

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065510.D
 Acq On : 14 Jan 2021 15:32
 Operator : JC/MD
 Sample : M1143-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 210113010-02

Manual Integrations
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Quant Time: Jan 15 04:14:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	41500	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	217952	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	200100	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	79714	30.75	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	102.50%		
60) 4-Bromofluorobenzene	12.376	95	84346	27.83	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.77%		
63) Toluene-d8	10.061	98	259151	29.59	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.63%		
Target Compounds						Qvalue
8) Diethyl Ether	3.383	74	6921	4.53	ug/l	93
15) Acetone	3.804	58	17131m	55.17	ug/l	
23) tert-Butyl Alcohol	4.782	59	2468699	7888.29	ug/l #	100
24) Methyl tert-Butyl Ether	5.007	73	14998	2.24	ug/l #	83
30) 2-Butanone	6.814	43	94836	75.92	ug/l #	76
34) Benzene	8.003	78	32857	3.45	ug/l #	49
58) 4-Methyl-2-Pentanone	9.955	43	25558	9.62	ug/l #	89
62) Toluene	10.126	91	39325	3.76	ug/l	100
64) Chlorobenzene	11.405	112	5752	0.85	ug/l	90
66) Ethyl Benzene	11.486	91	11215	0.98	ug/l	98
67) m/p-Xylenes	11.592	106	39240	8.78	ug/l	98
68) o-Xylene	11.923	106	24688	5.72	ug/l	99
70) Isopropylbenzene	12.225	105	10238	0.91	ug/l	99
76) 1,3,5-Trimethylbenzene	12.707	105	7998	0.83	ug/l	97
80) 1,2,4-Trimethylbenzene	13.016	105	24577	2.55	ug/l	99
82) p-Isopropyltoluene	13.264	119	30928	3.08	ug/l	98
84) 1,4-Dichlorobenzene	13.338	146	16052	3.07	ug/l	99
91) Naphthalene	15.106	128	2615	9.34	ug/l #	80

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

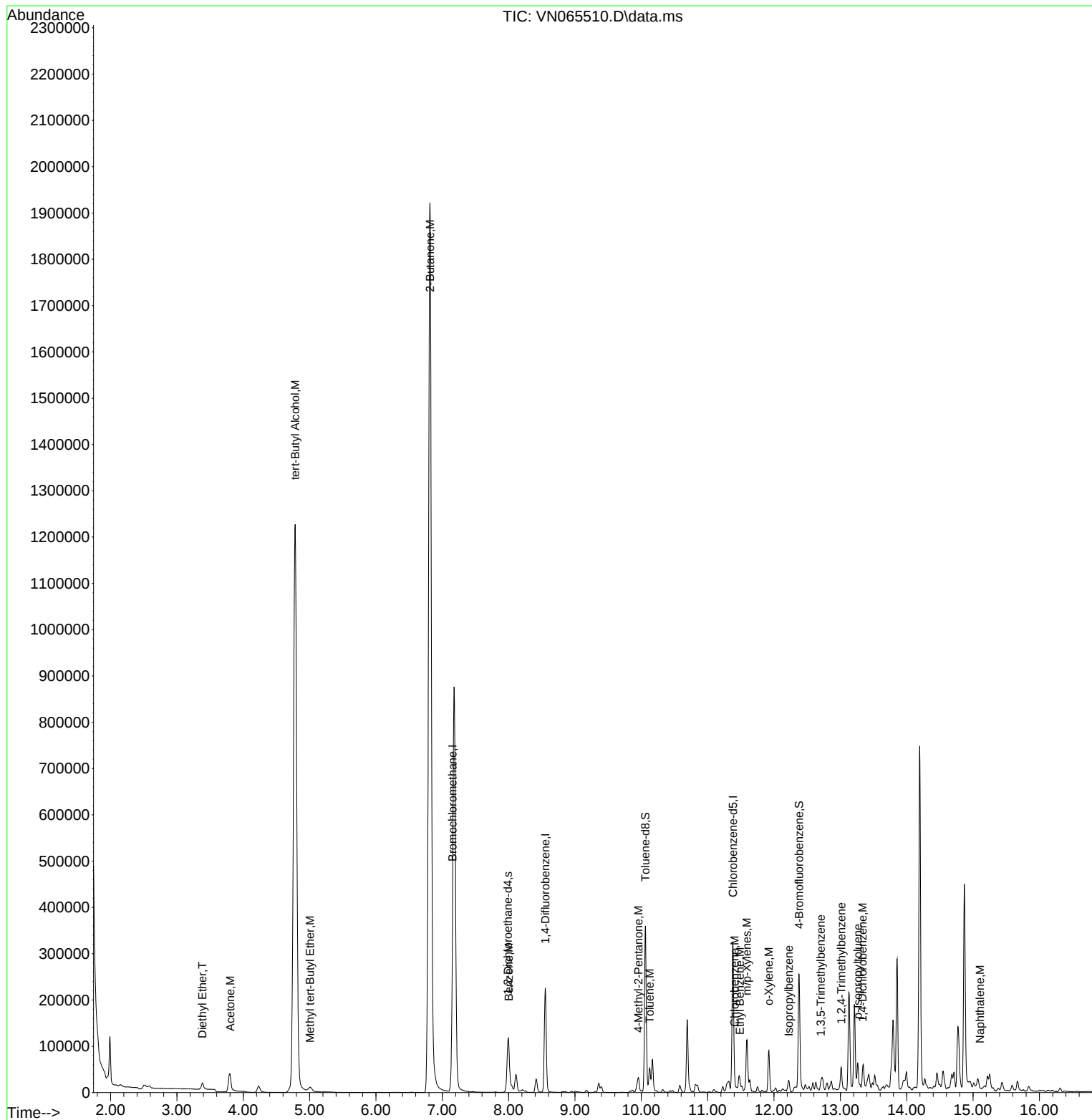
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Data File : VN065510.D
Acq On : 14 Jan 2021 15:32
Operator : JC/MD
Sample : M1143-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

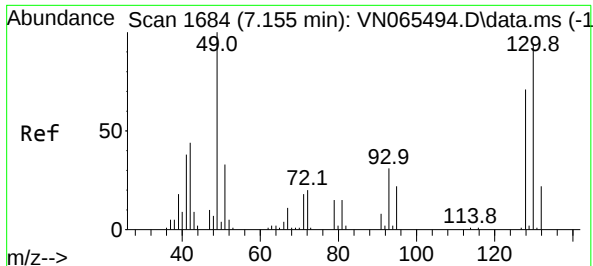
Instrument :
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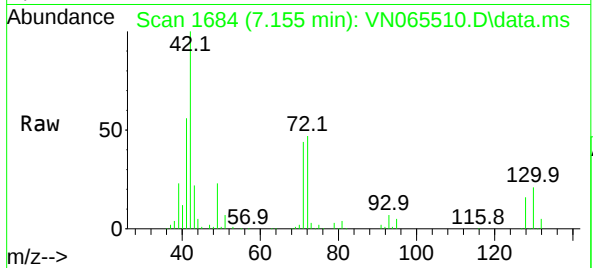
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Quant Time: Jan 15 04:14:33 2021
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jan 14 04:12:08 2021
Response via : Initial Calibration

