

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021622\
 Data File : VY007512.D
 Acq On : 16 Feb 2022 16:16
 Operator : SY/MD
 Sample : N1465-04
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A5-4-7.5

Quant Time: Feb 17 02:57:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

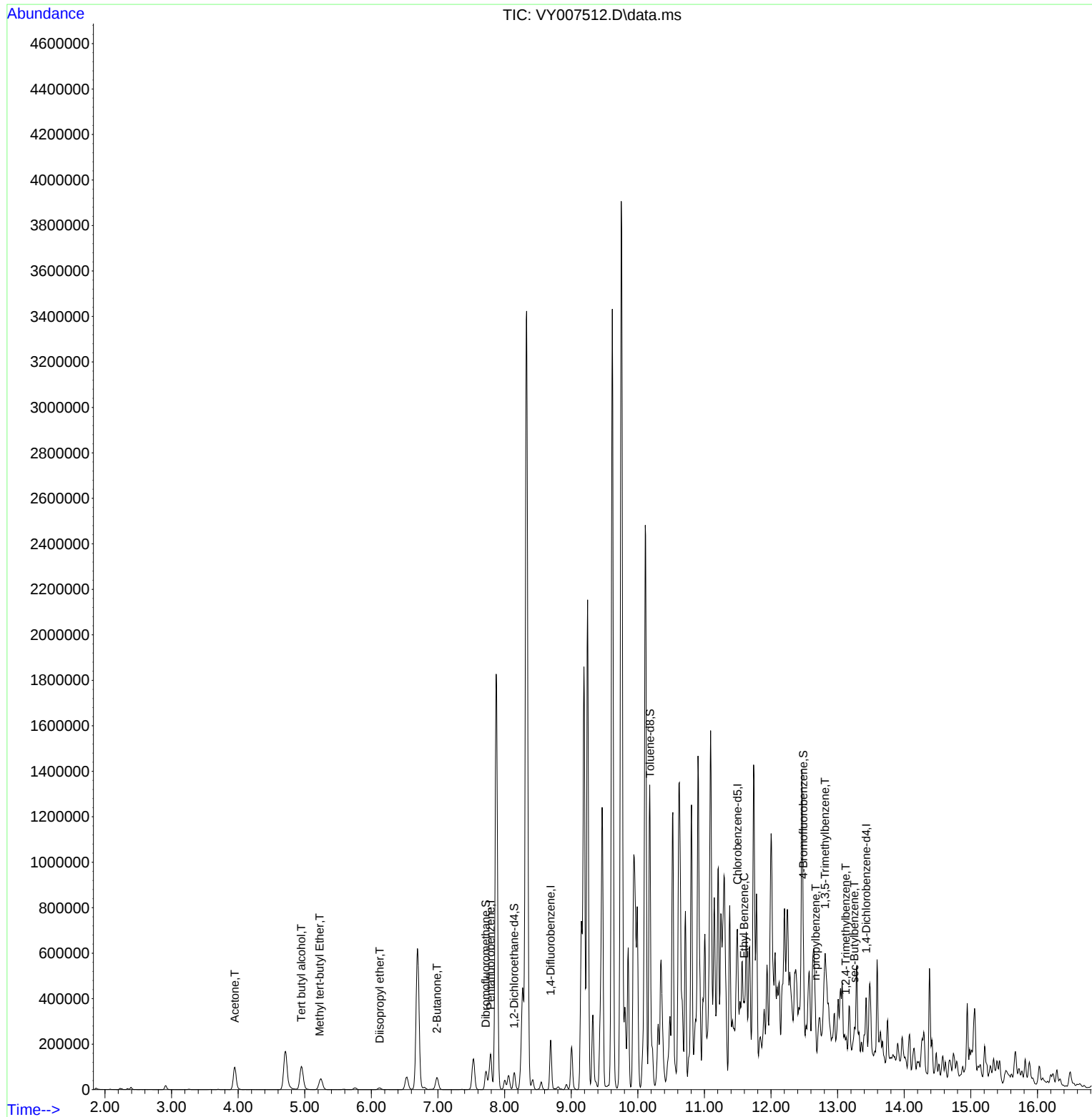
Internal Standards						
1) Pentafluorobenzene	7.789	168	105116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	178839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	147117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58814	50.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.360%	
35) Dibromofluoromethane	7.716	113	58417	51.797	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.600%	
50) Toluene-d8	10.185	98	231588	54.065	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.120%	
62) 4-Bromofluorobenzene	12.483	95	96709	66.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.160%	
Target Compounds						
11) Tert butyl alcohol	4.948	59	224920	2477.559	ug/l #	Qvalue 93
16) Acetone	3.948	43	108139	351.210	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	30452	9.620	ug/l #	1
22) Diisopropyl ether	6.124	45	9497	2.816	ug/l #	84
25) 2-Butanone	6.984	43	42266	110.867	ug/l	91
67) Ethyl Benzene	11.599	91	20104	3.334	ug/l #	84
78) n-propylbenzene	12.672	91	16952	2.406	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	5194	1.071	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	11026	2.345	ug/l	99
85) sec-Butylbenzene	13.251	105	24599	3.937	ug/l #	71

