

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071521\
 Data File : VN067764.D
 Acq On : 15 Jul 2021 15:07
 Operator : JC/MD
 Sample : M3060-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 210714105-02-VOA

Manual Integrations
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 7/16/2021 10:40:29 AM

Quant Time: Jul 16 03:02:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	77311	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	451347	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	398760	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	198449	31.773	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.900%
60) 4-Bromofluorobenzene	12.733	95	181952	28.096	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.667%
63) Toluene-d8	10.443	98	555421	30.283	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.933%
Target Compounds						
					Qvalue	
6) Chloroethane	3.025	64	4582m	0.801	ug/l	
8) Diethyl Ether	3.819	74	28393	10.715	ug/l	91
23) tert-Butyl Alcohol	5.385	59	222981	268.762	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	10097m	0.652	ug/l	
34) Benzene	8.461	78	34029	1.608	ug/l #	19
45) 1,4-Dioxane	9.574	88	17606	193.135	ug/l #	95
62) Toluene	10.510	91	19177	0.818	ug/l	96
64) Chlorobenzene	11.773	112	125167	8.910	ug/l	100
66) Ethyl Benzene	11.848	91	157090	6.053	ug/l	100
67) m/p-Xylenes	11.956	106	26967	2.724	ug/l	92
68) o-Xylene	12.283	106	22452	2.298	ug/l	99
70) Isopropylbenzene	12.583	105	26723	1.060	ug/l	96
75) 2-Chlorotoluene	13.010	91	9272	0.535	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	28136	1.365	ug/l #	80
82) p-Isopropyltoluene	13.616	119	7725	0.375	ug/l	90
84) 1,4-Dichlorobenzene	13.699	146	72214	6.849	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	5410	0.523	ug/l	74
91) Naphthalene	15.509	128	84828	6.337	ug/l	98

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

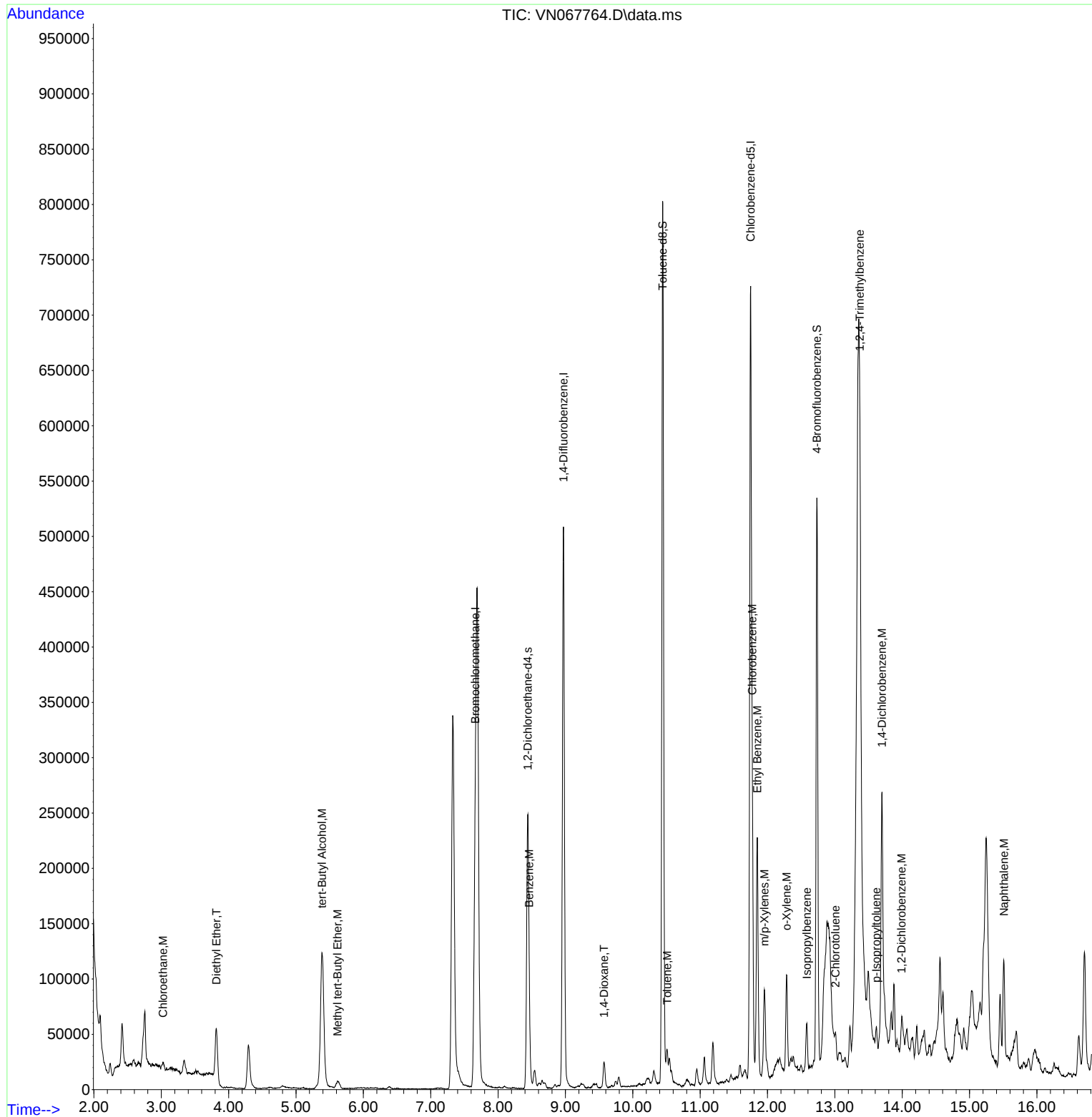
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Data File : VN067764.D
Acq On : 15 Jul 2021 15:07
Operator : JC/MD
Sample : M3060-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

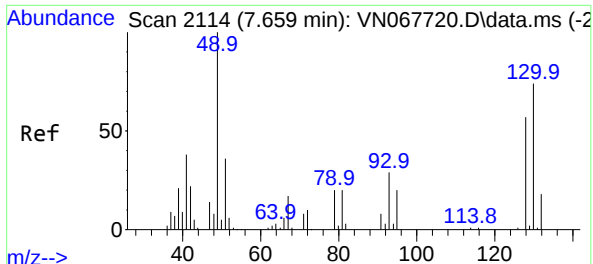
Instrument :
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210714105-02-VOA

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Quant Time: Jul 16 03:02:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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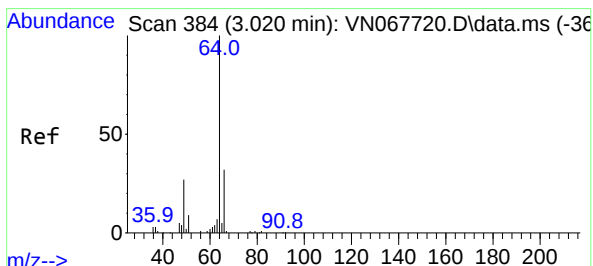
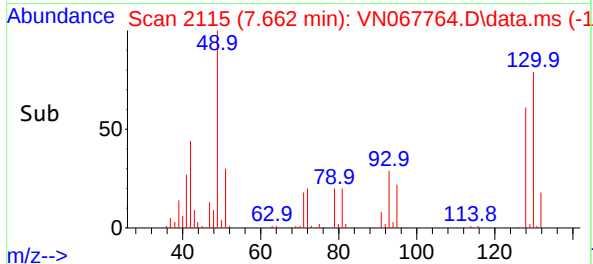
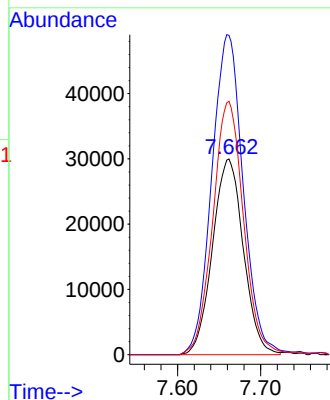
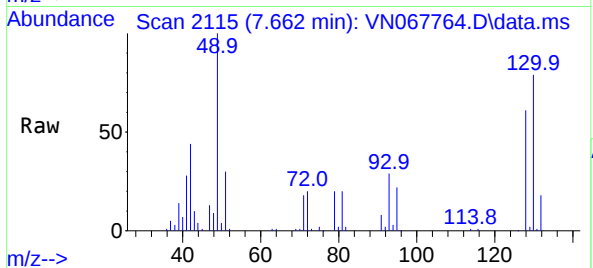
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion:128 Resp: 77311
Ion Ratio Lower Upper
128 100
49 166.4 0.0 433.0
130 128.9 0.0 323.8

