

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021098.D
 Acq On : 05 Feb 2025 18:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 06 00:58:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

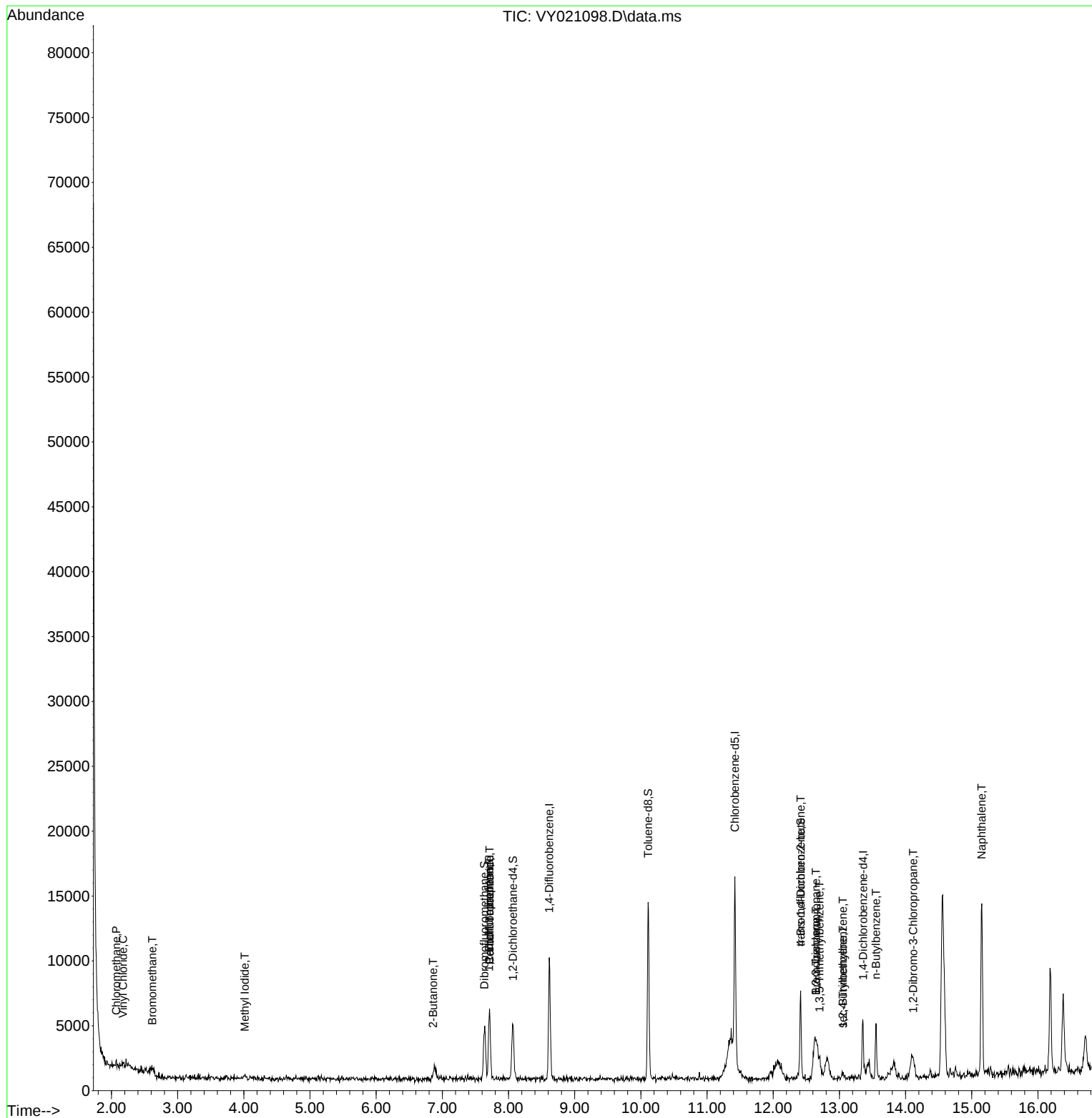
Internal Standards						
1) Pentafluorobenzene	7.713	168	4432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	8097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	1268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3350	73.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.540%	
35) Dibromofluoromethane	7.634	113	2990	57.621	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.240%	
50) Toluene-d8	10.109	98	9317	47.162	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.320%	
62) 4-Bromofluorobenzene	12.414	95	2002	31.020	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 62.040%	
Target Compounds						Qvalue
3) Chloromethane	2.074	50	130	3.335	ug/l #	41
4) Vinyl Chloride	2.172	62	60	1.529	ug/l #	43
5) Bromomethane	2.617	94	123	5.072	ug/l #	35
10) Methyl Iodide	4.013	142	353	7.083	ug/l #	60
25) 2-Butanone	6.860	43	20	1.719	ug/l #	48
36) 1,1-Dichloropropene	7.707	75	301	3.916	ug/l #	42
38) Carbon Tetrachloride	7.713	117	460	5.122	ug/l #	12
76) 1,2,3-Trichloropropane	12.645	75	74	6.433	ug/l #	100
77) Bromobenzene	12.645	156	4822	210.963	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.700	105	189	2.354	ug/l	67
81) trans-1,4-Dichloro-2-b...	12.414	75	1138	201.878	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.054	105	349	4.445	ug/l #	49
85) sec-Butylbenzene	13.054	105	349	3.322	ug/l #	57
89) n-Butylbenzene	13.554	91	400	5.024	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.115	75	50	20.311	ug/l #	1
95) Naphthalene	15.151	128	12175	356.906	ug/l	99

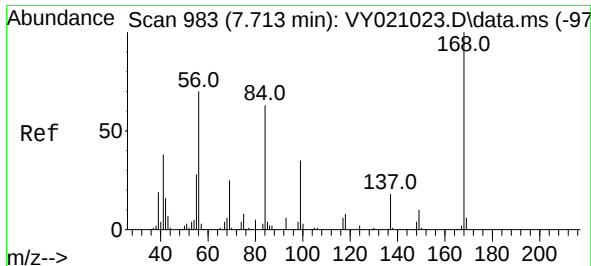
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY020525\
Data File : VY021098.D
Acq On : 05 Feb 2025 18:55
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSV0A_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSV0A_Y
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Quant Time: Feb 06 00:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

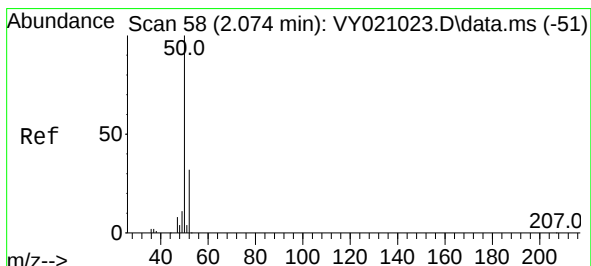
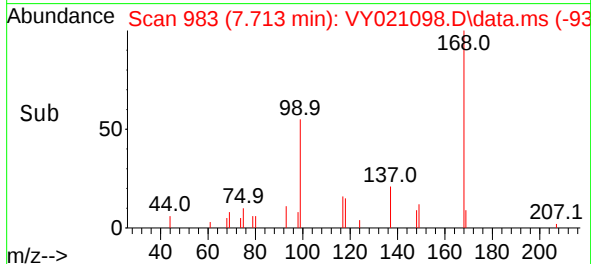
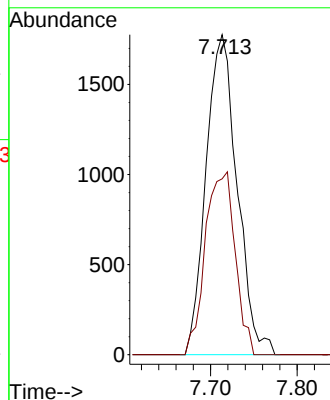
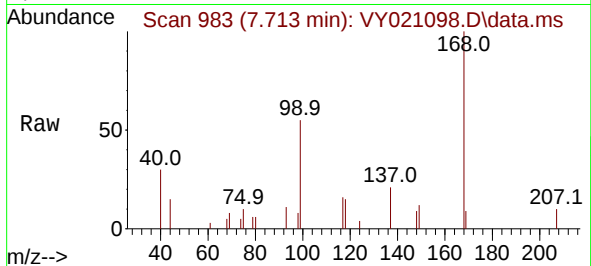