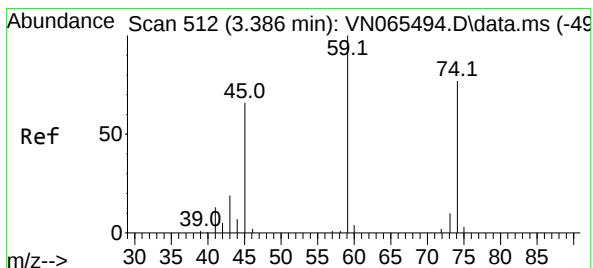
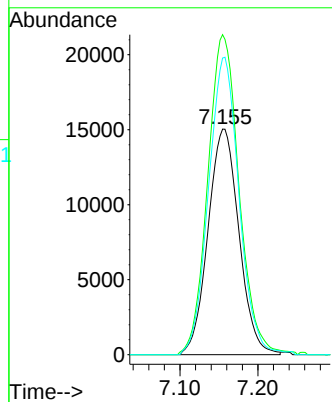
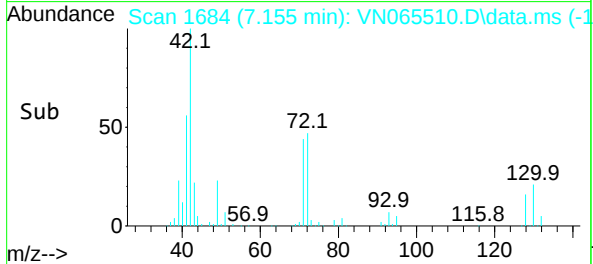




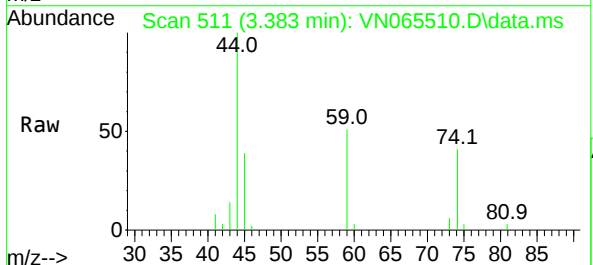
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.155 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



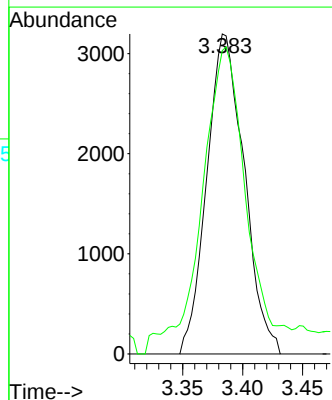
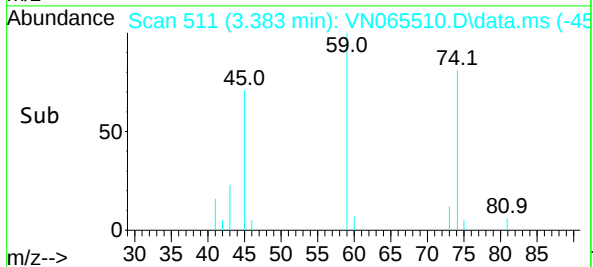
Tgt Ion:128 Resp: 41500
Ion Ratio Lower Upper
128 100
49 143.4 0.0 355.0
130 130.1 0.0 325.5



#8
Diethyl Ether
Concen: 4.53 ug/l
RT: 3.383 min Scan# 511
Delta R.T. -0.003 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



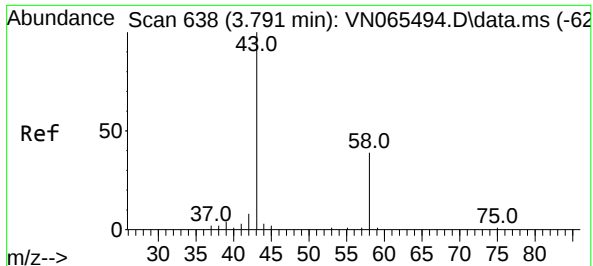
Tgt Ion: 74 Resp: 6921
Ion Ratio Lower Upper
74 100
45 99.9 18.5 166.9



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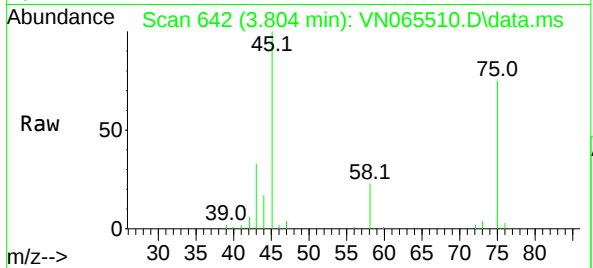
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#15
Acetone
Concen: 55.17 ug/l m
RT: 3.804 min Scan# 642
Delta R.T. 0.013 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

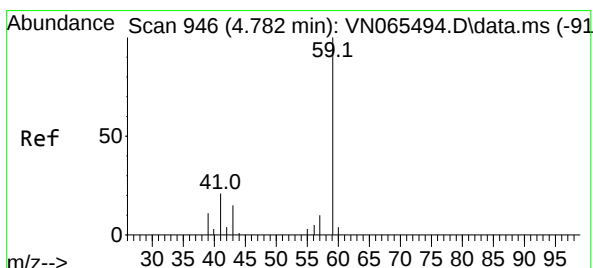
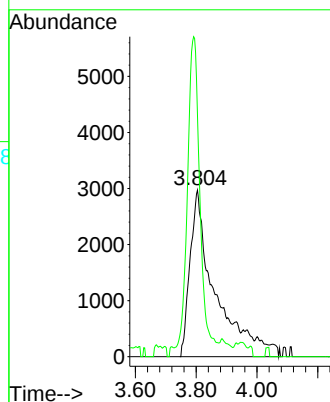
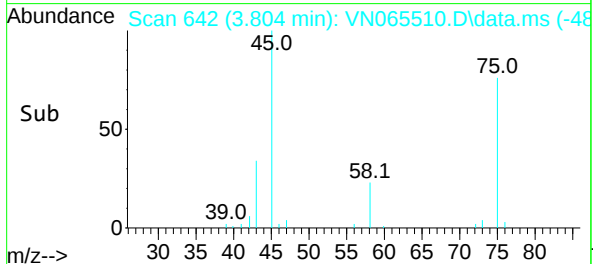
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ClientSampleId :
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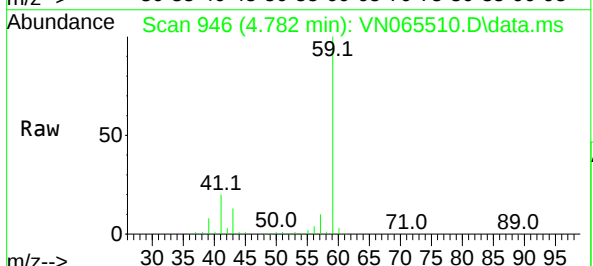
Tgt Ion: 58 Resp: 17131
Ion Ratio Lower Upper
58 100
43 144.9 203.4 305.0#

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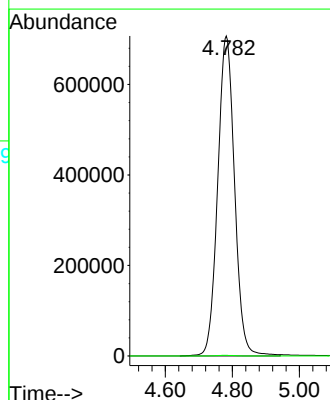
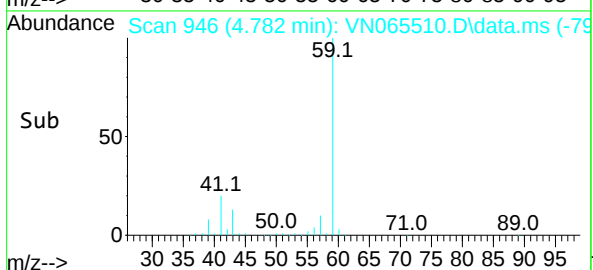
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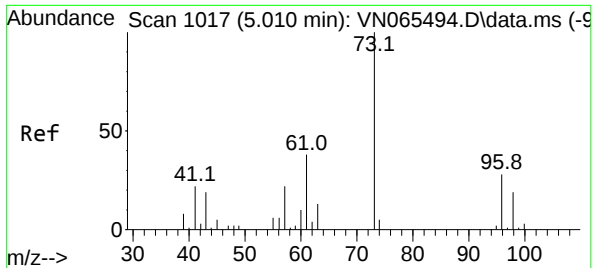


