

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101424\
 Data File : VY019890.D
 Acq On : 14 Oct 2024 14:31
 Operator : SY/MD
 Sample : P4397-01
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WB-301-TOP

Quant Time: Oct 15 01:37:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	258268	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	523100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	164219	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200812	63.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.300%
35) Dibromofluoromethane	7.634	113	178738	51.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.560%
50) Toluene-d8	10.109	98	645964	50.674	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.340%
62) 4-Bromofluorobenzene	12.402	95	202166	43.892	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	87.780%

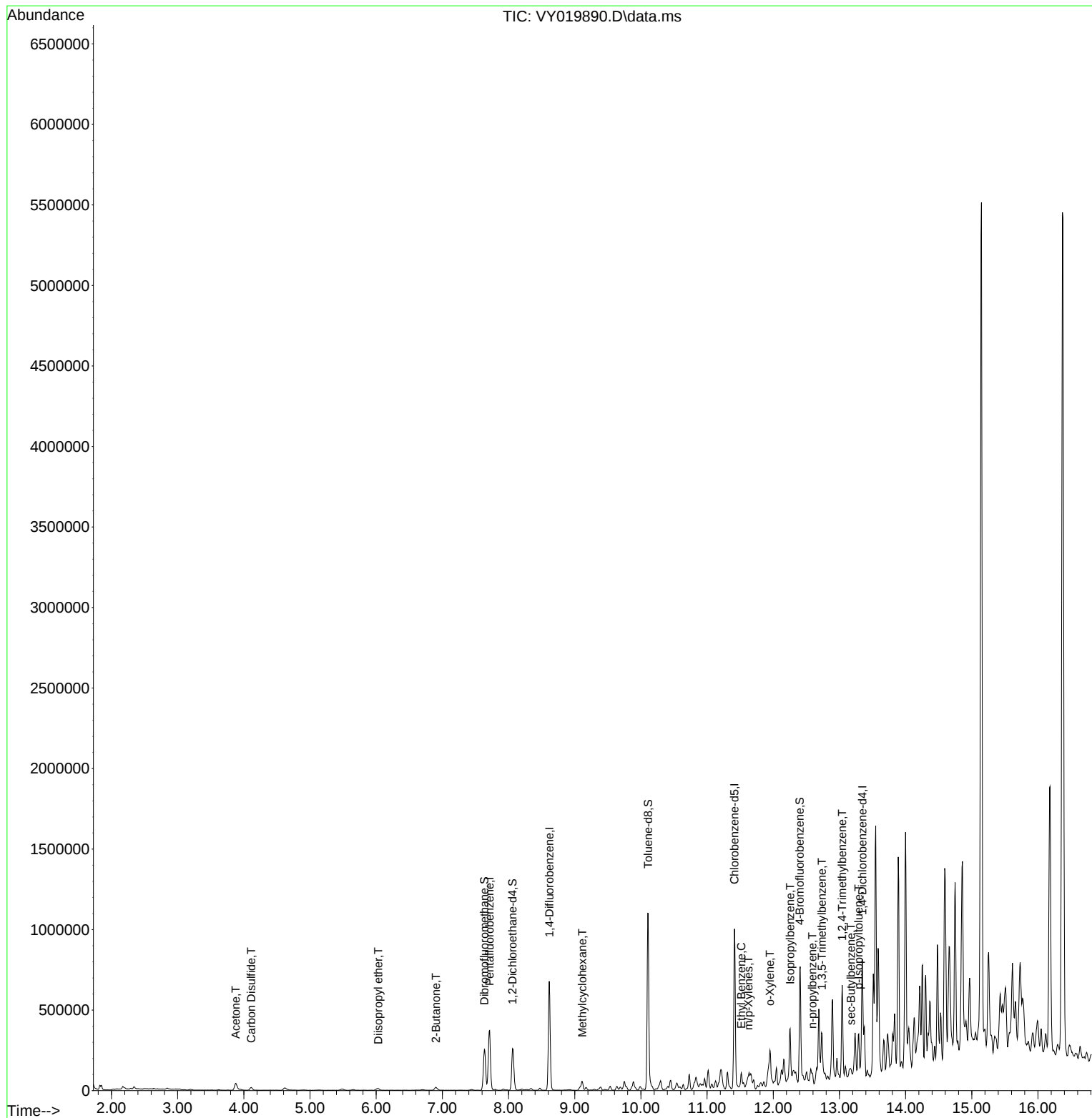
Target Compounds						Qvalue
16) Acetone	3.879	43	79461	95.989	ug/l	# 84
17) Carbon Disulfide	4.110	76	32155	4.330	ug/l	# 92
22) Diisopropyl ether	6.031	45	14136	1.298	ug/l	# 86
25) 2-Butanone	6.903	43	31799	28.698	ug/l	# 82
39) Methylcyclohexane	9.116	83	18263	2.915	ug/l	88
67) Ethyl Benzene	11.518	91	58733	2.962	ug/l	96
68) m/p-Xylenes	11.627	106	17656	2.411	ug/l	92
69) o-Xylene	11.950	106	47505	6.751	ug/l	94
73) Isopropylbenzene	12.255	105	192294	13.921	ug/l	97
78) n-propylbenzene	12.591	91	44469	2.664	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	92114	8.257	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	288058	26.045	ug/l	96
85) sec-Butylbenzene	13.176	105	16043	1.074	ug/l	# 59
86) p-Isopropyltoluene	13.292	119	112455	9.275	ug/l	93

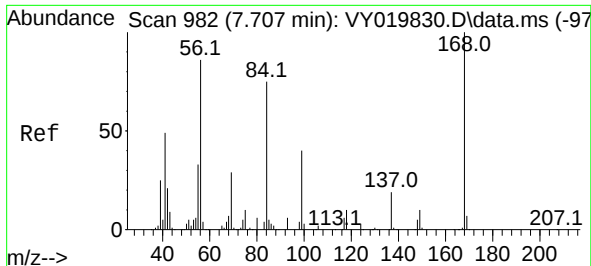
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY101424\
Data File : VY019890.D
Acq On : 14 Oct 2024 14:31
Operator : SY/MD
Sample : P4397-01
Misc : 6.24g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :
WB-301-TOP

Quant Time: Oct 15 01:37:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration

