

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021872.D
 Acq On : 14 Apr 2025 16:13
 Operator : SY/MD
 Sample : Q1792-01
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-041125

Quant Time: Apr 14 23:32:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

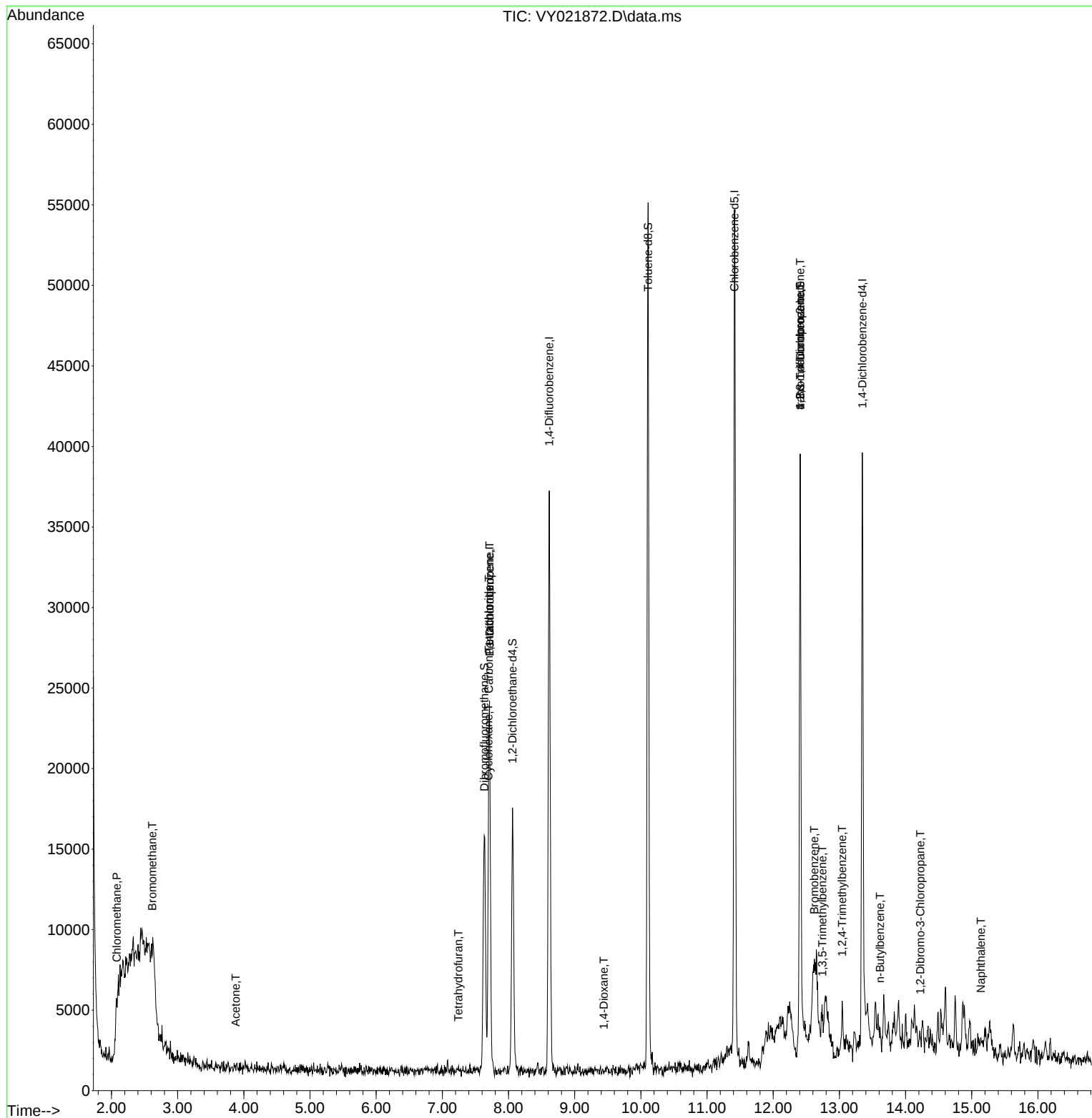
Internal Standards						
1) Pentafluorobenzene	7.713	168	17931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	28506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13019	67.013	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.020%			
35) Dibromofluoromethane	7.634	113	11061	57.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.140%			
50) Toluene-d8	10.109	98	35840	48.607	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.408	95	10565	42.361	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.720%			
Target Compounds						Qvalue
3) Chloromethane	2.080	50	399	1.527	ug/l	100
5) Bromomethane	2.617	94	457	2.267	ug/l	85
16) Acetone	3.879	43	385	9.683	ug/l #	44
29) Tetrahydrofuran	7.244	42	68	1.860	ug/l #	34
31) Cyclohexane	7.695	56	398	1.161	ug/l #	52
36) 1,1-Dichloropropene	7.713	75	1333	4.515	ug/l #	47
38) Carbon Tetrachloride	7.701	117	2008	5.939	ug/l #	12
49) 1,4-Dioxane	9.439	88	46	35.603	ug/l #	5
76) 1,2,3-Trichloropropane	12.408	75	5680	64.550	ug/l #	100
77) Bromobenzene	12.621	156	2411	15.230	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.743	105	541	1.004	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.408	75	5680	148.734	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.042	105	1270	2.385	ug/l	83
89) n-Butylbenzene	13.615	91	645	1.203	ug/l #	43
92) 1,2-Dibromo-3-Chloropr...	14.224	75	19	1.034	ug/l #	1
95) Naphthalene	15.139	128	1038	4.253	ug/l #	80

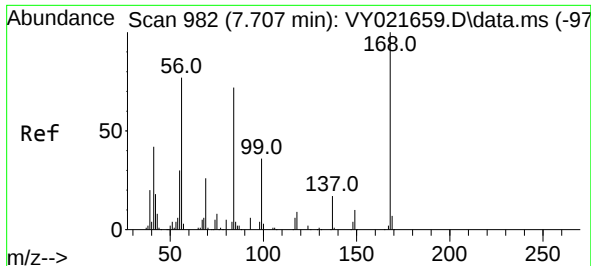
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

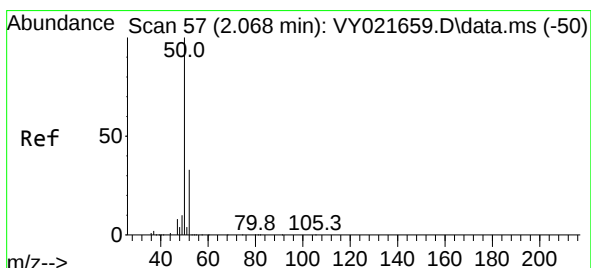
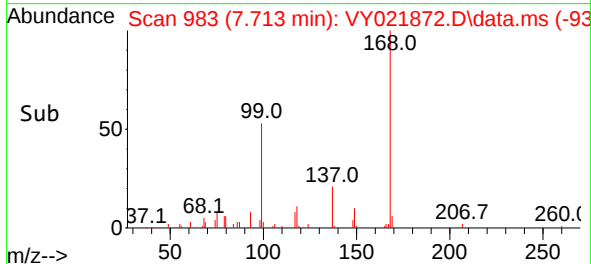
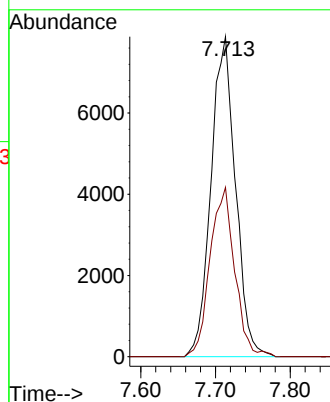
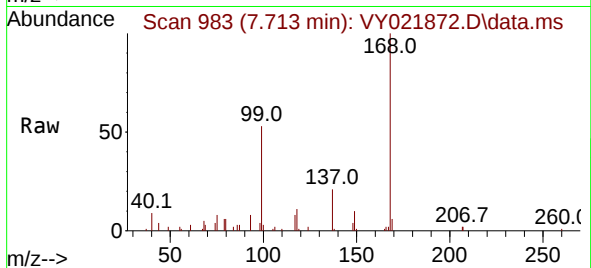