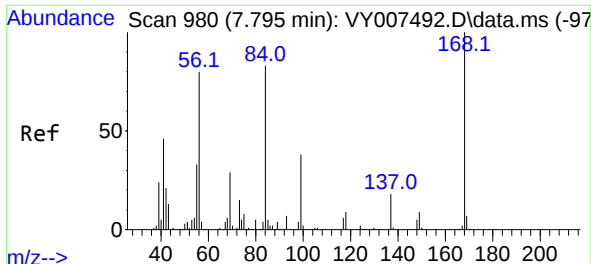
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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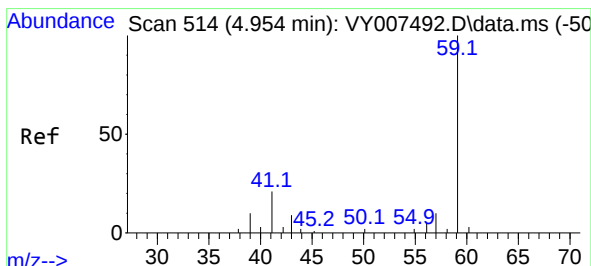
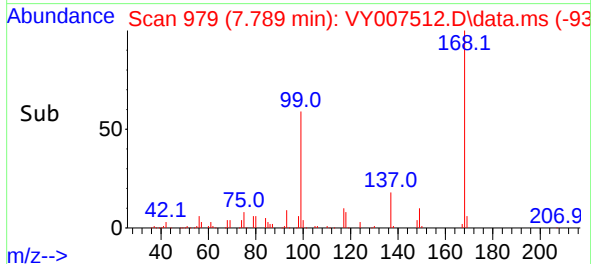
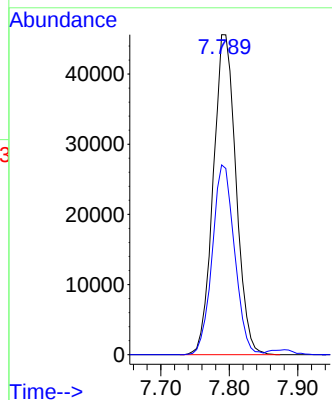
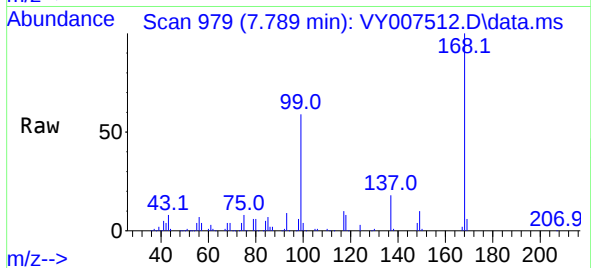




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

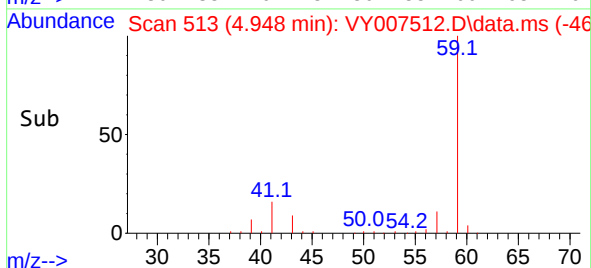
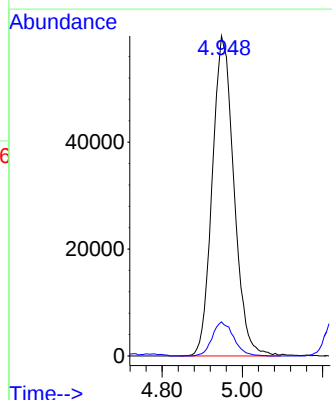
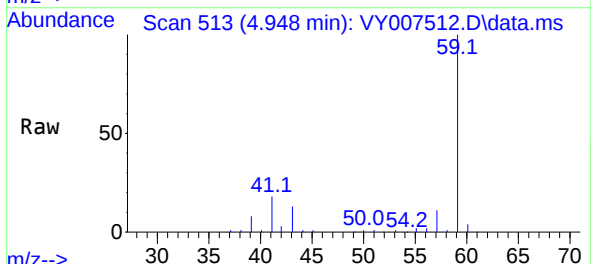
Instrument :
MSVOA_Y
ClientSampleId :
A5-4-7.5

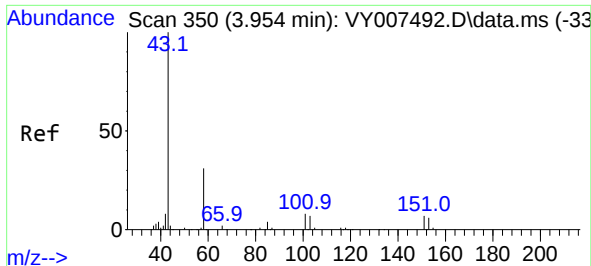
Tgt Ion:168 Resp: 105116
Ion Ratio Lower Upper
168 100
99 59.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 2477.559 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion: 59 Resp: 224920
Ion Ratio Lower Upper
59 100
57 10.5 6.4 9.6#