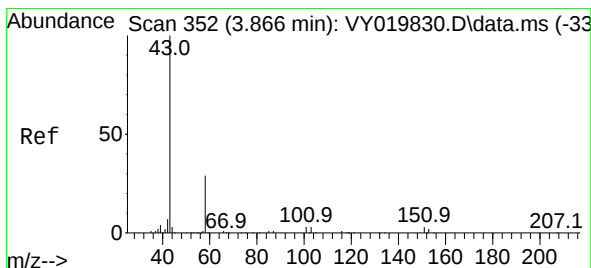
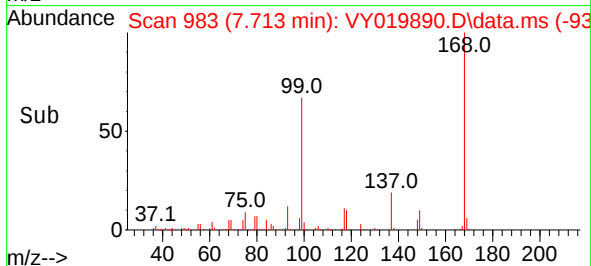
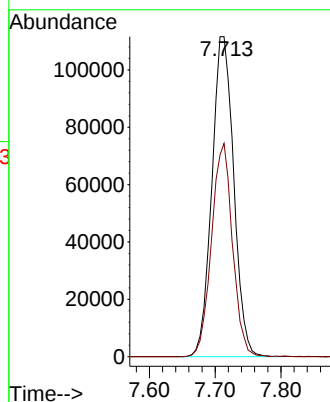
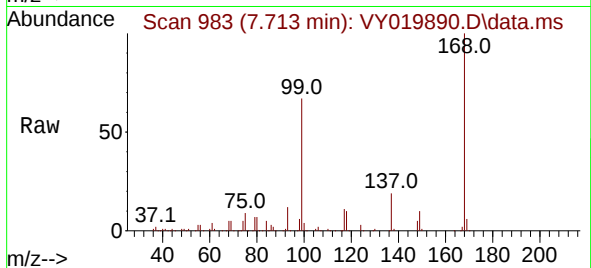




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

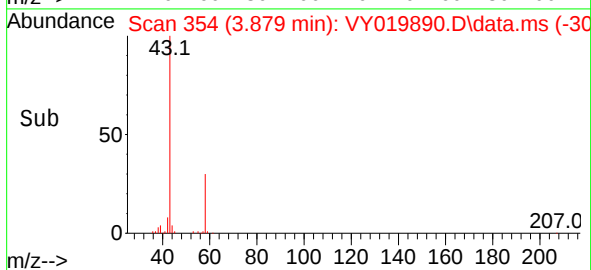
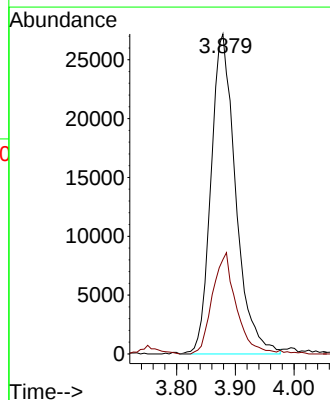
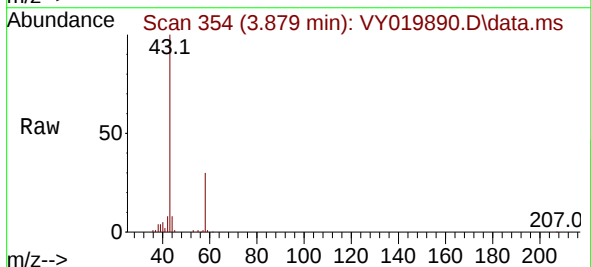
Instrument :
MSVOA_Y
ClientSampleId :
WB-301-TOP

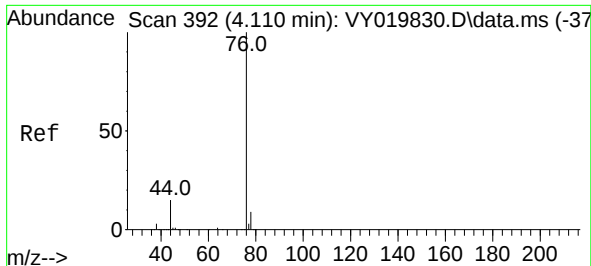
Tgt Ion:168 Resp: 258268
Ion Ratio Lower Upper
168 100
99 66.7 39.1 58.7#



#16
Acetone
Concen: 95.989 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion: 43 Resp: 79461
Ion Ratio Lower Upper
43 100
58 29.5 31.7 47.5#

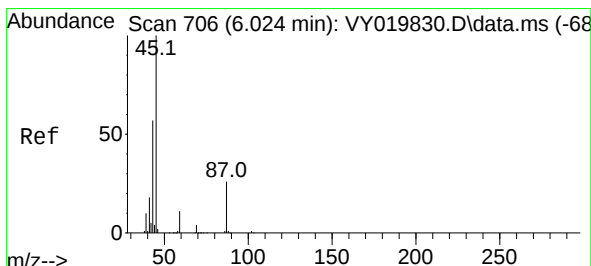
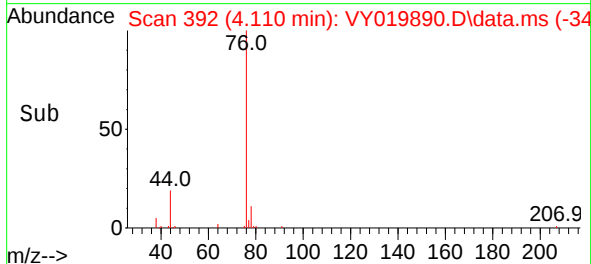
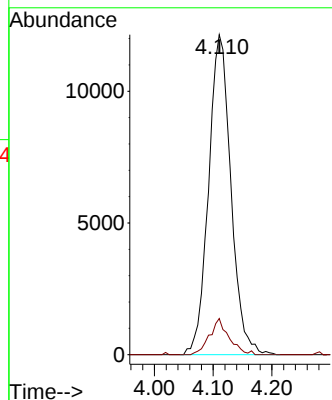
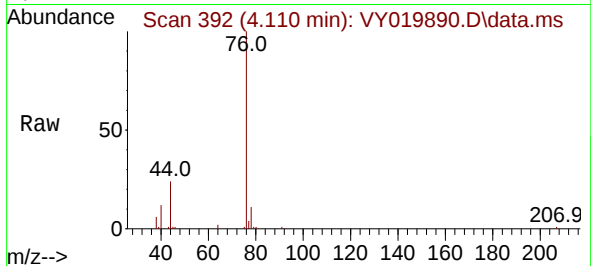




#17
Carbon Disulfide
Concen: 4.330 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