Instrument :
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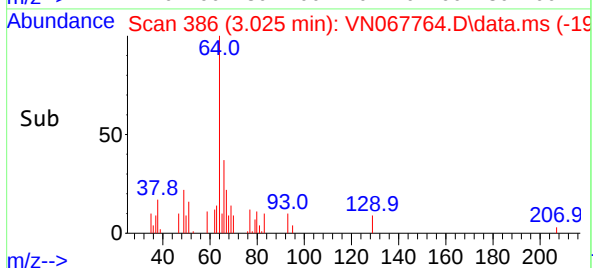
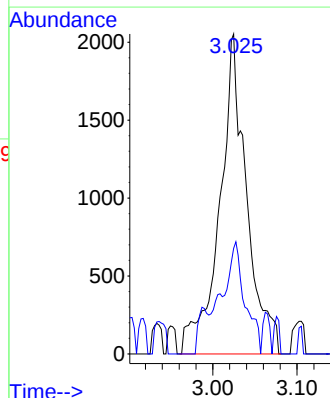
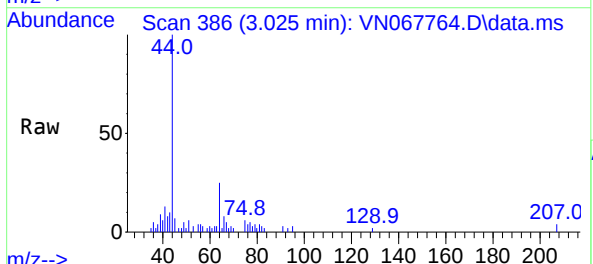
Manual Integrations
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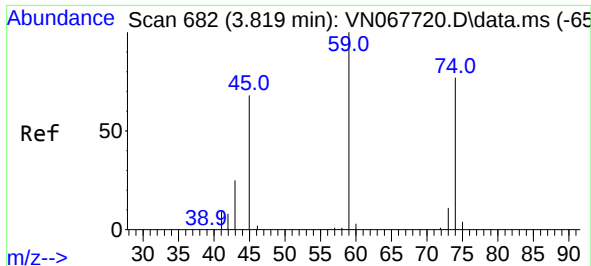
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#6
Chloroethane
Concen: 0.801 ug/l m
RT: 3.025 min Scan# 386
Delta R.T. 0.005 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 64 Resp: 4582
Ion Ratio Lower Upper
64 100
66 33.0 25.4 38.0





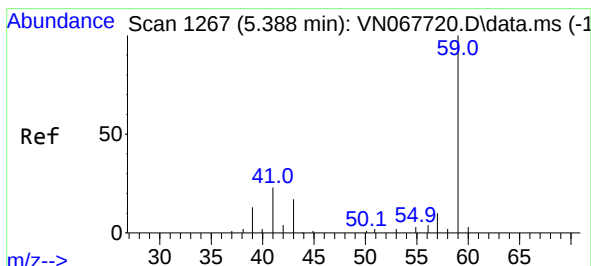
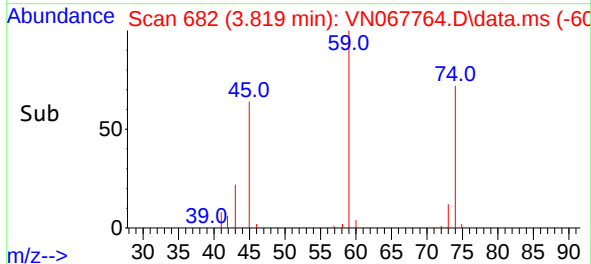
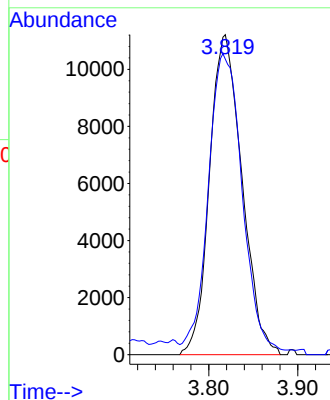
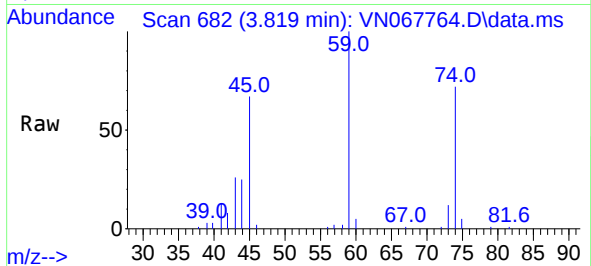
#8
Diethyl Ether
Concen: 10.715 ug/l
RT: 3.819 min Scan# 682
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 74 Resp: 28393
Ion Ratio Lower Upper
74 100
45 95.2 17.5 157.1

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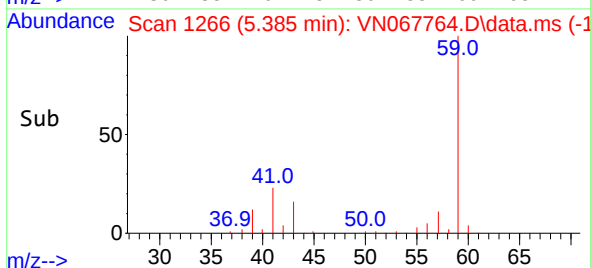
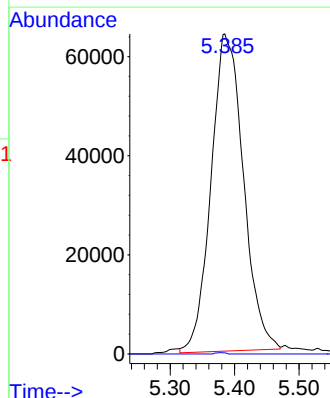
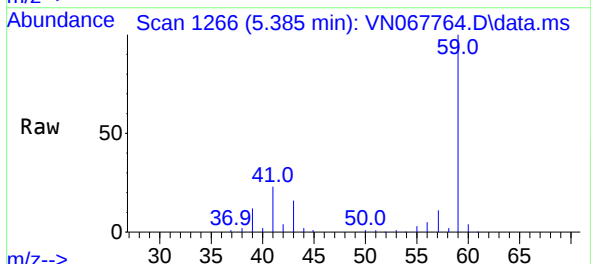
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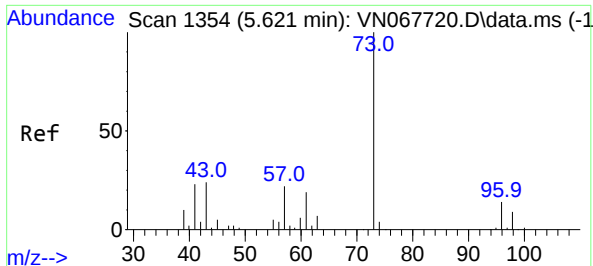
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#23
tert-Butyl Alcohol
Concen: 268.762 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.003 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 59 Resp: 222981
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#





