

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011033.D
 Acq On : 20 Oct 2022 18:14
 Operator : KP/MD
 Sample : N5193-08
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-04-05-15

Quant Time: Oct 20 22:25:35 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)

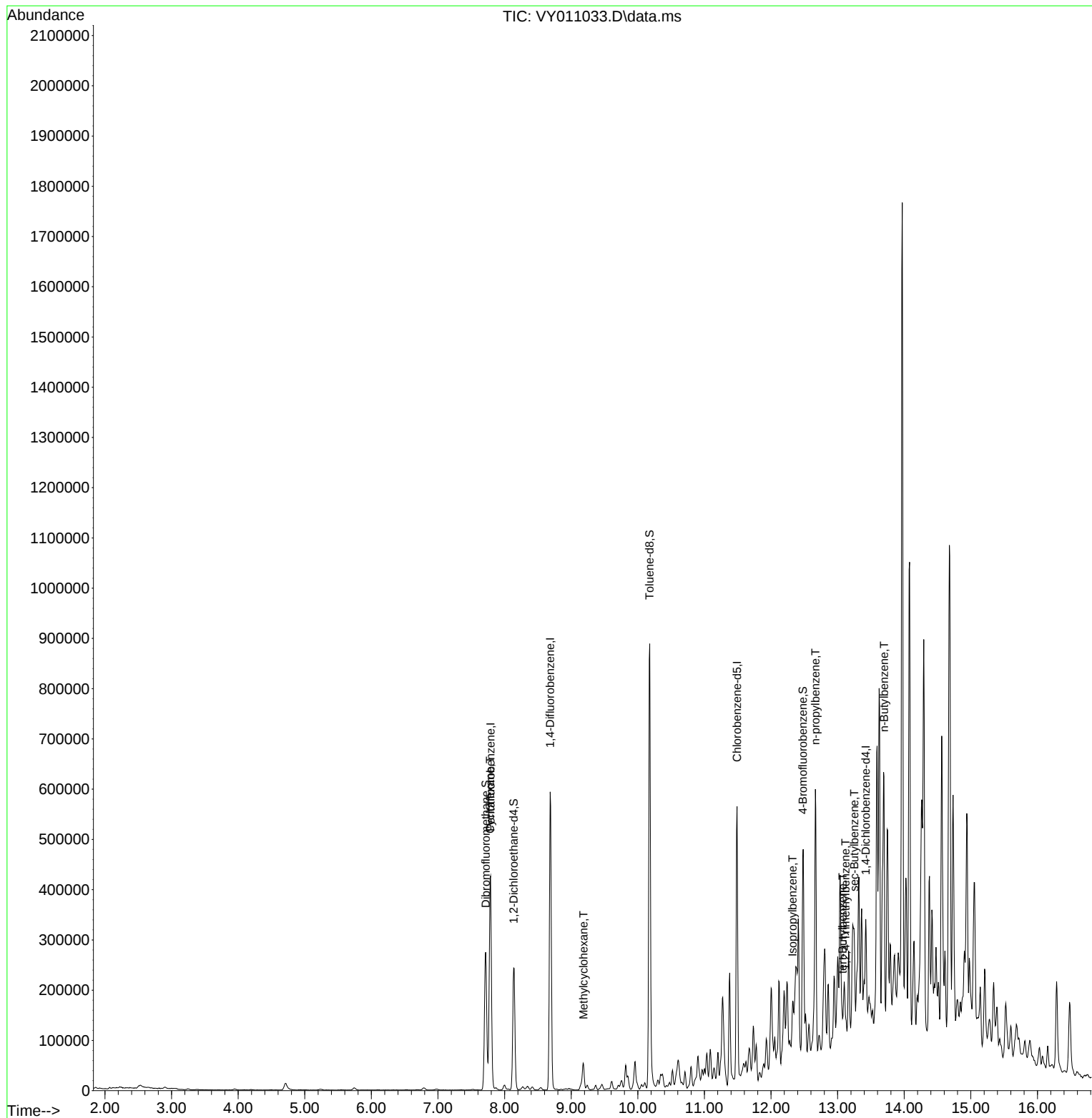
Internal Standards						
1) Pentafluorobenzene	7.789	168	341504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	532811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	299385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	194211	61.738	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 123.480%		
35) Dibromofluoromethane	7.716	113	200621	68.339	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 136.680%		
50) Toluene-d8	10.179	98	576795	51.846	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 103.700%		
62) 4-Bromofluorobenzene	12.477	95	111461	26.862	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 53.720%		
Target Compounds						
					Qvalue	
31) Cyclohexane	7.783	56	11127	1.848	ug/l #	24
39) Methylcyclohexane	9.185	83	22179	3.733	ug/l	90
73) Isopropylbenzene	12.325	105	66029	14.558	ug/l	99
78) n-propylbenzene	12.666	91	399084	72.322	ug/l	98
83) tert-Butylbenzene	13.075	119	5801	1.773	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	5737	1.537	ug/l	100
85) sec-Butylbenzene	13.251	105	94932	19.306	ug/l #	50
89) n-Butylbenzene	13.696	91	301670	79.138	ug/l #	89