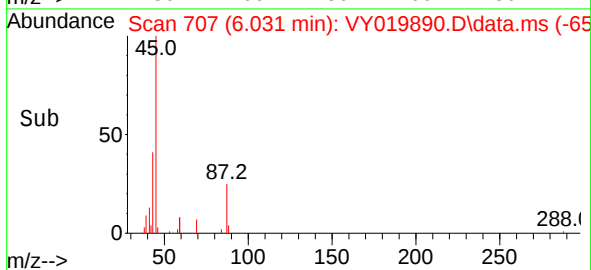
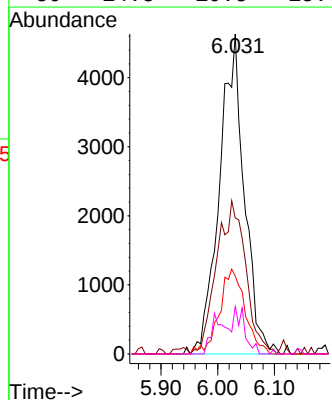
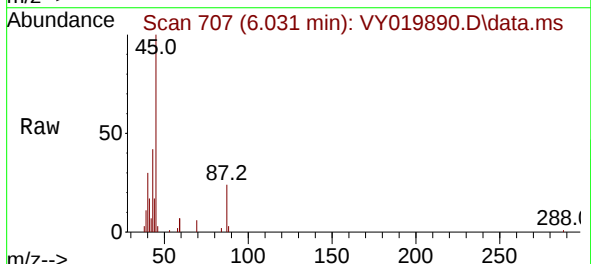
Instrument :
MSVOA_Y
ClientSampleId :
WB-301-TOP

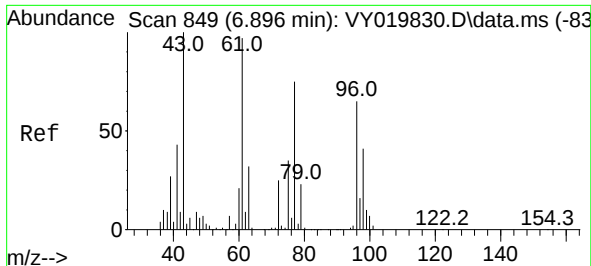
Tgt Ion: 76 Resp: 32155
Ion Ratio Lower Upper
76 100
78 11.3 6.8 10.2#



#22
Diisopropyl ether
Concen: 1.298 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.013 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion: 45 Resp: 14136
Ion Ratio Lower Upper
45 100
43 41.0 42.2 63.2#
87 24.4 25.0 37.6#
59 14.8 10.5 15.7

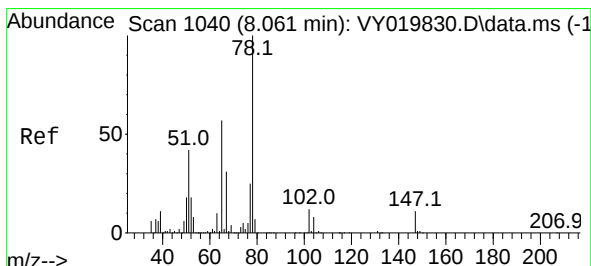
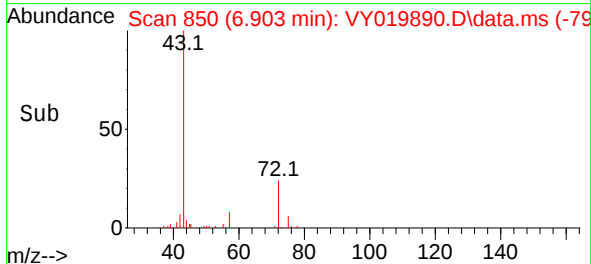
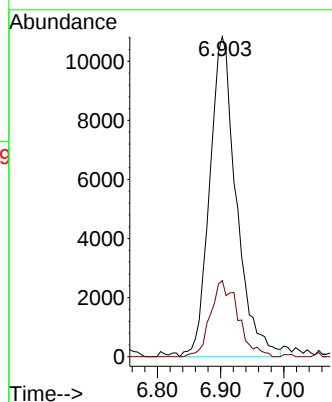
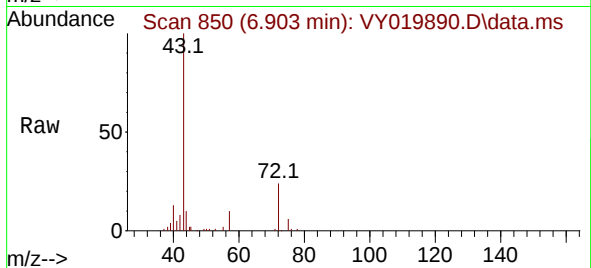




#25
2-Butanone
Concen: 28.698 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

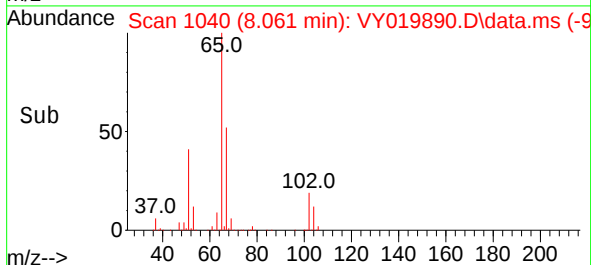
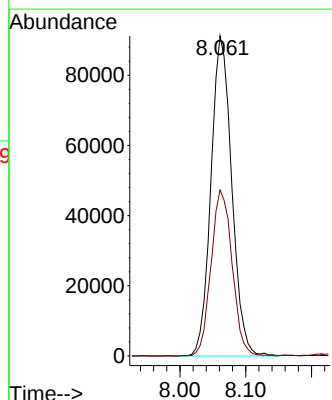
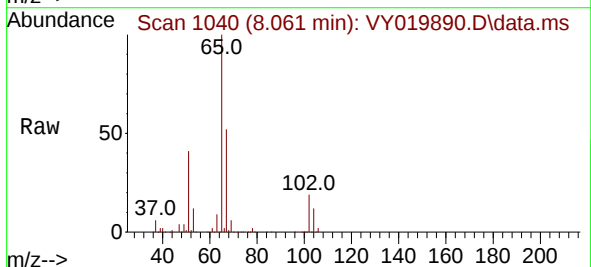
Instrument :
MSVOA_Y
ClientSampleId :
WB-301-TOP

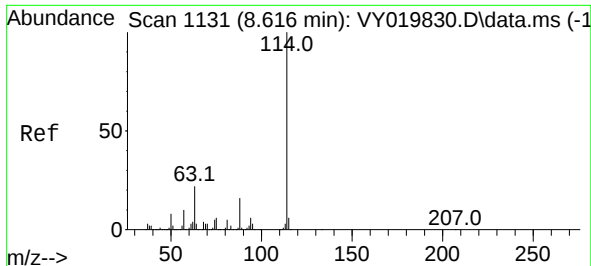
Tgt Ion: 43 Resp: 31799
Ion Ratio Lower Upper
43 100
72 23.8 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 63.148 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion: 65 Resp: 200812
Ion Ratio Lower Upper
65 100
67 52.6 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: VY019890.D