#24

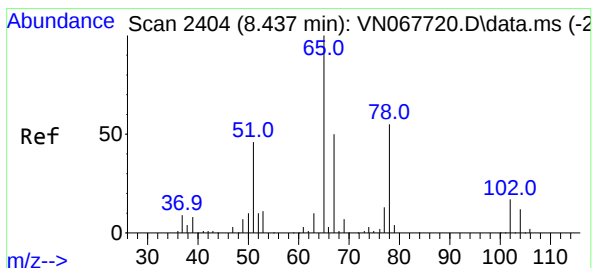
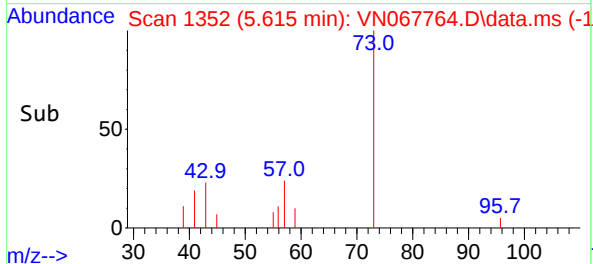
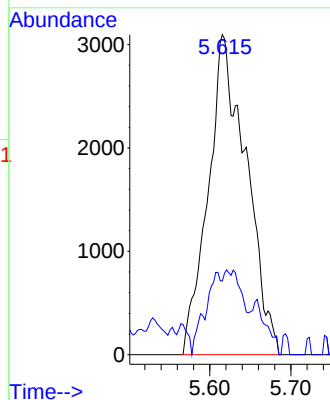
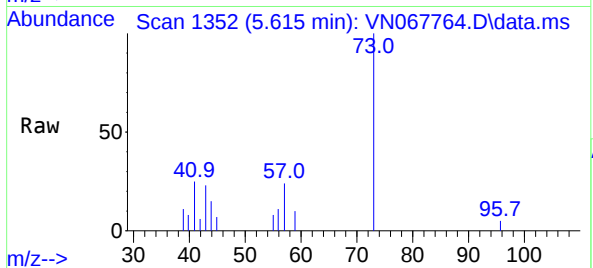
Methyl tert-Butyl Ether
Concen: 0.652 ug/l m
RT: 5.615 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 73 Resp: 10097
Ion Ratio Lower Upper
73 100
43 4.3 18.6 27.8#

Instrument :
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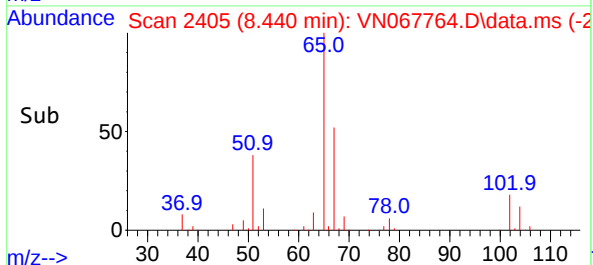
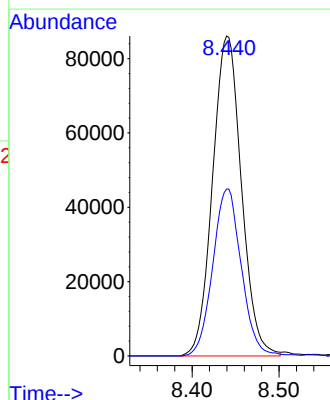
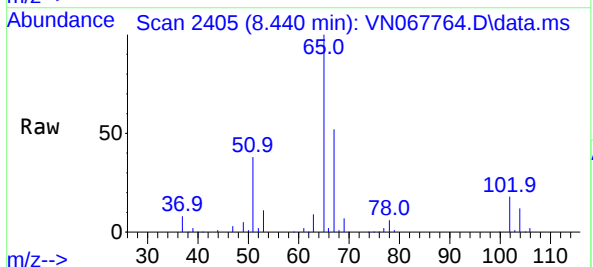
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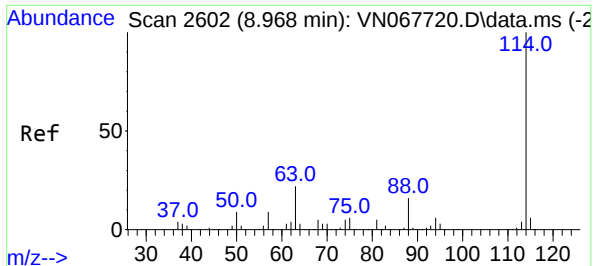


#27

1,2-Dichloroethane-d4
Concen: 31.773 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 65 Resp: 198449
Ion Ratio Lower Upper
65 100
67 51.5 40.6 60.8





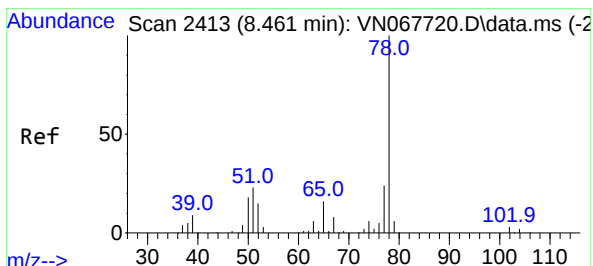
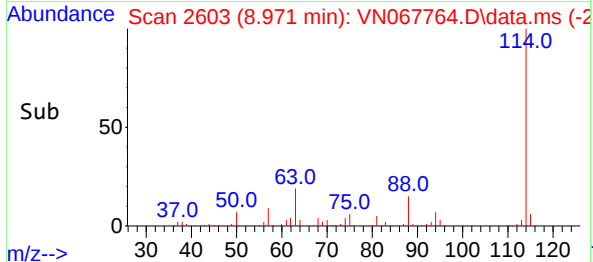
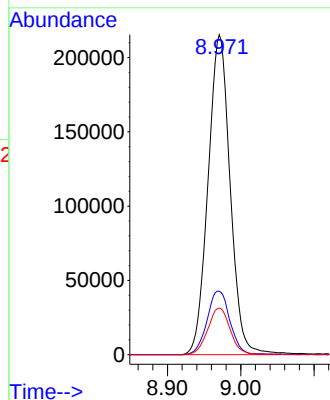
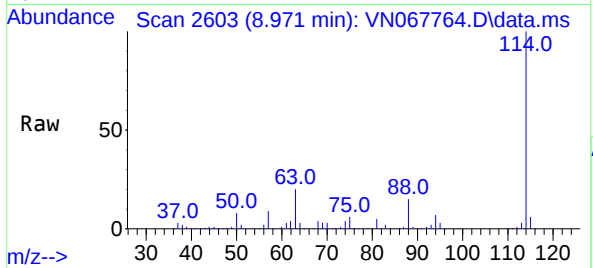
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 114 Resp: 451347
Ion Ratio Lower Upper
114 100
63 20.5 17.2 25.8
88 14.8 12.4 18.6

