

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015908.D
 Acq On : 10 Oct 2023 19:36
 Operator : SY/MD
 Sample : 04805-04
 Misc : 6.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 H-1(0-5)

Quant Time: Oct 11 01:24:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

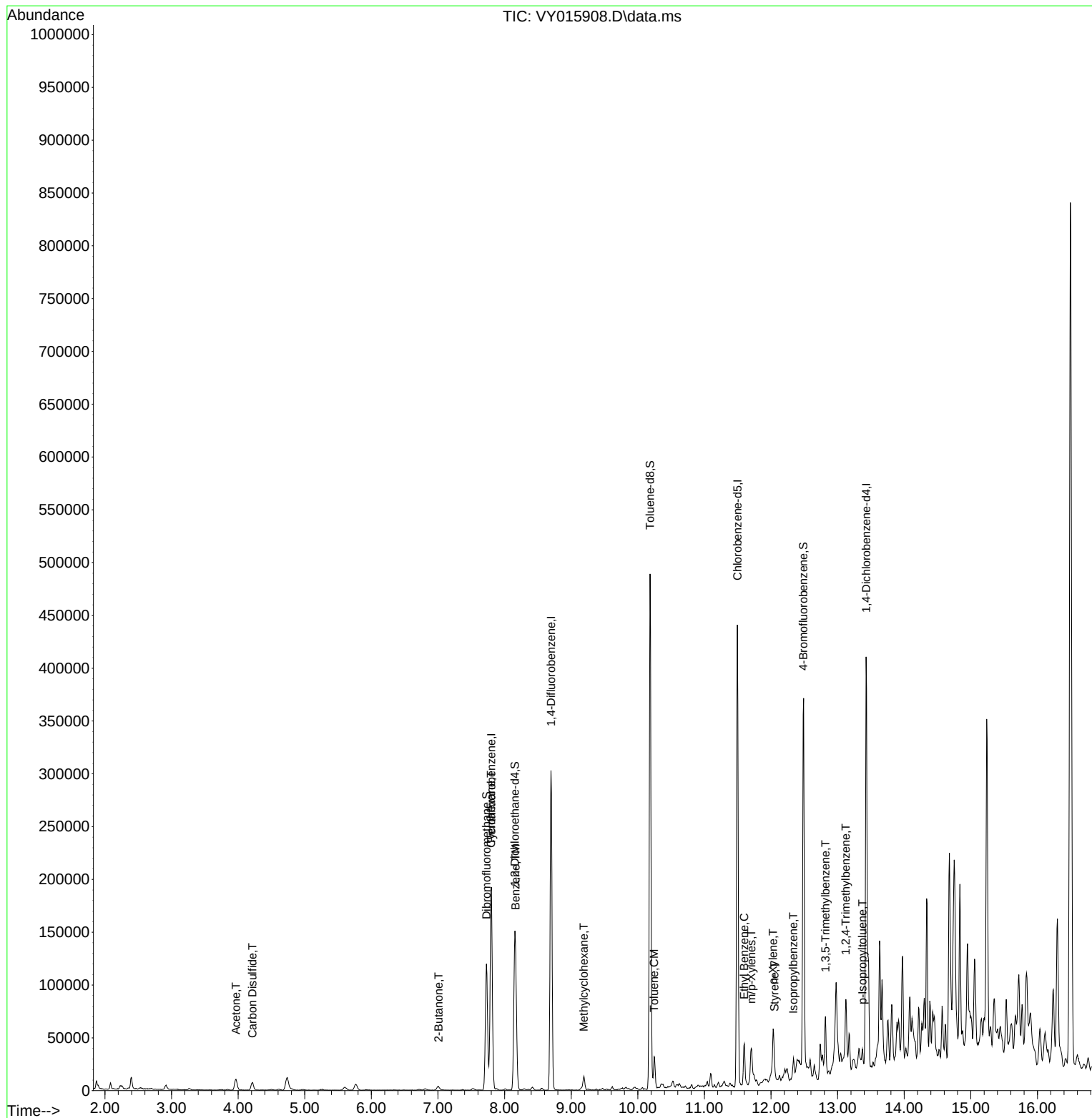
Internal Standards						
1) Pentafluorobenzene	7.801	168	151074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	268609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	244090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	86720	63.795	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 127.580%		
35) Dibromofluoromethane	7.728	113	85080	56.787	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.580%		
50) Toluene-d8	10.185	98	315685	63.933	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 127.860%		
62) 4-Bromofluorobenzene	12.483	95	103132	51.422	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 102.840%		
Target Compounds						
					Qvalue	
16) Acetone	3.966	43	18614	33.119	ug/l	97
17) Carbon Disulfide	4.216	76	14472	13.210	ug/l	98
25) 2-Butanone	7.008	43	5572	7.472	ug/l	95
31) Cyclohexane	7.795	56	4637	3.185	ug/l #	18
39) Methylcyclohexane	9.191	83	5440	3.228	ug/l	97
40) Benzene	8.167	78	71438	13.699	ug/l	100
52) Toluene	10.246	92	12193	3.523	ug/l	97
67) Ethyl Benzene	11.599	91	27651	3.786	ug/l	99
68) m/p-Xylenes	11.703	106	11460	4.164	ug/l	88
69) o-Xylene	12.032	106	11899	4.321	ug/l	96
70) Styrene	12.050	104	6447	1.342	ug/l	86
73) Isopropylbenzene	12.337	105	6942	1.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	20395	3.807	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	28497	5.283	ug/l	96
86) p-Isopropyltoluene	13.373	119	7173	1.183	ug/l	91

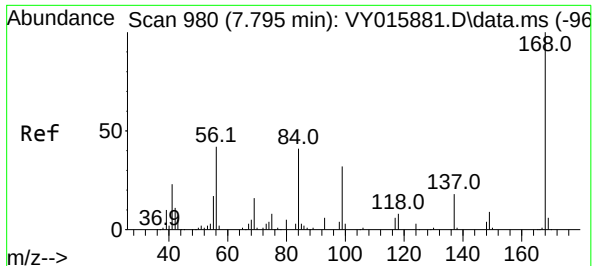
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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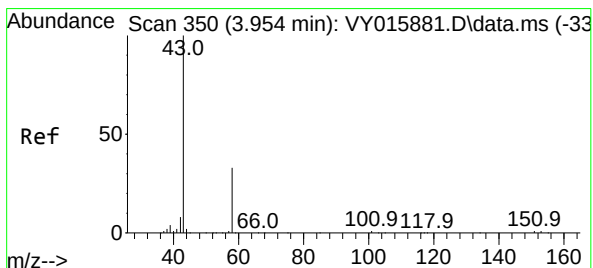
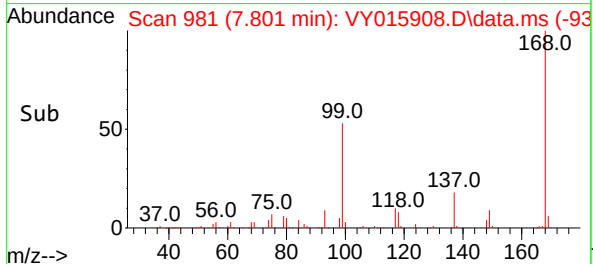
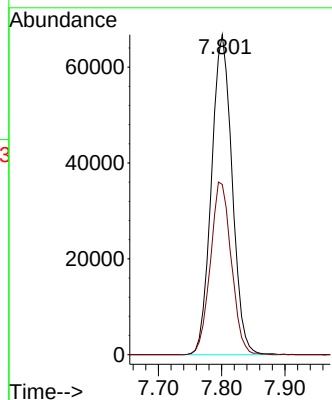
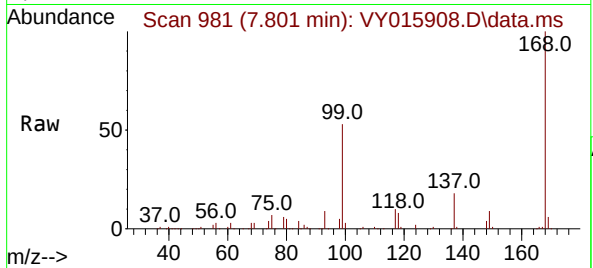




