

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013662.D
 Acq On : 09 May 2023 12:51
 Operator : KP/MD
 Sample : 02658-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 503RE

Quant Time: May 10 05:35:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

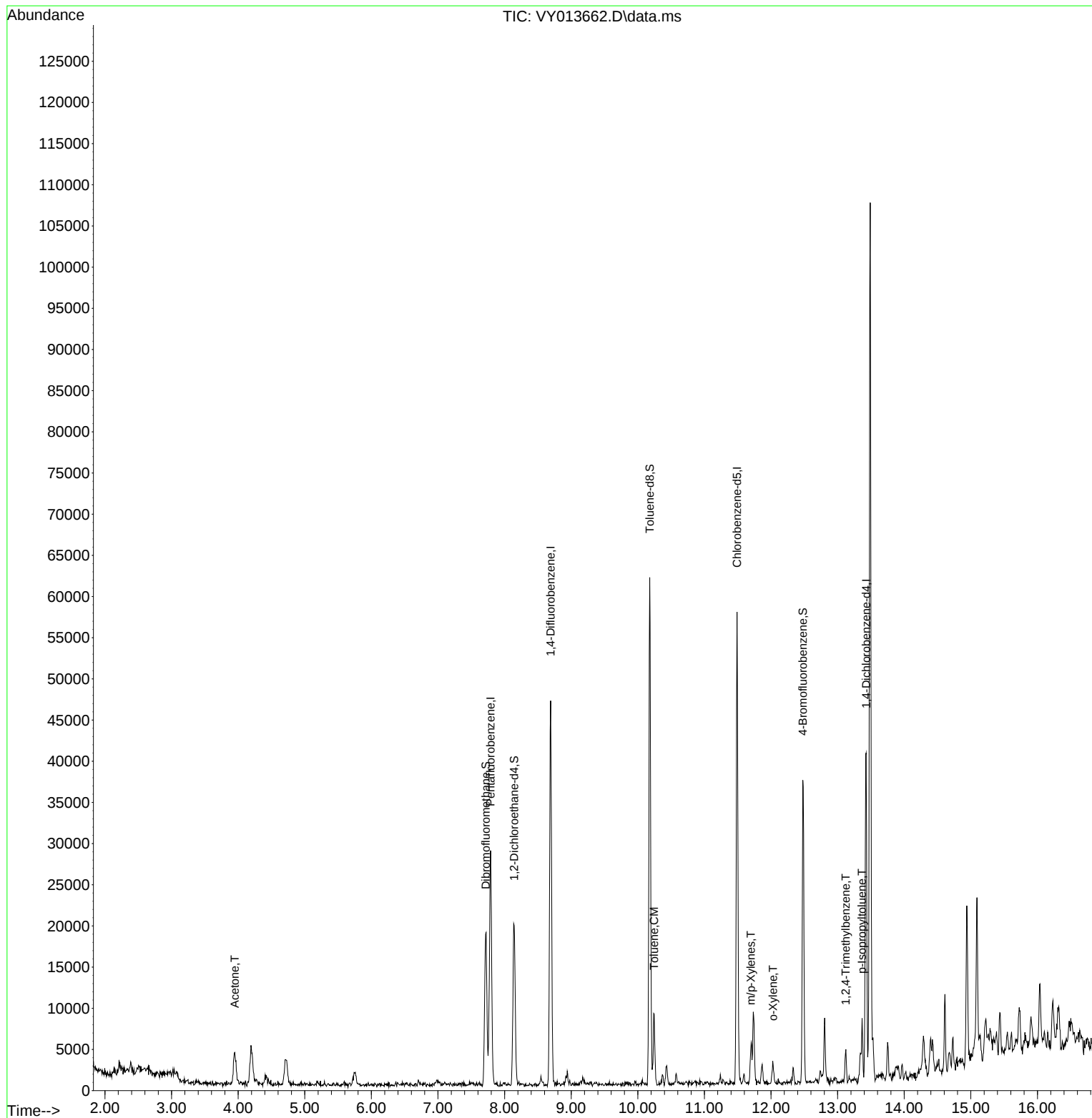
Internal Standards						
1) Pentafluorobenzene	7.789	168	21535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	34303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	30752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15481	65.578	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 131.160%		
35) Dibromofluoromethane	7.716	113	13190	61.136	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 122.280%		
50) Toluene-d8	10.179	98	39626	51.629	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 103.260%		
62) 4-Bromofluorobenzene	12.477	95	10804	41.755	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 83.520%		
Target Compounds						
						Qvalue
16) Acetone	3.948	43	7174	77.167	ug/l	98
52) Toluene	10.246	92	3211	5.290	ug/l	95
68) m/p-Xylenes	11.697	106	1417	3.169	ug/l	99
69) o-Xylene	12.032	106	579	1.369	ug/l	79
84) 1,2,4-Trimethylbenzene	13.123	105	2134	3.340	ug/l	98
86) p-Isopropyltoluene	13.367	119	3535	5.145	ug/l	91

