

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
 Data File : VY020034.D
 Acq On : 28 Oct 2024 12:19
 Operator : SY/MD
 Sample : P4578-04
 Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WB-305-TOP-1

Quant Time: Oct 29 01:56:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

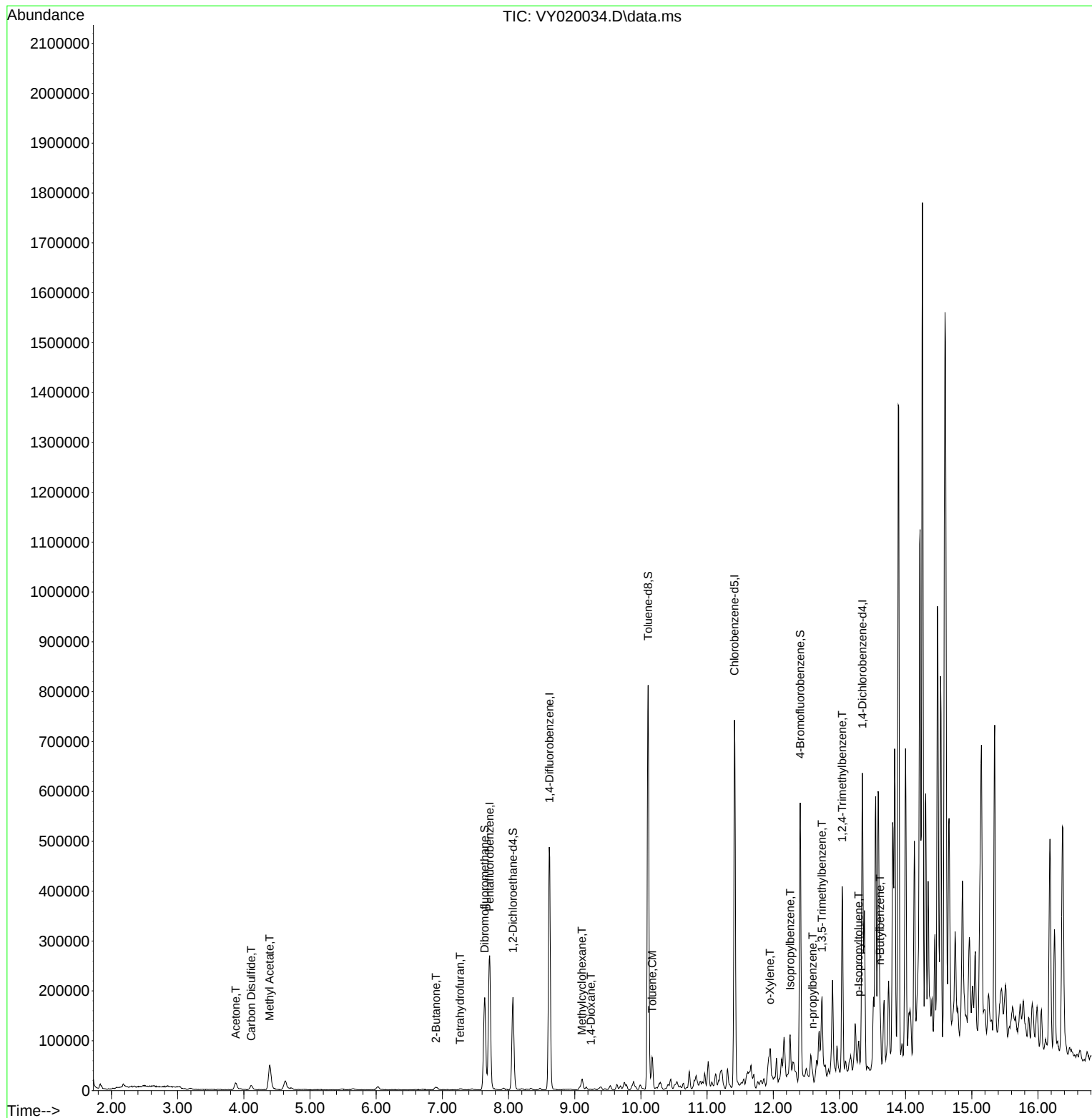
Internal Standards						
1) Pentafluorobenzene	7.713	168	189016	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	386680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	354785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	137110	58.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.820%	
35) Dibromofluoromethane	7.640	113	129124	50.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.200%	
50) Toluene-d8	10.109	98	486723	51.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.408	95	155308	45.615	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.220%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	24523	40.477	ug/l	# 76
17) Carbon Disulfide	4.110	76	16417	3.021	ug/l	100
18) Methyl Acetate	4.391	43	101283	77.606	ug/l	# 85
25) 2-Butanone	6.902	43	8676	10.699	ug/l	# 83
29) Tetrahydrofuran	7.268	42	1590	3.434	ug/l	# 75
39) Methylcyclohexane	9.109	83	7326	1.582	ug/l	# 82
49) 1,4-Dioxane	9.243	88	694	40.756	ug/l	# 34
52) Toluene	10.170	92	24760	3.565	ug/l	98
69) o-Xylene	11.950	106	14909	2.850	ug/l	94
73) Isopropylbenzene	12.255	105	46935	4.195	ug/l	98
78) n-propylbenzene	12.597	91	13628	1.008	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	46294	5.124	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	188500	21.042	ug/l	97
86) p-Isopropyltoluene	13.292	119	21159	2.155	ug/l	91
89) n-Butylbenzene	13.615	91	46394	4.838	ug/l	# 65

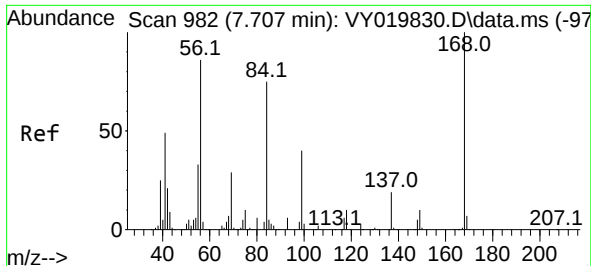
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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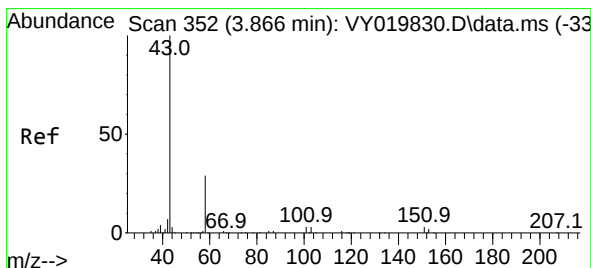
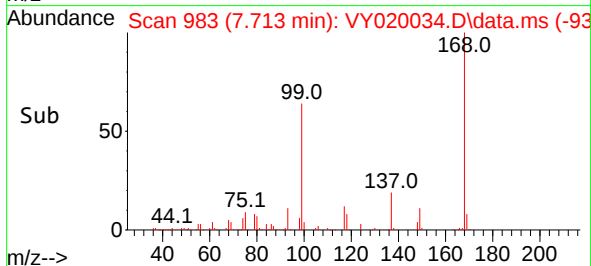
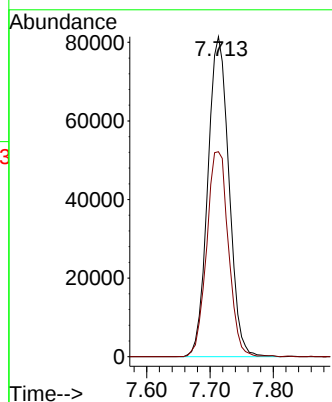
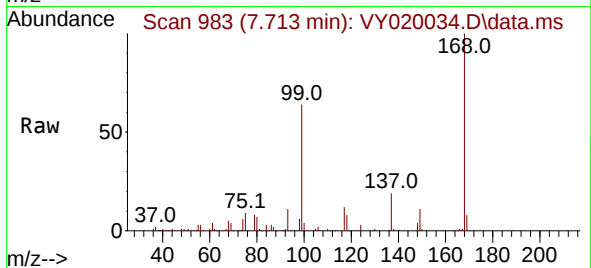




