

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021770.D
 Acq On : 03 Apr 2025 13:56
 Operator : SY/MD
 Sample : Q1698-09
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-10

Quant Time: Apr 04 01:31:14 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)

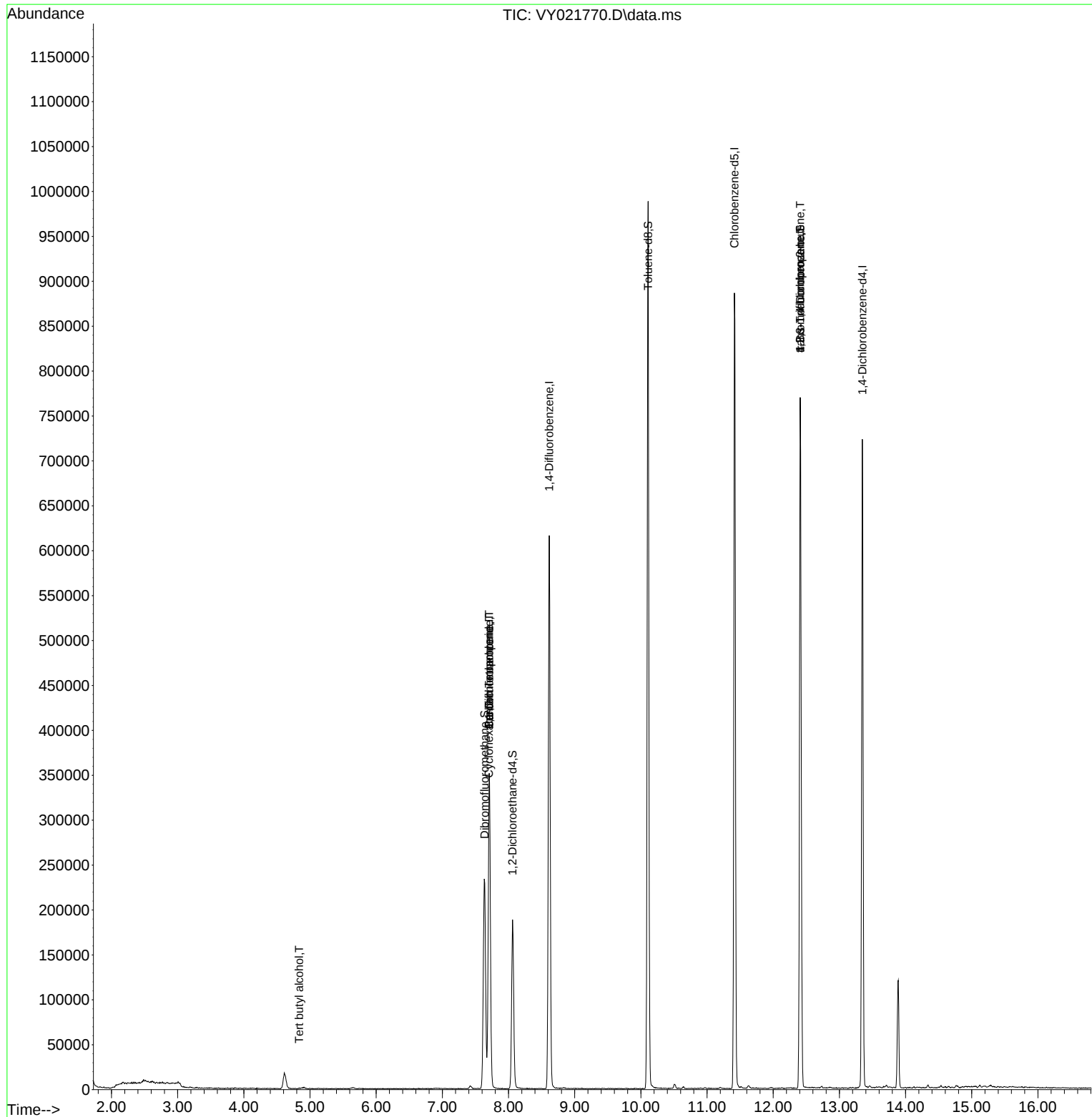
Internal Standards						
1) Pentafluorobenzene	7.707	168	264094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147838	51.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.340%	
35) Dibromofluoromethane	7.640	113	165001	50.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.240%	
50) Toluene-d8	10.109	98	625514	50.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.880%	
62) 4-Bromofluorobenzene	12.408	95	194072	46.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	395	2.125	ug/l	98
31) Cyclohexane	7.701	56	6223	1.232	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	21255	4.281	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27253	4.792	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	104417	58.637	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	104417	135.110	ug/l #	12