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

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Response via : Initial Calibration

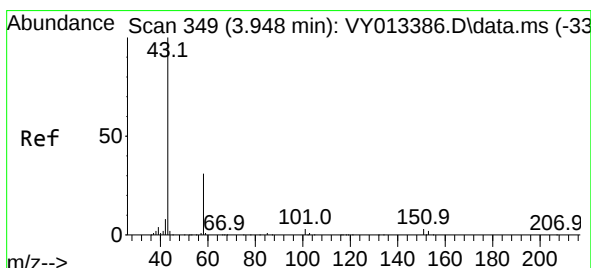
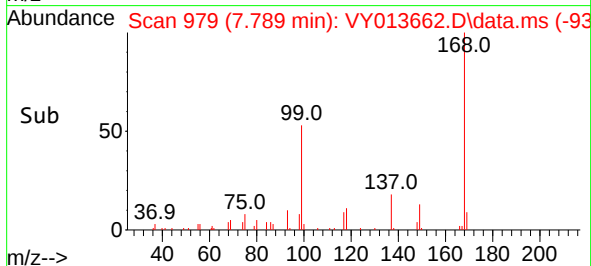
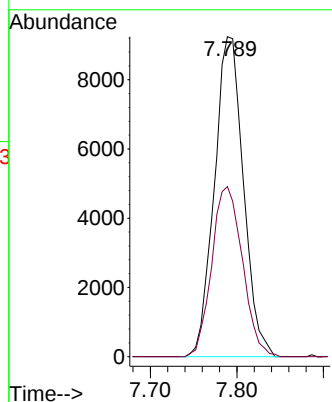
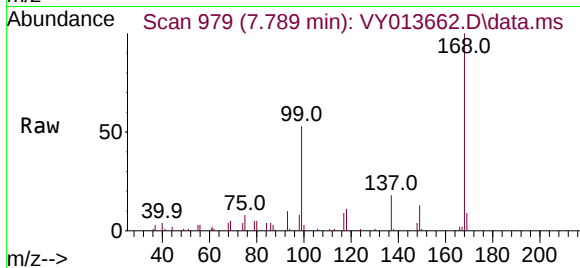




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

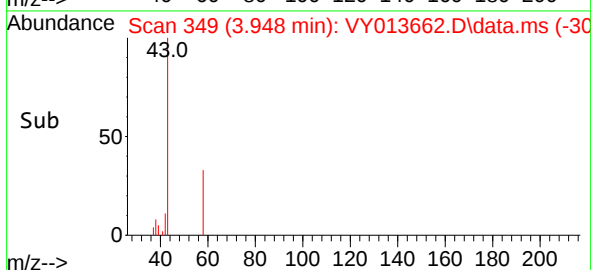
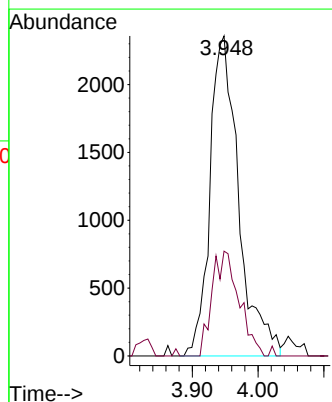
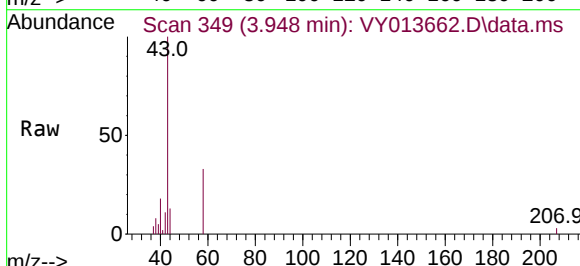
Instrument :
MSVOA_Y
ClientSampleId :
503RE

