

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023123.D
 Acq On : 15 Aug 2025 14:24
 Operator : SY/MD
 Sample : Q2832-01
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S01

Quant Time: Aug 18 02:29:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

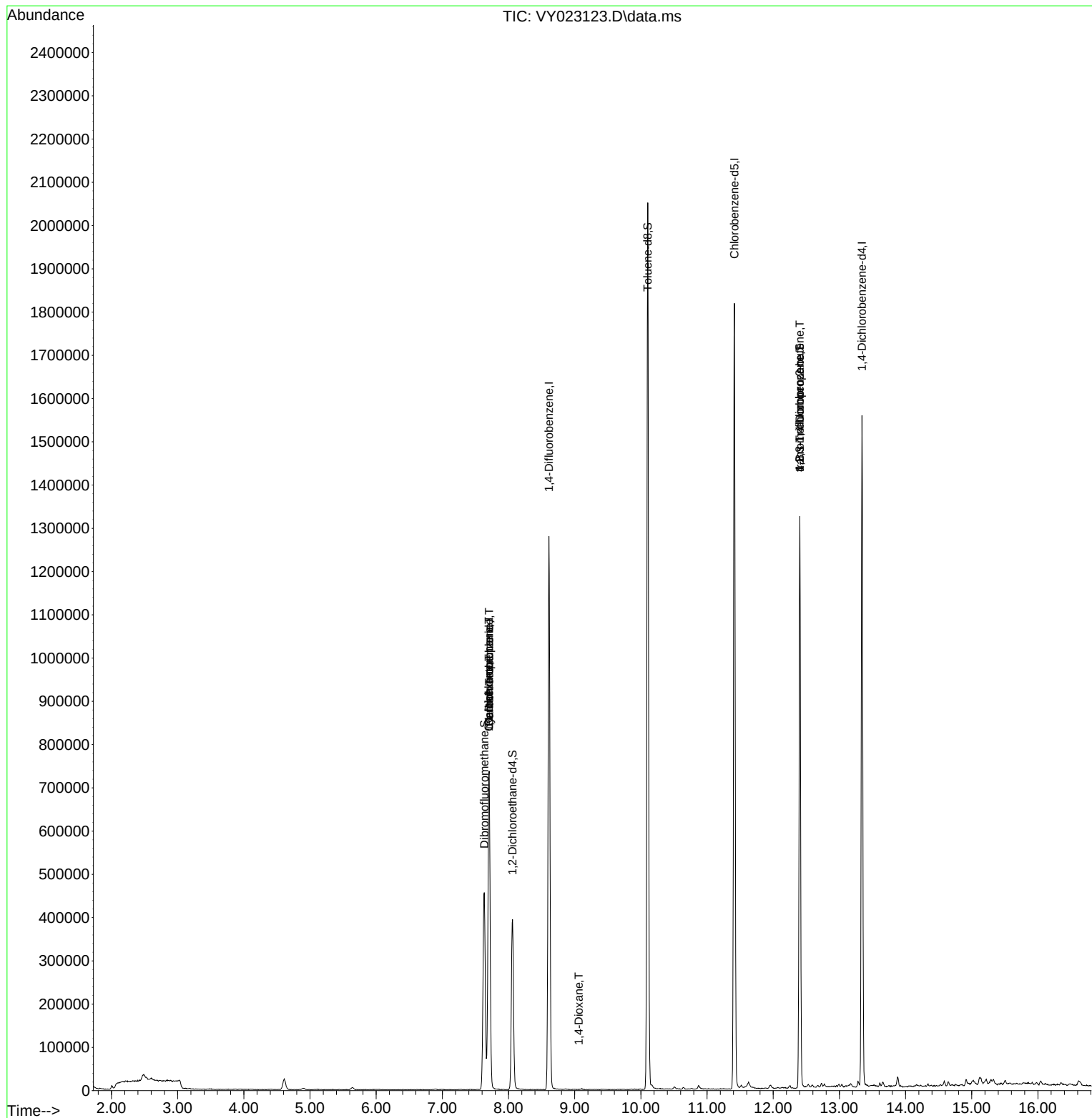
Internal Standards						
1) Pentafluorobenzene	7.707	168	579878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1082547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	969395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	391179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	314307	56.871	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.740%	
35) Dibromofluoromethane	7.634	113	330279	50.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.980%	
50) Toluene-d8	10.103	98	1310550	51.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.401	95	391369	48.091	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.180%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	12457	1.210	ug/l #	20
36) 1,1-Dichloropropene	7.701	75	45643	4.741	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57977	5.545	ug/l #	16
49) 1,4-Dioxane	9.061	88	52	1.132	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	209674	55.539	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	209674	134.441	ug/l #	14

