

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102122\
 Data File : VY011044.D
 Acq On : 21 Oct 2022 12:51
 Operator : KP/MD
 Sample : N5193-14
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-07-20-40

Quant Time: Oct 22 01:22:30 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)

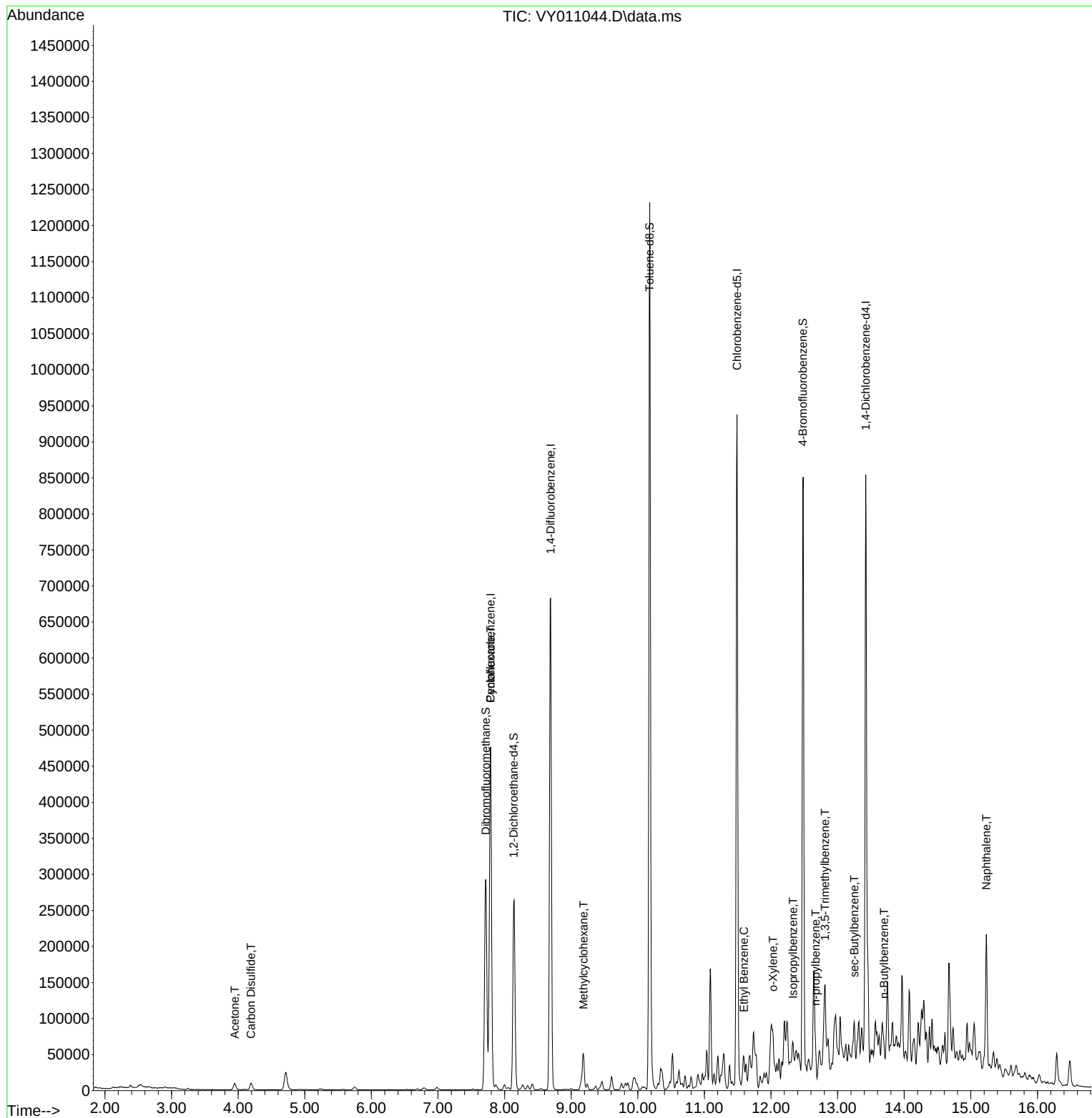
Internal Standards						
1) Pentafluorobenzene	7.789	168	366503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	618375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	519165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	206757	61.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.480%	
35) Dibromofluoromethane	7.716	113	214914	62.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.800%	
50) Toluene-d8	10.179	98	767160	59.416	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.840%	
62) 4-Bromofluorobenzene	12.477	95	250133	54.997	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.000%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	14458	14.747	ug/l	94
17) Carbon Disulfide	4.192	76	18926	1.857	ug/l #	94
31) Cyclohexane	7.789	56	11386	1.762	ug/l #	7
39) Methylcyclohexane	9.185	83	22115	3.207	ug/l	89
67) Ethyl Benzene	11.593	91	24052	1.276	ug/l	100
69) o-Xylene	12.032	106	13796	2.003	ug/l	98
73) Isopropylbenzene	12.331	105	22189	1.442	ug/l	100
78) n-propylbenzene	12.672	91	30950	1.654	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	17178	1.338	ug/l	100
85) sec-Butylbenzene	13.251	105	28654	1.718	ug/l #	76
89) n-Butylbenzene	13.696	91	17643	1.365	ug/l #	78
95) Naphthalene	15.233	128	152471	19.510	ug/l	98

