

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023157.D
 Acq On : 19 Aug 2025 17:36
 Operator : SY/MD
 Sample : Q2897-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-08182025

Quant Time: Aug 20 01:33:33 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)

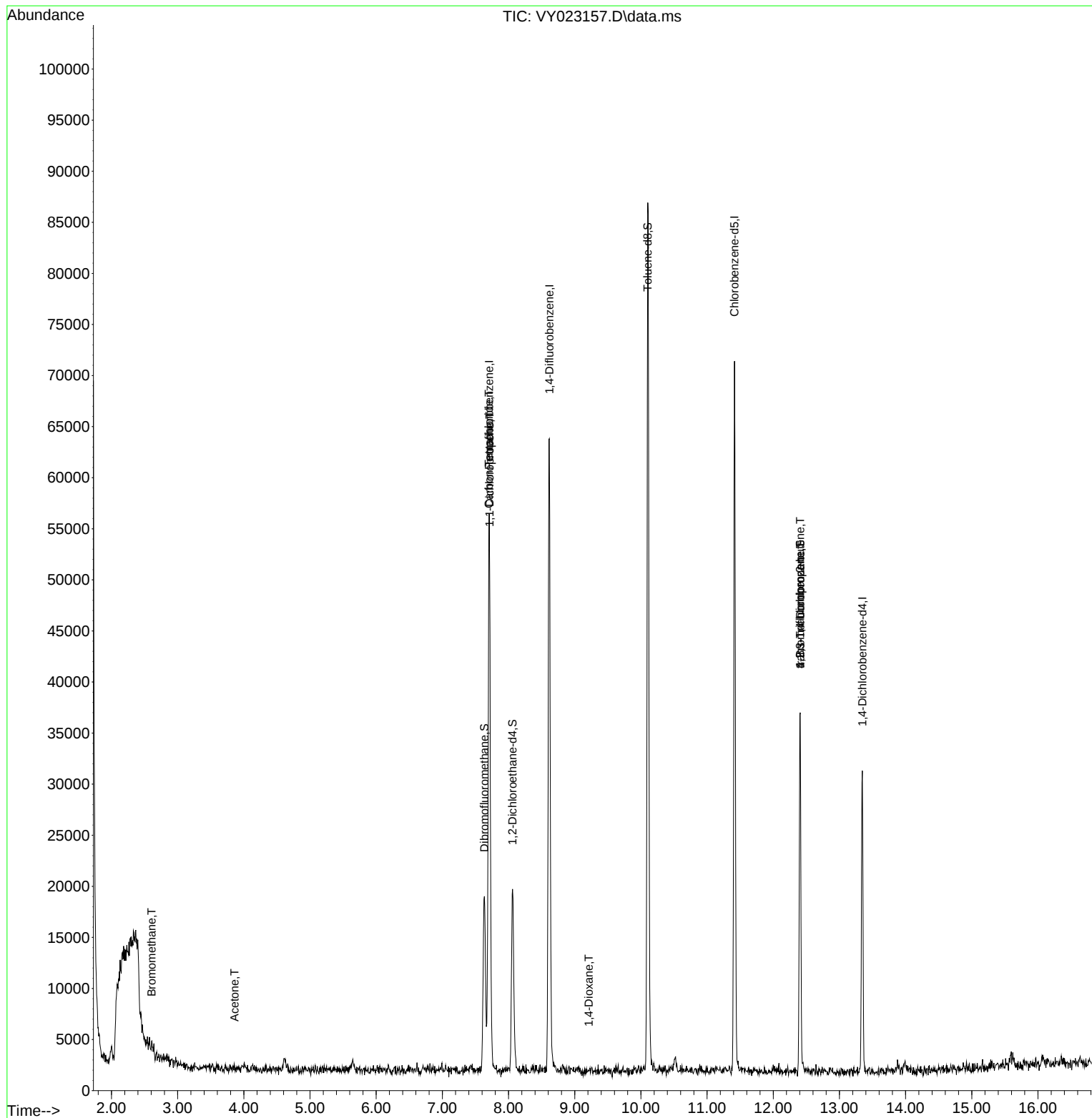
Internal Standards						
1) Pentafluorobenzene	7.707	168	43081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	55597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	37366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15291	37.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.480%
35) Dibromofluoromethane	7.634	113	12717	38.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.460%
50) Toluene-d8	10.103	98	59697	45.934	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.408	95	11259	26.938	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.880%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	539	1.025	ug/l	84
16) Acetone	3.860	43	367	4.126	ug/l #	41
20) Methylene Chloride	4.604	84	887	Below Cal	#	75
36) 1,1-Dichloropropene	7.713	75	3486	7.051	ug/l #	46
38) Carbon Tetrachloride	7.701	117	4652	8.663	ug/l #	16
49) 1,4-Dioxane	9.213	88	30	12.714	ug/l #	24
76) 1,2,3-Trichloropropane	12.408	75	5381	66.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	5381	161.501	ug/l #	14

