

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011027.D
 Acq On : 20 Oct 2022 15:58
 Operator : KP/MD
 Sample : N5193-05
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-03-01-03

Quant Time: Oct 20 22:24:25 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)

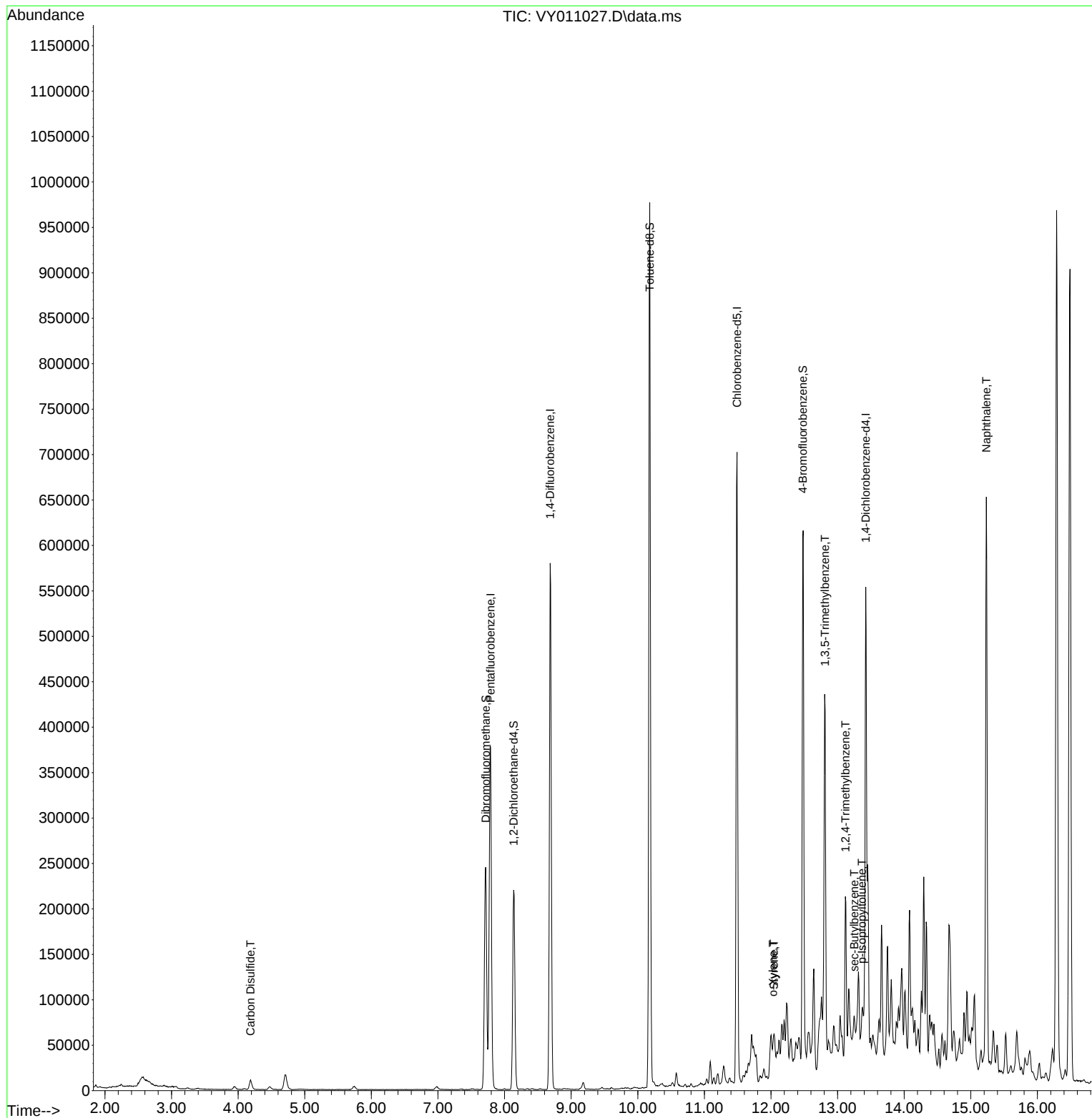
Internal Standards						
1) Pentafluorobenzene	7.789	168	307204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	504498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	390012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	172750	61.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.100%	
35) Dibromofluoromethane	7.716	113	180475	64.814	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.620%	
50) Toluene-d8	10.179	98	643880	61.124	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 122.240%	
62) 4-Bromofluorobenzene	12.477	95	177208	47.327	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.660%	
Target Compounds						Qvalue
17) Carbon Disulfide	4.186	76	21199	2.481	ug/l	99
69) o-Xylene	12.032	106	5190	1.003	ug/l	92
70) Styrene	12.044	104	12383	1.412	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	146720	18.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	87718	11.169	ug/l	98
85) sec-Butylbenzene	13.251	105	10779	1.042	ug/l	93
86) p-Isopropyltoluene	13.367	119	16363	1.906	ug/l	97
95) Naphthalene	15.233	128	520219	107.277	ug/l	98