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

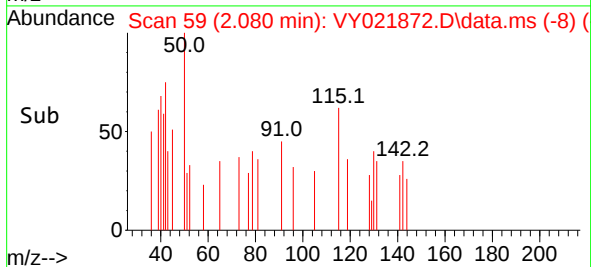
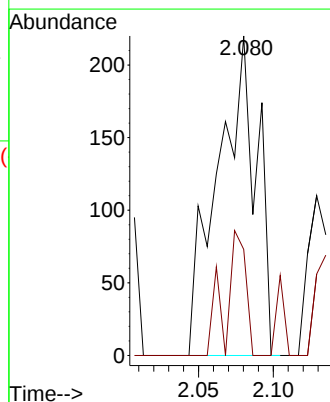
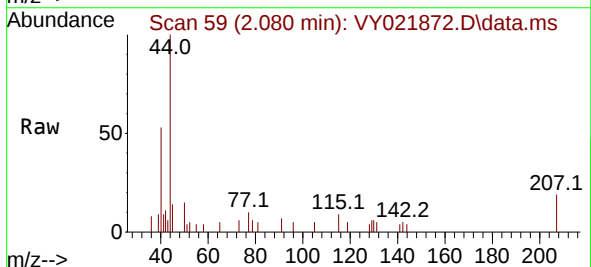
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-041125

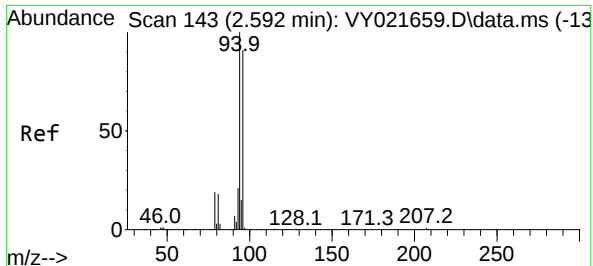
Tgt Ion:168 Resp: 17931
Ion Ratio Lower Upper
168 100
99 52.9 46.7 70.1



#3
Chloromethane
Concen: 1.527 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 33.2 26.3 39.5

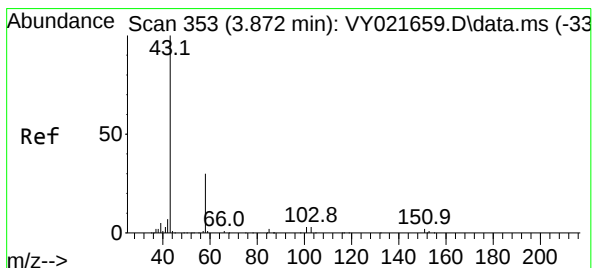
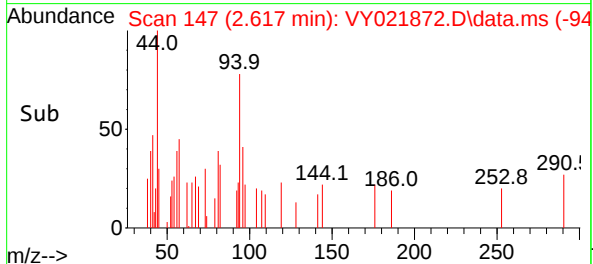
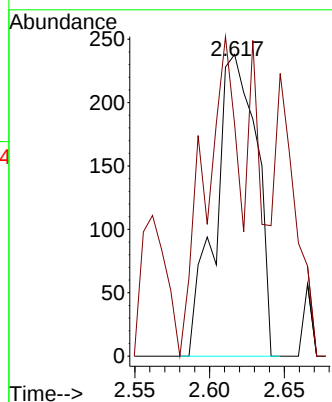
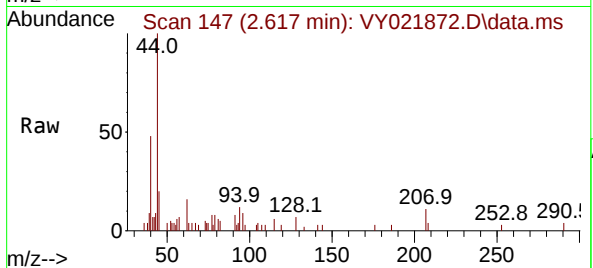




#5
Bromomethane
Concen: 2.267 ug/l
RT: 2.617 min Scan# 143
Delta R.T. 0.025 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

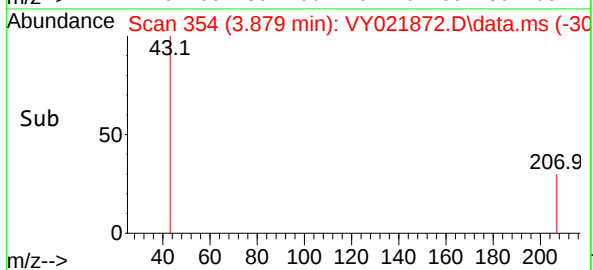
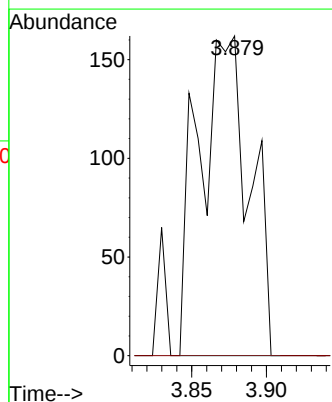
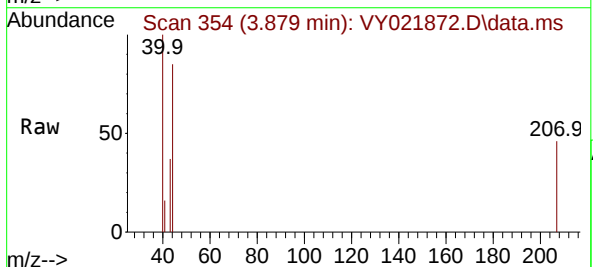
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-041125

