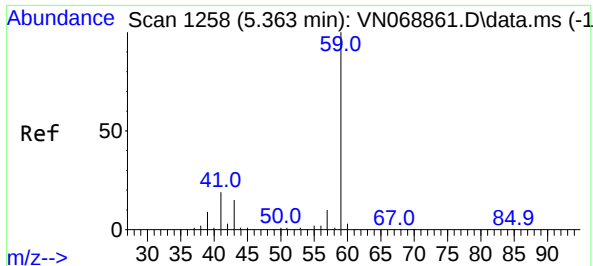
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#3
Chloromethane
Concen: 0.362 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.002 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 50 Resp: 2324
Ion Ratio Lower Upper
50 100
52 33.6 26.3 39.5





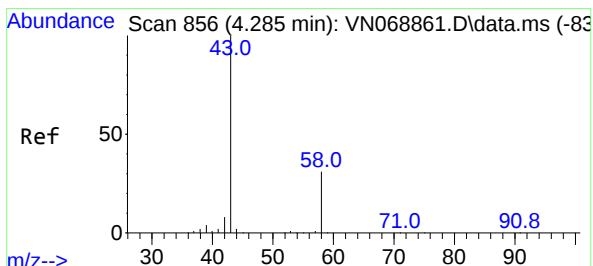
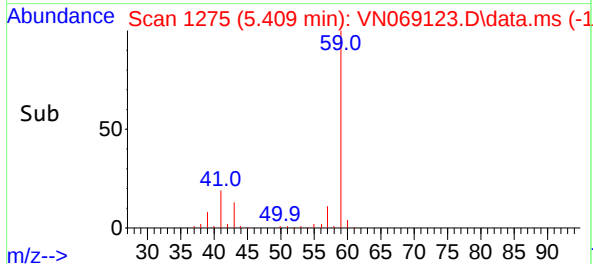
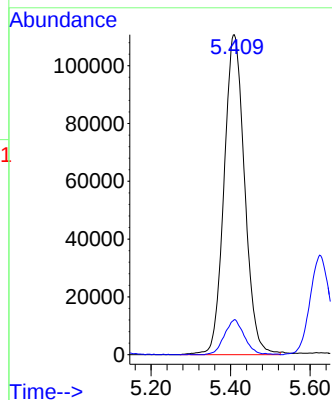
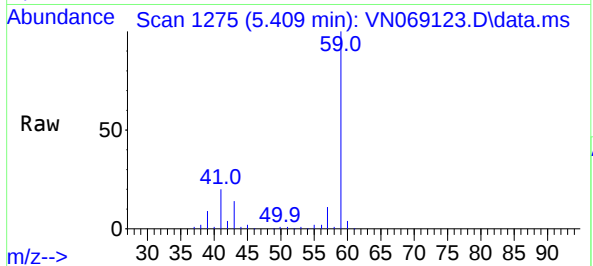
#11
Tert butyl alcohol
Concen: 314.153 ug/l
RT: 5.409 min Scan# 1275
Delta R.T. 0.046 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 59 Resp: 397454
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

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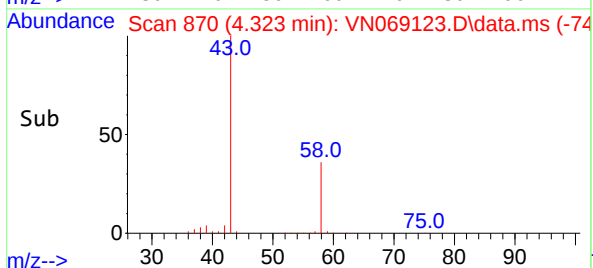
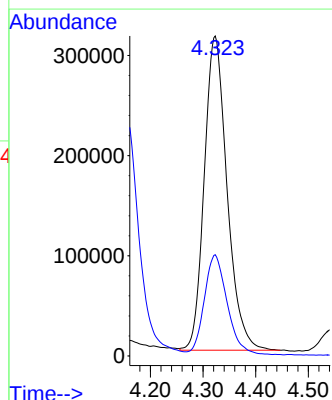
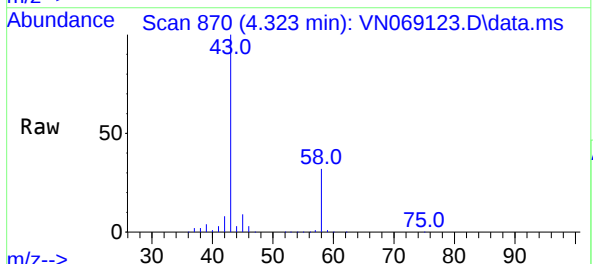
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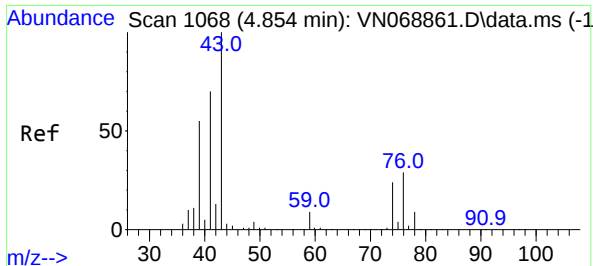
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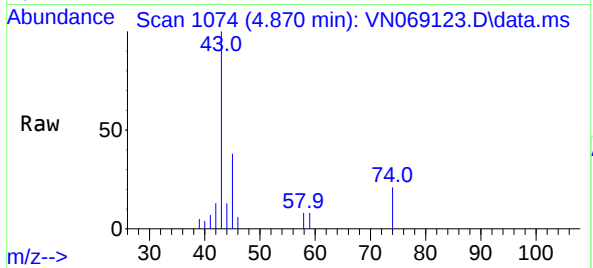
#16
Acetone
Concen: 365.428 ug/l
RT: 4.323 min Scan# 870
Delta R.T. 0.038 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 43 Resp: 944203
Ion Ratio Lower Upper
43 100
58 31.8 24.5 36.7

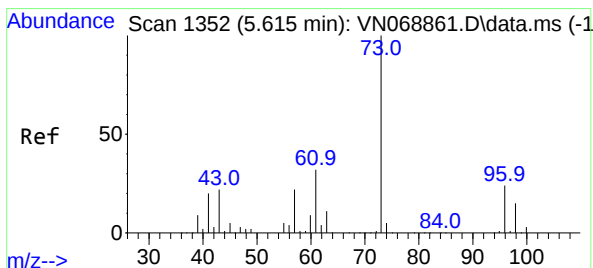
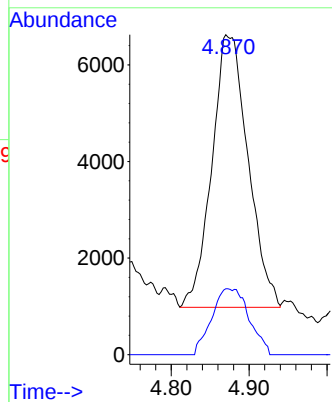
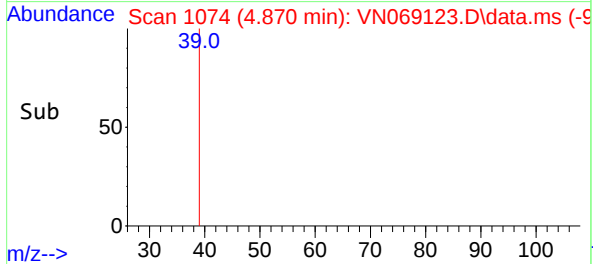




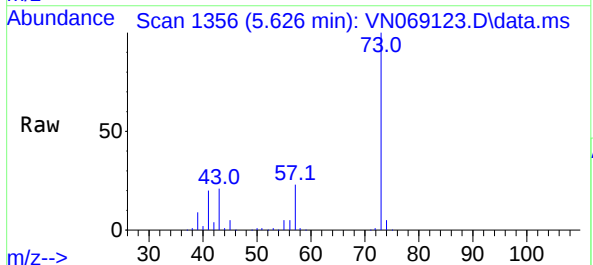
#18
Methyl Acetate
Concen: 1.860 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43