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

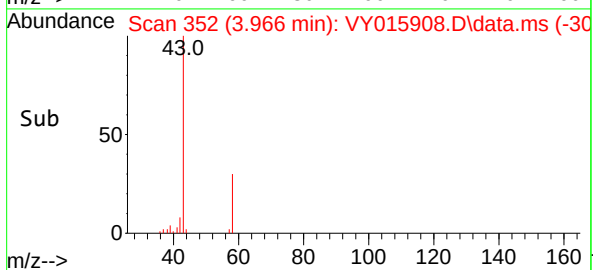
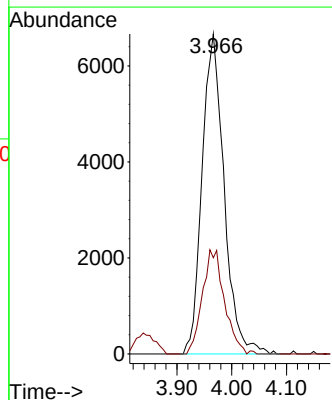
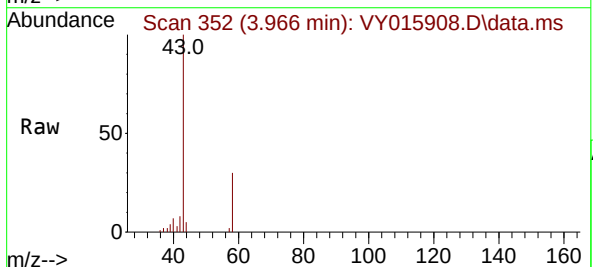
Instrument :
MSVOA_Y
ClientSampleId :
H-1(0-5)

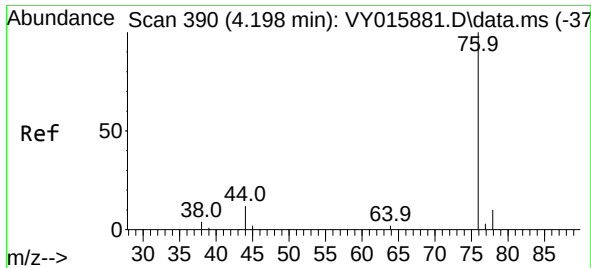
Tgt Ion:168 Resp: 151074
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0



#16
Acetone
Concen: 33.119 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

Tgt Ion: 43 Resp: 18614
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1

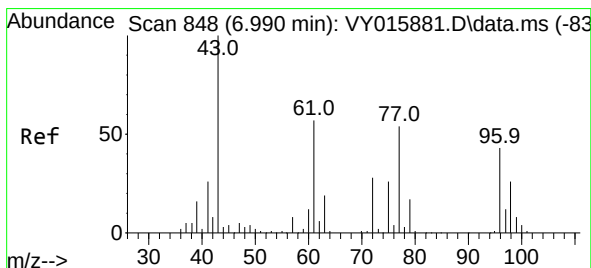
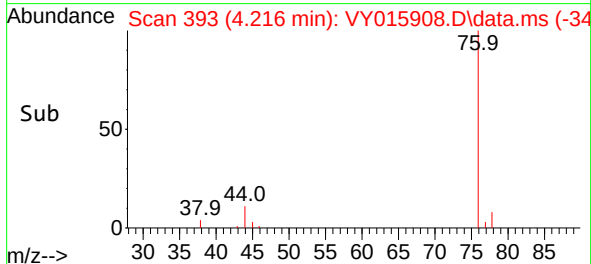
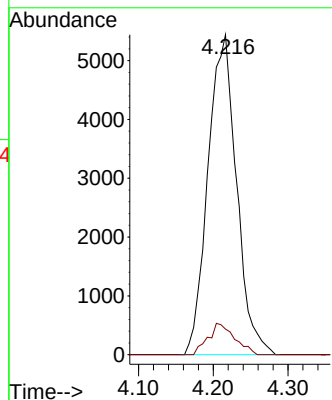
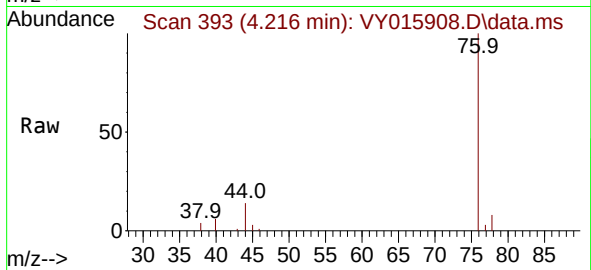




#17
Carbon Disulfide
Concen: 13.210 ug/l
RT: 4.216 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

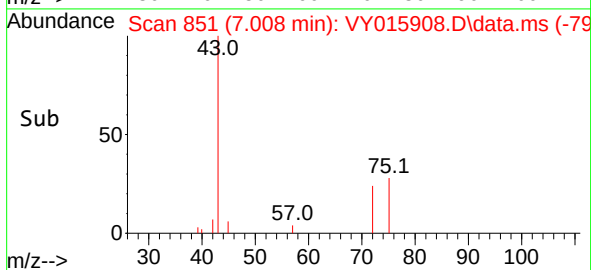
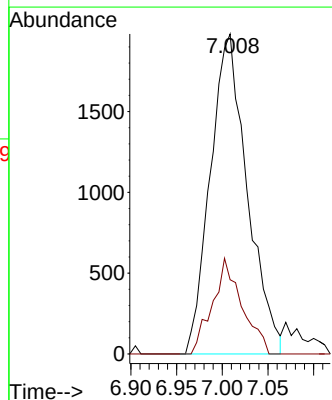
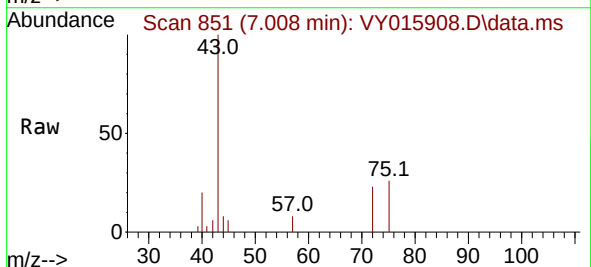
Instrument :
MSVOA_Y
ClientSampleId :
H-1(0-5)

