

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011035.D
 Acq On : 20 Oct 2022 18:59
 Operator : KP/MD
 Sample : N5193-10
 Misc : 6.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-06-00-20

Quant Time: Oct 20 22:25:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

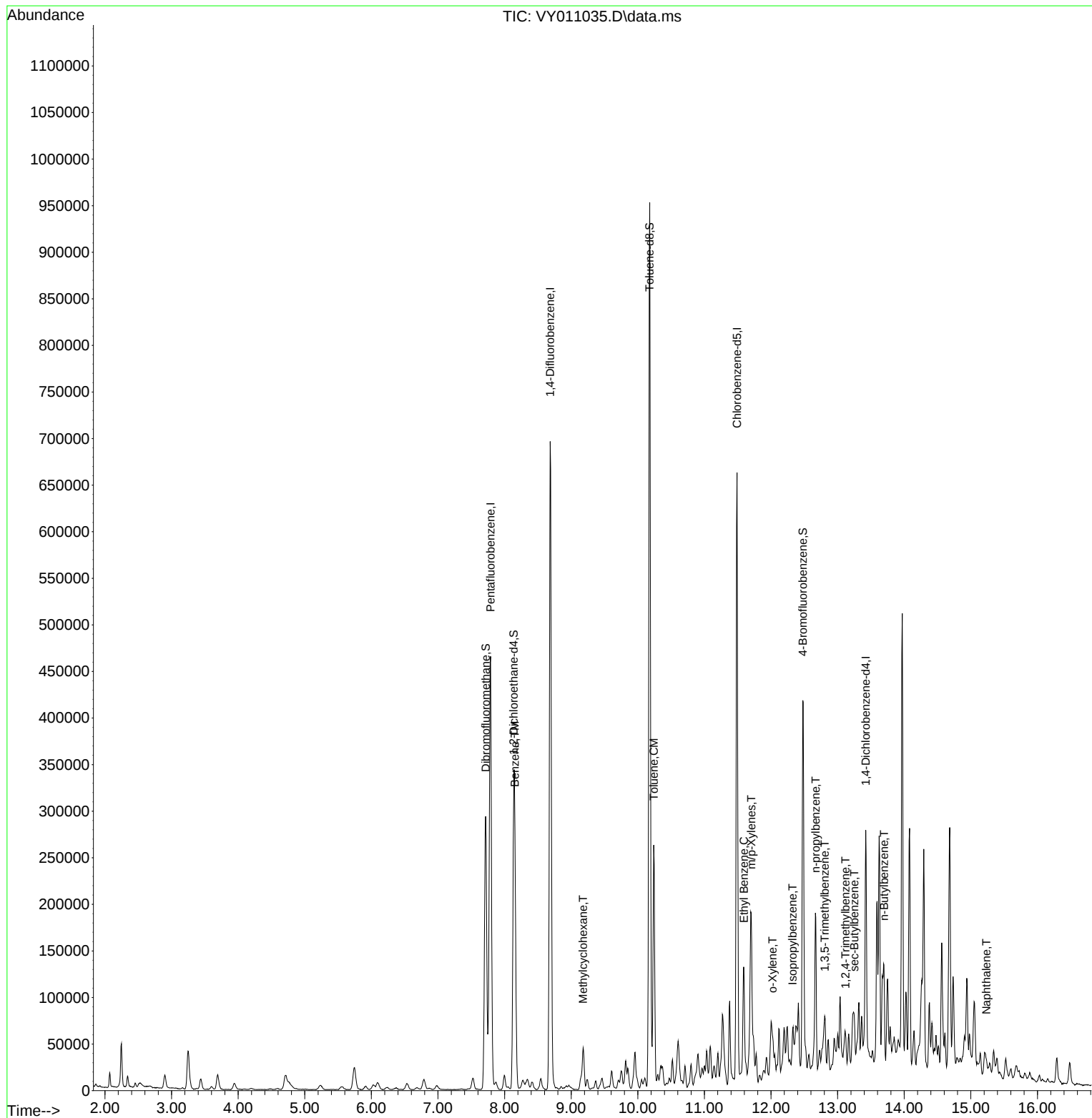
Internal Standards						
1) Pentafluorobenzene	7.789	168	365360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	616303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	359867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	68488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	206205	61.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.540%	
35) Dibromofluoromethane	7.716	113	211832	62.186	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.380%	
50) Toluene-d8	10.179	98	617568	47.991	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.980%	
62) 4-Bromofluorobenzene	12.477	95	120131	24.806	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 49.620%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.179	83	17673	2.572	ug/l	97
40) Benzene	8.155	78	151200	8.982	ug/l	96
52) Toluene	10.240	92	111174	10.631	ug/l	94
67) Ethyl Benzene	11.593	91	78824	6.031	ug/l	96
68) m/p-Xylenes	11.703	106	59623	11.858	ug/l	95
69) o-Xylene	12.026	106	6952	1.456	ug/l	96
73) Isopropylbenzene	12.325	105	27789	5.585	ug/l	98
78) n-propylbenzene	12.672	91	131949	21.796	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	4701	1.132	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	15987	3.905	ug/l	97
85) sec-Butylbenzene	13.251	105	27997	5.190	ug/l #	49
89) n-Butylbenzene	13.696	91	66524	15.907	ug/l #	83
95) Naphthalene	15.233	128	11482	4.542	ug/l	97

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

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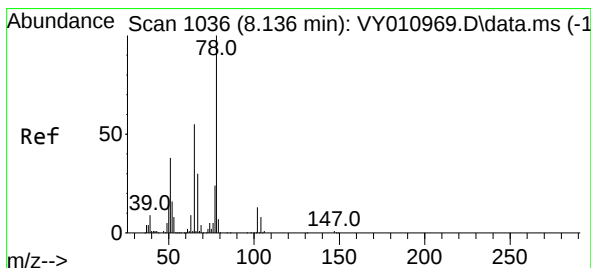
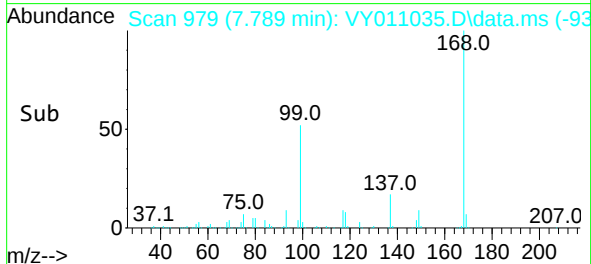
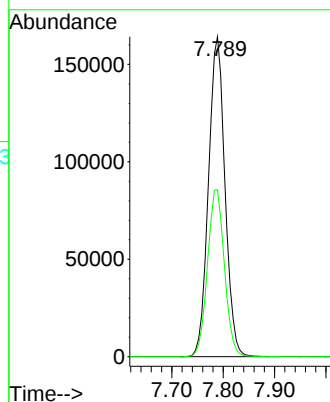
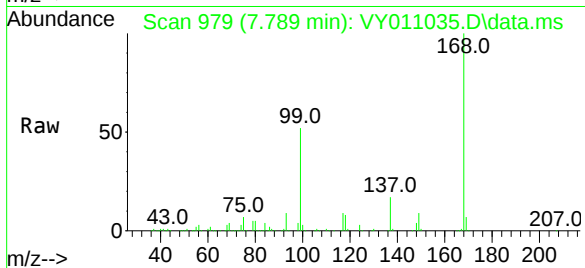