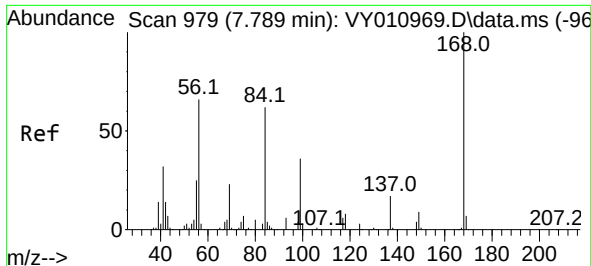
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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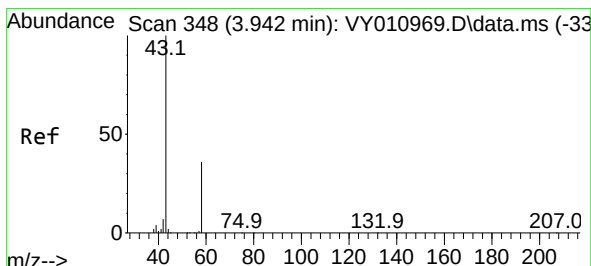
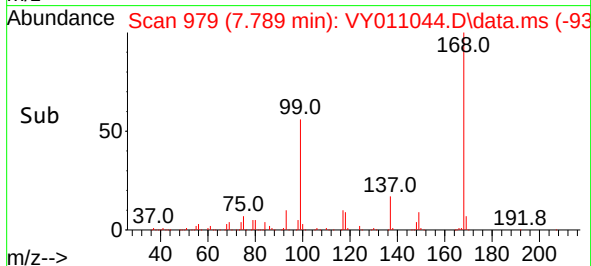
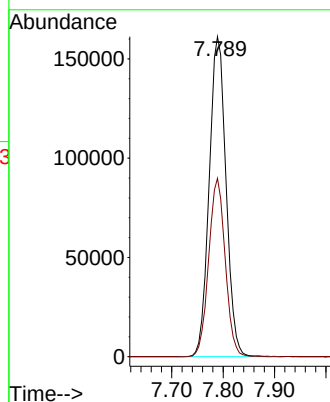
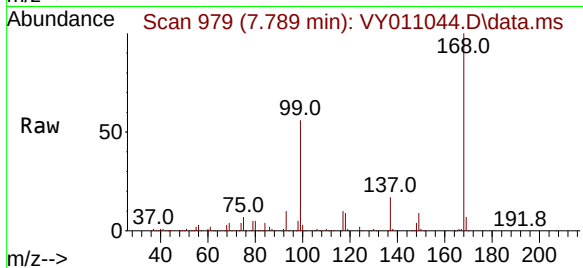




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

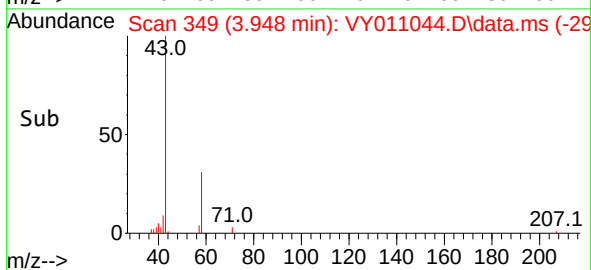
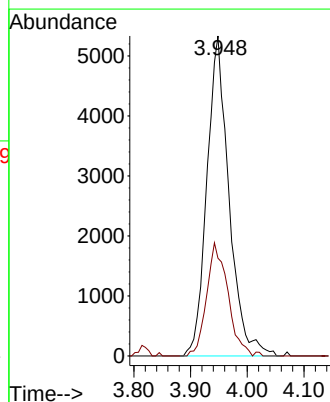
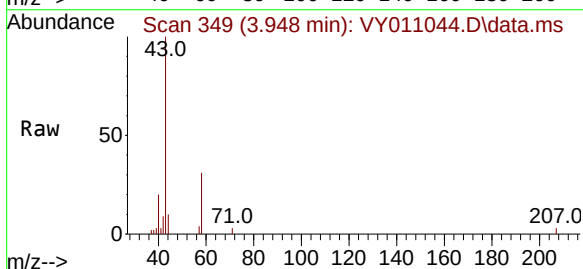
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

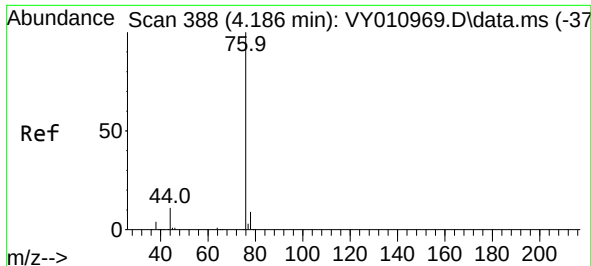
Tgt Ion:168 Resp: 366503
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3



#16
Acetone
Concen: 14.747 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 43 Resp: 14458
Ion Ratio Lower Upper
43 100
58 30.5 22.0 33.0





#17

Carbon Disulfide

Concen: 1.857 ug/l

RT: 4.192 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

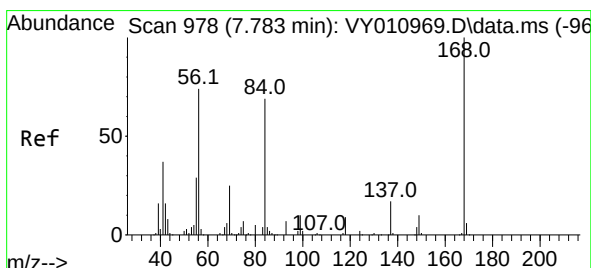
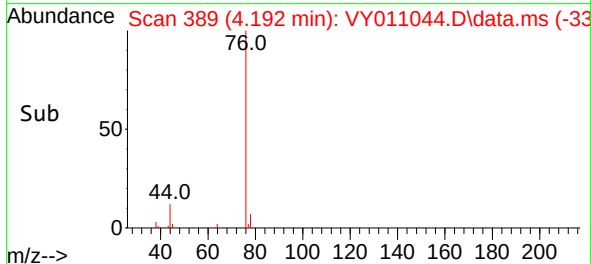
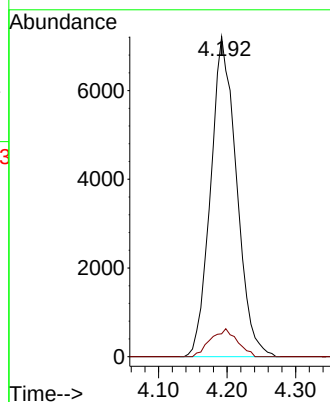
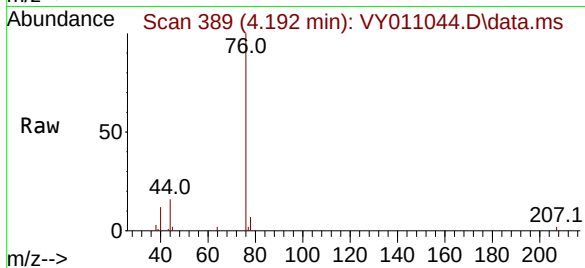
LSP-SS-07-20-40