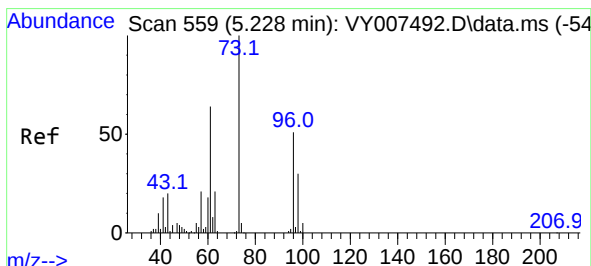
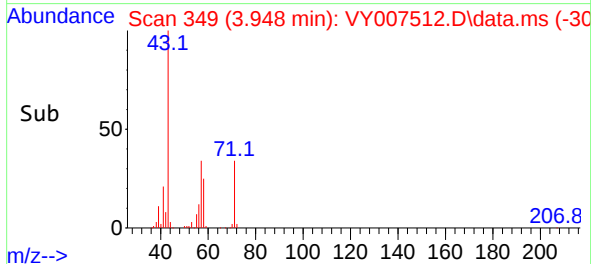
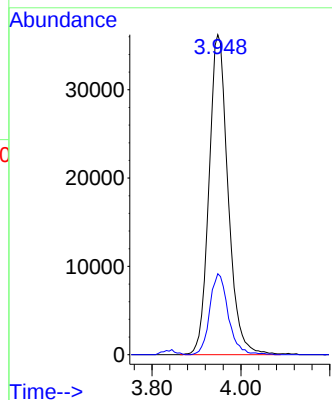
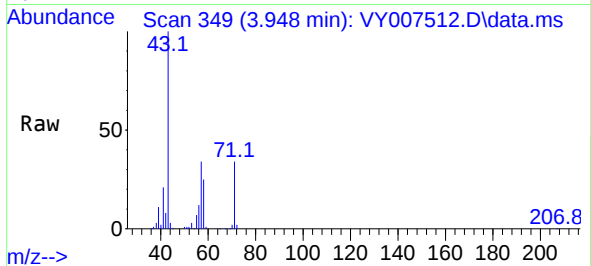




#16
Acetone
Concen: 351.210 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

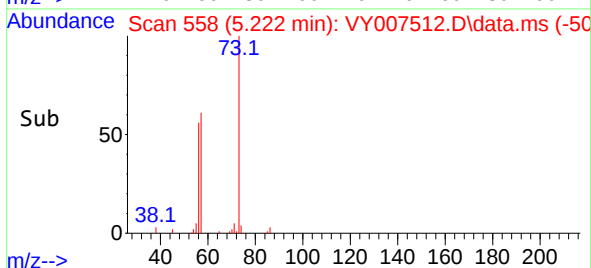
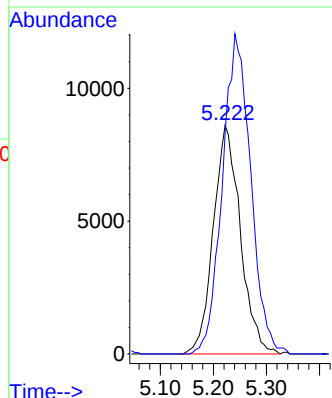
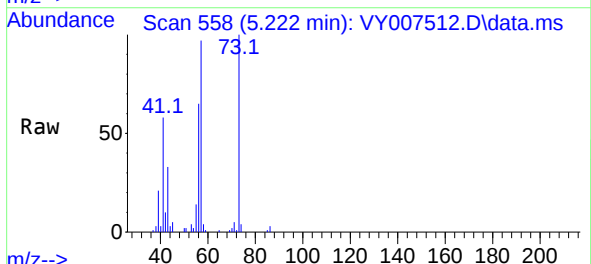
Instrument :
MSVOA_Y
ClientSampleId :
A5-4-7.5

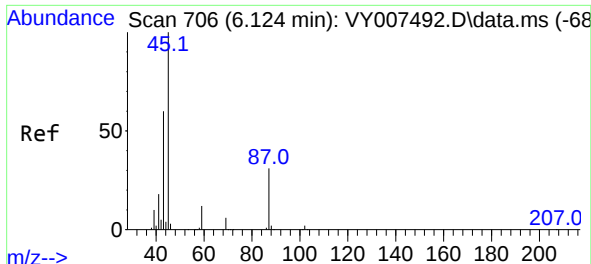
Tgt Ion: 43 Resp: 108139
Ion Ratio Lower Upper
43 100
58 25.3 22.0 33.0



#19
Methyl tert-butyl Ether
Concen: 9.620 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion: 73 Resp: 30452
Ion Ratio Lower Upper
73 100
57 96.7 18.6 27.8#

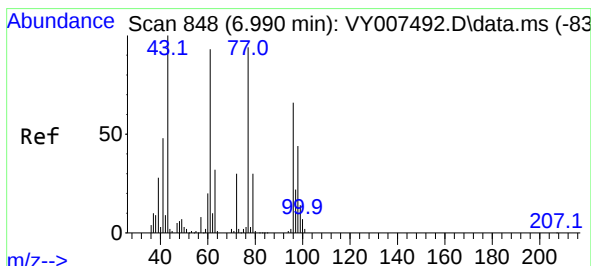
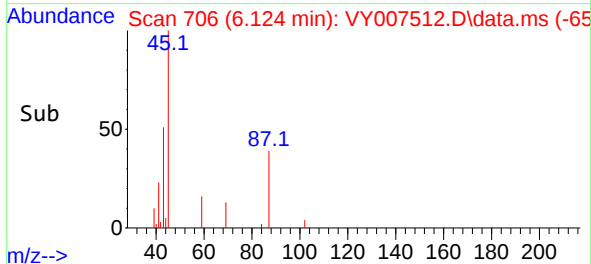
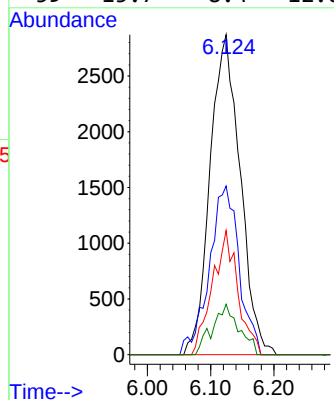
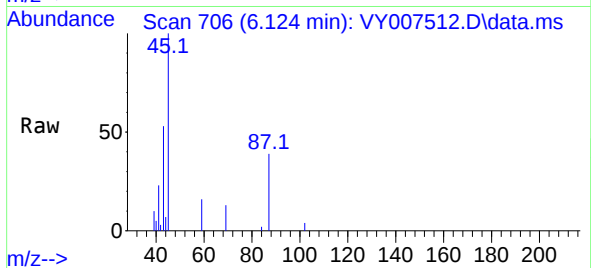