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

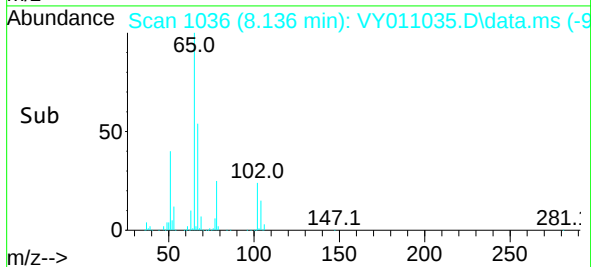
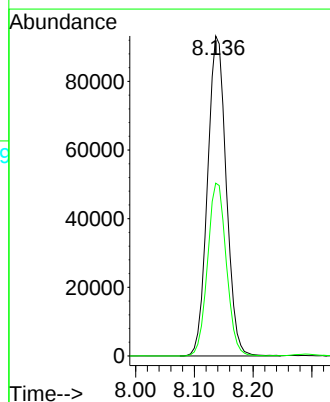
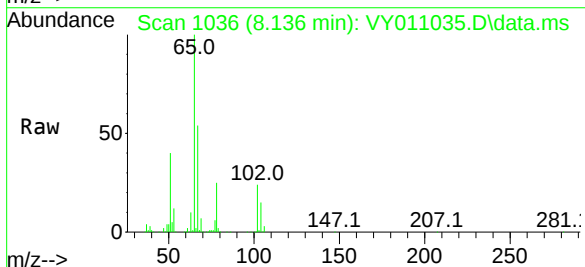
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-00-20

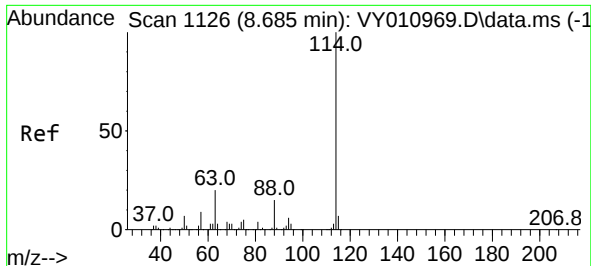
Tgt Ion:168 Resp: 365360
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 61.270 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

Tgt Ion: 65 Resp: 206205
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4

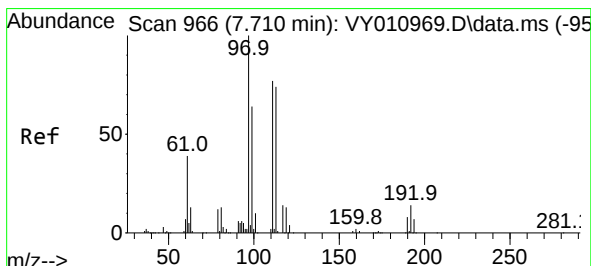
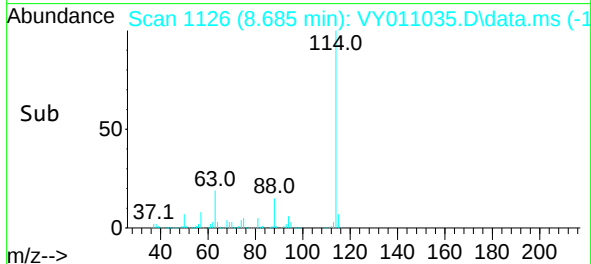
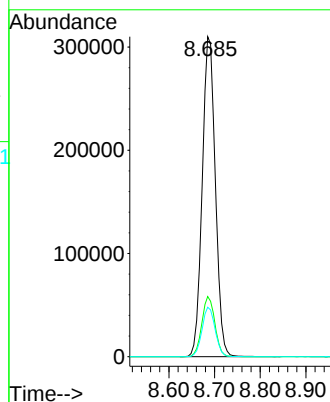
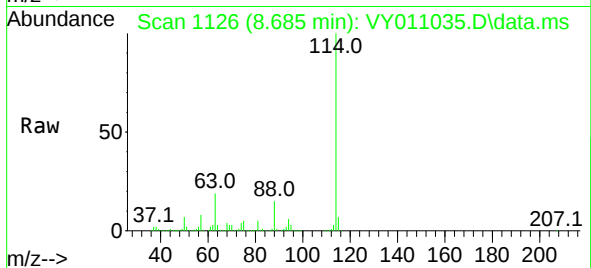




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

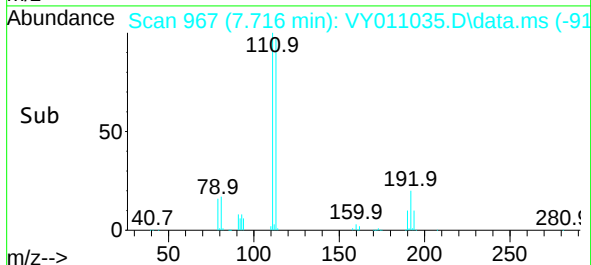
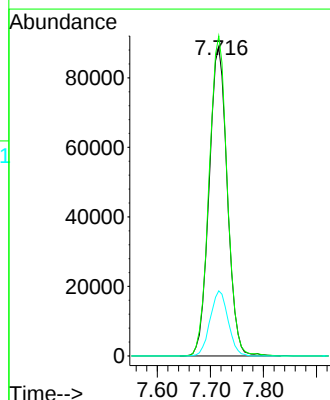
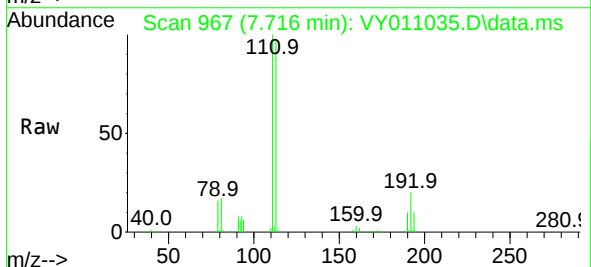
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-00-20