Tgt Ion: 76 Resp: 18926

Ion Ratio Lower Upper

76 100

78 7.1 7.4 11.0#



#31

Cyclohexane

Concen: 1.762 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

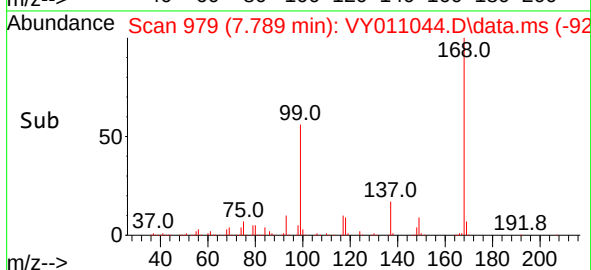
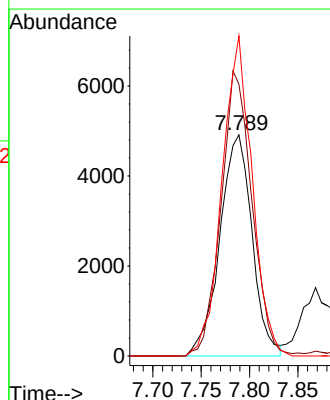
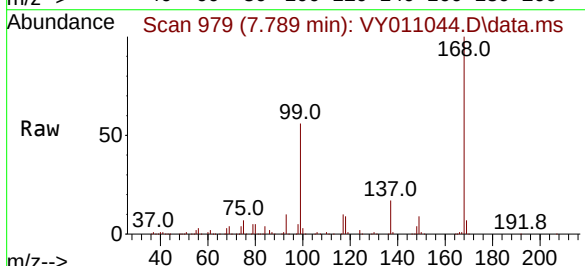
Tgt Ion: 56 Resp: 11386

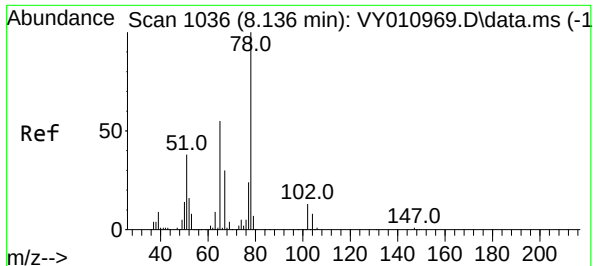
Ion Ratio Lower Upper

56 100

69 122.8 26.7 40.1#

84 144.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.243 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

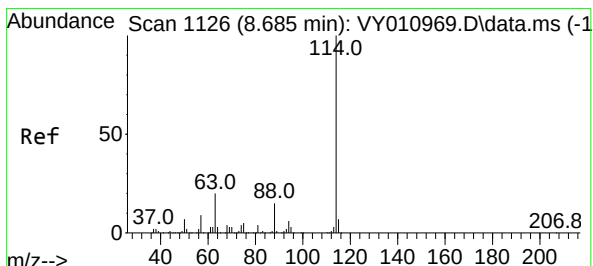
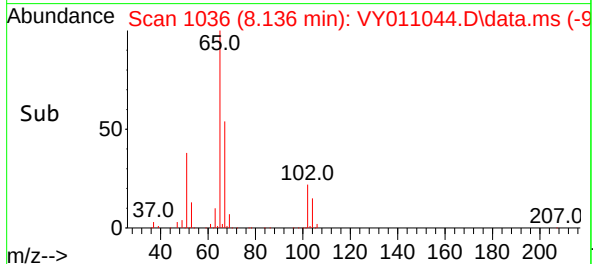
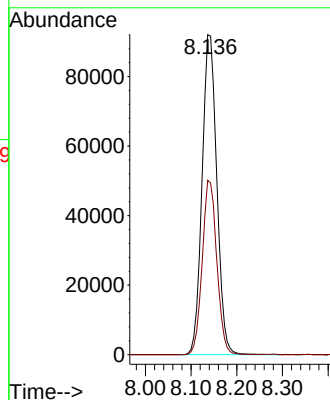
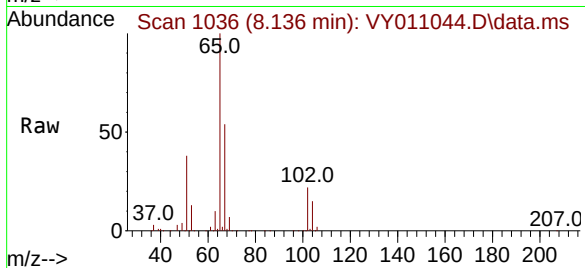
LSP-SS-07-20-40

Tgt Ion: 65 Resp: 206757

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

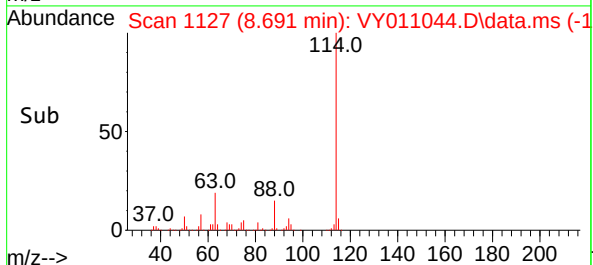
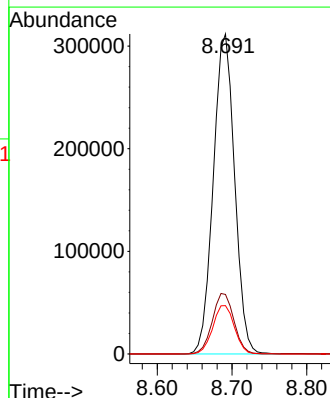
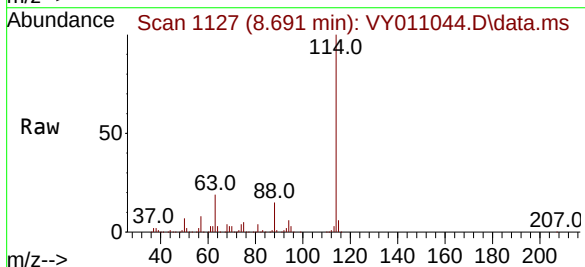
Tgt Ion: 114 Resp: 618375