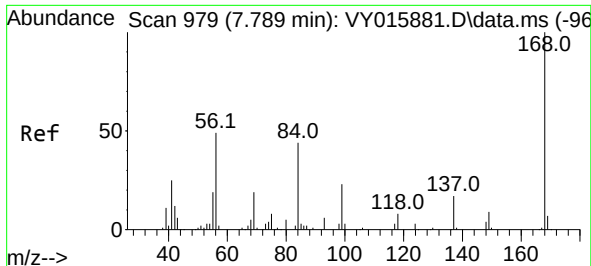
Tgt Ion: 76 Resp: 14472
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4



#25
2-Butanone
Concen: 7.472 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
72 23.2 20.5 30.7

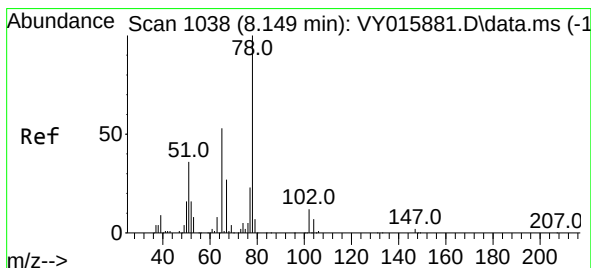
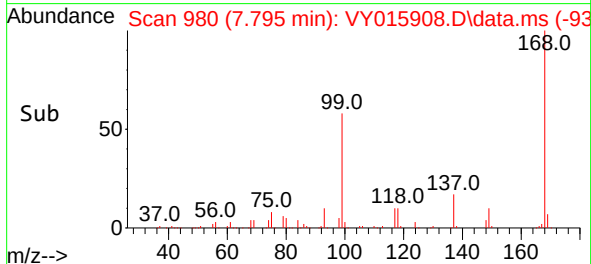
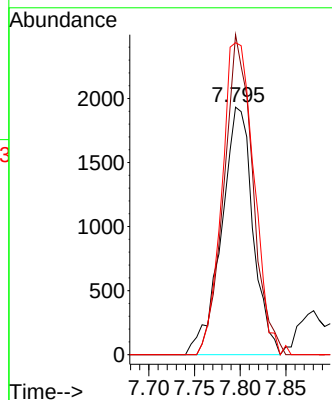
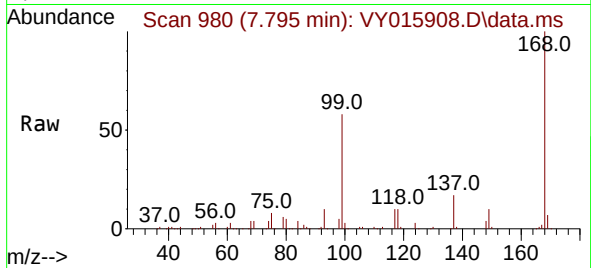




#31
Cyclohexane
Concen: 3.185 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

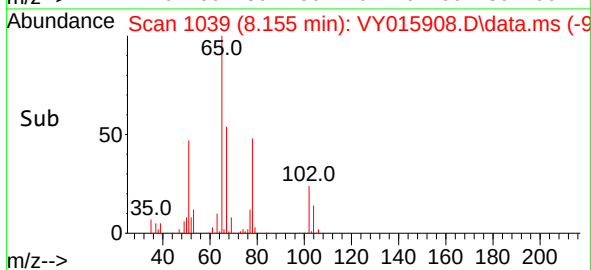
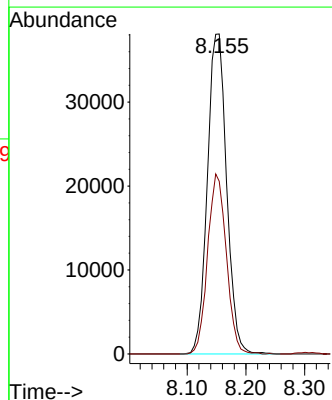
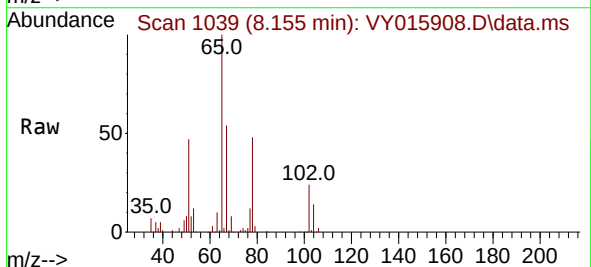
Instrument :
MSVOA_Y
ClientSampleId :
H-1(0-5)

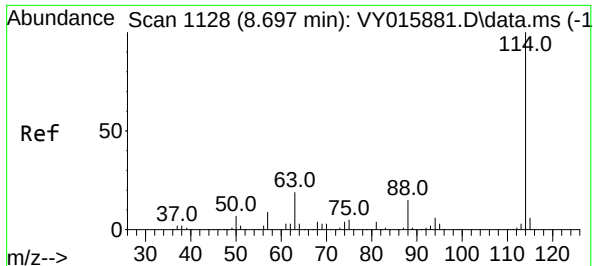
Tgt Ion: 56 Resp: 4637
Ion Ratio Lower Upper
56 100
69 129.3 27.8 41.6#
84 126.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 63.795 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

Tgt Ion: 65 Resp: 86720
Ion Ratio Lower Upper
65 100
67 54.6 0.0 101.8

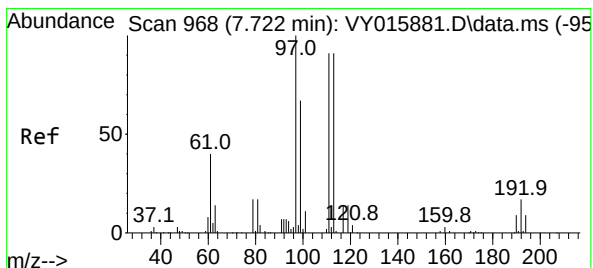
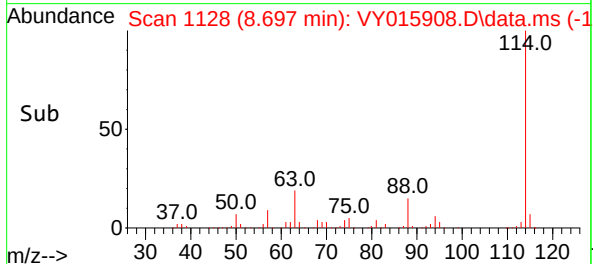
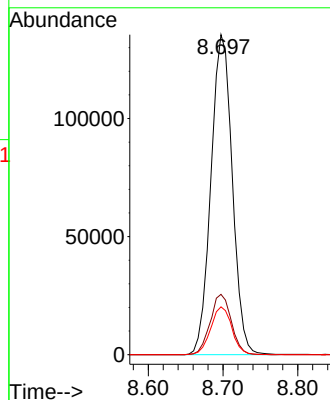
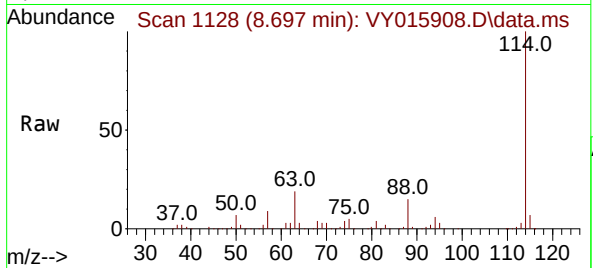