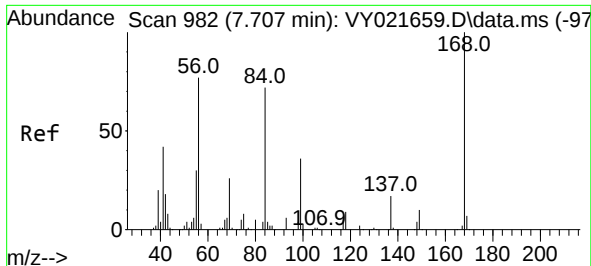
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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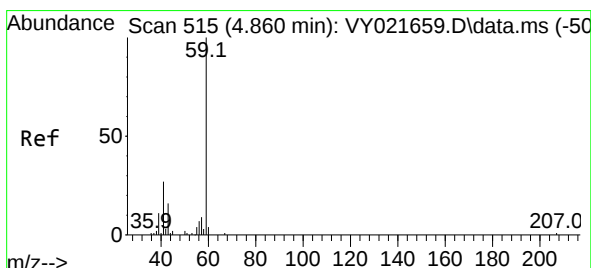
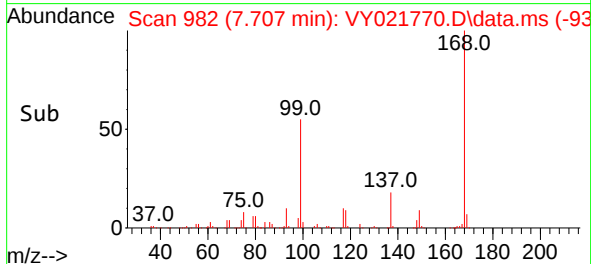
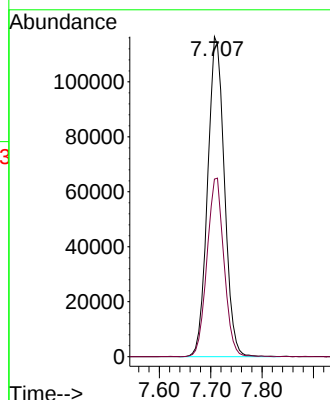
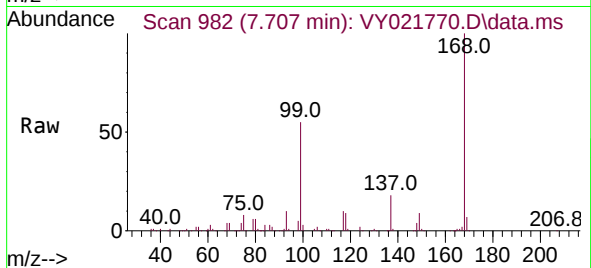




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

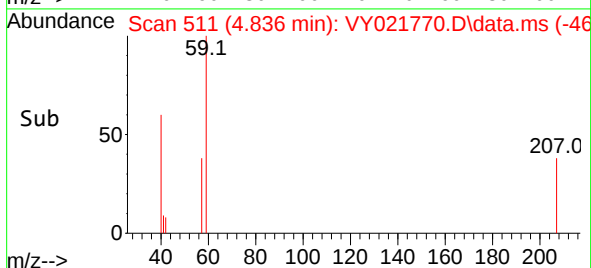
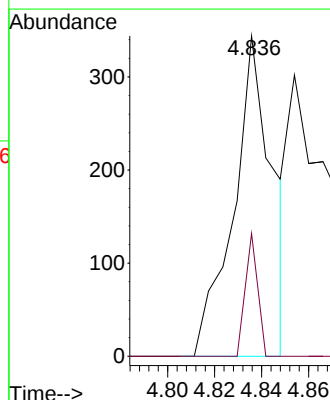
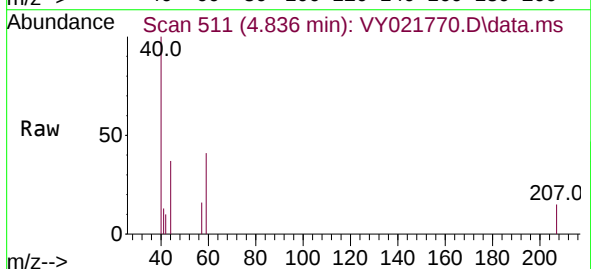
Instrument :
MSVOA_Y
ClientSampleId :
B-10