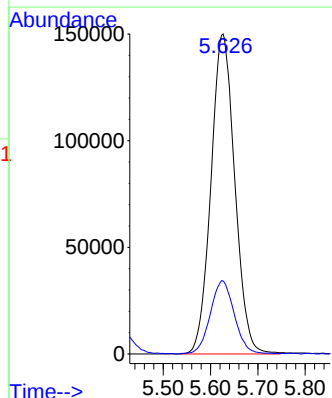
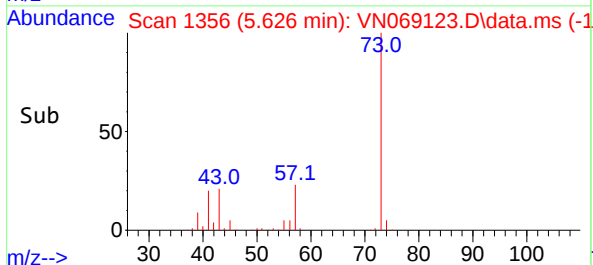
Tgt Ion: 43 Resp: 18231
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3



#19
Methyl tert-butyl Ether
Concen: 27.776 ug/l
RT: 5.626 min Scan# 1356
Delta R.T. 0.011 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43



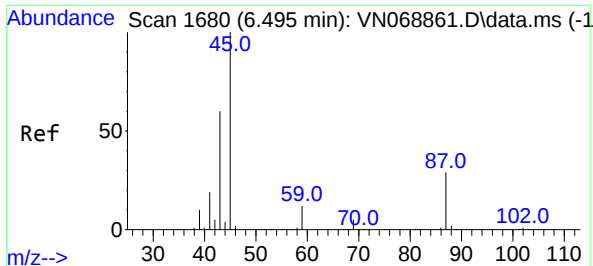
Tgt Ion: 73 Resp: 524798
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9



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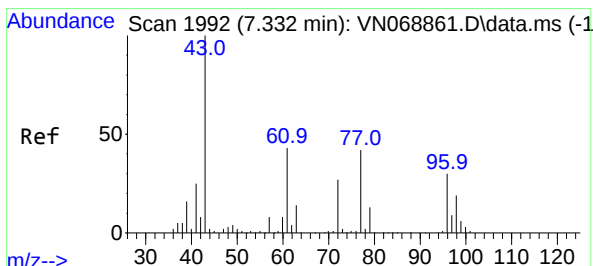
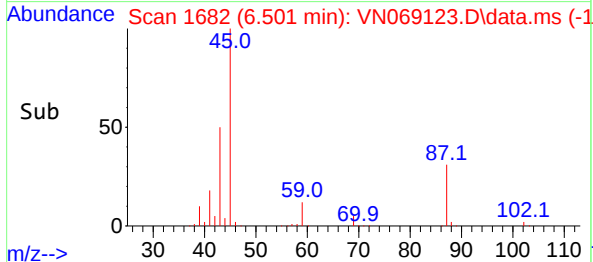
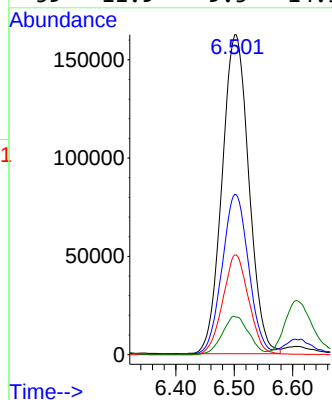
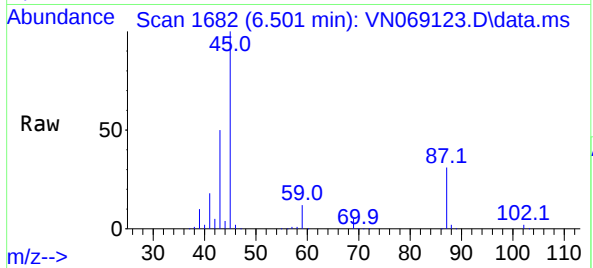
#22
Diisopropyl ether
Concen: 27.395 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:	45	Resp:	518221
Ion	Ratio	Lower	Upper
45	100		
43	50.0	48.0	72.0
87	31.2	23.4	35.0
59	11.9	9.5	14.3

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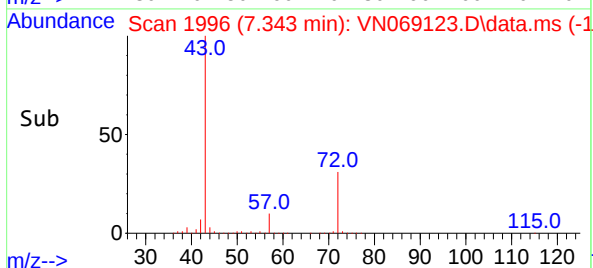
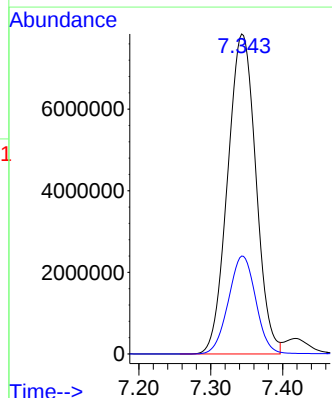
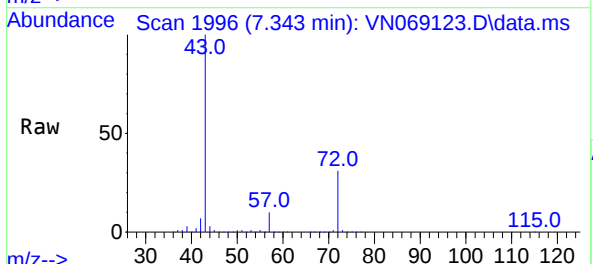
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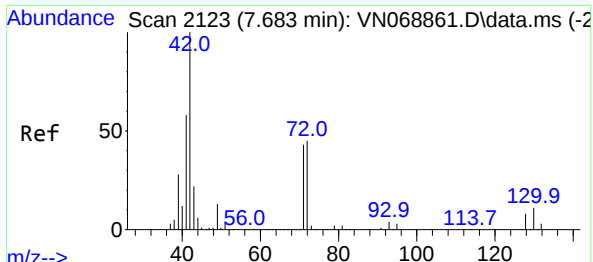
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#25
2-Butanone
Concen: 5483.150 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:	43	Resp:	21423651
Ion	Ratio	Lower	Upper
43	100		
72	30.6	21.2	31.8





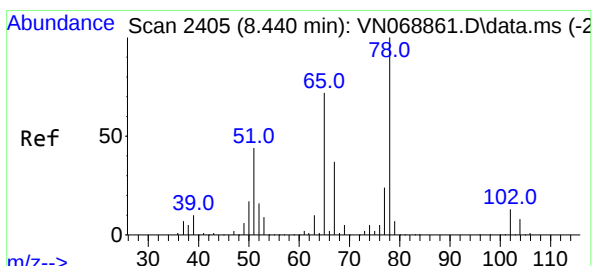
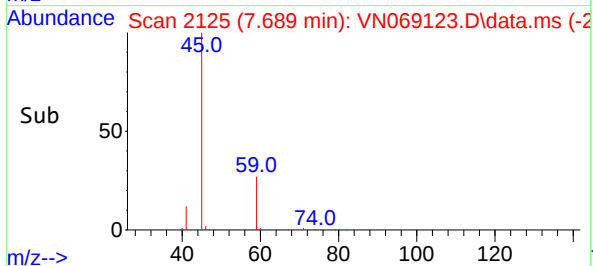
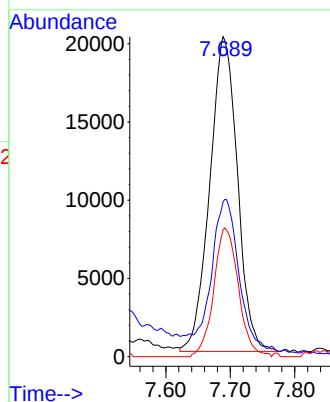
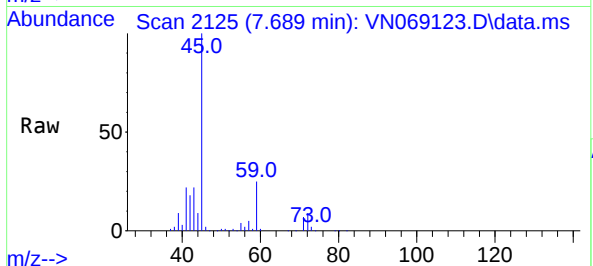
#29
Tetrahydrofuran
Concen: 23.675 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.006 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:	42	Resp:	60000
Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.4	53.2
71	36.5	33.8	50.6