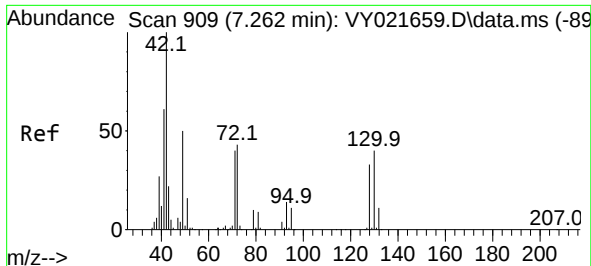
Tgt Ion: 94 Resp: 457
Ion Ratio Lower Upper
94 100
96 76.9 72.8 109.2



#16
Acetone
Concen: 9.683 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#





#29

Tetrahydrofuran

Concen: 1.860 ug/l

RT: 7.244 min Scan# 90

Delta R.T. -0.018 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-041125

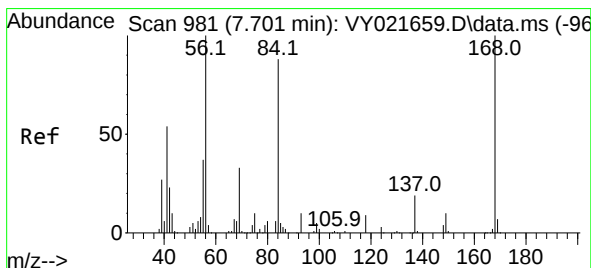
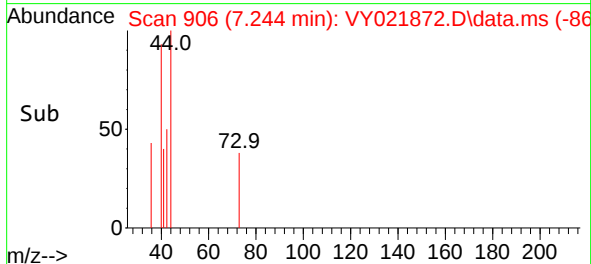
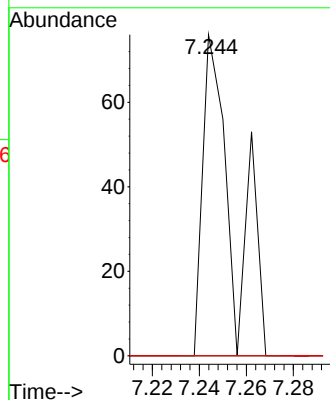
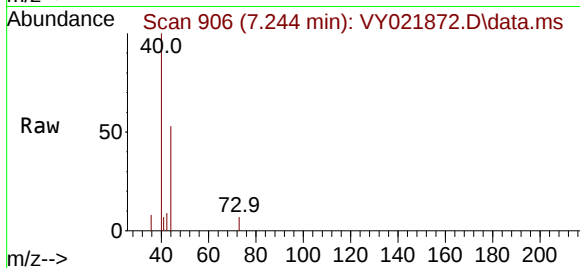
Tgt Ion: 42 Resp: 68

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 32.5 48.7#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

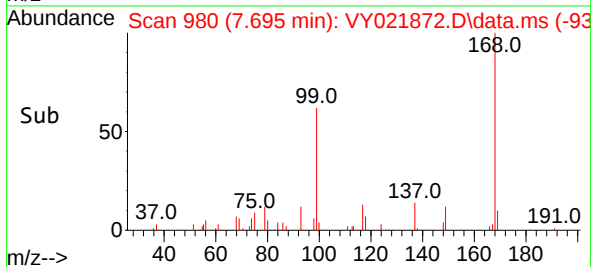
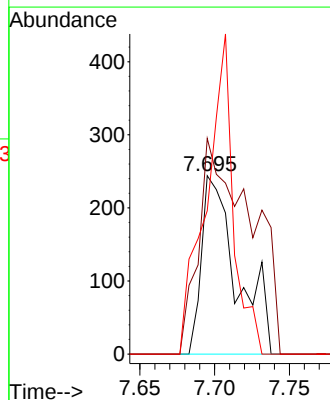
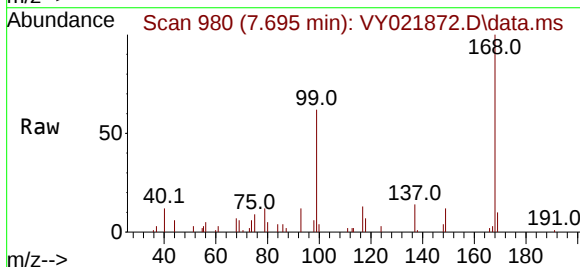
Tgt Ion: 56 Resp: 398

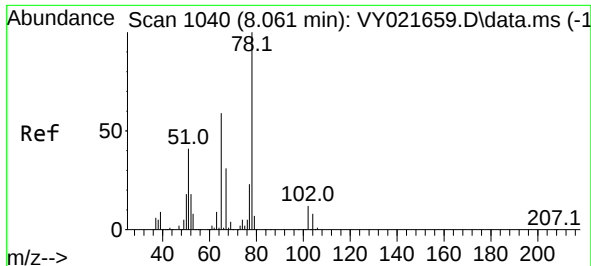
Ion Ratio Lower Upper

56 100

69 120.9 26.6 40.0#

84 80.3 69.0 103.4





#33

1,2-Dichloroethane-d4

Concen: 67.013 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

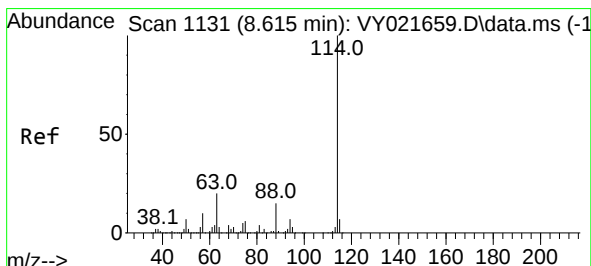
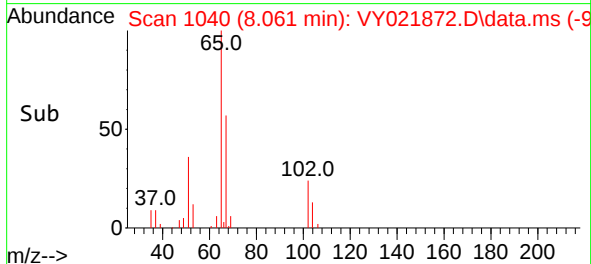
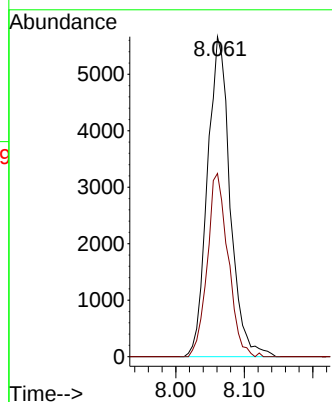
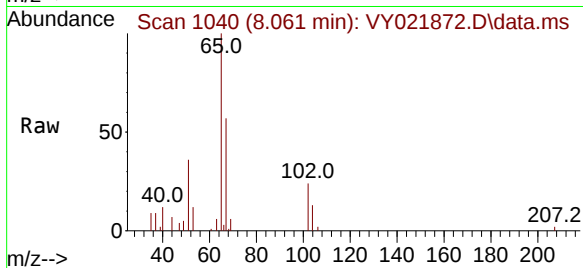
TR-05-041125