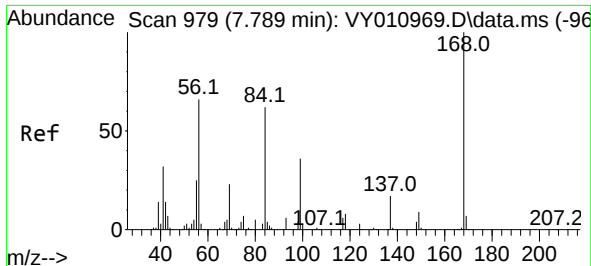
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LSP-SS-03-01-03

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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

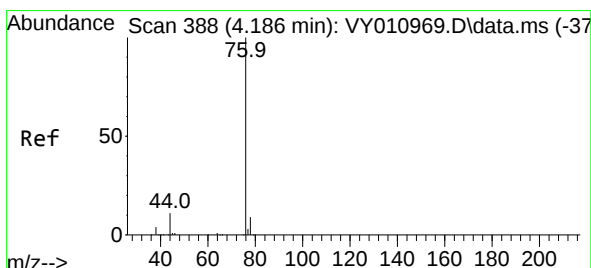
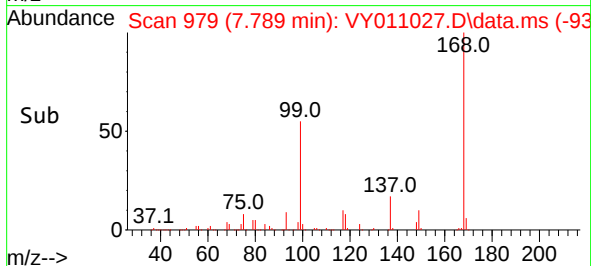
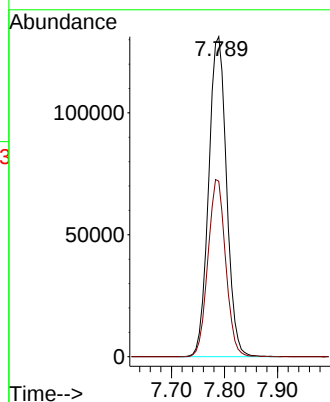
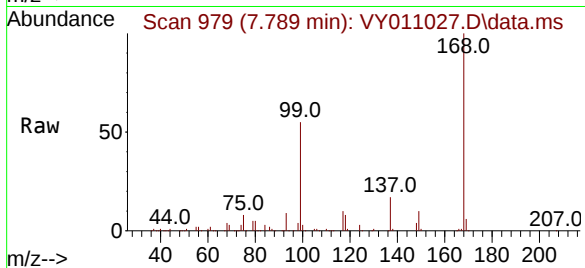




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

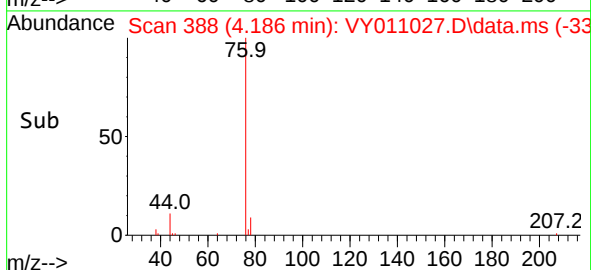
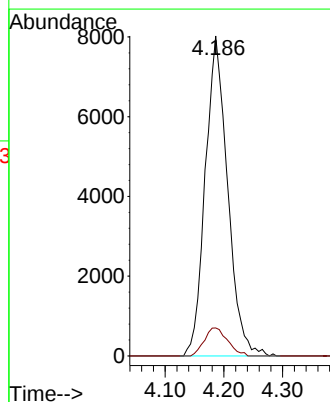
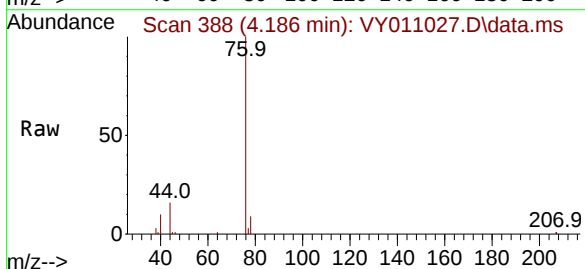
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

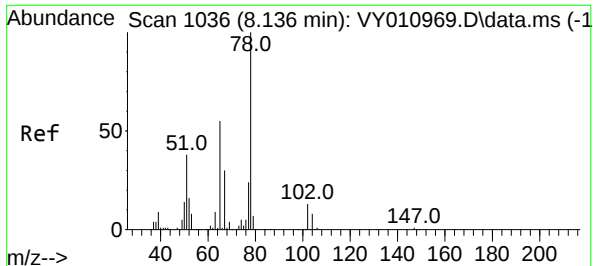
Tgt Ion:168 Resp: 307204
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#17
Carbon Disulfide
Concen: 2.481 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 76 Resp: 21199
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0