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

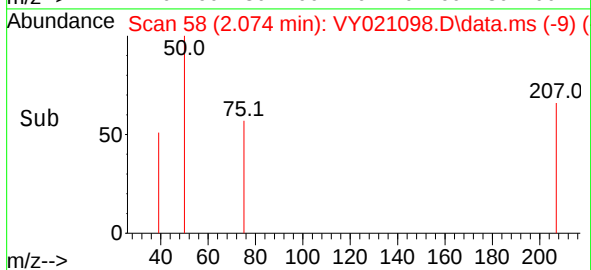
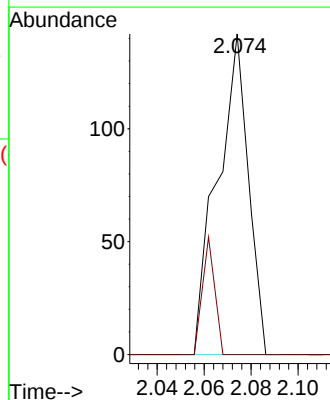
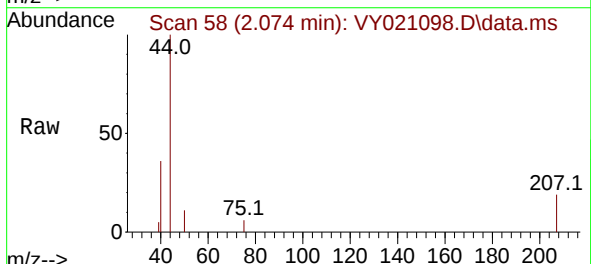
Instrument :
MSVOA_Y
ClientSampleId :

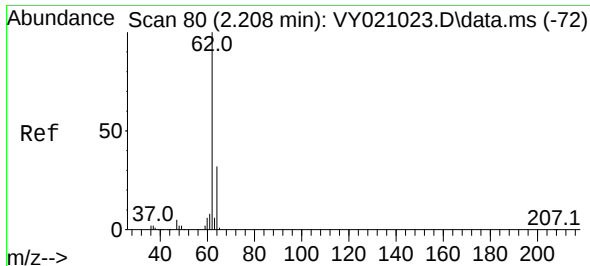
Tgt Ion:168 Resp: 4432
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4



#3
Chloromethane
Concen: 3.335 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

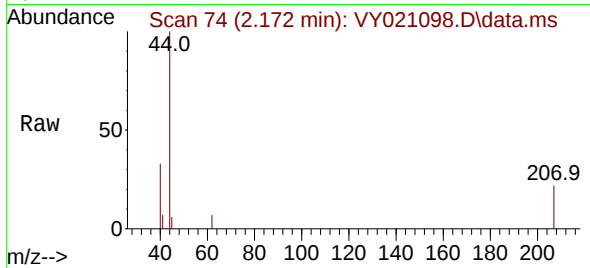
Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#



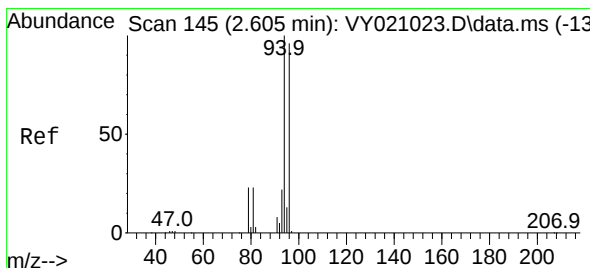
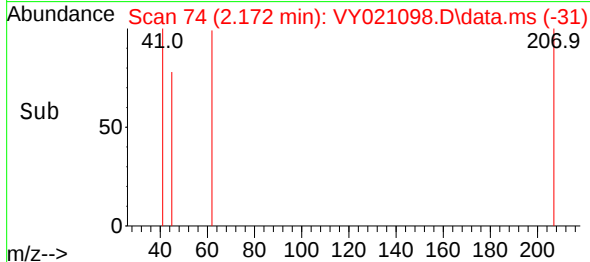
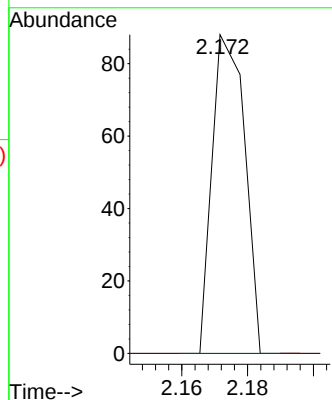


#4
 Vinyl Chloride
 Concen: 1.529 ug/l
 RT: 2.172 min Scan# 74
 Delta R.T. -0.037 min
 Lab File: VY021098.D
 Acq: 05 Feb 2025 18:55

Instrument :
 MSVOA_Y
 ClientSampleId :

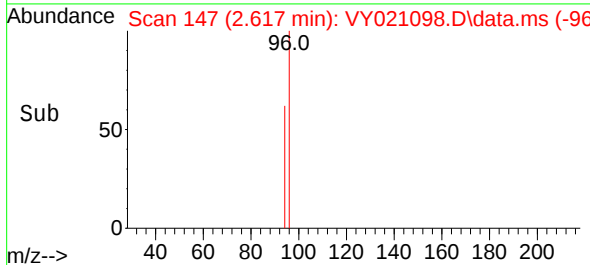
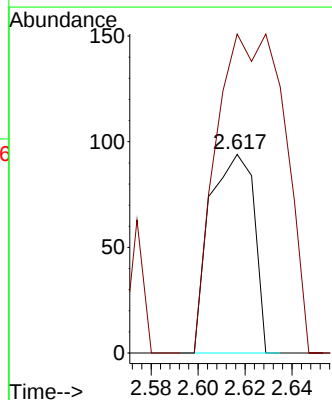
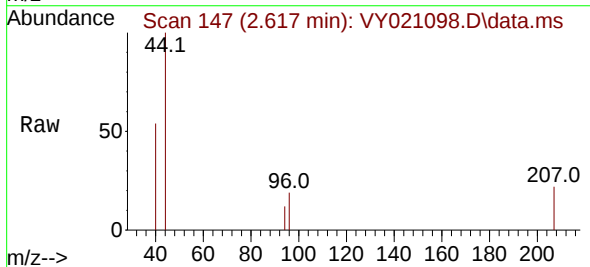


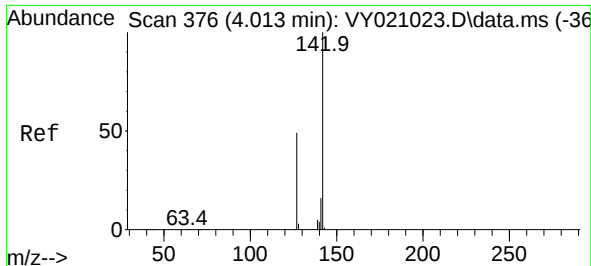
Tgt Ion: 62 Resp: 60
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 5.072 ug/l
 RT: 2.617 min Scan# 147
 Delta R.T. 0.012 min
 Lab File: VY021098.D
 Acq: 05 Feb 2025 18:55