#23
tert-Butyl Alcohol
Concen: 7888.29 ug/l
RT: 4.782 min Scan# 946
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



Tgt Ion: 59 Resp: 2468699
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0#





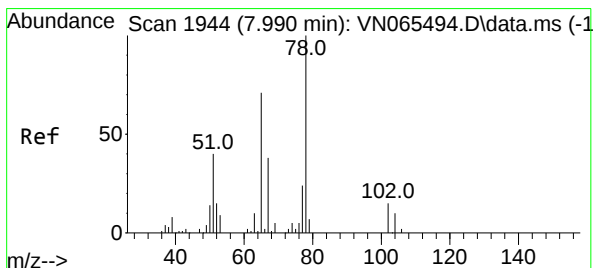
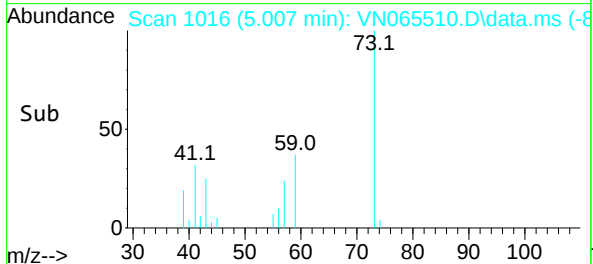
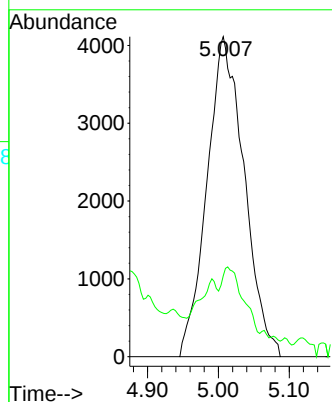
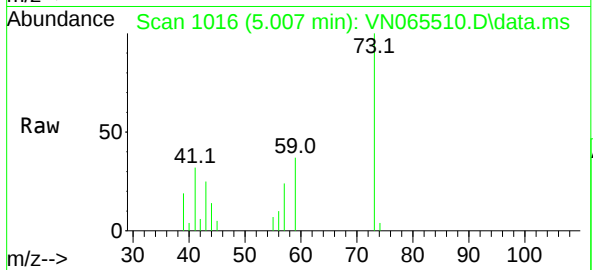
#24
Methyl tert-Butyl Ether
Concen: 2.24 ug/l
RT: 5.007 min Scan# 1016
Delta R.T. -0.003 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

Tgt Ion: 73 Resp: 14998
Ion Ratio Lower Upper
73 100
43 11.5 15.4 23.2#

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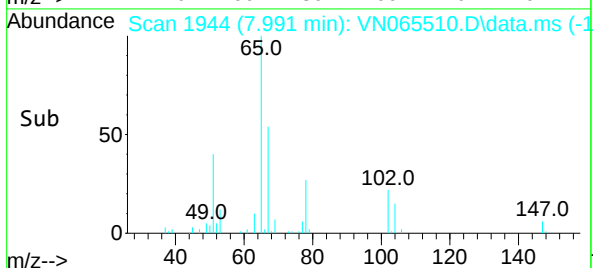
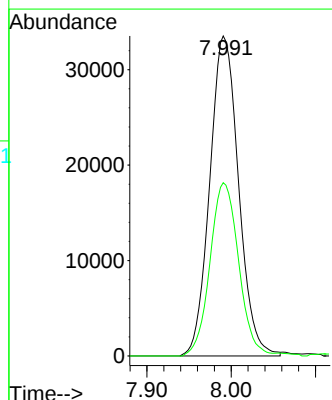
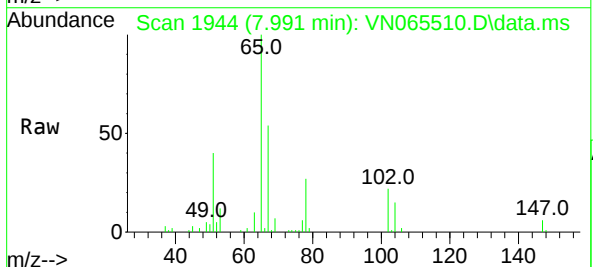
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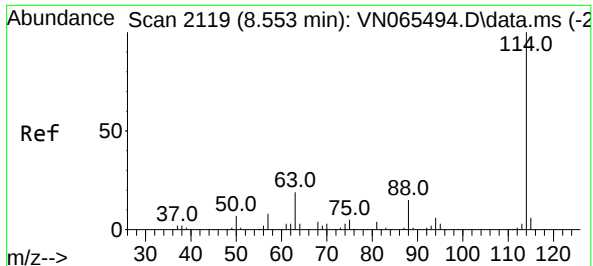
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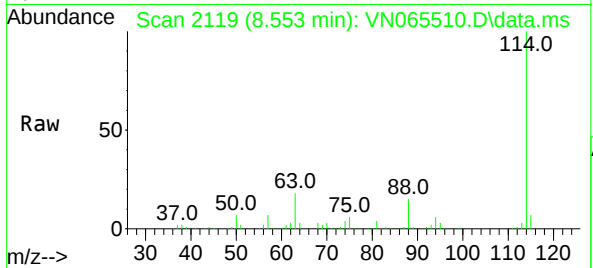
#27
1,2-Dichloroethane-d4
Concen: 30.75 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VN065510.D
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Tgt Ion: 65 Resp: 79714
Ion Ratio Lower Upper
65 100
67 53.7 42.8 64.2

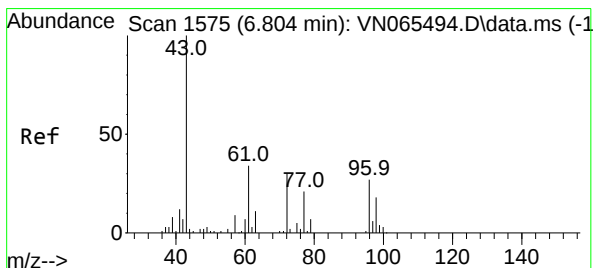
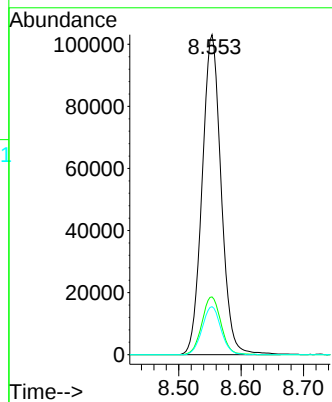
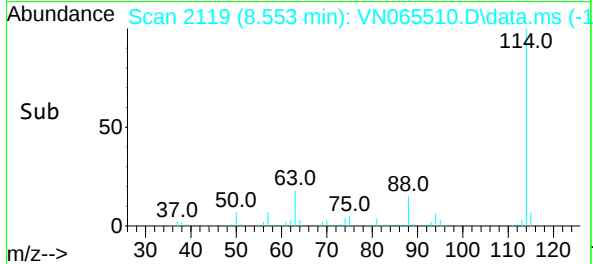