#33

1,2-Dichloroethane-d4

Concen: 61.047 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY011027.D

Acq: 20 Oct 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

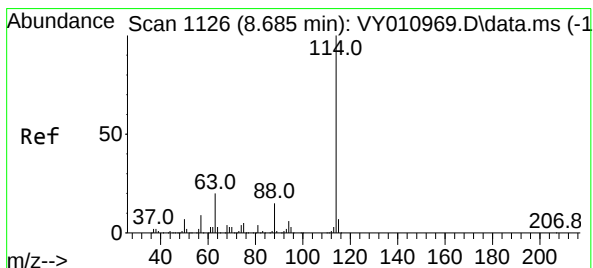
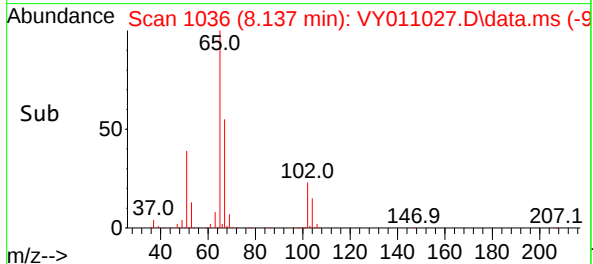
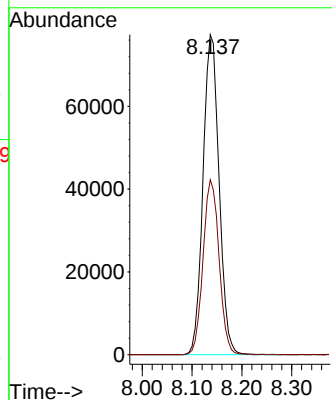
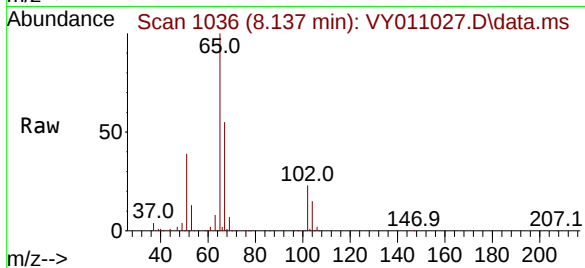
LSP-SS-03-01-03

Tgt Ion: 65 Resp: 172750

Ion Ratio Lower Upper

65 100

67 54.6 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: VY011027.D

Acq: 20 Oct 2022 15:58

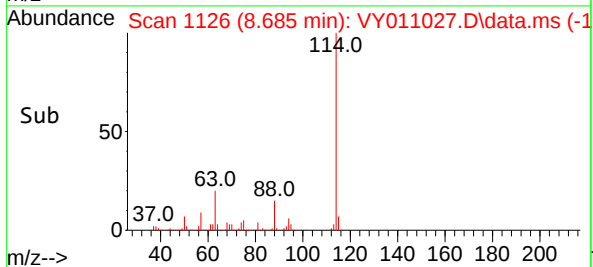
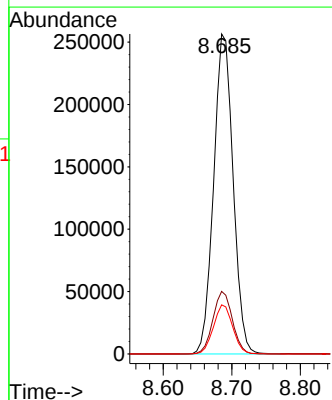
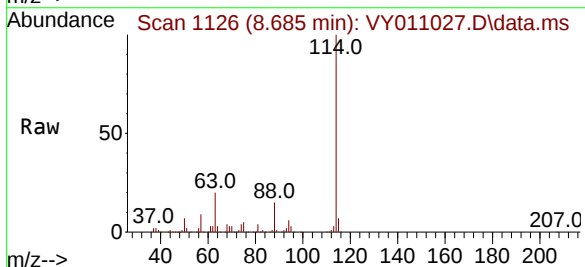
Tgt Ion: 114 Resp: 504498

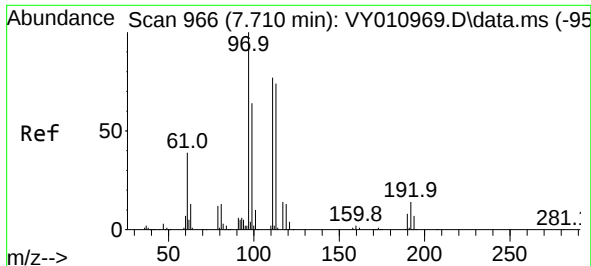
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.3 0.0 31.8