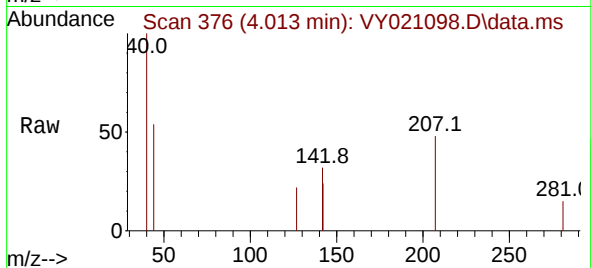
Tgt Ion: 94 Resp: 123
 Ion Ratio Lower Upper
 94 100
 96 160.6 77.3 115.9#



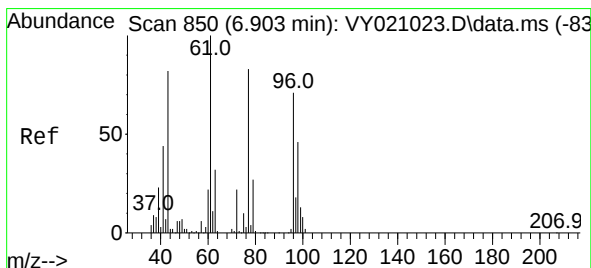
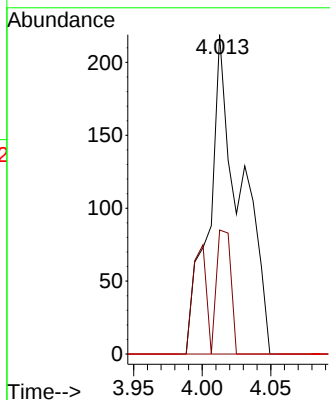
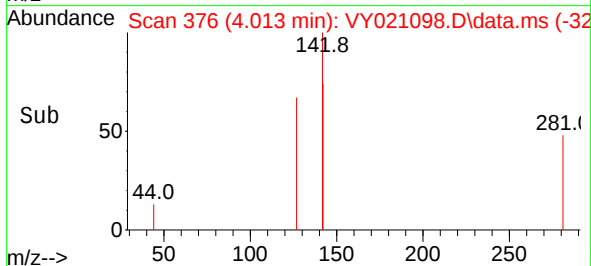


#10
Methyl Iodide
Concen: 7.083 ug/l
RT: 4.013 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

Instrument :
MSVOA_Y
ClientSampleId :

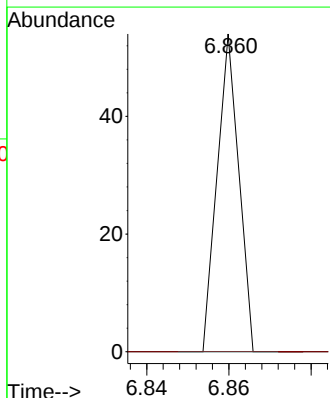
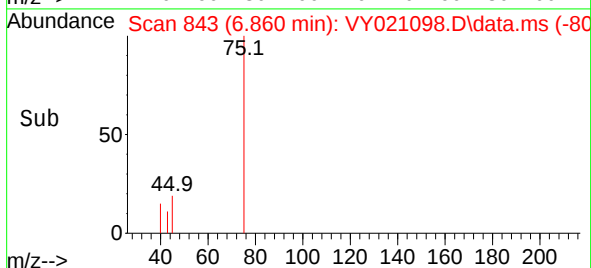
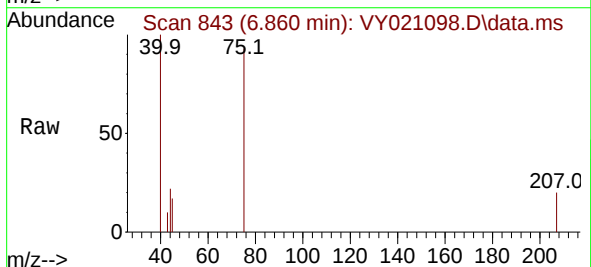


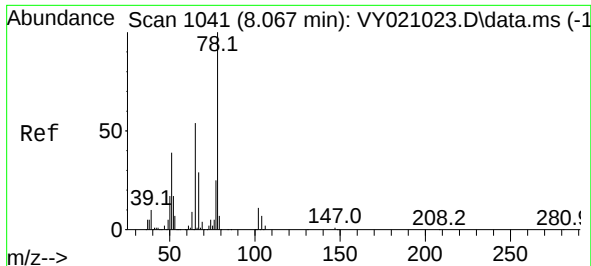
Tgt Ion:142 Resp: 353
Ion Ratio Lower Upper
142 100
127 17.3 35.1 52.7#
141 0.0 11.8 17.6#



#25
2-Butanone
Concen: 1.719 ug/l
RT: 6.860 min Scan# 843
Delta R.T. -0.043 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#





#33

1,2-Dichloroethane-d4

Concen: 73.773 ug/l

RT: 8.067 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VY021098.D

Acq: 05 Feb 2025 18:55

Instrument :

MSVOA_Y

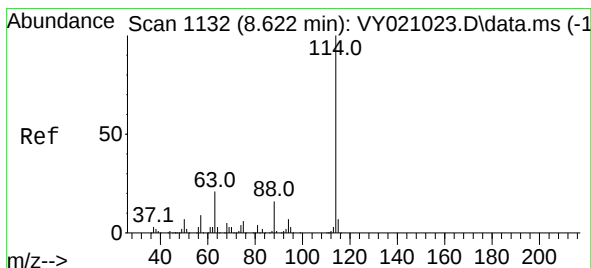
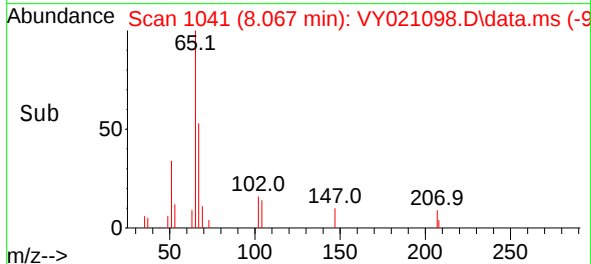
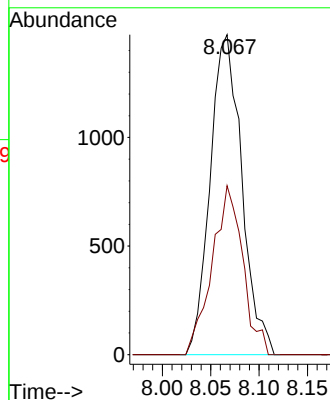
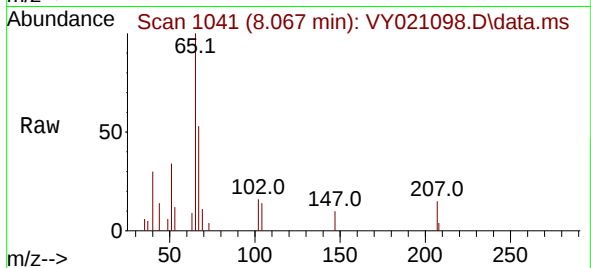
ClientSampleId :

