

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
 Data File : VY016233.D
 Acq On : 06 Nov 2023 13:46
 Operator : SY/MD
 Sample : 05253-04
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L-3(195FT)(0-5)

Quant Time: Nov 06 23:56:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

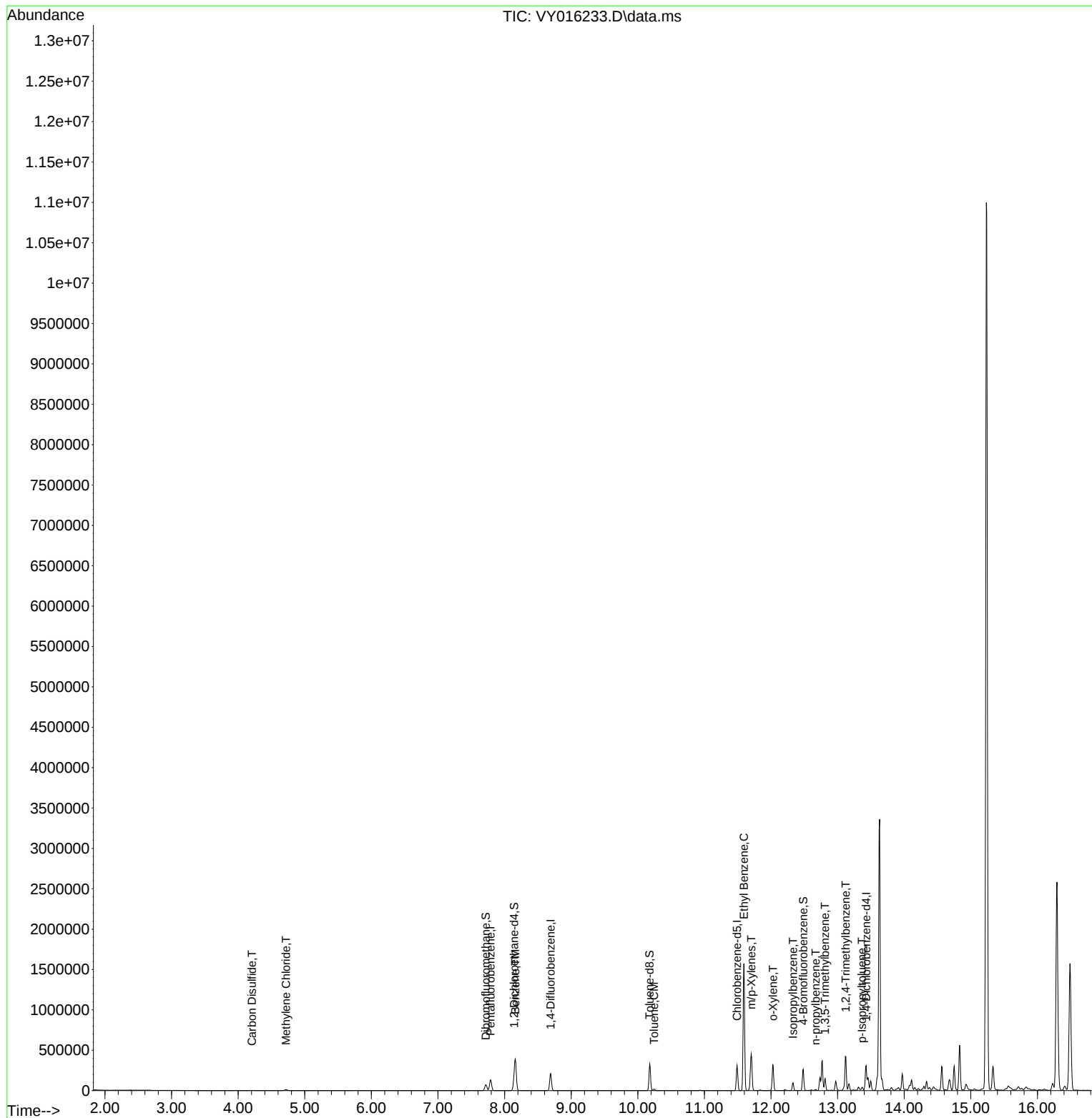
Internal Standards						
1) Pentafluorobenzene	7.789	168	104207	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	184713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	171757	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	78964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	59362	60.878	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.760%	
35) Dibromofluoromethane	7.716	113	52519	47.692	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.380%	
50) Toluene-d8	10.179	98	216459	49.578	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	12.483	95	76540	51.267	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.540%	
Target Compounds						Qvalue
17) Carbon Disulfide	4.204	76	7981	3.877	ug/l	99
20) Methylene Chloride	4.716	84	9754	7.230	ug/l #	86
40) Benzene	8.161	78	370470	81.153	ug/l	99
52) Toluene	10.246	92	7792	2.634	ug/l	98
67) Ethyl Benzene	11.593	91	1061756	173.959	ug/l	99
68) m/p-Xylenes	11.703	106	143823	60.981	ug/l	94
69) o-Xylene	12.032	106	86131	38.249	ug/l	98
73) Isopropylbenzene	12.331	105	59945	10.120	ug/l	99
78) n-propylbenzene	12.672	91	10233	1.461	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	70837	14.761	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	234109	49.302	ug/l	97
86) p-Isopropyltoluene	13.367	119	15308	2.931	ug/l #	76