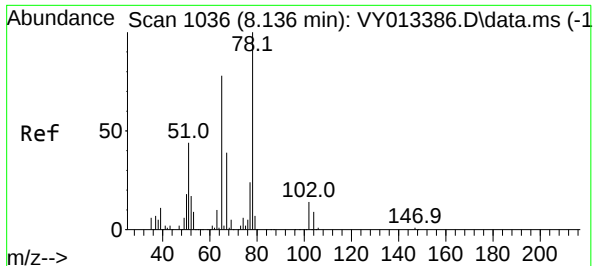
Tgt Ion:168 Resp: 21535
Ion Ratio Lower Upper
168 100
99 53.2 41.8 62.6



#16
Acetone
Concen: 77.167 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

Tgt Ion: 43 Resp: 7174
Ion Ratio Lower Upper
43 100
58 32.7 25.4 38.0





#33

1,2-Dichloroethane-d4

Concen: 65.578 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY013662.D

Acq: 09 May 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

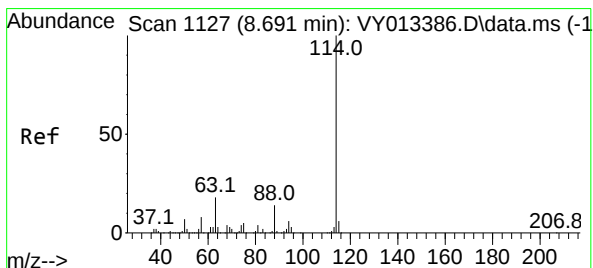
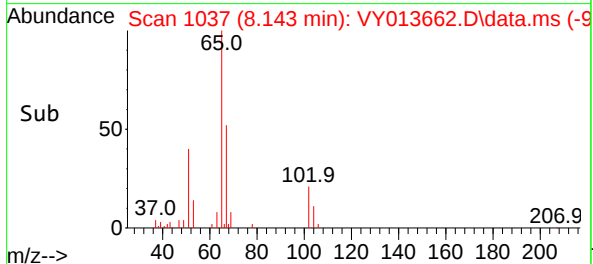
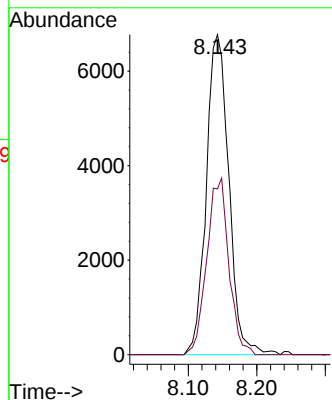
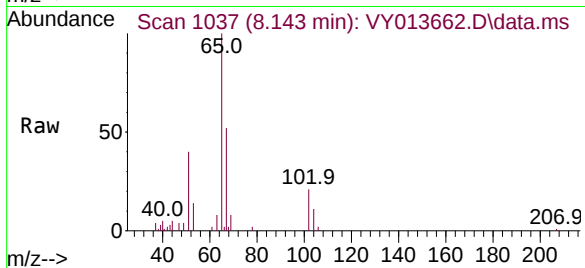
503RE

Tgt Ion: 65 Resp: 15481

Ion Ratio Lower Upper

65 100

67 54.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013662.D

Acq: 09 May 2023 12:51

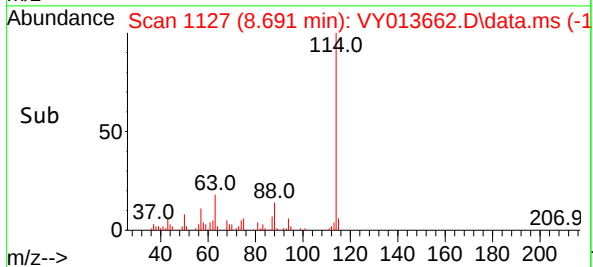
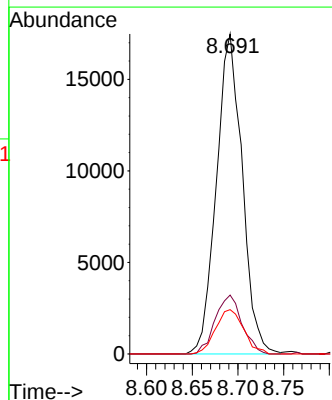
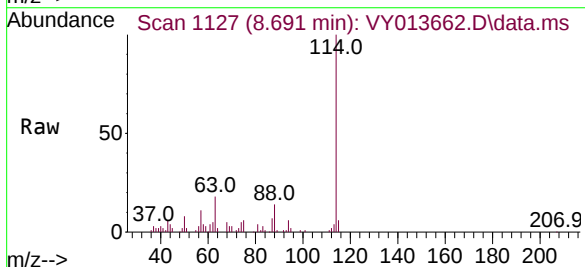
Tgt Ion: 114 Resp: 34303