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

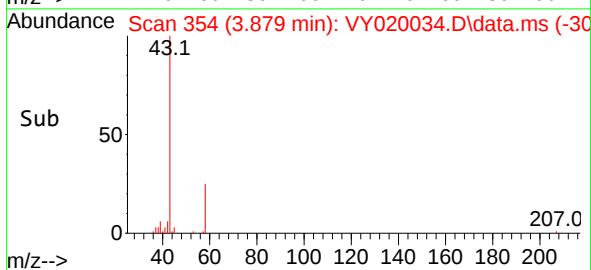
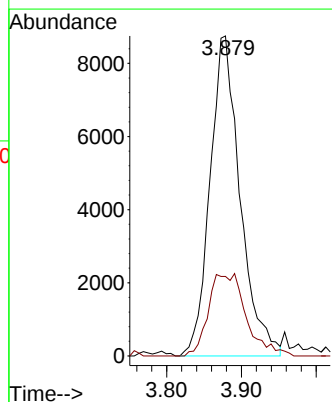
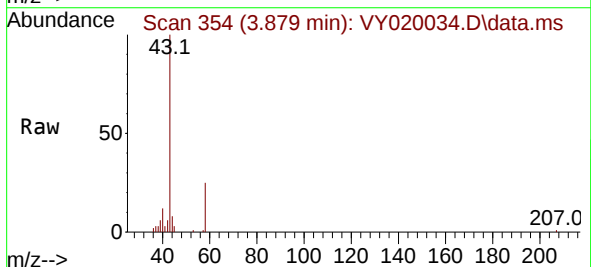
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

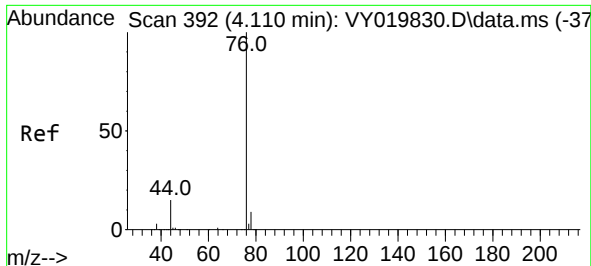
Tgt Ion:168 Resp: 189016
Ion Ratio Lower Upper
168 100
99 64.1 39.1 58.7#



#16
Acetone
Concen: 40.477 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 43 Resp: 24523
Ion Ratio Lower Upper
43 100
58 24.8 31.7 47.5#

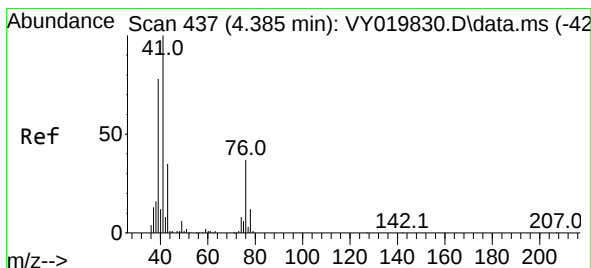
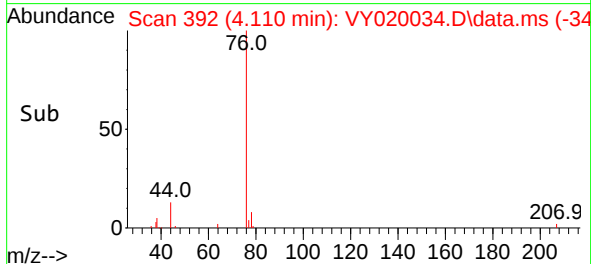
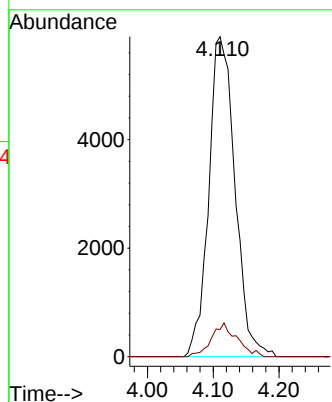
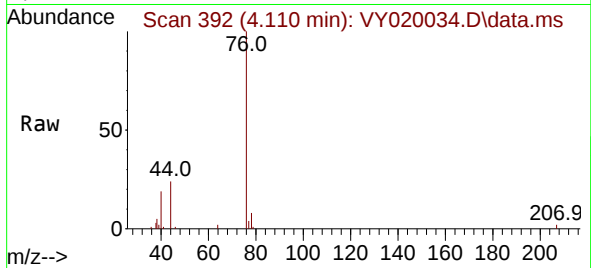




#17
Carbon Disulfide
Concen: 3.021 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

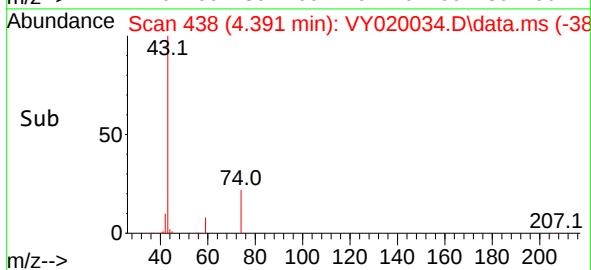
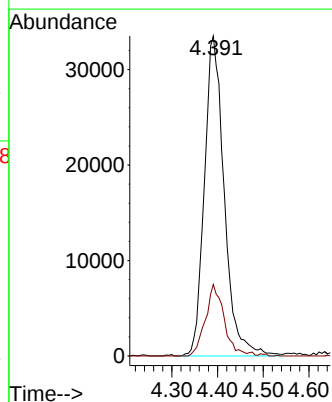
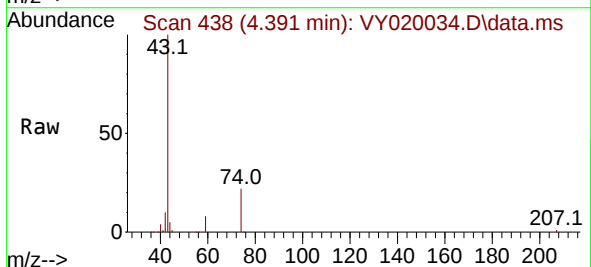
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