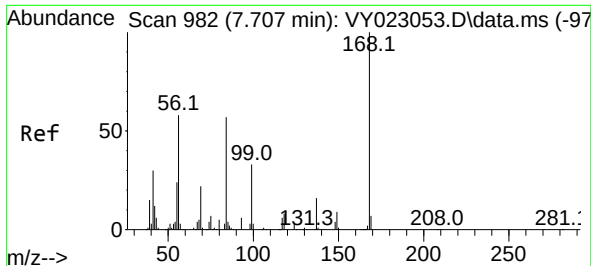
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TG-S01

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

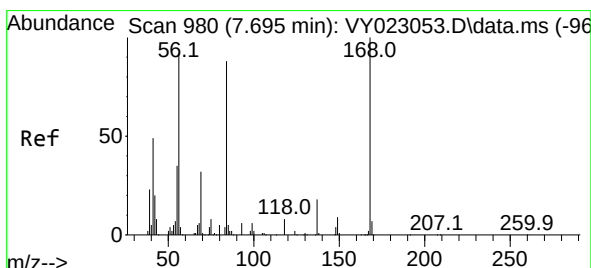
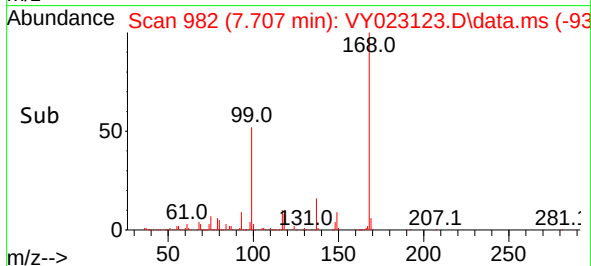
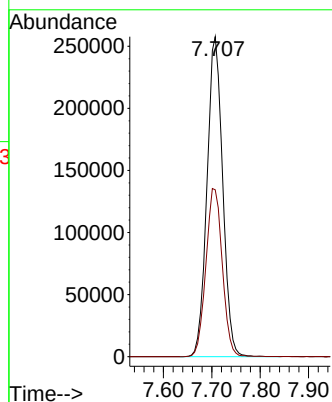
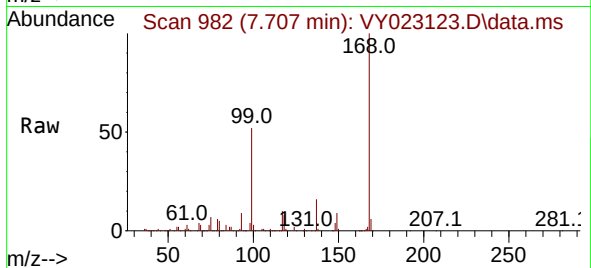




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023123.D
Acq: 15 Aug 2025 14:24

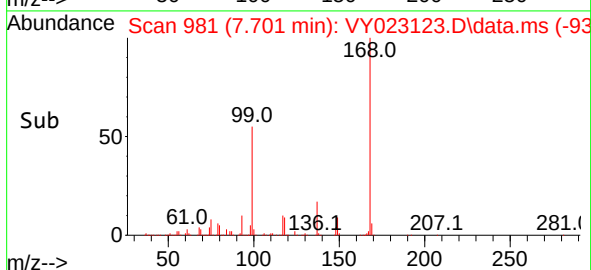
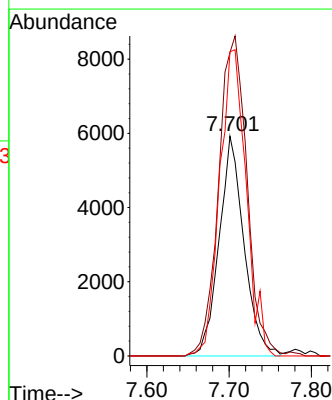
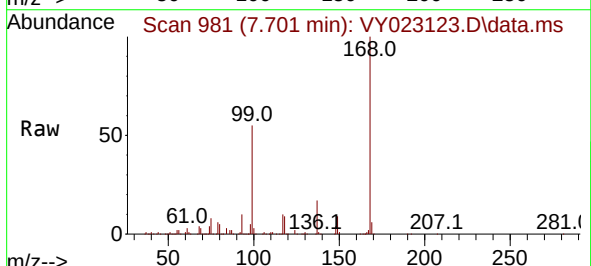
Instrument :
MSVOA_Y
ClientSampleId :
TG-S01