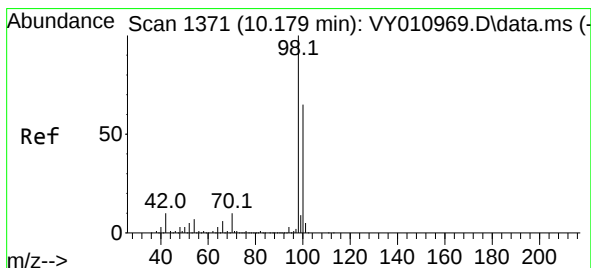
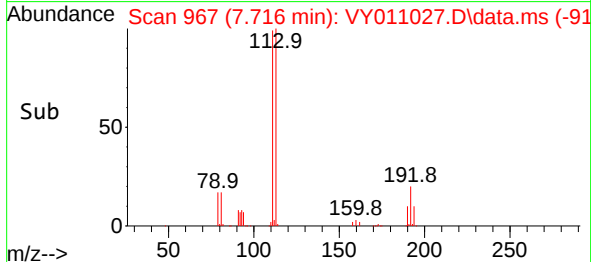
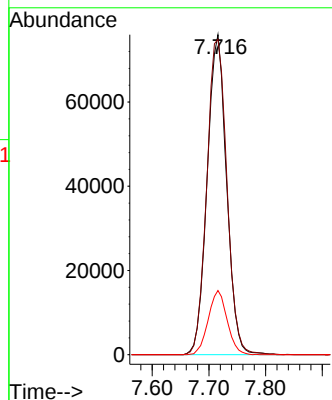
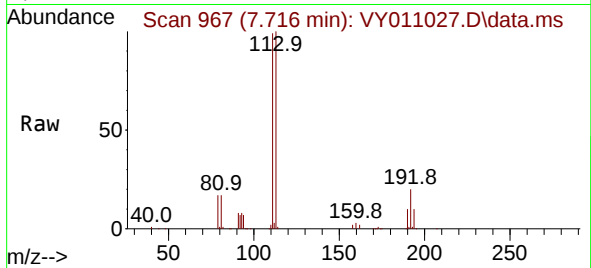




#35
Dibromofluoromethane
Concen: 64.814 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

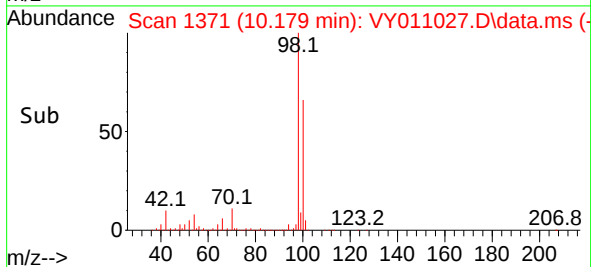
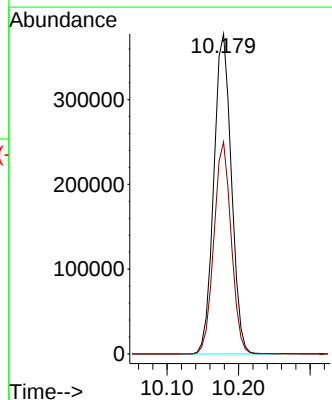
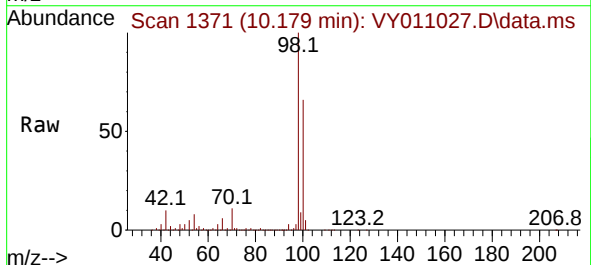
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

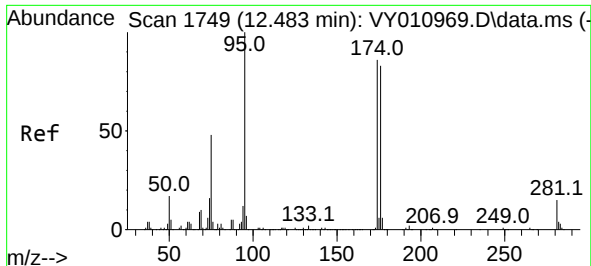
Tgt Ion:113 Resp: 180475
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 19.5 17.6 26.4



#50
Toluene-d8
Concen: 61.124 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 98 Resp: 643880
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