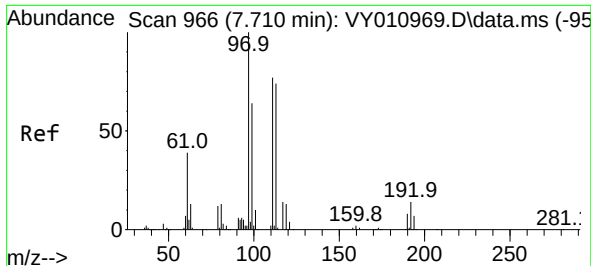
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.1 0.0 31.8

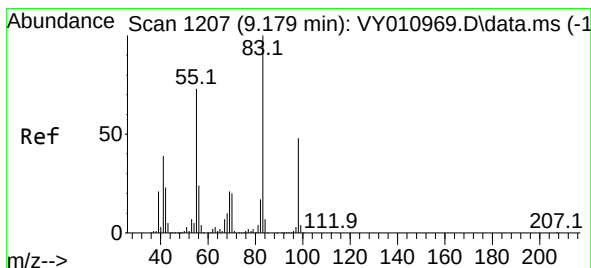
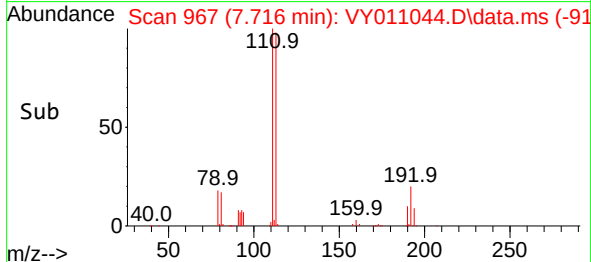
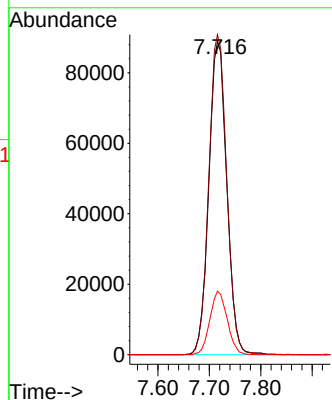
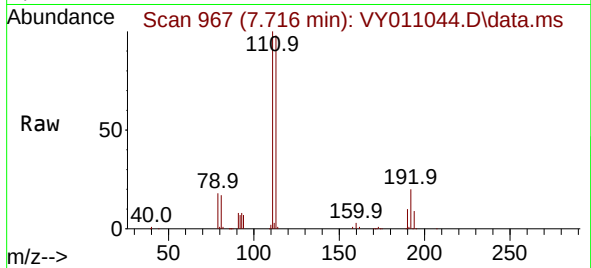




#35
Dibromofluoromethane
Concen: 62.905 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

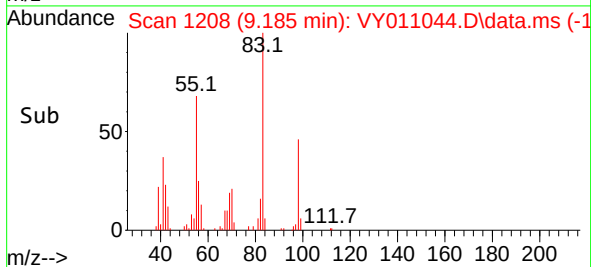
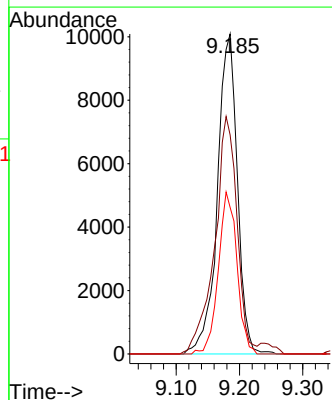
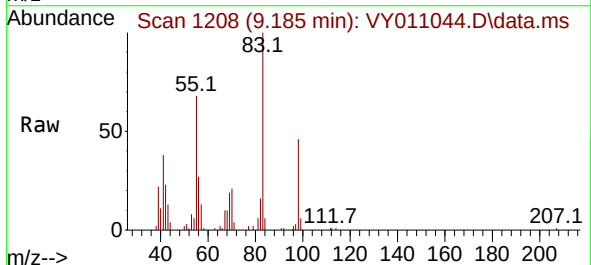
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

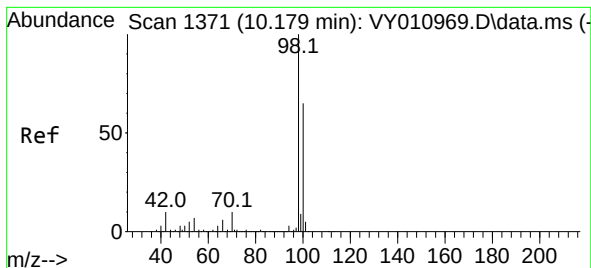
Tgt Ion:113 Resp: 214914
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.6 17.6 26.4



#39
Methylcyclohexane
Concen: 3.207 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 83 Resp: 22115
Ion Ratio Lower Upper
83 100
55 68.5 66.5 99.7
98 45.8 37.9 56.9