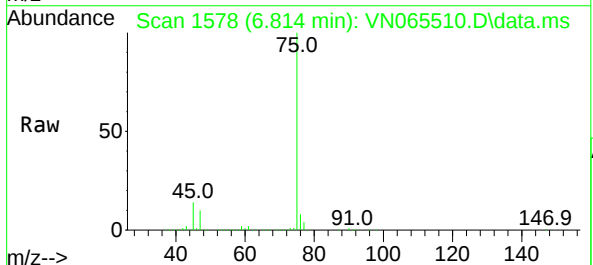
#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



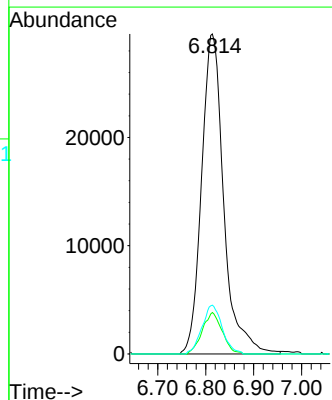
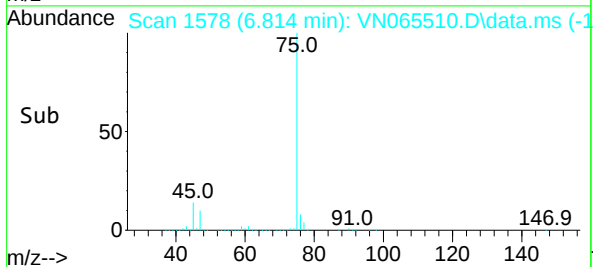
Tgt Ion: 114 Resp: 217952
Ion Ratio Lower Upper
114 100
63 18.2 14.7 22.1
88 14.9 11.7 17.5



#30
2-Butanone
Concen: 75.92 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.010 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



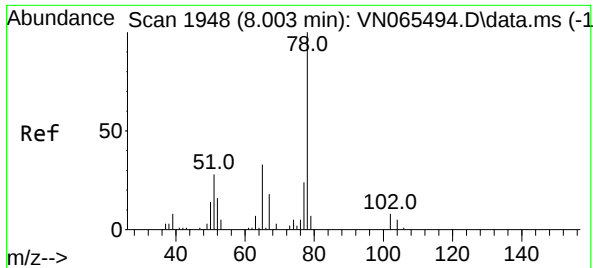
Tgt Ion: 43 Resp: 94836
Ion Ratio Lower Upper
43 100
57 11.7 7.0 10.4#
72 13.9 23.6 35.4#



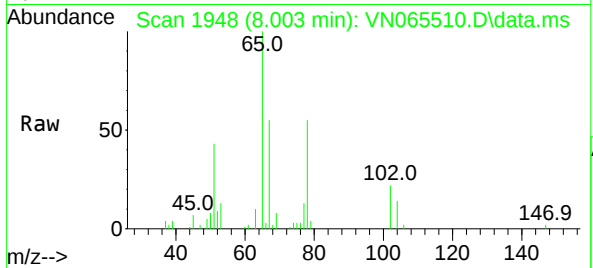
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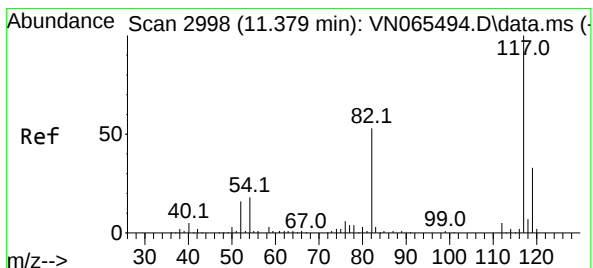
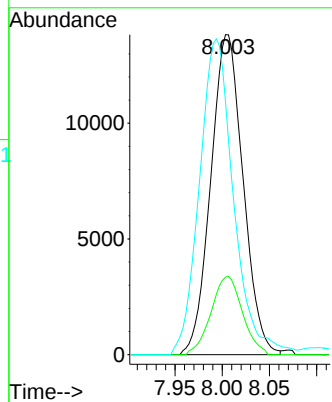
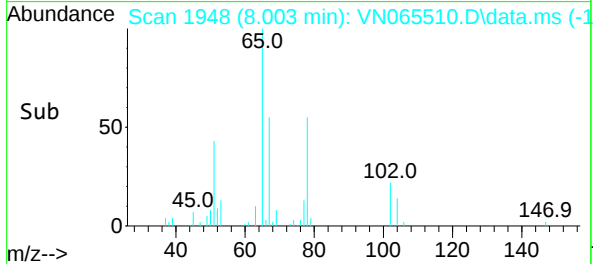
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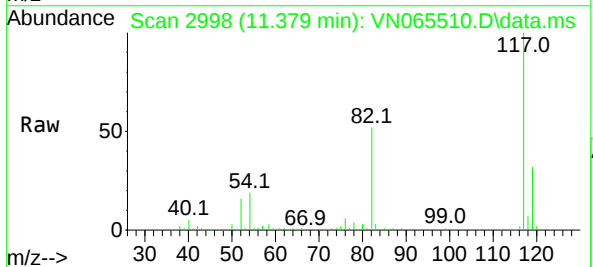
#34
Benzene
Concen: 3.45 ug/l
RT: 8.003 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



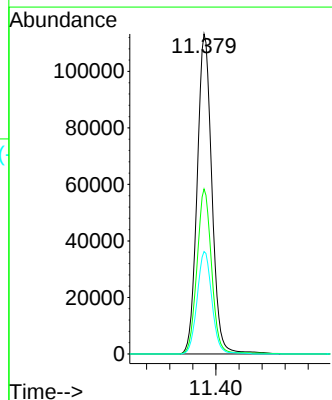
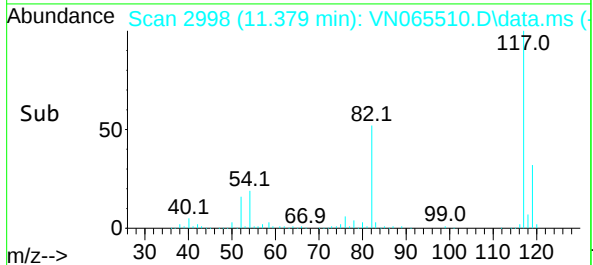
Tgt Ion: 78 Resp: 32857
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6
51 76.5 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



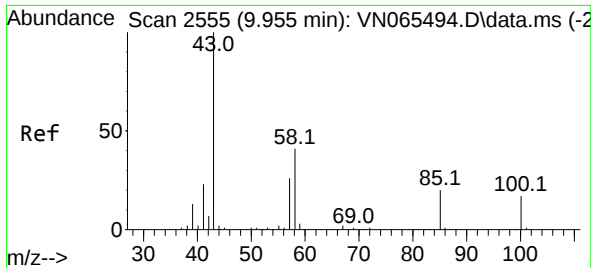
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Ion Ratio Lower Upper
117 100
82 50.6 41.3 61.9
119 32.1 25.7 38.5