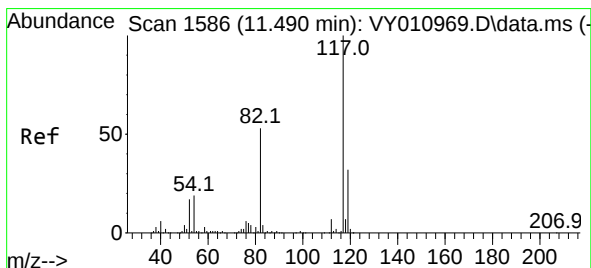
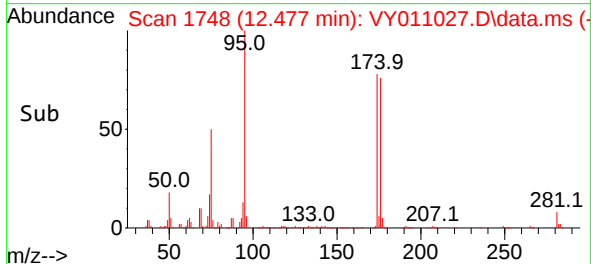
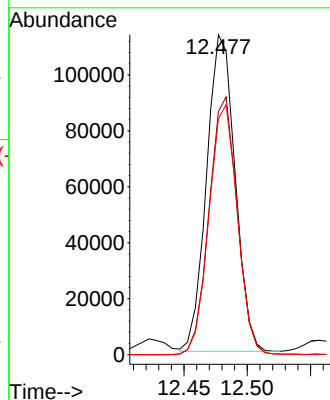
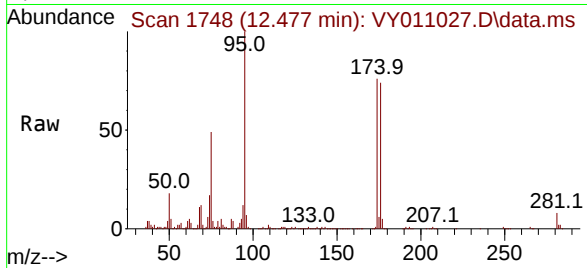




#62
4-Bromofluorobenzene
Concen: 47.327 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

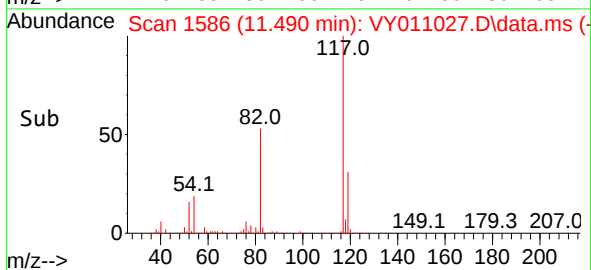
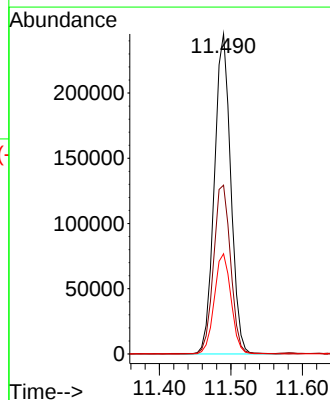
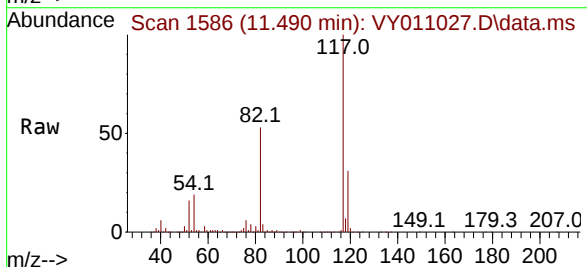
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

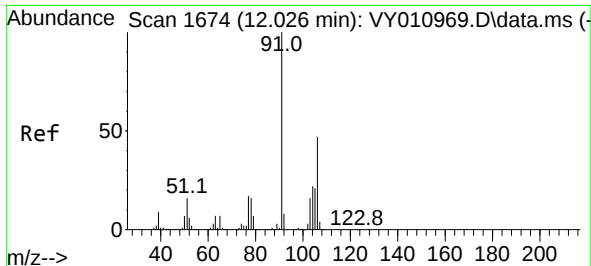
Tgt Ion: 95 Resp: 177208
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 78.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion: 117 Resp: 390012
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.3 25.4 38.0

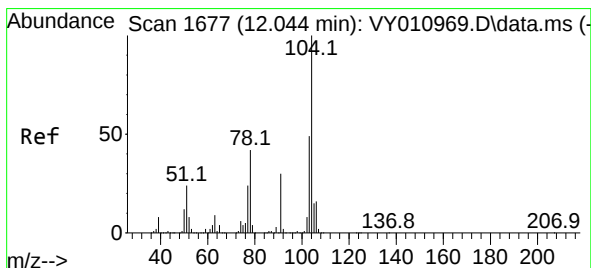
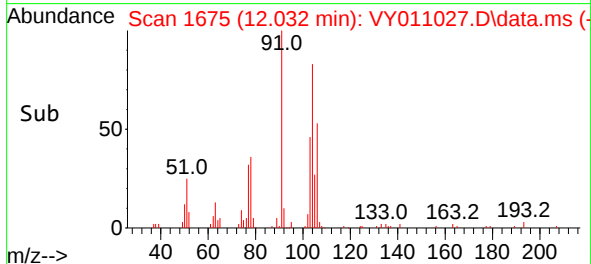
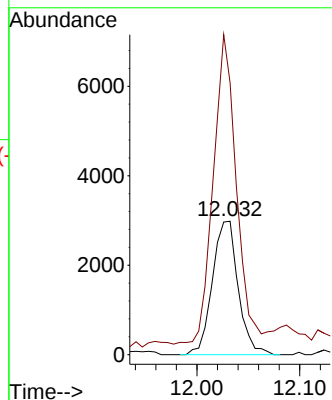
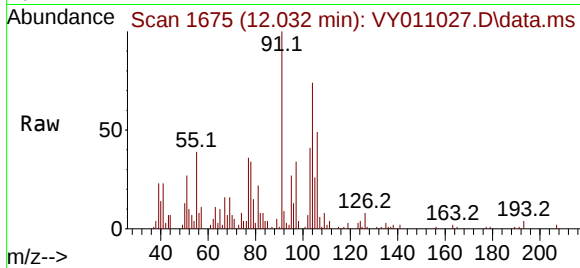