Tgt Ion: 65 Resp: 13019

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

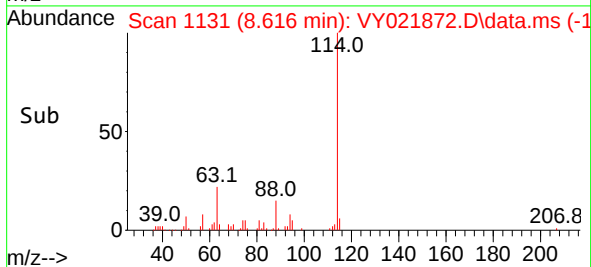
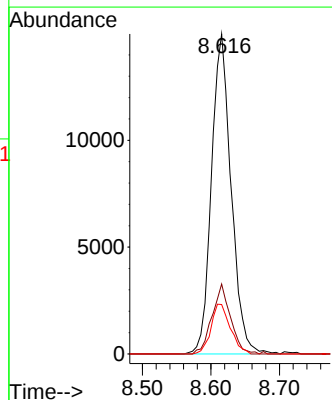
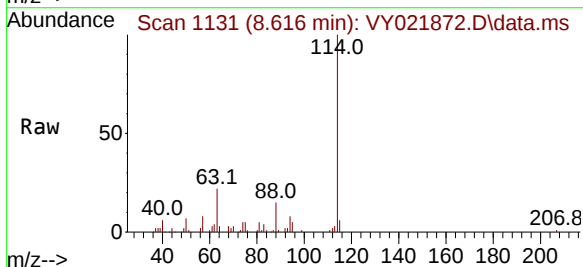
Tgt Ion: 114 Resp: 29879

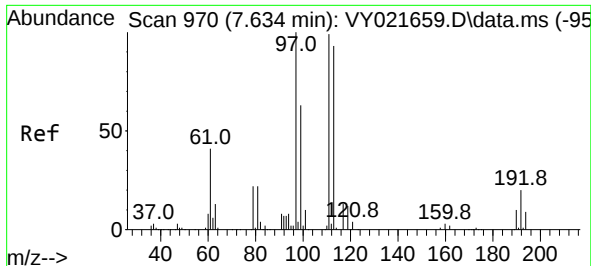
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.2

88 15.5 0.0 29.8

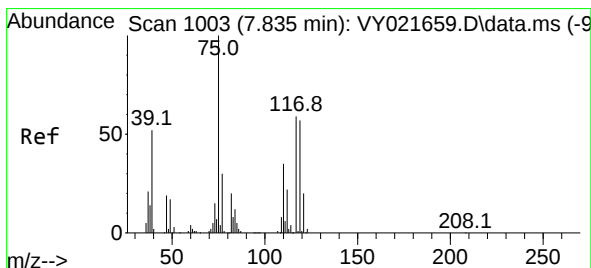
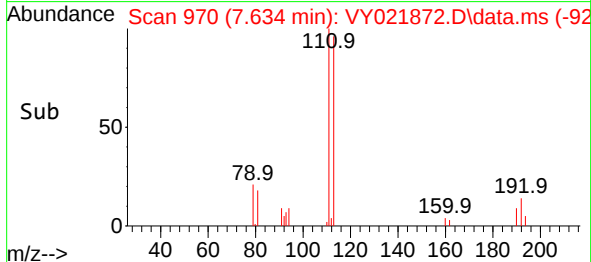
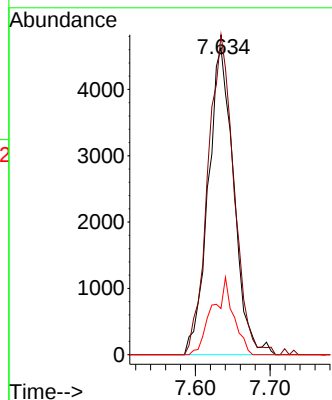
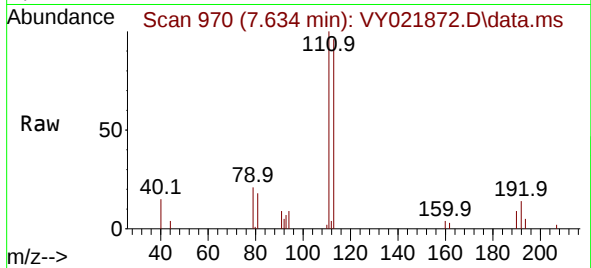




#35
Dibromofluoromethane
Concen: 57.068 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

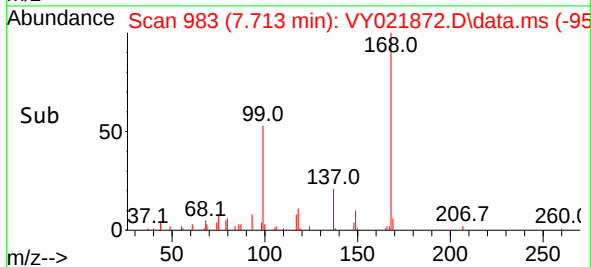
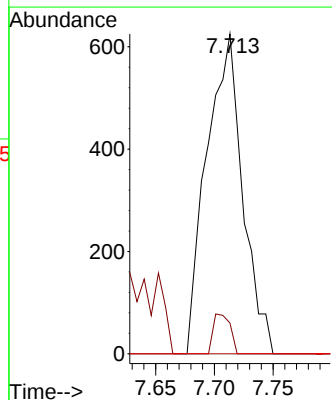
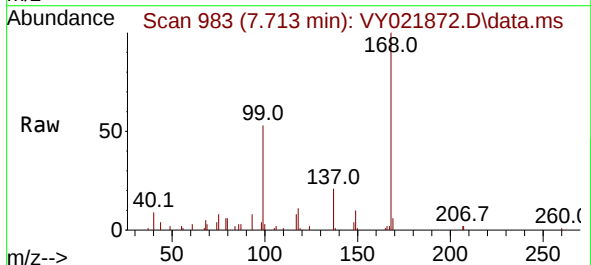
Instrument :
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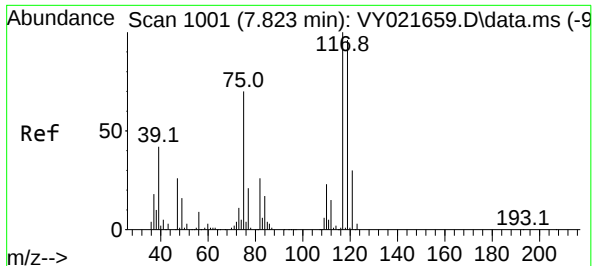
Tgt Ion:113 Resp: 11061
Ion Ratio Lower Upper
113 100
111 105.5 82.6 123.8
192 20.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 75 Resp: 1333
Ion Ratio Lower Upper
75 100
110 5.9 17.0 50.9#
77 0.0 24.8 37.2#