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

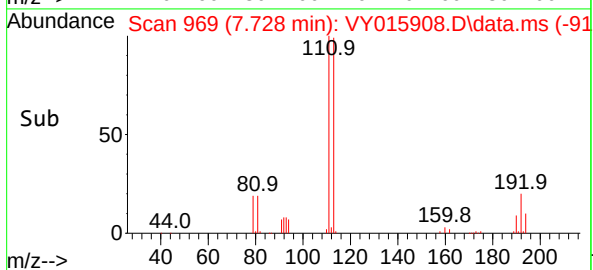
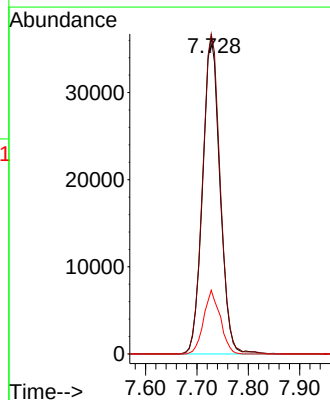
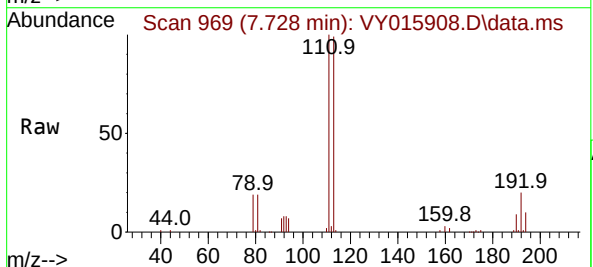
Instrument :
MSVOA_Y
ClientSampleId :
H-1(0-5)

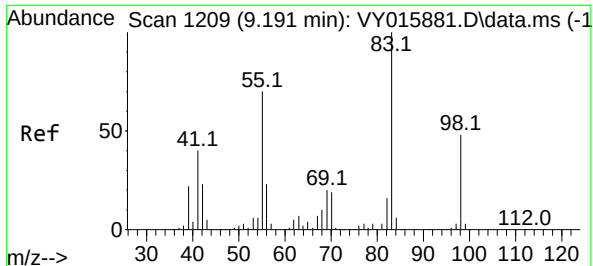
Tgt Ion:114 Resp: 268609
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.787 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

Tgt Ion:113 Resp: 85080
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.2 16.9 25.3





#39

Methylcyclohexane

Concen: 3.228 ug/l

RT: 9.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015908.D

Acq: 10 Oct 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

H-1(0-5)

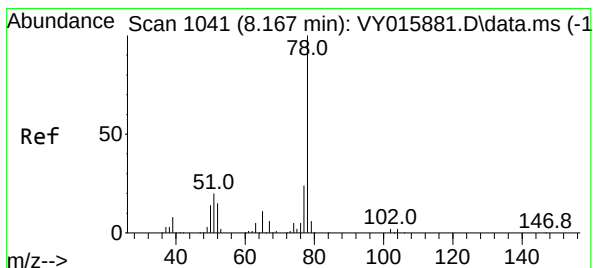
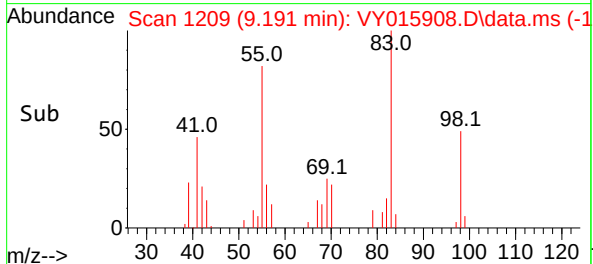
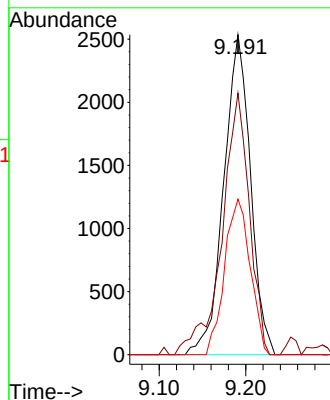
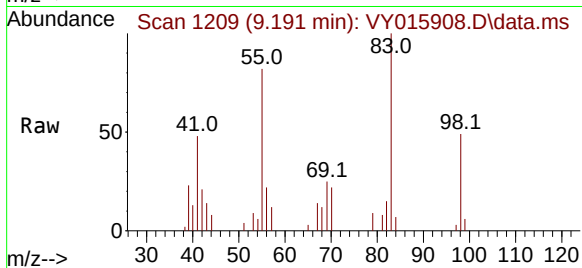
Tgt Ion: 83 Resp: 5440

Ion Ratio Lower Upper

83 100

55 81.7 63.0 94.4

98 48.6 37.4 56.2



#40

Benzene

Concen: 13.699 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY015908.D

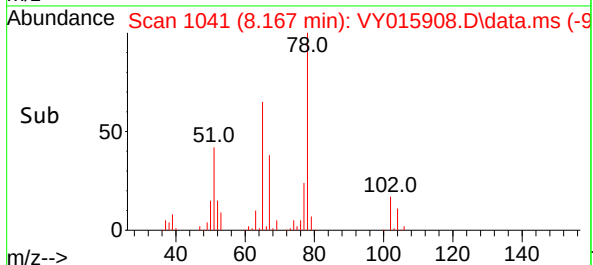
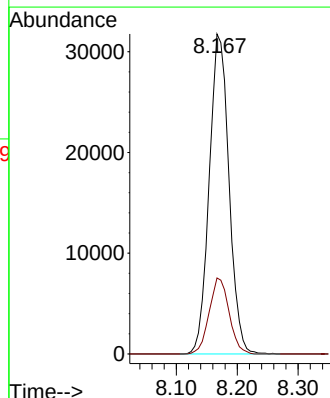
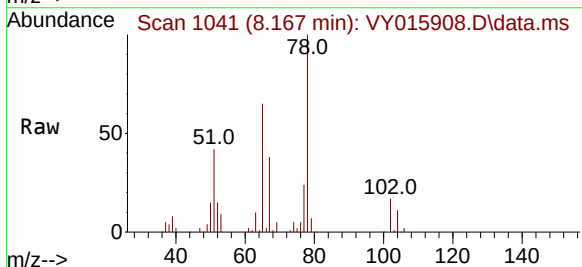
Acq: 10 Oct 2023 19:36