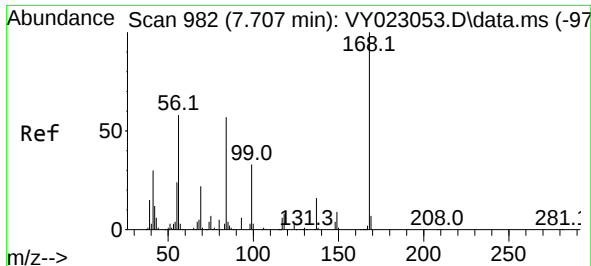
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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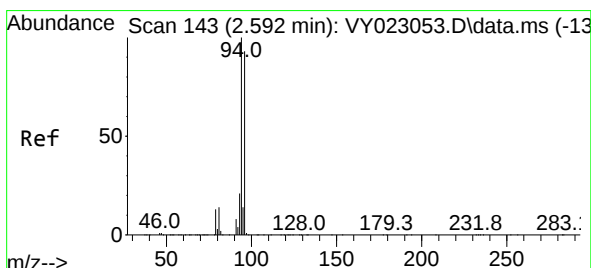
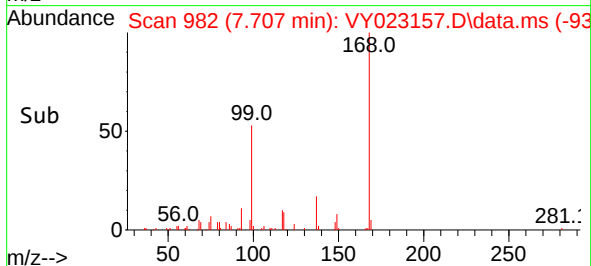
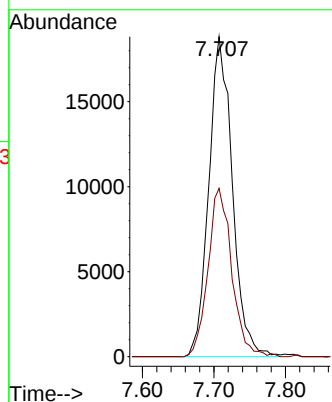
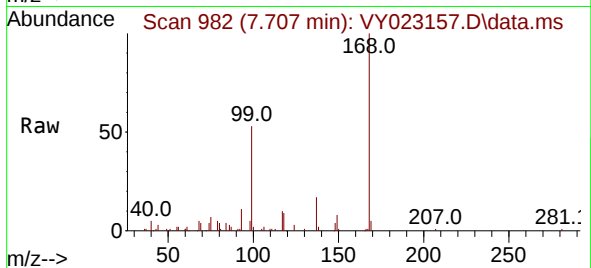




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

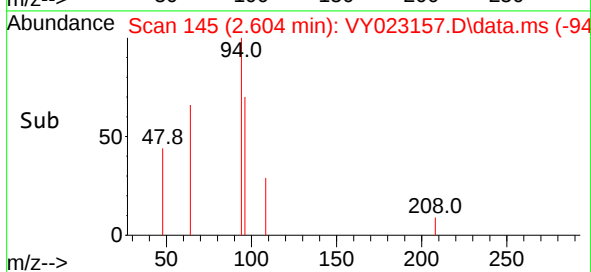
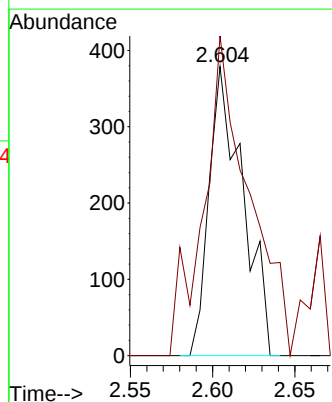
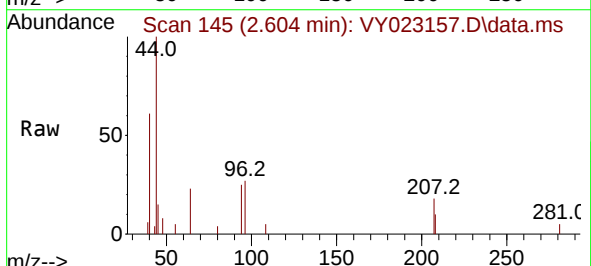
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-08182025