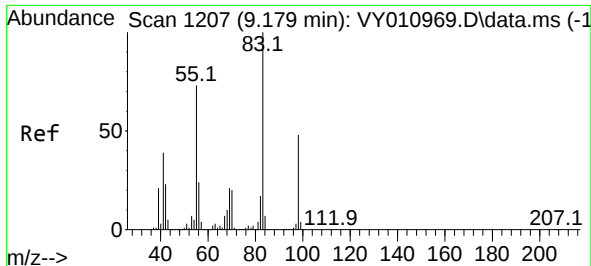
Tgt Ion:114 Resp: 616303
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.2
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 62.186 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

Tgt Ion:113 Resp: 211832
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.8 17.6 26.4





#39

Methylcyclohexane

Concen: 2.572 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011035.D

Acq: 20 Oct 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-06-00-20

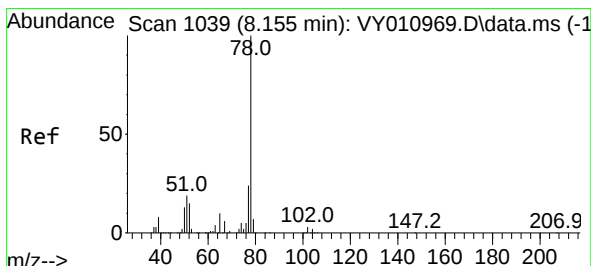
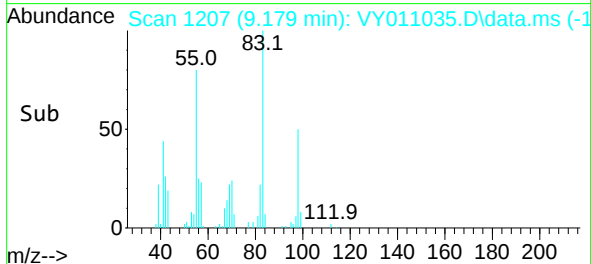
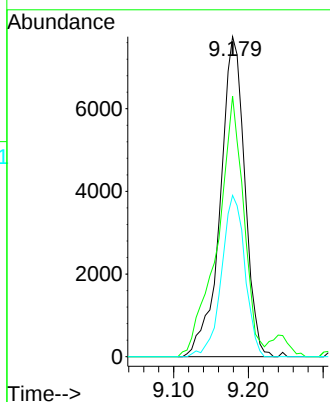
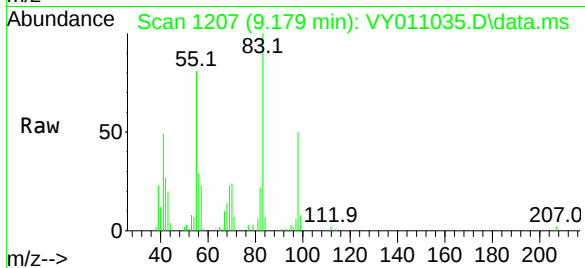
Tgt Ion: 83 Resp: 17673

Ion Ratio Lower Upper

83 100

55 81.5 66.5 99.7

98 50.4 37.9 56.9



#40

Benzene

Concen: 8.982 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY011035.D

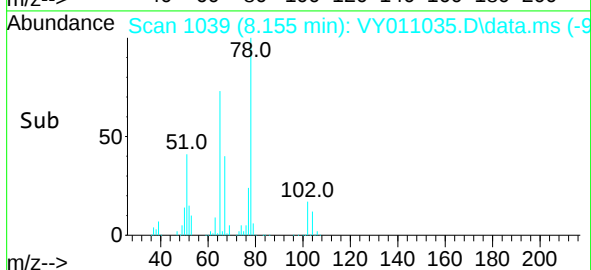
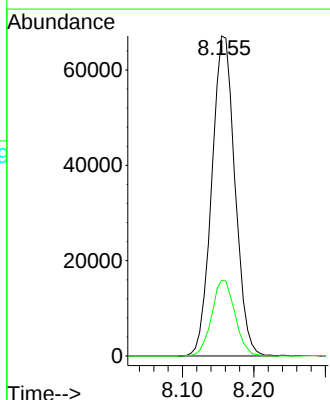
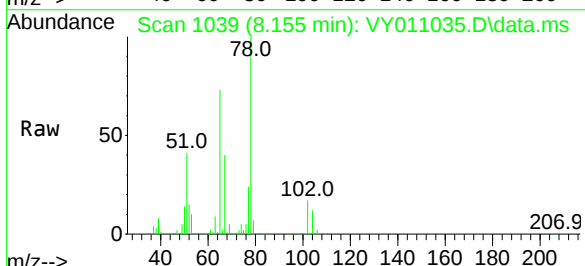
Acq: 20 Oct 2022 18:59