Tgt Ion: 65 Resp: 3350

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021098.D

Acq: 05 Feb 2025 18:55

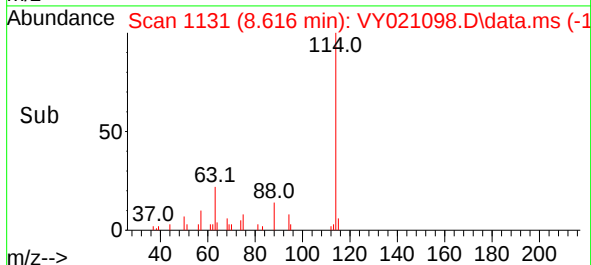
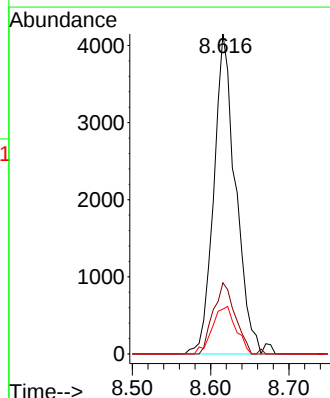
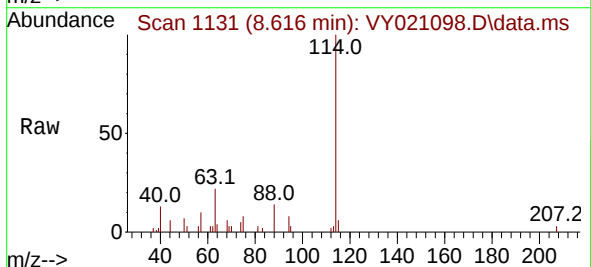
Tgt Ion: 114 Resp: 8097

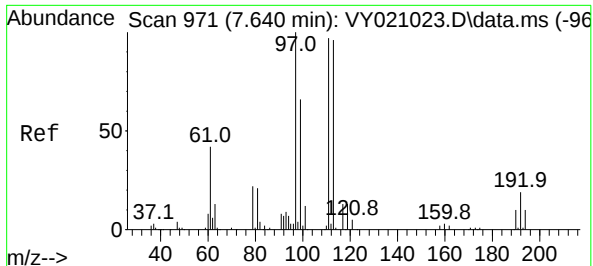
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.4

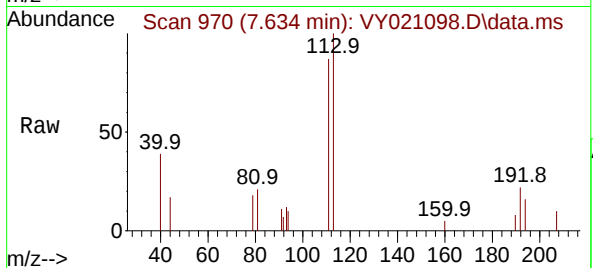
88 14.0 0.0 29.0



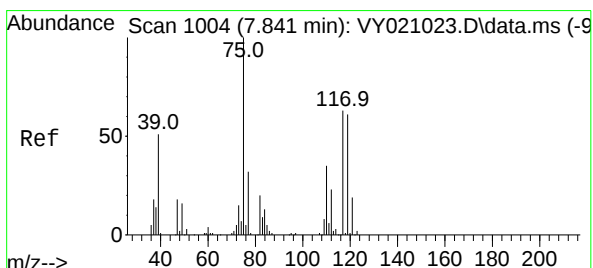
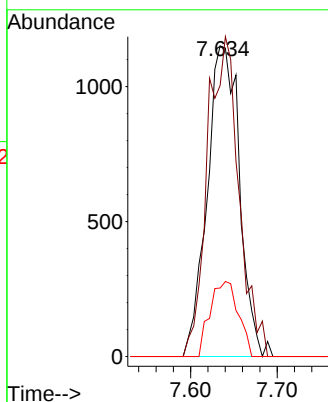
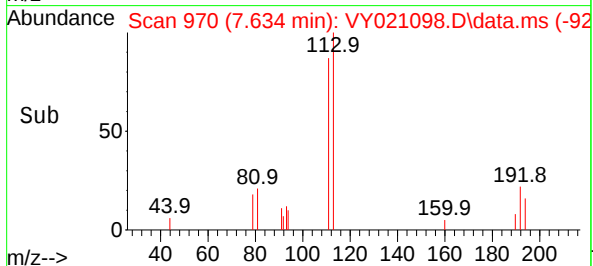


#35
Dibromofluoromethane
Concen: 57.621 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

Instrument :
MSVOA_Y
ClientSampleId :

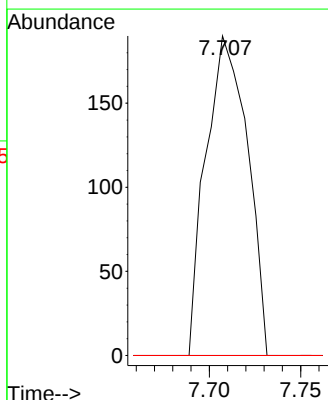
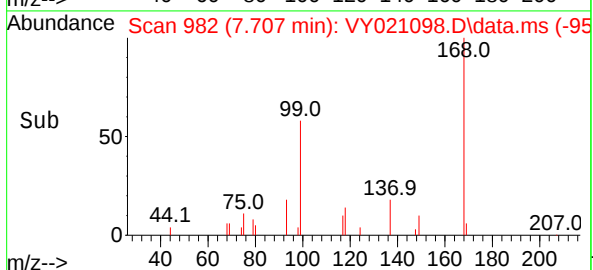
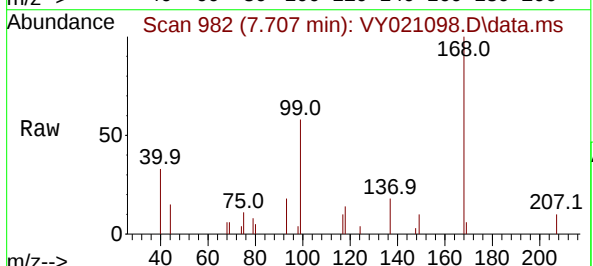


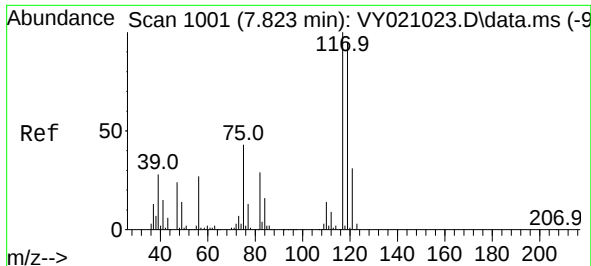
Tgt Ion:113 Resp: 2990
Ion Ratio Lower Upper
113 100
111 99.9 83.8 125.6
192 21.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 3.916 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

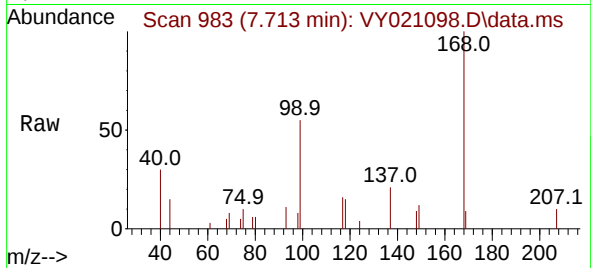
Tgt Ion: 75 Resp: 301
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#