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

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Quant Title : SW846 8260
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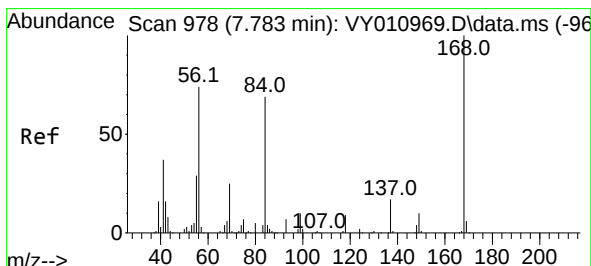
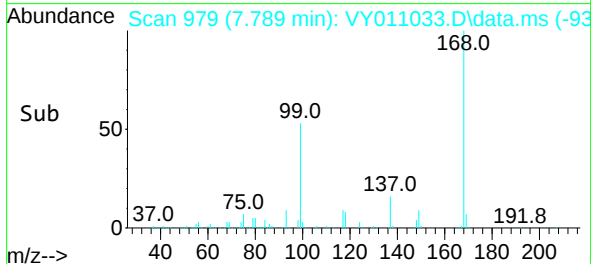
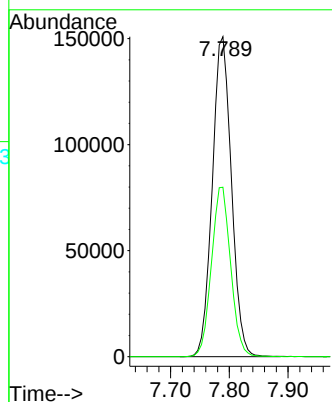
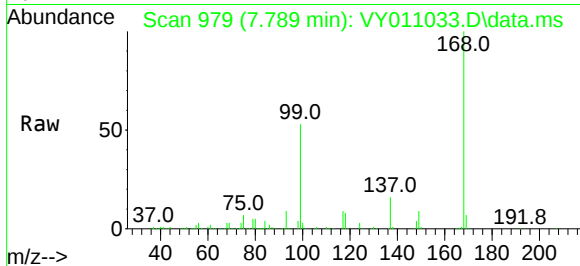




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

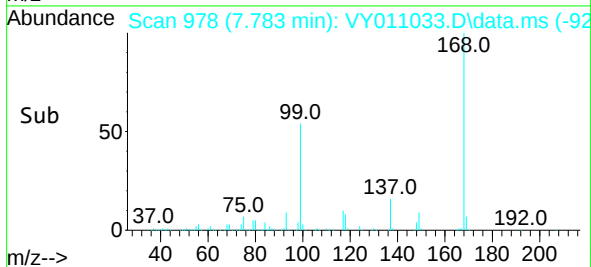
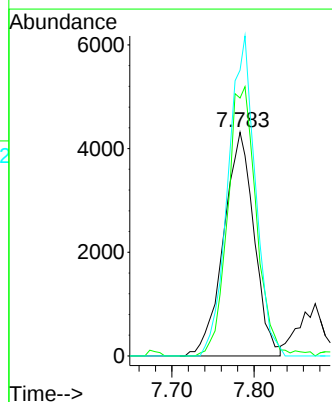
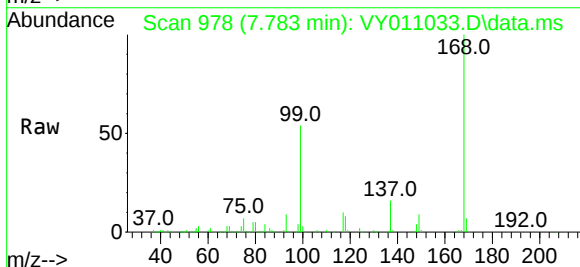
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-04-05-15

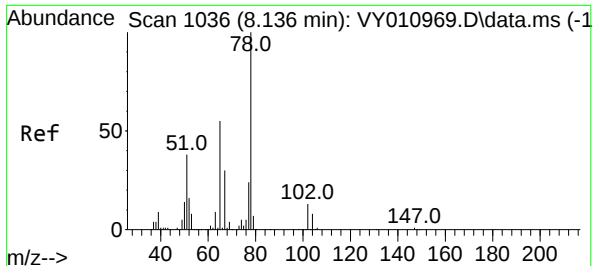
Tgt Ion:168 Resp: 341504
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#31
Cyclohexane
Concen: 1.848 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

Tgt Ion: 56 Resp: 11127
Ion Ratio Lower Upper
56 100
69 115.3 26.7 40.1#
84 127.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.738 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011033.D