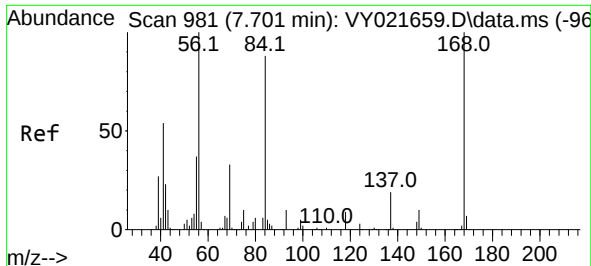
Tgt Ion:168 Resp: 264094
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.125 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 12.2 9.2 13.8

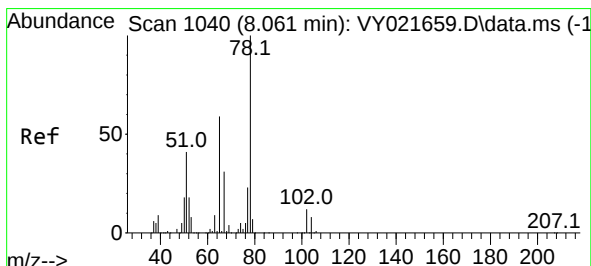
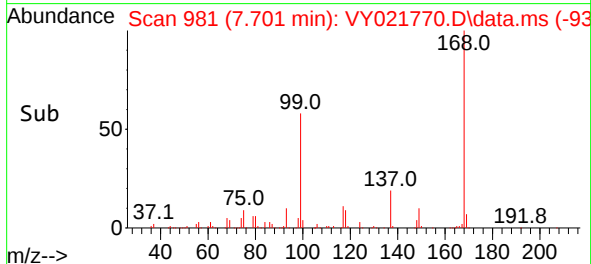
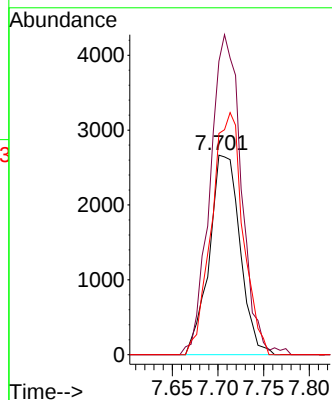
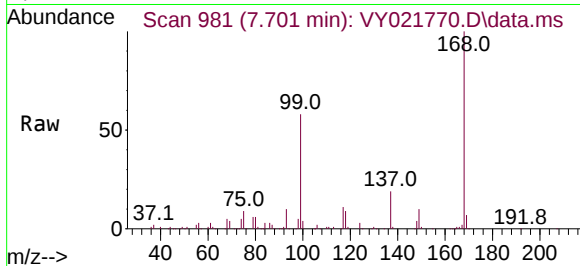




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

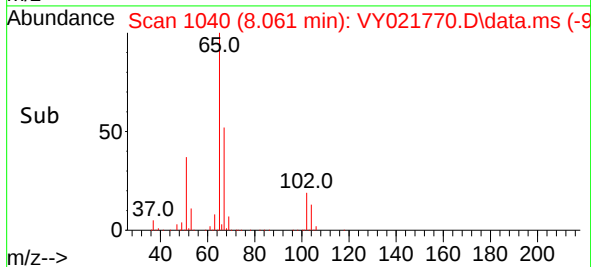
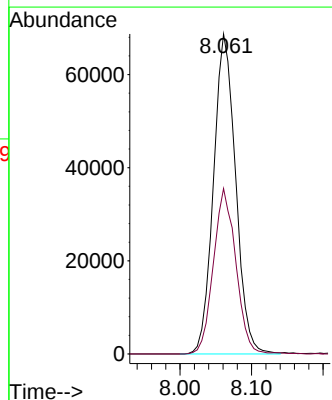
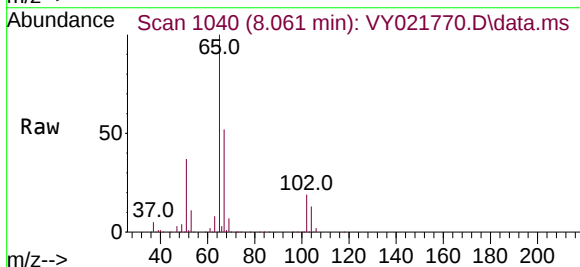
Instrument :
MSVOA_Y
ClientSampleId :
B-10