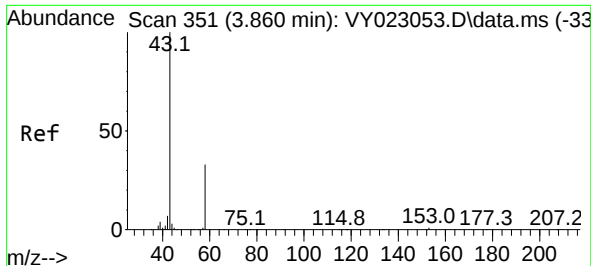
Tgt Ion:168 Resp: 43081
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#5
Bromomethane
Concen: 1.025 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

Tgt Ion: 94 Resp: 539
Ion Ratio Lower Upper
94 100
96 78.4 74.6 112.0

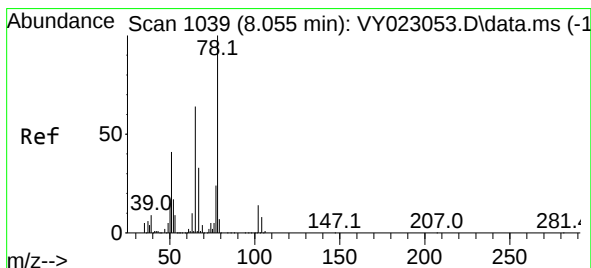
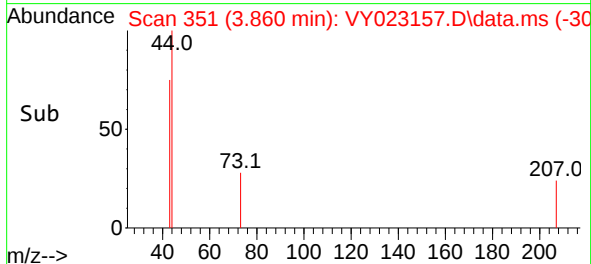
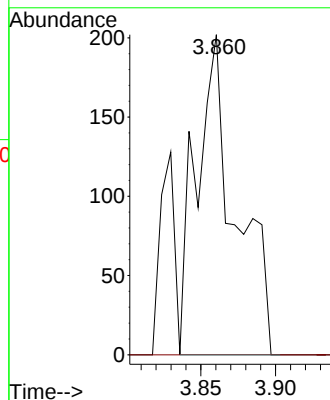
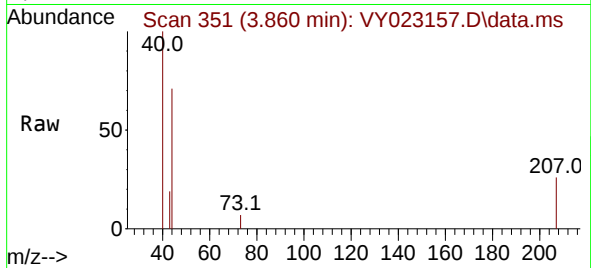




#16
Acetone
Concen: 4.126 ug/l
RT: 3.860 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

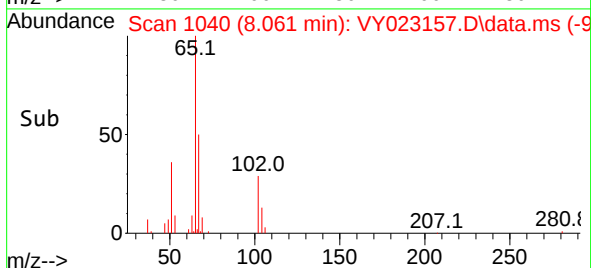
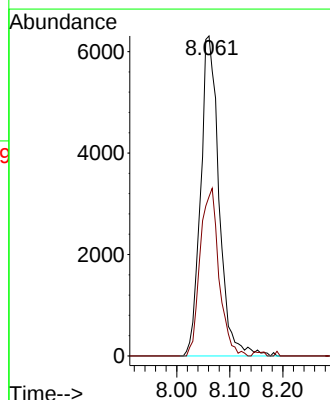
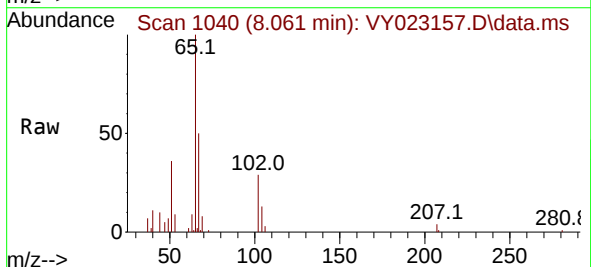
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-08182025

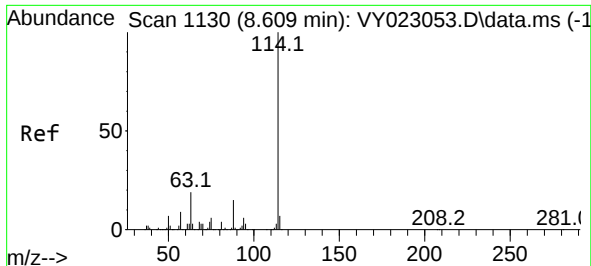
Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#