Acq: 20 Oct 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

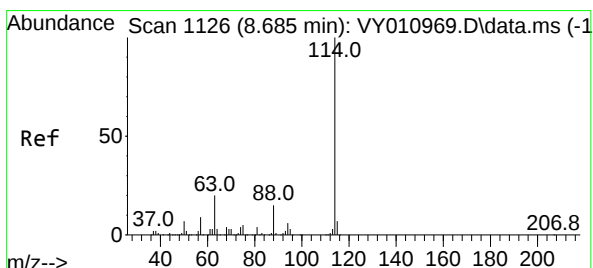
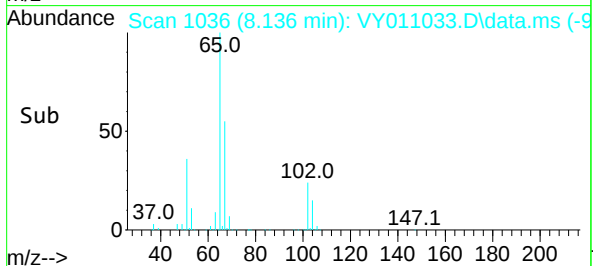
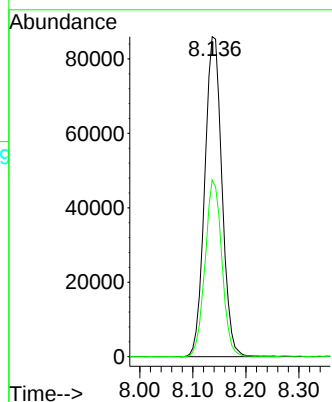
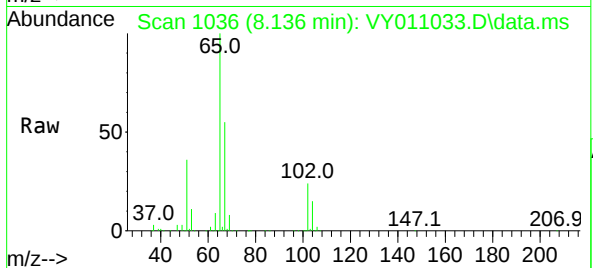
LSP-SS-04-05-15

Tgt Ion: 65 Resp: 194211

Ion Ratio Lower Upper

65 100

67 53.8 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: VY011033.D

Acq: 20 Oct 2022 18:14

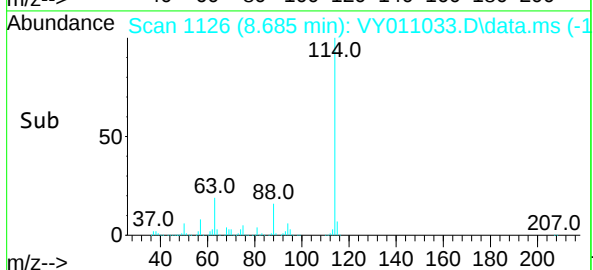
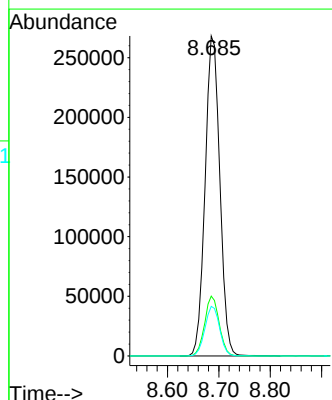
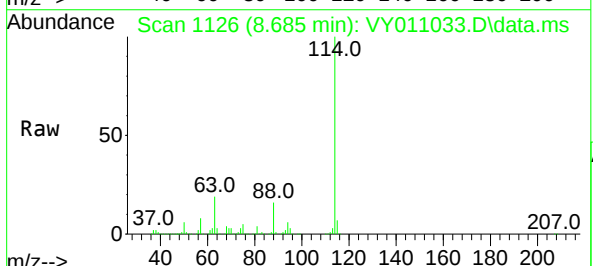
Tgt Ion: 114 Resp: 532811

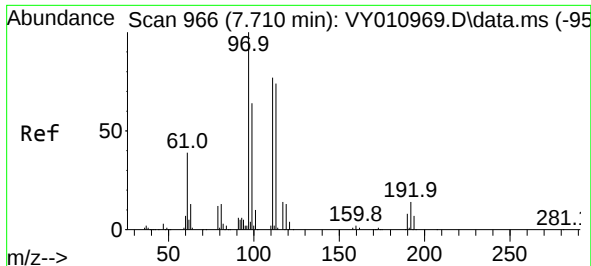
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.5 0.0 31.8