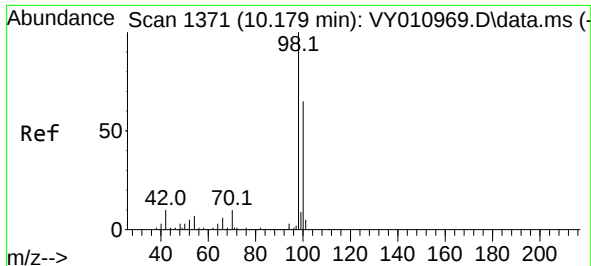
Tgt Ion: 78 Resp: 151200

Ion Ratio Lower Upper

78 100

77 23.7 20.4 30.6

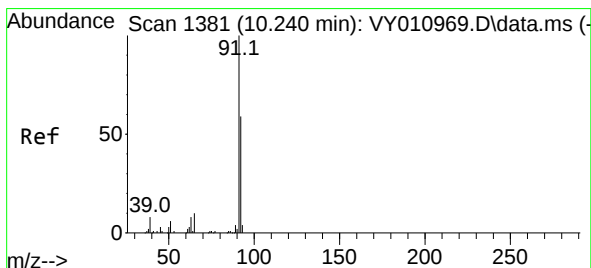
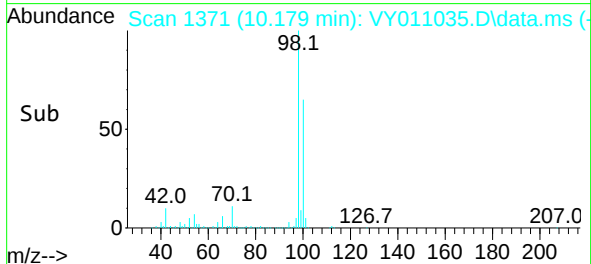
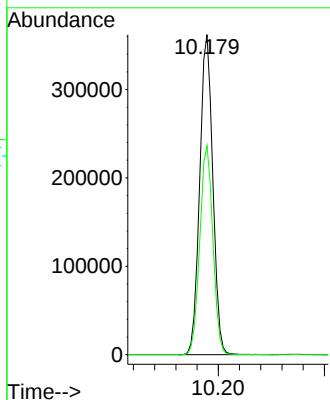
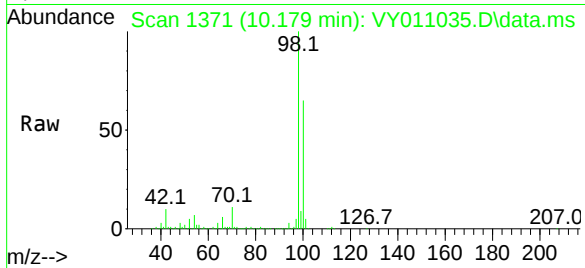




#50
Toluene-d8
Concen: 47.991 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

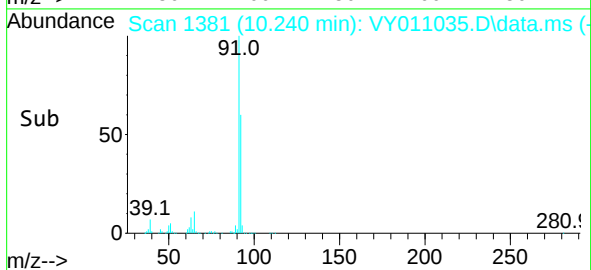
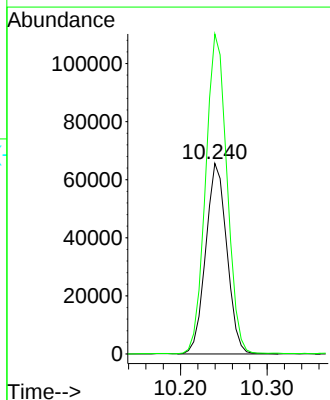
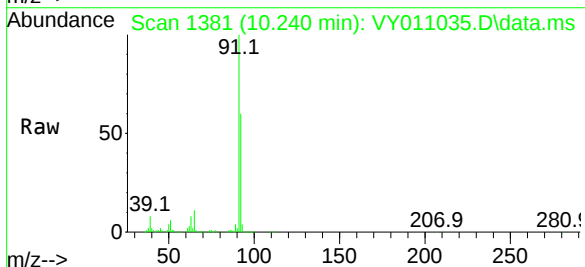
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-00-20

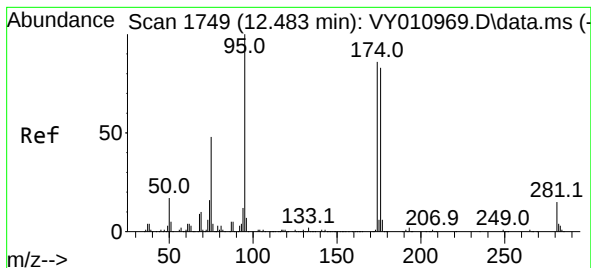
Tgt Ion: 98 Resp: 617568
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#52
Toluene
Concen: 10.631 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

Tgt Ion: 92 Resp: 111174
Ion Ratio Lower Upper
92 100
91 169.5 142.6 213.8

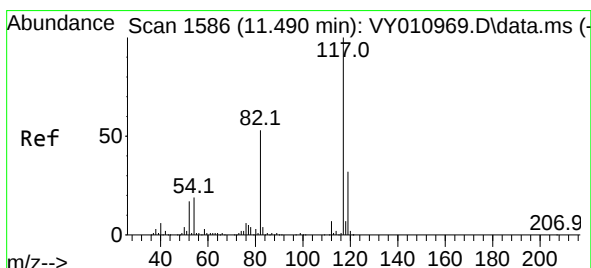
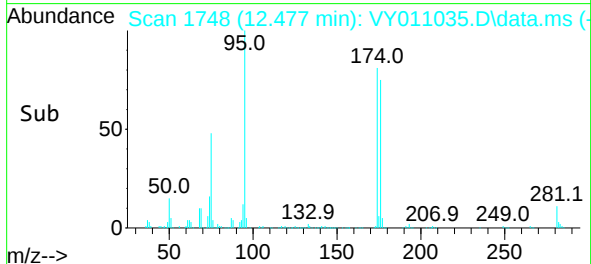
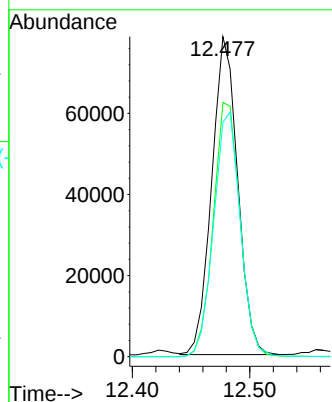
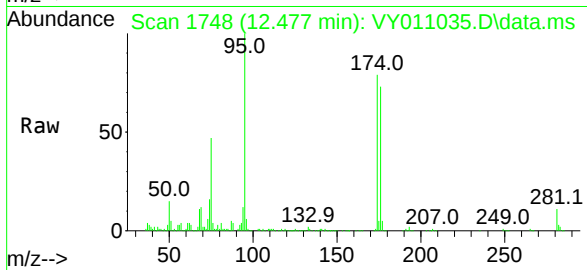




#62
4-Bromofluorobenzene
Concen: 24.806 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