#33
1,2-Dichloroethane-d4
Concen: 37.241 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

Tgt Ion: 65 Resp: 15291
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

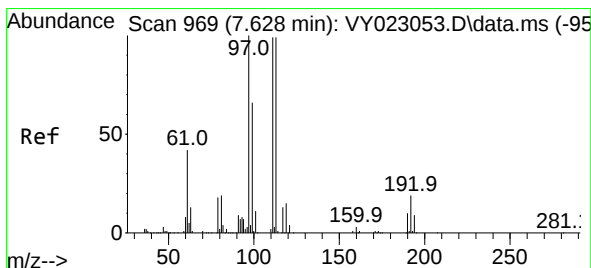
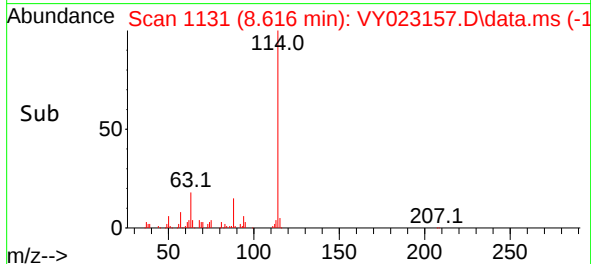
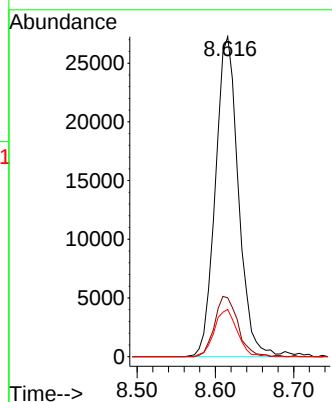
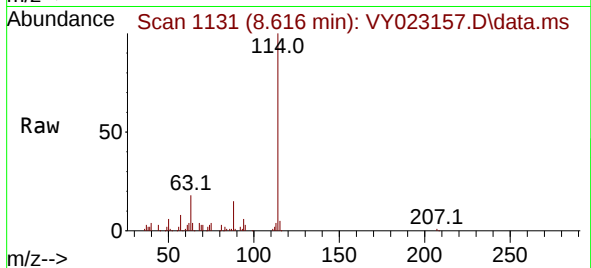




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

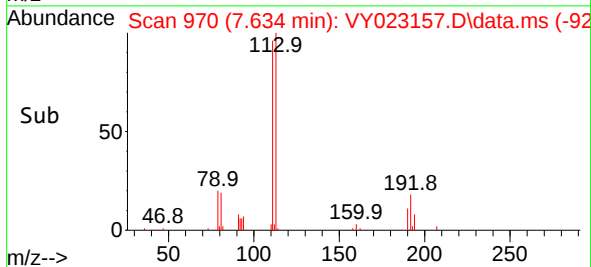
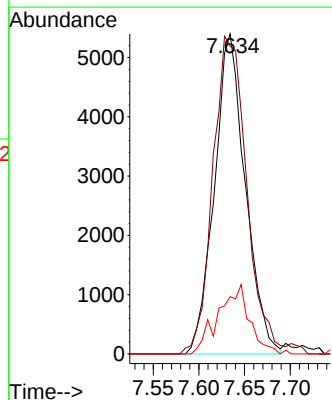
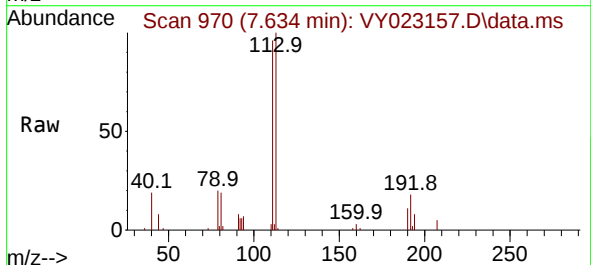
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-08182025

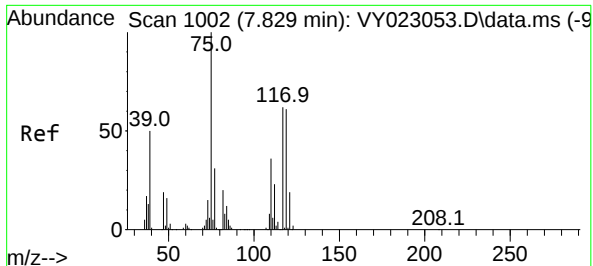
Tgt Ion:114	Resp:	55597
Ion Ratio	Lower	Upper
114	100	
63	18.4	0.0 38.4
88	14.7	0.0 30.0