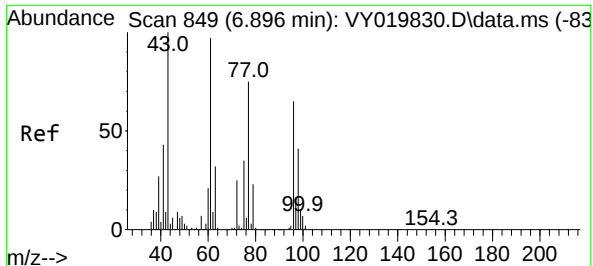
Tgt Ion: 76 Resp: 16417
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2



#18
Methyl Acetate
Concen: 77.606 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 43 Resp: 101283
Ion Ratio Lower Upper
43 100
74 20.8 23.3 34.9#





#25

2-Butanone

Concen: 10.699 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

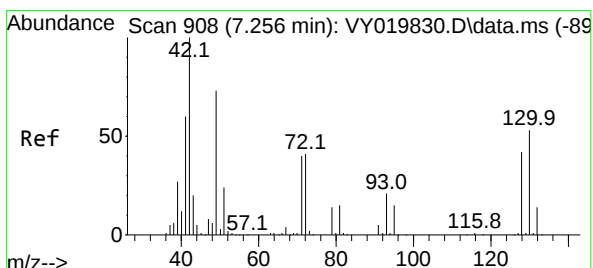
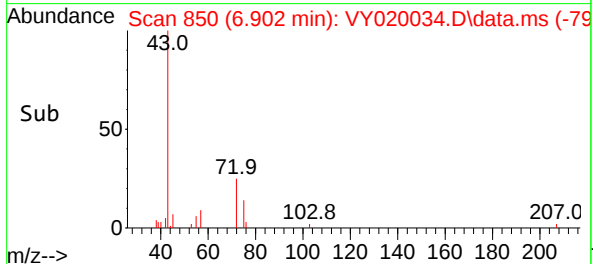
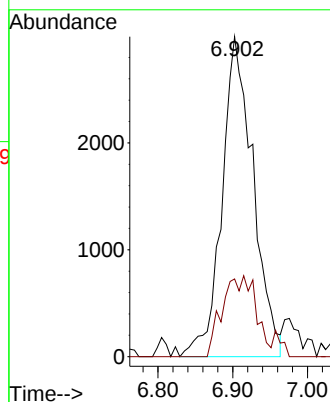
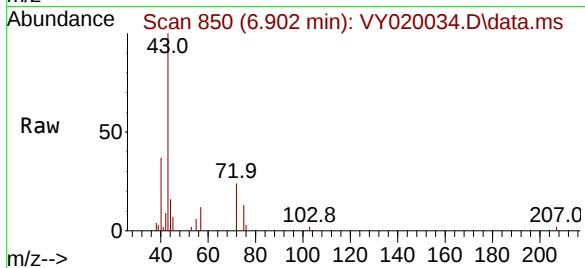
WB-305-TOP-1

Tgt Ion: 43 Resp: 8676

Ion Ratio Lower Upper

43 100

72 24.3 27.3 40.9#



#29

Tetrahydrofuran

Concen: 3.434 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

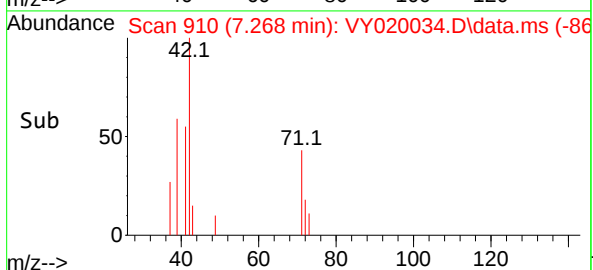
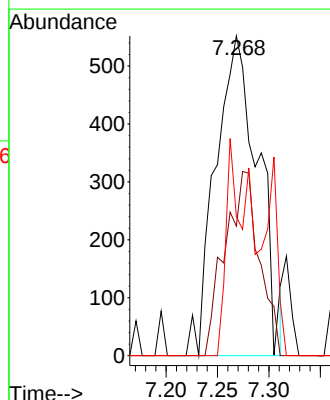
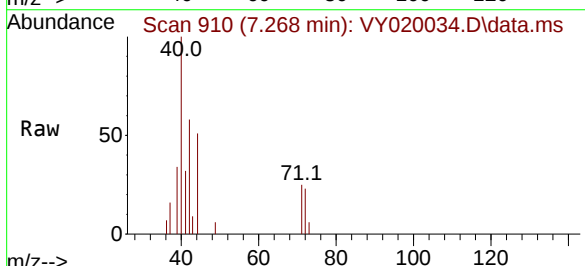
Tgt Ion: 42 Resp: 1590

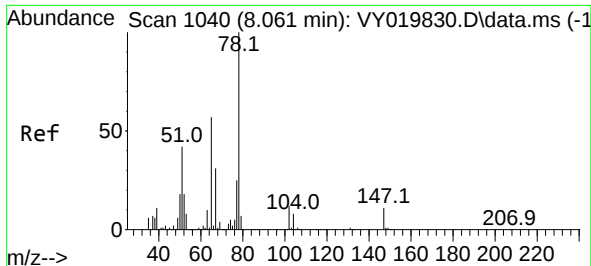
Ion Ratio Lower Upper

42 100

72 46.6 43.0 64.4

71 22.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 58.913 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

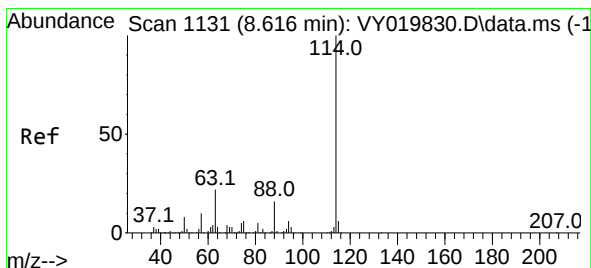
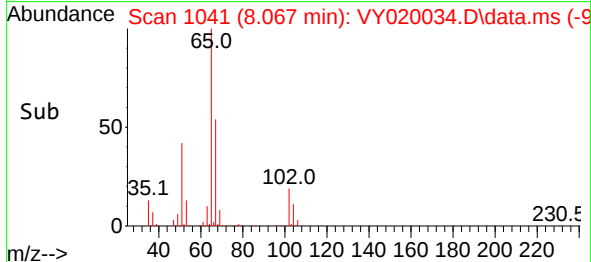
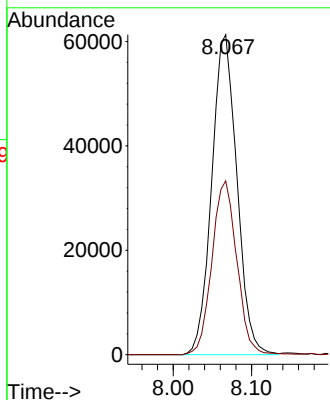
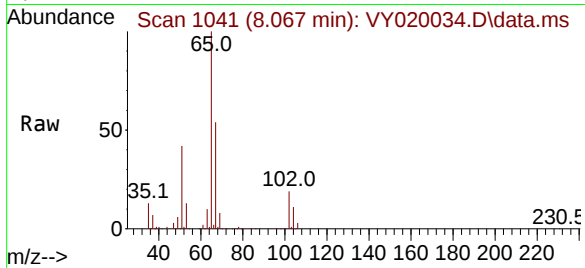
WB-305-TOP-1