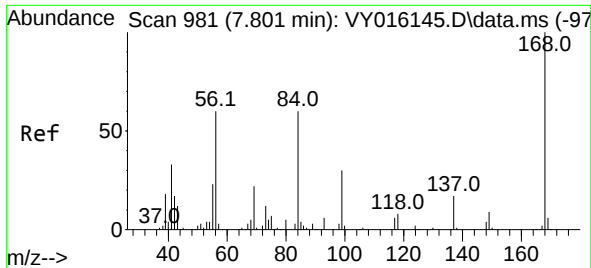
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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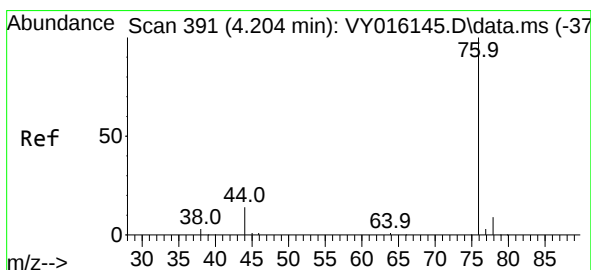
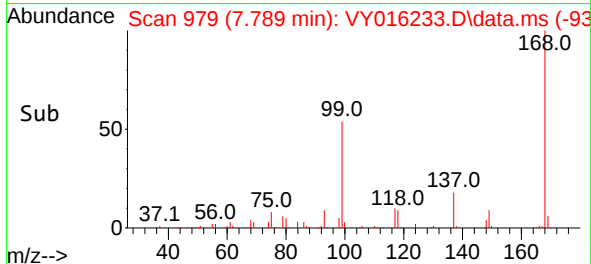
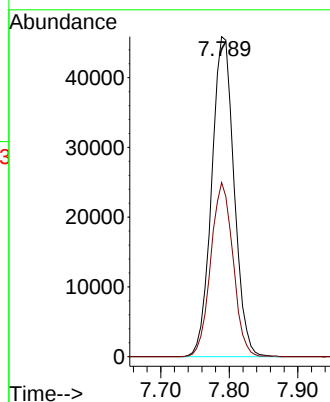
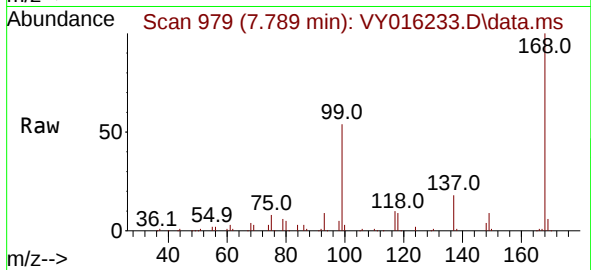




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

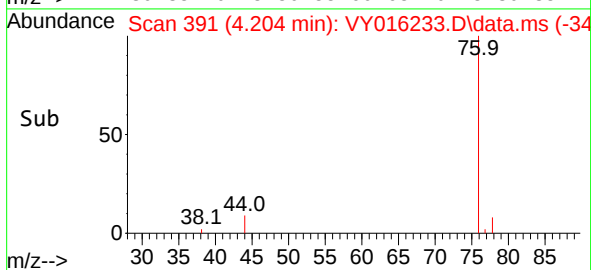
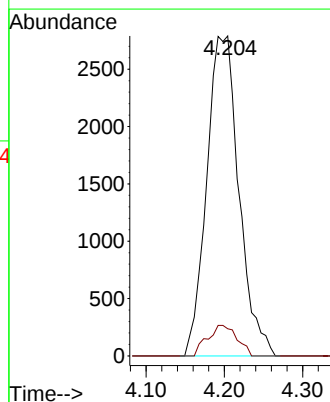
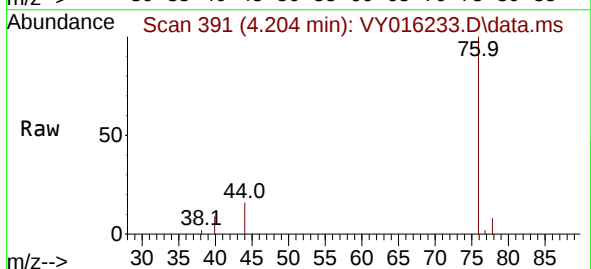
Instrument :
MSVOA_Y
ClientSampleId :
L-3(195FT)(0-5)

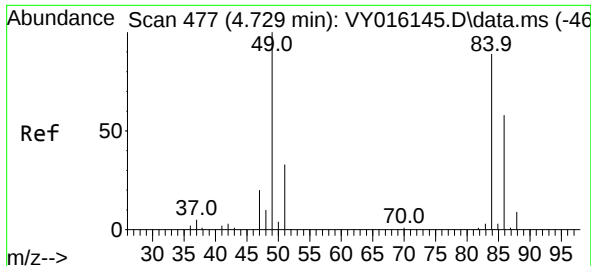
Tgt Ion:168 Resp: 104207
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#17
Carbon Disulfide
Concen: 3.877 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

Tgt Ion: 76 Resp: 7981
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

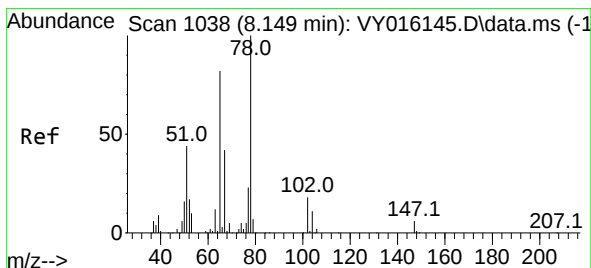
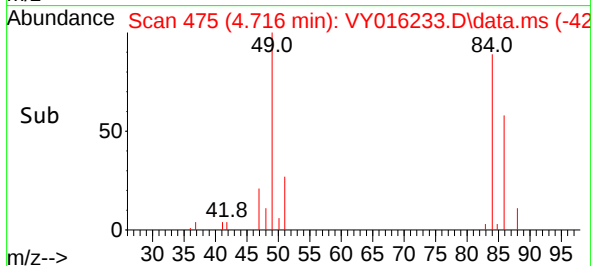
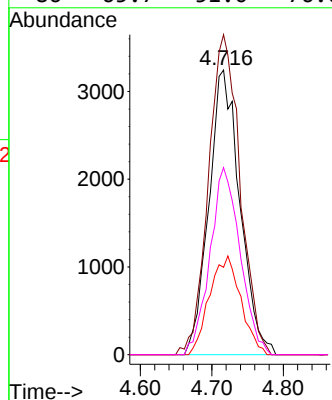
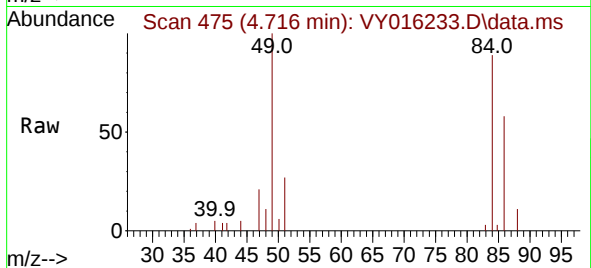