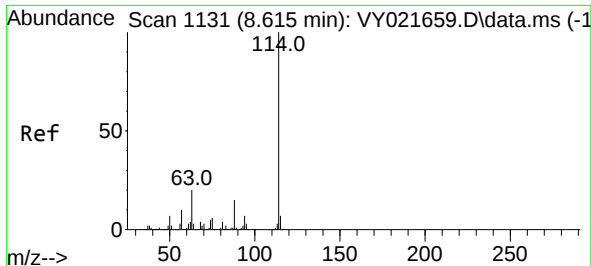
Tgt Ion: 56 Resp: 6223
Ion Ratio Lower Upper
56 100
69 147.1 26.6 40.0#
84 110.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 51.667 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion: 65 Resp: 147838
Ion Ratio Lower Upper
65 100
67 52.4 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: VY021770.D

Acq: 03 Apr 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

B-10

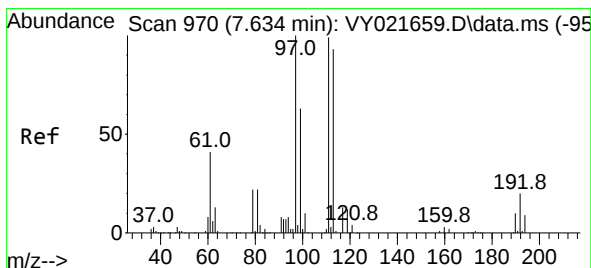
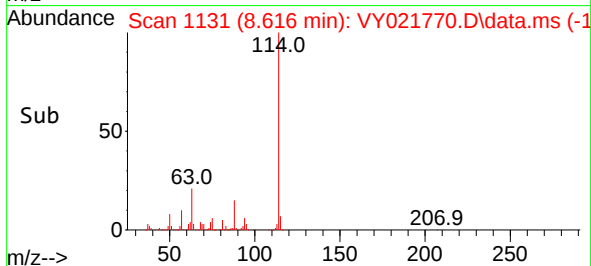
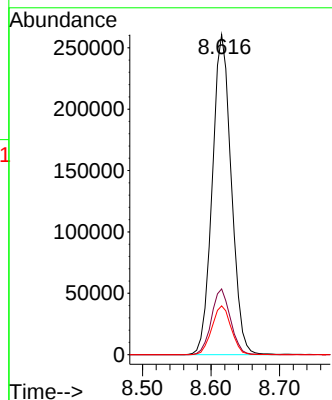
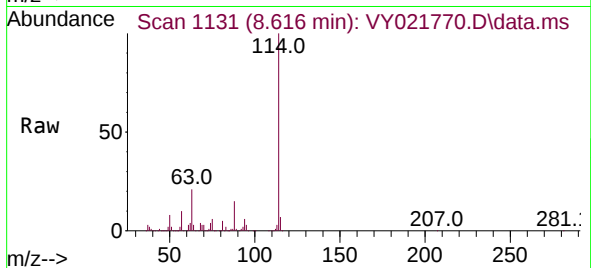
Tgt Ion:114 Resp: 502539

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.616 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

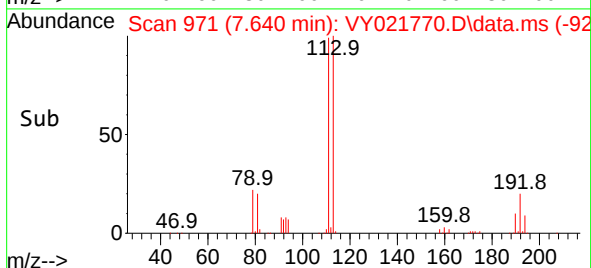
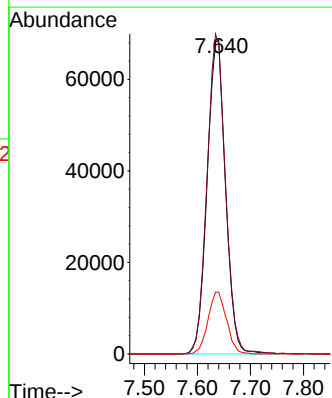
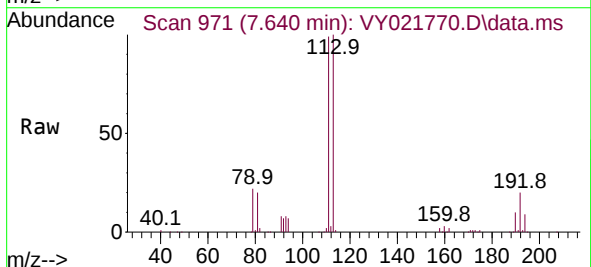
Tgt Ion:113 Resp: 165001