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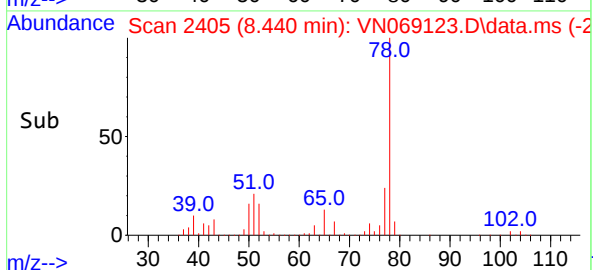
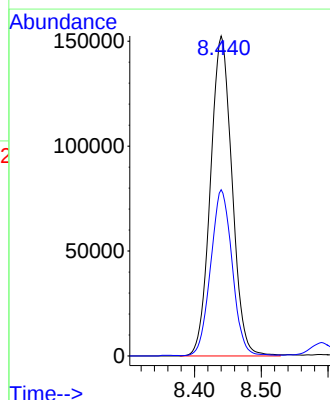
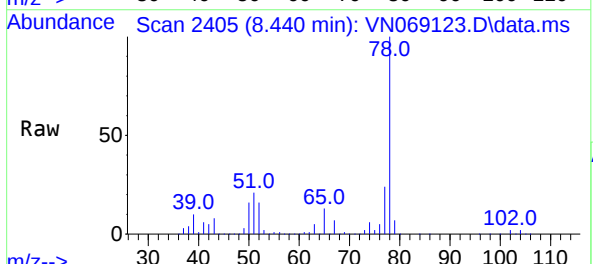
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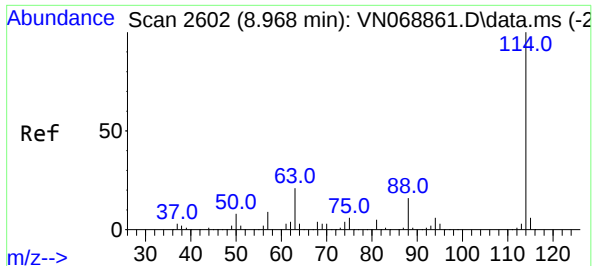
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#33
1,2-Dichloroethane-d4
Concen: 49.546 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:	65	Resp:	343043
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.8





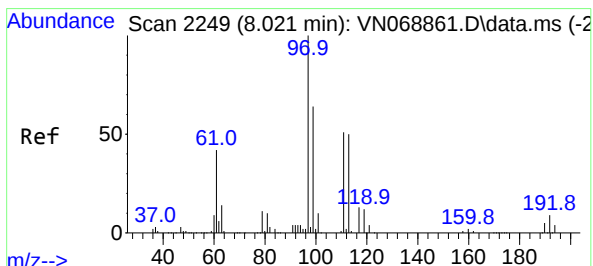
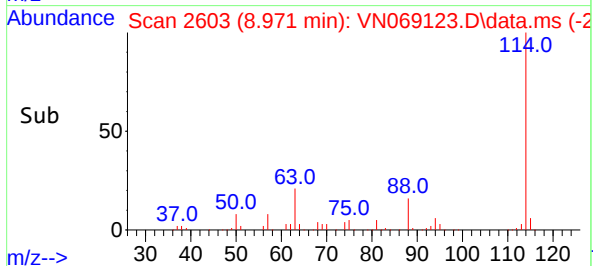
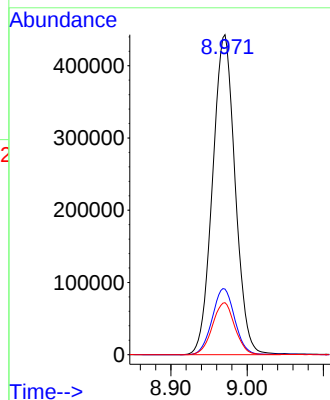
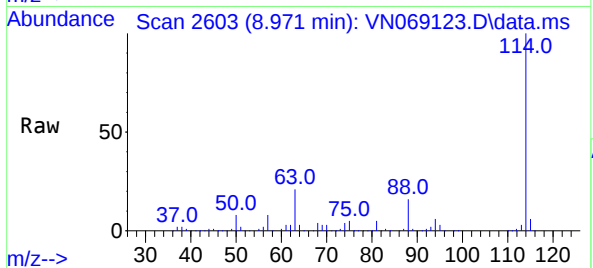
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1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:114 Resp: 909737
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 16.2 0.0 32.0

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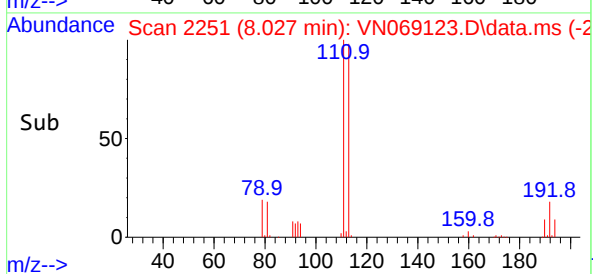
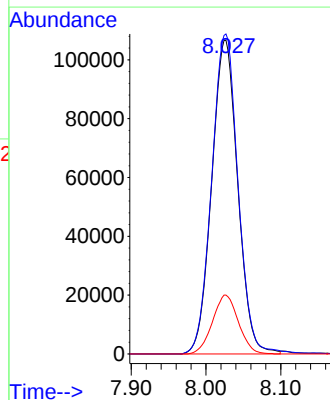
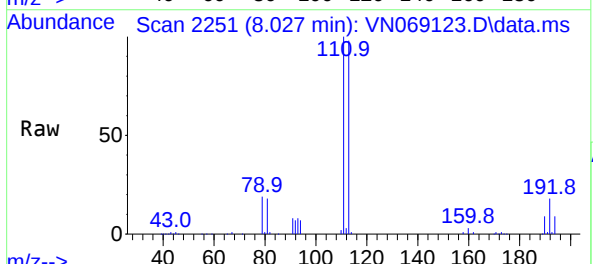
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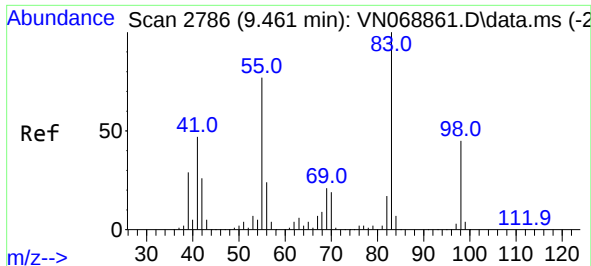
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#35
Dibromofluoromethane
Concen: 48.719 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:113 Resp: 257864
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.7 15.0 22.4





#39

Methylcyclohexane

Concen: 3.975 ug/l

RT: 9.462 min Scan# 2786

Delta R.T. 0.000 min

Lab File: VN069123.D

Acq: 22 Oct 2021 6:43

Tgt Ion:	83	Resp:	39756
Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.4	92.0
98	44.6	36.4	54.6

Instrument :