Instrument :
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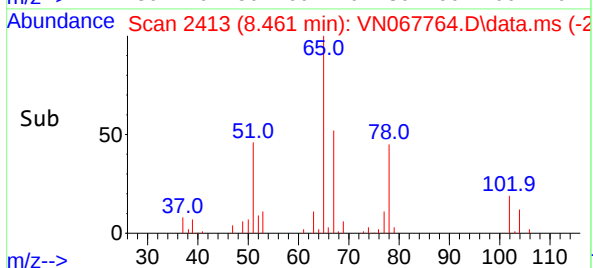
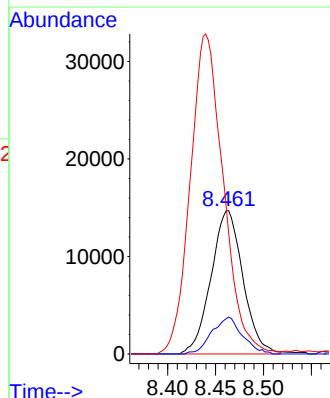
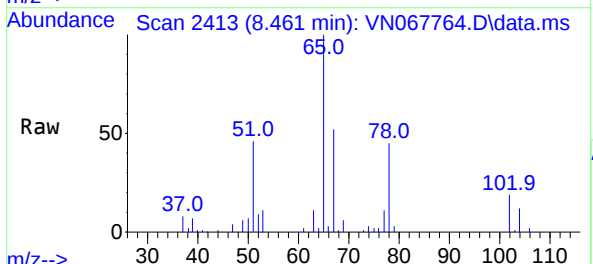
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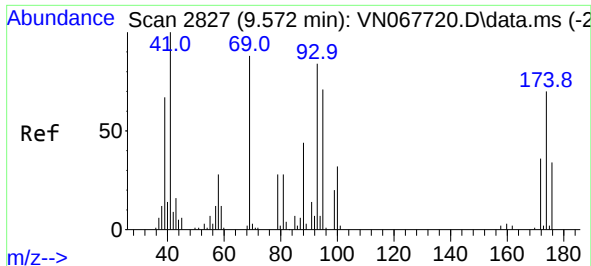
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#34
Benzene
Concen: 1.608 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 78 Resp: 34029
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7
51 102.0 18.2 27.4#





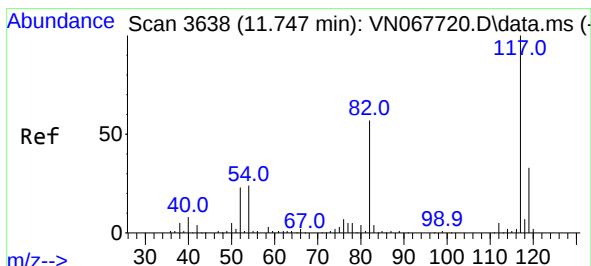
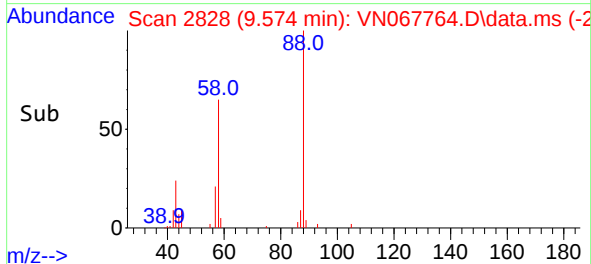
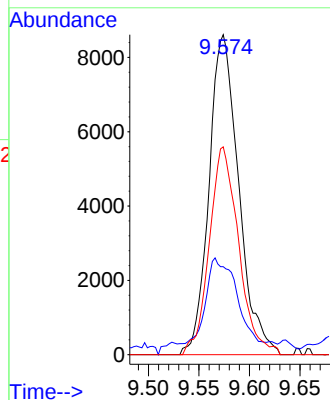
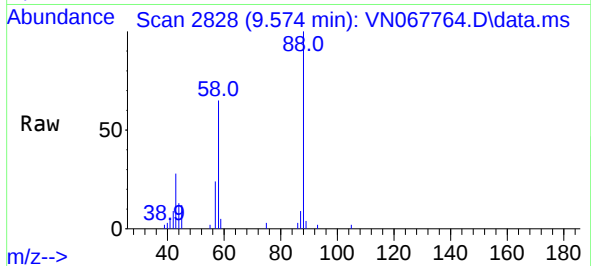
#45
1,4-Dioxane
Concen: 193.135 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion: 88 Resp: 17606
Ion Ratio Lower Upper
88 100
43 26.7 26.9 40.3#
58 63.7 52.2 78.4

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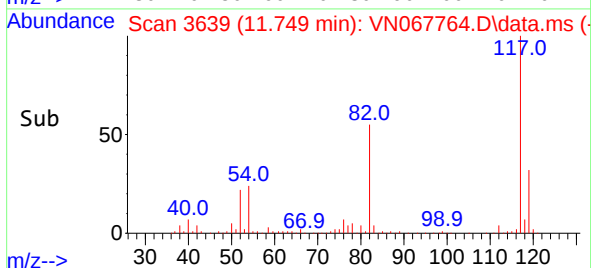
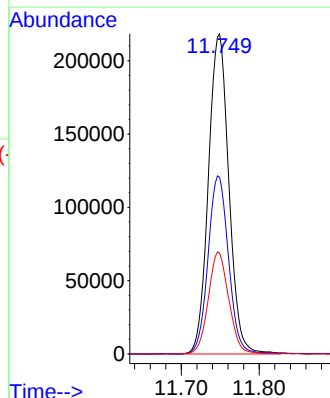
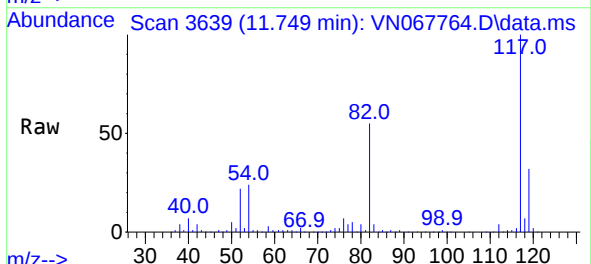
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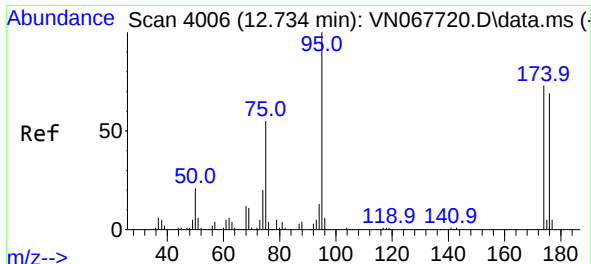
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#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

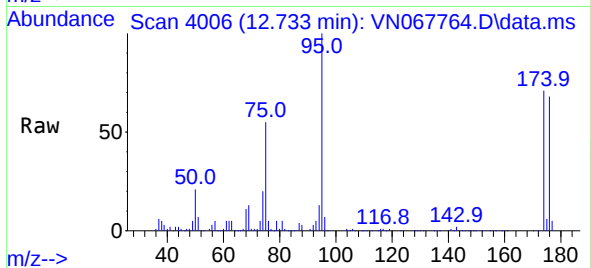
Tgt Ion: 117 Resp: 398760
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 31.8 25.7 38.5





#60
4-Bromofluorobenzene
Concen: 28.096 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