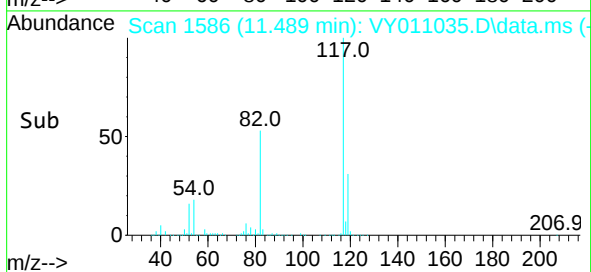
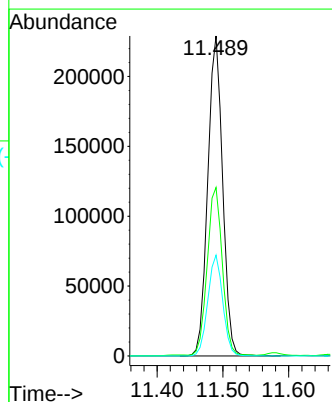
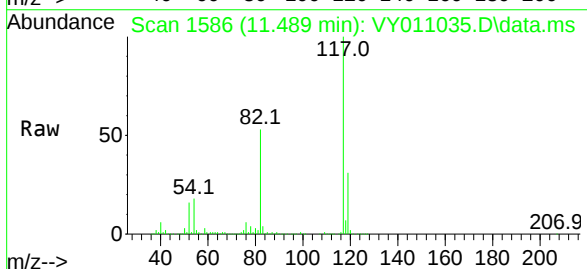
Instrument :
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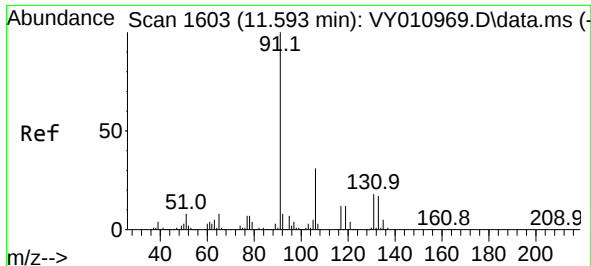
Tgt Ion: 95 Resp: 120131
Ion Ratio Lower Upper
95 100
174 82.1 0.0 177.0
176 79.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

Tgt Ion: 117 Resp: 359867
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.5 25.4 38.0





#67

Ethyl Benzene

Concen: 6.031 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY011035.D

Acq: 20 Oct 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

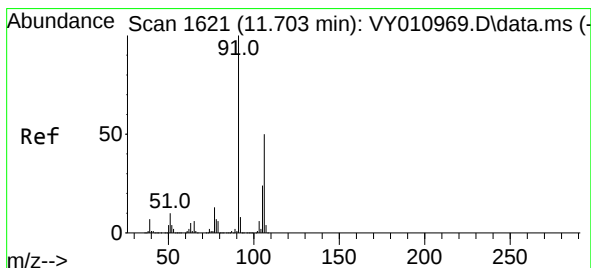
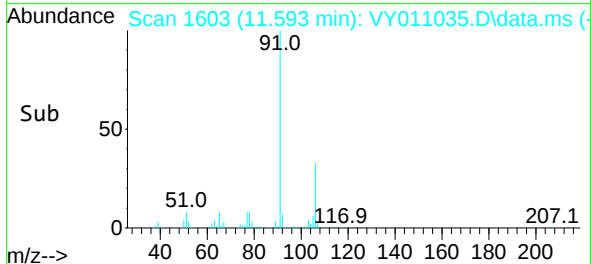
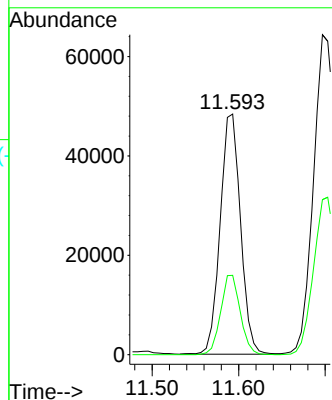
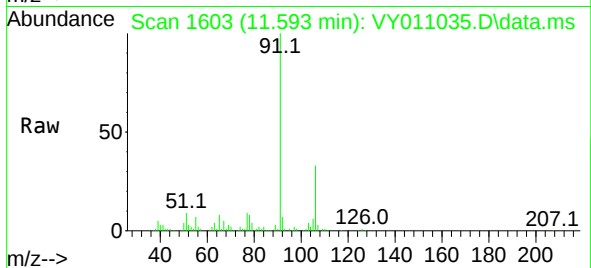
LSP-SS-06-00-20

Tgt Ion: 91 Resp: 78824

Ion Ratio Lower Upper

91 100

106 33.1 24.5 36.7



#68

m/p-Xylenes

Concen: 11.858 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY011035.D

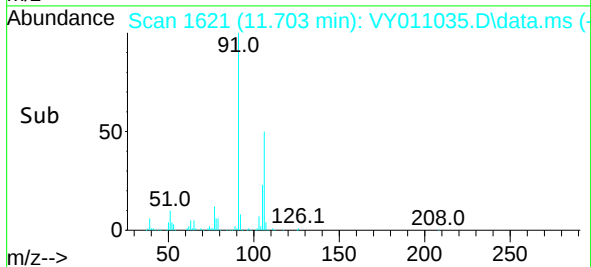
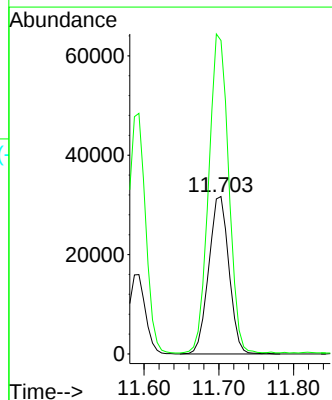
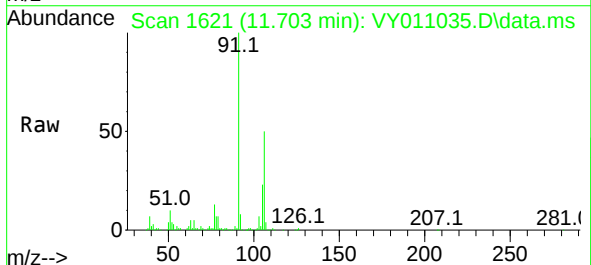
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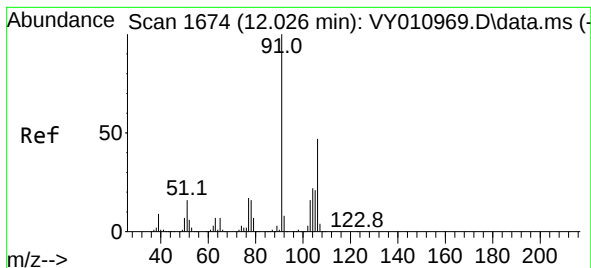
Tgt Ion:106 Resp: 59623