Acq: 14 Oct 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

WB-301-TOP

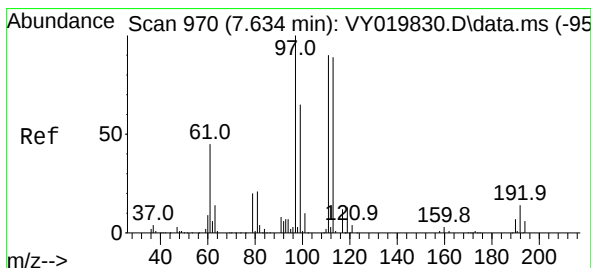
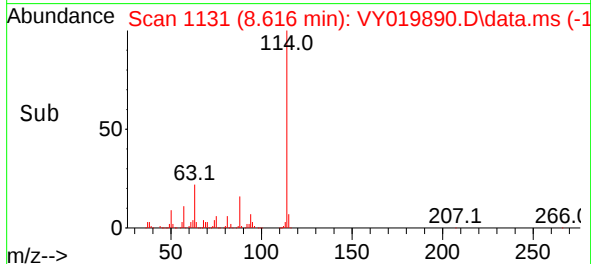
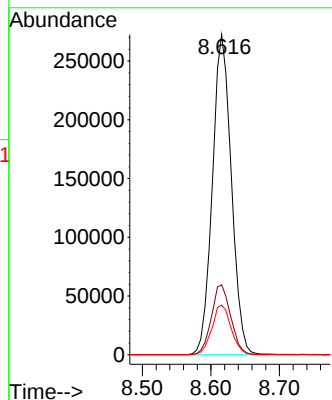
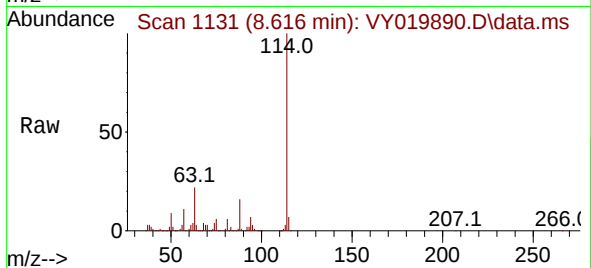
Tgt Ion:114 Resp: 523100

Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.0

88 15.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.780 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019890.D

Acq: 14 Oct 2024 14:31

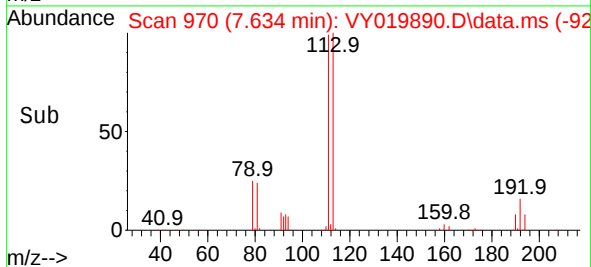
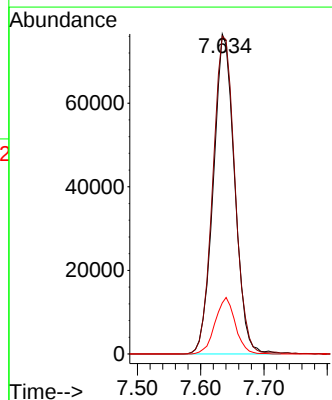
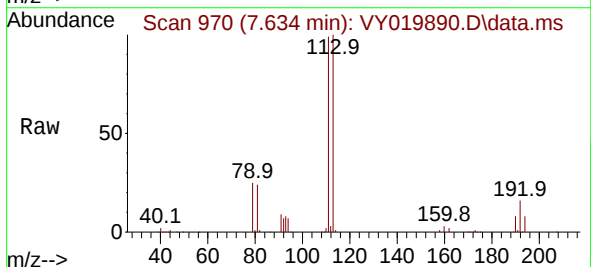
Tgt Ion:113 Resp: 178738

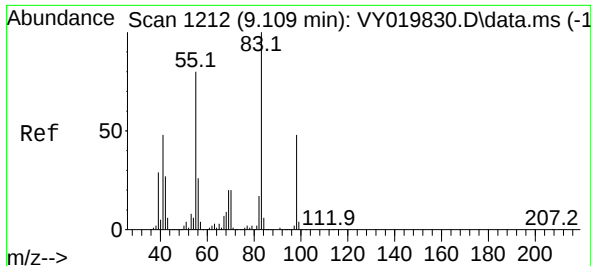
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 16.7 15.9 23.9

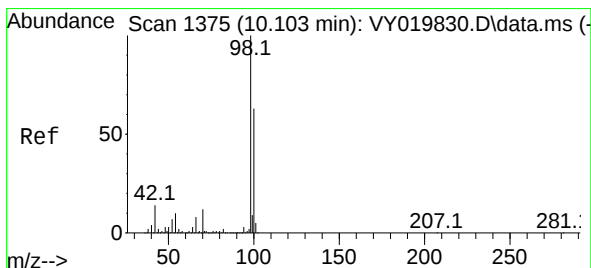
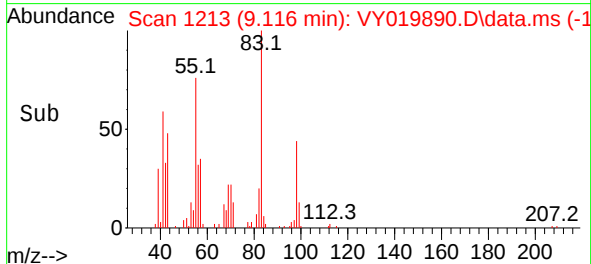
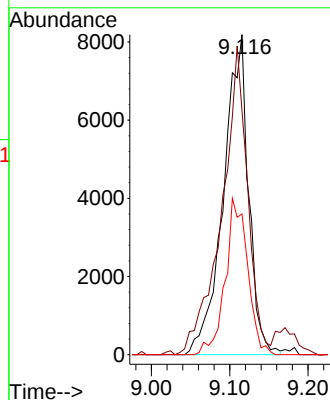
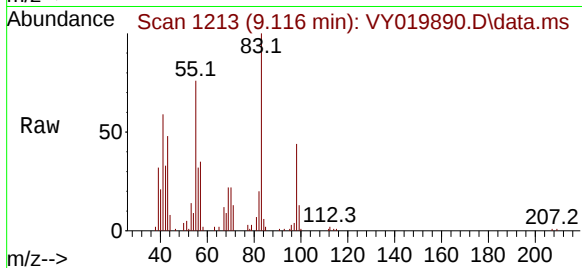




#39
Methylcyclohexane
Concen: 2.915 ug/l
RT: 9.116 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