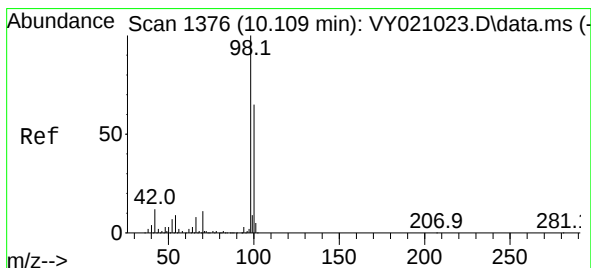
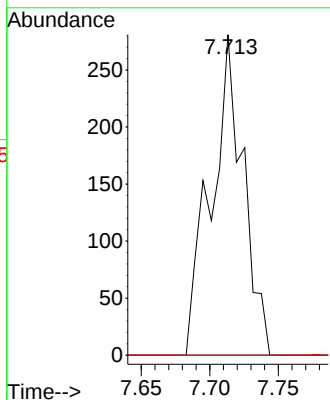
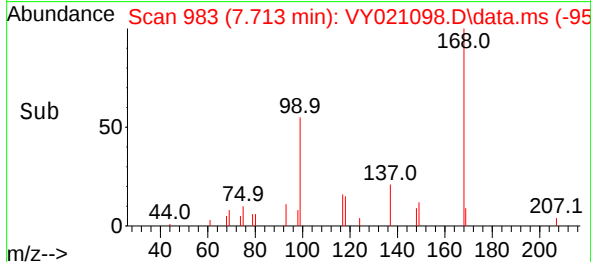


#38
Carbon Tetrachloride
Concen: 5.122 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

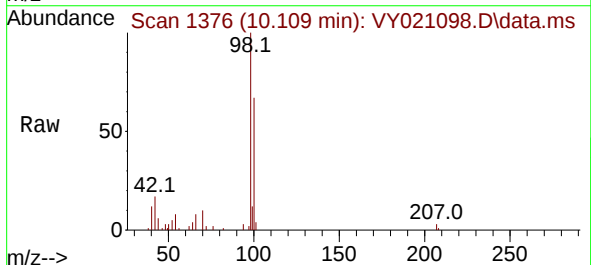
Instrument :
MSVOA_Y
ClientSampleId :



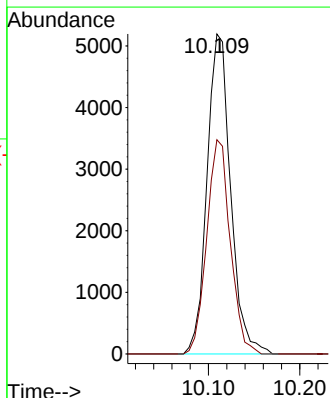
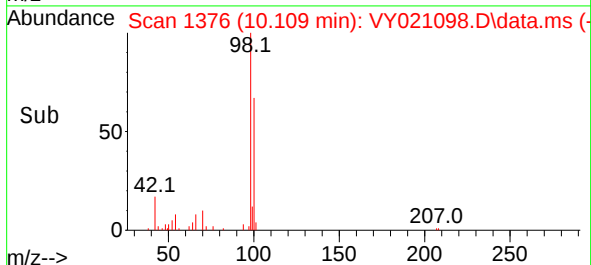
Tgt Ion:117 Resp: 460
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#

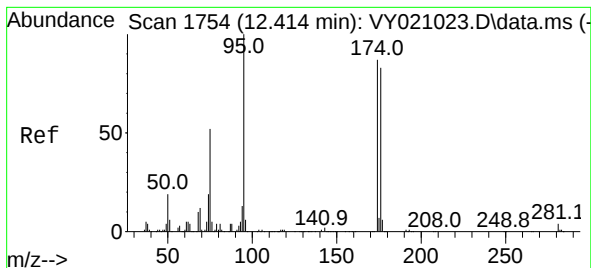


#50
Toluene-d8
Concen: 47.162 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55



Tgt Ion: 98 Resp: 9317
Ion Ratio Lower Upper
98 100
100 66.8 52.3 78.5

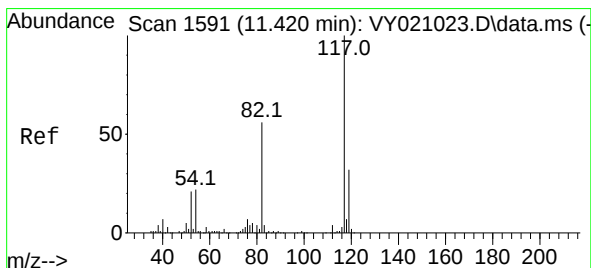
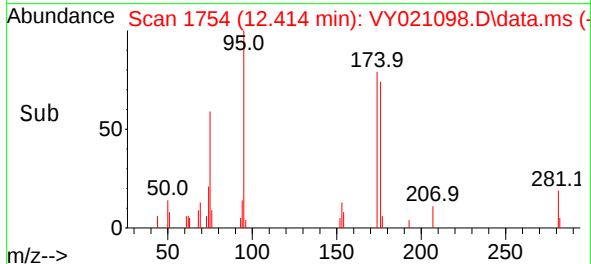
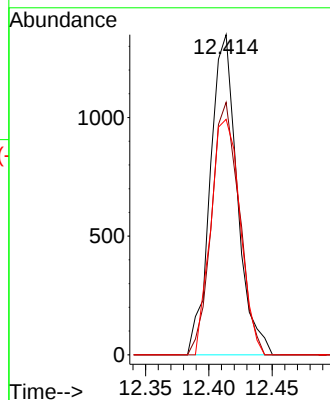
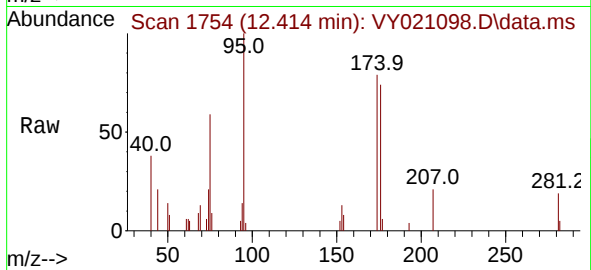




#62
4-Bromofluorobenzene
Concen: 31.020 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

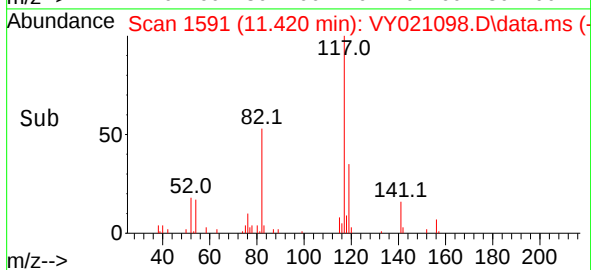
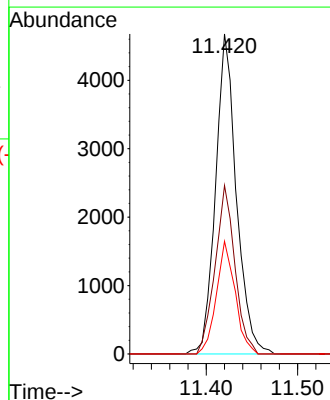
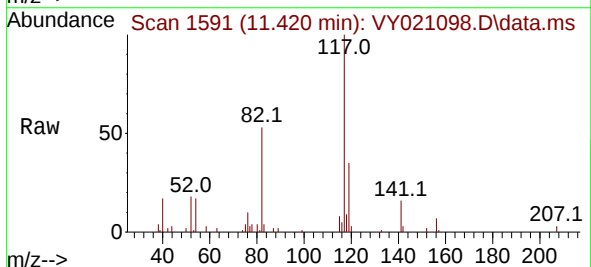
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MSVOA_Y
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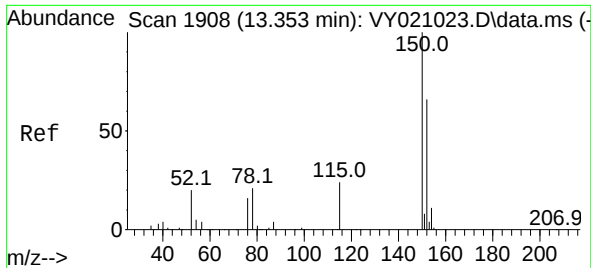
Tgt Ion:	95	Resp:	2002
Ion Ratio	Lower	Upper	
95	100		
174	81.0	0.0	160.0
176	80.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