Ion Ratio Lower Upper

106 100

91 200.2 166.6 249.8





#69

o-Xylene

Concen: 1.456 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011035.D

Acq: 20 Oct 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

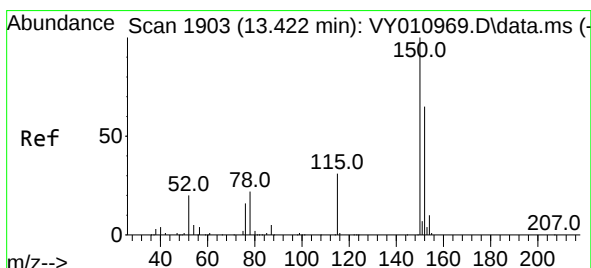
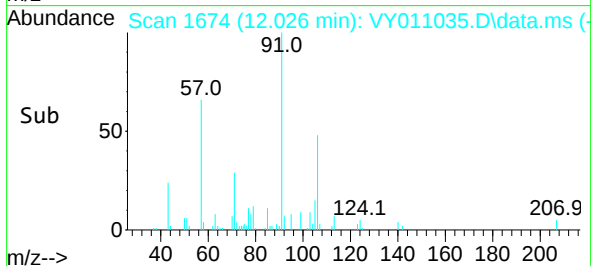
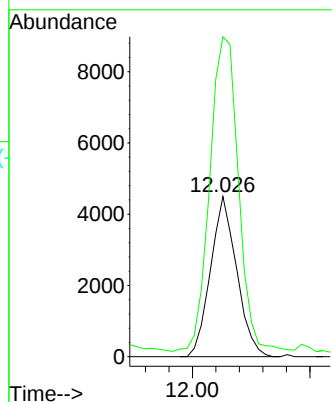
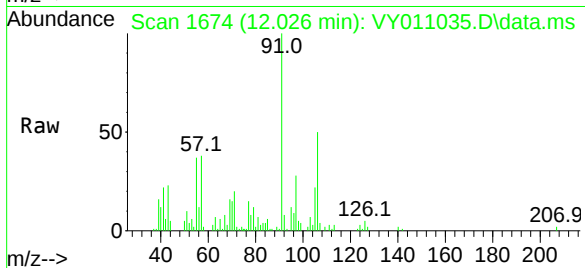
LSP-SS-06-00-20

Tgt Ion:106 Resp: 6952

Ion Ratio Lower Upper

106 100

91 214.8 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011035.D

Acq: 20 Oct 2022 18:59

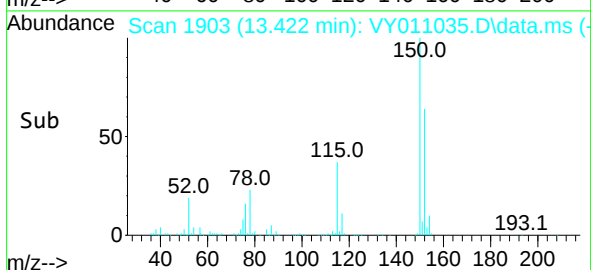
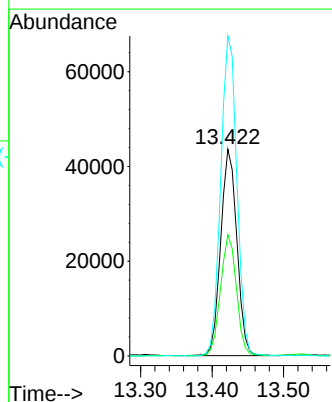
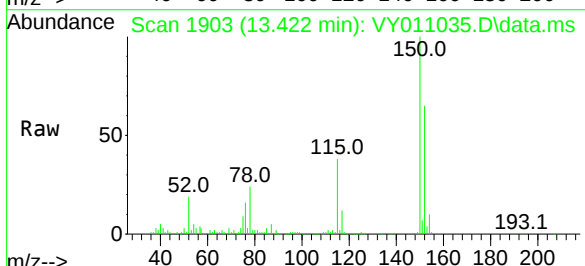
Tgt Ion:152 Resp: 68488

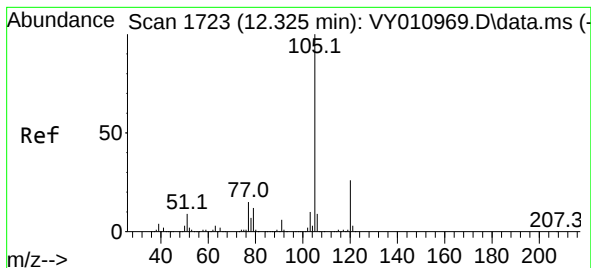
Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.7

150 155.1 0.0 347.6





#73

Isopropylbenzene

Concen: 5.585 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY011035.D

Acq: 20 Oct 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

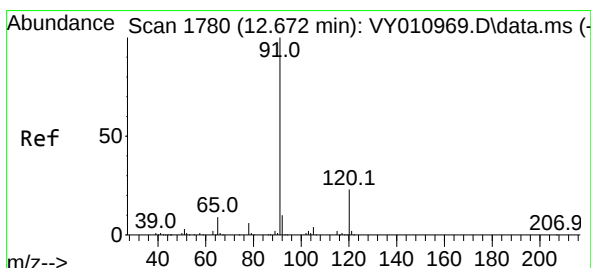
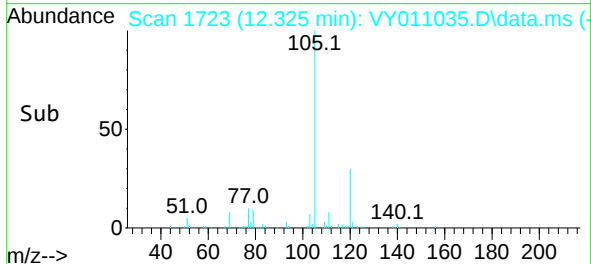
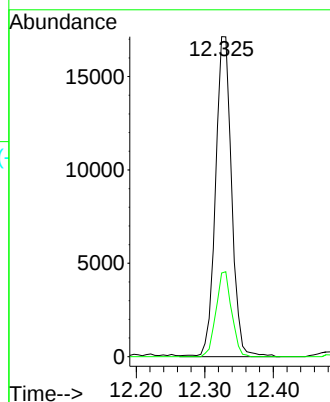
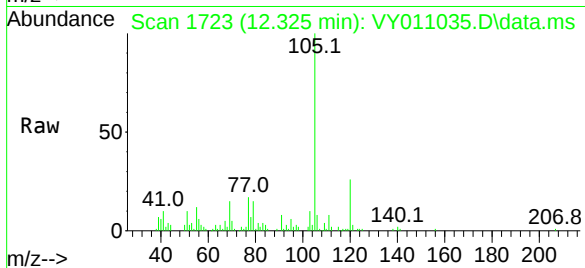
LSP-SS-06-00-20