#35
Dibromofluoromethane
Concen: 38.227 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

Tgt Ion:113	Resp:	12717
Ion Ratio	Lower	Upper
113	100	
111	108.1	81.1 121.7
192	21.9	16.2 24.4





#36

1,1-Dichloropropene

Concen: 7.051 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-08182025

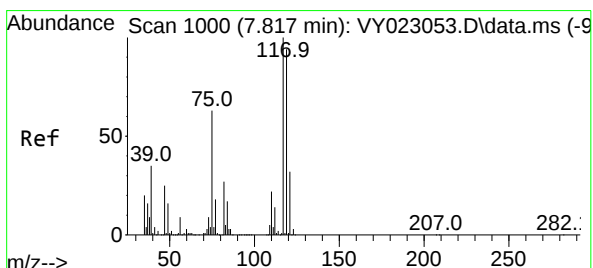
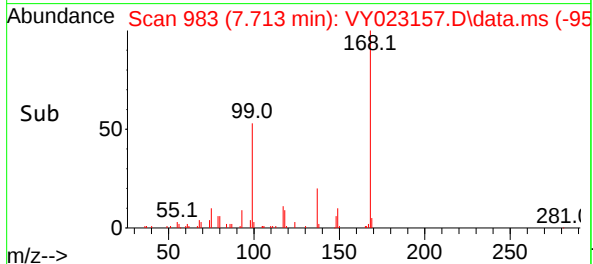
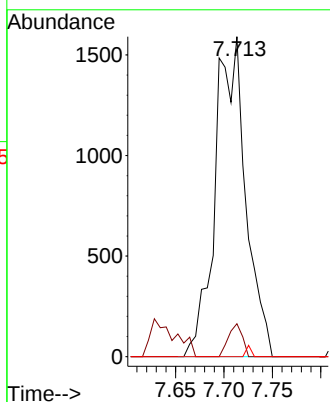
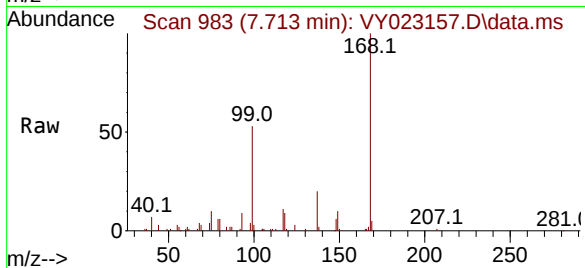
Tgt Ion: 75 Resp: 3486

Ion Ratio Lower Upper

75 100

110 4.7 18.1 54.4#

77 0.6 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 8.663 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

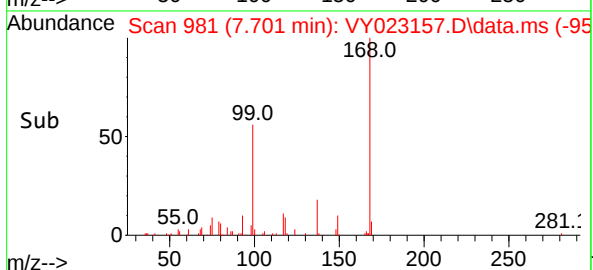
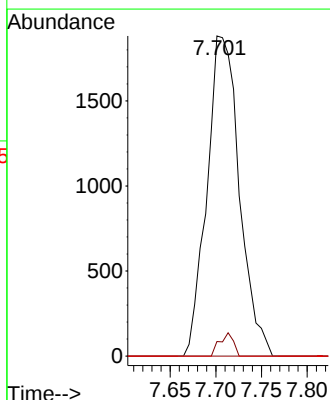
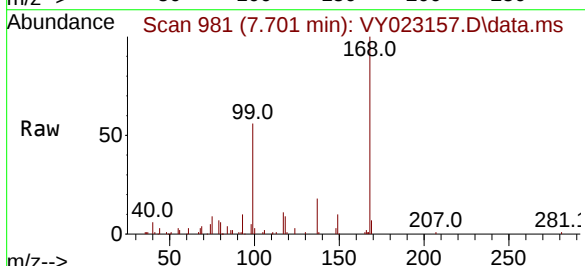
Tgt Ion: 117 Resp: 4652