#50

Toluene-d8

Concen: 59.416 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

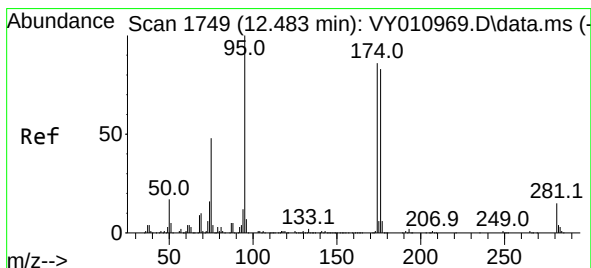
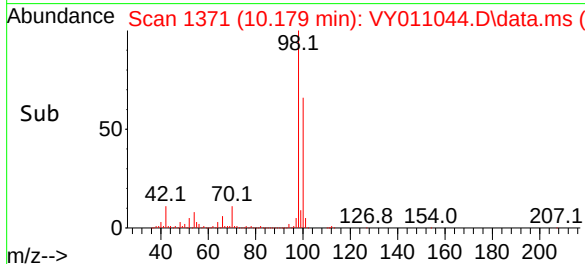
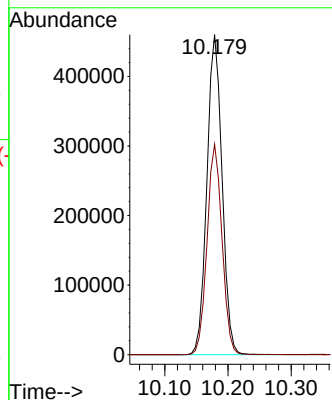
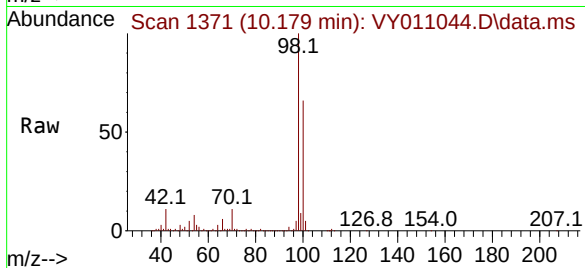
LSP-SS-07-20-40

Tgt Ion: 98 Resp: 767160

Ion Ratio Lower Upper

98 100

100 65.0 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 54.997 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

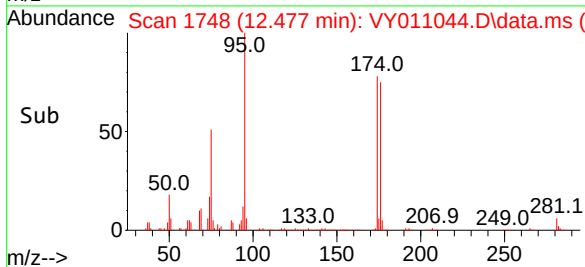
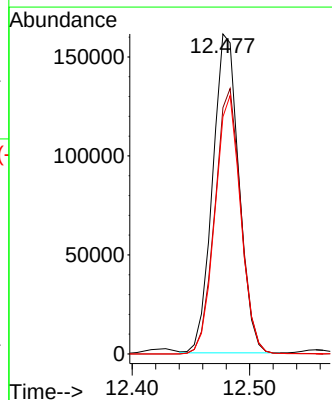
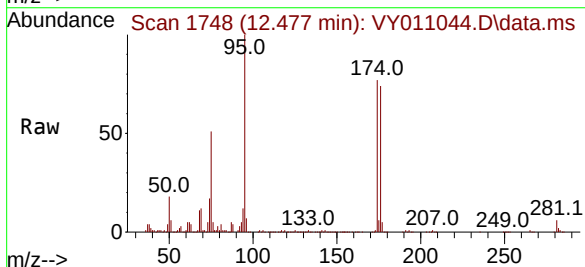
Tgt Ion: 95 Resp: 250133

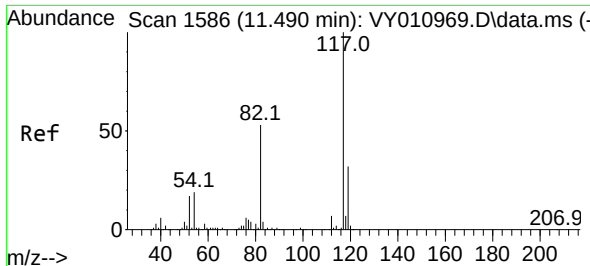
Ion Ratio Lower Upper

95 100

174 82.7 0.0 177.0

176 79.6 0.0 175.8

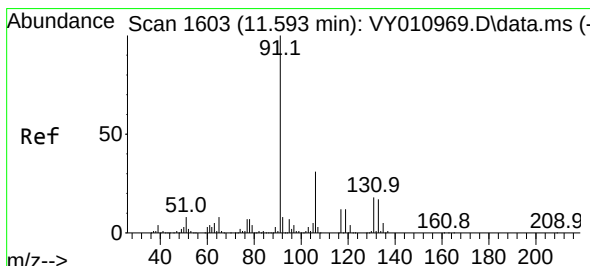
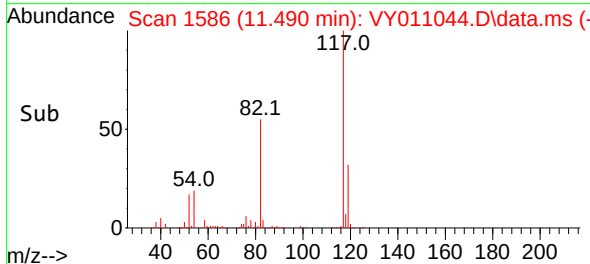
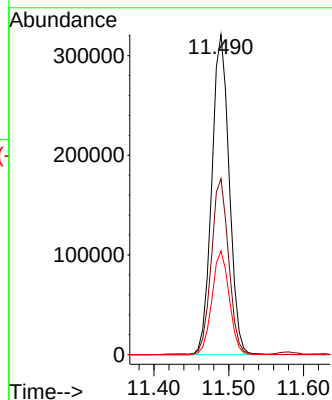
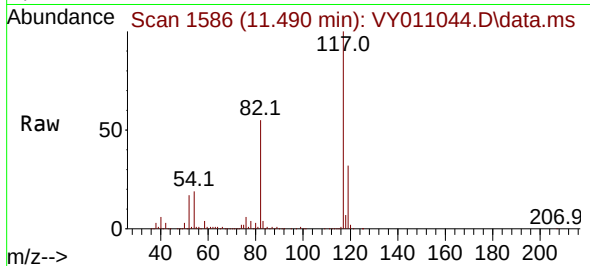