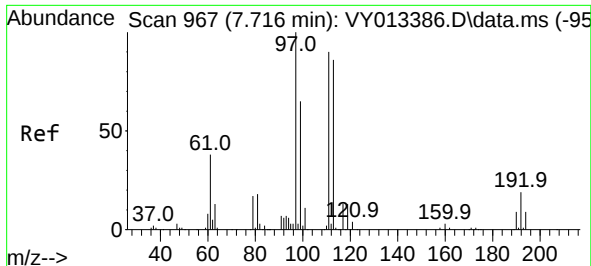
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

88 13.9 0.0 28.8

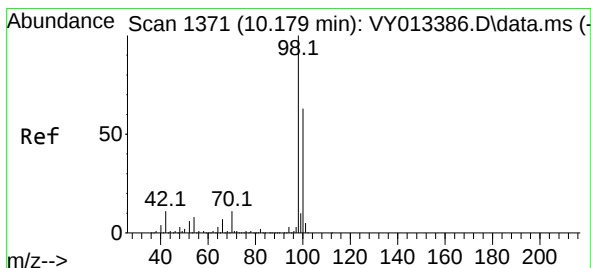
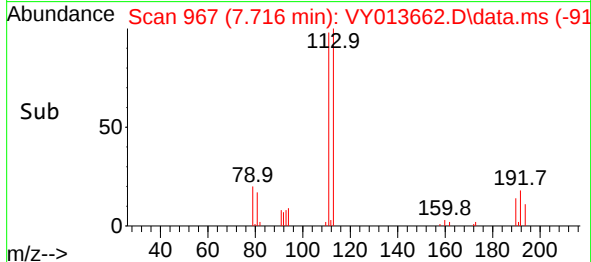
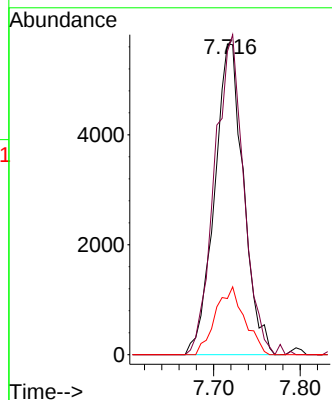
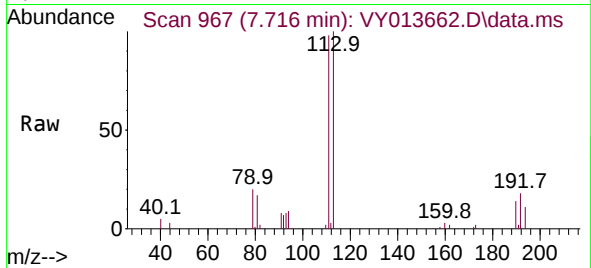




#35
Dibromofluoromethane
Concen: 61.136 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

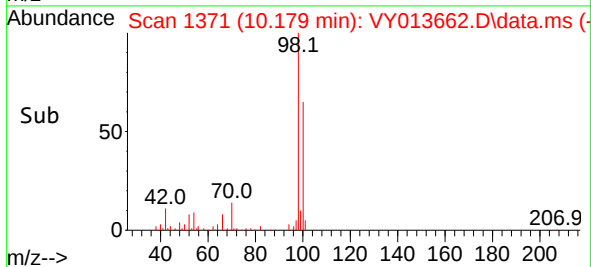
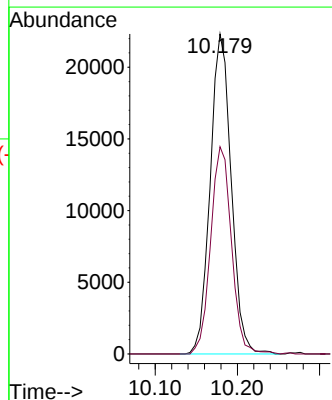
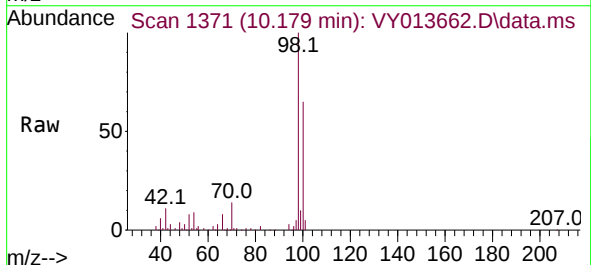
Instrument :
MSVOA_Y
ClientSampleId :
503RE