#20
Methylene Chloride
Concen: 7.230 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

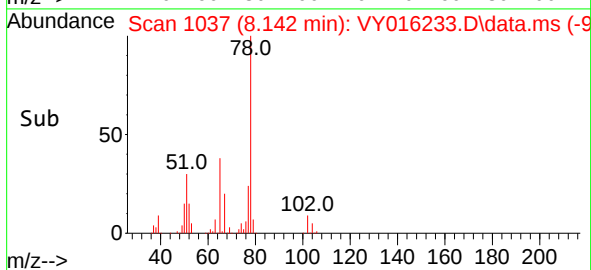
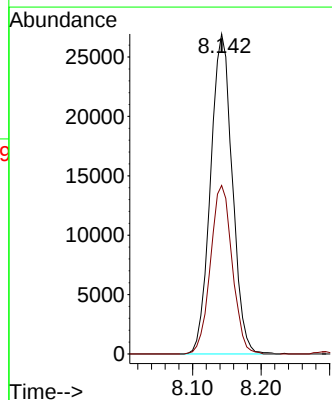
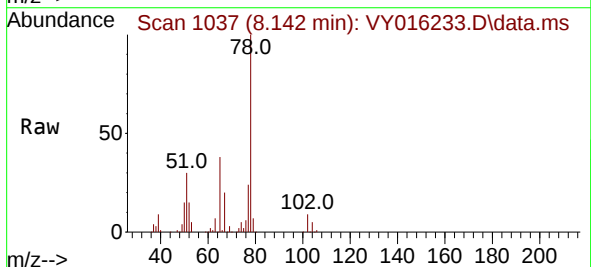
Instrument :
MSVOA_Y
ClientSampleId :
L-3(195FT)(0-5)

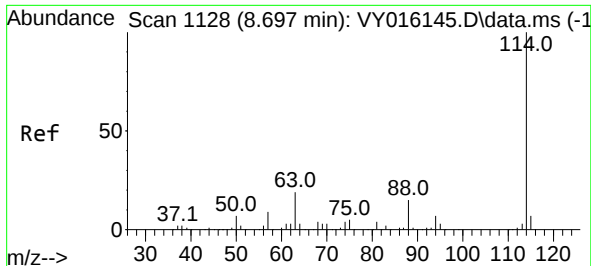
Tgt Ion:	84	Resp:	9754
Ion	Ratio	Lower	Upper
84	100		
49	112.4	106.9	160.3
51	30.7	33.2	49.8#
86	65.7	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 60.878 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

Tgt Ion:	65	Resp:	59362
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

L-3(195FT)(0-5)

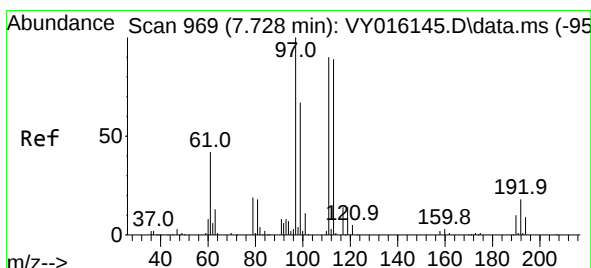
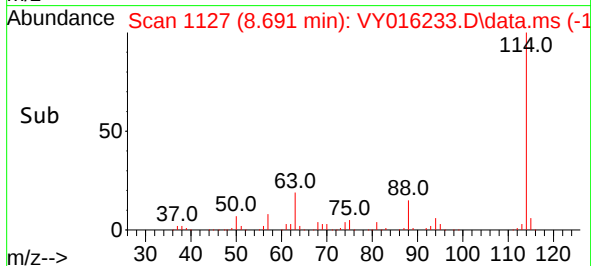
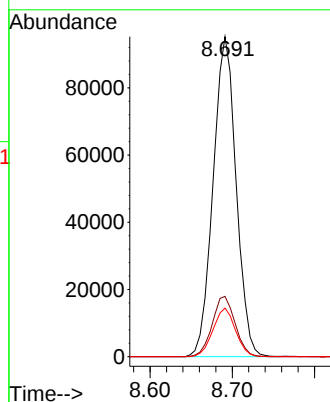
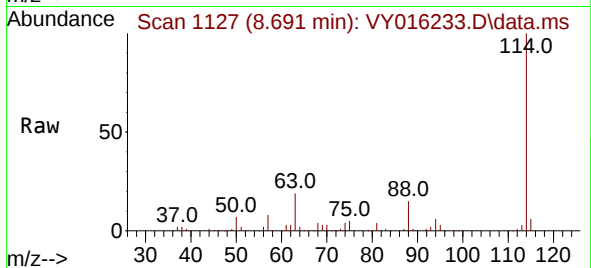
Tgt Ion:114 Resp: 184713

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.692 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

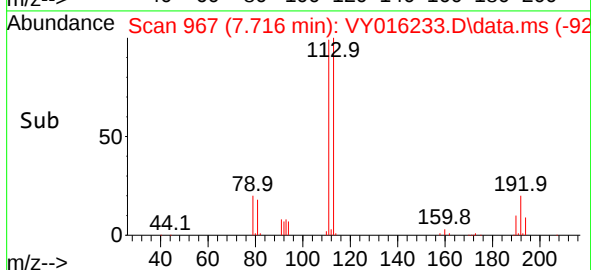
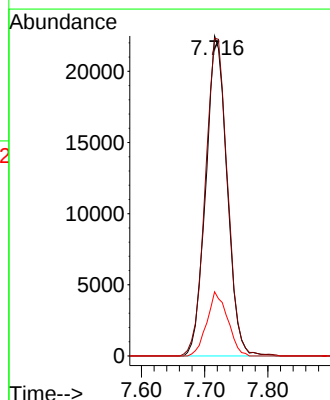
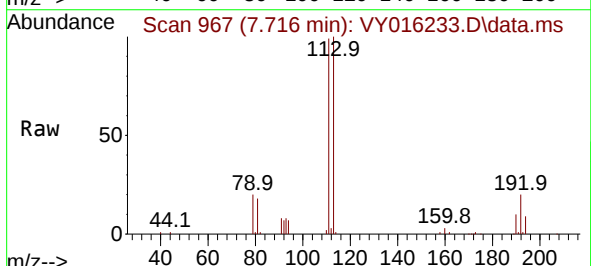
Tgt Ion:113 Resp: 52519