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

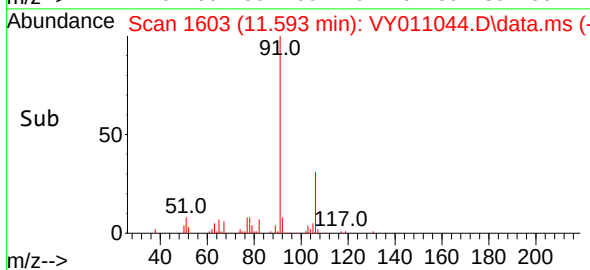
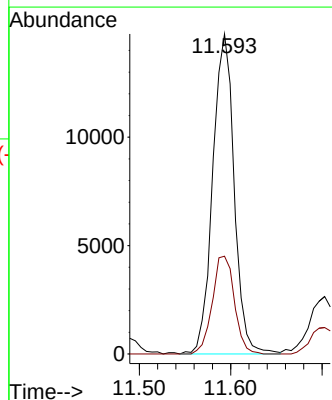
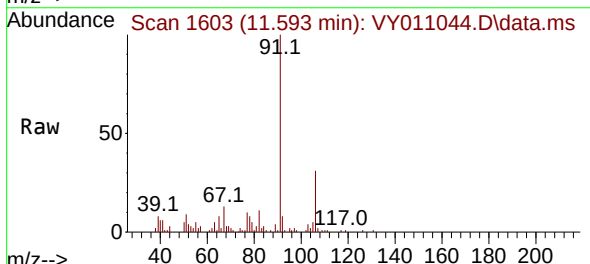
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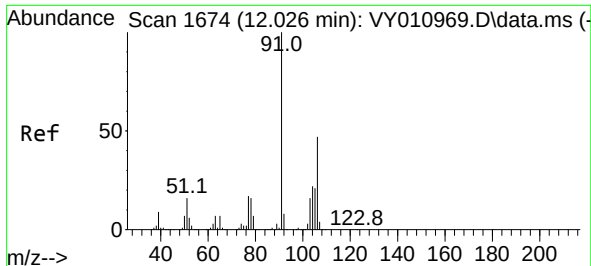
Tgt Ion:117 Resp: 519165
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 32.4 25.4 38.0



#67
Ethyl Benzene
Concen: 1.276 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 91 Resp: 24052
Ion Ratio Lower Upper
91 100
106 30.5 24.5 36.7

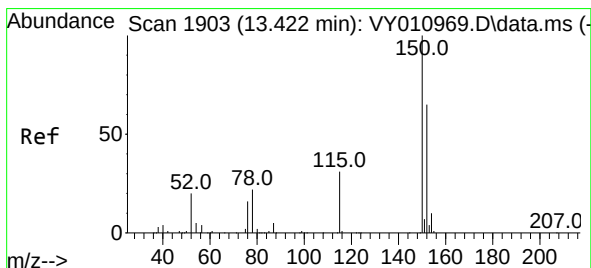
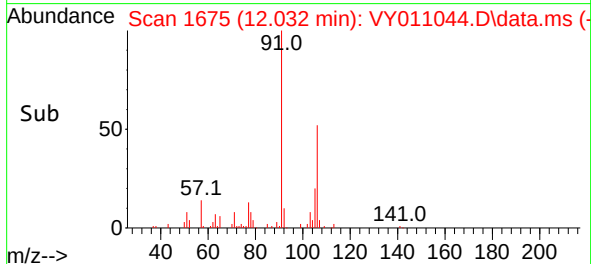
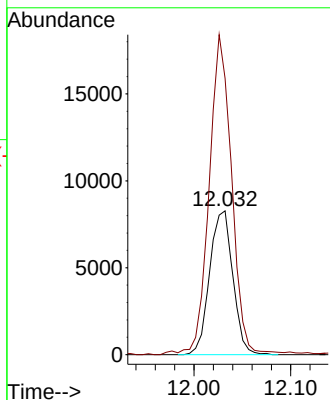
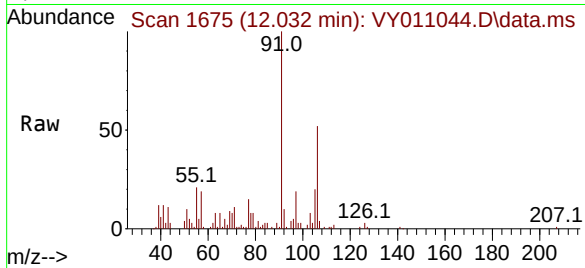




#69
o-Xylene
Concen: 2.003 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

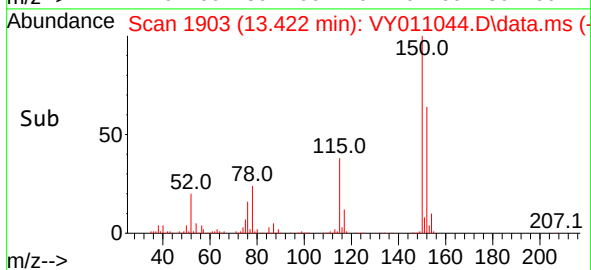
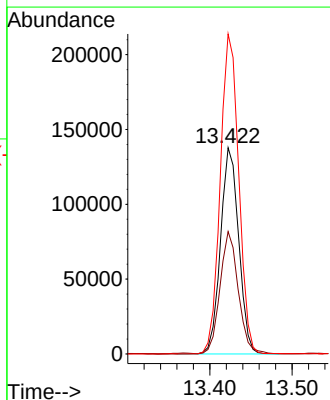
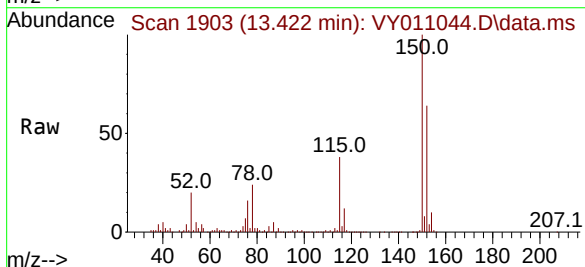
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