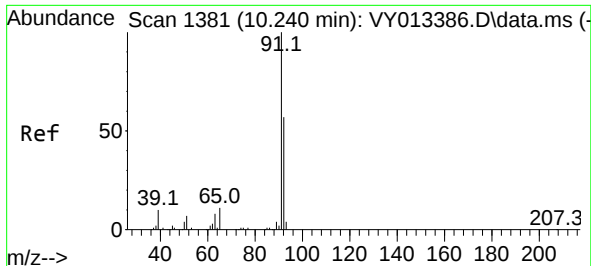
Tgt Ion:113 Resp: 13190
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 21.8 16.7 25.1



#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

Tgt Ion: 98 Resp: 39626
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

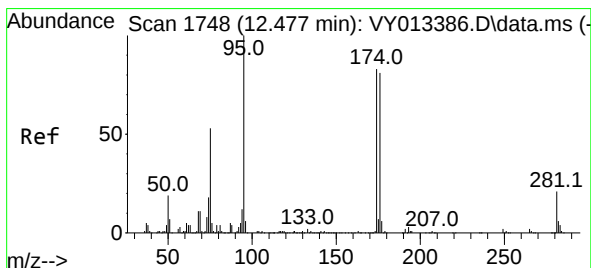
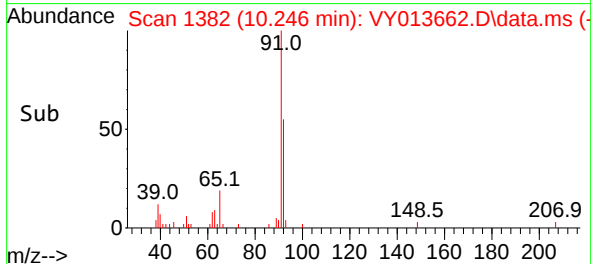
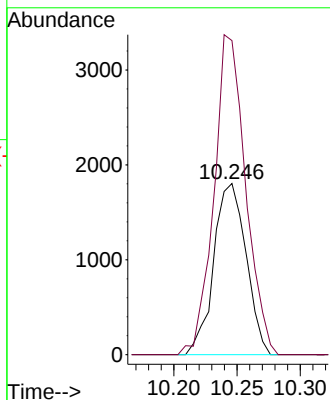
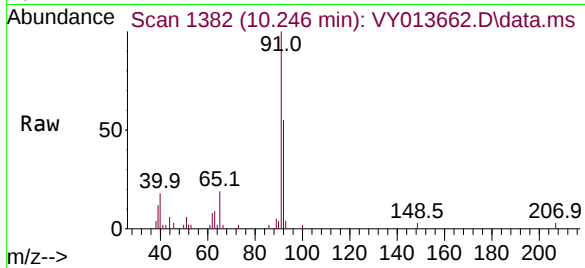




#52
Toluene
Concen: 5.290 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

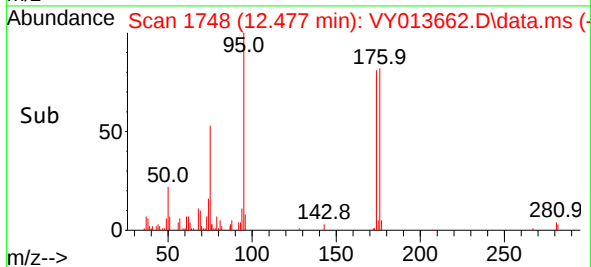
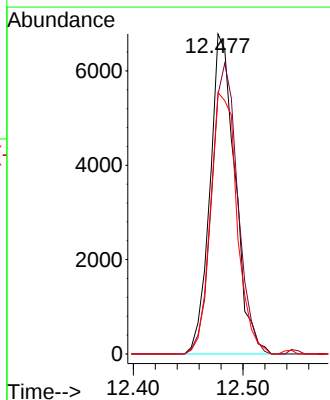
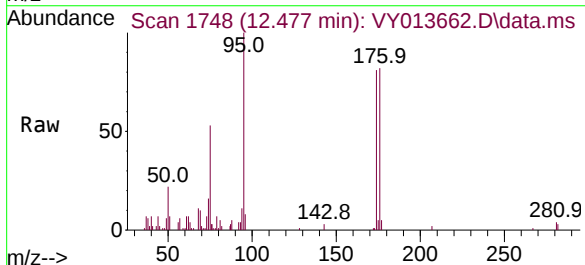
Instrument :
MSVOA_Y
ClientSampleId :
503RE