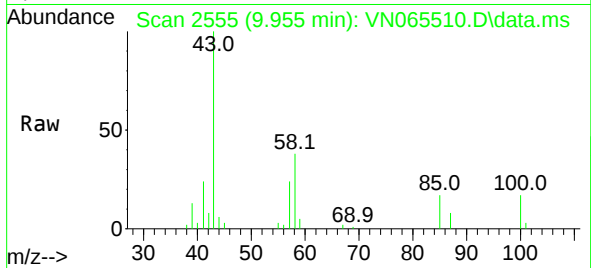
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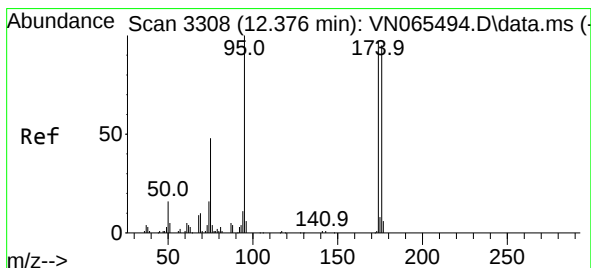
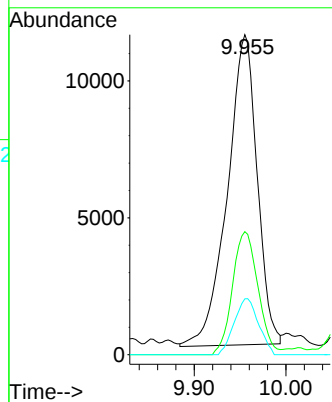
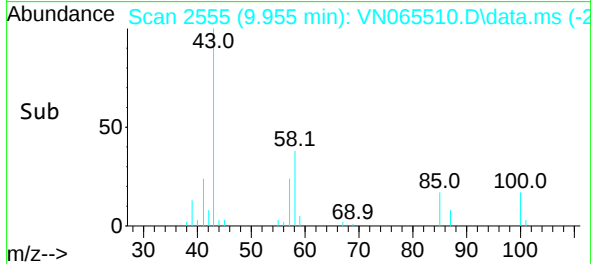
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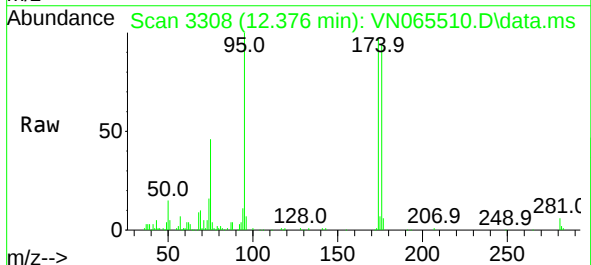
#58
4-Methyl-2-Pentanone
Concen: 9.62 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



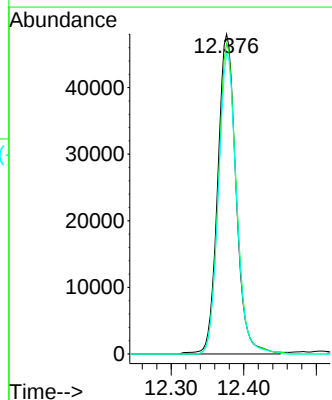
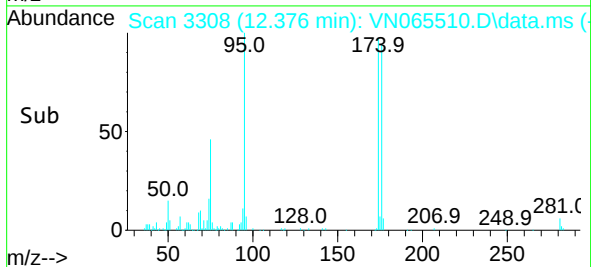
Tgt Ion: 43 Resp: 25558
Ion Ratio Lower Upper
43 100
58 33.9 32.7 49.1
85 14.7 16.0 24.0#



#60
4-Bromofluorobenzene
Concen: 27.83 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



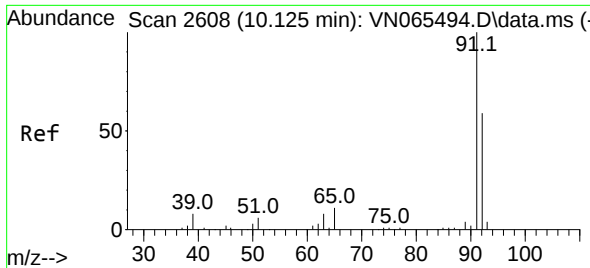
Tgt Ion: 95 Resp: 84346
Ion Ratio Lower Upper
95 100
174 96.1 77.0 115.6
176 92.4 75.8 113.6



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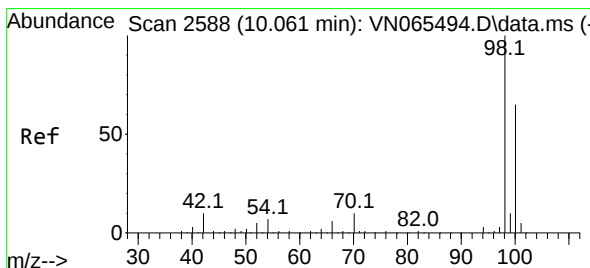
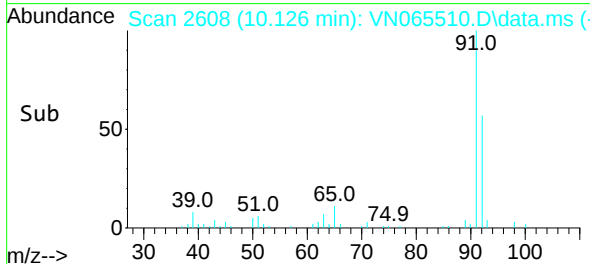
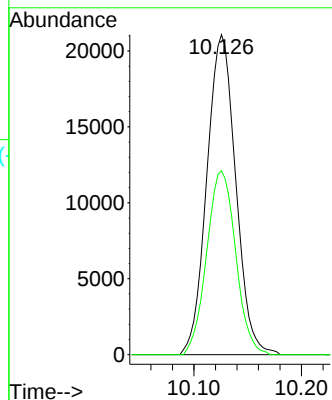
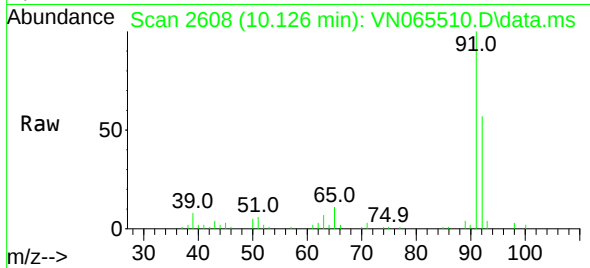
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Toluene
Concen: 3.76 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

Tgt Ion: 91 Resp: 39325
Ion Ratio Lower Upper
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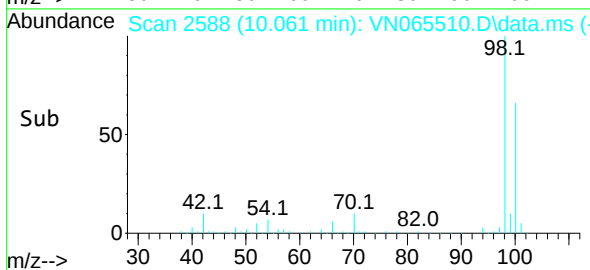
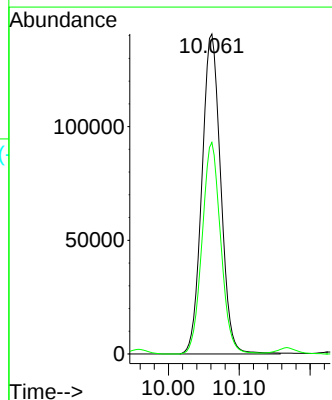
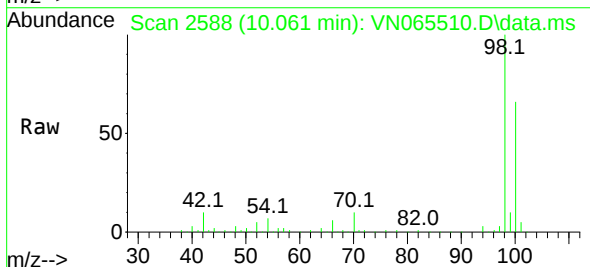
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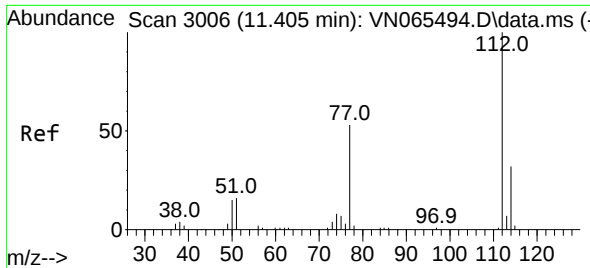
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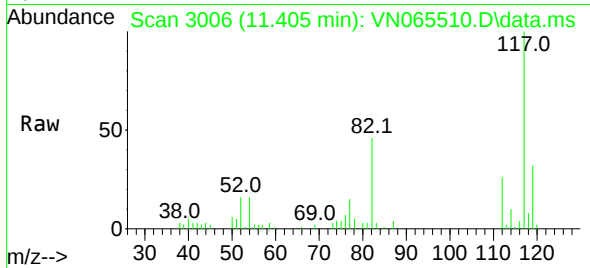
#63
Toluene-d8
Concen: 29.59 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