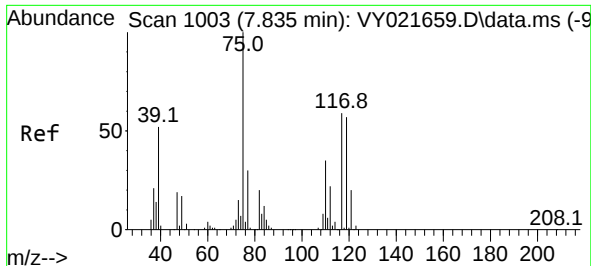
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 19.9 16.2 24.4

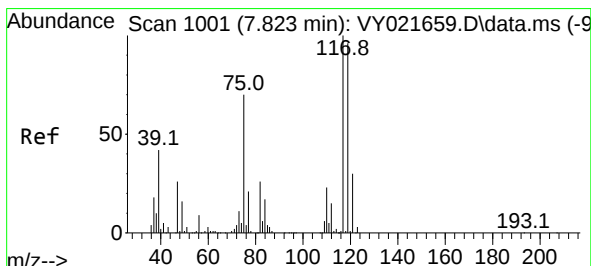
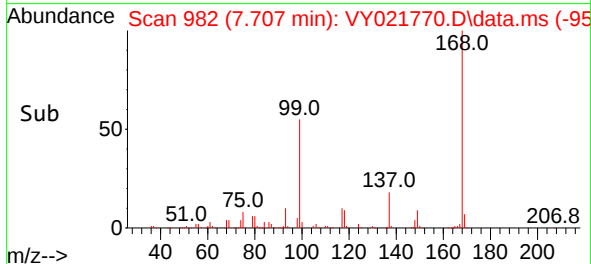
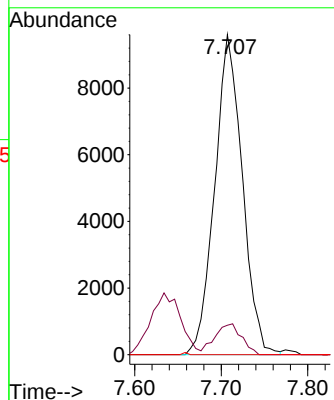
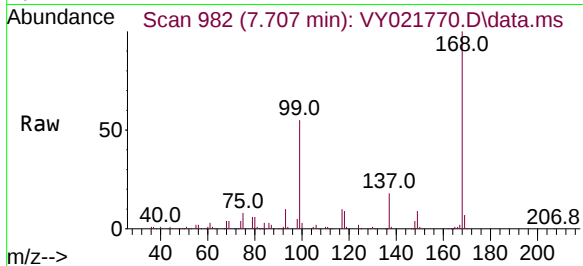




#36
 1,1-Dichloropropene
 Concen: 4.281 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY021770.D
 Acq: 03 Apr 2025 13:56