#69
o-Xylene
Concen: 1.003 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

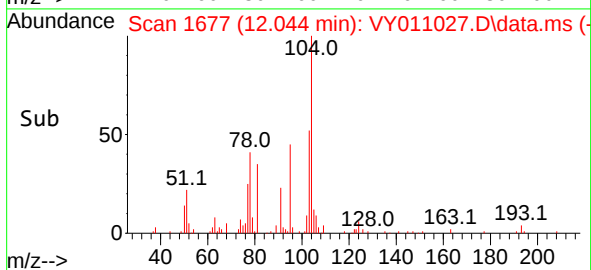
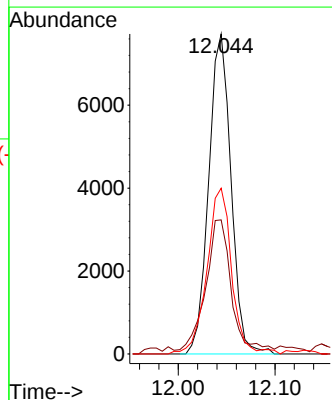
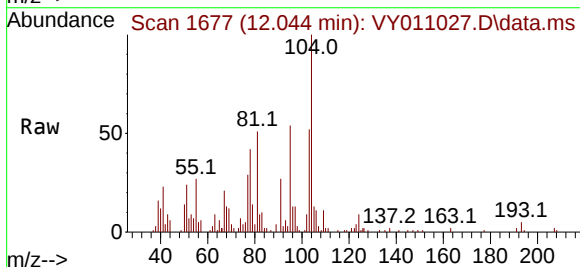
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

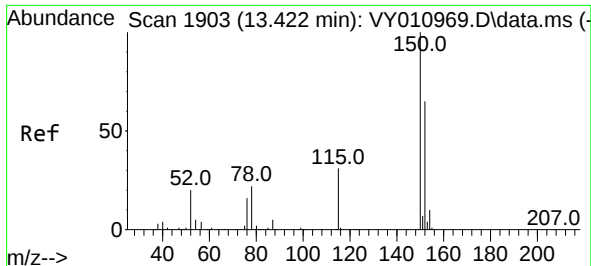
Tgt Ion:106 Resp: 5190
Ion Ratio Lower Upper
106 100
91 208.6 110.3 331.0



#70
Styrene
Concen: 1.412 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion:104 Resp: 12383
Ion Ratio Lower Upper
104 100
78 46.8 42.4 63.6
103 57.3 44.4 66.6

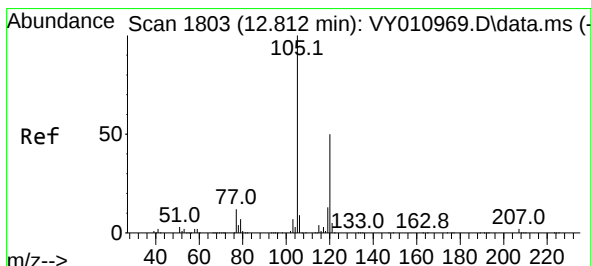
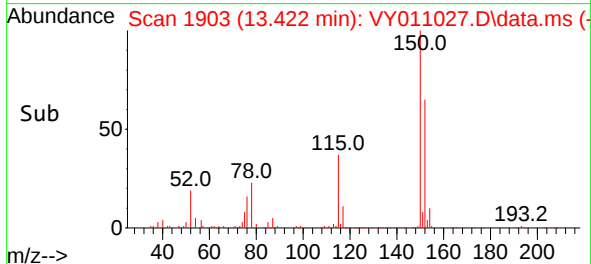
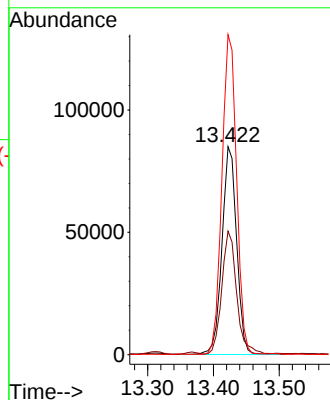
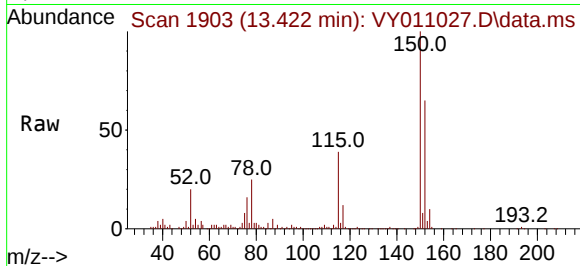