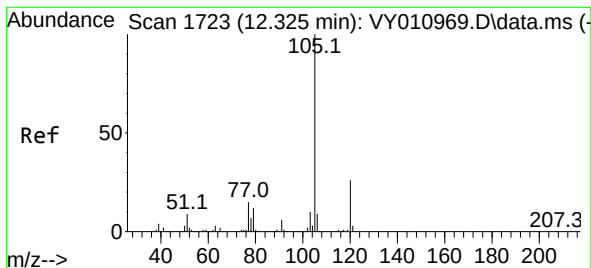
Tgt Ion:106 Resp: 13796
Ion Ratio Lower Upper
106 100
91 217.4 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion:152 Resp: 211744
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 157.5 0.0 347.6





#73

Isopropylbenzene

Concen: 1.442 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

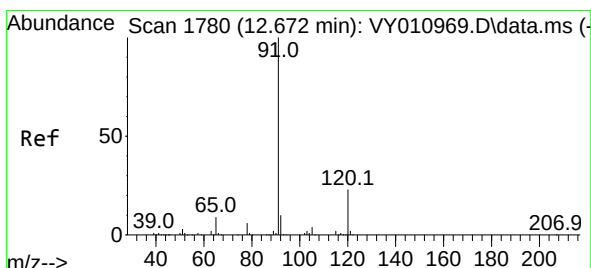
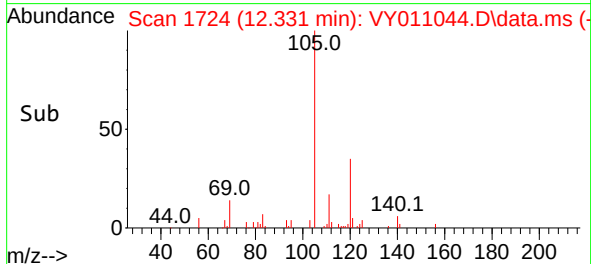
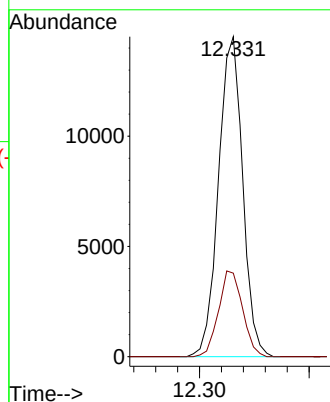
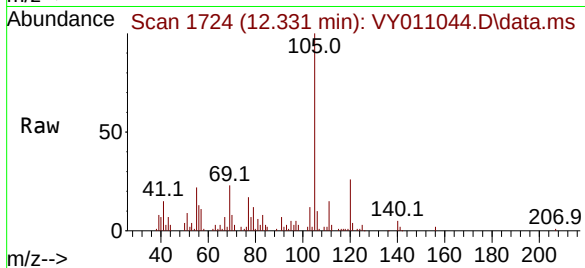
LSP-SS-07-20-40

Tgt Ion:105 Resp: 22189

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#78

n-propylbenzene

Concen: 1.654 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY011044.D

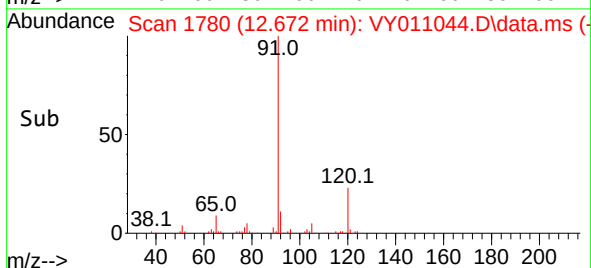
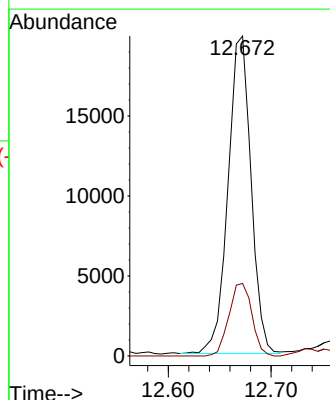
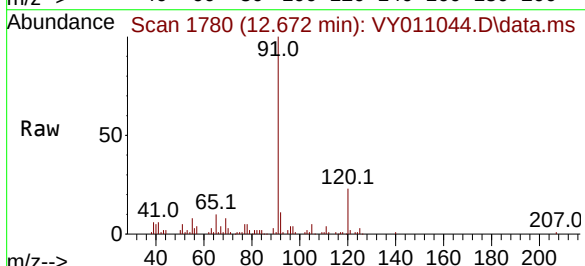
Acq: 21 Oct 2022 12:51

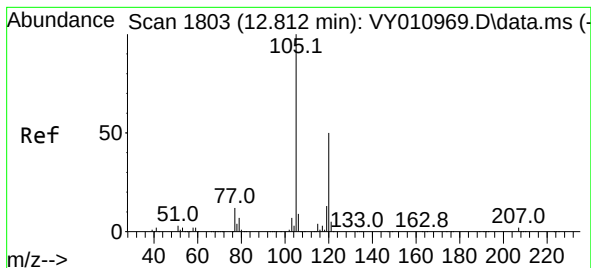
Tgt Ion: 91 Resp: 30950

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 1.338 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY011044.D