Tgt Ion: 98 Resp: 259151
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

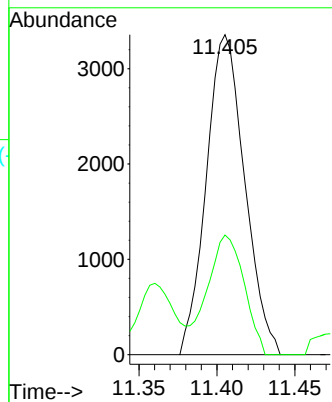
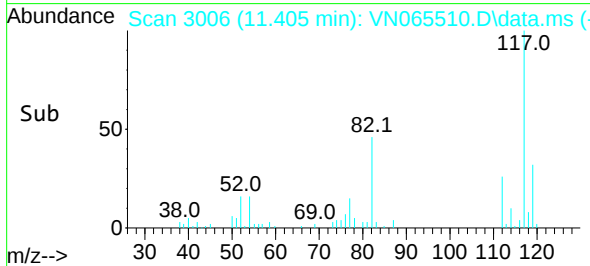




#64
Chlorobenzene
Concen: 0.85 ug/l
RT: 11.405 min Scan# 3006
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



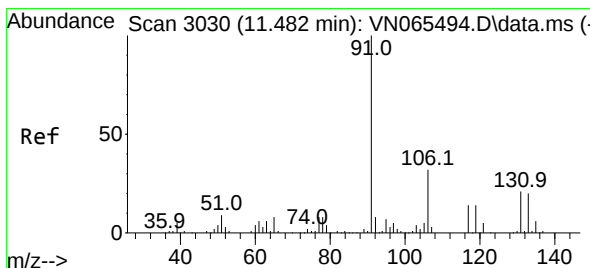
Tgt Ion: 112 Resp: 5752
Ion Ratio Lower Upper
112 100
114 37.4 25.5 38.3



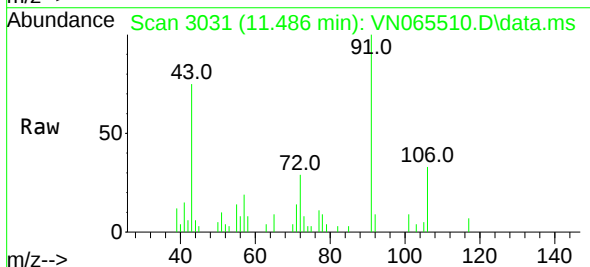
Instrument :
MSVOA_N
ClientSampleId :
210113010-02

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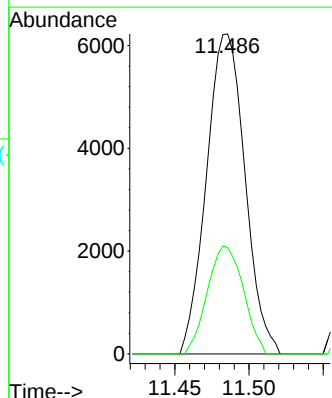
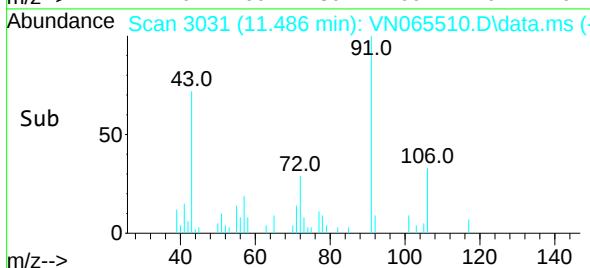
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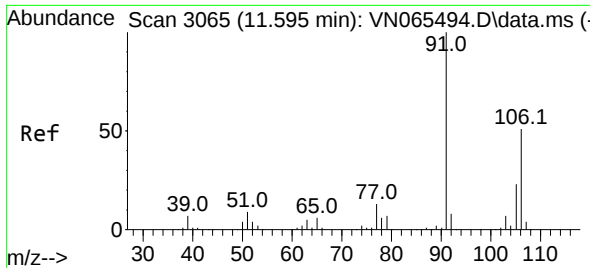


#66
Ethyl Benzene
Concen: 0.98 ug/l
RT: 11.486 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



Tgt Ion: 91 Resp: 11215
Ion Ratio Lower Upper
91 100
106 33.3 25.5 38.3





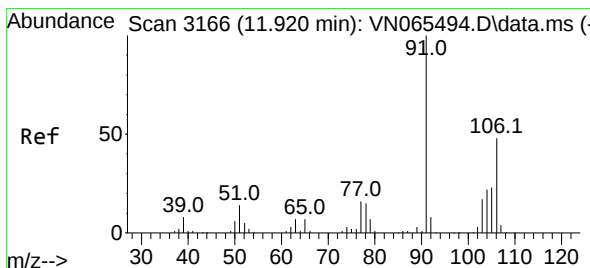
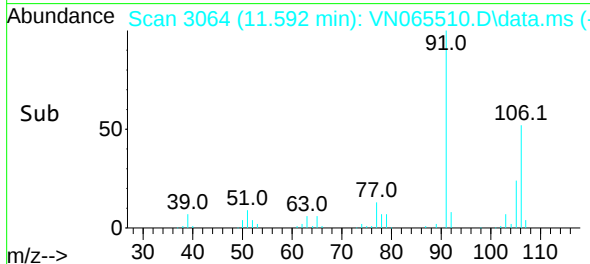
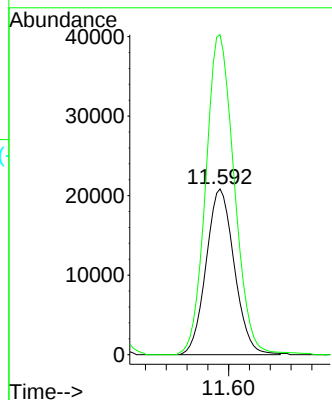
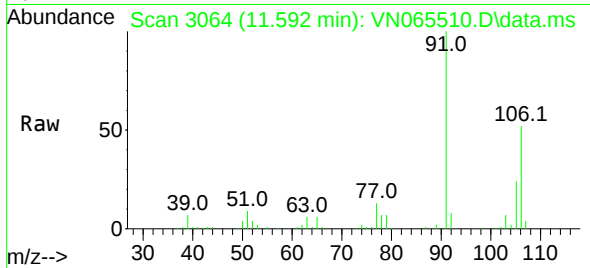
#67
m/p-Xylenes
Concen: 8.78 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.003 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