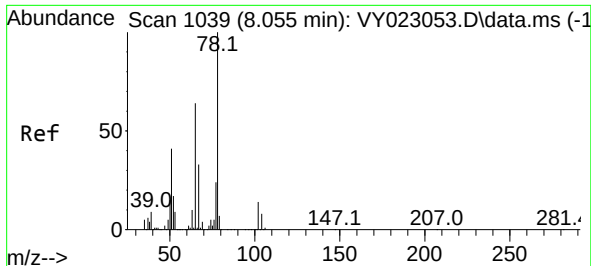
Tgt Ion:168 Resp: 579878
Ion Ratio Lower Upper
168 100
99 52.2 42.8 64.2



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023123.D
Acq: 15 Aug 2025 14:24

Tgt Ion: 56 Resp: 12457
Ion Ratio Lower Upper
56 100
69 138.1 28.2 42.2#
84 138.5 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.871 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

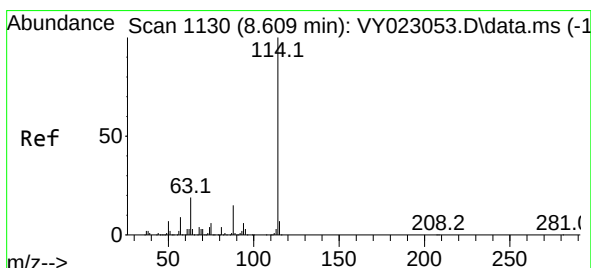
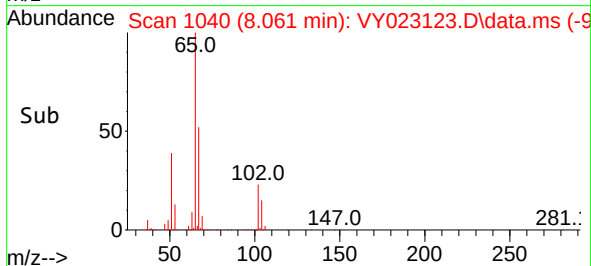
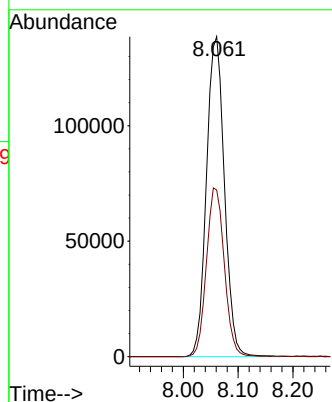
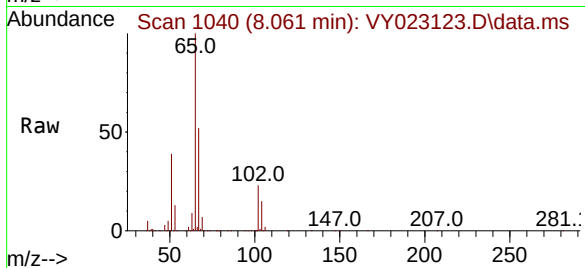
TG-S01

Tgt Ion: 65 Resp: 314307

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

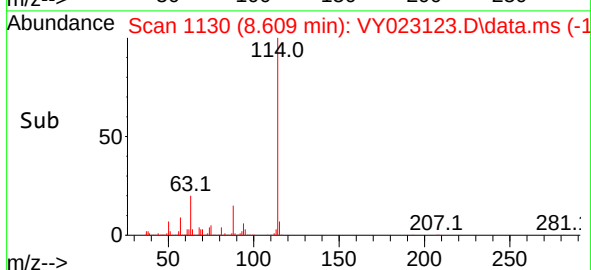
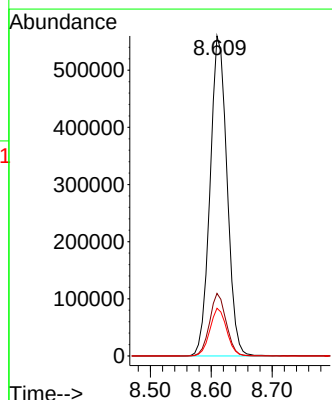
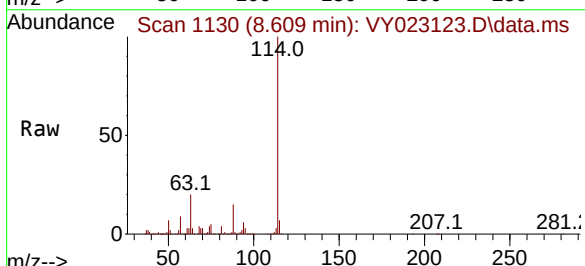
Tgt Ion:114 Resp: 1082547