Tgt Ion: 65 Resp: 137110

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

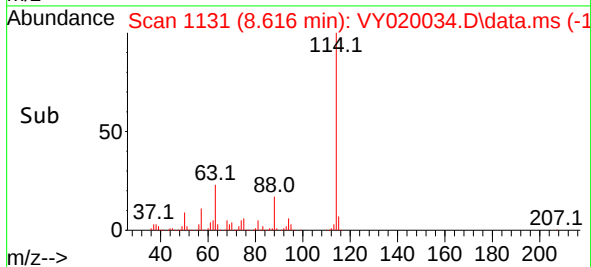
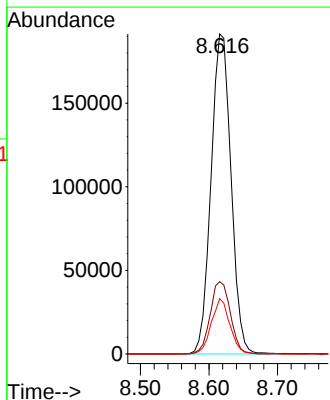
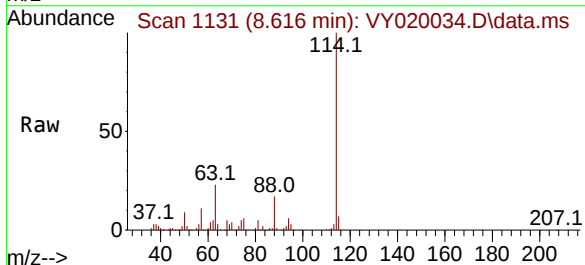
Tgt Ion: 114 Resp: 386680

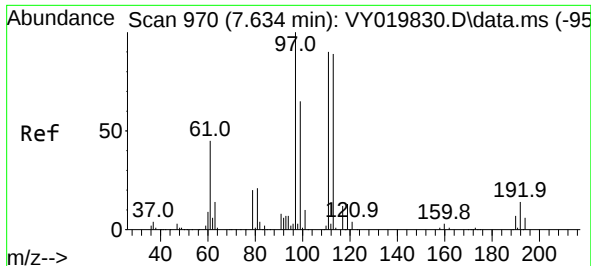
Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.0

88 17.3 0.0 27.2

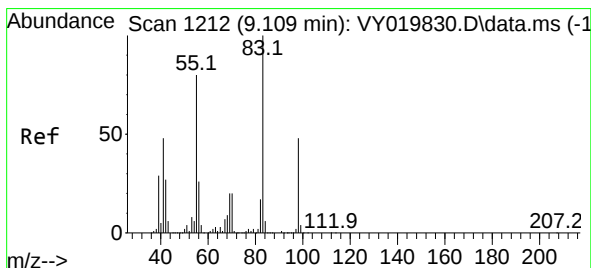
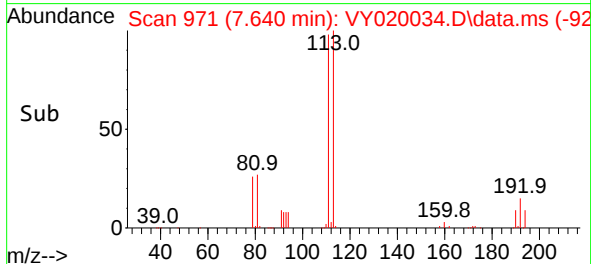
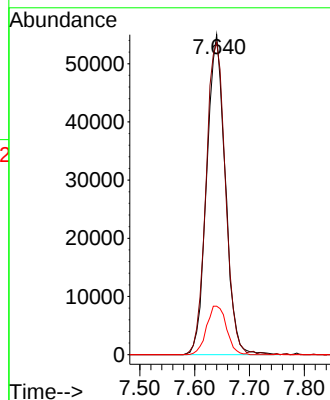
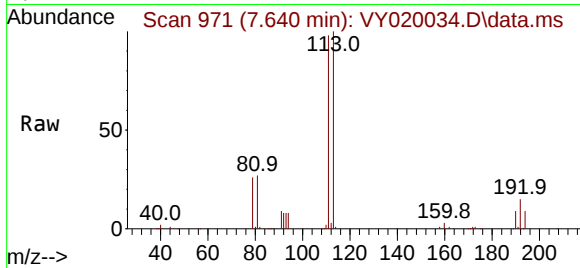




#35
Dibromofluoromethane
Concen: 50.604 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

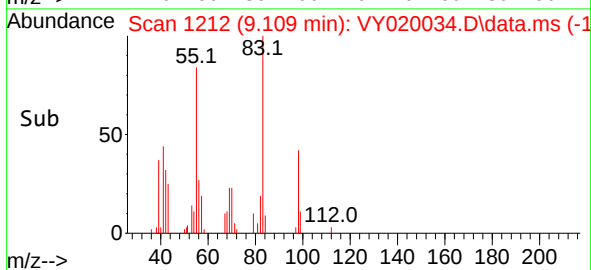
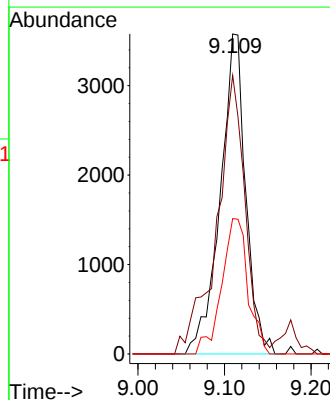
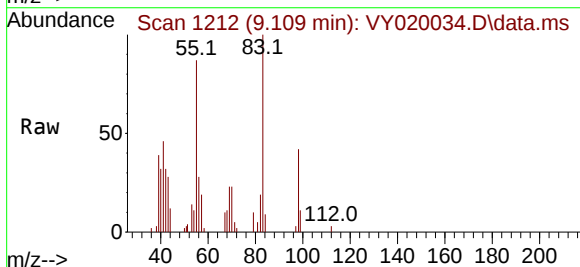
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

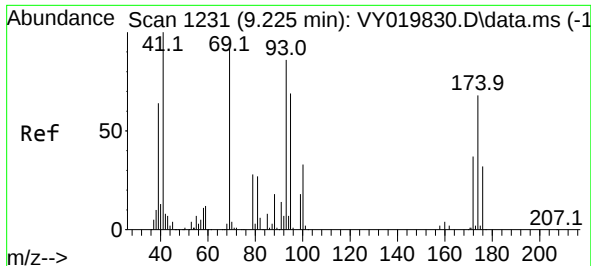
Tgt Ion:113 Resp: 129124
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 16.2 15.9 23.9