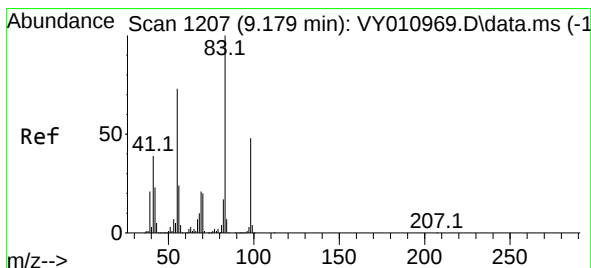
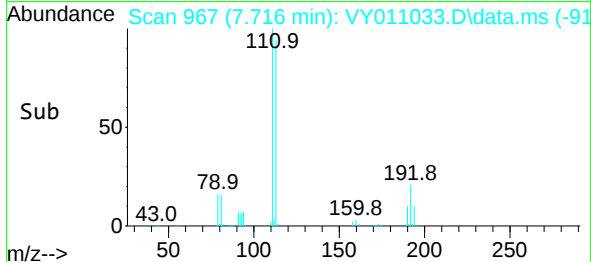
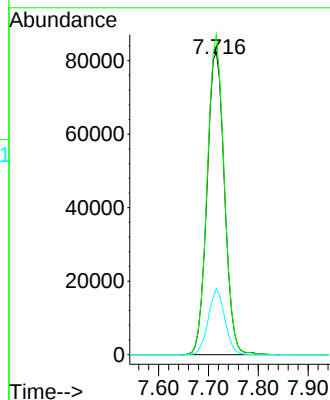
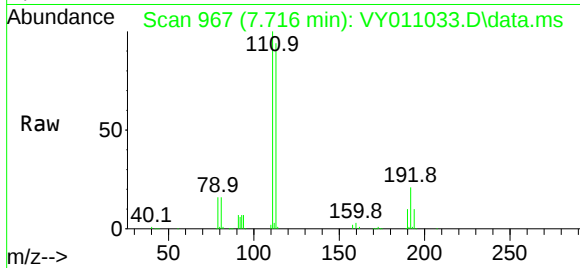




#35
Dibromofluoromethane
Concen: 68.339 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

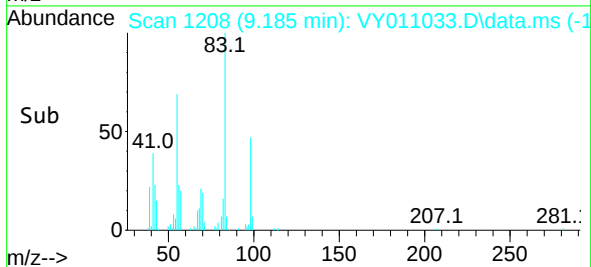
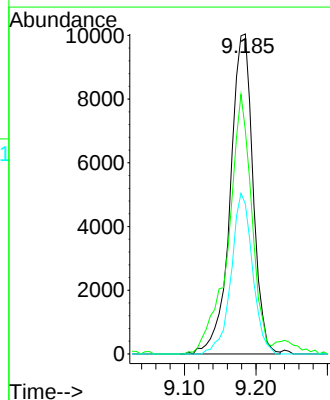
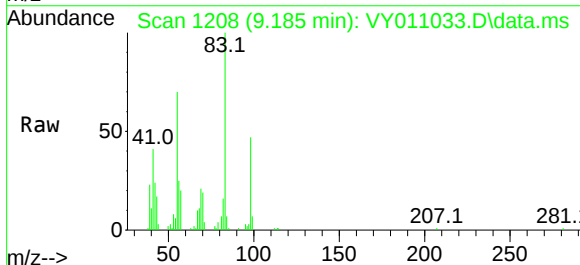
Instrument :
MSVOA_Y
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LSP-SS-04-05-15

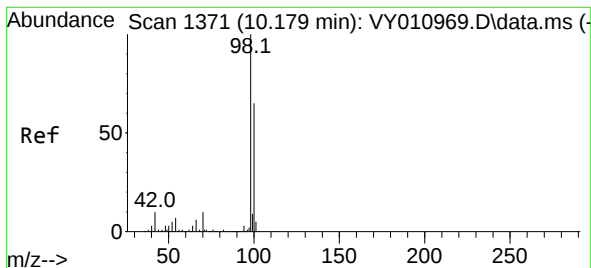
Tgt Ion:113 Resp: 200621
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 20.7 17.6 26.4



#39
Methylcyclohexane
Concen: 3.733 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

Tgt Ion: 83 Resp: 22179
Ion Ratio Lower Upper
83 100
55 69.9 66.5 99.7
98 46.9 37.9 56.9