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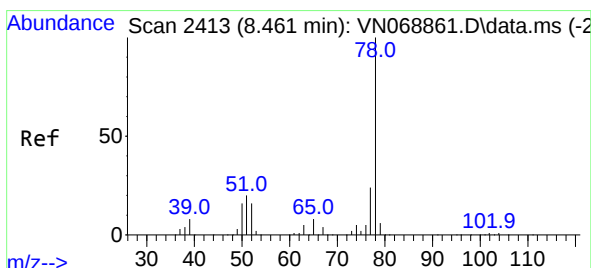
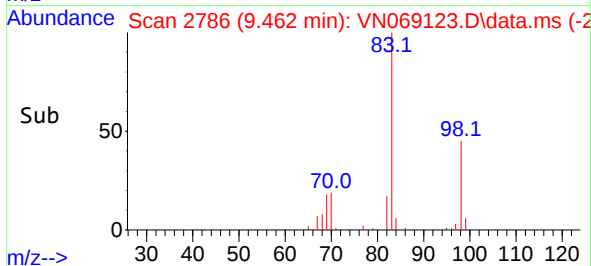
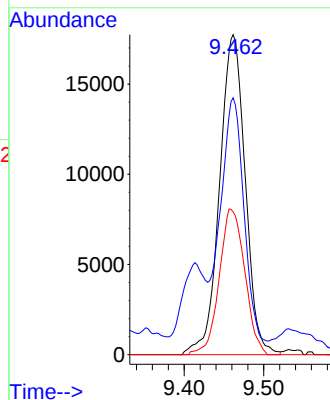
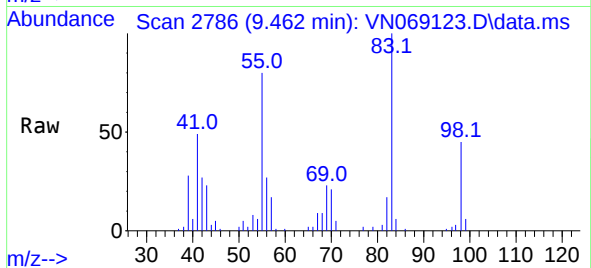
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#40

Benzene

Concen: 331.863 ug/l

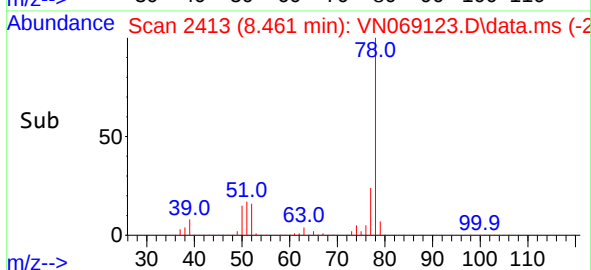
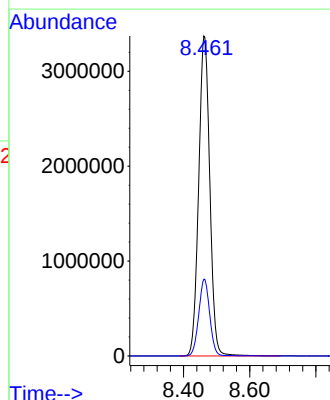
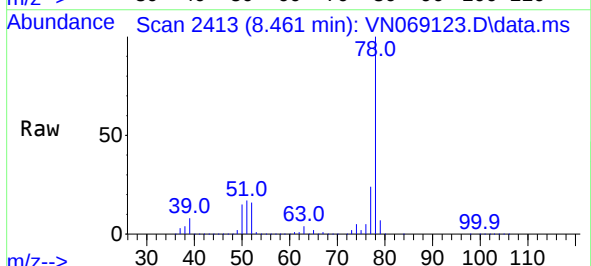
RT: 8.461 min Scan# 2413

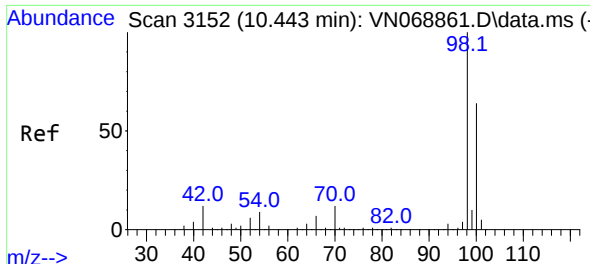
Delta R.T. 0.000 min

Lab File: VN069123.D

Acq: 22 Oct 2021 6:43

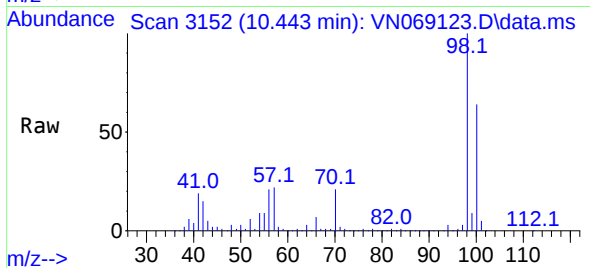
Tgt Ion:	78	Resp:	7852506
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#50
Toluene-d8
Concen: 55.720 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

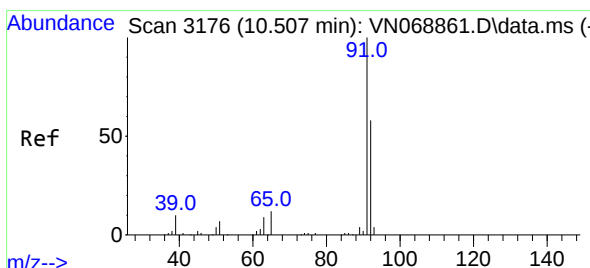
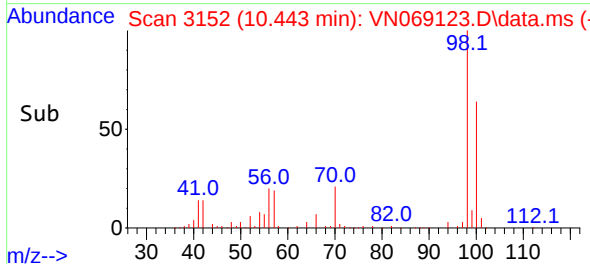
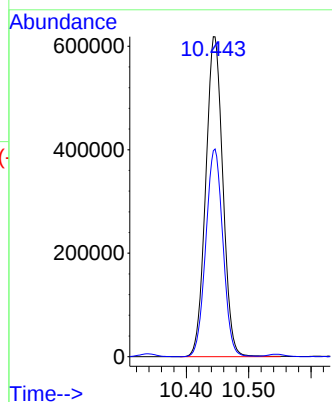
Instrument :
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20890



Tgt Ion: 98 Resp: 1180037
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3

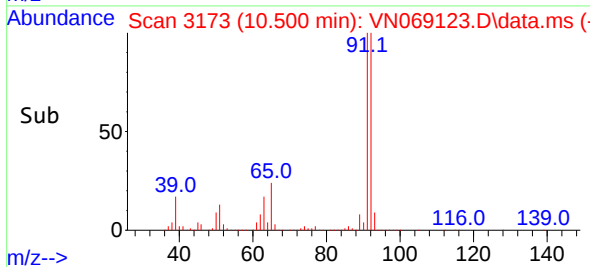
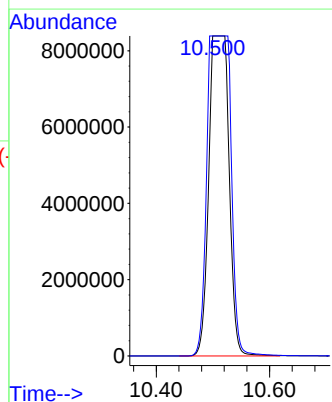
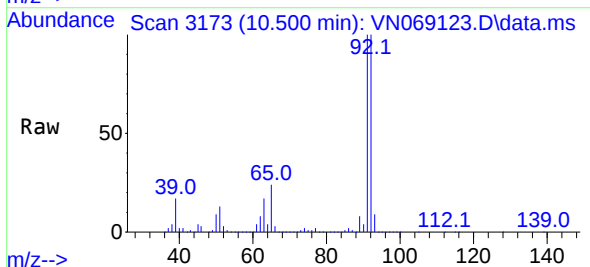
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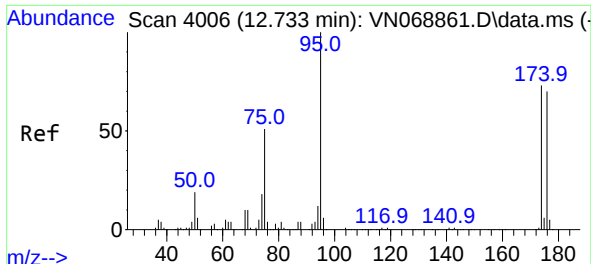
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#52
Toluene
Concen: 1359.419 ug/l m
RT: 10.500 min Scan# 3173
Delta R.T. -0.008 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 92 Resp: 20695038
Ion Ratio Lower Upper
92 100
91 0.0 138.5 207.7#