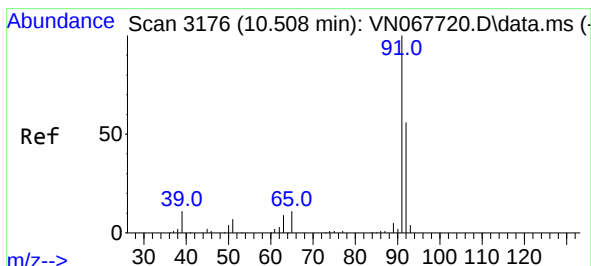
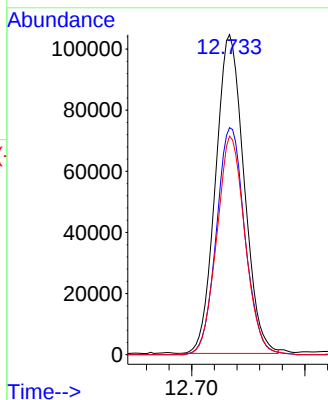
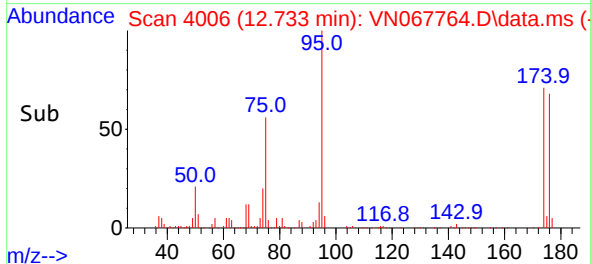
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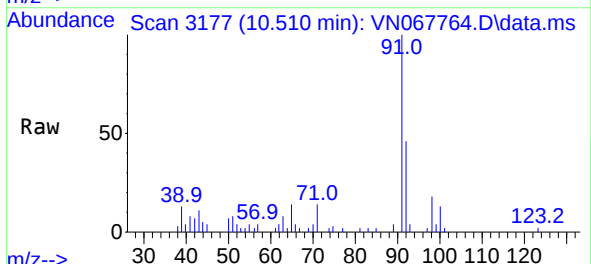
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Ion Ratio Lower Upper
95 100
174 71.2 57.1 85.7
176 68.0 54.6 81.8

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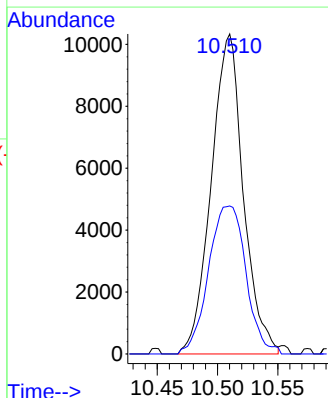
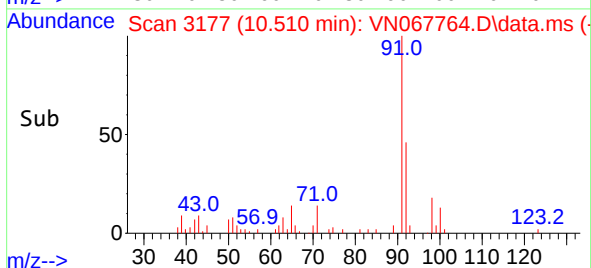
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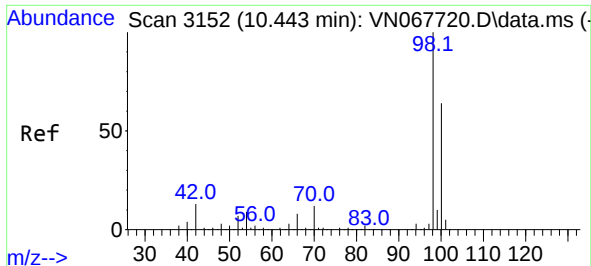


#62
Toluene
Concen: 0.818 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07



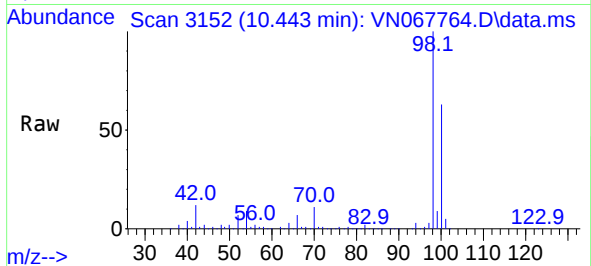
Tgt Ion: 91 Resp: 19177
Ion Ratio Lower Upper
91 100
92 53.4 44.8 67.2





#63
Toluene-d8
Concen: 30.283 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

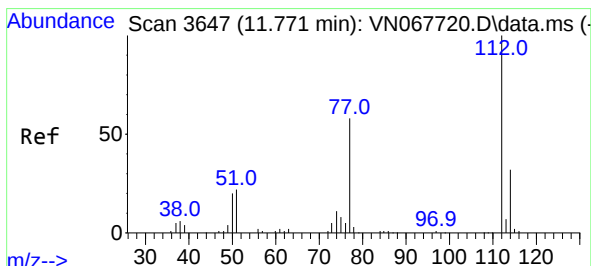
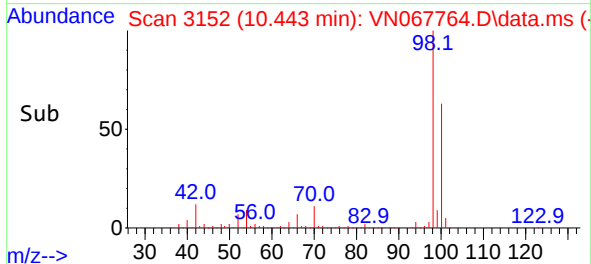
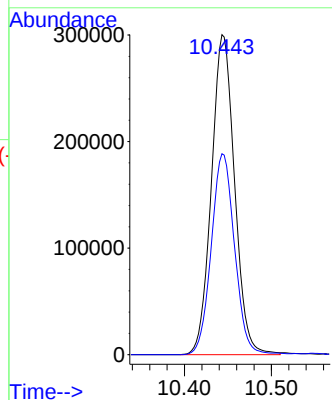
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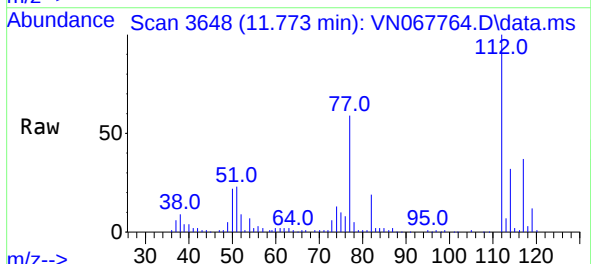
Tgt Ion: 98 Resp: 555421
Ion Ratio Lower Upper
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100 62.9 51.0 76.4

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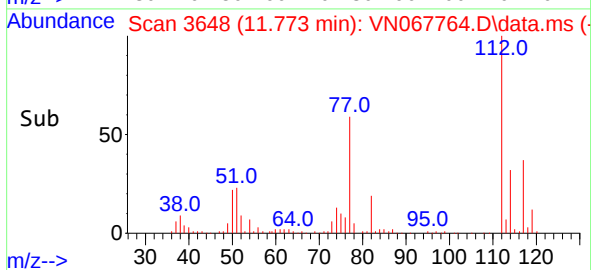
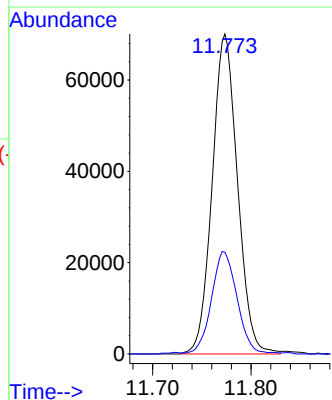
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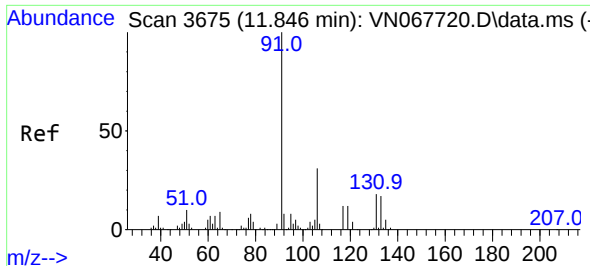


#64
Chlorobenzene
Concen: 8.910 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07