#22
Diisopropyl ether
Concen: 2.816 ug/l
RT: 6.124 min Scan# 706
Delta R.T. -0.001 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

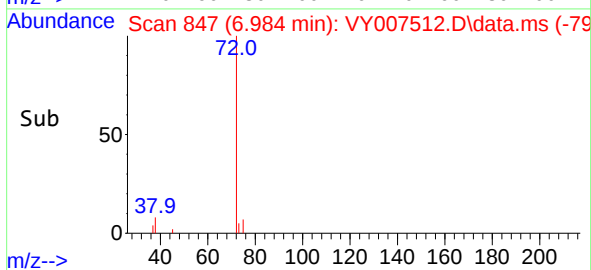
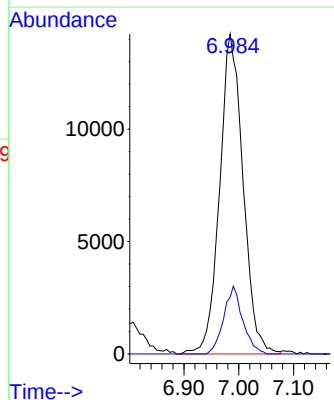
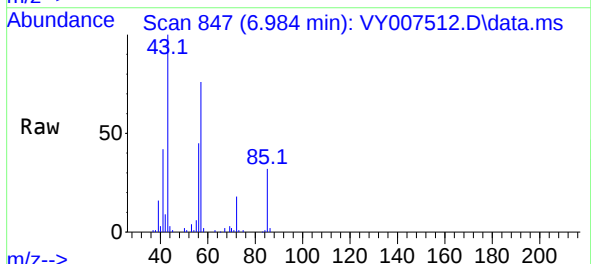
Instrument :
MSVOA_Y
ClientSampleId :
A5-4-7.5

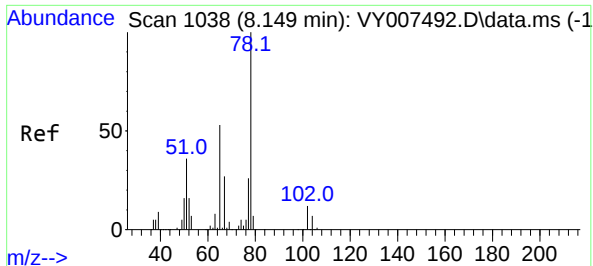
Tgt Ion:	45	Resp:	9497
Ion	Ratio	Lower	Upper
45	100		
43	52.7	49.3	73.9
87	38.8	19.2	28.8#
59	15.7	8.4	12.6#



#25
2-Butanone
Concen: 110.867 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion:	43	Resp:	42266
Ion	Ratio	Lower	Upper
43	100		
72	17.7	17.7	26.5





#33

1,2-Dichloroethane-d4

Concen: 50.678 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007512.D

Acq: 16 Feb 2022 16:16

Instrument :

MSVOA_Y

ClientSampleId :

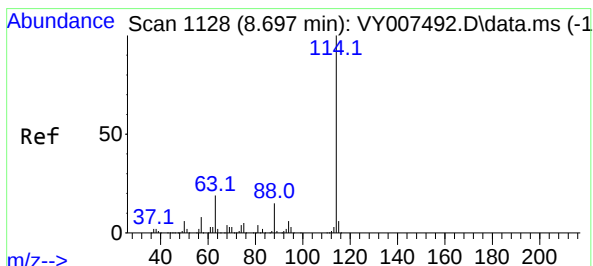
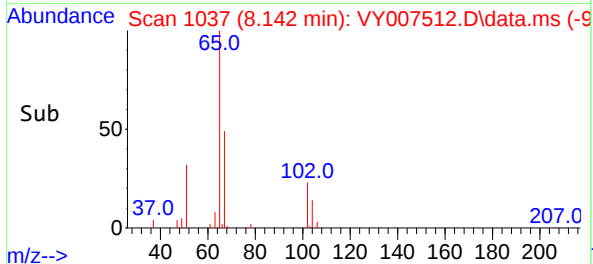
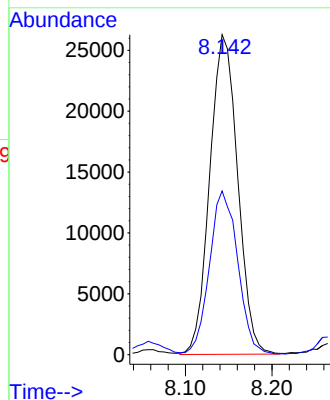
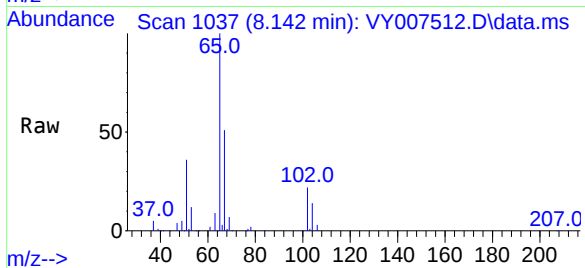
A5-4-7.5