Tgt Ion:	117	Resp:	7402
Ion Ratio	Lower	Upper	
117	100		
82	52.7	43.8	65.8
119	35.2	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1

Delta R.T. 0.006 min

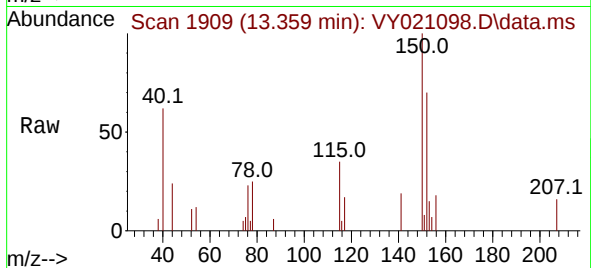
Lab File: VY021098.D

Acq: 05 Feb 2025 18:55

Instrument :

MSVOA_Y

ClientSampleId :



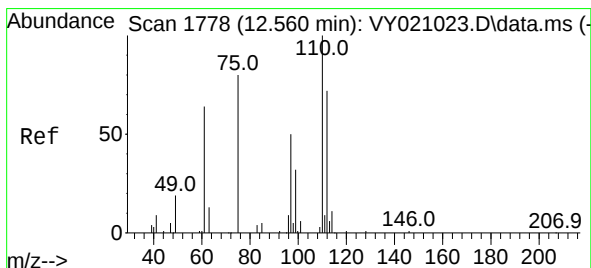
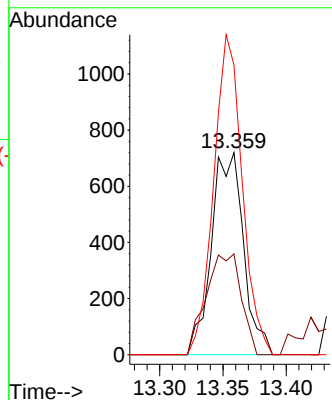
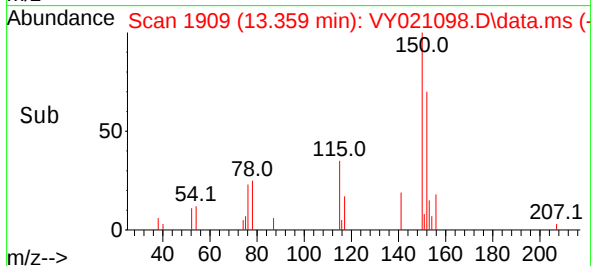
Tgt Ion:152 Resp: 1268

Ion Ratio Lower Upper

152 100

115 54.7 30.0 90.0

150 141.1 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 6.433 ug/l

RT: 12.645 min Scan# 1792

Delta R.T. 0.085 min

Lab File: VY021098.D

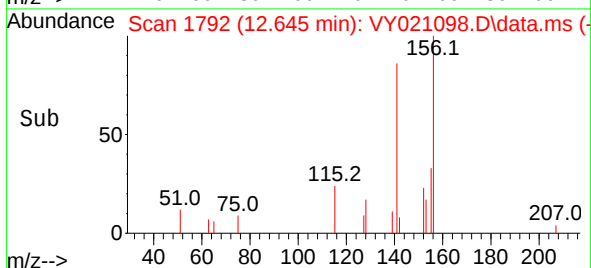
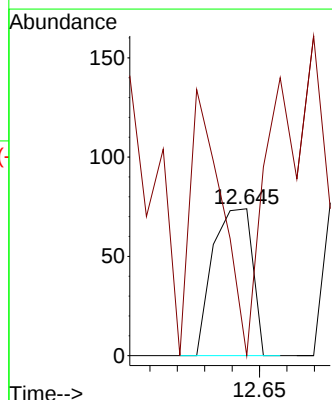
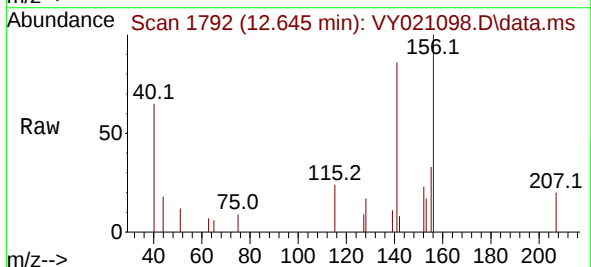
Acq: 05 Feb 2025 18:55

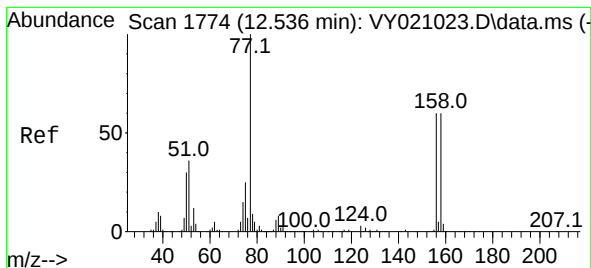
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

77 143.2 0.0 0.0#





#77

Bromobenzene

Concen: 210.963 ug/l

RT: 12.645 min Scan# 1

Delta R.T. 0.110 min

Lab File: VY021098.D

Acq: 05 Feb 2025 18:55

Instrument :

MSVOA_Y

ClientSampleId :

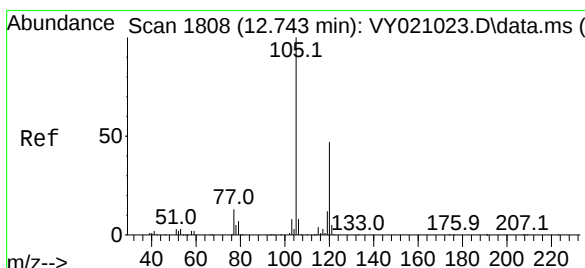
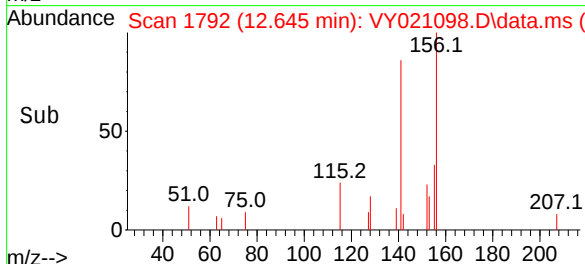
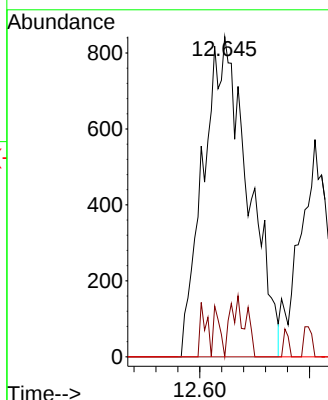
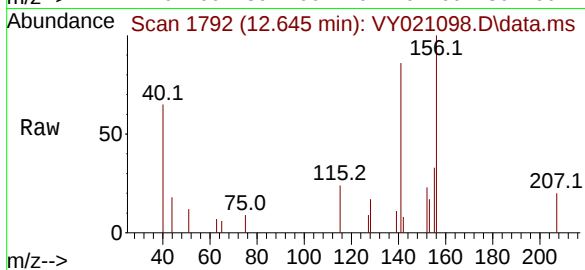
Tgt Ion:156 Resp: 4822