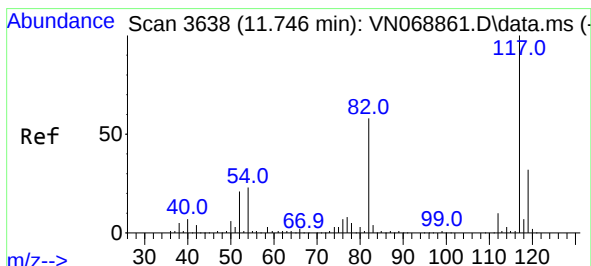
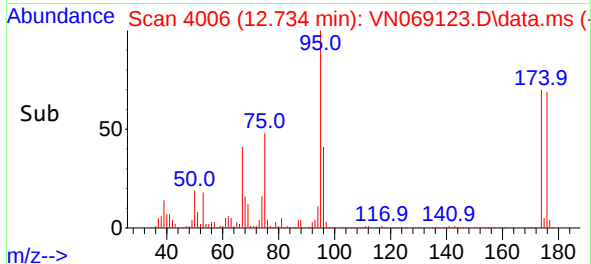
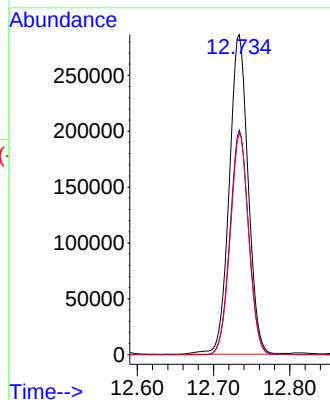
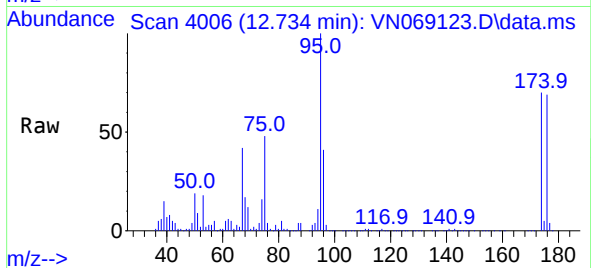
#62
4-Bromofluorobenzene
Concen: 61.474 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 95 Resp: 491191
Ion Ratio Lower Upper
95 100
174 69.4 0.0 144.8
176 67.9 0.0 140.0

Instrument :
MSVOA_N
ClientSampled :
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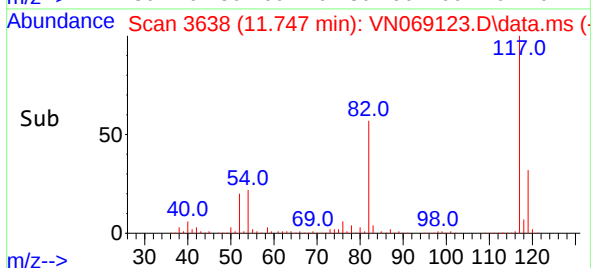
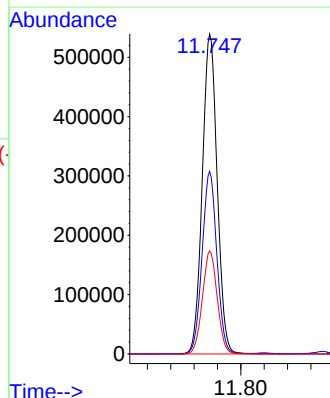
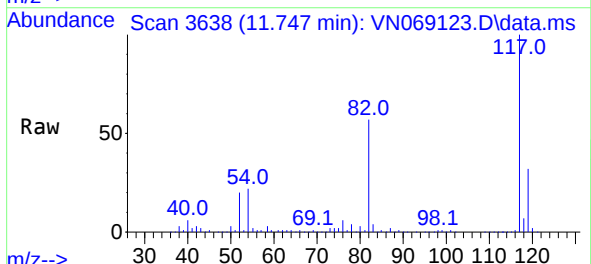
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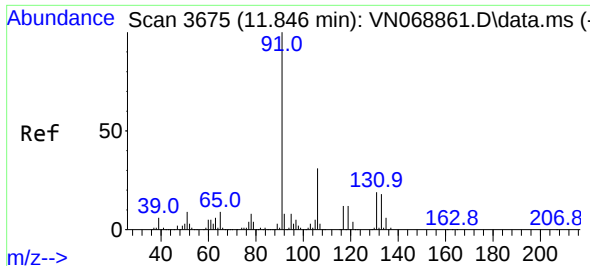
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 117 Resp: 953801
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.2 26.0 39.0





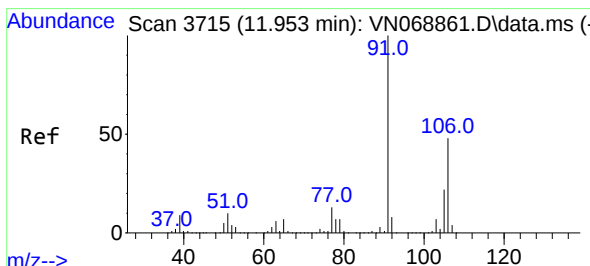
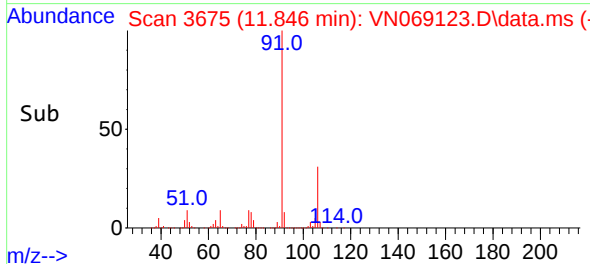
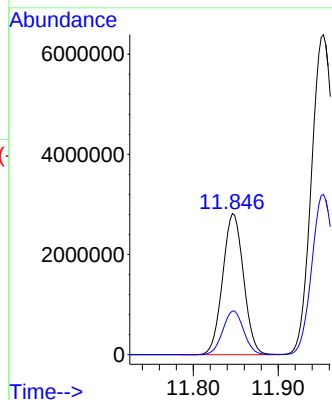
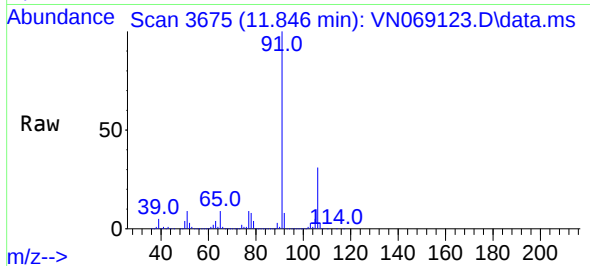
#67
Ethyl Benzene
Concen: 143.882 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion: 91 Resp: 4823809
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2