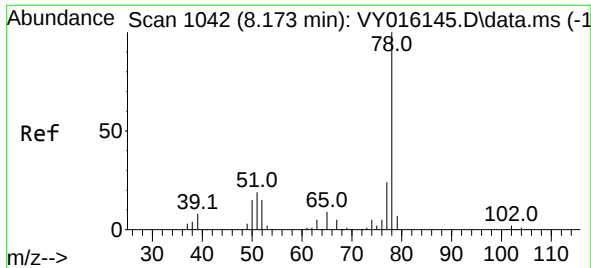
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 19.6 16.9 25.3

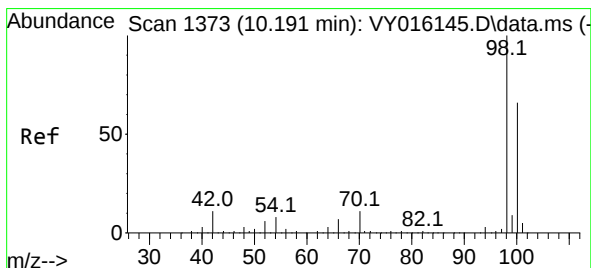
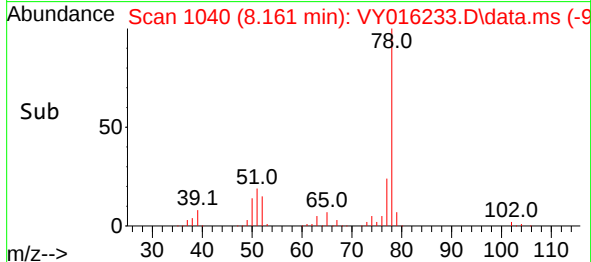
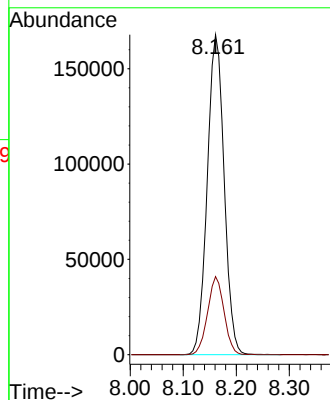
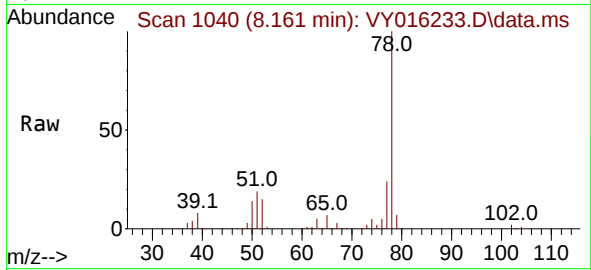




#40
Benzene
Concen: 81.153 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

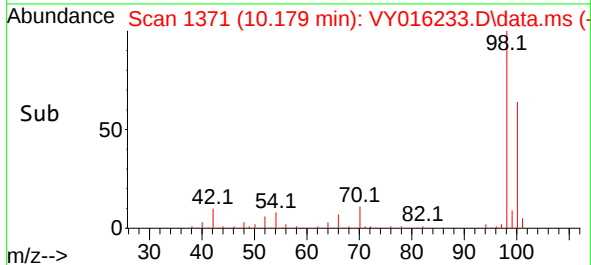
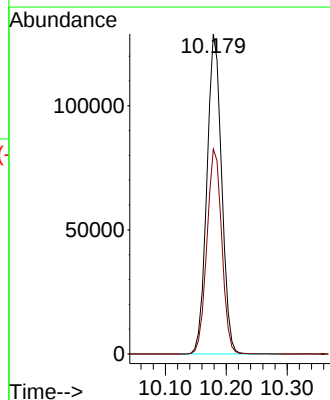
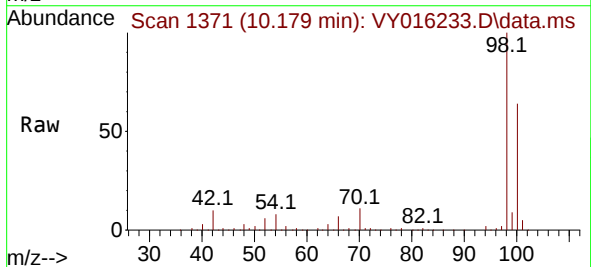
Instrument :
MSVOA_Y
ClientSampleId :
L-3(195FT)(0-5)

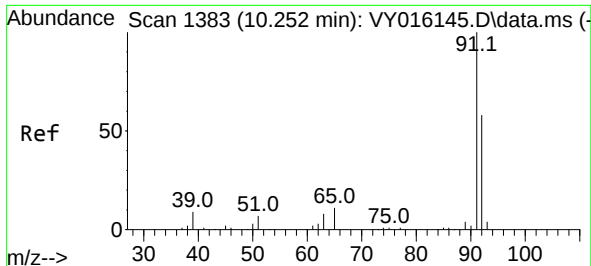
Tgt Ion: 78 Resp: 370470
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



#50
Toluene-d8
Concen: 49.578 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.012 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