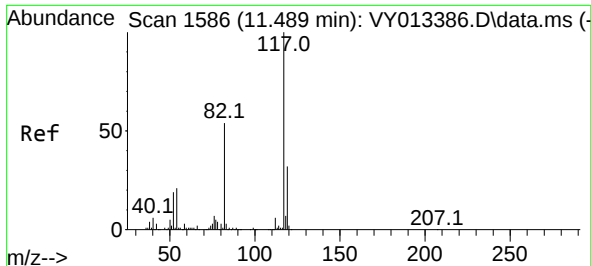
Tgt Ion: 92 Resp: 3211
Ion Ratio Lower Upper
92 100
91 182.8 140.2 210.4



#62
4-Bromofluorobenzene
Concen: 41.755 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

Tgt Ion: 95 Resp: 10804
Ion Ratio Lower Upper
95 100
174 93.7 0.0 182.0
176 86.4 0.0 175.4

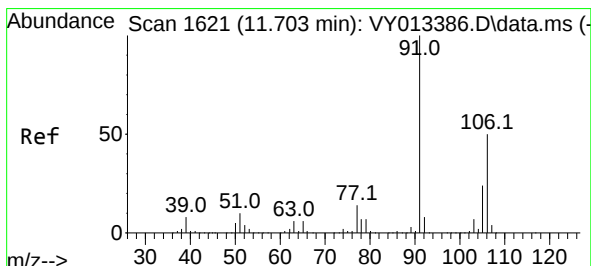
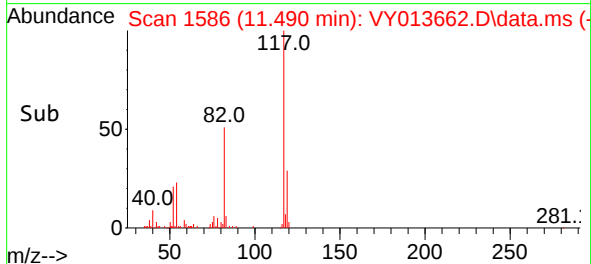
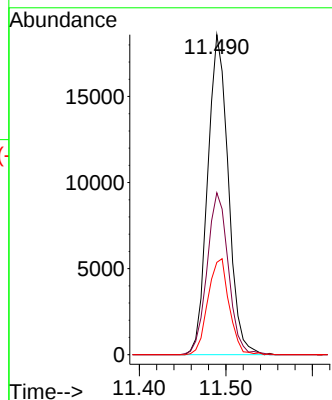
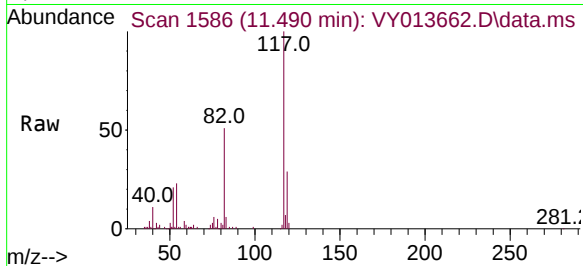




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

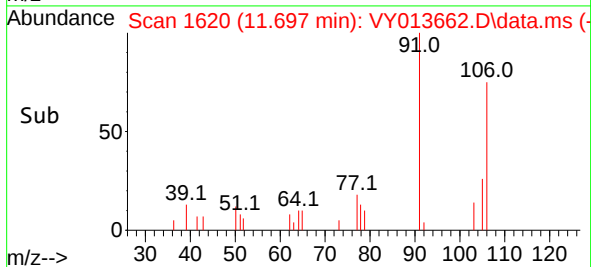
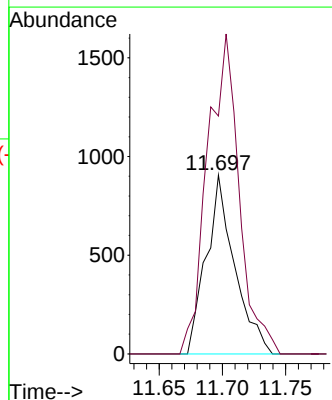
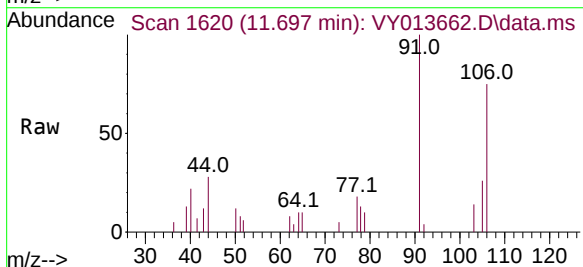
Instrument :
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ClientSampleId :
503RE