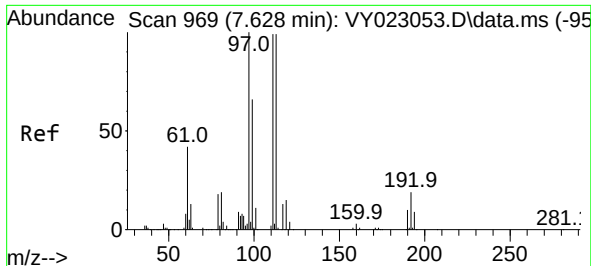
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.988 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

TG-S01

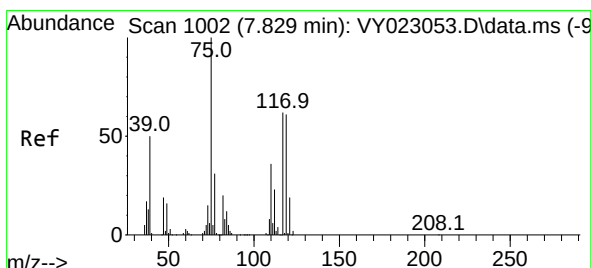
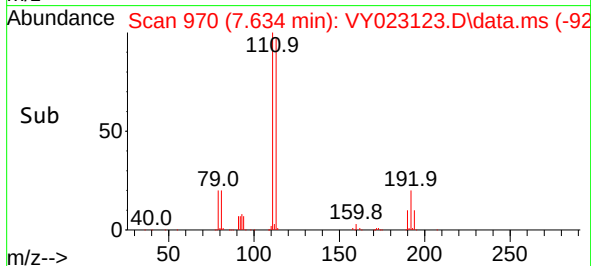
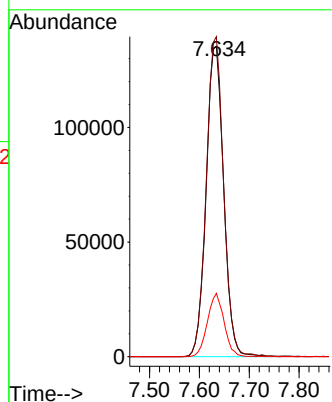
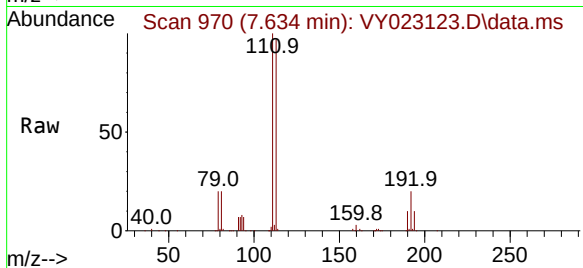
Tgt Ion:113 Resp: 330279

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 19.4 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.741 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

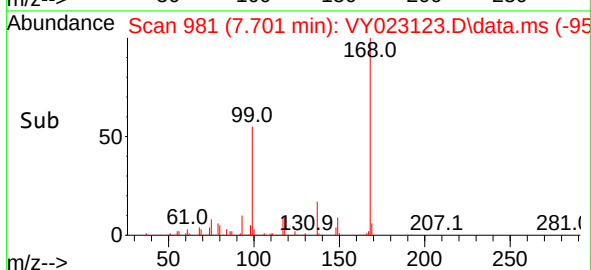
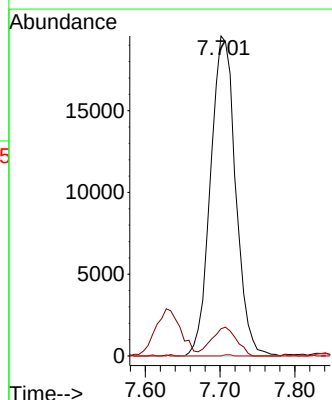
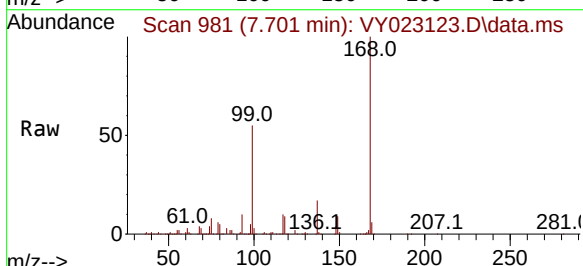
Tgt Ion: 75 Resp: 45643