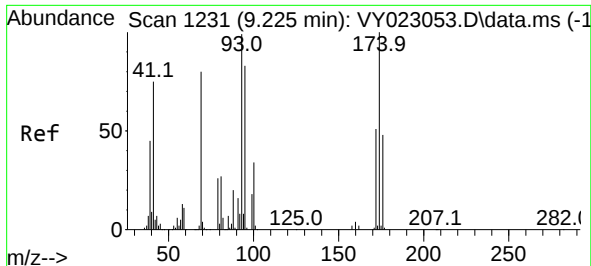
Ion Ratio Lower Upper

117 100

119 4.5 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 12.714 ug/l

RT: 9.213 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-08182025

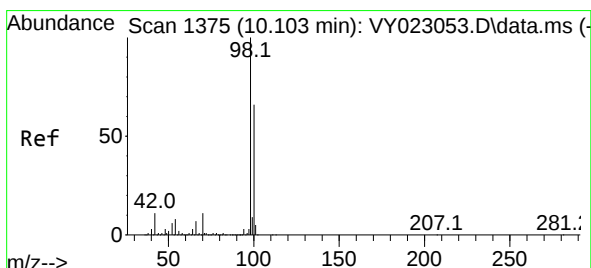
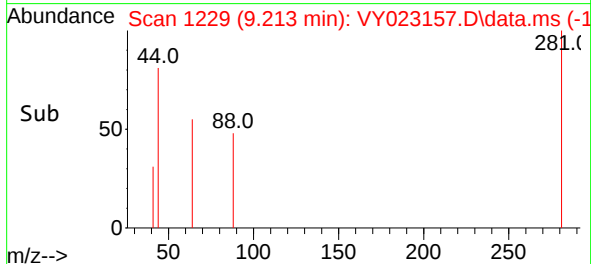
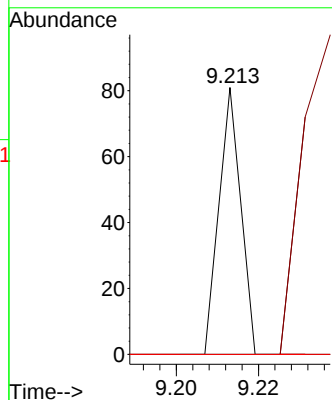
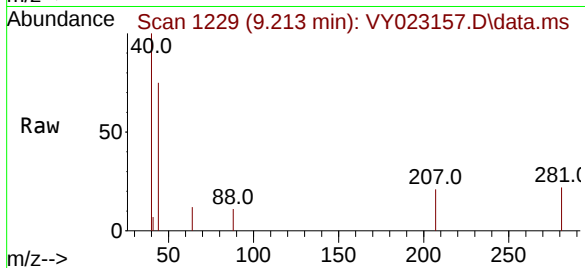
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 45.934 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023157.D

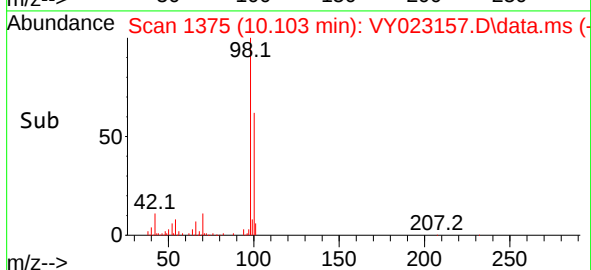
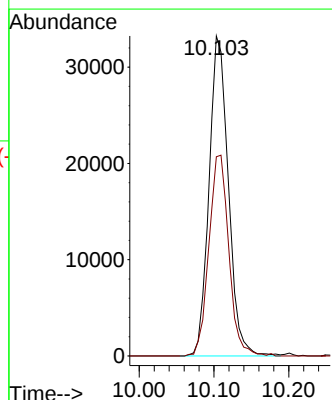
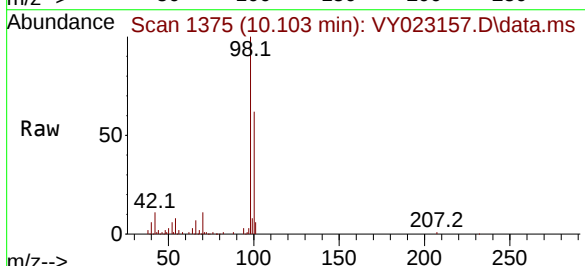
Acq: 19 Aug 2025 17:36

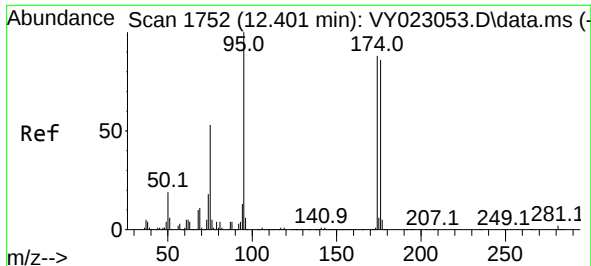
Tgt Ion: 98 Resp: 59697

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 26.938 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-08182025