#39
Methylcyclohexane
Concen: 1.582 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 83 Resp: 7326
Ion Ratio Lower Upper
83 100
55 82.1 51.5 77.3#
98 42.3 40.5 60.7





#49

1,4-Dioxane

Concen: 40.756 ug/l

RT: 9.243 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

WB-305-TOP-1

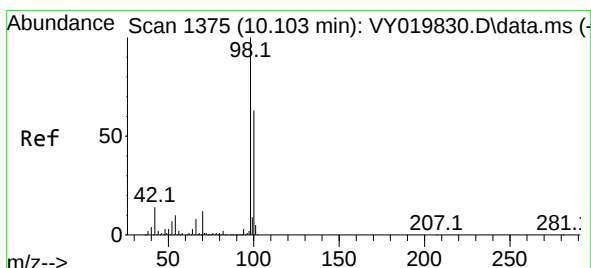
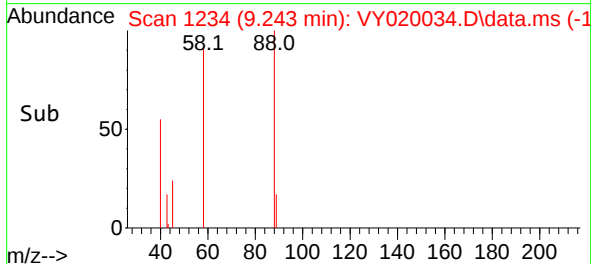
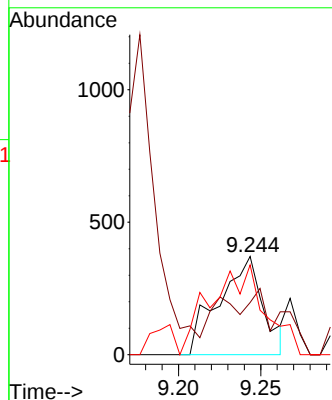
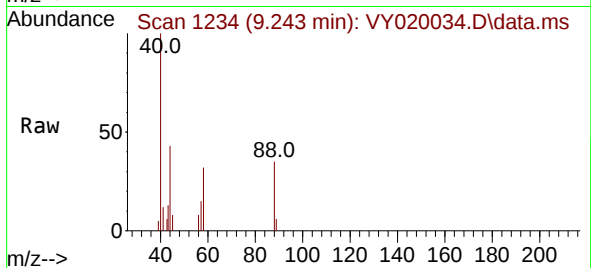
Tgt Ion: 88 Resp: 694

Ion Ratio Lower Upper

88 100

43 24.8 0.0 0.0#

58 112.2 49.3 73.9#



#50

Toluene-d8

Concen: 51.653 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020034.D

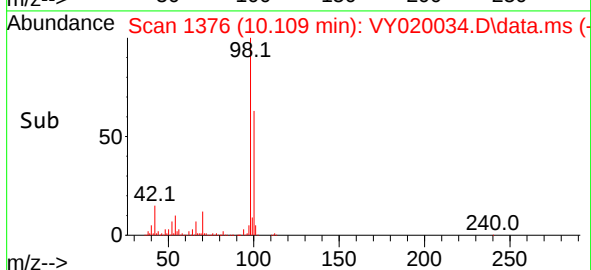
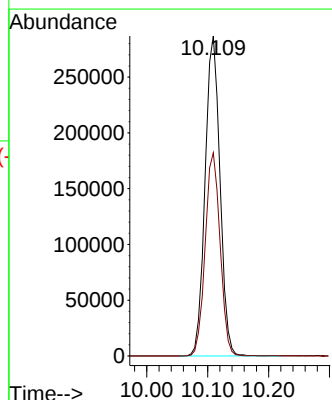
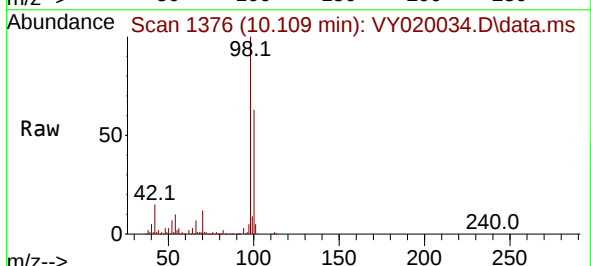
Acq: 28 Oct 2024 12:19

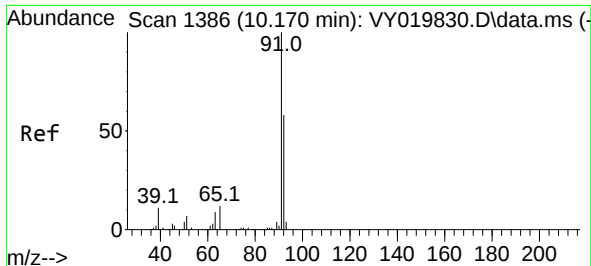
Tgt Ion: 98 Resp: 486723

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0

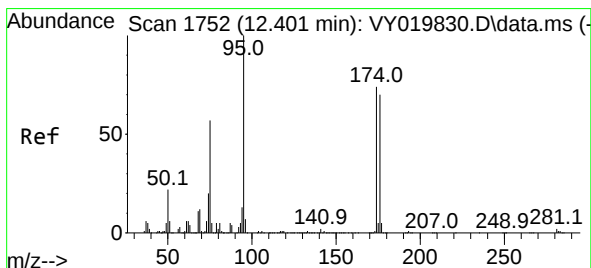
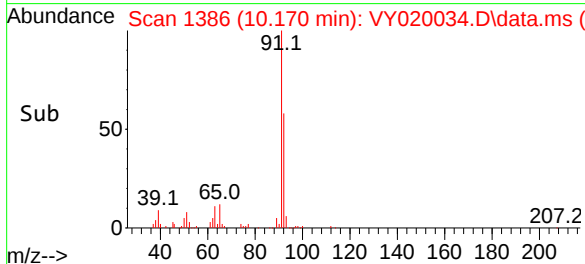
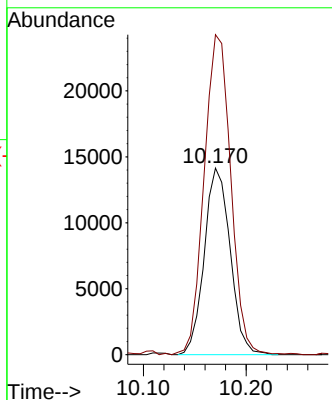
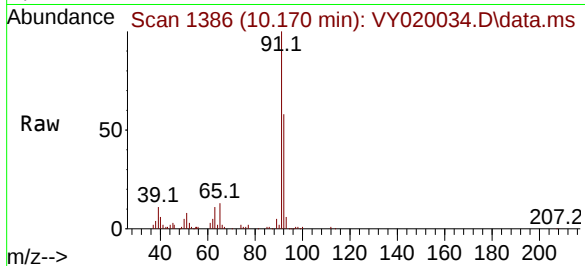




#52
Toluene
Concen: 3.565 ug/l
RT: 10.170 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