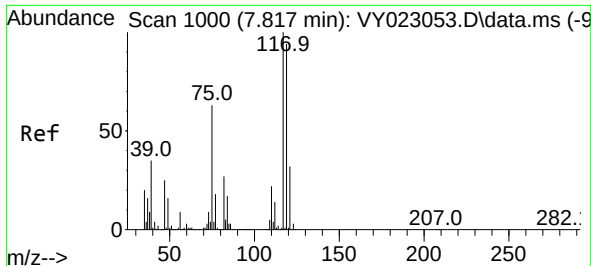
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.1 24.6 37.0#

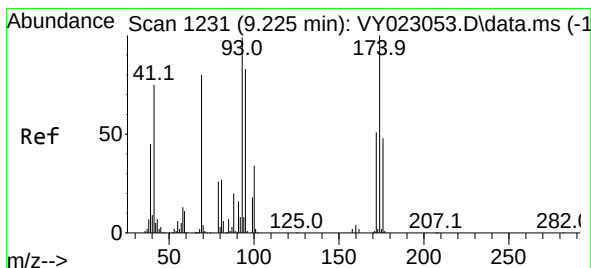
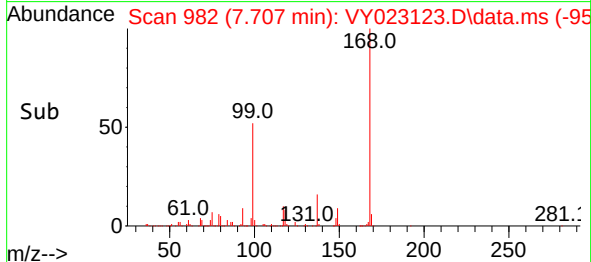
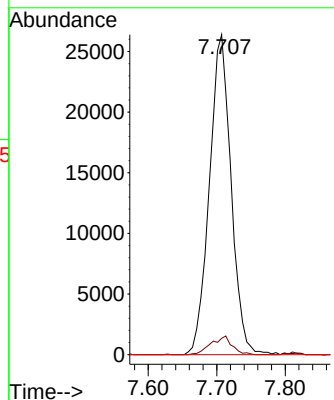
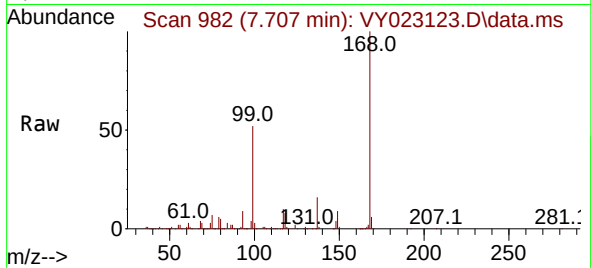




#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023123.D
Acq: 15 Aug 2025 14:24

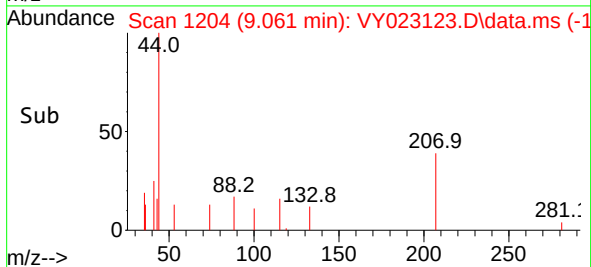
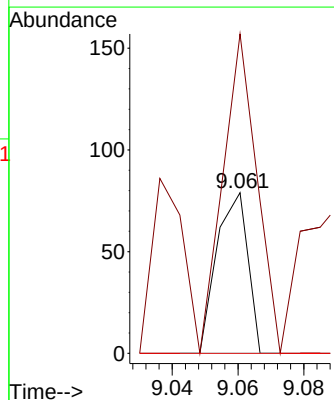
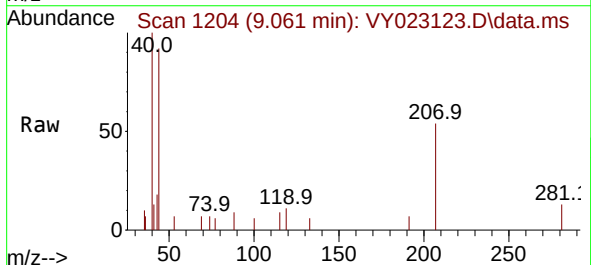
Instrument :
MSVOA_Y
ClientSampleId :
TG-S01