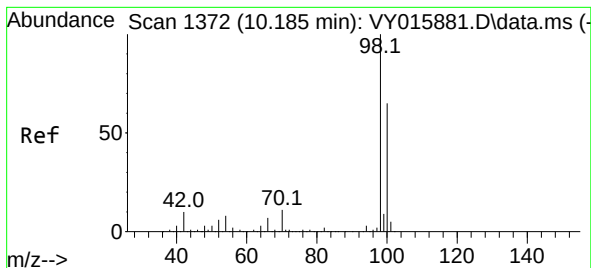
Tgt Ion: 78 Resp: 71438

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6





#50

Toluene-d8

Concen: 63.933 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY015908.D

Acq: 10 Oct 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

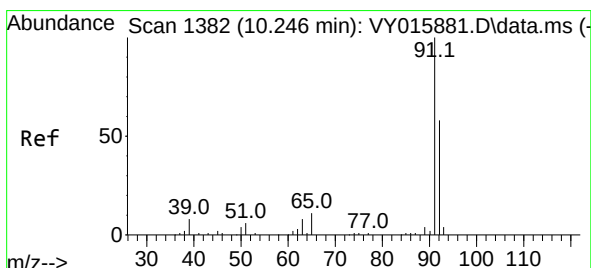
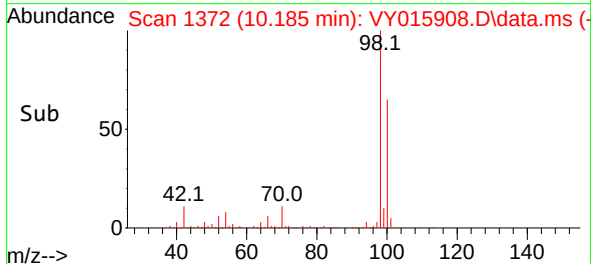
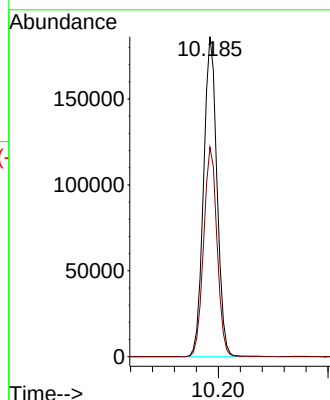
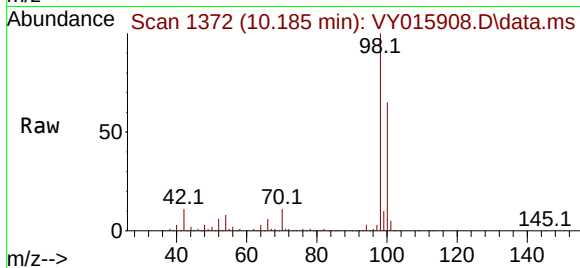
H-1(0-5)

Tgt Ion: 98 Resp: 315685

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#52

Toluene

Concen: 3.523 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY015908.D

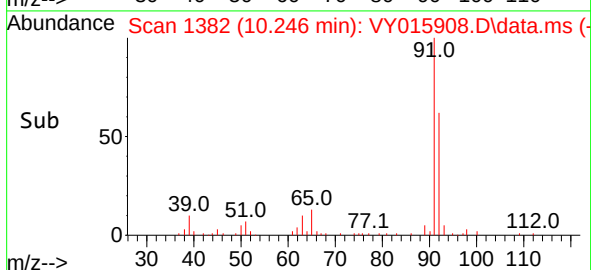
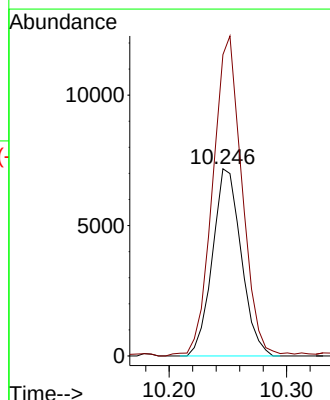
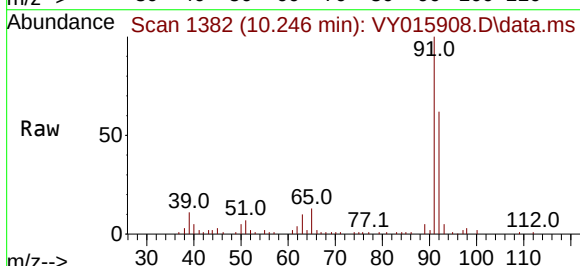
Acq: 10 Oct 2023 19:36

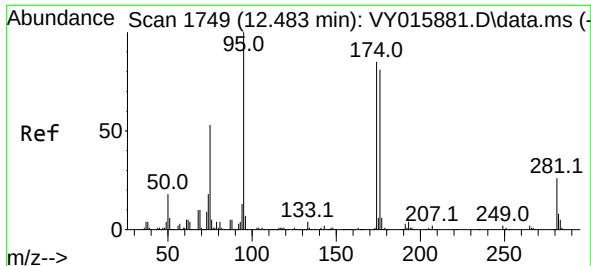
Tgt Ion: 92 Resp: 12193

Ion Ratio Lower Upper

92 100

91 174.8 143.8 215.6





#62

4-Bromofluorobenzene

Concen: 51.422 ug/l

RT: 12.483 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015908.D

Acq: 10 Oct 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

H-1(0-5)

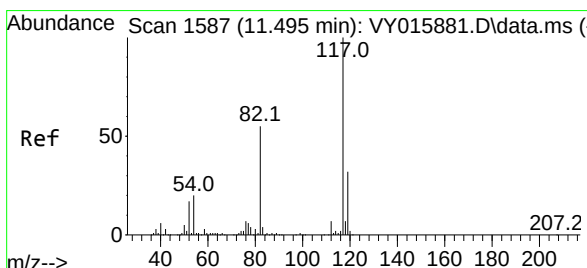
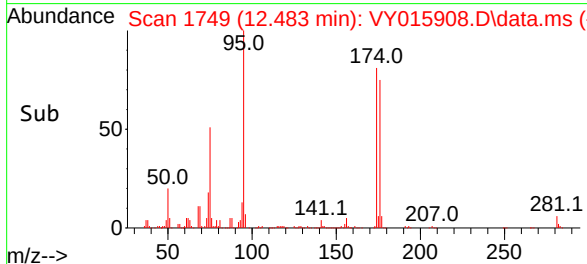
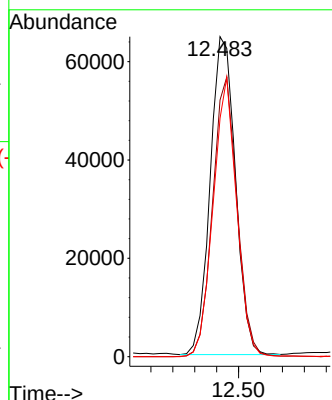
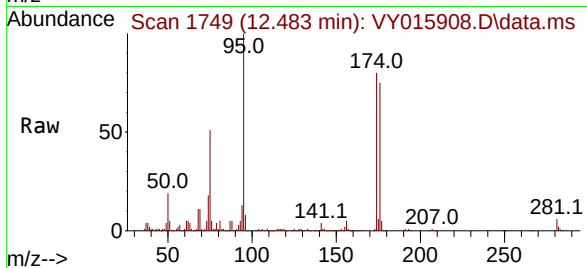
Tgt Ion: 95 Resp: 103132