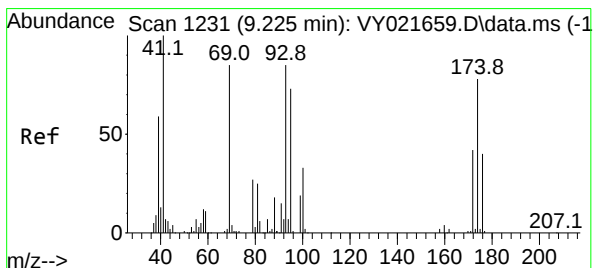
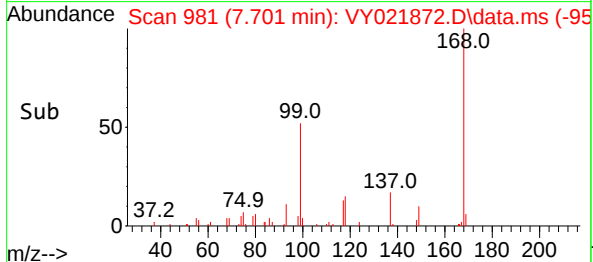
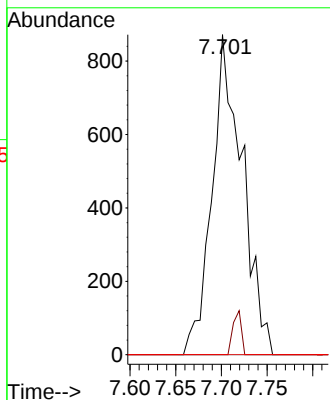
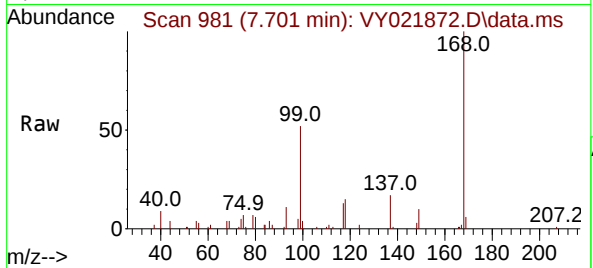




#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

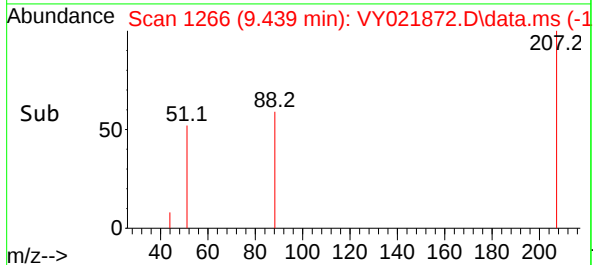
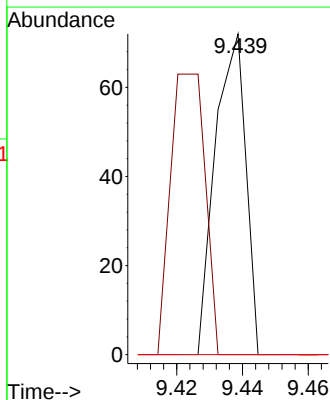
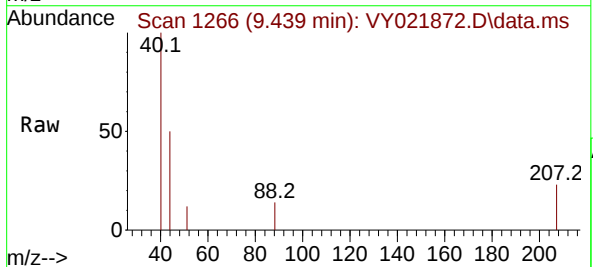
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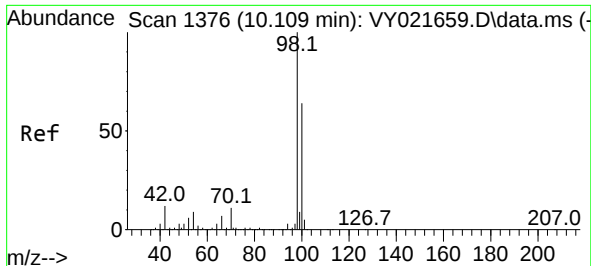
Tgt Ion:117 Resp: 2008
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 35.603 ug/l
RT: 9.439 min Scan# 1266
Delta R.T. 0.214 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 100.0 28.8 43.2#
58 0.0 59.4 89.2#

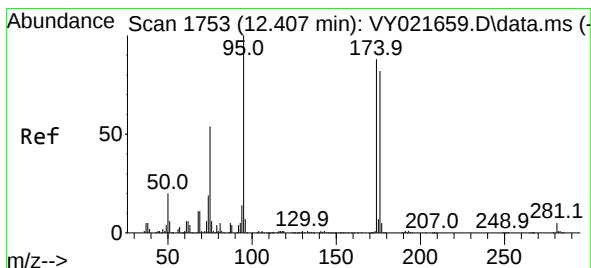
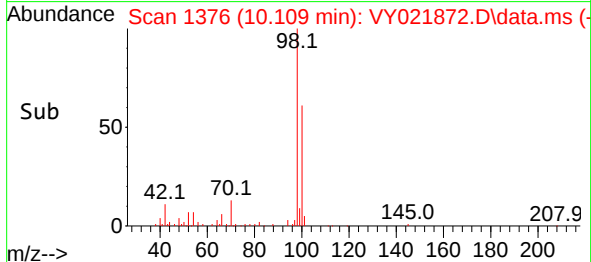
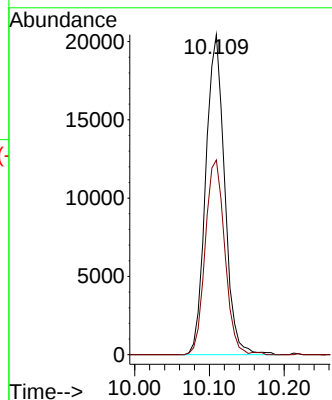
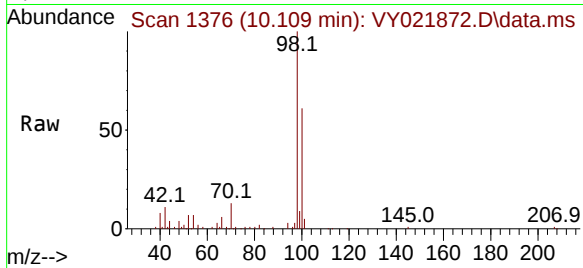




#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

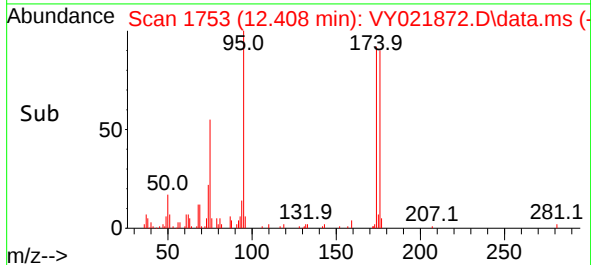
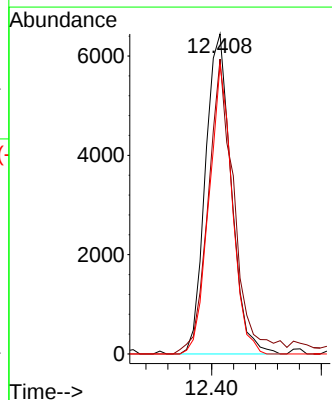
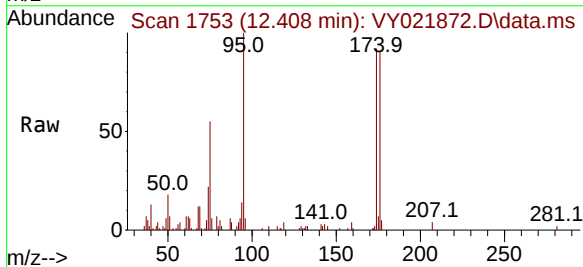
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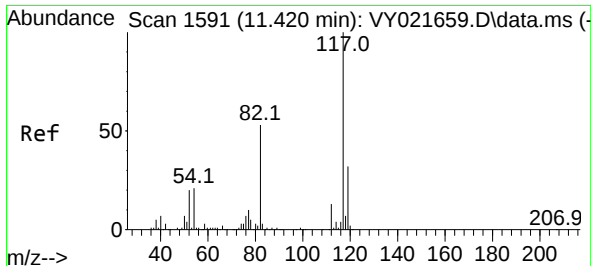
Tgt Ion: 98 Resp: 35840
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.361 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 95 Resp: 10565
Ion Ratio Lower Upper
95 100
174 92.6 0.0 170.8
176 81.0 0.0 162.0