Tgt Ion: 65 Resp: 58814

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007512.D

Acq: 16 Feb 2022 16:16

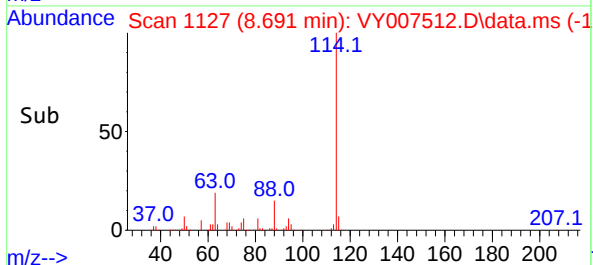
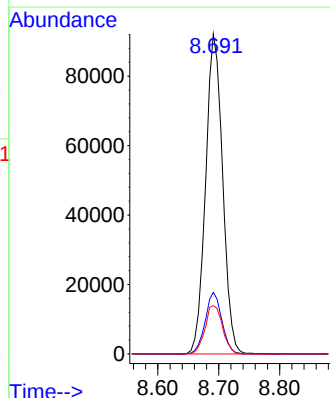
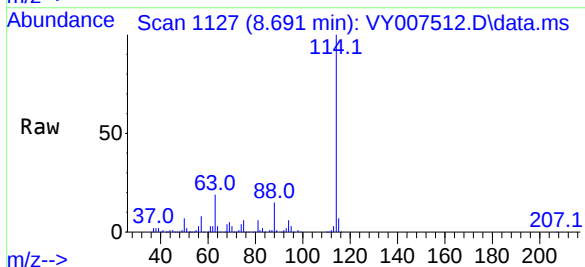
Tgt Ion: 114 Resp: 178839

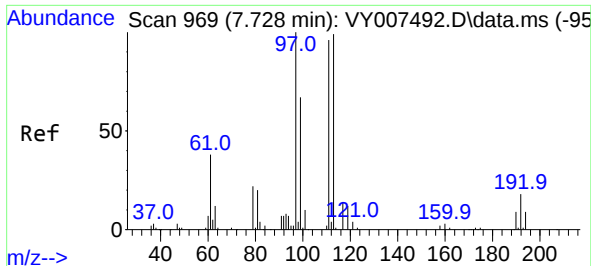
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.1 0.0 31.8

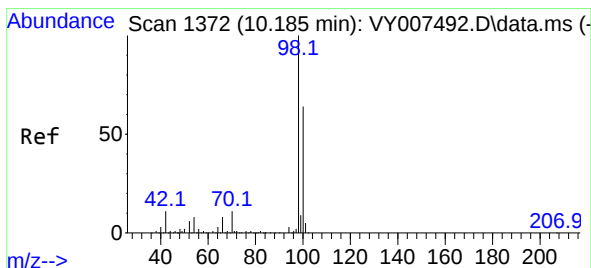
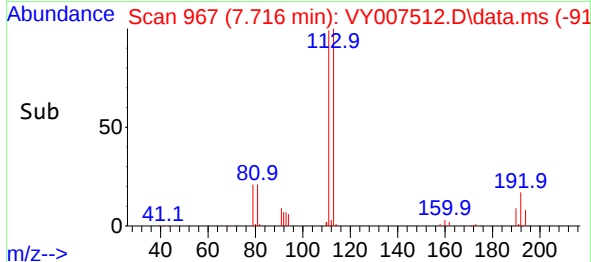
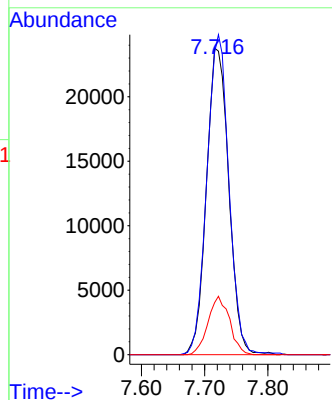
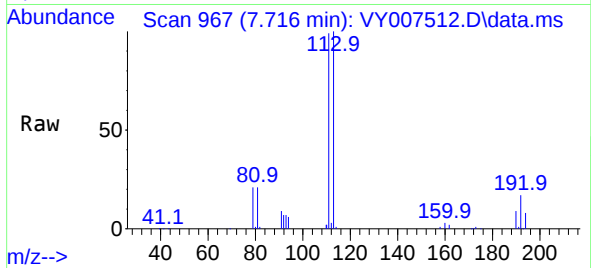




#35
Dibromofluoromethane
Concen: 51.797 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

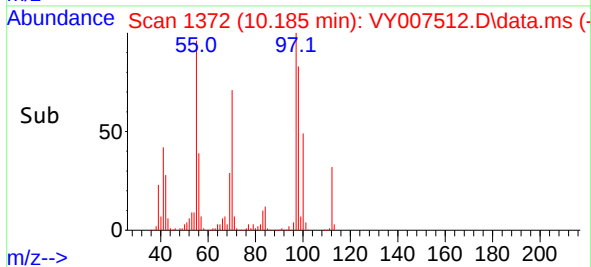
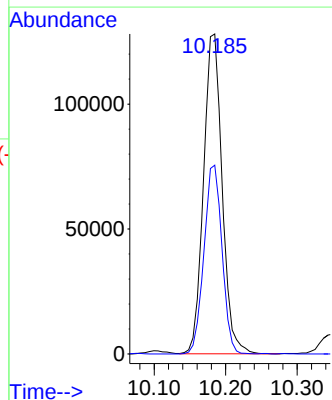
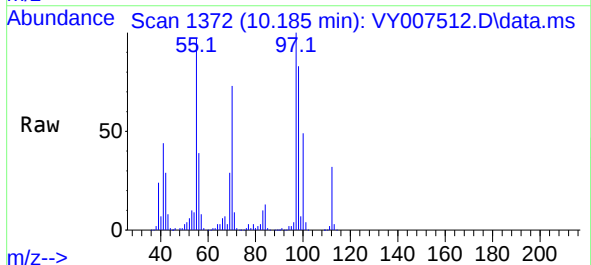
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ClientSampleId :
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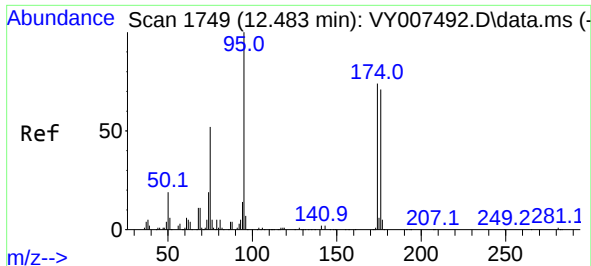
Tgt Ion:113 Resp: 58417
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 18.4 17.6 26.4