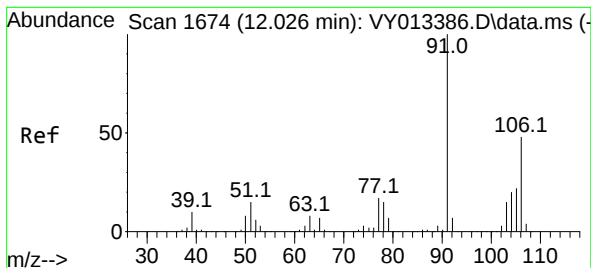
Tgt Ion:117 Resp: 30752
Ion Ratio Lower Upper
117 100
82 50.6 43.0 64.6
119 28.9 25.5 38.3



#68
m/p-Xylenes
Concen: 3.169 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013662.D
Acq: 09 May 2023 12:51

Tgt Ion:106 Resp: 1417
Ion Ratio Lower Upper
106 100
91 199.6 160.9 241.3





#69

o-Xylene

Concen: 1.369 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013662.D

Acq: 09 May 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

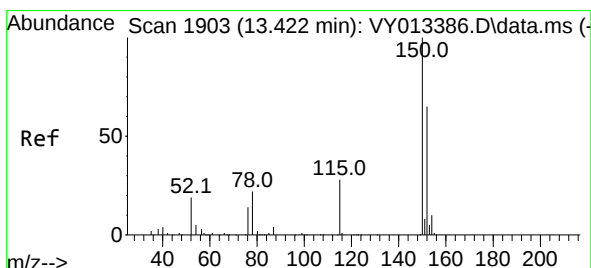
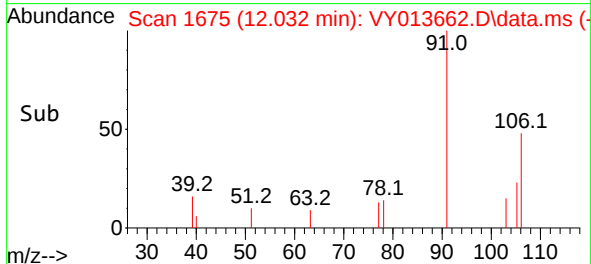
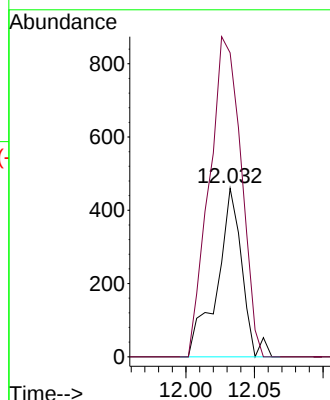
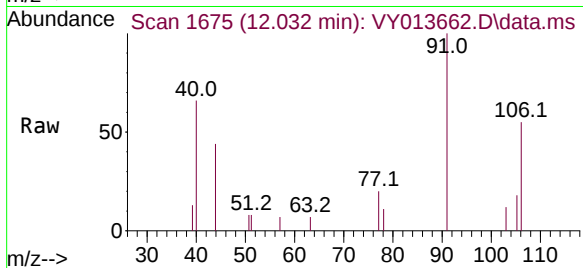
503RE