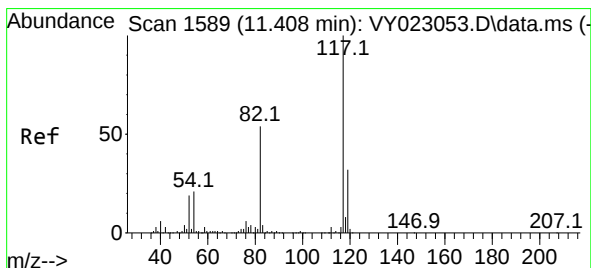
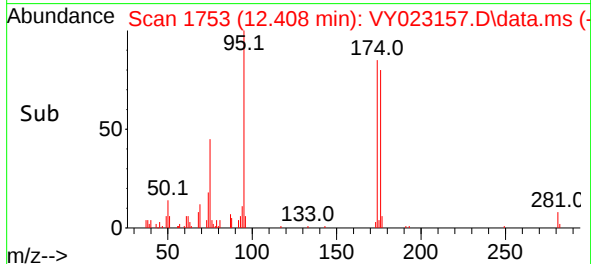
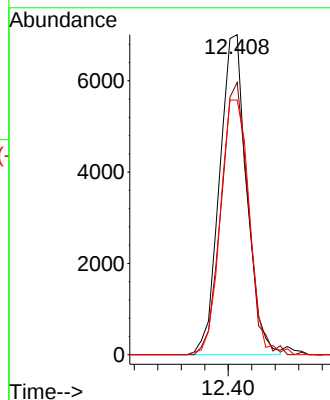
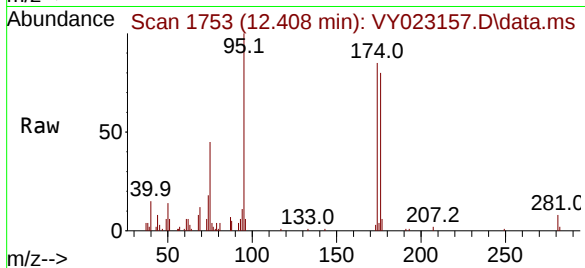
Tgt Ion: 95 Resp: 11259

Ion Ratio Lower Upper

95 100

174 84.9 0.0 171.6

176 84.6 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

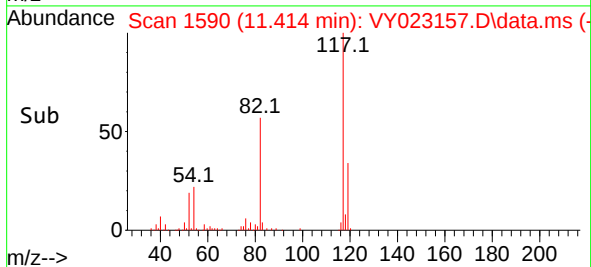
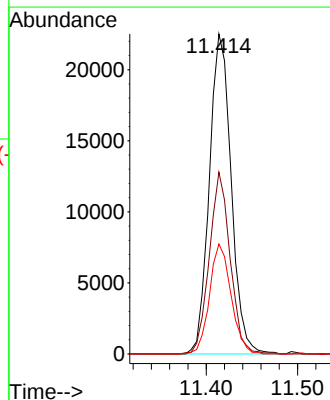
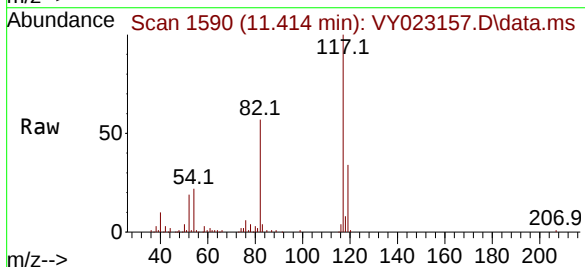
Tgt Ion: 117 Resp: 37366