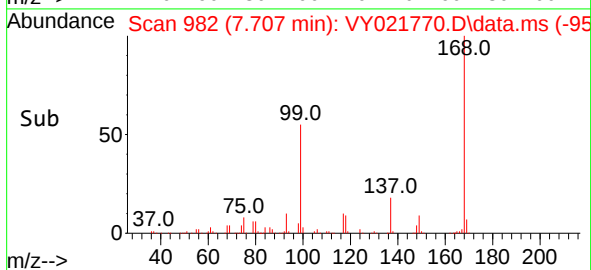
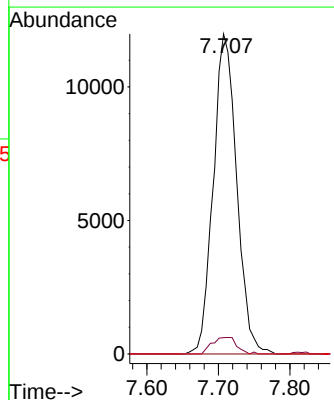
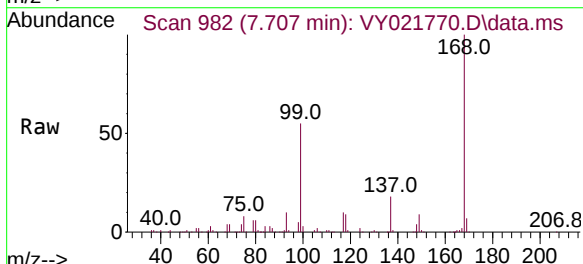
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-10

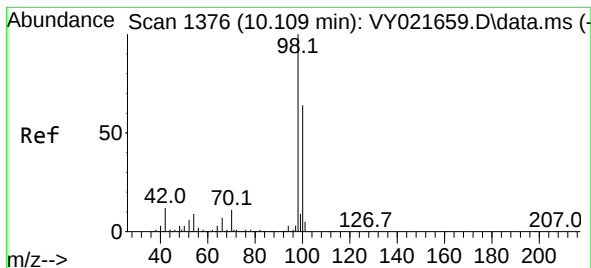
Tgt Ion: 75 Resp: 21255
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.0 50.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 4.792 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY021770.D
 Acq: 03 Apr 2025 13:56

Tgt Ion: 117 Resp: 27253
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.4#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 50.438 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

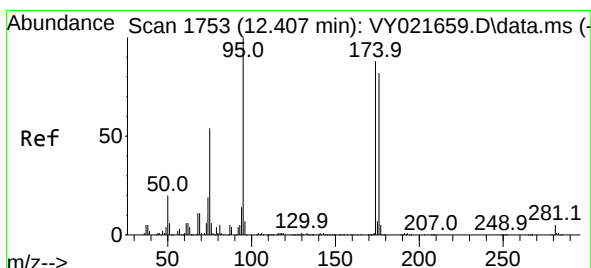
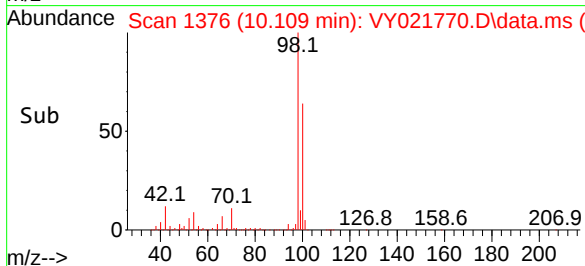
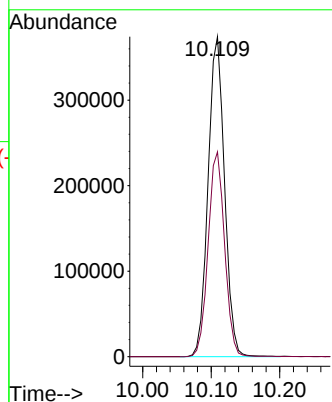
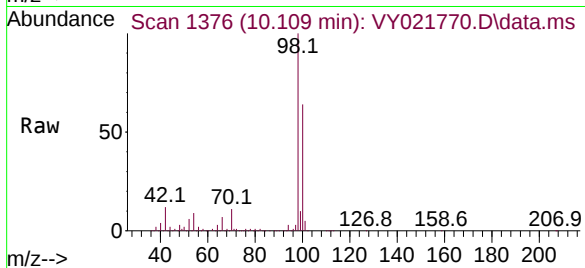
B-10

Tgt Ion: 98 Resp: 625514

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.265 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