Instrument :
MSVOA_N
ClientSampled :
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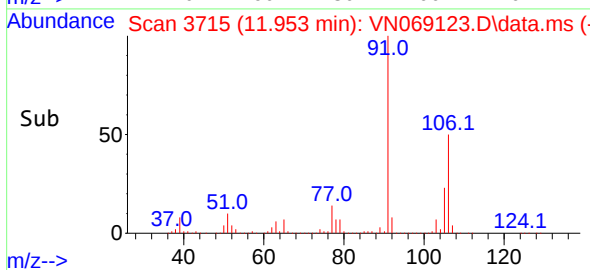
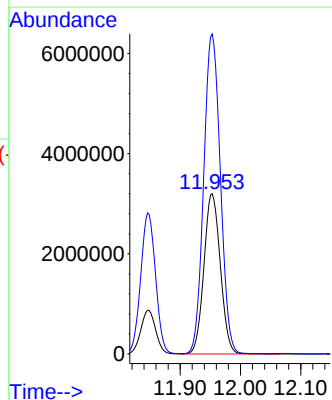
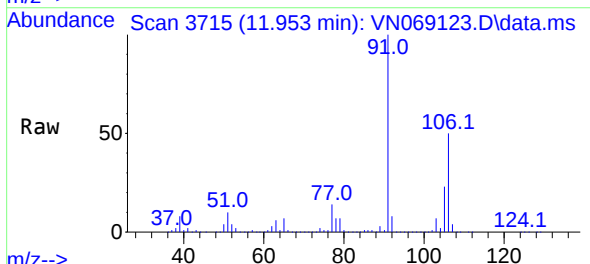
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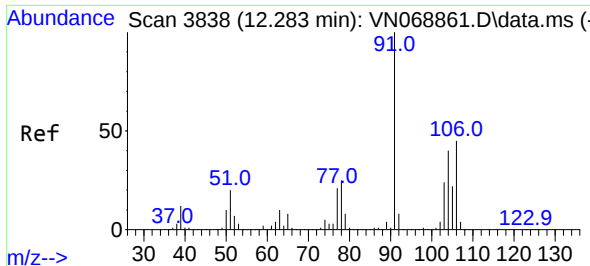
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#68
m/p-Xylenes
Concen: 474.797 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:106 Resp: 6034316
Ion Ratio Lower Upper
106 100
91 203.2 166.8 250.2





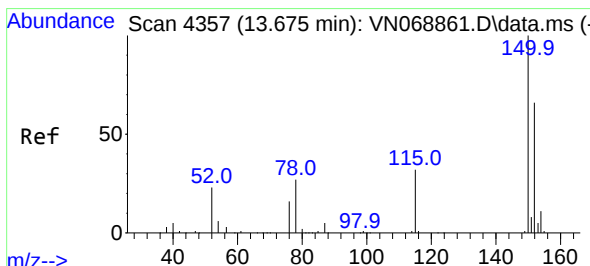
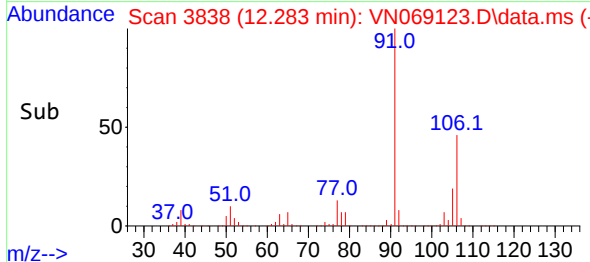
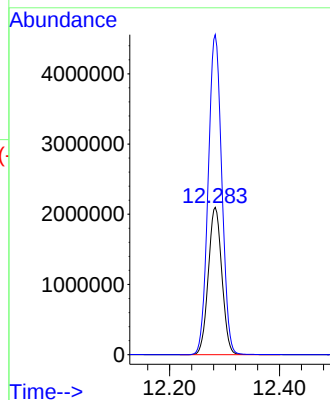
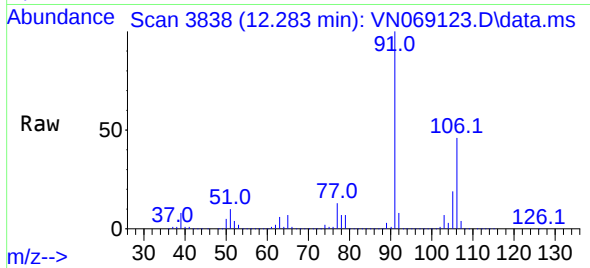
#69
o-Xylene
Concen: 282.050 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

Tgt Ion:106 Resp: 3588079
Ion Ratio Lower Upper
106 100
91 218.4 109.6 328.6

Instrument :
MSVOA_N
ClientSampled :
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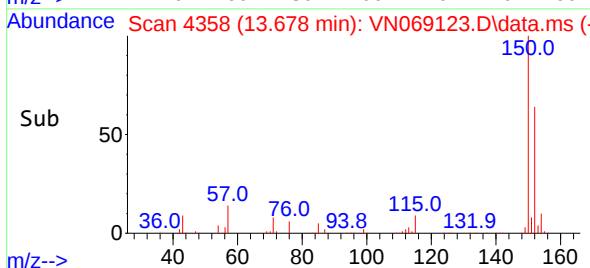
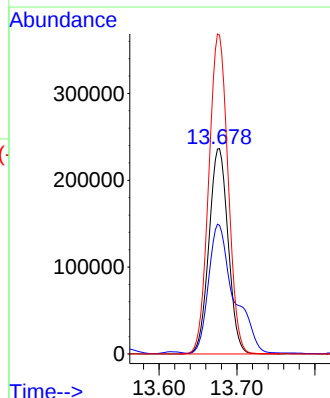
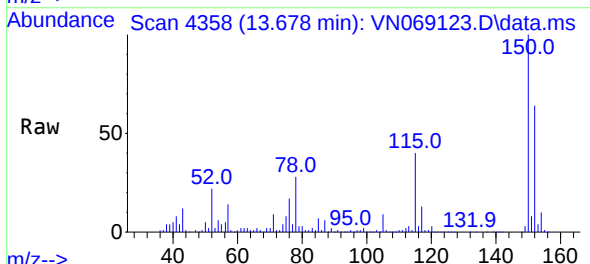
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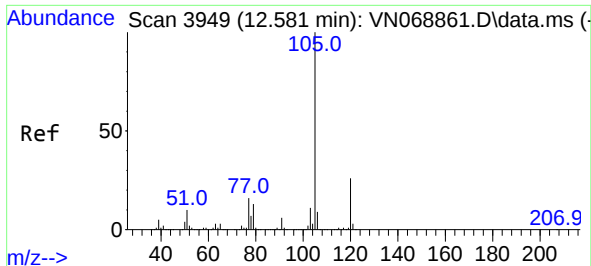
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

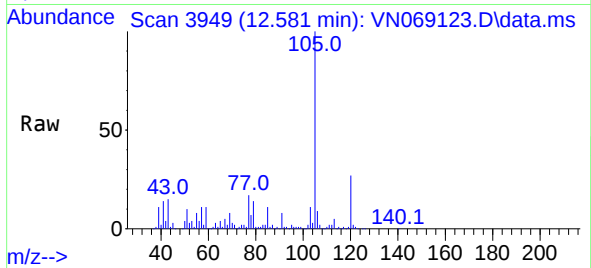
Tgt Ion:152 Resp: 404252
Ion Ratio Lower Upper
152 100
115 83.1 31.4 94.3
150 156.8 0.0 351.0





#73
Isopropylbenzene
Concen: 6.086 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