#50
Toluene-d8
Concen: 54.065 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion: 98 Resp: 231588
Ion Ratio Lower Upper
98 100
100 57.1 50.2 75.2

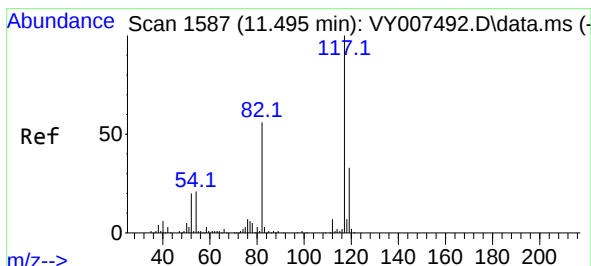
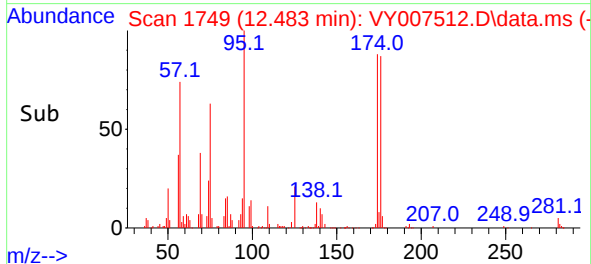
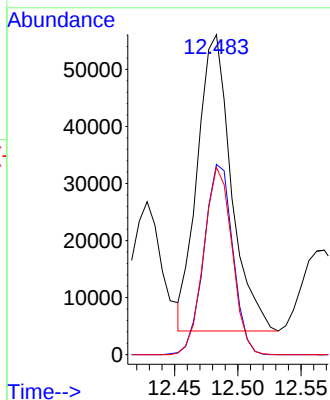
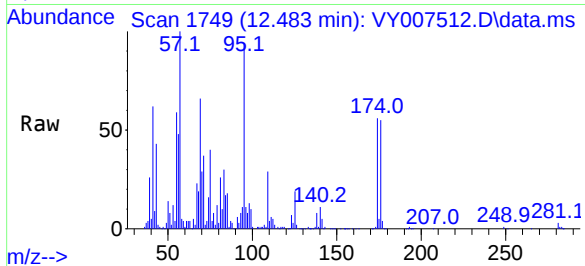




#62
4-Bromofluorobenzene
Concen: 66.583 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

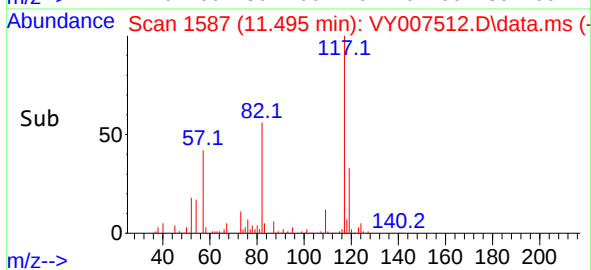
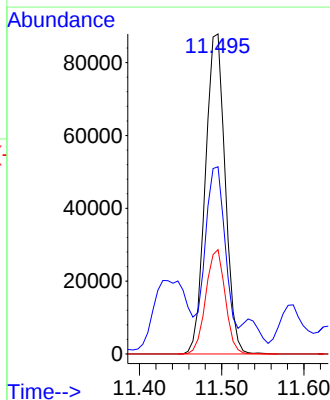
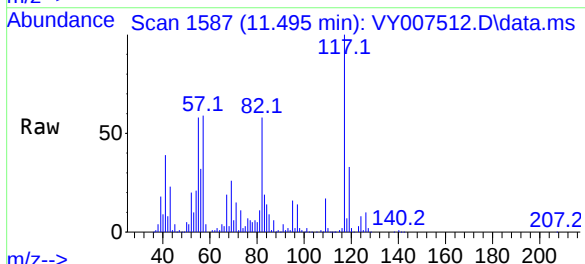
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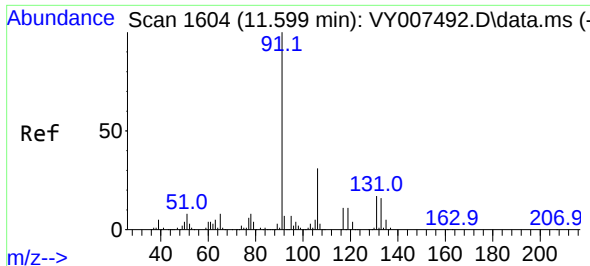
Tgt Ion: 95 Resp: 96709
Ion Ratio Lower Upper
95 100
174 54.7 0.0 177.0
176 52.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion: 117 Resp: 147117
Ion Ratio Lower Upper
117 100
82 50.1 43.0 64.4
119 32.6 25.4 38.0