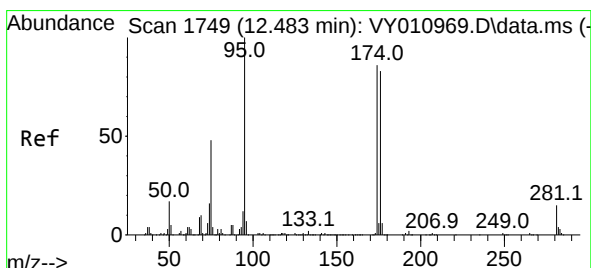
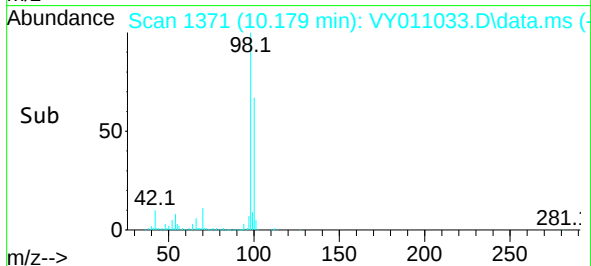
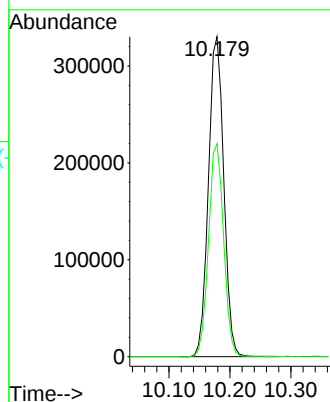
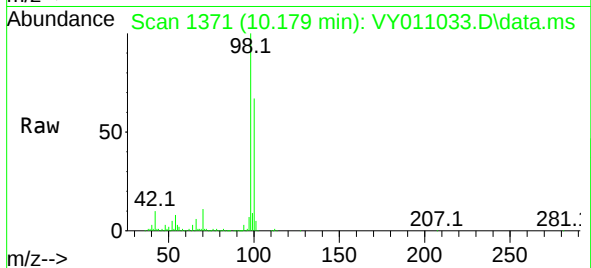




#50
Toluene-d8
Concen: 51.846 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

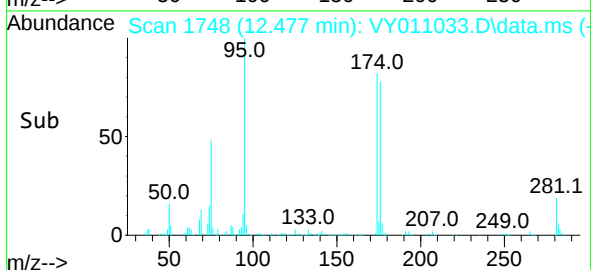
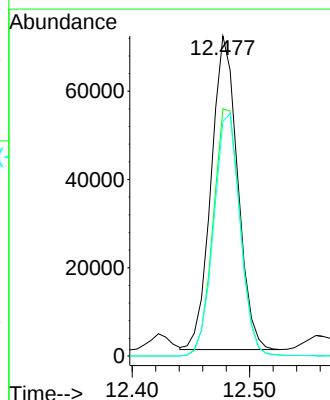
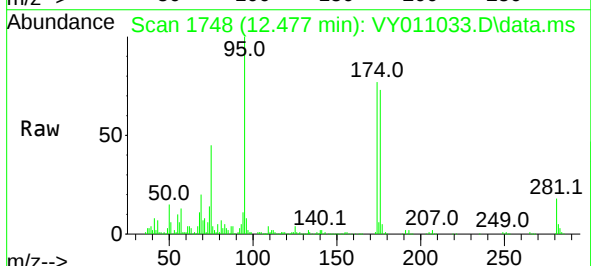
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-04-05-15

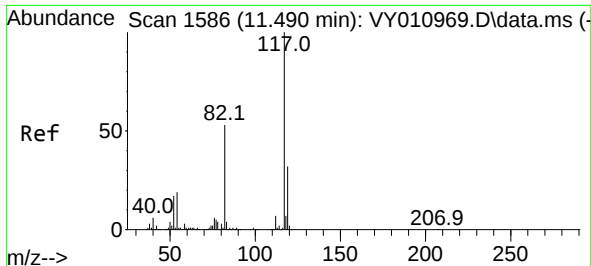
Tgt Ion: 98 Resp: 576795
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 26.862 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

Tgt Ion: 95 Resp: 111461
Ion Ratio Lower Upper
95 100
174 79.9 0.0 177.0
176 77.1 0.0 175.8

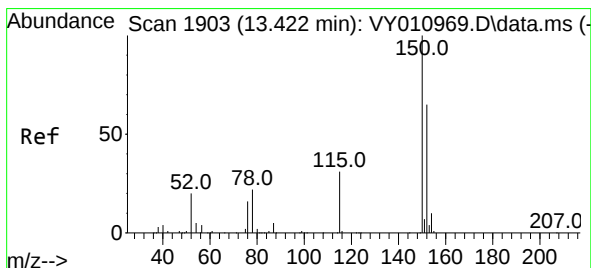
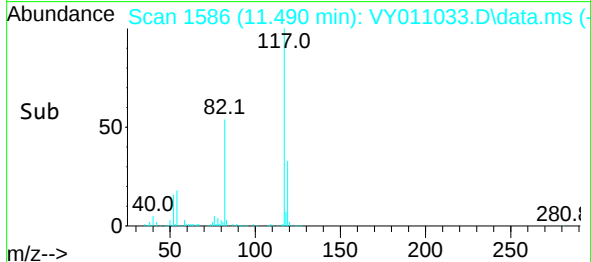
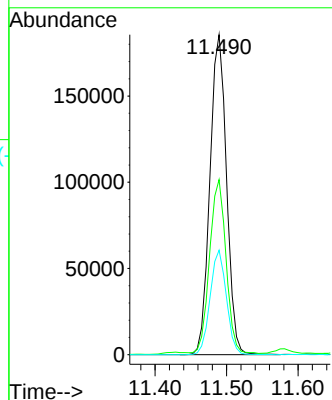
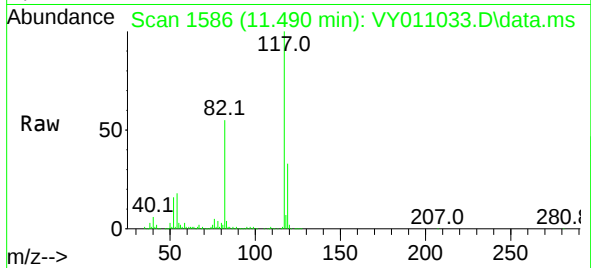