Tgt Ion: 98 Resp: 216459
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1





#52

Toluene

Concen: 2.634 ug/l

RT: 10.246 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

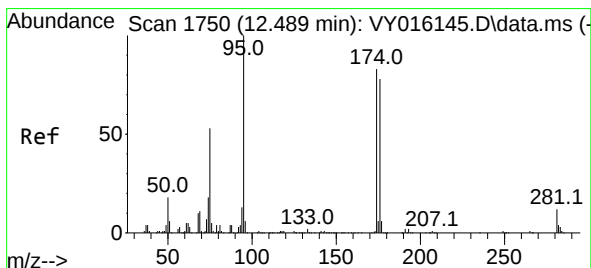
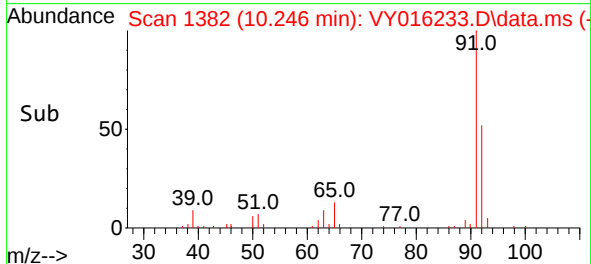
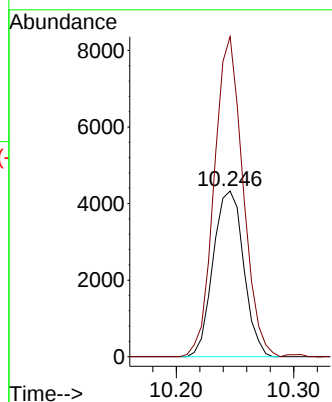
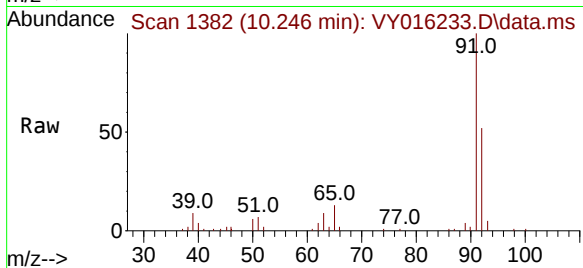
L-3(195FT)(0-5)

Tgt Ion: 92 Resp: 7792

Ion Ratio Lower Upper

92 100

91 182.3 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 51.267 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

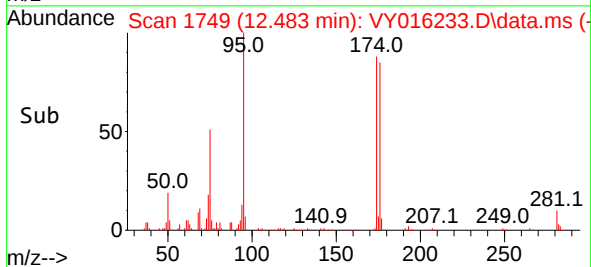
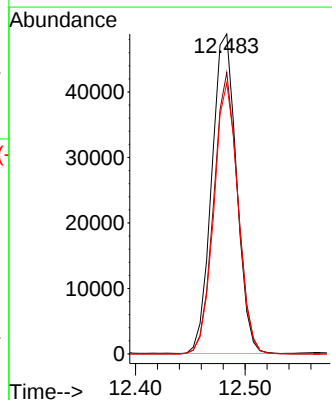
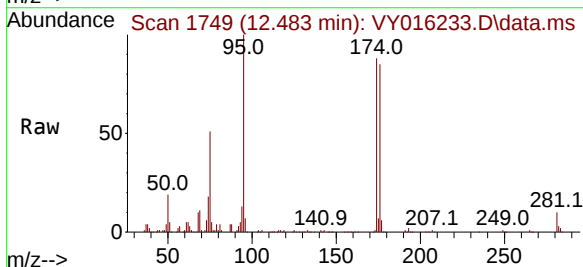
Tgt Ion: 95 Resp: 76540

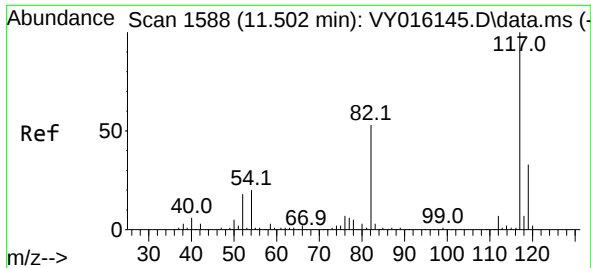
Ion Ratio Lower Upper

95 100

174 85.8 0.0 178.2

176 83.0 0.0 173.8

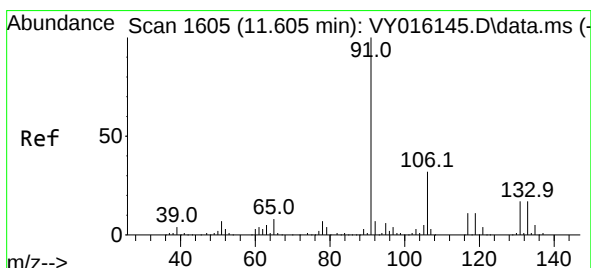
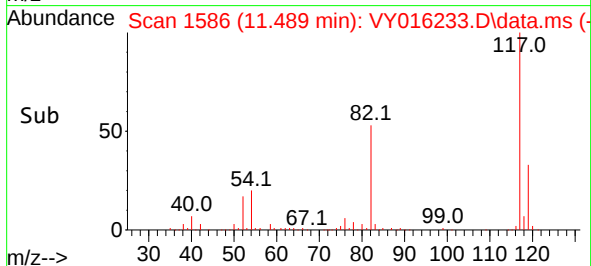
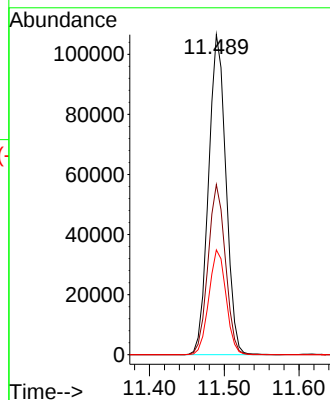
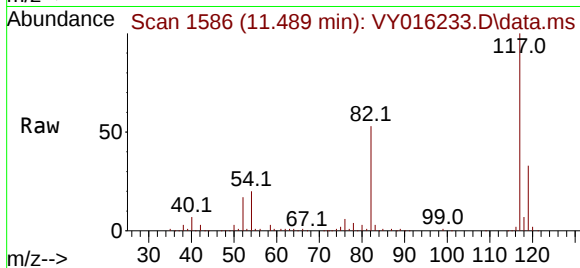




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.012 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