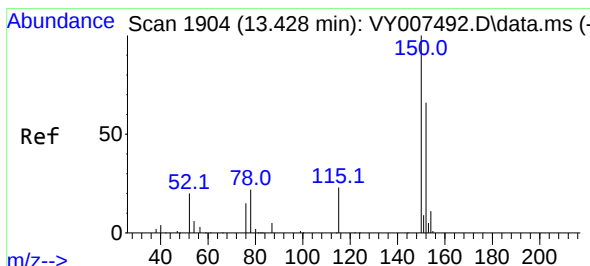
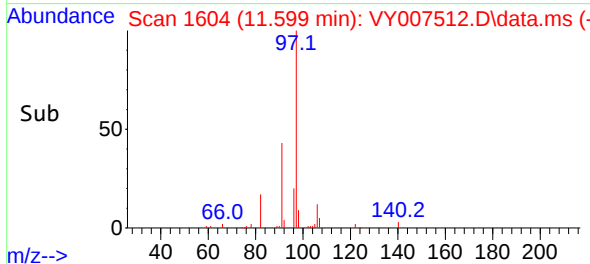
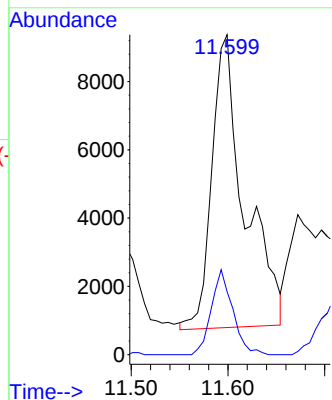
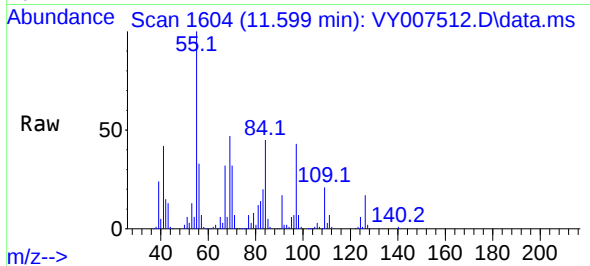




#67
Ethyl Benzene
Concen: 3.334 ug/l
RT: 11.599 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

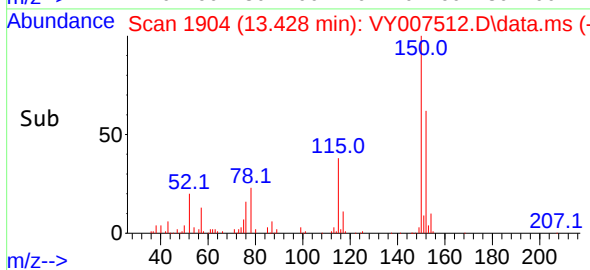
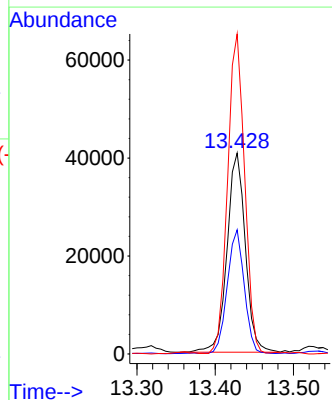
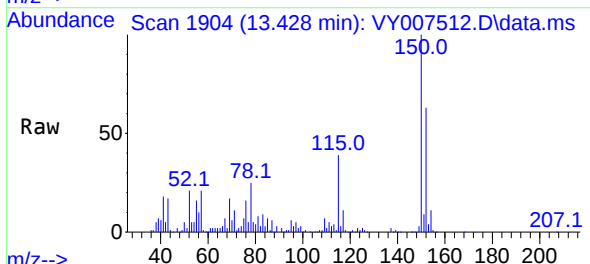
Instrument :
MSVOA_Y
ClientSampleId :
A5-4-7.5

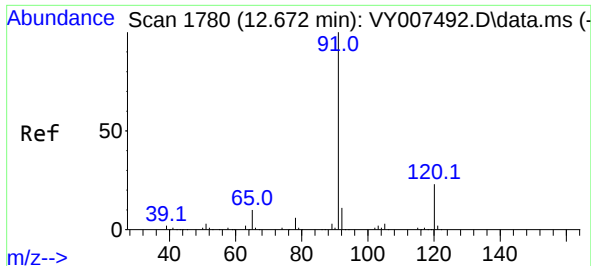
Tgt Ion: 91 Resp: 20104
Ion Ratio Lower Upper
91 100
106 21.9 24.5 36.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion:152 Resp: 66089
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 148.9 0.0 347.6

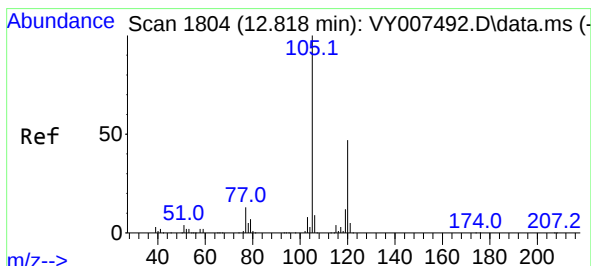
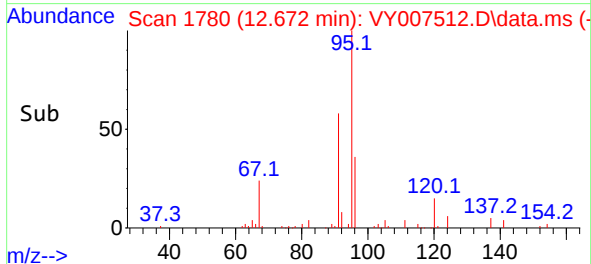
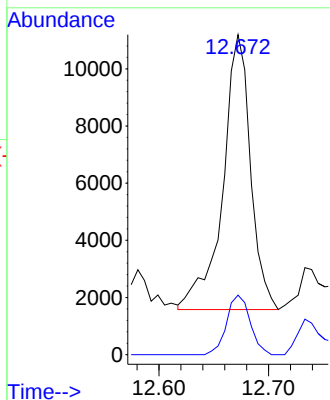
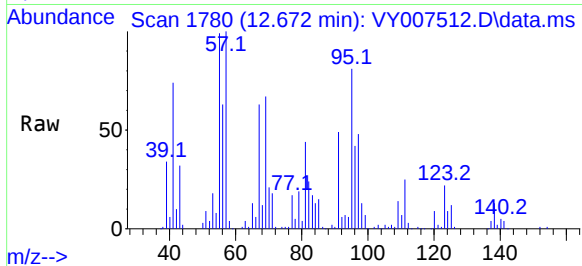