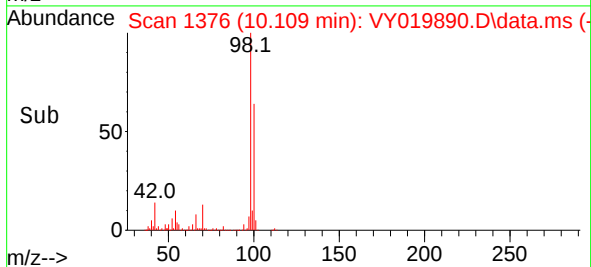
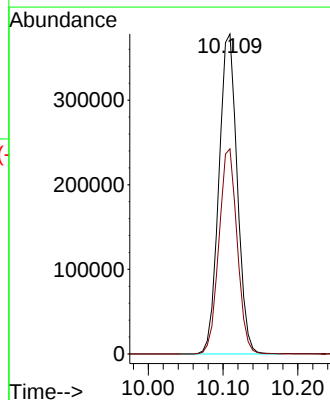
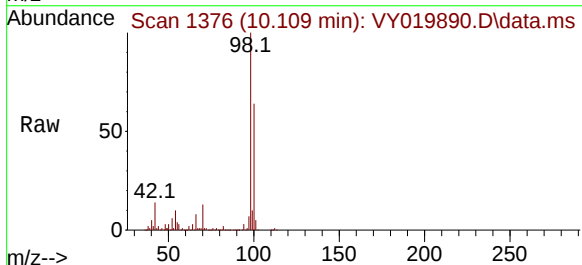
Instrument :
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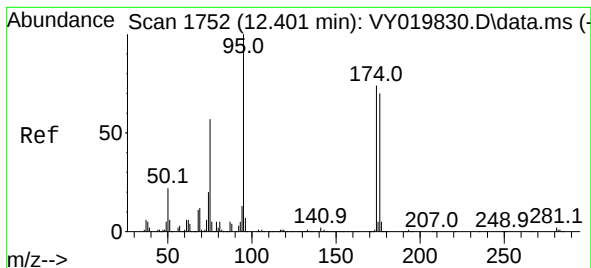
Tgt Ion: 83 Resp: 18263
Ion Ratio Lower Upper
83 100
55 75.6 51.5 77.3
98 43.9 40.5 60.7



#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion: 98 Resp: 645964
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

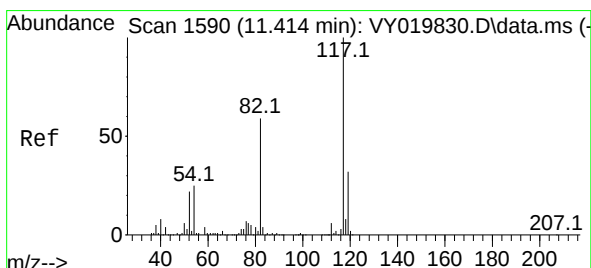
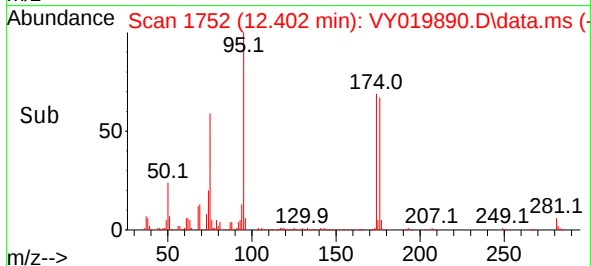
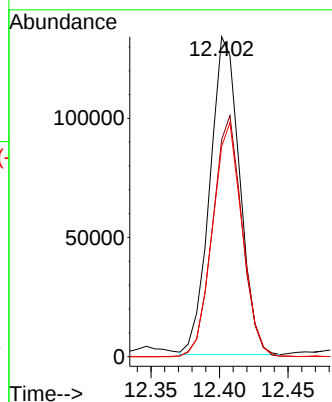
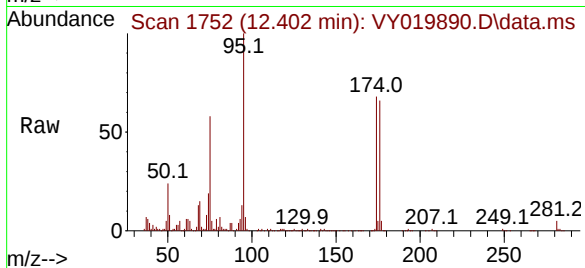




#62
4-Bromofluorobenzene
Concen: 43.892 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

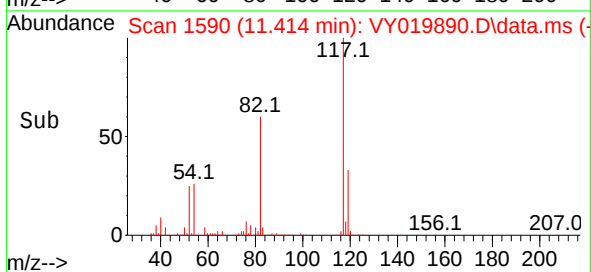
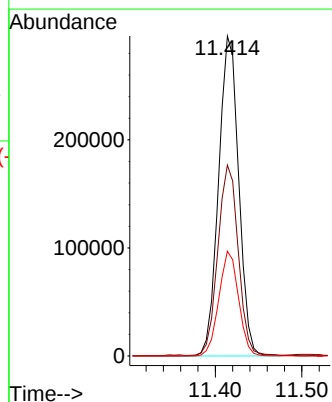
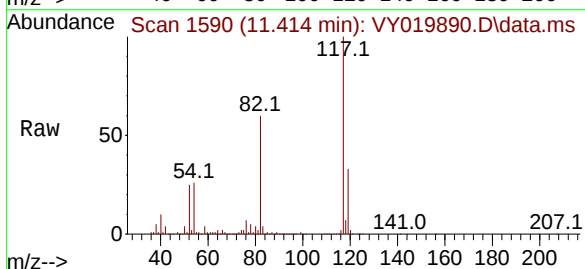
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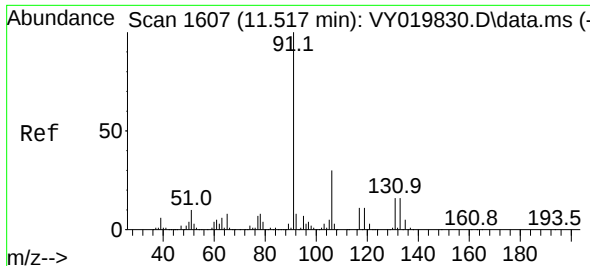
Tgt Ion: 95 Resp: 202166
Ion Ratio Lower Upper
95 100
174 74.5 0.0 175.6
176 73.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion:117 Resp: 477257
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.8 25.9 38.9