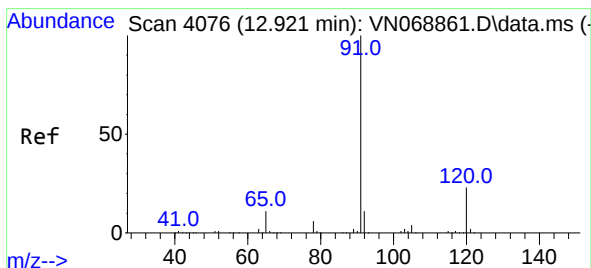
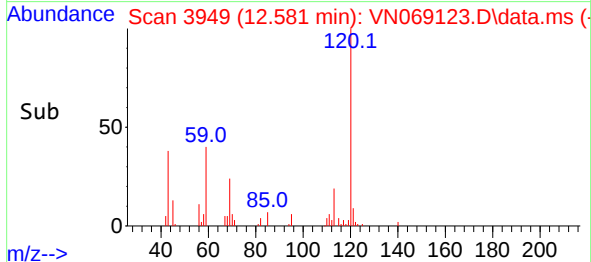
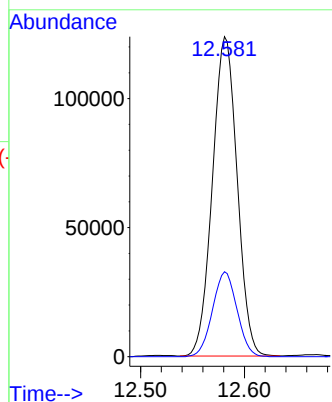
Instrument :
MSVOA_N
ClientSampled :
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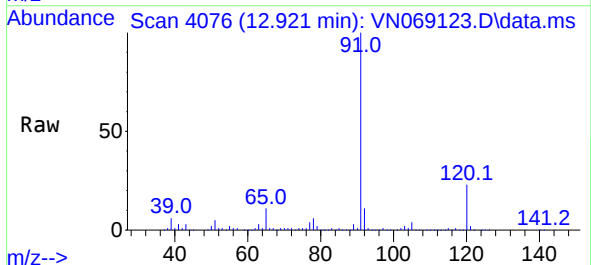
Tgt Ion:105 Resp: 204781
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3

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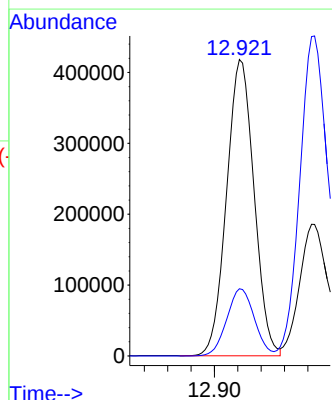
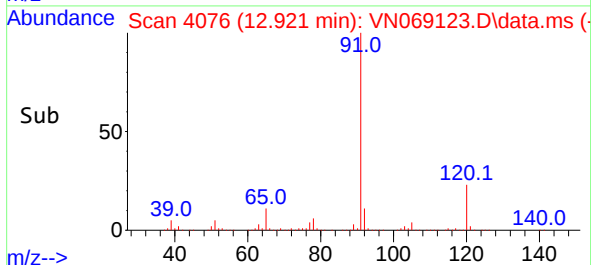
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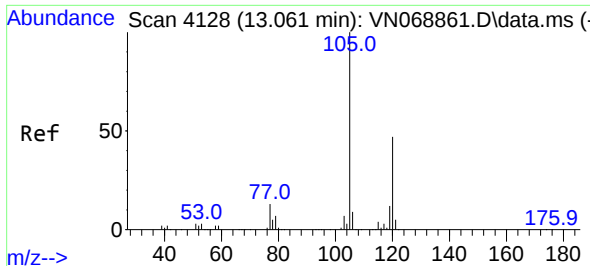


#78
n-propylbenzene
Concen: 18.057 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43



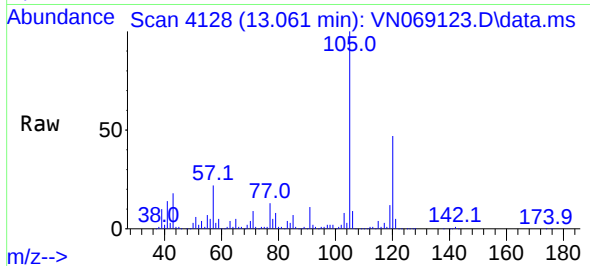
Tgt Ion: 91 Resp: 682782
Ion Ratio Lower Upper
91 100
120 22.8 11.4 34.1





#80
1,3,5-Trimethylbenzene
Concen: 34.032 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

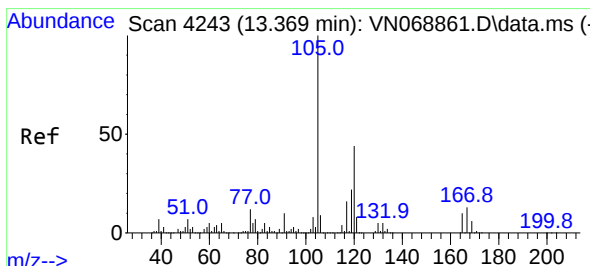
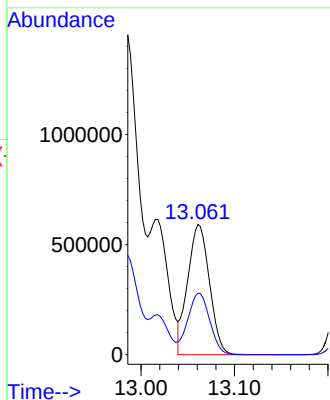
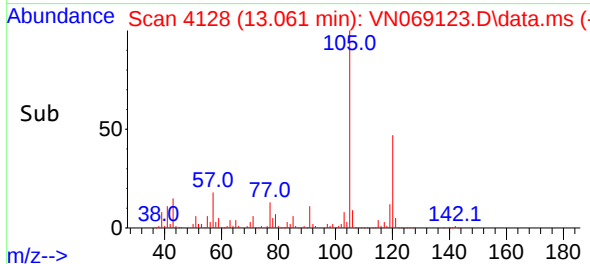
Instrument :
MSVOA_N
ClientSampleId :
20890



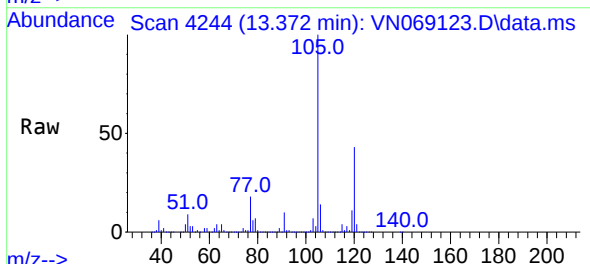
Tgt Ion:105 Resp: 953793
Ion Ratio Lower Upper
105 100
120 47.5 23.4 70.2

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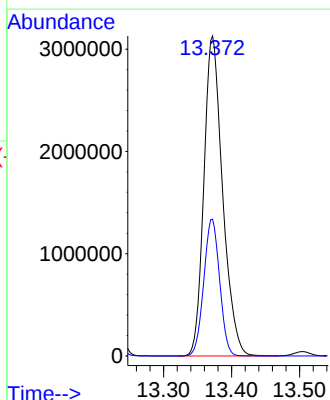
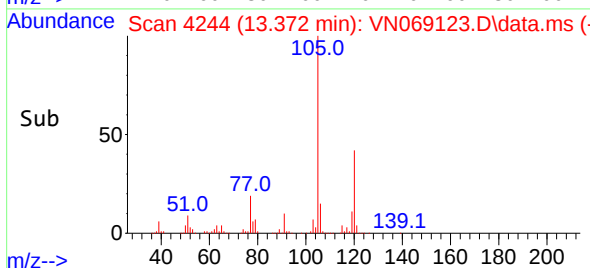
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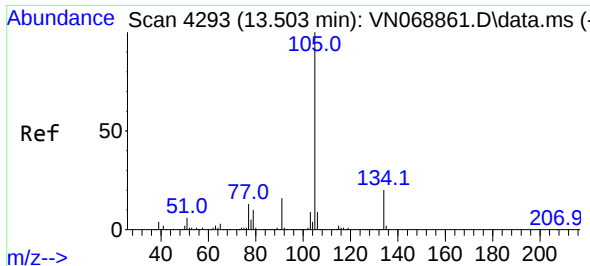


#84
1,2,4-Trimethylbenzene
Concen: 221.479 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43