Ion Ratio Lower Upper

95 100

174 85.8 0.0 178.2

176 82.2 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VY015908.D

Acq: 10 Oct 2023 19:36

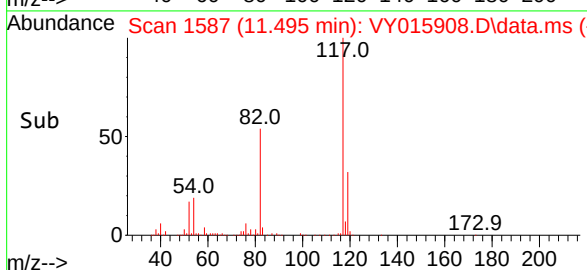
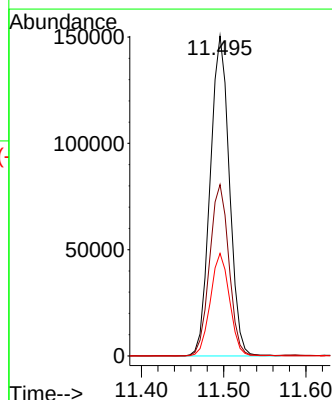
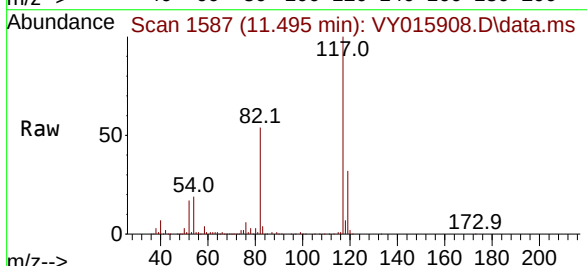
Tgt Ion: 117 Resp: 244090

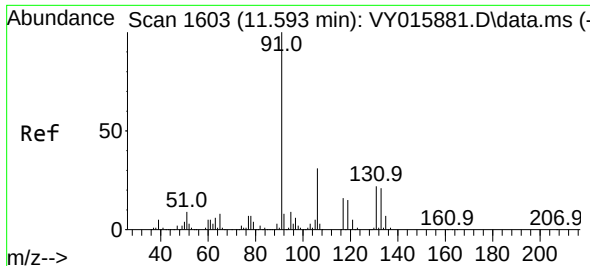
Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.0 26.3 39.5





#67

Ethyl Benzene

Concen: 3.786 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY015908.D

Acq: 10 Oct 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

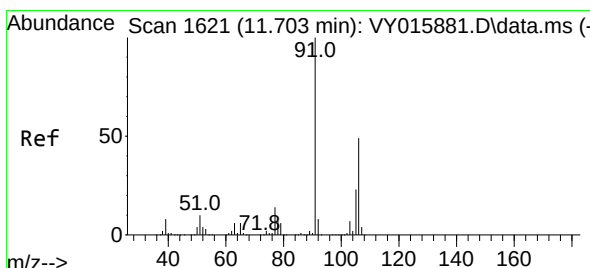
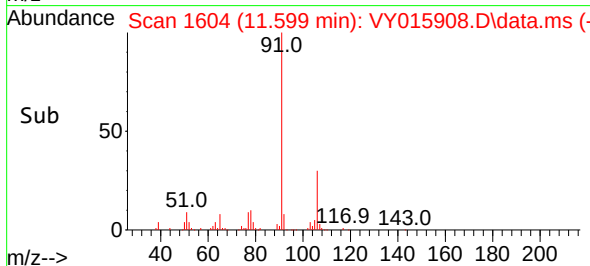
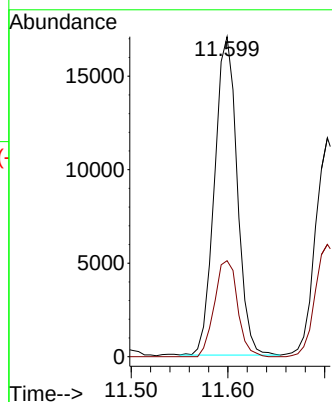
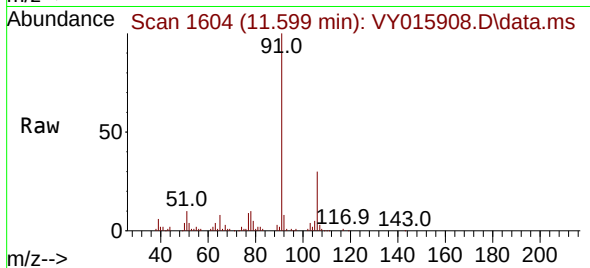
H-1(0-5)

Tgt Ion: 91 Resp: 27651

Ion Ratio Lower Upper

91 100

106 30.1 24.6 36.8



#68

m/p-Xylenes

Concen: 4.164 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY015908.D

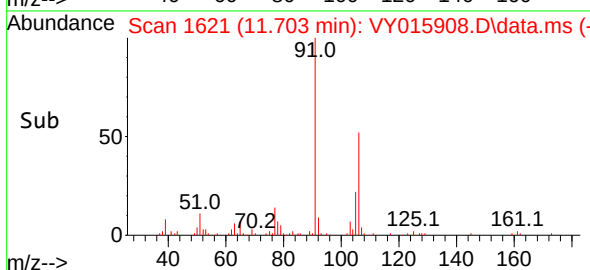
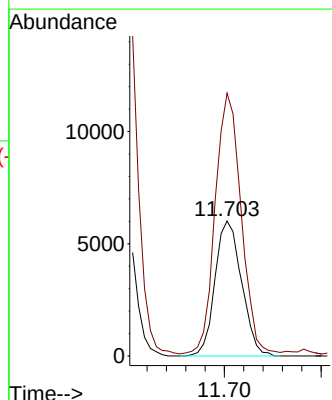
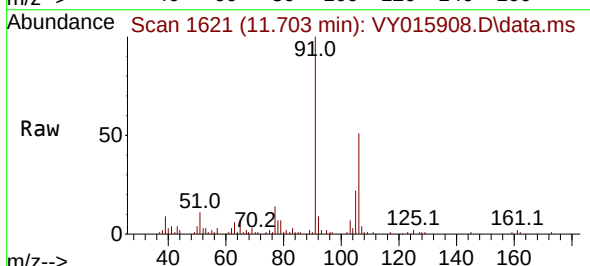
Acq: 10 Oct 2023 19:36