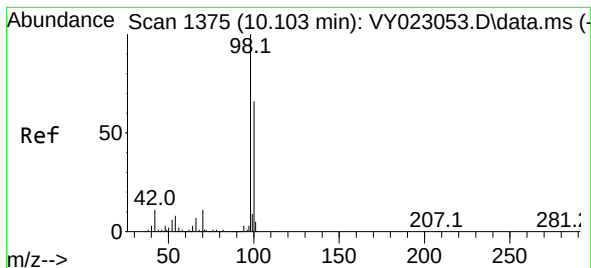
Tgt Ion:117 Resp: 57977
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.132 ug/l
RT: 9.061 min Scan# 1204
Delta R.T. -0.165 min
Lab File: VY023123.D
Acq: 15 Aug 2025 14:24

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 217.3 24.3 36.5#
58 0.0 55.4 83.0#





#50

Toluene-d8

Concen: 51.789 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

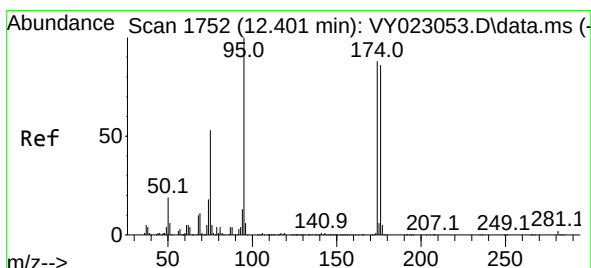
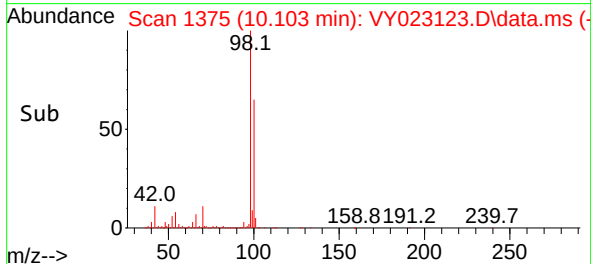
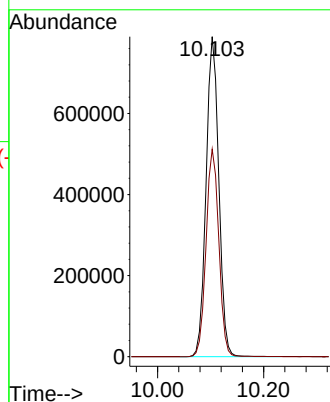
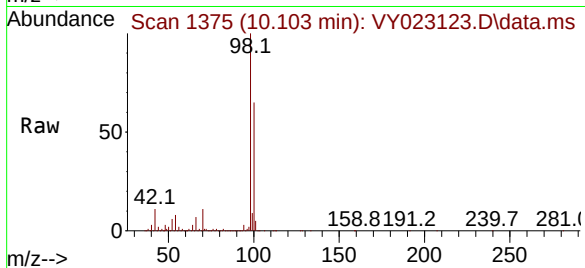
TG-S01

Tgt Ion: 98 Resp: 1310550

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.091 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