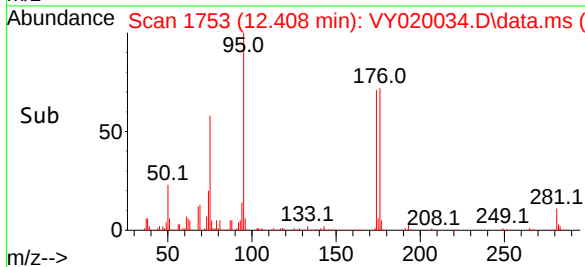
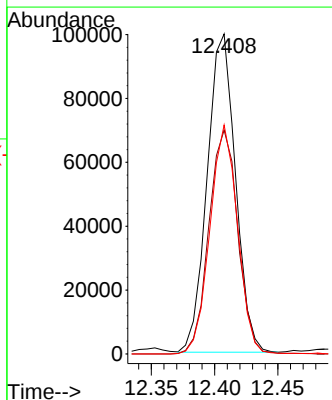
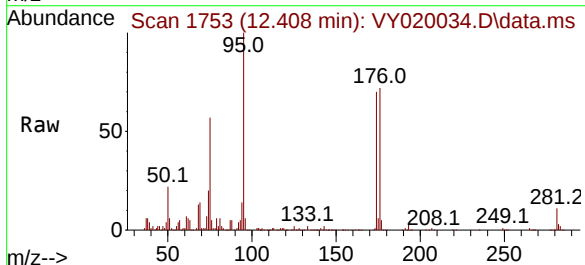
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

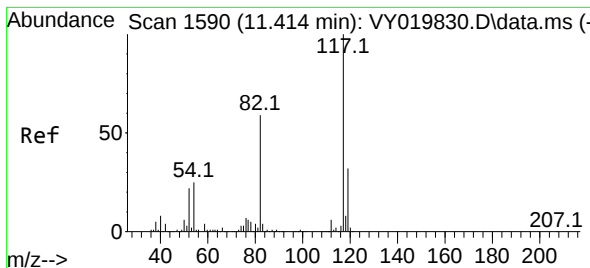
Tgt Ion: 92 Resp: 24760
Ion Ratio Lower Upper
92 100
91 176.6 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 45.615 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 95 Resp: 155308
Ion Ratio Lower Upper
95 100
174 71.9 0.0 175.6
176 70.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

WB-305-TOP-1

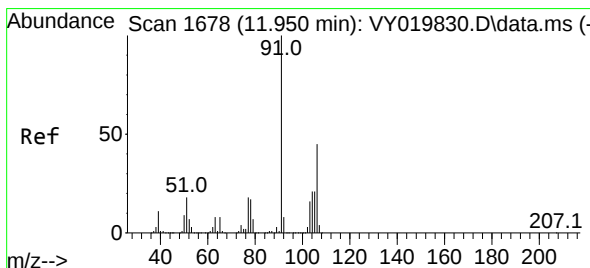
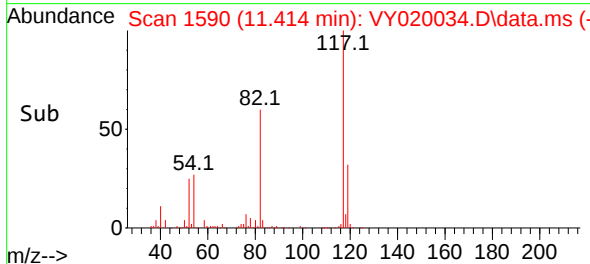
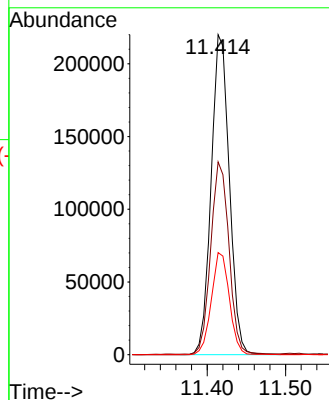
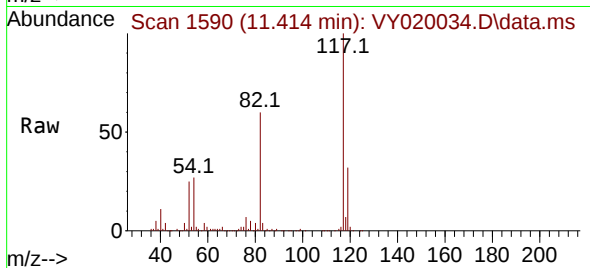
Tgt Ion:117 Resp: 354785

Ion Ratio Lower Upper

117 100

82 60.1 42.4 63.6

119 31.9 25.9 38.9



#69

o-Xylene

Concen: 2.850 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY020034.D

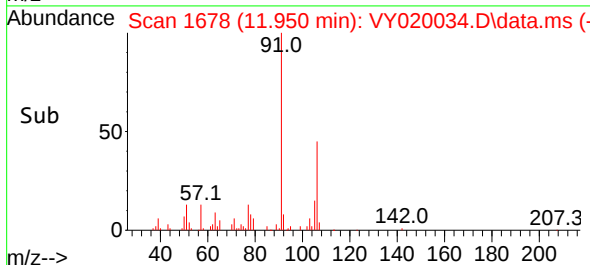
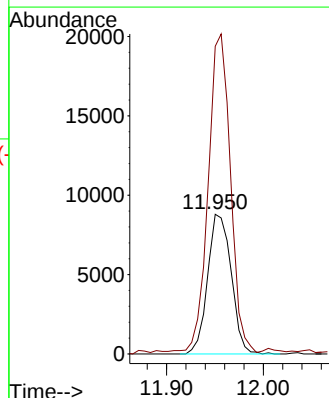
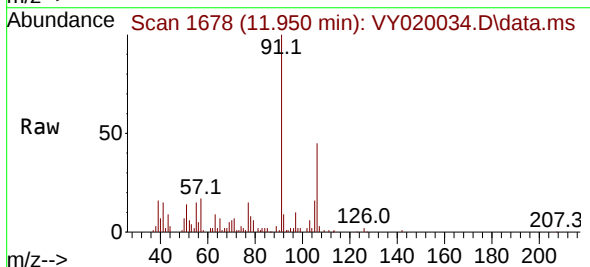
Acq: 28 Oct 2024 12:19