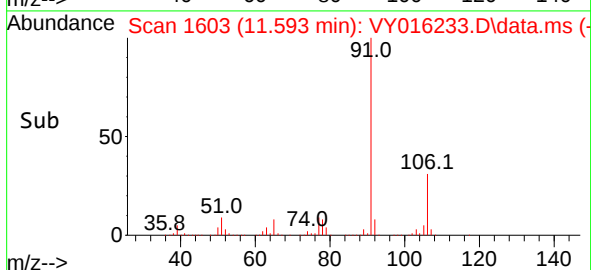
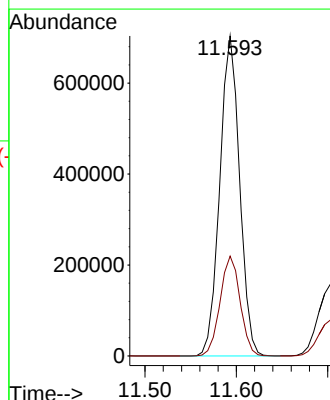
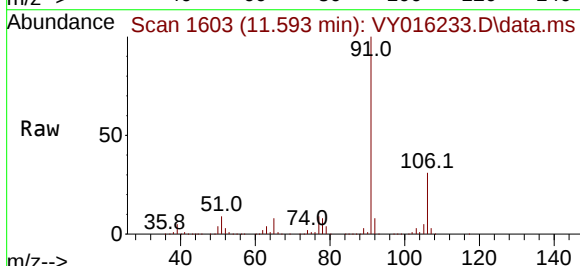
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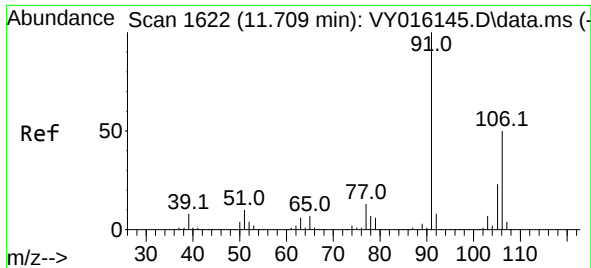
Tgt Ion:117 Resp: 171757
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.7 26.3 39.5



#67
Ethyl Benzene
Concen: 173.959 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.012 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

Tgt Ion: 91 Resp: 1061756
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

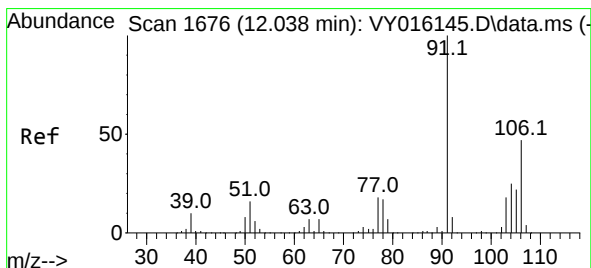
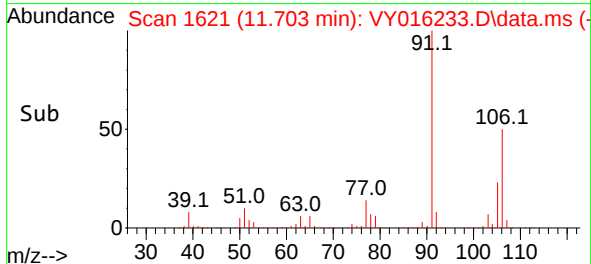
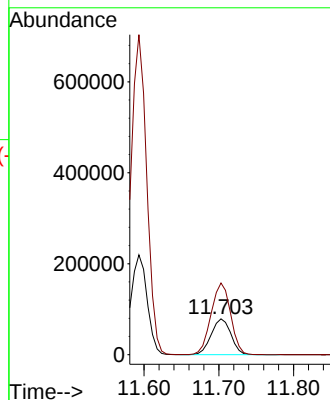
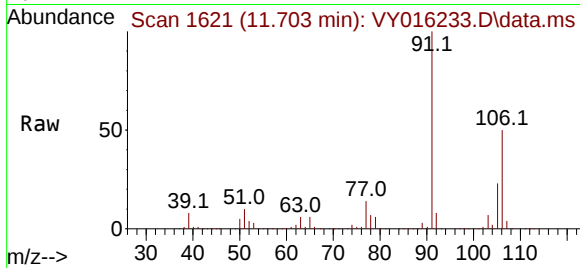




#68
m/p-Xylenes
Concen: 60.981 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

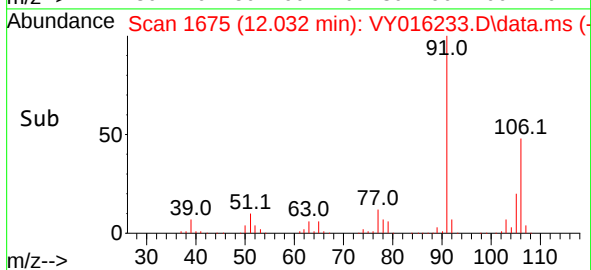
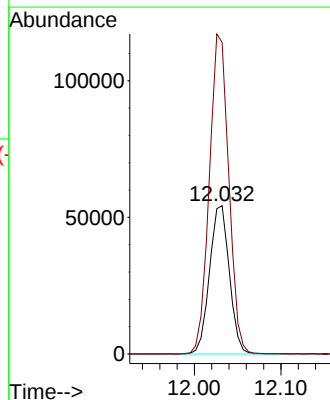
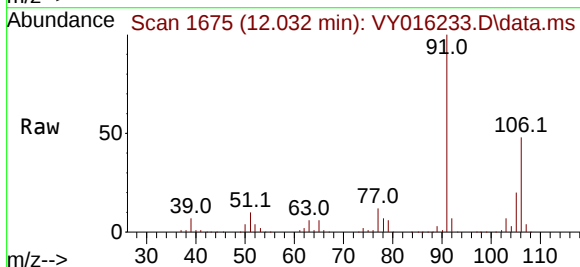
Instrument :
MSVOA_Y
ClientSampleId :
L-3(195FT)(0-5)