Tgt Ion:106 Resp: 39240
Ion Ratio Lower Upper
106 100
91 196.0 159.0 238.6

Instrument :
MSVOA_N
ClientSampleId :
210113010-02

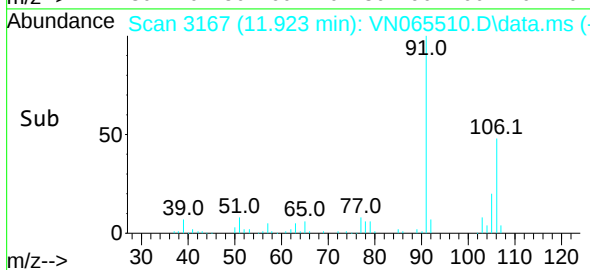
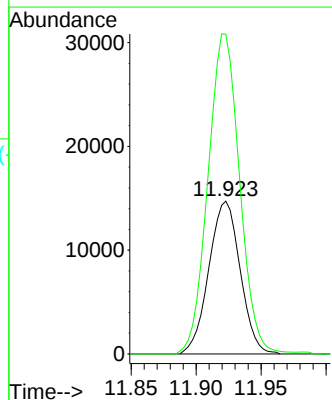
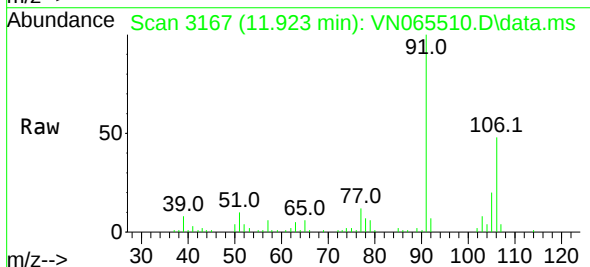
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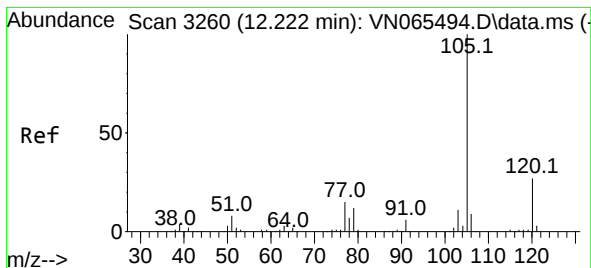
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#68
o-Xylene
Concen: 5.72 ug/l
RT: 11.923 min Scan# 3167
Delta R.T. 0.003 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

Tgt Ion:106 Resp: 24688
Ion Ratio Lower Upper
106 100
91 211.4 104.7 313.9





#70

Isopropylbenzene

Concen: 0.91 ug/l

RT: 12.225 min Scan# 3261

Delta R.T. 0.003 min

Lab File: VN065510.D

Acq: 14 Jan 2021 15:32

Tgt Ion:105 Resp: 10238

Ion Ratio Lower Upper

105 100

120 28.2 19.3 35.9

Instrument :

MSVOA_N

ClientSampleId :

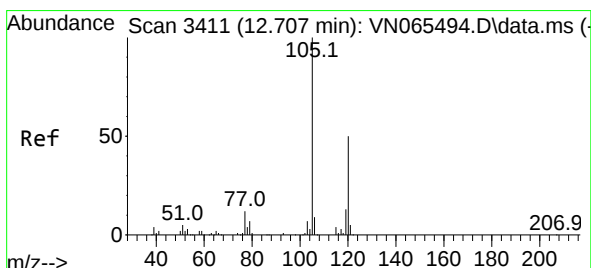
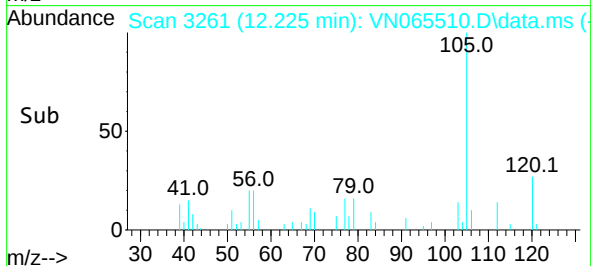
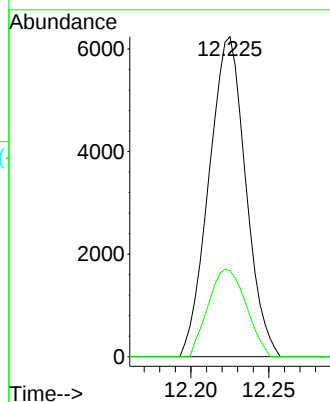
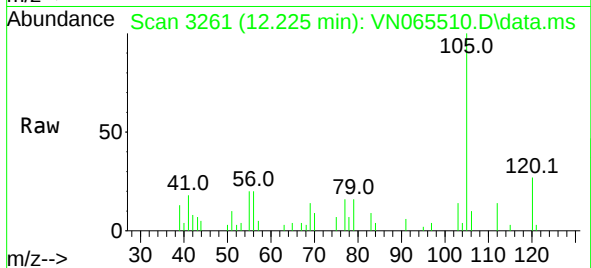
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#76

1,3,5-Trimethylbenzene

Concen: 0.83 ug/l

RT: 12.707 min Scan# 3411

Delta R.T. 0.000 min

Lab File: VN065510.D

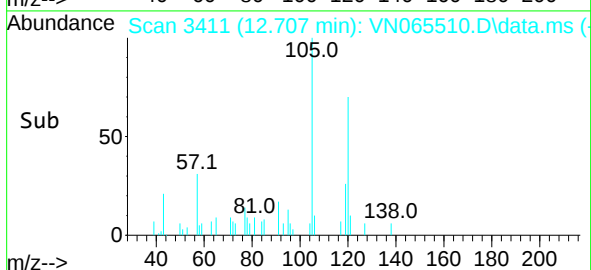
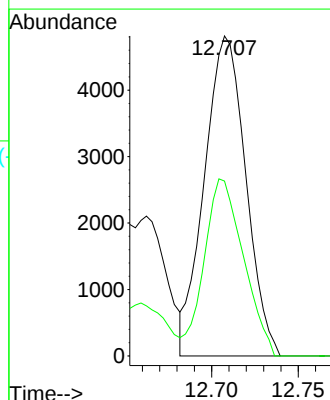
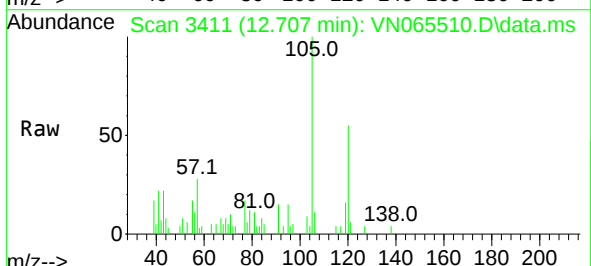
Acq: 14 Jan 2021 15:32