#67

Ethyl Benzene

Concen: 2.962 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019890.D

Acq: 14 Oct 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

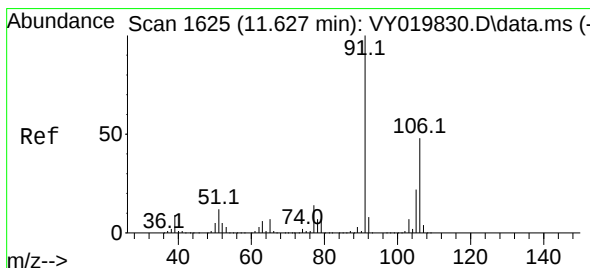
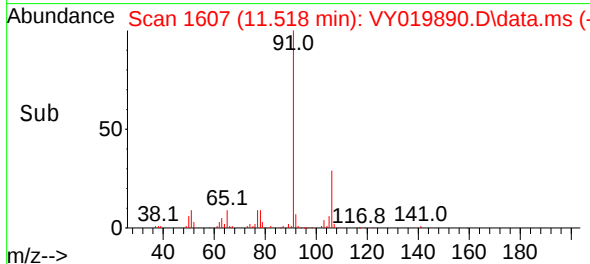
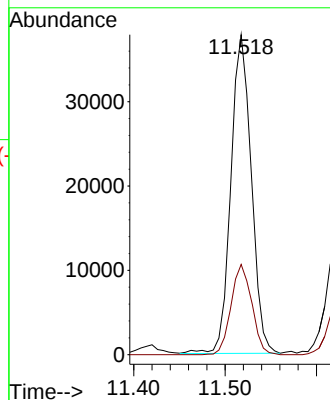
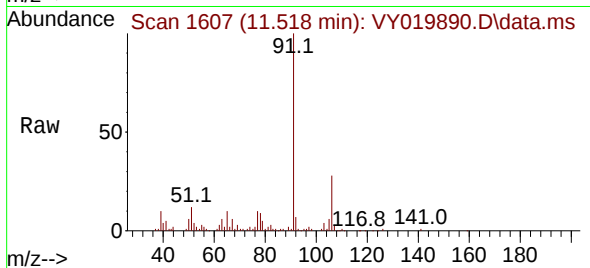
WB-301-TOP

Tgt Ion: 91 Resp: 58733

Ion Ratio Lower Upper

91 100

106 28.3 24.5 36.7



#68

m/p-Xylenes

Concen: 2.411 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019890.D

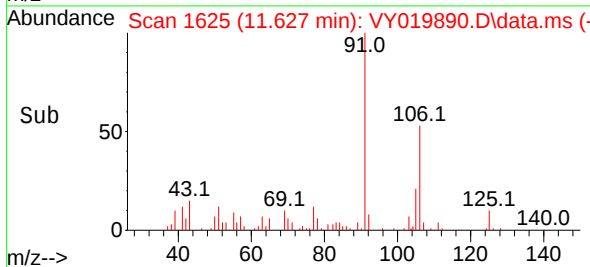
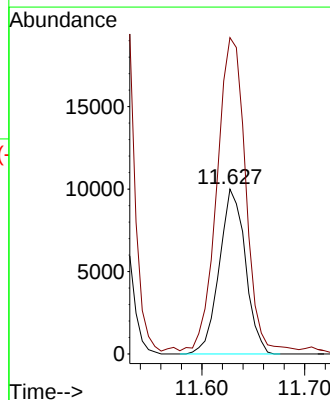
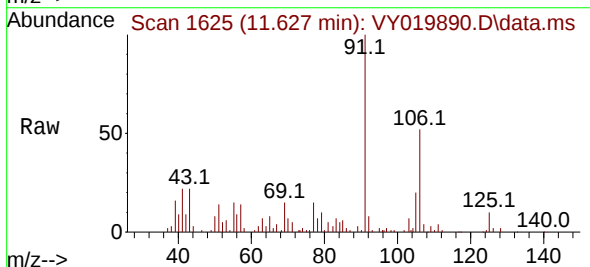
Acq: 14 Oct 2024 14:31

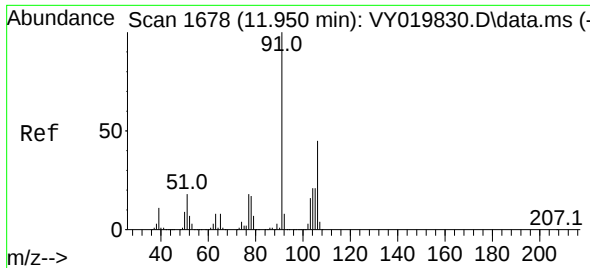
Tgt Ion:106 Resp: 17656

Ion Ratio Lower Upper

106 100

91 206.5 156.0 234.0

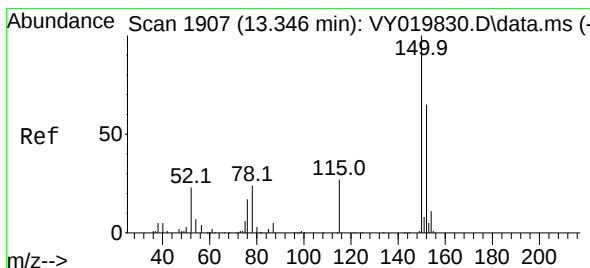
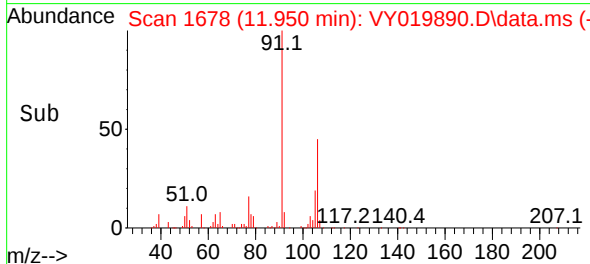
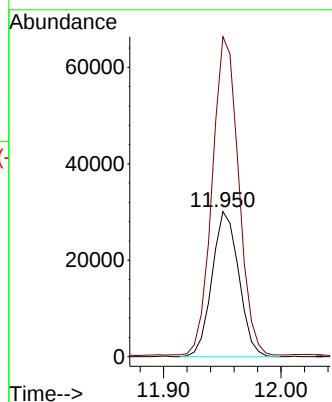
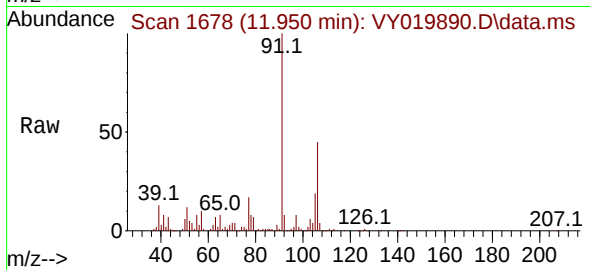