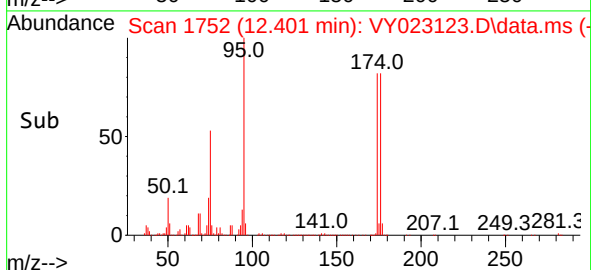
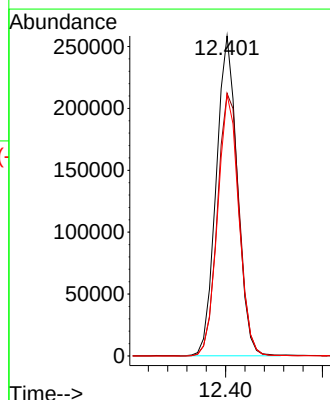
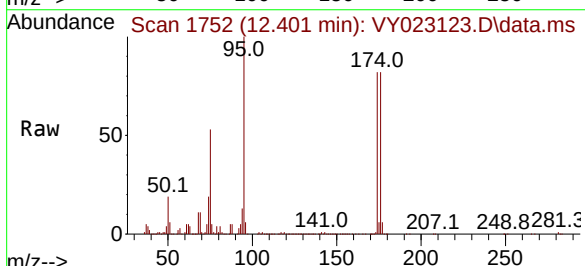
Tgt Ion: 95 Resp: 391369

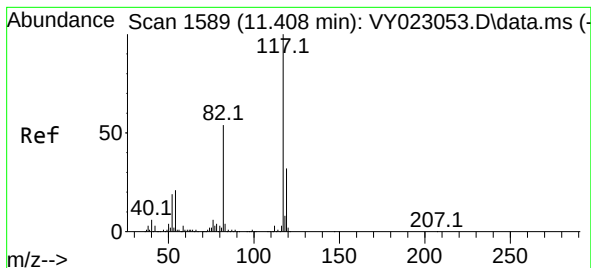
Ion Ratio Lower Upper

95 100

174 85.4 0.0 171.6

176 81.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

TG-S01

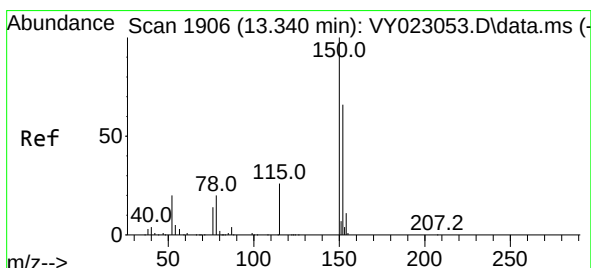
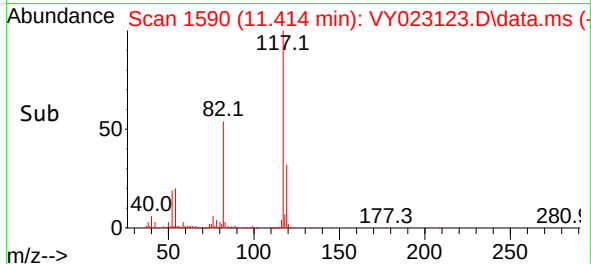
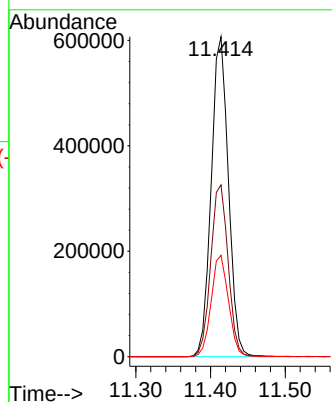
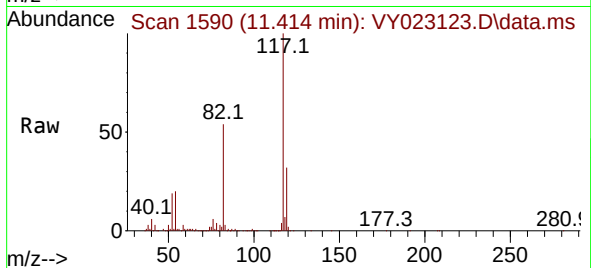
Tgt Ion:117 Resp: 969395