Tgt Ion:106 Resp: 579

Ion Ratio Lower Upper

106 100

91 244.0 105.5 316.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013662.D

Acq: 09 May 2023 12:51

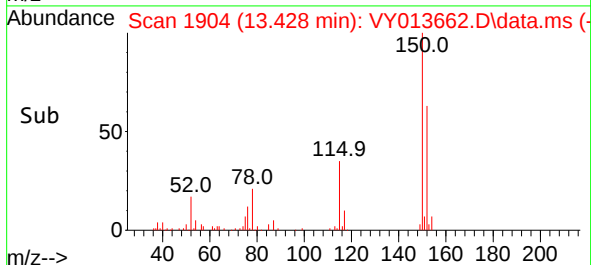
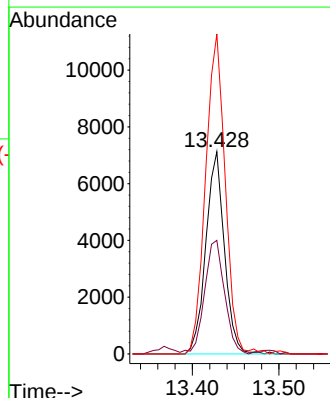
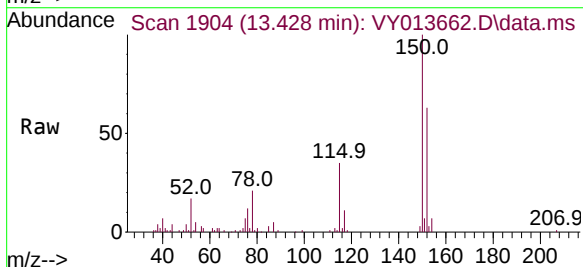
Tgt Ion:152 Resp: 10644

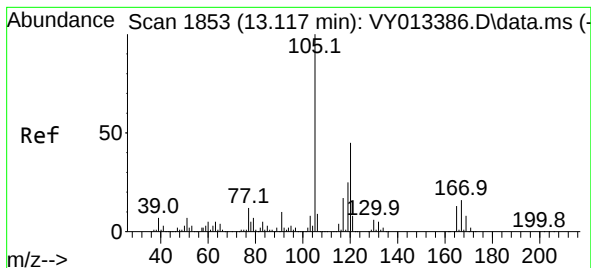
Ion Ratio Lower Upper

152 100

115 60.3 28.1 84.2

150 166.4 0.0 352.0





#84

1,2,4-Trimethylbenzene

Concen: 3.340 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY013662.D

Acq: 09 May 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

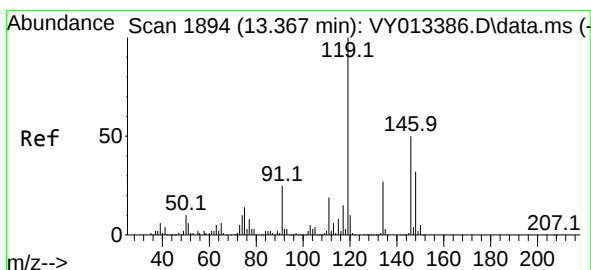
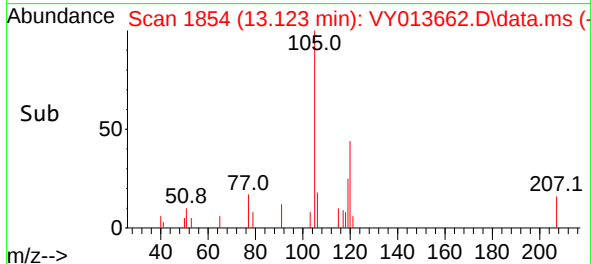
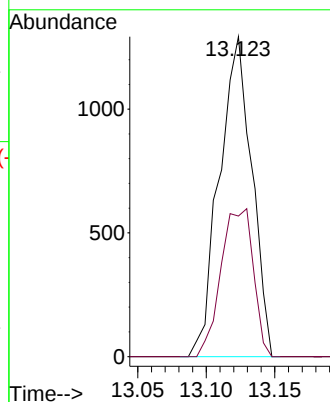
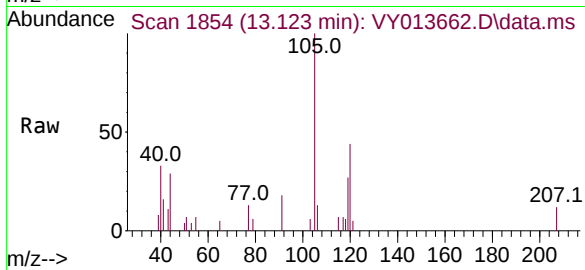
503RE

Tgt Ion:105 Resp: 2134

Ion Ratio Lower Upper

105 100

120 46.0 22.3 66.9



#86

p-Isopropyltoluene

Concen: 5.145 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013662.D

Acq: 09 May 2023 12:51

Tgt Ion:119 Resp: 3535

Ion Ratio Lower Upper

119 100

134 30.4 13.4 40.2

91 30.2 12.1 36.3