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

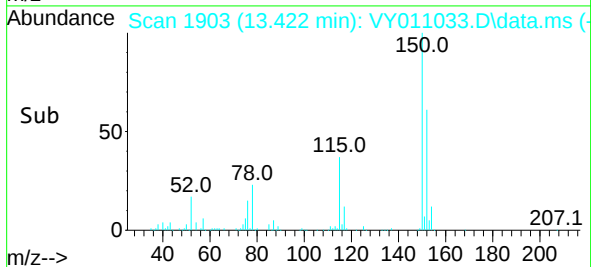
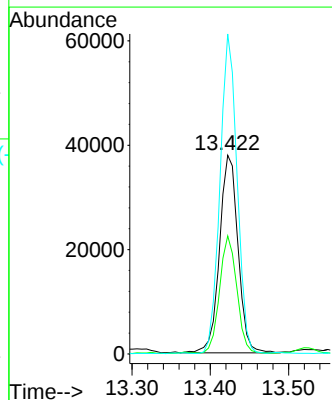
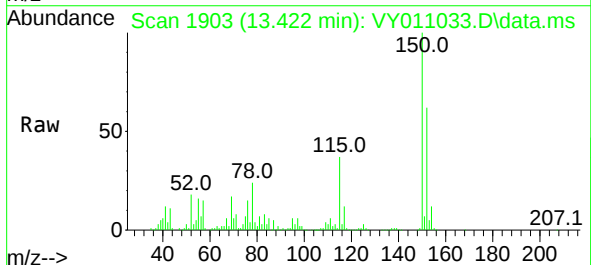
Instrument :
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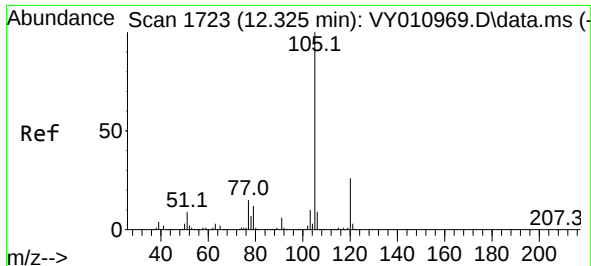
Tgt Ion:117 Resp: 299385
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

Tgt Ion:152 Resp: 62427
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 148.8 0.0 347.6

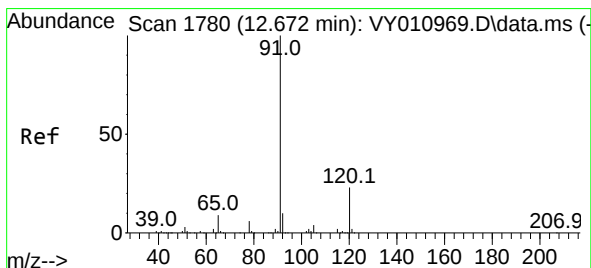
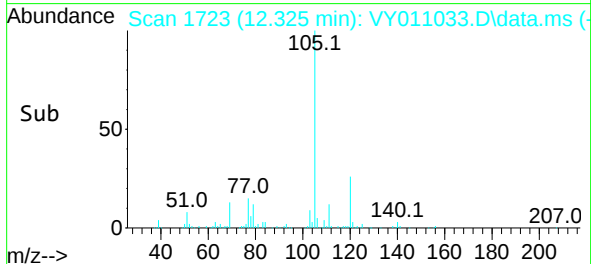
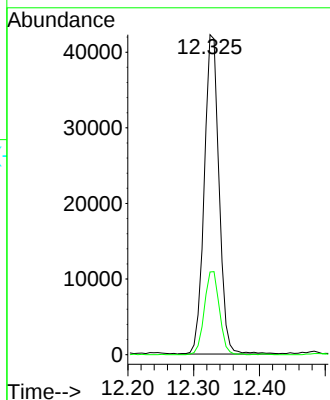
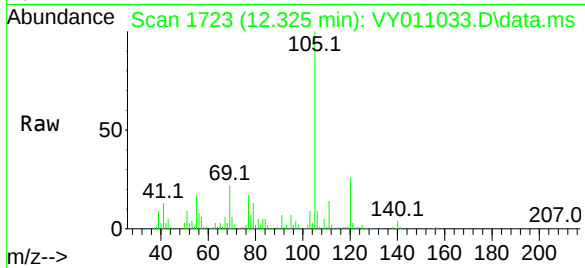