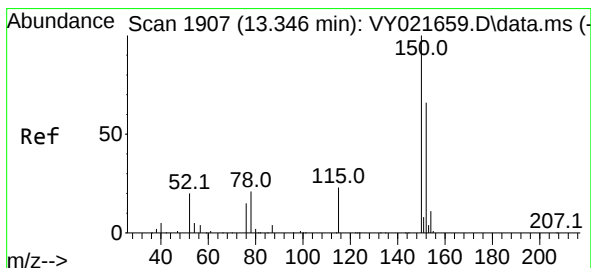
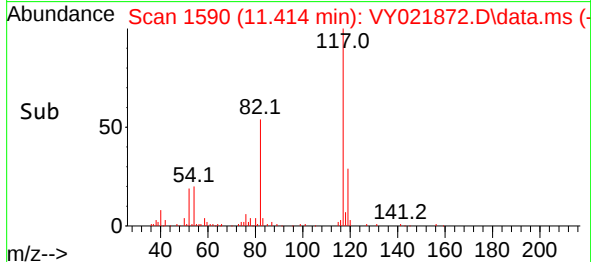
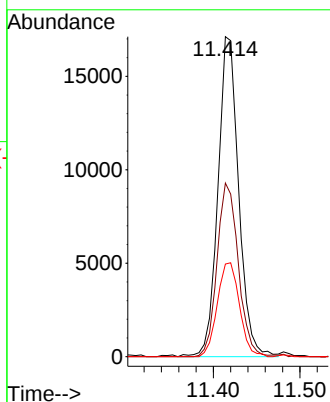
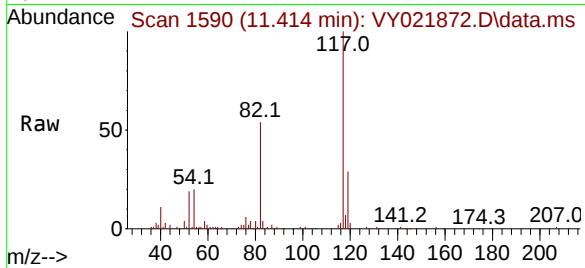




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

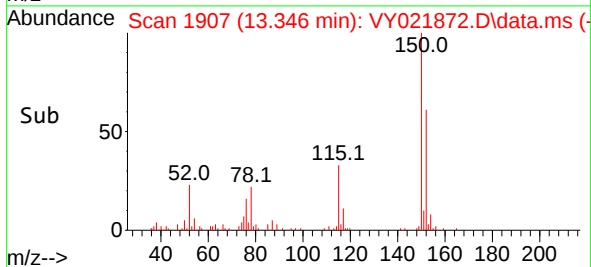
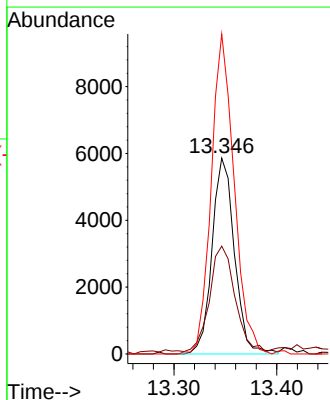
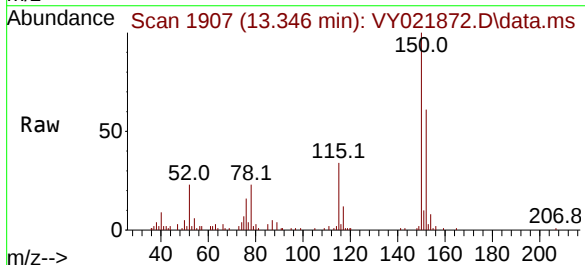
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-041125

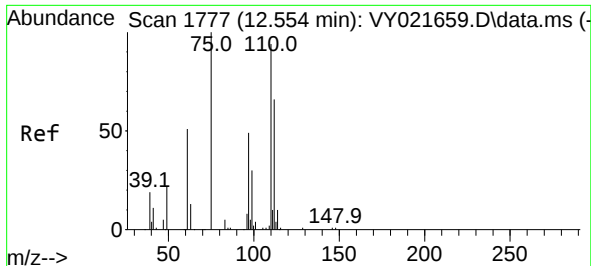
Tgt Ion:117	Resp:	28506
Ion Ratio	Lower	Upper
117	100	
82	54.3	42.8 64.2
119	28.9	25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion:152	Resp:	8877
Ion Ratio	Lower	Upper
152	100	
115	60.7	28.8 86.5
150	166.4	0.0 348.4

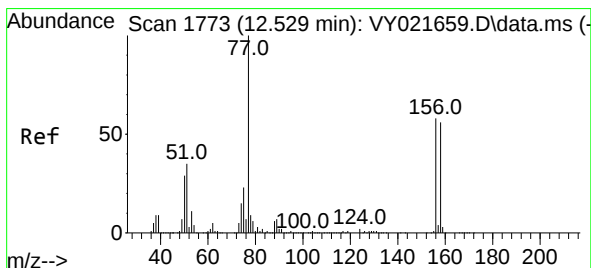
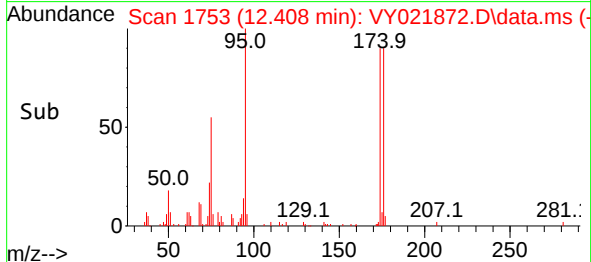
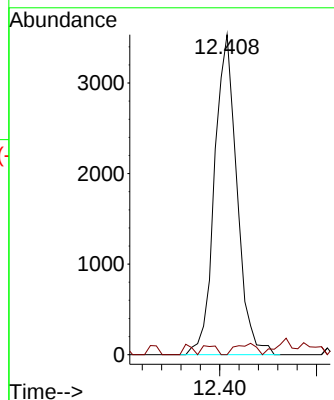
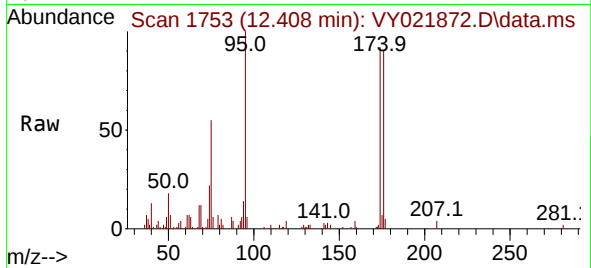