Tgt Ion:105 Resp: 27789

Ion Ratio Lower Upper

105 100

120 25.7 13.4 40.2



#78

n-propylbenzene

Concen: 21.796 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY011035.D

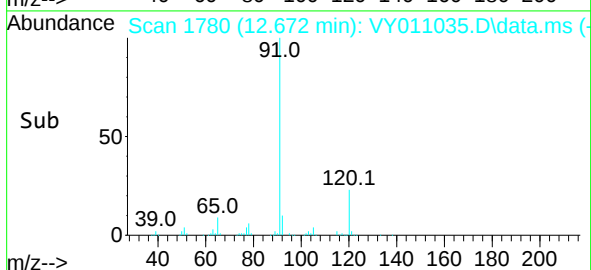
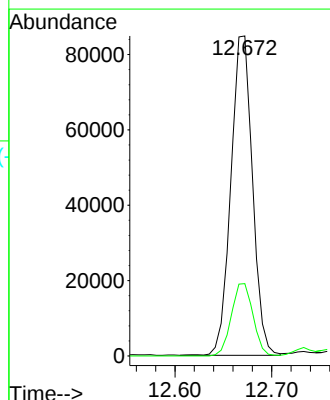
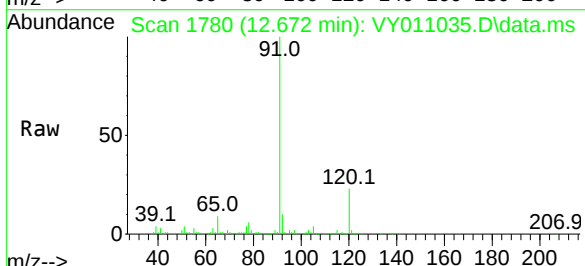
Acq: 20 Oct 2022 18:59

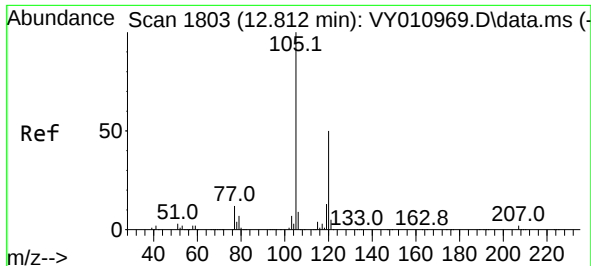
Tgt Ion: 91 Resp: 131949

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9

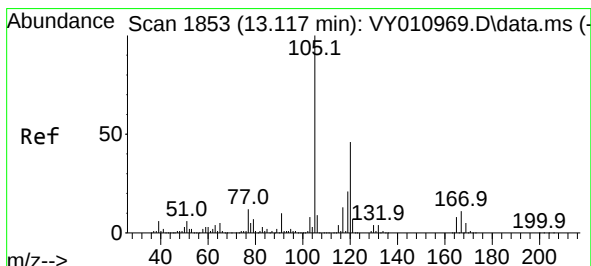
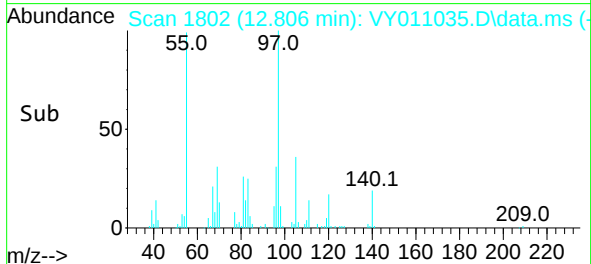
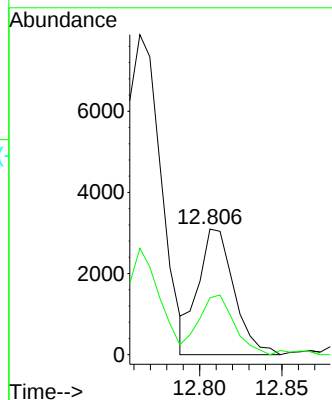
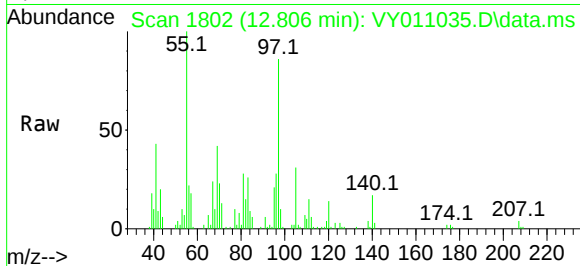




#80
1,3,5-Trimethylbenzene
Concen: 1.132 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

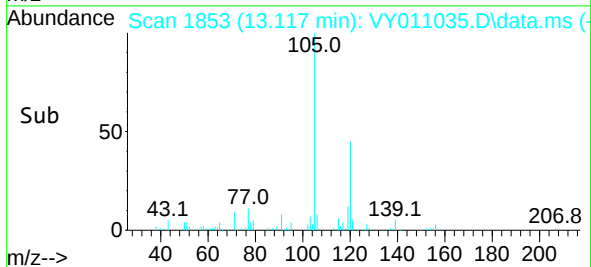
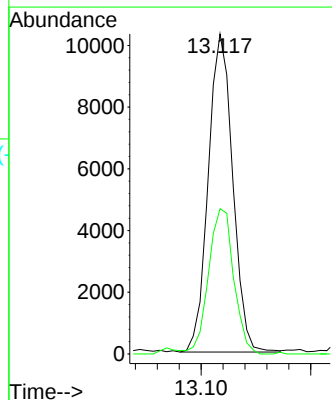
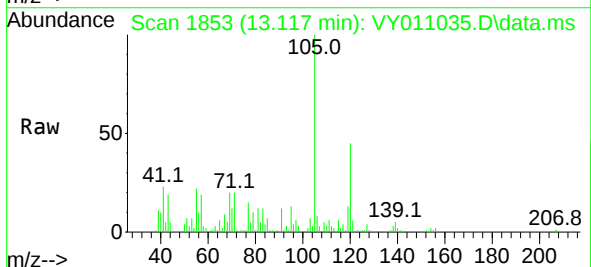
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-00-20