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011027.D
 Acq: 20 Oct 2022 15:58

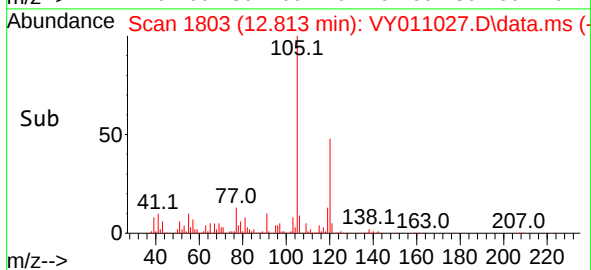
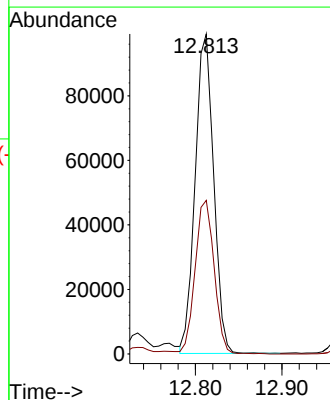
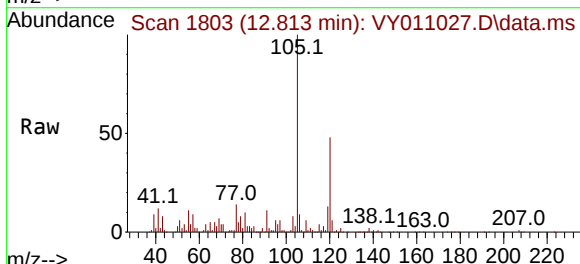
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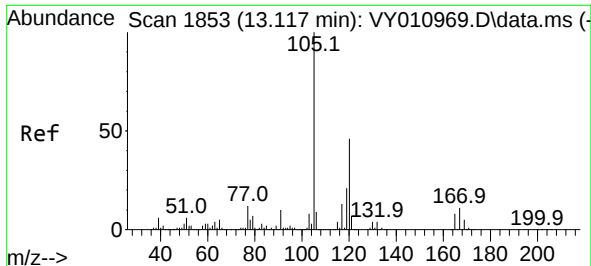
Tgt Ion:152 Resp: 131389
 Ion Ratio Lower Upper
 152 100
 115 59.9 28.2 84.7
 150 154.2 0.0 347.6



#80
 1,3,5-Trimethylbenzene
 Concen: 18.422 ug/l
 RT: 12.813 min Scan# 1803
 Delta R.T. 0.001 min
 Lab File: VY011027.D
 Acq: 20 Oct 2022 15:58

Tgt Ion:105 Resp: 146720
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.4

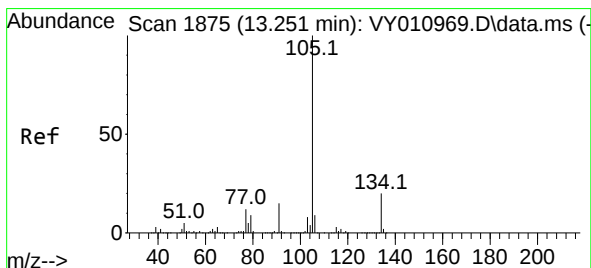
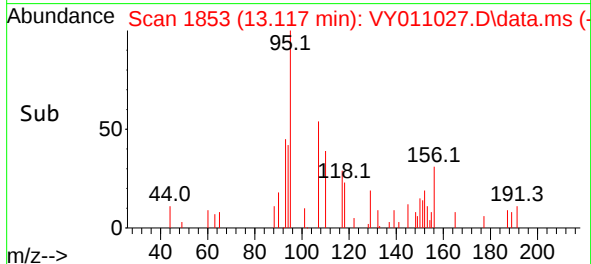
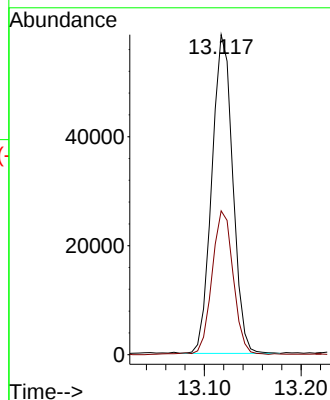
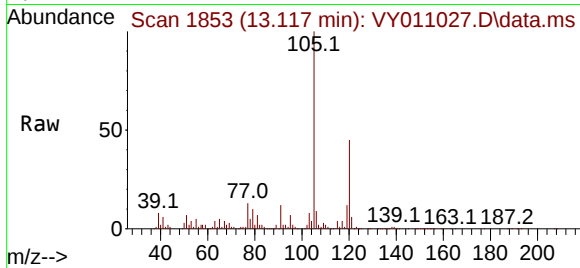




#84
1,2,4-Trimethylbenzene
Concen: 11.169 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