#78
n-propylbenzene
Concen: 2.406 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

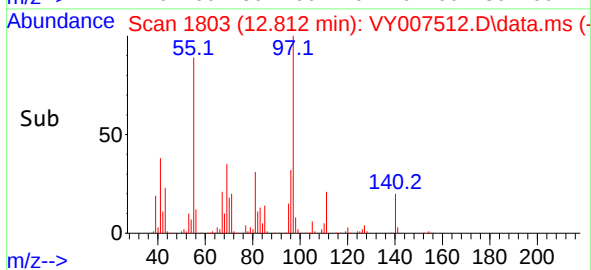
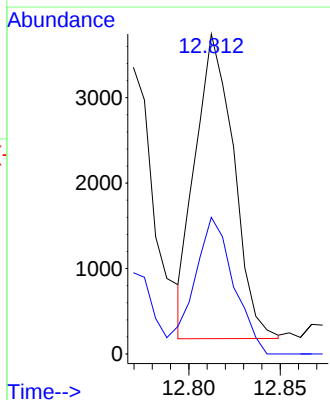
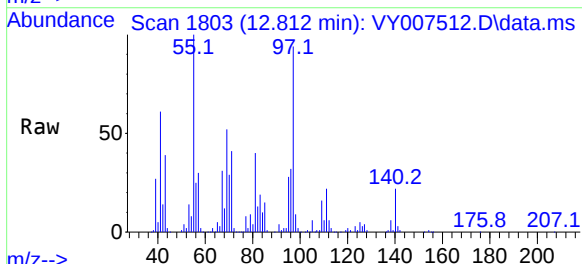
Instrument :
MSVOA_Y
ClientSampleId :
A5-4-7.5

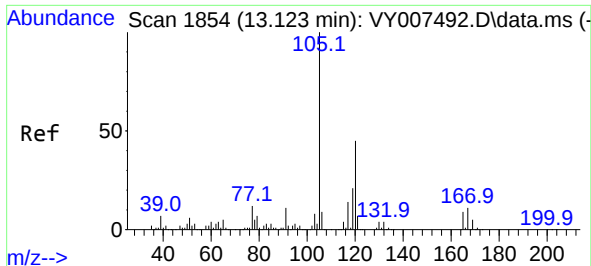
Tgt Ion: 91 Resp: 16952
Ion Ratio Lower Upper
91 100
120 18.4 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 1.071 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion: 105 Resp: 5194
Ion Ratio Lower Upper
105 100
120 46.1 24.4 73.4

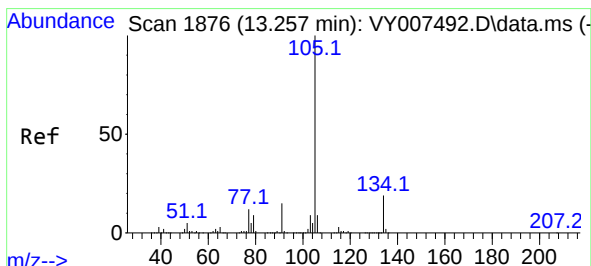
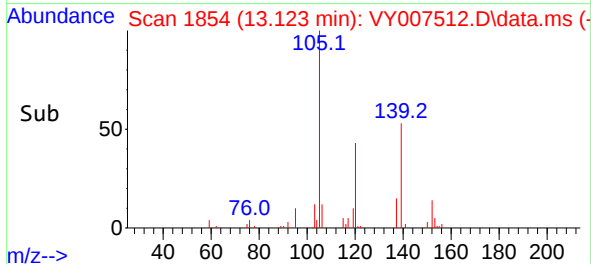
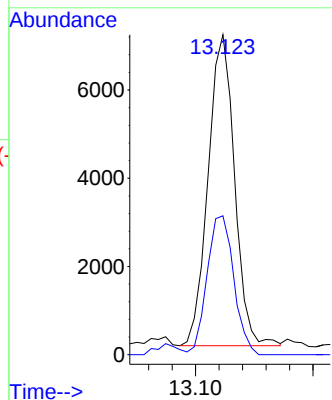
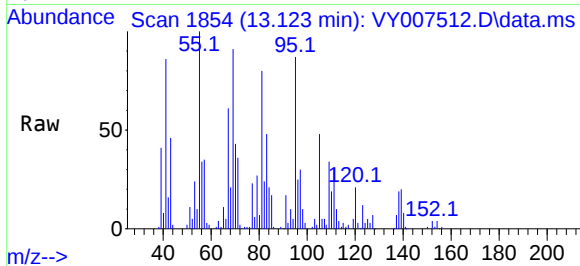




#84
1,2,4-Trimethylbenzene
Concen: 2.345 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :
A5-4-7.5

Tgt Ion:105 Resp: 11026
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.9



#85
sec-Butylbenzene
Concen: 3.937 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007512.D
Acq: 16 Feb 2022 16:16

Tgt Ion:105 Resp: 24599
Ion Ratio Lower Upper
105 100
134 33.8 10.2 30.4#