#73
Isopropylbenzene
Concen: 14.558 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

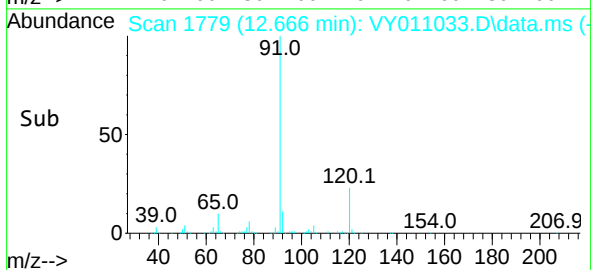
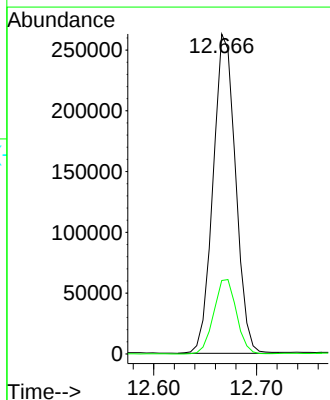
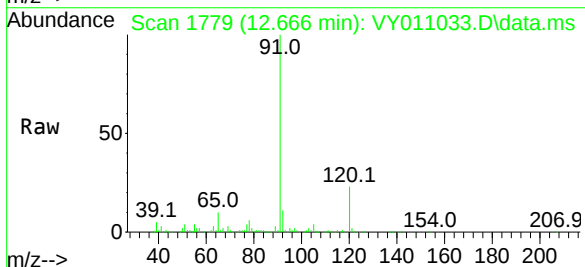
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-04-05-15

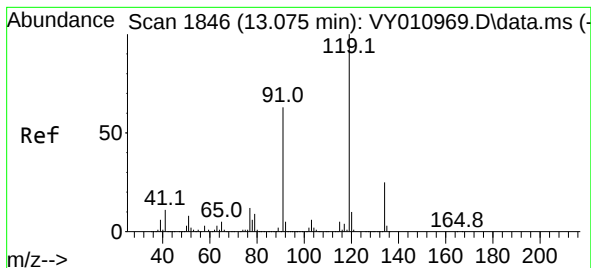
Tgt Ion:105 Resp: 66029
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2



#78
n-propylbenzene
Concen: 72.322 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY011033.D
Acq: 20 Oct 2022 18:14

Tgt Ion: 91 Resp: 399084
Ion Ratio Lower Upper
91 100
120 23.6 11.3 33.9





#83

tert-Butylbenzene

Concen: 1.773 ug/l

RT: 13.075 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY011033.D

Acq: 20 Oct 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-04-05-15

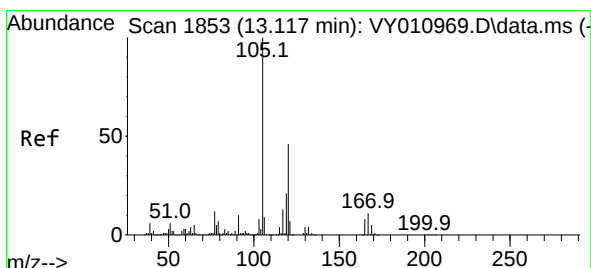
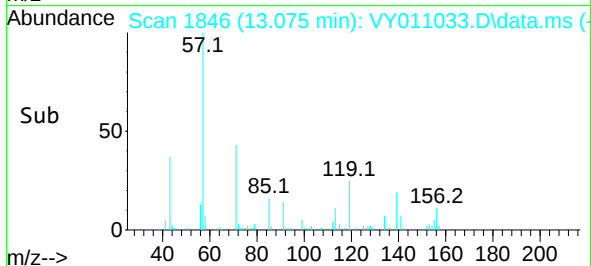
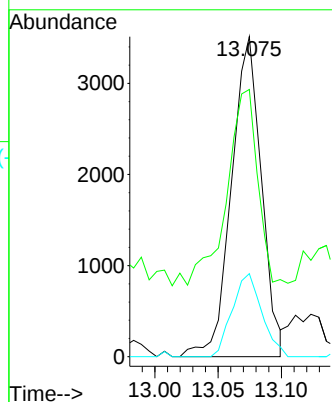
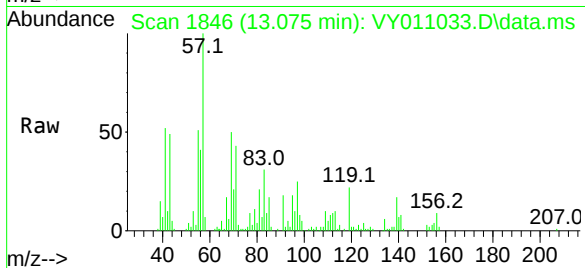
Tgt Ion:119 Resp: 5801