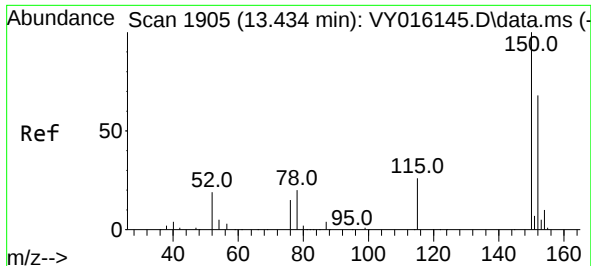
Tgt Ion:106 Resp: 143823
Ion Ratio Lower Upper
106 100
91 198.6 166.1 249.1



#69
o-Xylene
Concen: 38.249 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

Tgt Ion:106 Resp: 86131
Ion Ratio Lower Upper
106 100
91 212.4 108.1 324.3

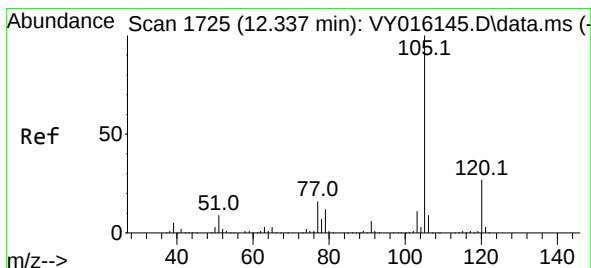
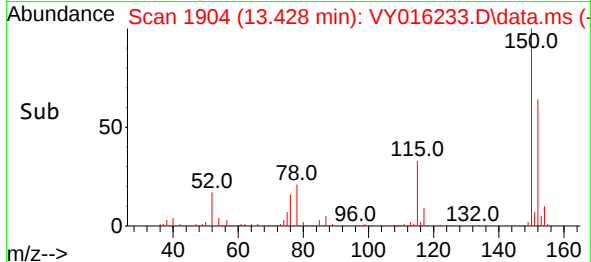
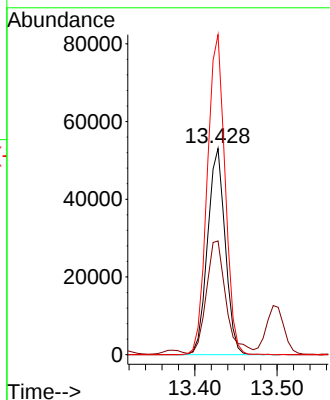
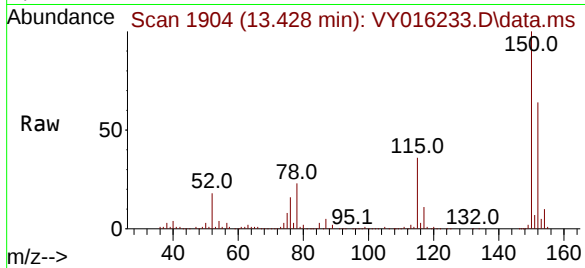




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

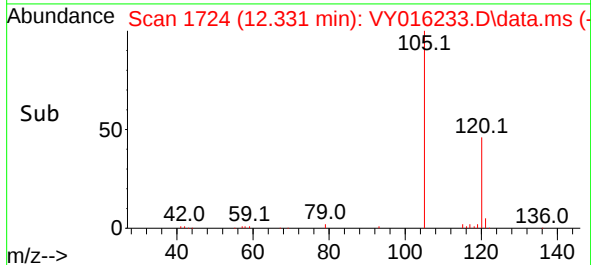
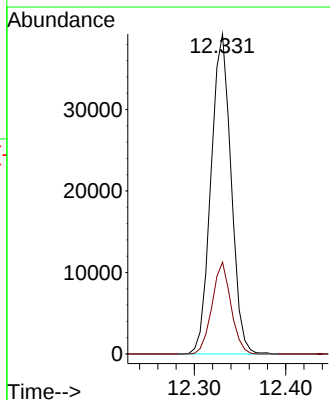
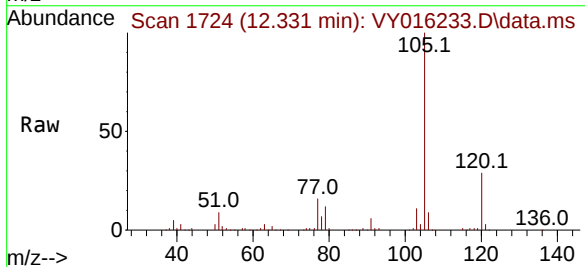
Instrument :
MSVOA_Y
ClientSampleId :
L-3(195FT)(0-5)

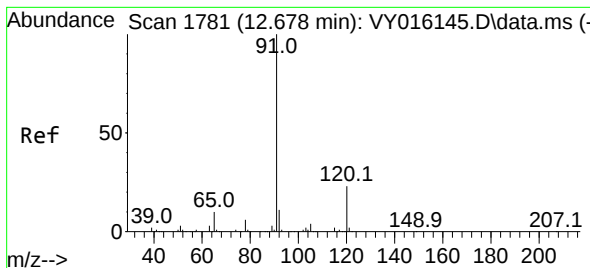
Tgt Ion:152 Resp: 78964
Ion Ratio Lower Upper
152 100
115 60.0 28.8 86.5
150 157.0 0.0 348.8



#73
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.006 min
Lab File: VY016233.D
Acq: 06 Nov 2023 13:46