Acq: 21 Oct 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

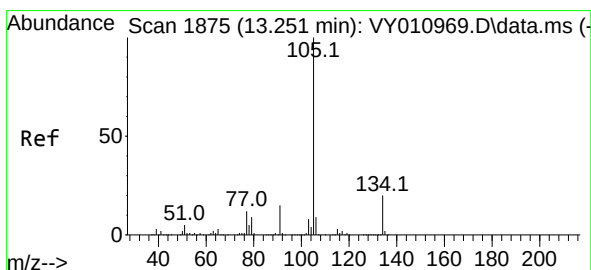
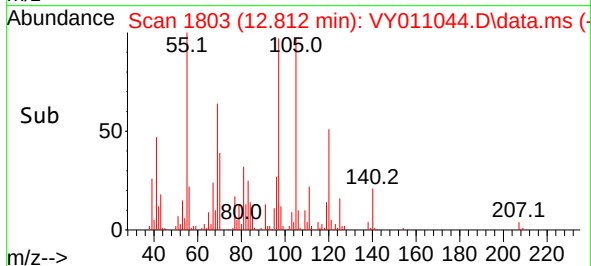
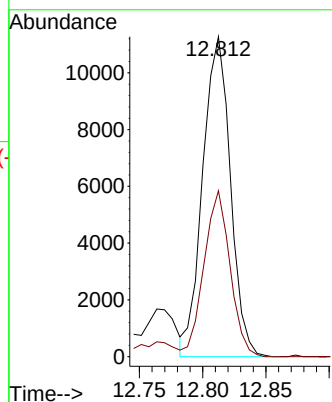
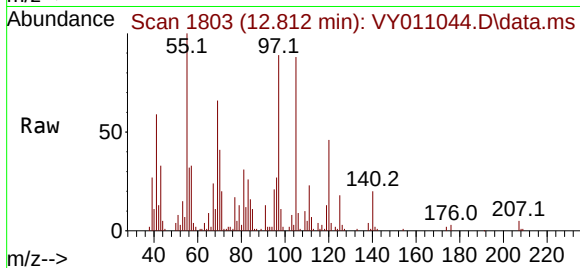
LSP-SS-07-20-40

Tgt Ion:105 Resp: 17178

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.4



#85

sec-Butylbenzene

Concen: 1.718 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY011044.D

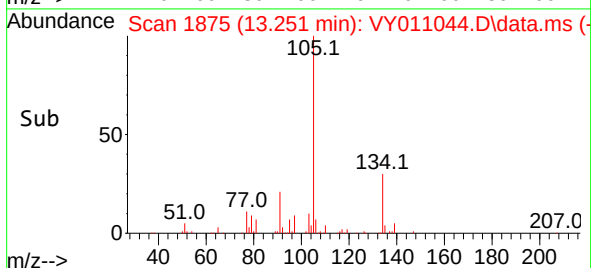
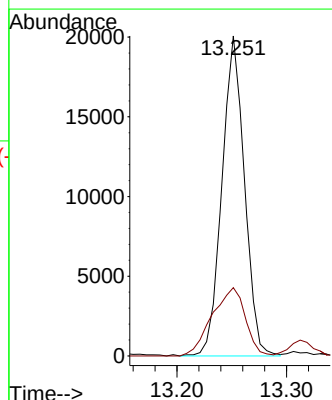
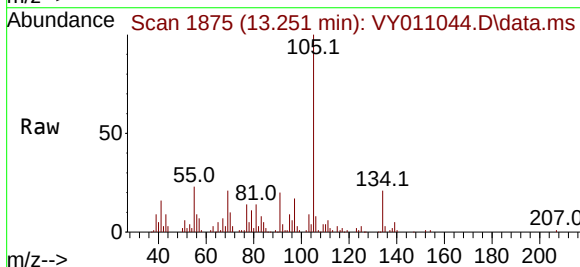
Acq: 21 Oct 2022 12:51

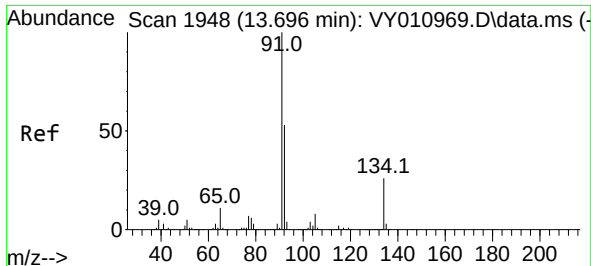
Tgt Ion:105 Resp: 28654

Ion Ratio Lower Upper

105 100

134 31.5 10.2 30.4#

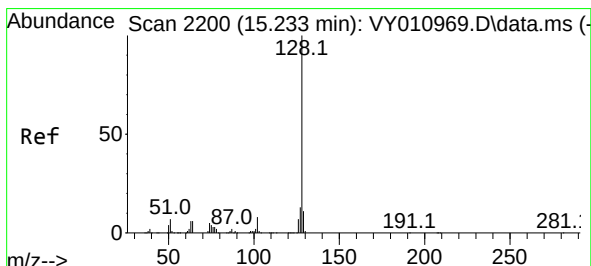
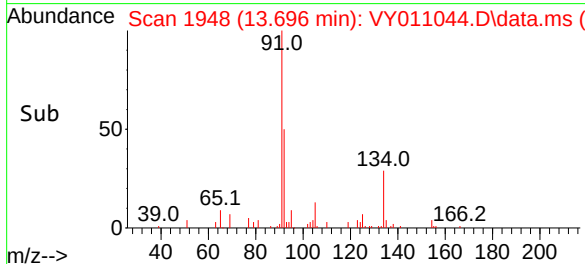
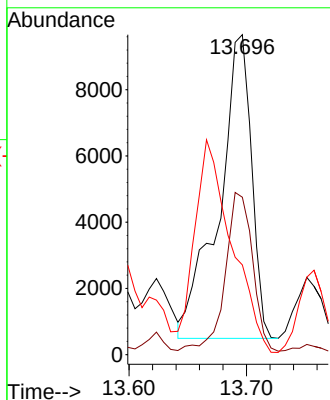
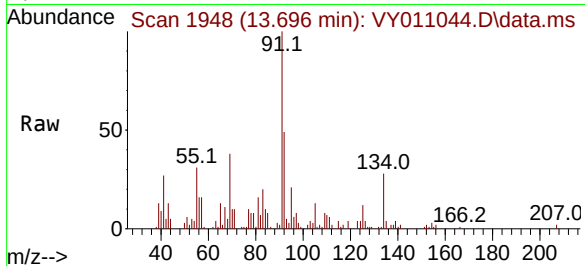




#89
n-Butylbenzene
Concen: 1.365 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-07-20-40

Tgt Ion: 91 Resp: 17643
Ion Ratio Lower Upper
91 100
92 46.8 26.3 78.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 19.510 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011044.D
Acq: 21 Oct 2022 12:51

Tgt Ion: 128 Resp: 152471
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.4
129 11.1 8.4 12.6