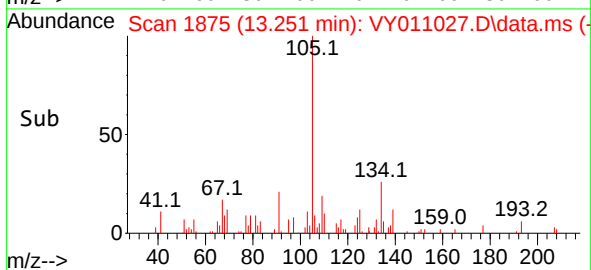
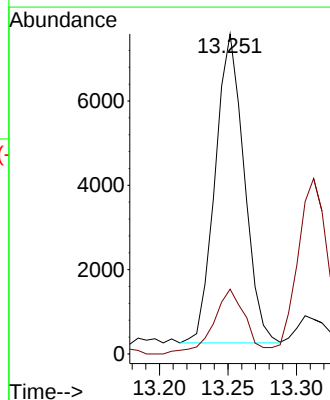
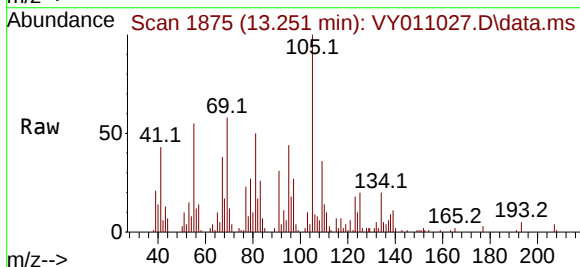
Instrument :
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LSP-SS-03-01-03

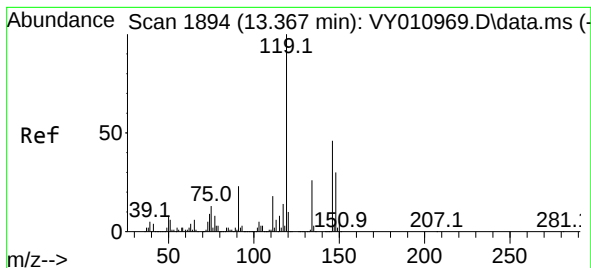
Tgt Ion:105 Resp: 87718
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.042 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion:105 Resp: 10779
Ion Ratio Lower Upper
105 100
134 23.4 10.2 30.4

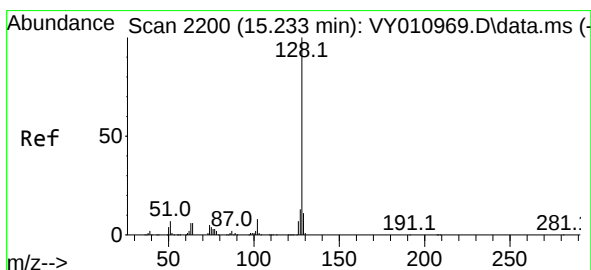
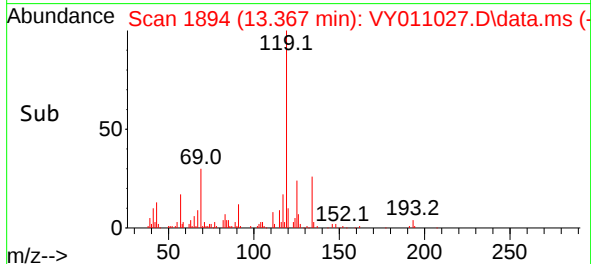
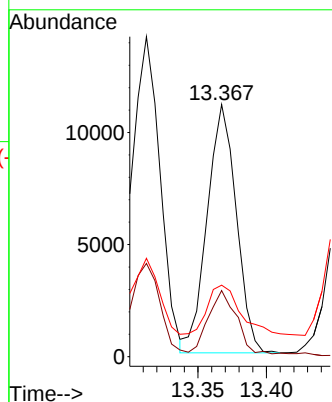
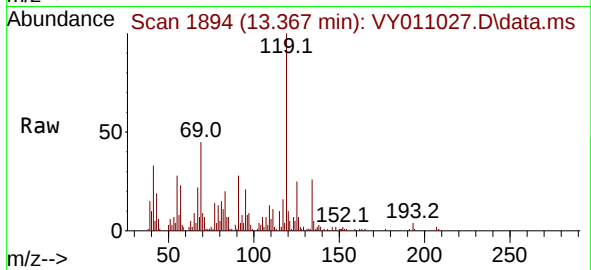




#86
p-Isopropyltoluene
Concen: 1.906 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-03-01-03

Tgt Ion:119 Resp: 16363
Ion Ratio Lower Upper
119 100
134 27.3 13.2 39.5
91 22.5 12.4 37.2



#95
Naphthalene
Concen: 107.277 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011027.D
Acq: 20 Oct 2022 15:58

Tgt Ion:128 Resp: 520219
Ion Ratio Lower Upper
128 100
127 12.5 11.0 16.4
129 11.0 8.4 12.6