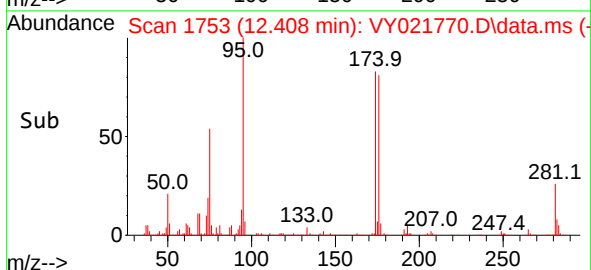
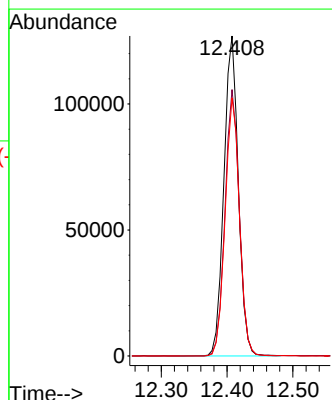
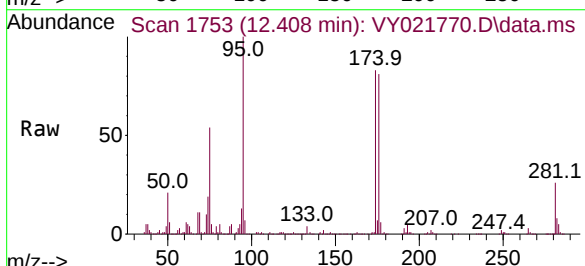
Tgt Ion: 95 Resp: 194072

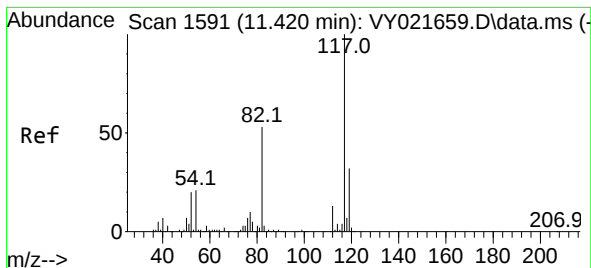
Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.8

176 80.4 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: VY021770.D

Acq: 03 Apr 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

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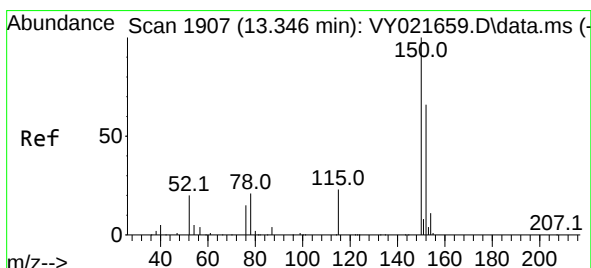
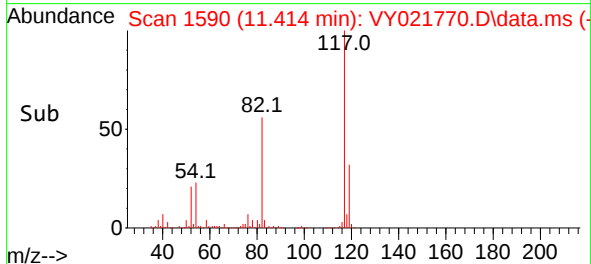
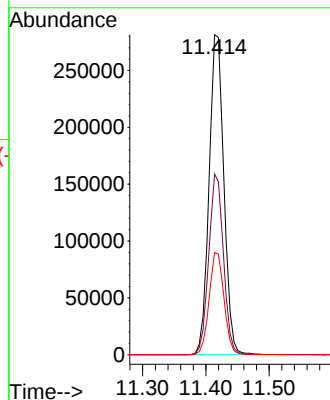
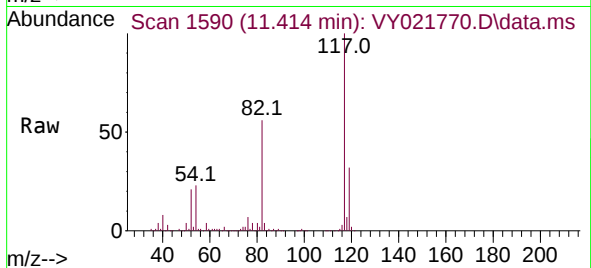
Tgt Ion:117 Resp: 458507