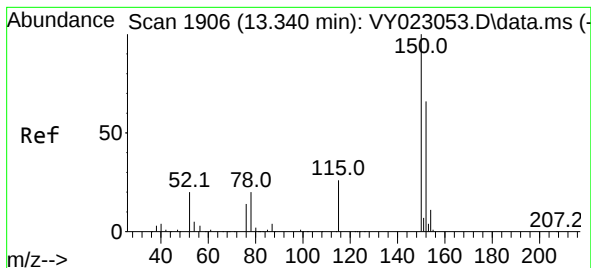
Ion Ratio Lower Upper

117 100

82 56.8 43.4 65.0

119 34.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-08182025

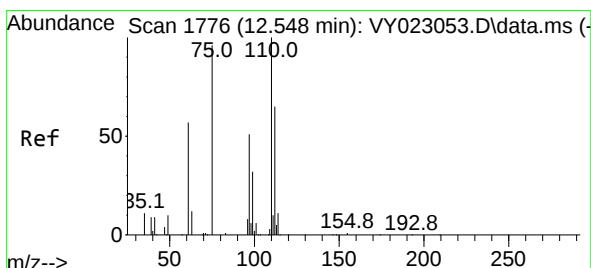
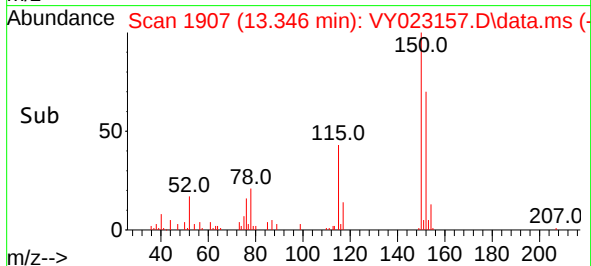
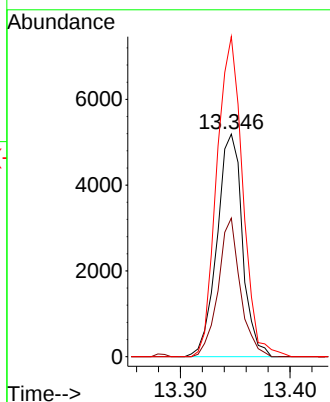
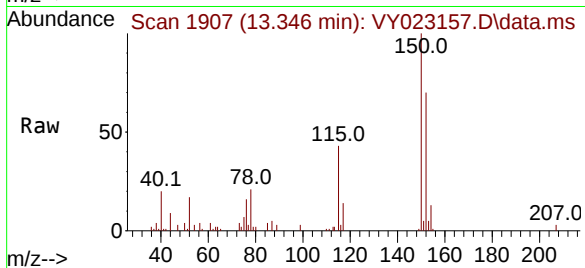
Tgt Ion:152 Resp: 8357

Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.6

150 146.5 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 66.717 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023157.D

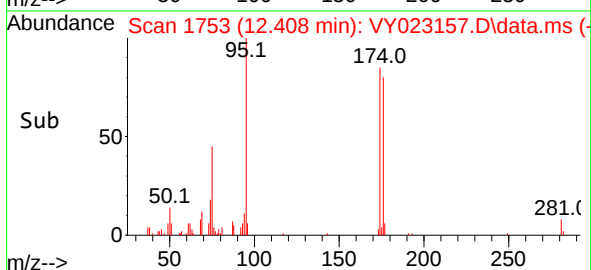
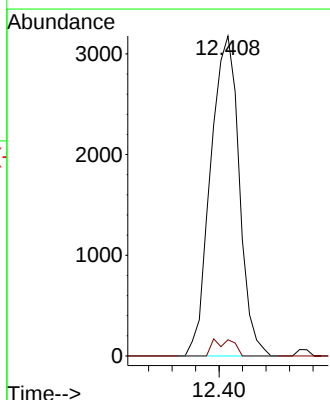
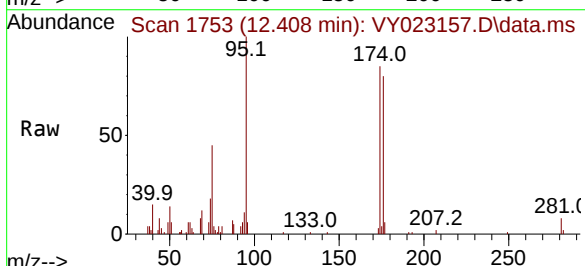
Acq: 19 Aug 2025 17:36

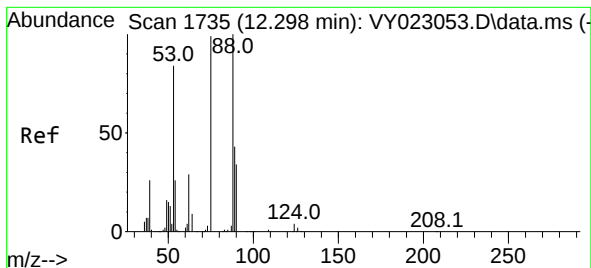
Tgt Ion: 75 Resp: 5381

Ion Ratio Lower Upper

75 100

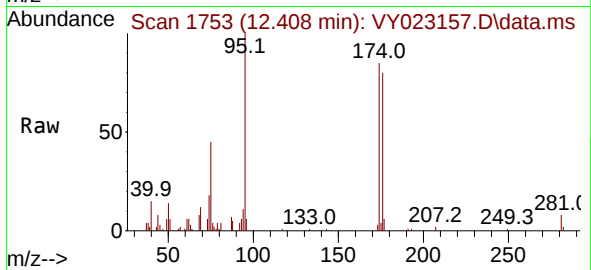
77 3.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.501 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023157.D
 Acq: 19 Aug 2025 17:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-08182025



Tgt Ion: 75 Resp: 5381
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.0 38.1 57.1#