#76
1,2,3-Trichloropropane
Concen: 64.550 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

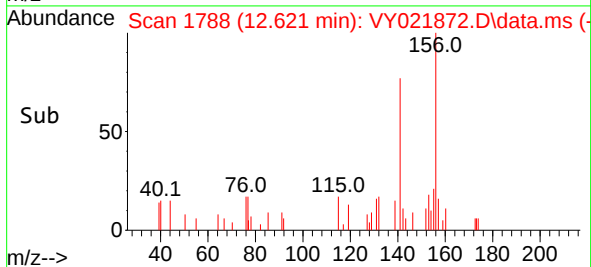
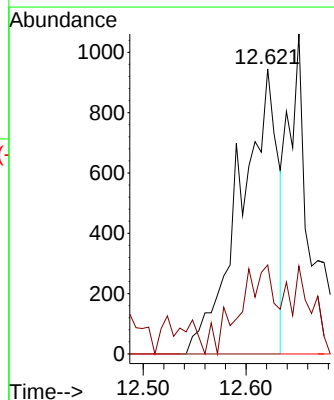
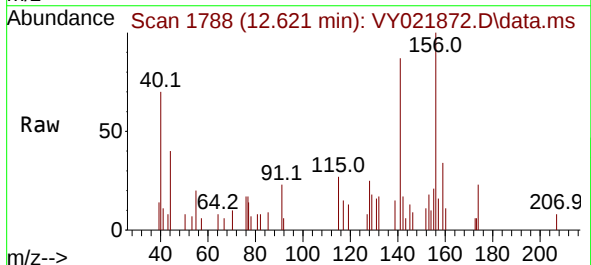
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-041125

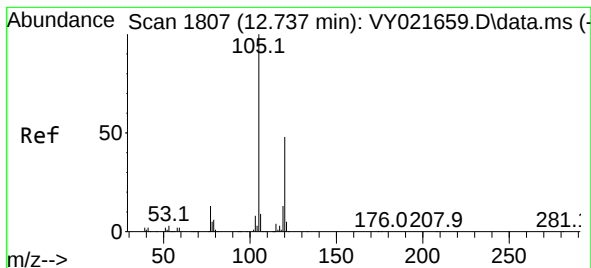
Tgt Ion: 75 Resp: 5680
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 15.230 ug/l
RT: 12.621 min Scan# 1788
Delta R.T. 0.092 min
Lab File: VY021872.D
Acq: 14 Apr 2025 16:13

Tgt Ion: 156 Resp: 2411
Ion Ratio Lower Upper
156 100
77 29.7 92.8 278.3#
158 0.0 48.5 145.6#





#80

1,3,5-Trimethylbenzene

Concen: 1.004 ug/l

RT: 12.743 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

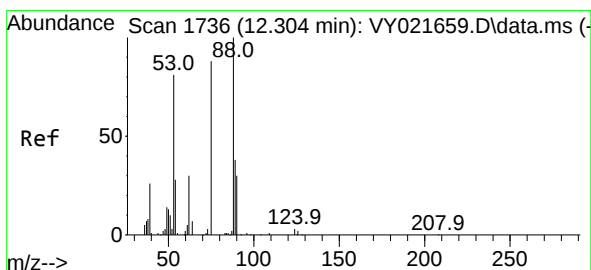
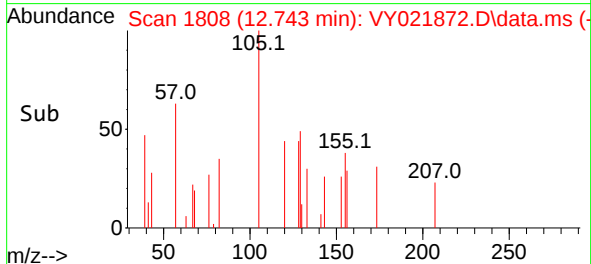
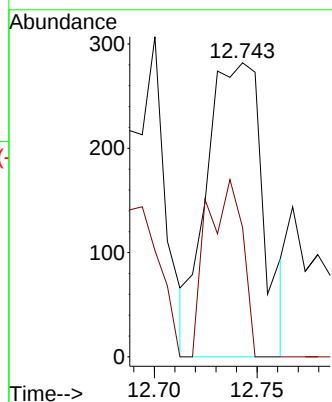
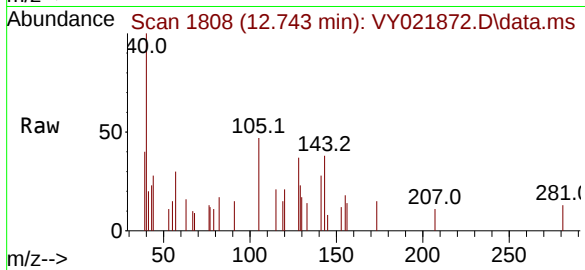
TR-05-041125

Tgt Ion:105 Resp: 541

Ion Ratio Lower Upper

105 100

120 38.1 24.5 73.5



#81

trans-1,4-Dichloro-2-butene

Concen: 148.734 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

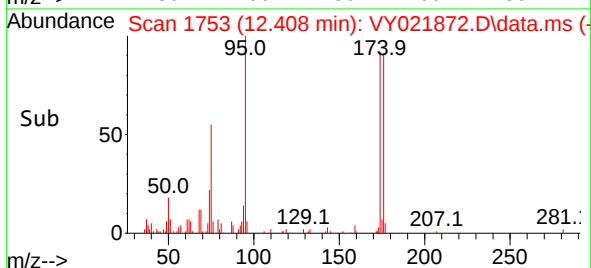
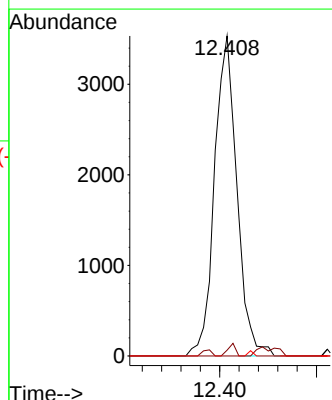
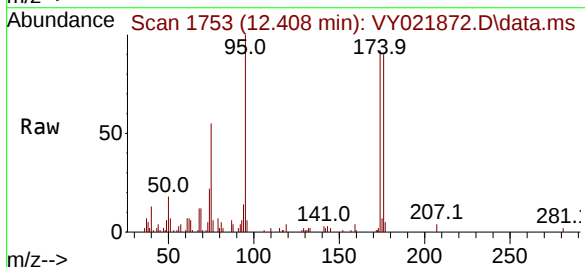
Tgt Ion: 75 Resp: 5680