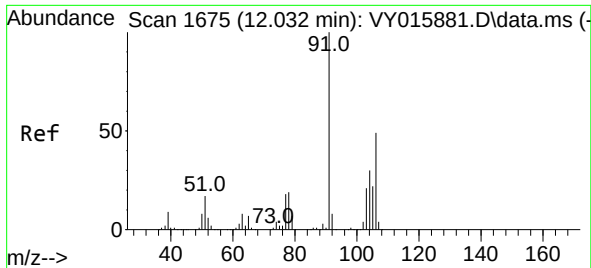
Tgt Ion:106 Resp: 11460

Ion Ratio Lower Upper

106 100

91 188.3 166.1 249.1

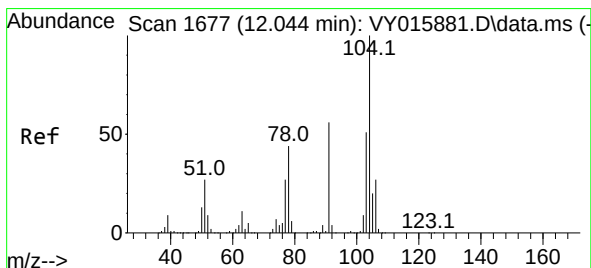
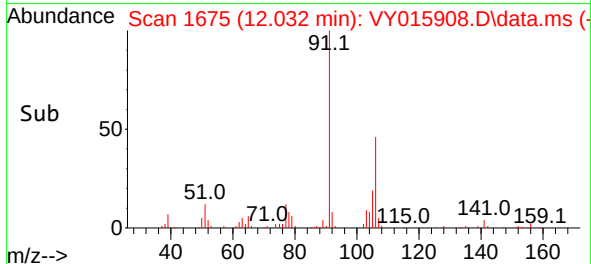
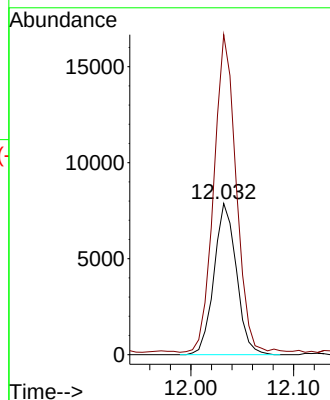
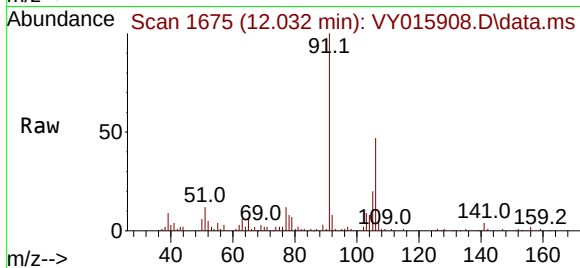




#69
o-Xylene
Concen: 4.321 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

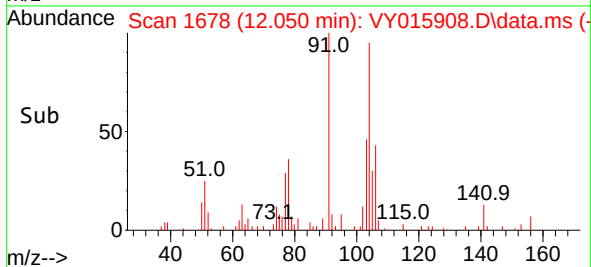
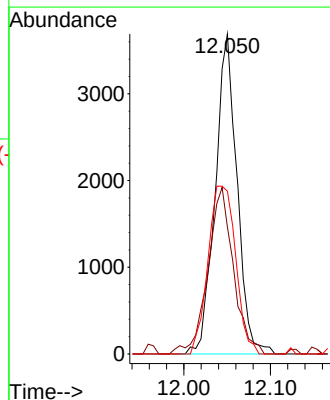
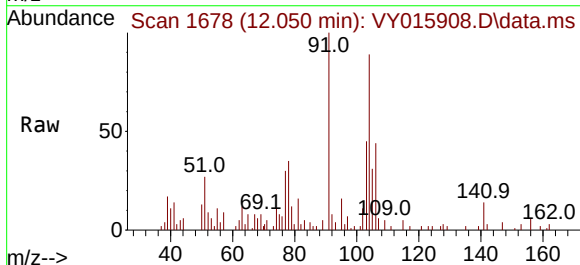
Instrument :
MSVOA_Y
ClientSampleId :
H-1(0-5)

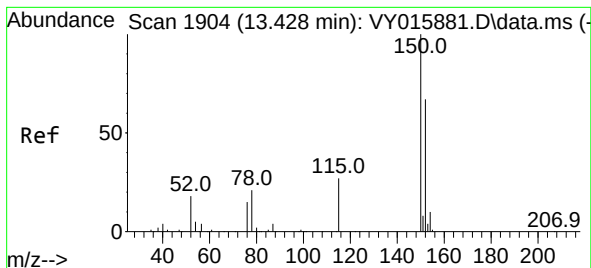
Tgt Ion:106 Resp: 11899
Ion Ratio Lower Upper
106 100
91 209.9 108.1 324.3



#70
Styrene
Concen: 1.342 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

Tgt Ion:104 Resp: 6447
Ion Ratio Lower Upper
104 100
78 60.9 41.5 62.3
103 66.4 44.6 67.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY015908.D

Acq: 10 Oct 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

H-1(0-5)

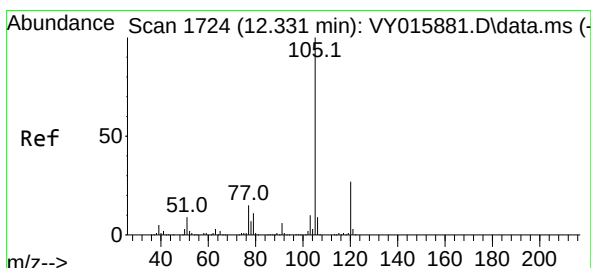
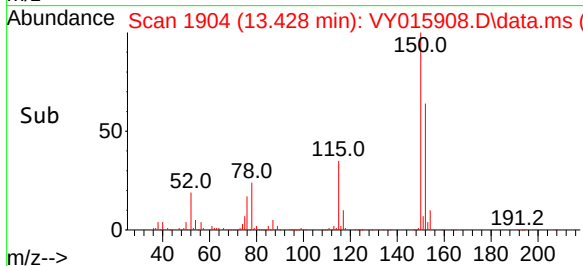
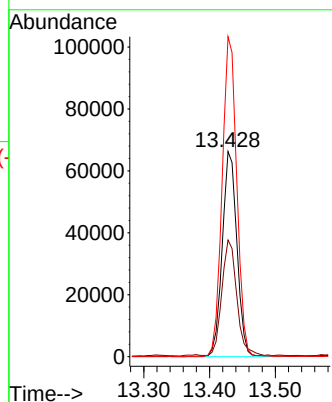
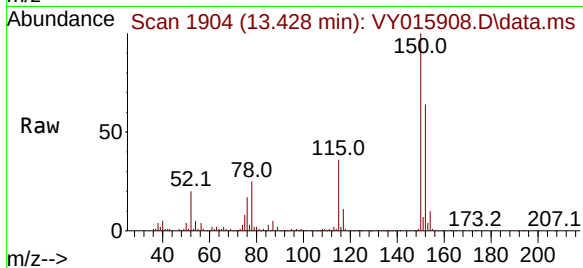
Tgt Ion:152 Resp: 103030