#69
o-Xylene
Concen: 6.751 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

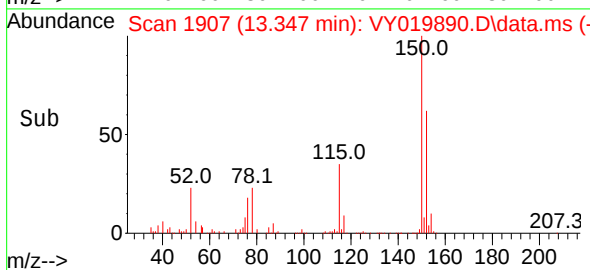
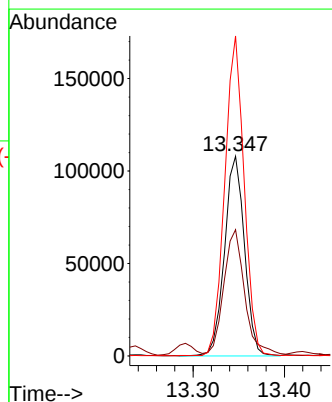
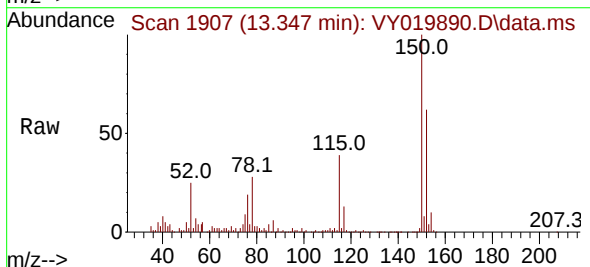
Instrument :
MSVOA_Y
ClientSampleId :
WB-301-TOP

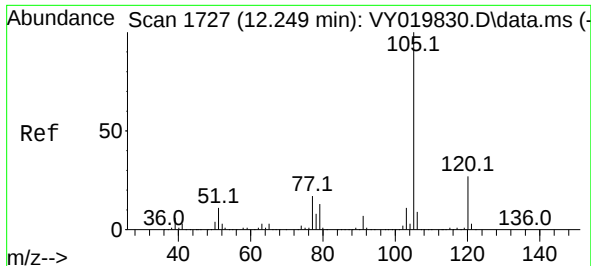
Tgt Ion:106 Resp: 47505
Ion Ratio Lower Upper
106 100
91 217.1 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion:152 Resp: 164219
Ion Ratio Lower Upper
152 100
115 64.8 28.2 84.7
150 154.9 0.0 345.6

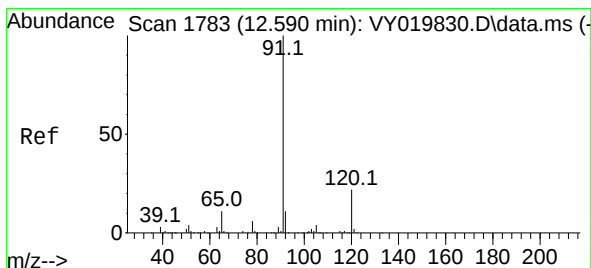
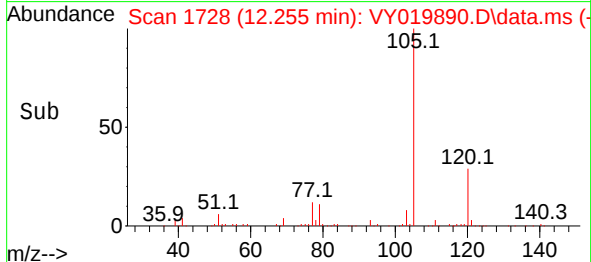
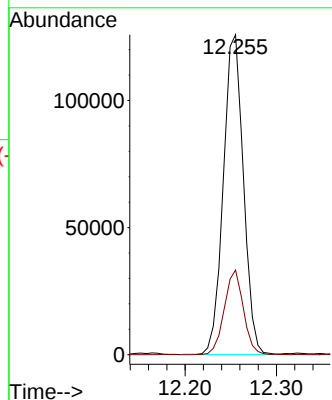
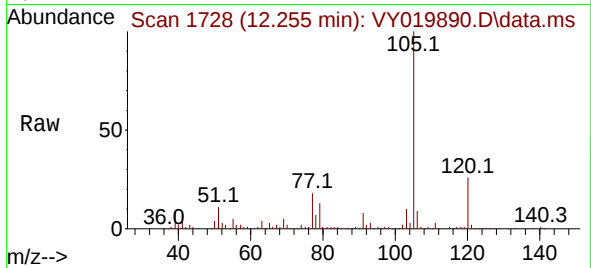




#73
Isopropylbenzene
Concen: 13.921 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

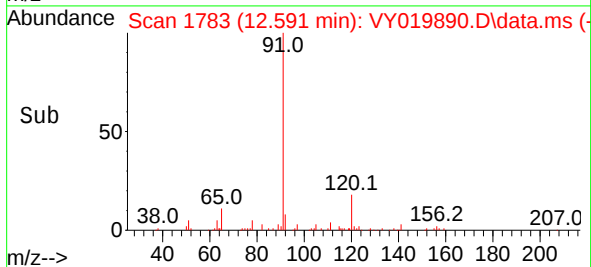
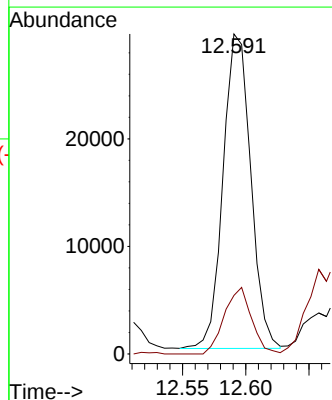
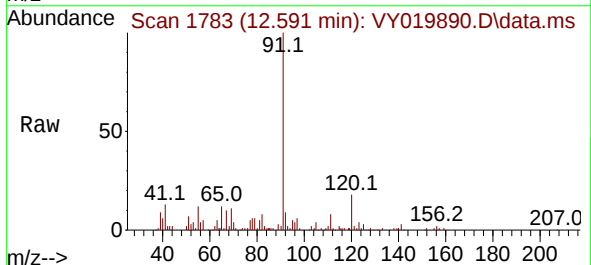
Instrument :
MSVOA_Y
ClientSampleId :
WB-301-TOP

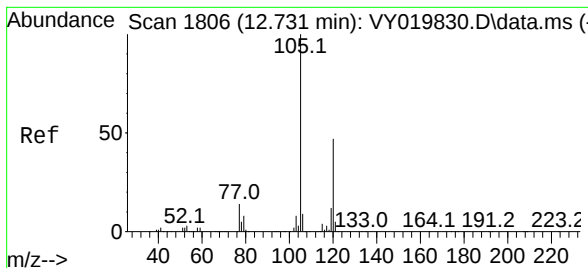
Tgt Ion:105 Resp: 192294
Ion Ratio Lower Upper
105 100
120 25.1 13.4 40.1



#78
n-propylbenzene
Concen: 2.664 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY019890.D
Acq: 14 Oct 2024 14:31

Tgt Ion: 91 Resp: 44469
Ion Ratio Lower Upper
91 100
120 20.7 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 8.257 ug/l