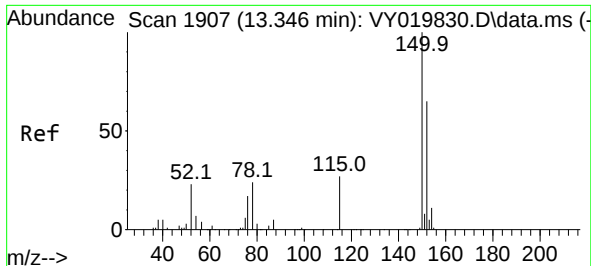
Tgt Ion:106 Resp: 14909

Ion Ratio Lower Upper

106 100

91 215.9 103.6 310.8

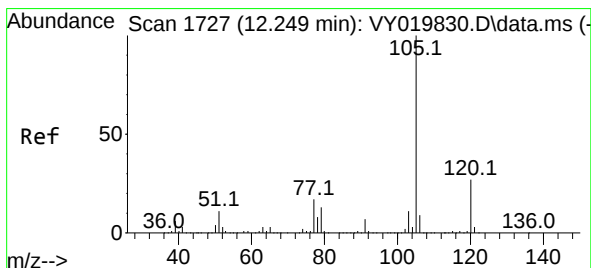
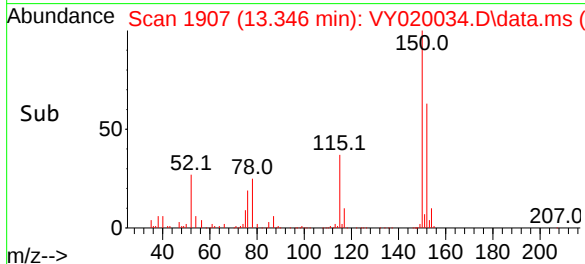
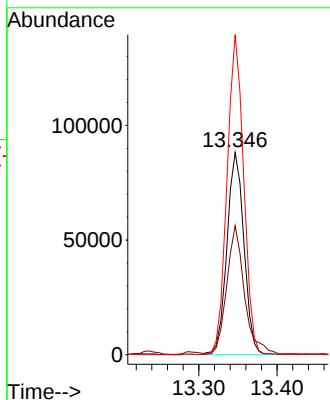
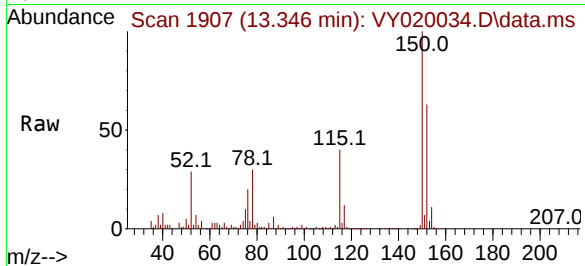




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

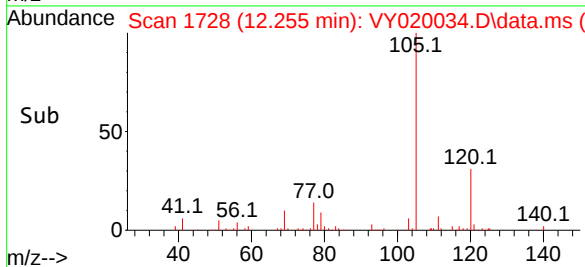
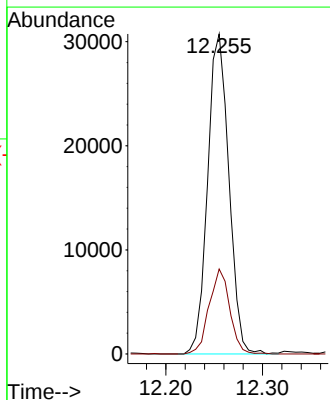
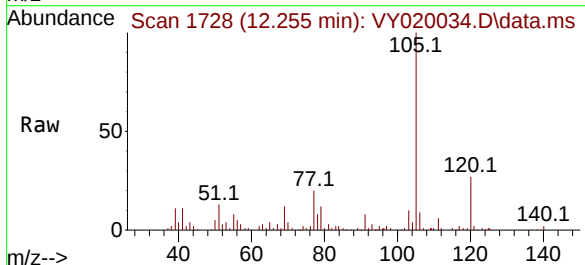
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

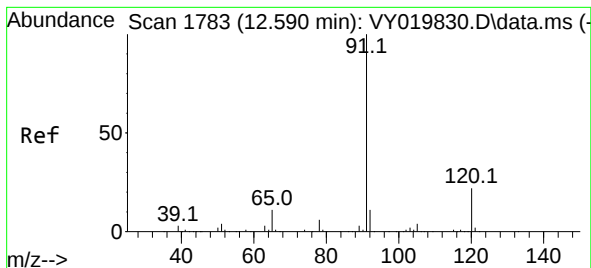
Tgt Ion:152 Resp: 133013
Ion Ratio Lower Upper
152 100
115 65.5 28.2 84.7
150 154.6 0.0 345.6



#73
Isopropylbenzene
Concen: 4.195 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion:105 Resp: 46935
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1





#78

n-propylbenzene

Concen: 1.008 ug/l

RT: 12.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

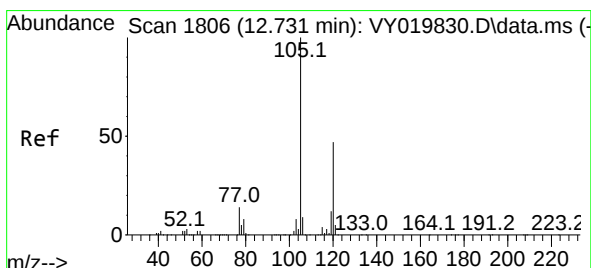
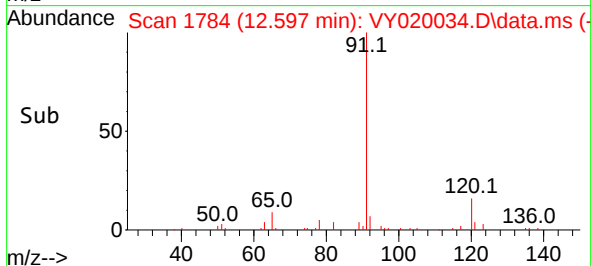
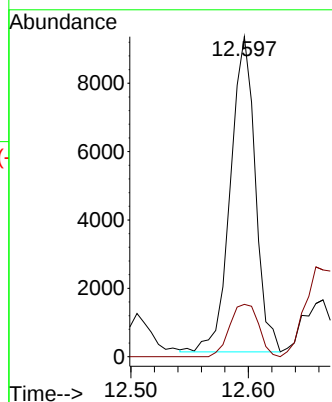
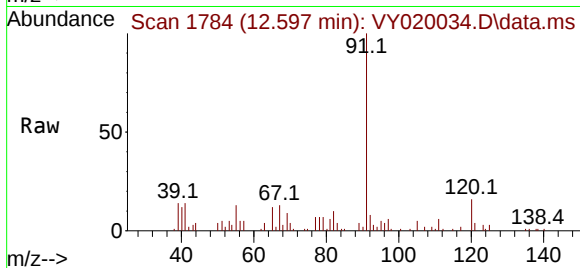
WB-305-TOP-1

Tgt Ion: 91 Resp: 13628

Ion Ratio Lower Upper

91 100

120 19.3 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 5.124 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY020034.D