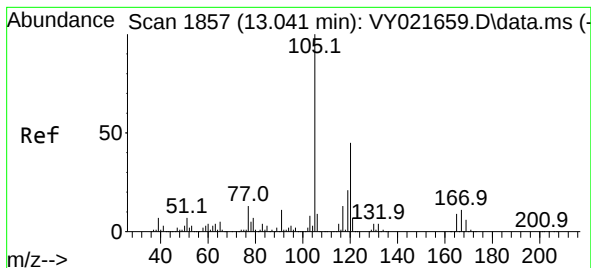
Ion Ratio Lower Upper

75 100

53 1.3 76.1 114.1#

89 0.0 36.2 54.4#





#84

1,2,4-Trimethylbenzene

Concen: 2.385 ug/l

RT: 13.042 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

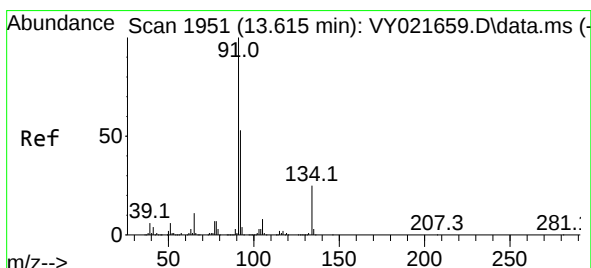
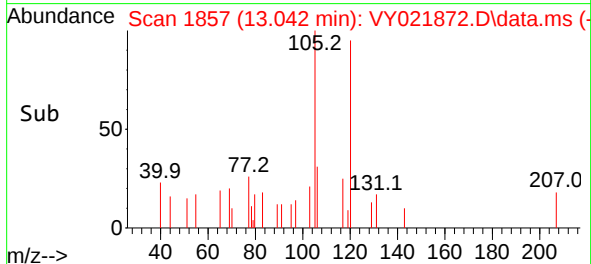
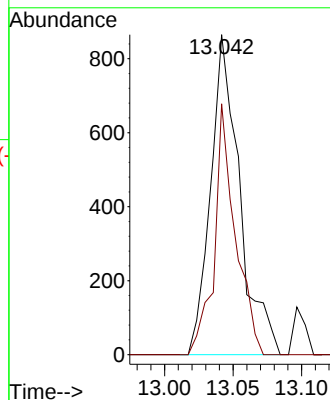
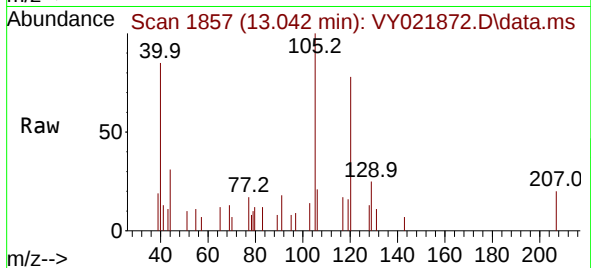
TR-05-041125

Tgt Ion:105 Resp: 1270

Ion Ratio Lower Upper

105 100

120 56.6 22.7 68.1



#89

n-Butylbenzene

Concen: 1.203 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

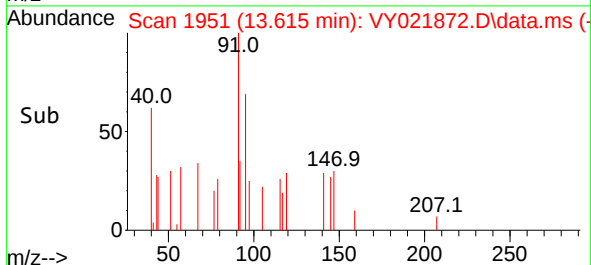
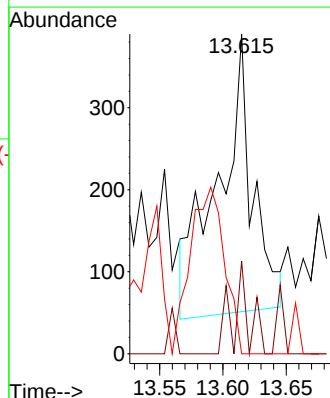
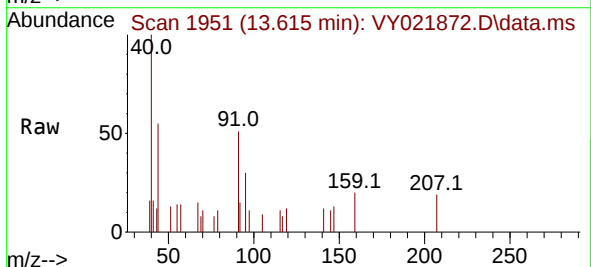
Tgt Ion: 91 Resp: 645

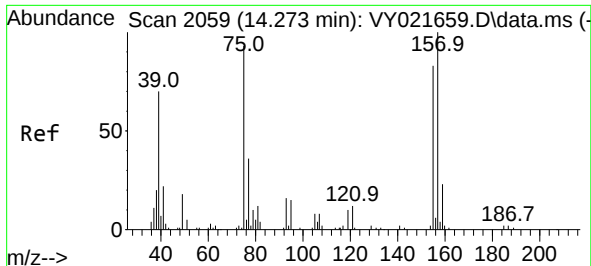
Ion Ratio Lower Upper

91 100

92 10.4 26.4 79.2#

134 0.0 12.8 38.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.034 ug/l

RT: 14.224 min Scan# 2051

Delta R.T. -0.049 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-041125

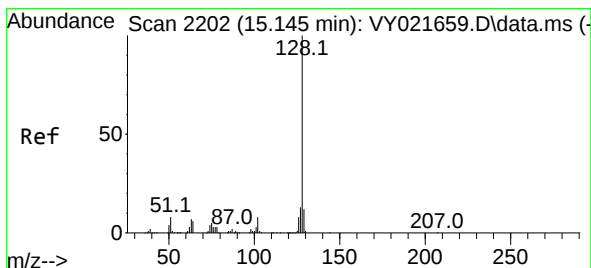
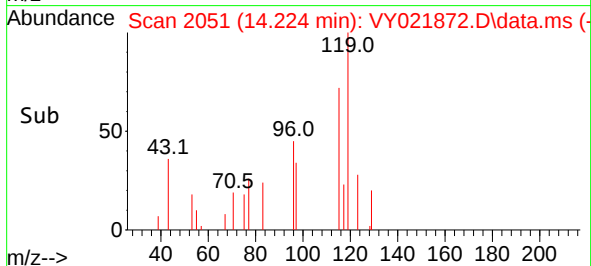
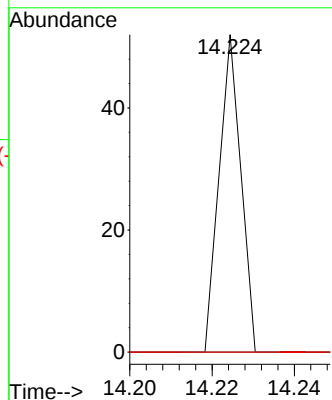
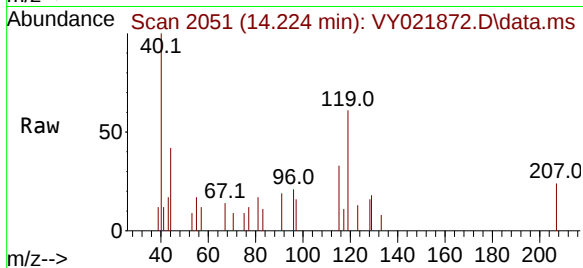
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

155 0.0 43.0 128.8#

157 0.0 54.0 162.0#



#95

Naphthalene

Concen: 4.253 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY021872.D

Acq: 14 Apr 2025 16:13

Tgt Ion: 128 Resp: 1038

Ion Ratio Lower Upper

128 100

127 18.8 10.8 16.2#

129 0.0 8.8 13.2#