Tgt Ion:105 Resp: 59945
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9





#78

n-propylbenzene

Concen: 1.461 ug/l

RT: 12.672 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

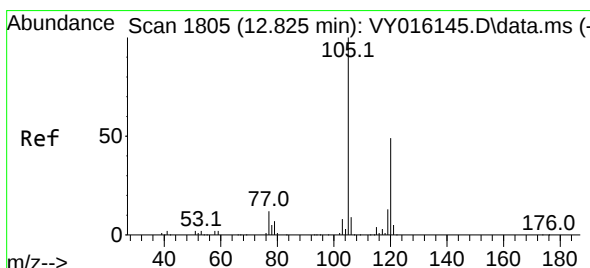
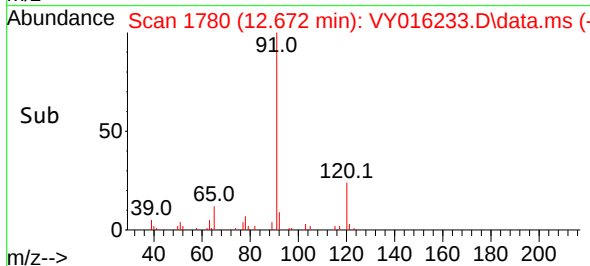
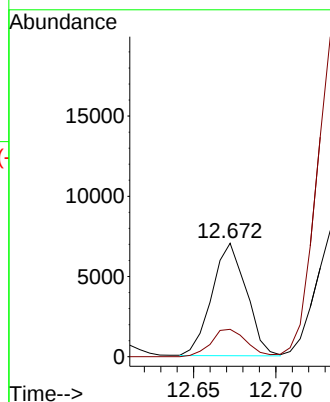
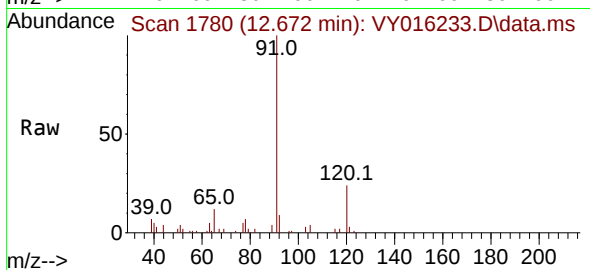
L-3(195FT)(0-5)

Tgt Ion: 91 Resp: 10233

Ion Ratio Lower Upper

91 100

120 25.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 14.761 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.012 min

Lab File: VY016233.D

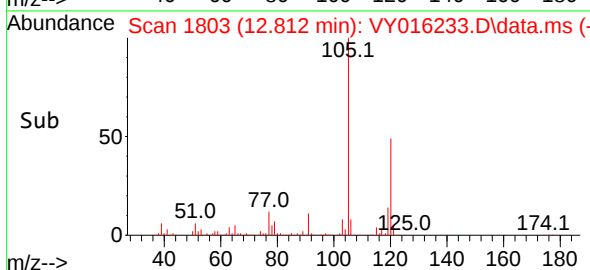
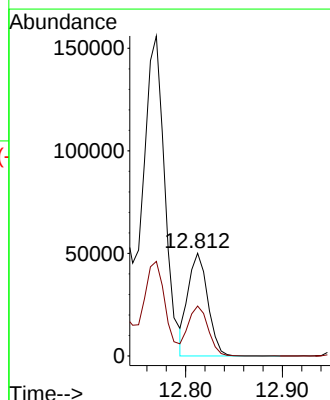
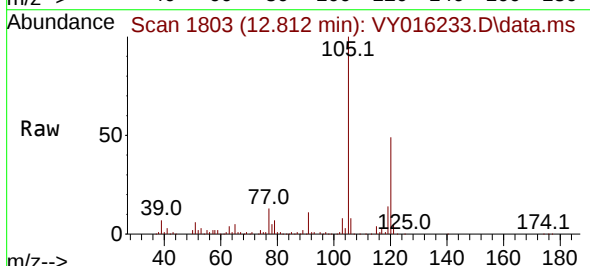
Acq: 06 Nov 2023 13:46

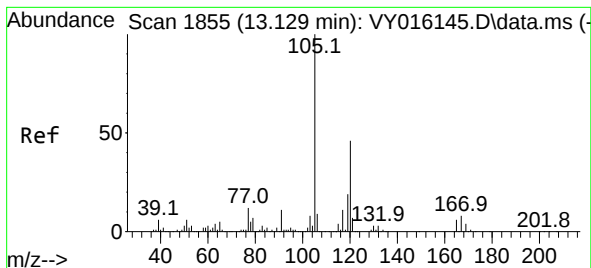
Tgt Ion: 105 Resp: 70837

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 49.302 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

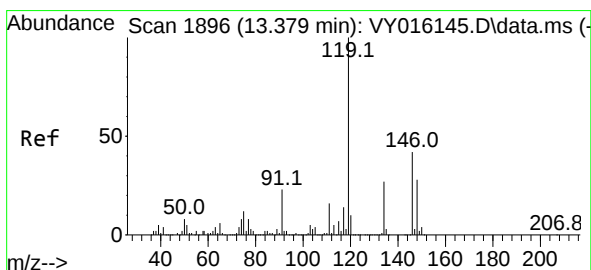
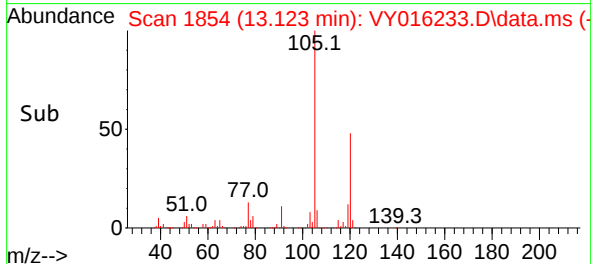
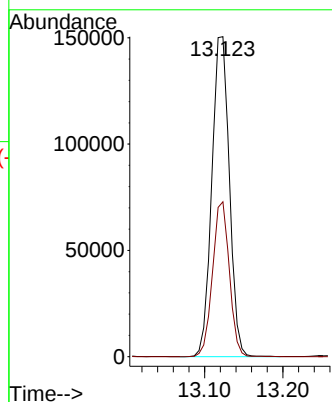
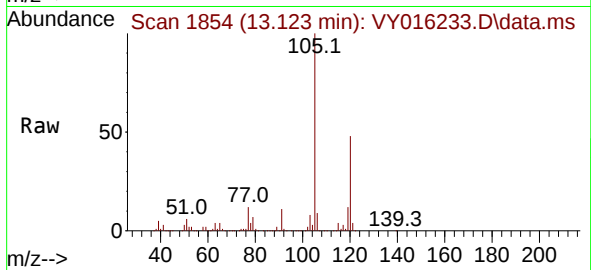
L-3(195FT)(0-5)

Tgt Ion:105 Resp: 234109

Ion Ratio Lower Upper

105 100

120 46.4 22.2 66.6



#86

p-Isopropyltoluene

Concen: 2.931 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.012 min

Lab File: VY016233.D

Acq: 06 Nov 2023 13:46

Tgt Ion:119 Resp: 15308

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 0.0 12.4 37.4#