Ion Ratio Lower Upper

156 100

77 2.2 97.3 291.8#

158 0.0 48.4 145.0#



#80

1,3,5-Trimethylbenzene

Concen: 2.354 ug/l

RT: 12.700 min Scan# 1801

Delta R.T. -0.043 min

Lab File: VY021098.D

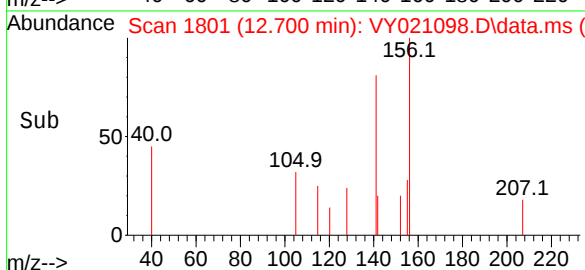
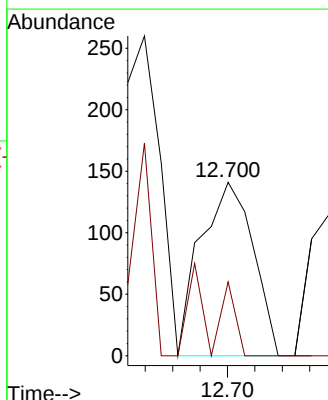
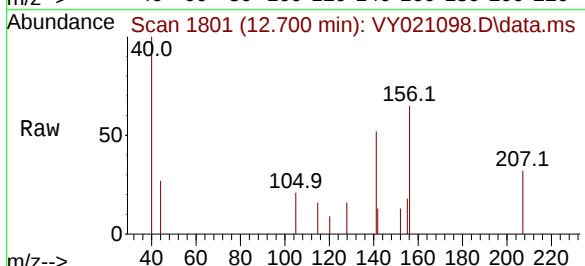
Acq: 05 Feb 2025 18:55

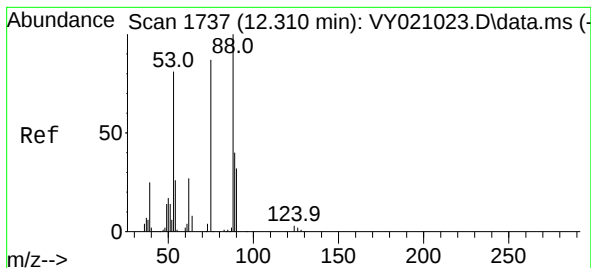
Tgt Ion:105 Resp: 189

Ion Ratio Lower Upper

105 100

120 25.9 24.3 72.8

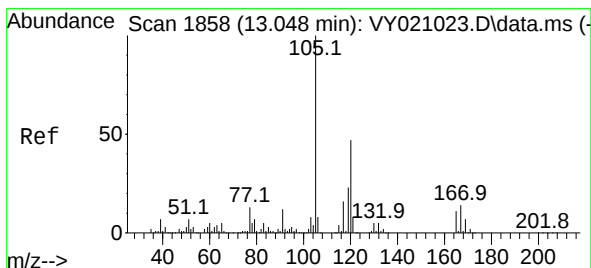
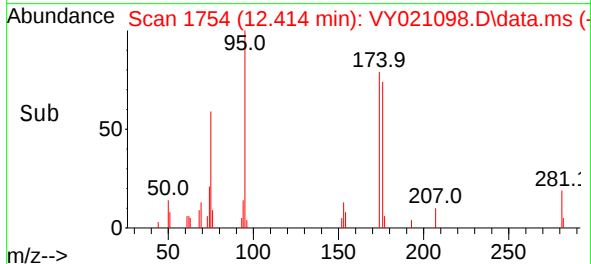
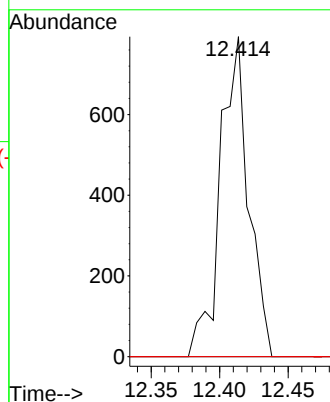
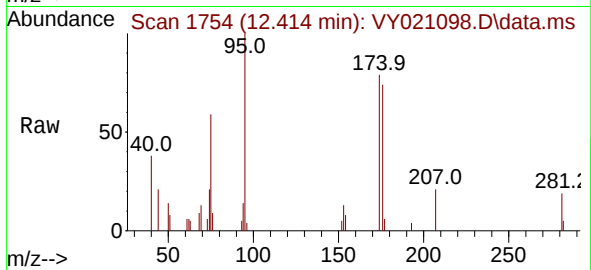




#81
trans-1,4-Dichloro-2-butene
Concen: 201.878 ug/l
RT: 12.414 min Scan# 1138
Delta R.T. 0.103 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

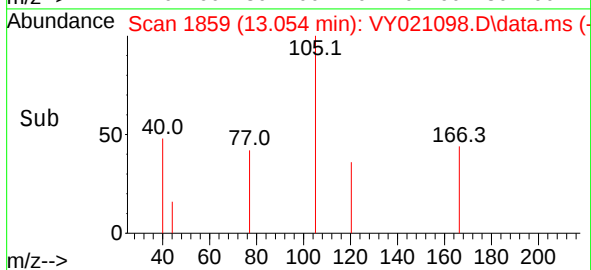
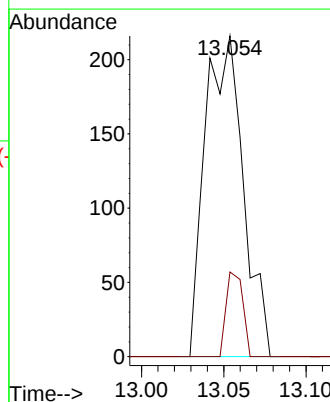
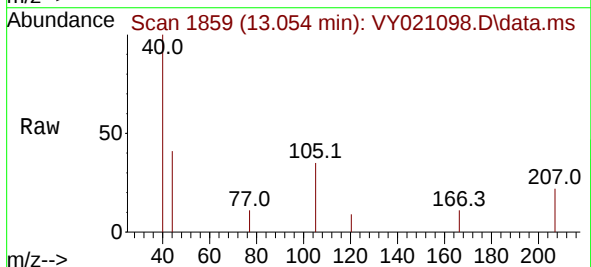
Instrument :
MSVOA_Y
ClientSampleId :

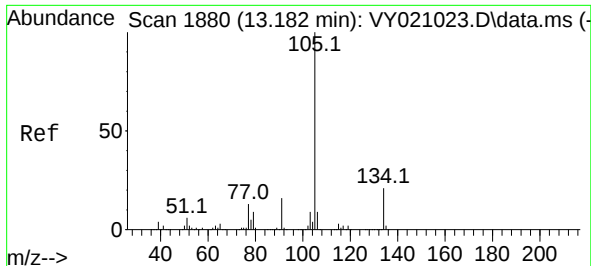
Tgt Ion: 75 Resp: 1138
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 4.445 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

Tgt Ion:105 Resp: 349
Ion Ratio Lower Upper
105 100
120 11.5 22.1 66.3#





#85

sec-Butylbenzene

Concen: 3.322 ug/l

RT: 13.054 min Scan# 11

Delta R.T. -0.128 min

Lab File: VY021098.D

Acq: 05 Feb 2025 18:55

Instrument :