Ion Ratio Lower Upper

119 100

91 62.4 34.8 104.4

134 25.6 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 1.537 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY011033.D

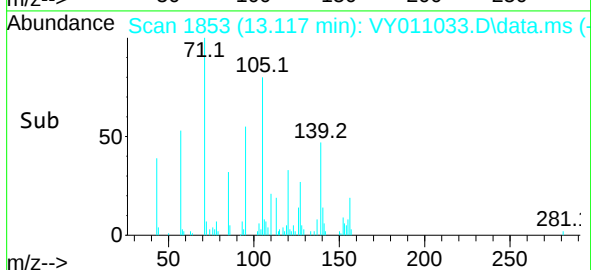
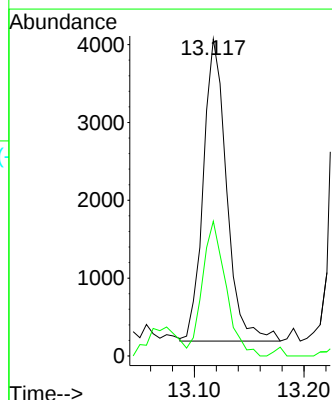
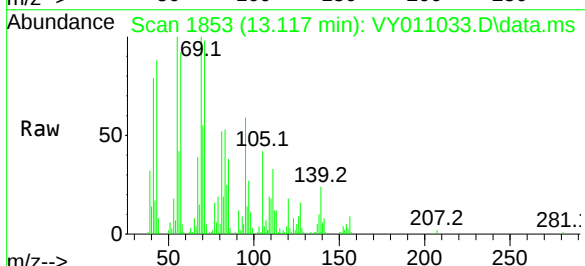
Acq: 20 Oct 2022 18:14

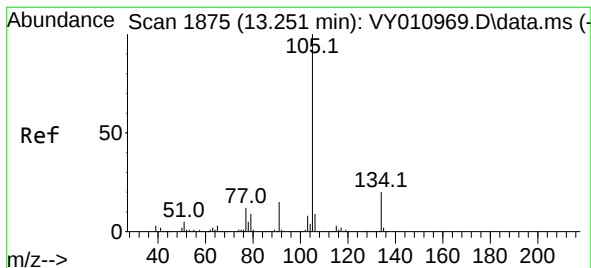
Tgt Ion:105 Resp: 5737

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 19.306 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY011033.D

Acq: 20 Oct 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

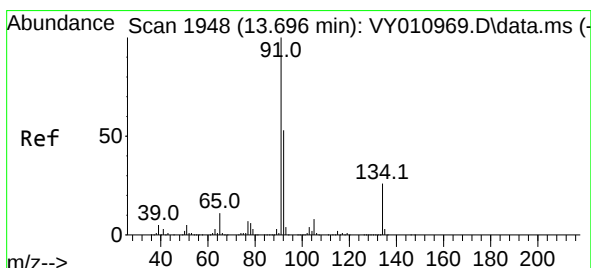
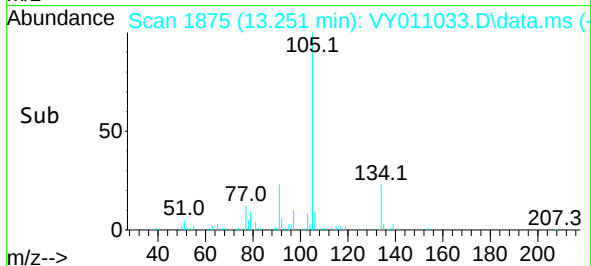
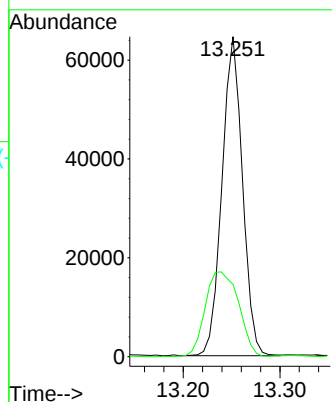
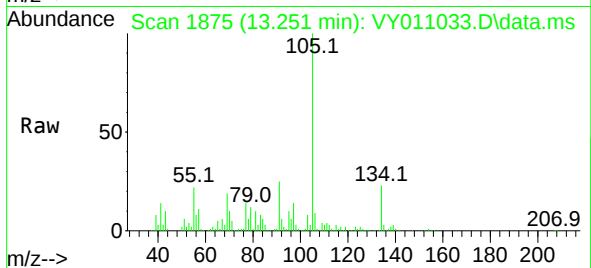
LSP-SS-04-05-15

Tgt Ion:105 Resp: 94932

Ion Ratio Lower Upper

105 100

134 43.5 10.2 30.4#



#89

n-Butylbenzene

Concen: 79.138 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY011033.D

Acq: 20 Oct 2022 18:14

Tgt Ion: 91 Resp: 301670

Ion Ratio Lower Upper

91 100

92 49.8 26.3 78.9

134 39.3 13.0 38.9#