RT: 12.737 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VY019890.D

Acq: 14 Oct 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

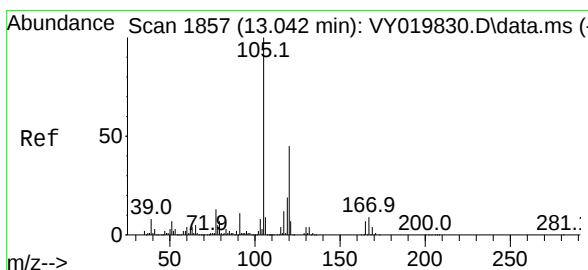
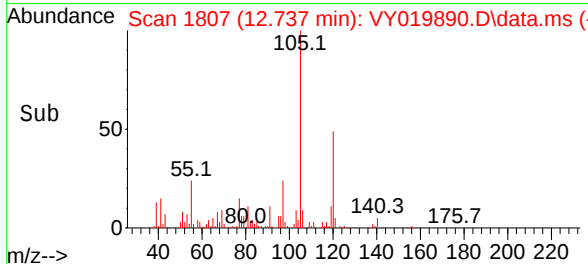
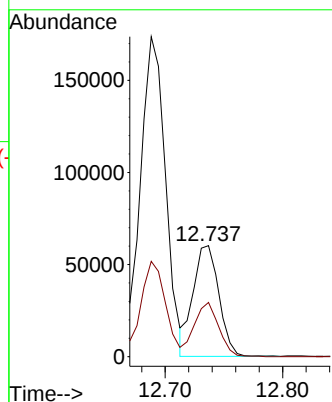
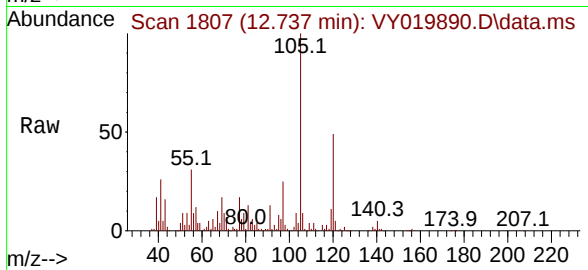
WB-301-TOP

Tgt Ion:105 Resp: 92114

Ion Ratio Lower Upper

105 100

120 46.5 25.1 75.2



#84

1,2,4-Trimethylbenzene

Concen: 26.045 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019890.D

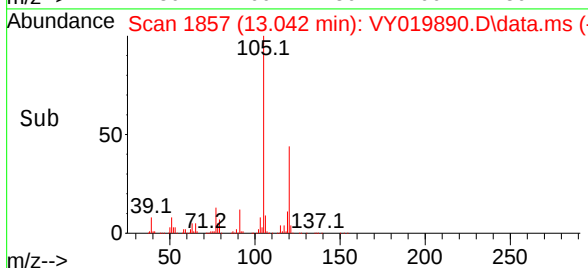
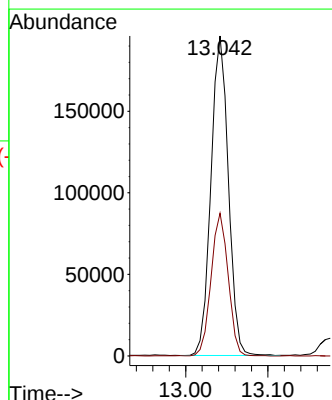
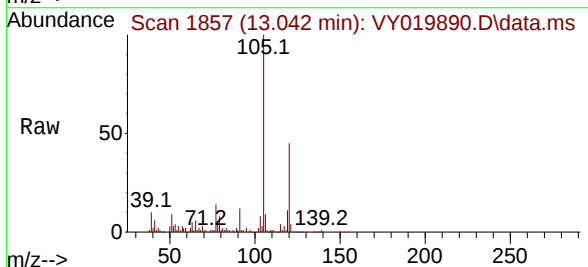
Acq: 14 Oct 2024 14:31

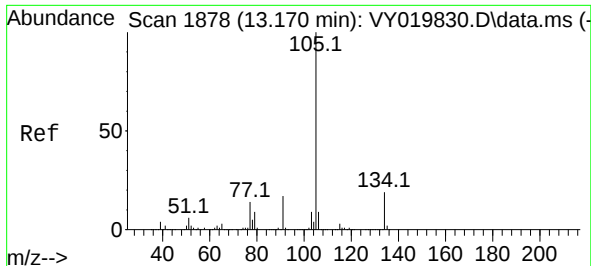
Tgt Ion:105 Resp: 288058

Ion Ratio Lower Upper

105 100

120 43.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.074 ug/l

RT: 13.176 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VY019890.D

Acq: 14 Oct 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

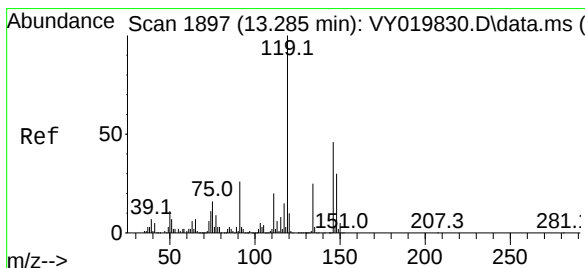
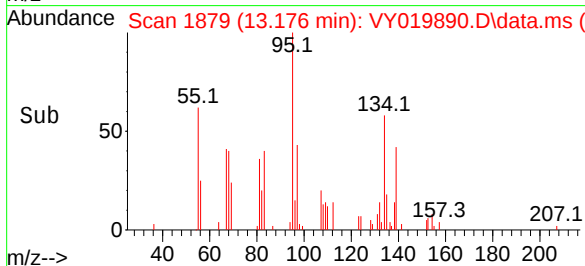
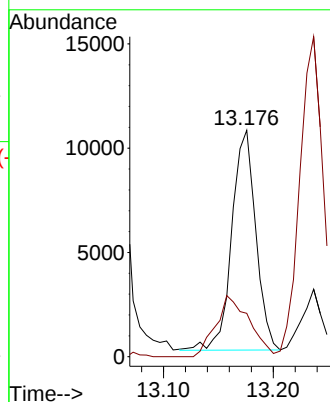
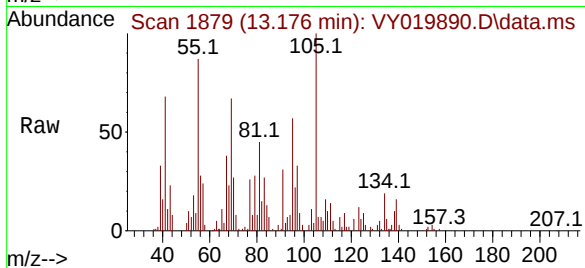
WB-301-TOP

Tgt Ion:105 Resp: 16043

Ion Ratio Lower Upper

105 100

134 38.8 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 9.275 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY019890.D

Acq: 14 Oct 2024 14:31

Tgt Ion:119 Resp: 112455

Ion Ratio Lower Upper

119 100

134 24.7 13.1 39.3

91 27.2 10.7 32.1