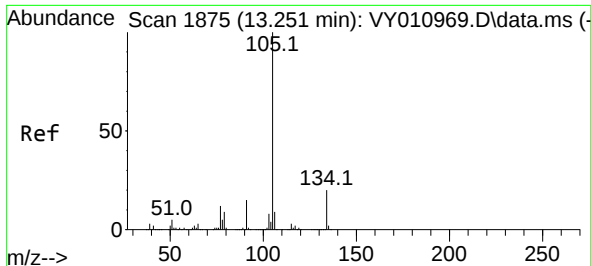
Tgt Ion:105 Resp: 4701
Ion Ratio Lower Upper
105 100
120 47.0 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 3.905 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011035.D
Acq: 20 Oct 2022 18:59

Tgt Ion:105 Resp: 15987
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.9

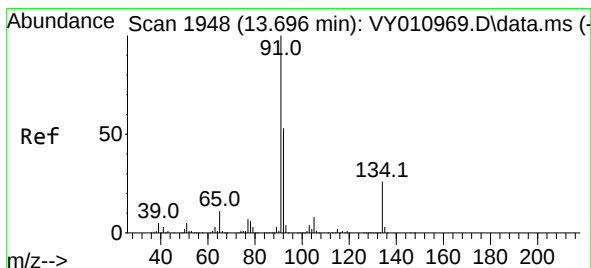
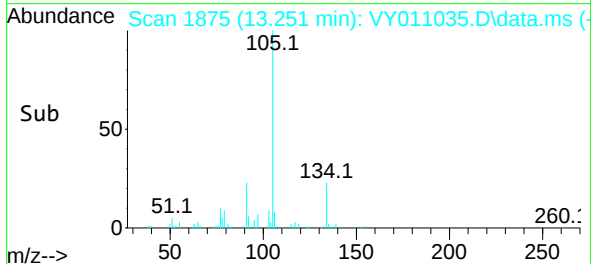
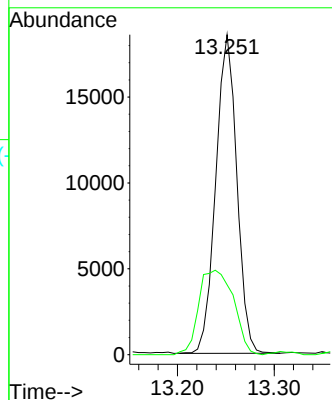
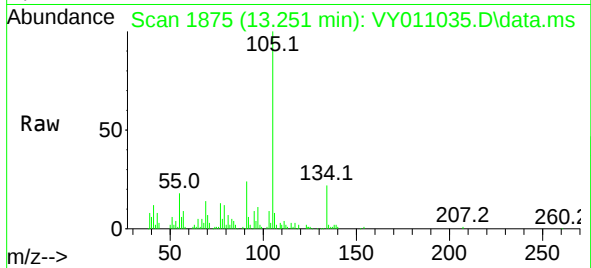




#85
 sec-Butylbenzene
 Concen: 5.190 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY011035.D
 Acq: 20 Oct 2022 18:59

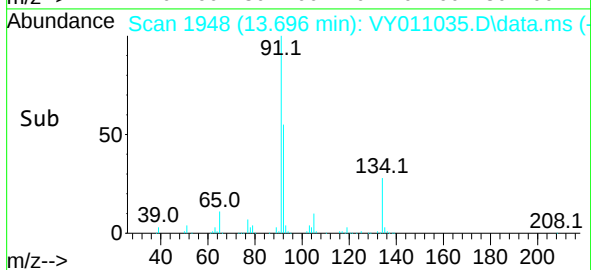
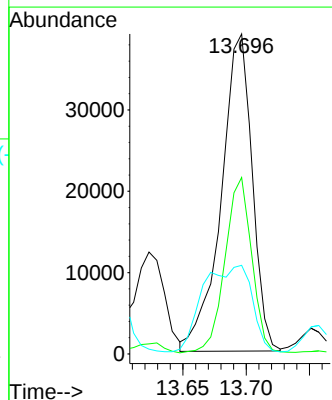
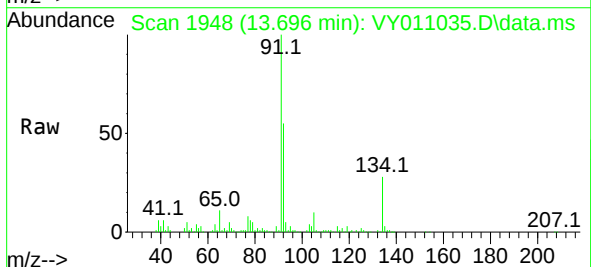
Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-06-00-20

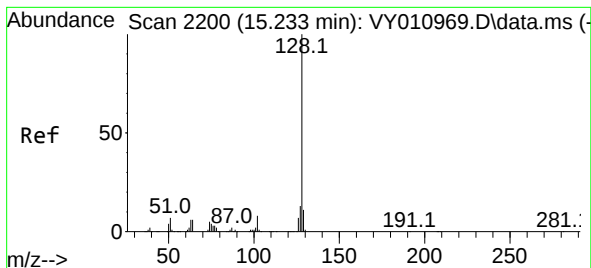
Tgt Ion:105 Resp: 27997
 Ion Ratio Lower Upper
 105 100
 134 43.9 10.2 30.4#



#89
 n-Butylbenzene
 Concen: 15.907 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY011035.D
 Acq: 20 Oct 2022 18:59

Tgt Ion: 91 Resp: 66524
 Ion Ratio Lower Upper
 91 100
 92 47.7 26.3 78.9
 134 44.5 13.0 38.9#





#95

Naphthalene

Concen: 4.542 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011035.D

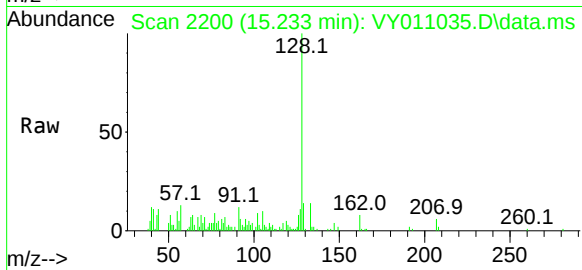
Acq: 20 Oct 2022 18:59

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-06-00-20



Tgt Ion:128 Resp: 11482

Ion Ratio Lower Upper

128 100

127 12.6 11.0 16.4

129 11.4 8.4 12.6