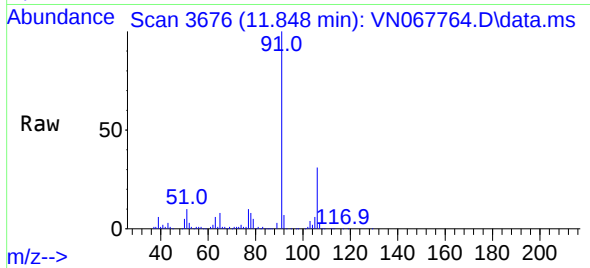
Tgt Ion: 112 Resp: 125167
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8





#66
Ethyl Benzene
Concen: 6.053 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

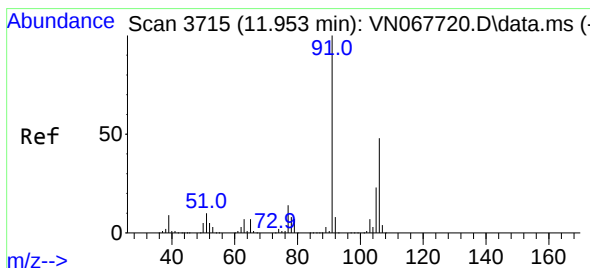
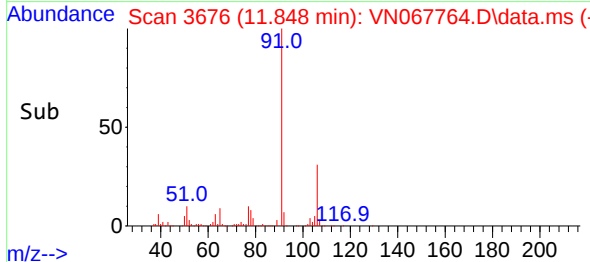
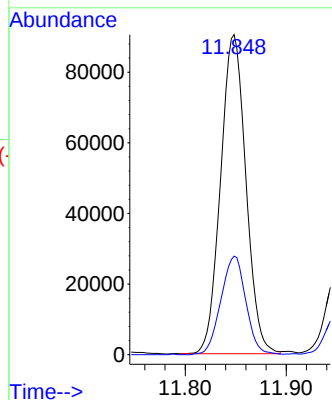
Instrument :
MSVOA_N
ClientSampleId :
210714105-02-VOA



Tgt Ion: 91 Resp: 157090
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0

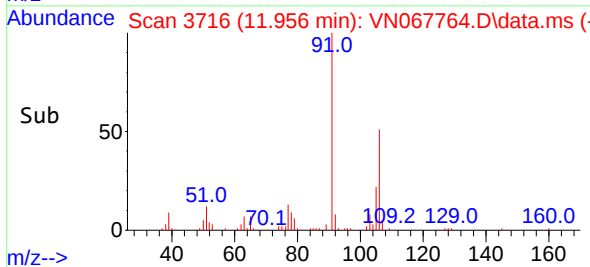
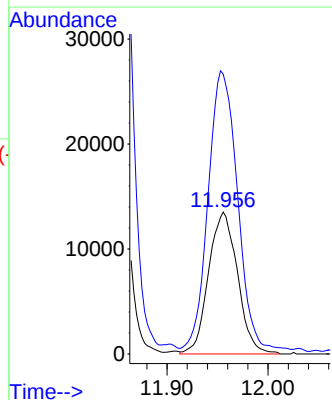
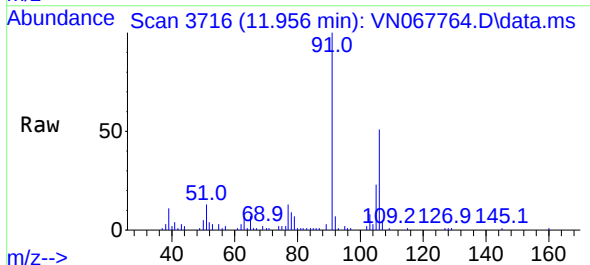
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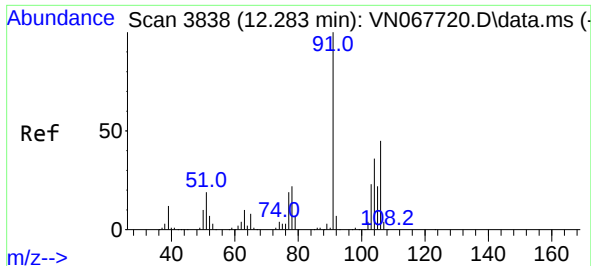
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#67
m/p-Xylenes
Concen: 2.724 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion:106 Resp: 26967
Ion Ratio Lower Upper
106 100
91 196.6 166.6 250.0





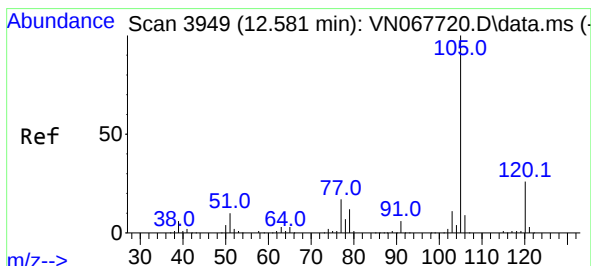
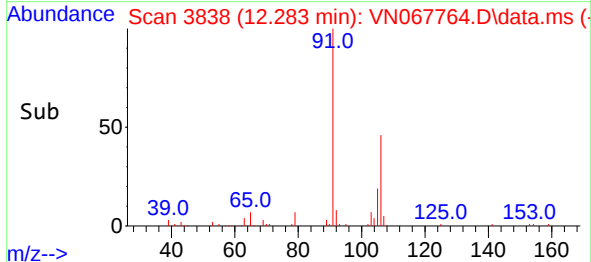
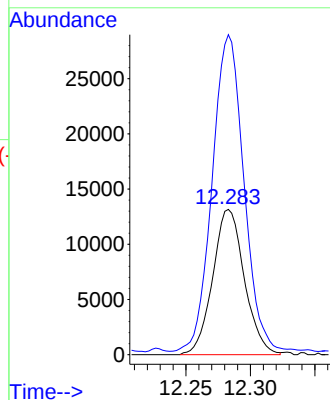
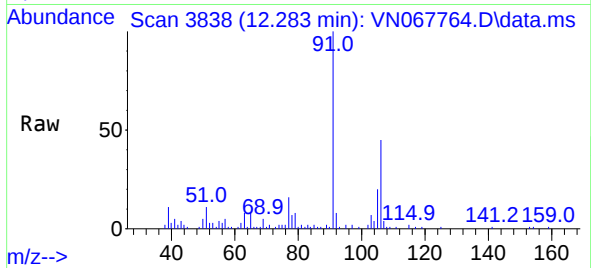
#68
o-Xylene
Concen: 2.298 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