MSVOA_Y

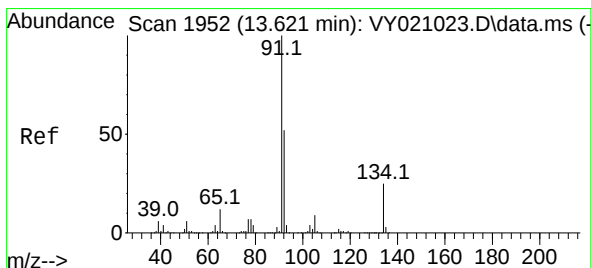
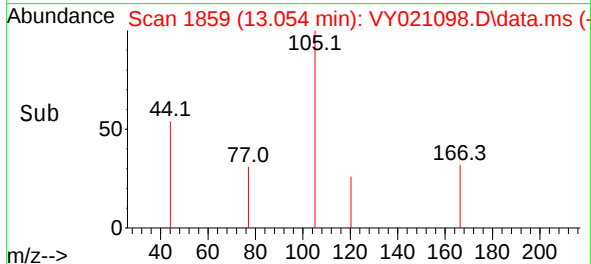
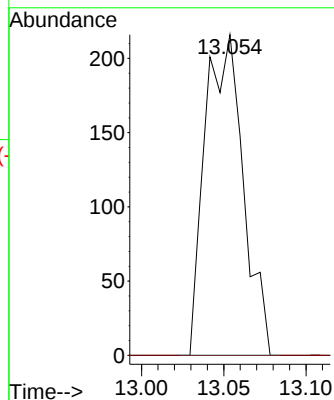
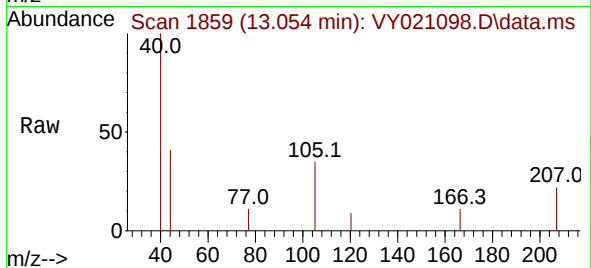
ClientSampleId :

Tgt Ion:105 Resp: 349

Ion Ratio Lower Upper

105 100

134 0.0 9.7 28.9#



#89

n-Butylbenzene

Concen: 5.024 ug/l

RT: 13.554 min Scan# 1941

Delta R.T. -0.067 min

Lab File: VY021098.D

Acq: 05 Feb 2025 18:55

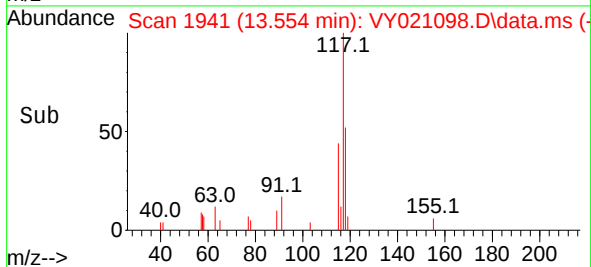
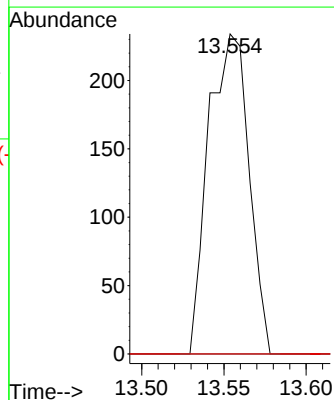
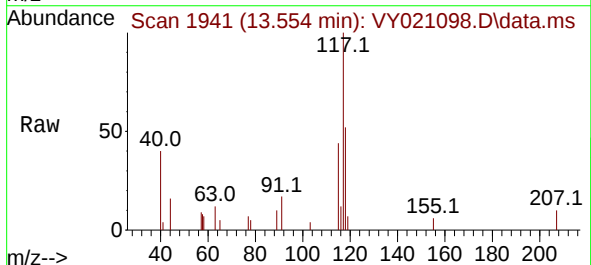
Tgt Ion: 91 Resp: 400

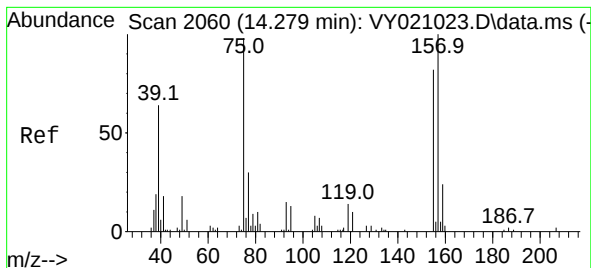
Ion Ratio Lower Upper

91 100

92 0.0 26.4 79.2#

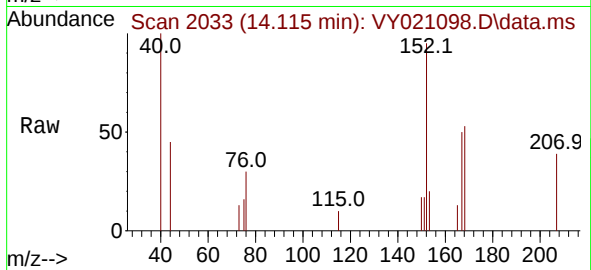
134 0.0 12.3 36.8#



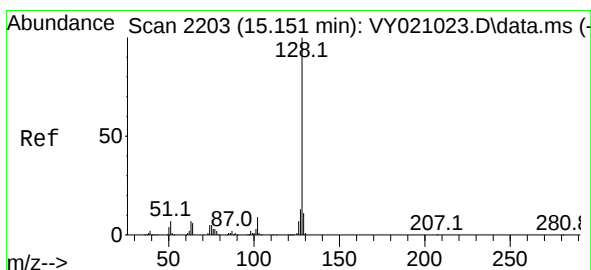
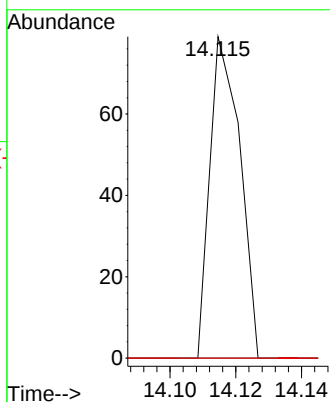
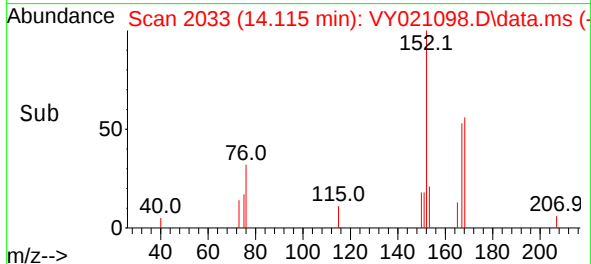


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.311 ug/l
RT: 14.115 min Scan# 2060
Delta R.T. -0.165 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55

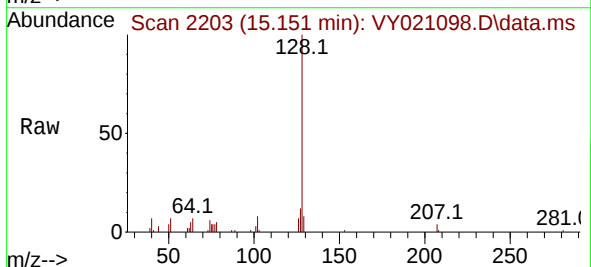
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 0.0 55.8 167.4#



#95
Naphthalene
Concen: 356.906 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021098.D
Acq: 05 Feb 2025 18:55



Tgt Ion: 128 Resp: 12175
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.7 8.6 12.8