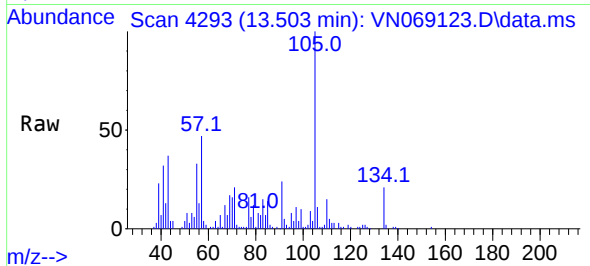
Tgt Ion:105 Resp: 5980755
Ion Ratio Lower Upper
105 100
120 36.2 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 2.214 ug/l m
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069123.D
 Acq: 22 Oct 2021 6:43

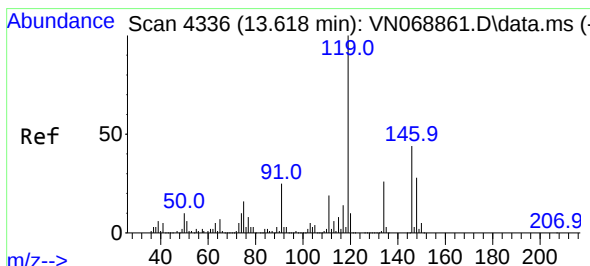
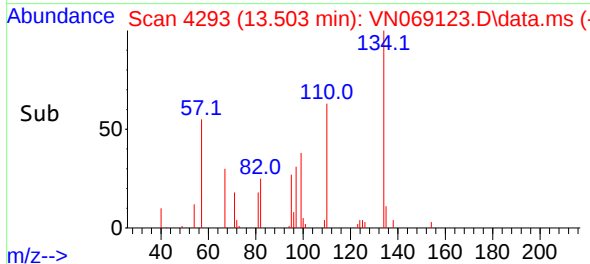
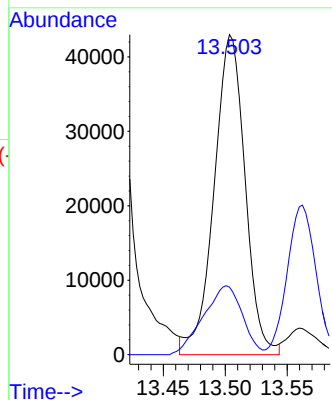
Instrument :
 MSVOA_N
 ClientSampled :
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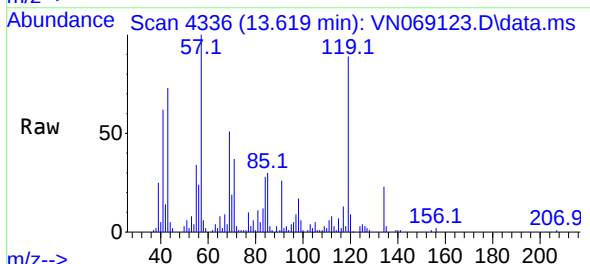
Tgt Ion:105 Resp: 74820
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#

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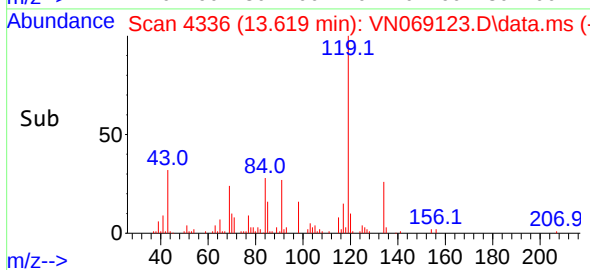
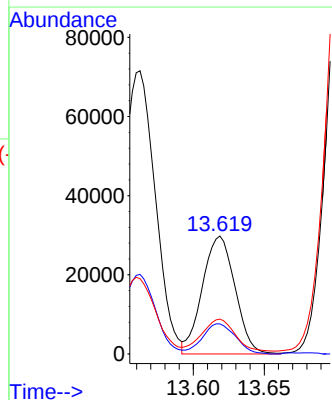
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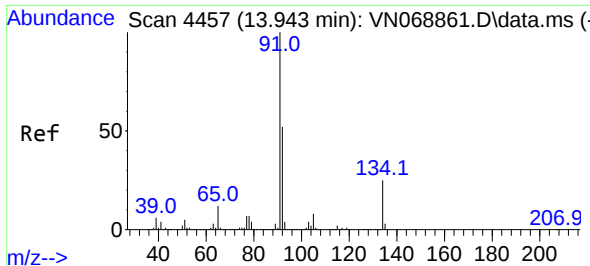


#86
 p-Isopropyltoluene
 Concen: 1.764 ug/l m
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN069123.D
 Acq: 22 Oct 2021 6:43



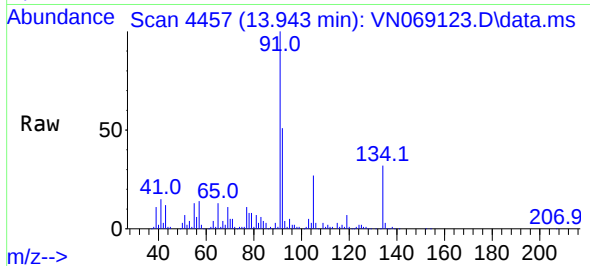
Tgt Ion:119 Resp: 47799
 Ion Ratio Lower Upper
 119 100
 134 68.1 12.9 38.6#
 91 59.6 12.8 38.4#





#89
n-Butylbenzene
Concen: 5.800 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43

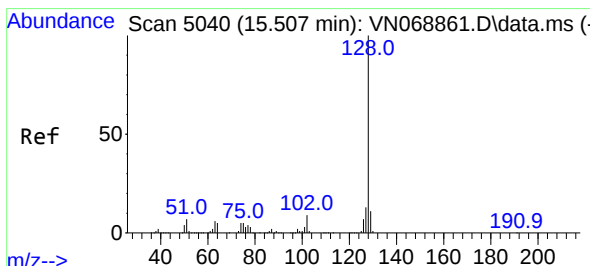
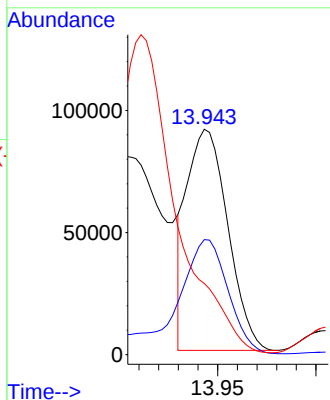
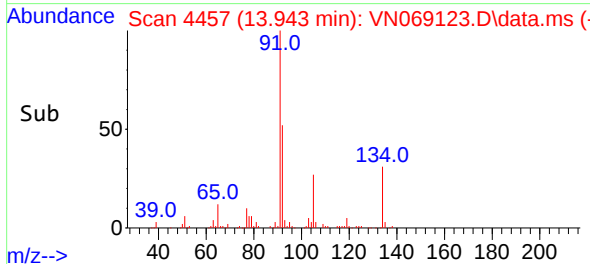
Instrument :
MSVOA_N
ClientSampled :
20890



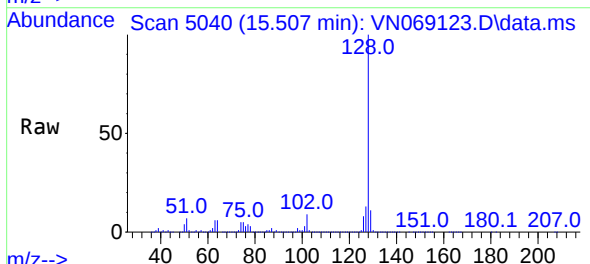
Tgt Ion: 91 Resp: 130855
Ion Ratio Lower Upper
91 100
92 57.6 26.0 78.0
134 0.0 12.5 37.5#

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#95
Naphthalene
Concen: 313.651 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069123.D
Acq: 22 Oct 2021 6:43



Tgt Ion:128 Resp: 6292485
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.9 13.3