Tgt Ion:106 Resp: 22452
Ion Ratio Lower Upper
106 100
91 218.2 109.6 328.8

Instrument :
MSVOA_N
ClientSampleId :
210714105-02-VOA

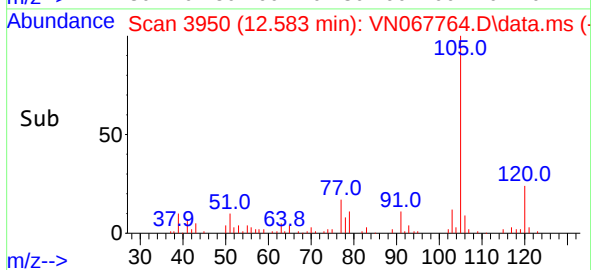
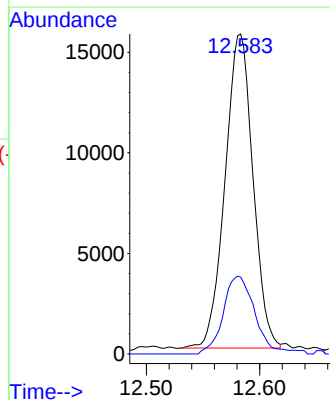
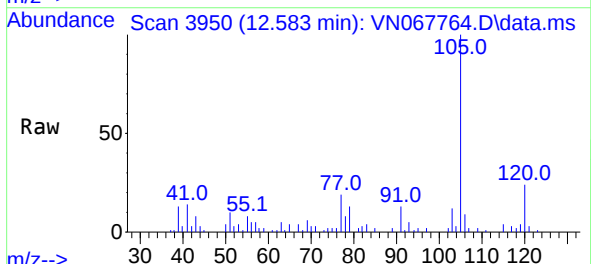
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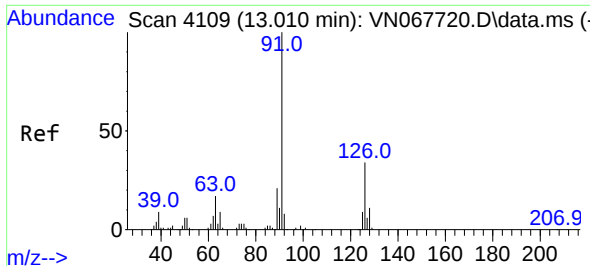
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#70
Isopropylbenzene
Concen: 1.060 ug/l
RT: 12.583 min Scan# 3950
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

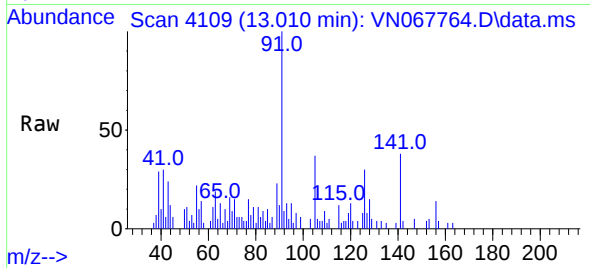
Tgt Ion:105 Resp: 26723
Ion Ratio Lower Upper
105 100
120 27.8 17.9 33.3





#75
2-Chlorotoluene
Concen: 0.535 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

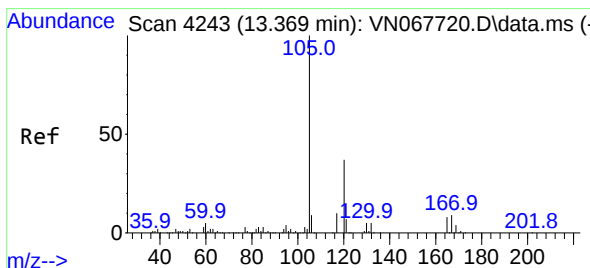
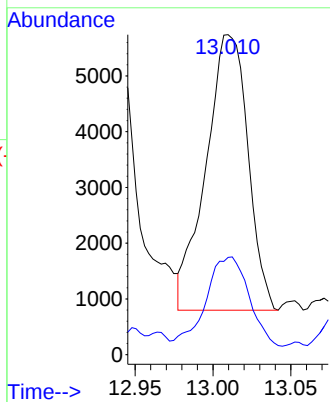
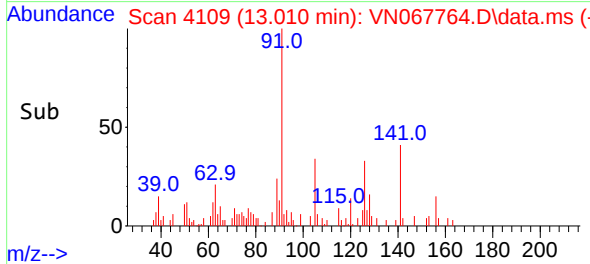
Instrument :
MSVOA_N
ClientSampleId :
210714105-02-VOA



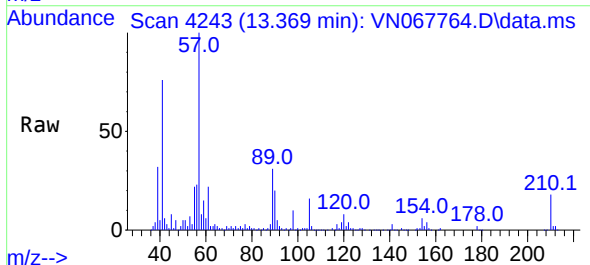
Tgt Ion: 91 Resp: 9272
Ion Ratio Lower Upper
91 100
126 33.2 0.0 66.2

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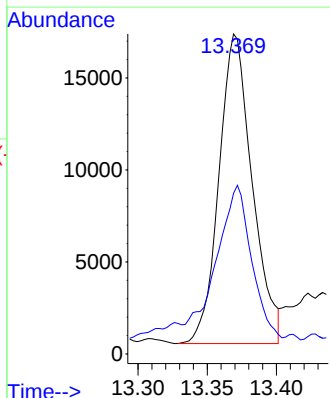
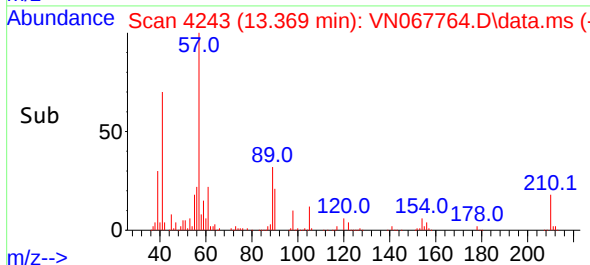
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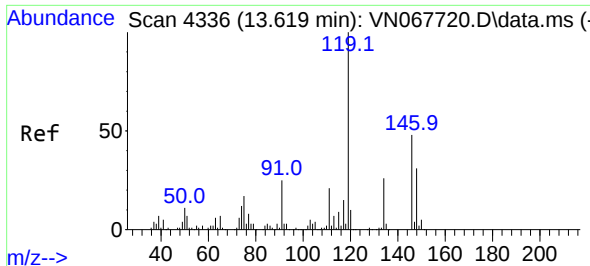


#80
1,2,4-Trimethylbenzene
Concen: 1.365 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07

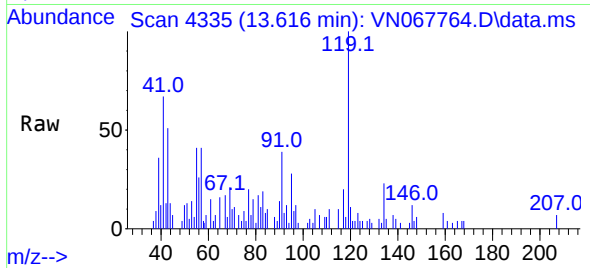


Tgt Ion: 105 Resp: 28136
Ion Ratio Lower Upper
105 100
120 48.0 0.0 0.2#

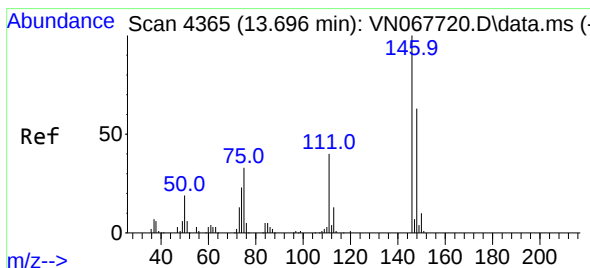
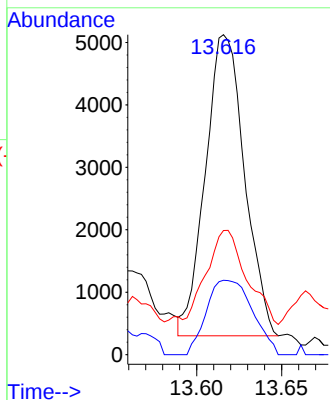
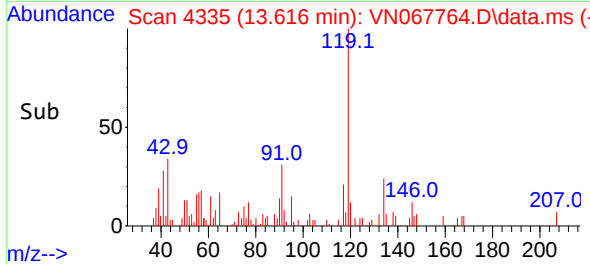