Ion Ratio Lower Upper

117 100

82 56.5 42.8 64.2

119 31.9 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: VY021770.D

Acq: 03 Apr 2025 13:56

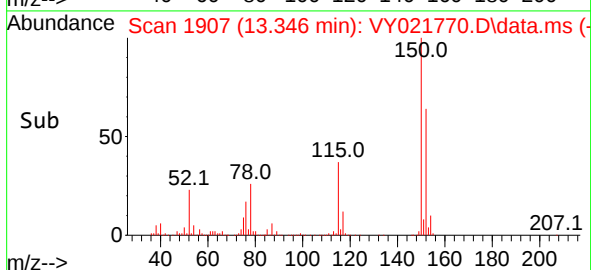
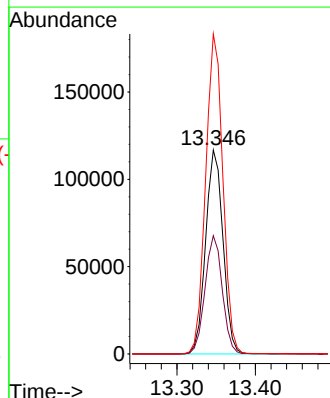
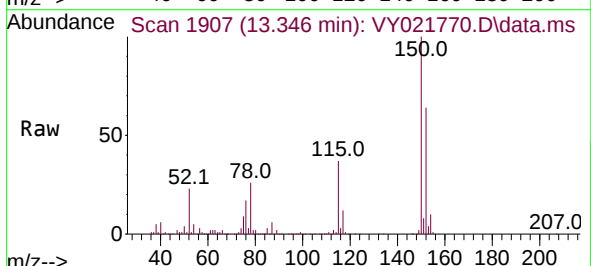
Tgt Ion:152 Resp: 179643

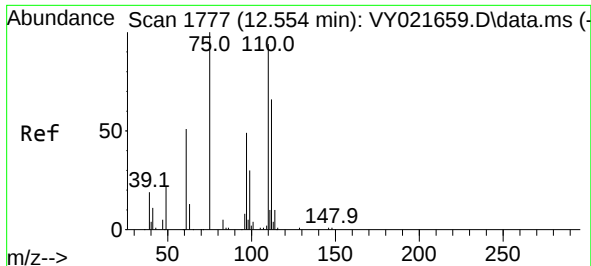
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 155.1 0.0 348.4

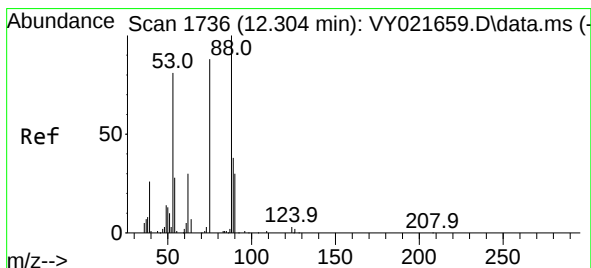
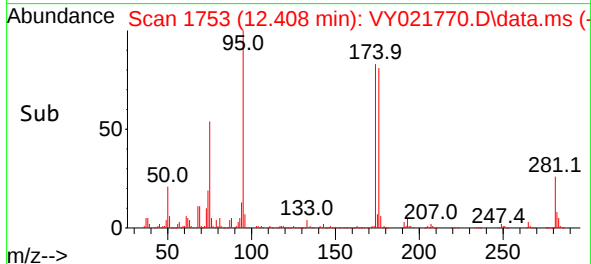
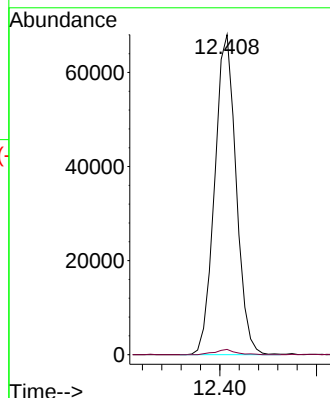
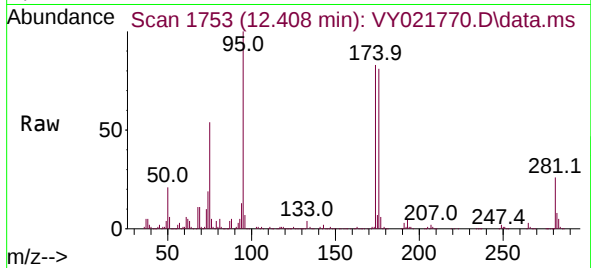




#76
1,2,3-Trichloropropane
Concen: 58.637 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 75 Resp: 104417
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.110 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion: 75 Resp: 104417
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.7 36.2 54.4#