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023123.D

Acq: 15 Aug 2025 14:24

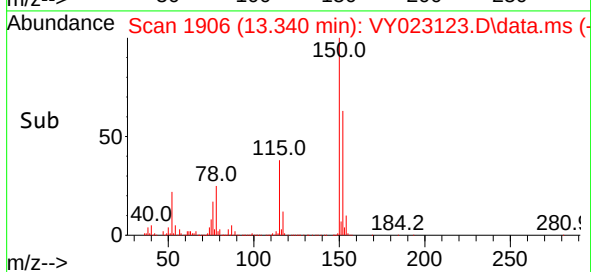
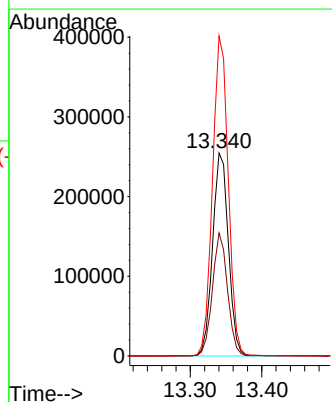
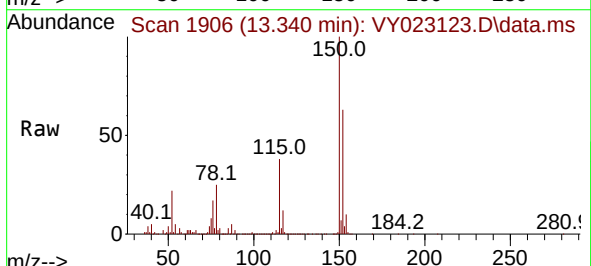
Tgt Ion:152 Resp: 391179

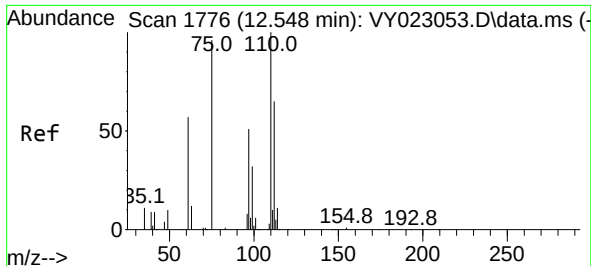
Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.6

150 156.6 0.0 348.0

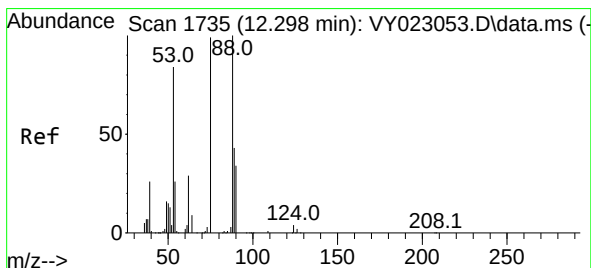
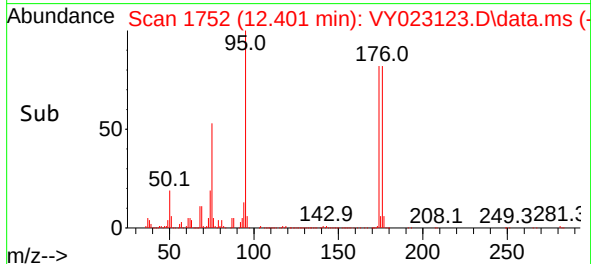
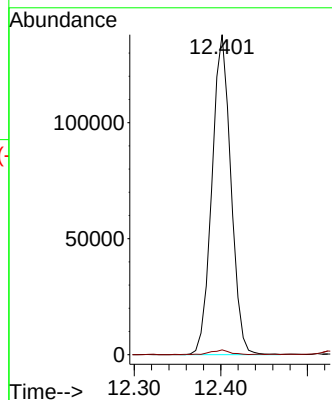
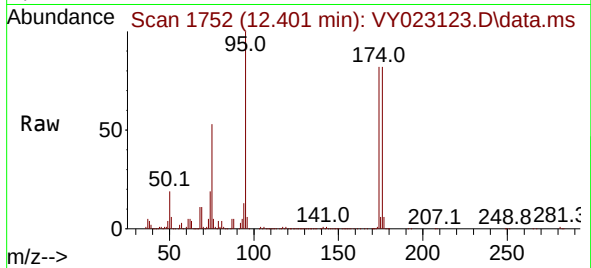




#76
1,2,3-Trichloropropane
Concen: 55.539 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023123.D
Acq: 15 Aug 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :
TG-S01

Tgt Ion: 75 Resp: 209674
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.441 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023123.D
Acq: 15 Aug 2025 14:24

Tgt Ion: 75 Resp: 209674
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