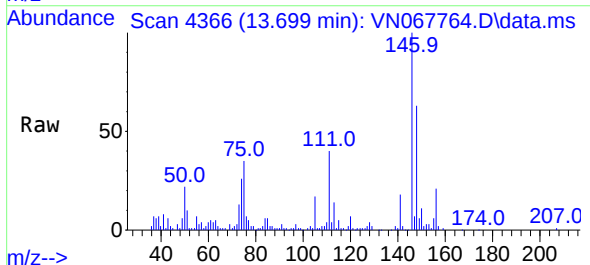
#82
p-Isopropyltoluene
Concen: 0.375 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07



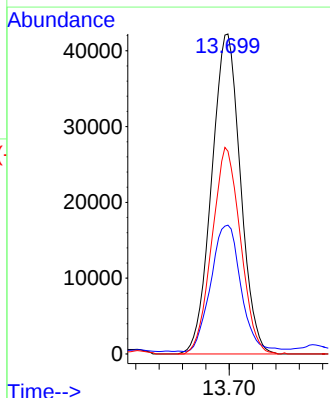
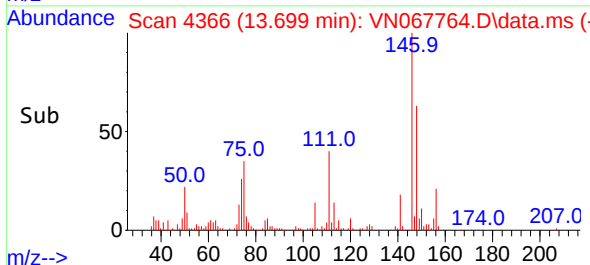
Tgt Ion:119 Resp: 7725
Ion Ratio Lower Upper
119 100
134 29.0 0.0 51.0
91 31.9 0.0 50.6



#84
1,4-Dichlorobenzene
Concen: 6.849 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07



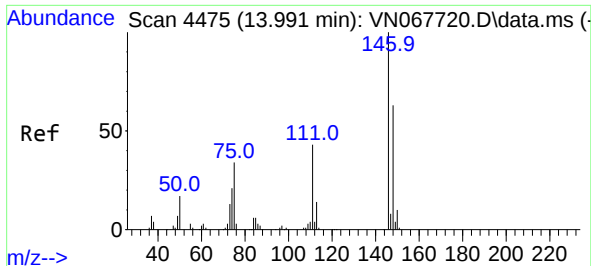
Tgt Ion:146 Resp: 72214
Ion Ratio Lower Upper
146 100
111 41.2 20.0 59.9
148 64.0 31.8 95.3



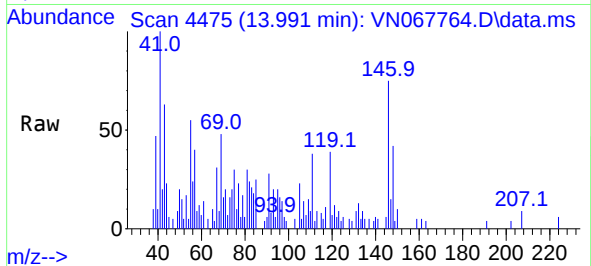
Instrument :
MSVOA_N
ClientSampleId :
210714105-02-VOA

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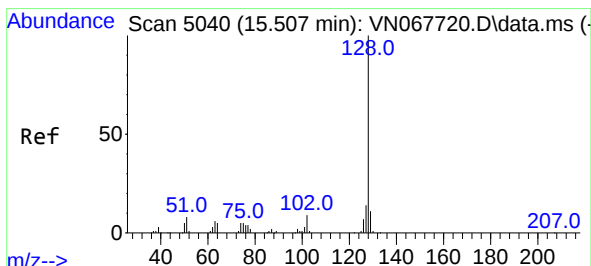
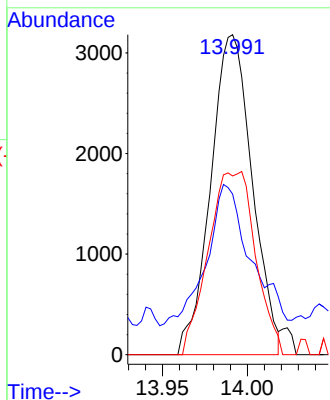
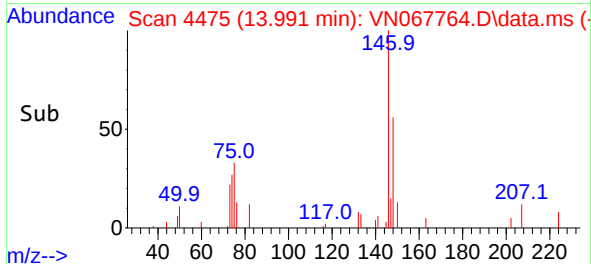
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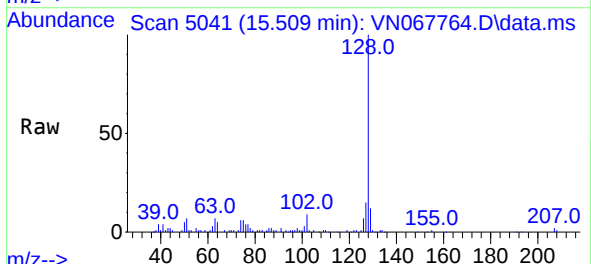
#87
1,2-Dichlorobenzene
Concen: 0.523 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. -0.000 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07



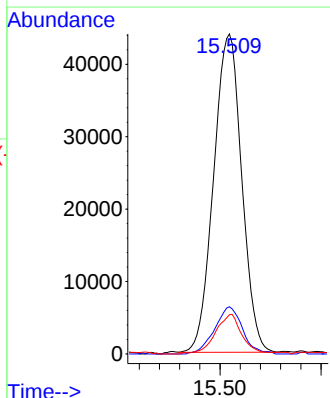
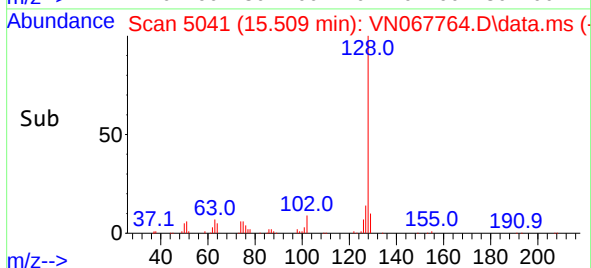
Tgt Ion:146 Resp: 5410
Ion Ratio Lower Upper
146 100
111 36.4 22.0 66.0
148 35.7 31.7 95.1



#91
Naphthalene
Concen: 6.337 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067764.D
Acq: 15 Jul 2021 15:07



Tgt Ion:128 Resp: 84828
Ion Ratio Lower Upper
128 100
127 14.7 10.9 16.3
129 11.1 8.7 13.1



Instrument :
MSVOA_N
ClientSampleId :
210714105-02-VOA

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