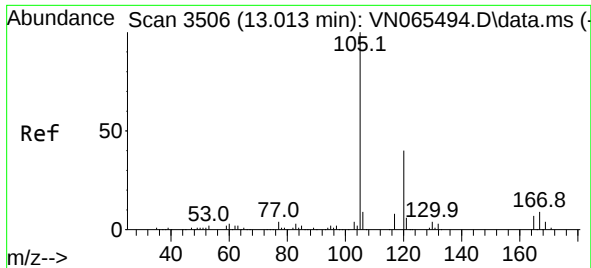
Tgt Ion:105 Resp: 7998

Ion Ratio Lower Upper

105 100

120 52.6 0.0 101.6





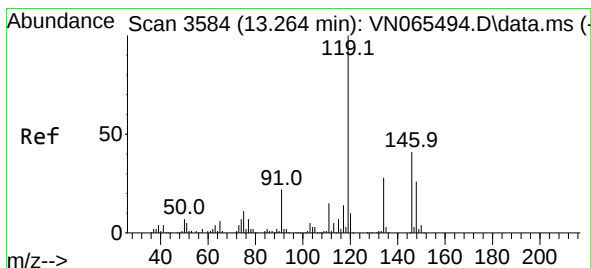
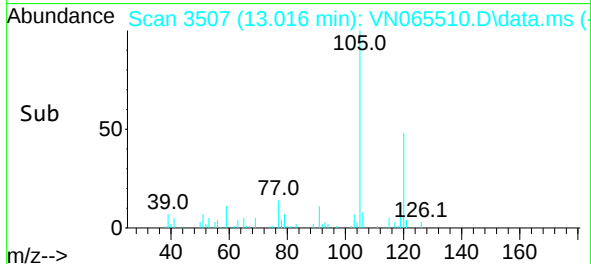
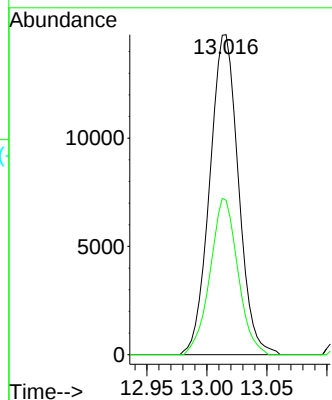
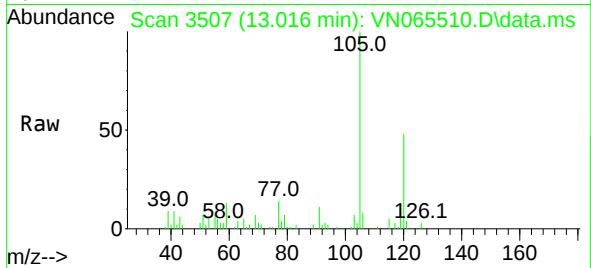
#80
1,2,4-Trimethylbenzene
Concen: 2.55 ug/l
RT: 13.016 min Scan# 3507
Delta R.T. 0.003 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

Tgt Ion:105 Resp: 24577
Ion Ratio Lower Upper
105 100
120 47.2 0.0 93.6

Instrument :
MSVOA_N
ClientSampleId :
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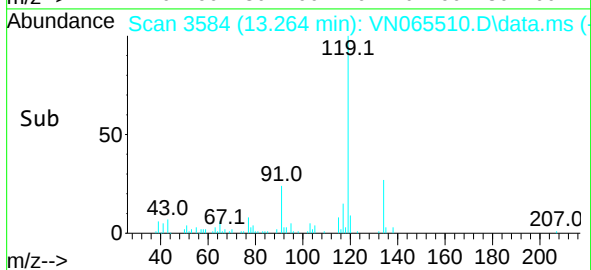
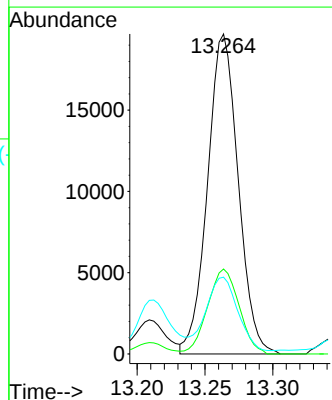
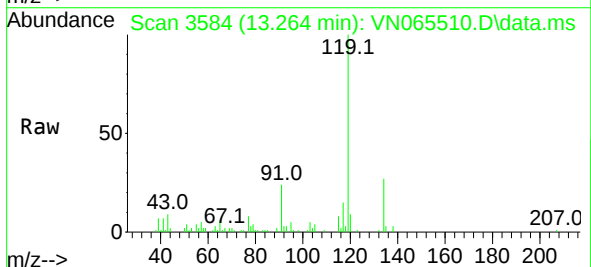
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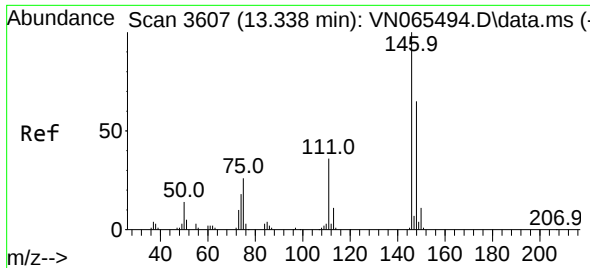
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#82
p-Isopropyltoluene
Concen: 3.08 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

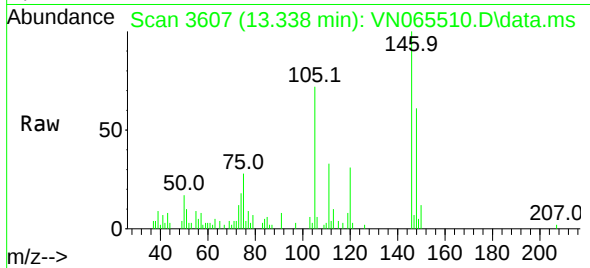
Tgt Ion:119 Resp: 30928
Ion Ratio Lower Upper
119 100
134 27.3 0.0 54.8
91 23.9 0.0 44.8





#84
1,4-Dichlorobenzene
Concen: 3.07 ug/l
RT: 13.338 min Scan# 3607
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32

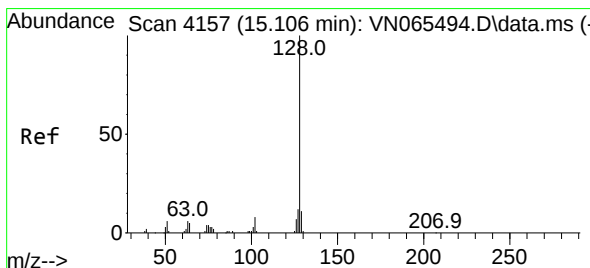
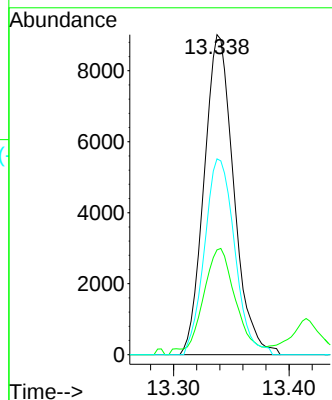
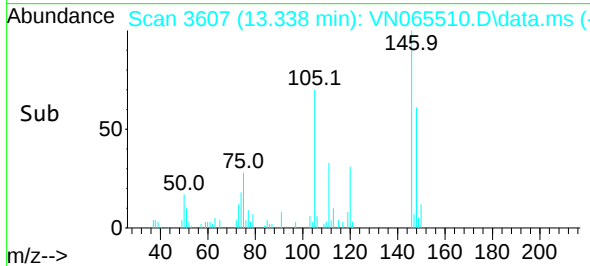
Instrument :
MSVOA_N
ClientSampleId :
210113010-02



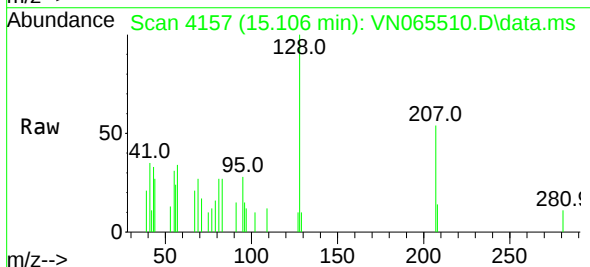
Tgt Ion:	146	Resp:	16052
Ion Ratio	Lower	Upper	
146	100		
111	35.6	17.9	53.7
148	62.4	31.8	95.4

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#91
Naphthalene
Concen: 9.34 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.000 min
Lab File: VN065510.D
Acq: 14 Jan 2021 15:32



Tgt Ion:	128	Resp:	2615
Ion Ratio	Lower	Upper	
128	100		
127	4.8	10.1	15.1#
129	3.3	8.6	12.8#