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 155.3 0.0 348.8



#73

Isopropylbenzene

Concen: 1.068 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY015908.D

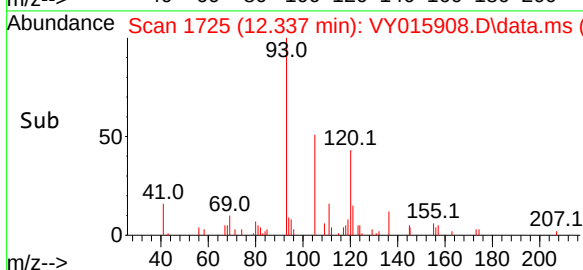
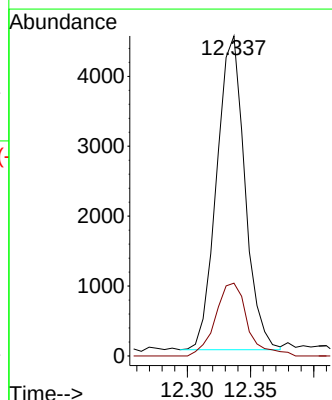
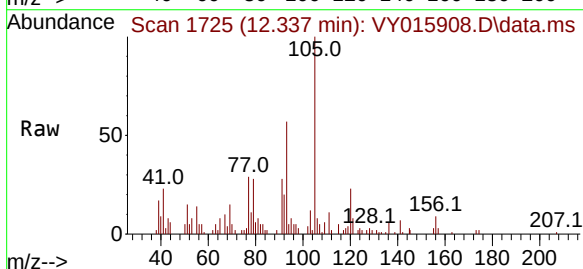
Acq: 10 Oct 2023 19:36

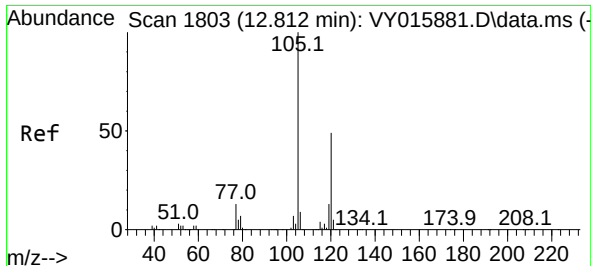
Tgt Ion:105 Resp: 6942

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9

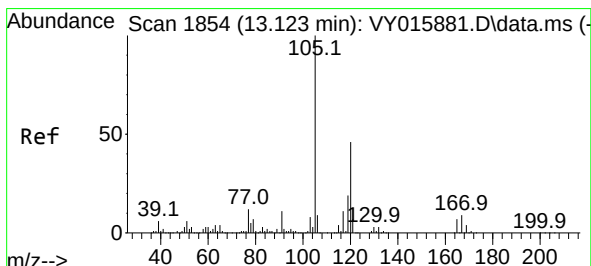
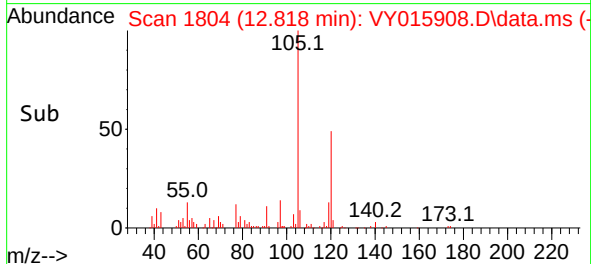
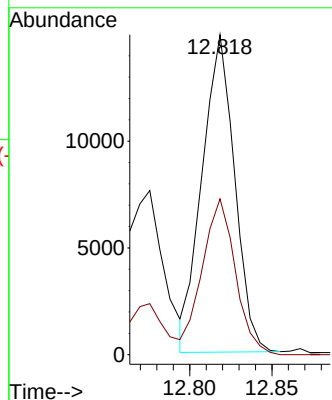
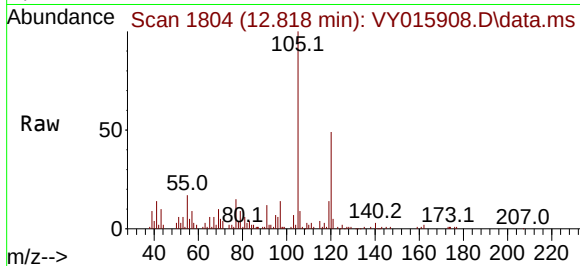




#80
1,3,5-Trimethylbenzene
Concen: 3.807 ug/l
RT: 12.818 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

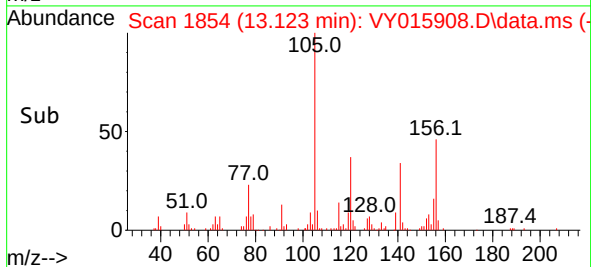
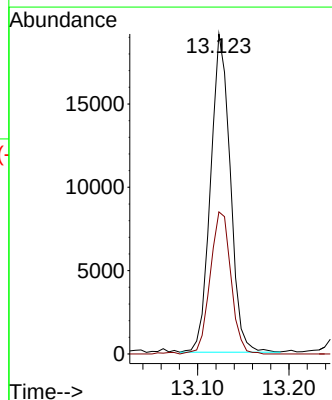
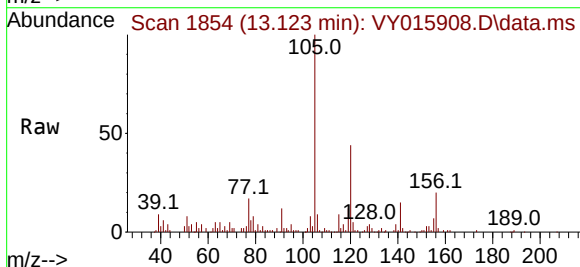
Instrument :
MSVOA_Y
ClientSampleId :
H-1(0-5)

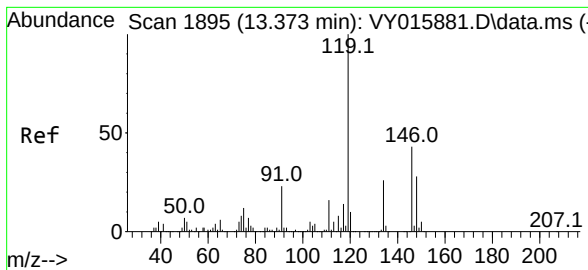
Tgt Ion:105 Resp: 20395
Ion Ratio Lower Upper
105 100
120 50.1 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 5.283 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY015908.D
Acq: 10 Oct 2023 19:36

Tgt Ion:105 Resp: 28497
Ion Ratio Lower Upper
105 100
120 47.0 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 1.183 ug/l
 RT: 13.373 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY015908.D
 Acq: 10 Oct 2023 19:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 H-1(0-5)

Tgt Ion:	119	Resp:	7173
Ion	Ratio	Lower	Upper
119	100		
134	30.2	13.3	39.8
91	30.1	12.4	37.4