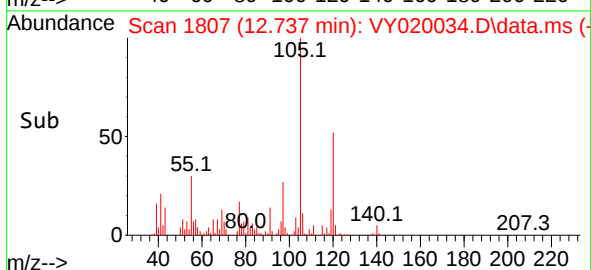
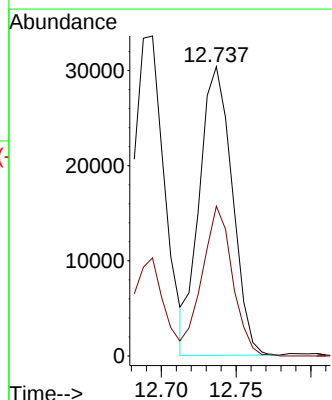
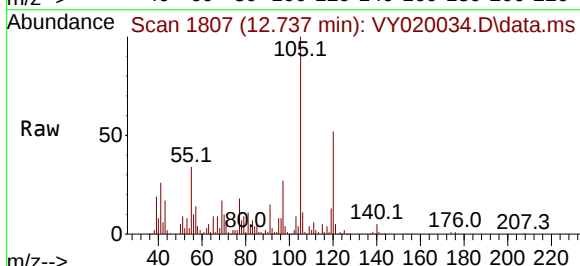
Acq: 28 Oct 2024 12:19

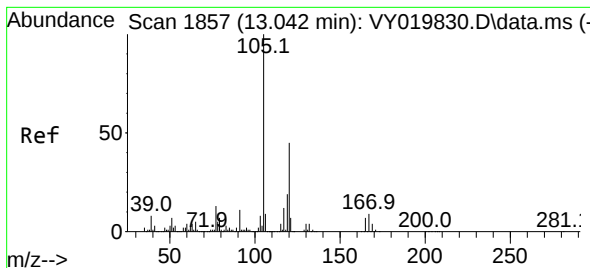
Tgt Ion: 105 Resp: 46294

Ion Ratio Lower Upper

105 100

120 48.1 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 21.042 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

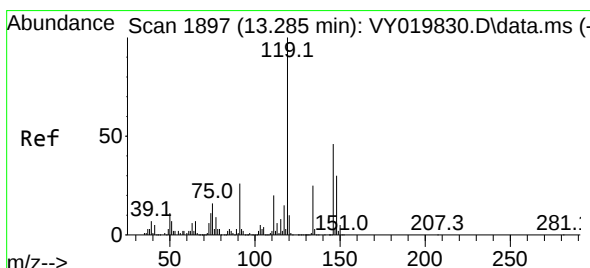
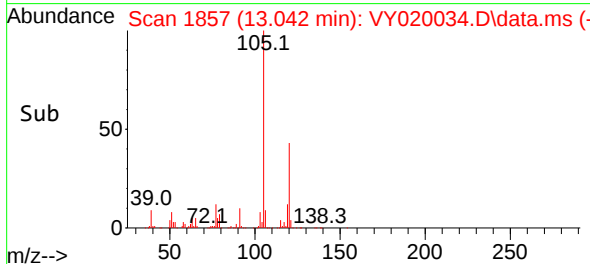
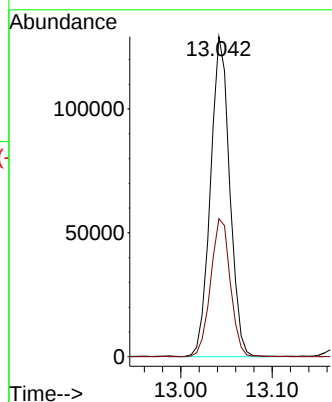
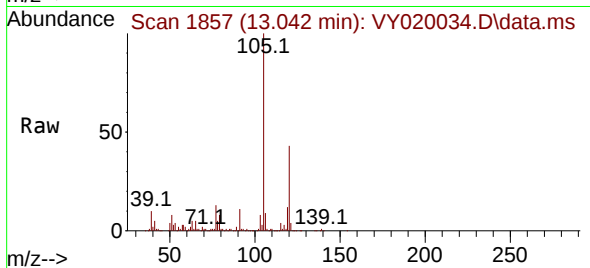
WB-305-TOP-1

Tgt Ion:105 Resp: 188500

Ion Ratio Lower Upper

105 100

120 44.1 23.2 69.6



#86

p-Isopropyltoluene

Concen: 2.155 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020034.D

Acq: 28 Oct 2024 12:19

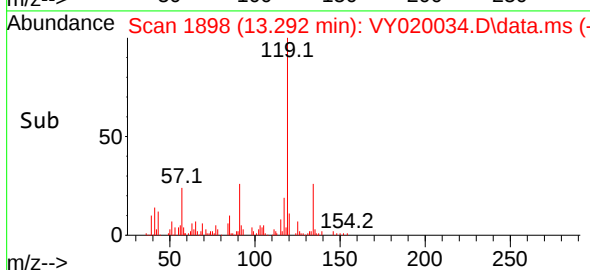
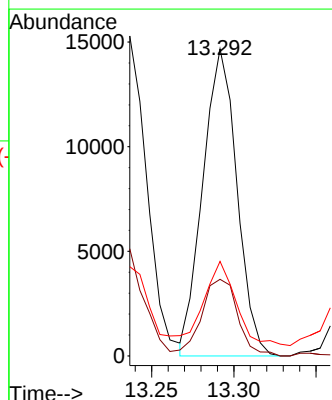
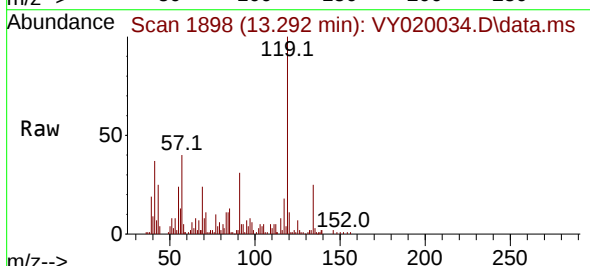
Tgt Ion:119 Resp: 21159

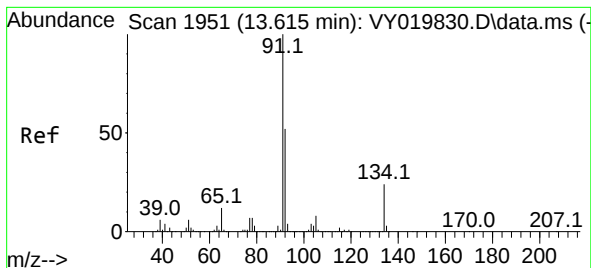
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 30.0 10.7 32.1





#89

n-Butylbenzene

Concen: 4.838 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020034.D

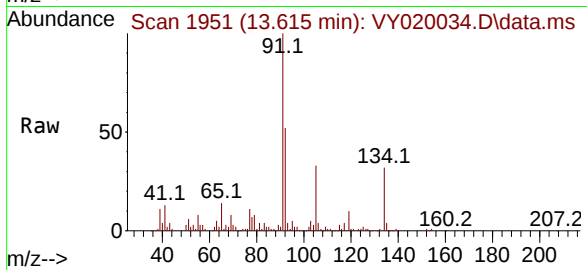
Acq: 28 Oct 2024 12:19

Instrument :

MSVOA_Y

ClientSampleId :

WB-305-TOP-1



Tgt Ion:	91	Resp:	46394
Ion	Ratio	Lower	Upper
91	100		
92	72.5	26.6	79.7
134	0.0	12.9	38.7#

