

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022924.D
 Acq On : 02 Jul 2025 19:50
 Operator : SY/MD
 Sample : Q2487-04
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(3)

Quant Time: Jul 03 02:28:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

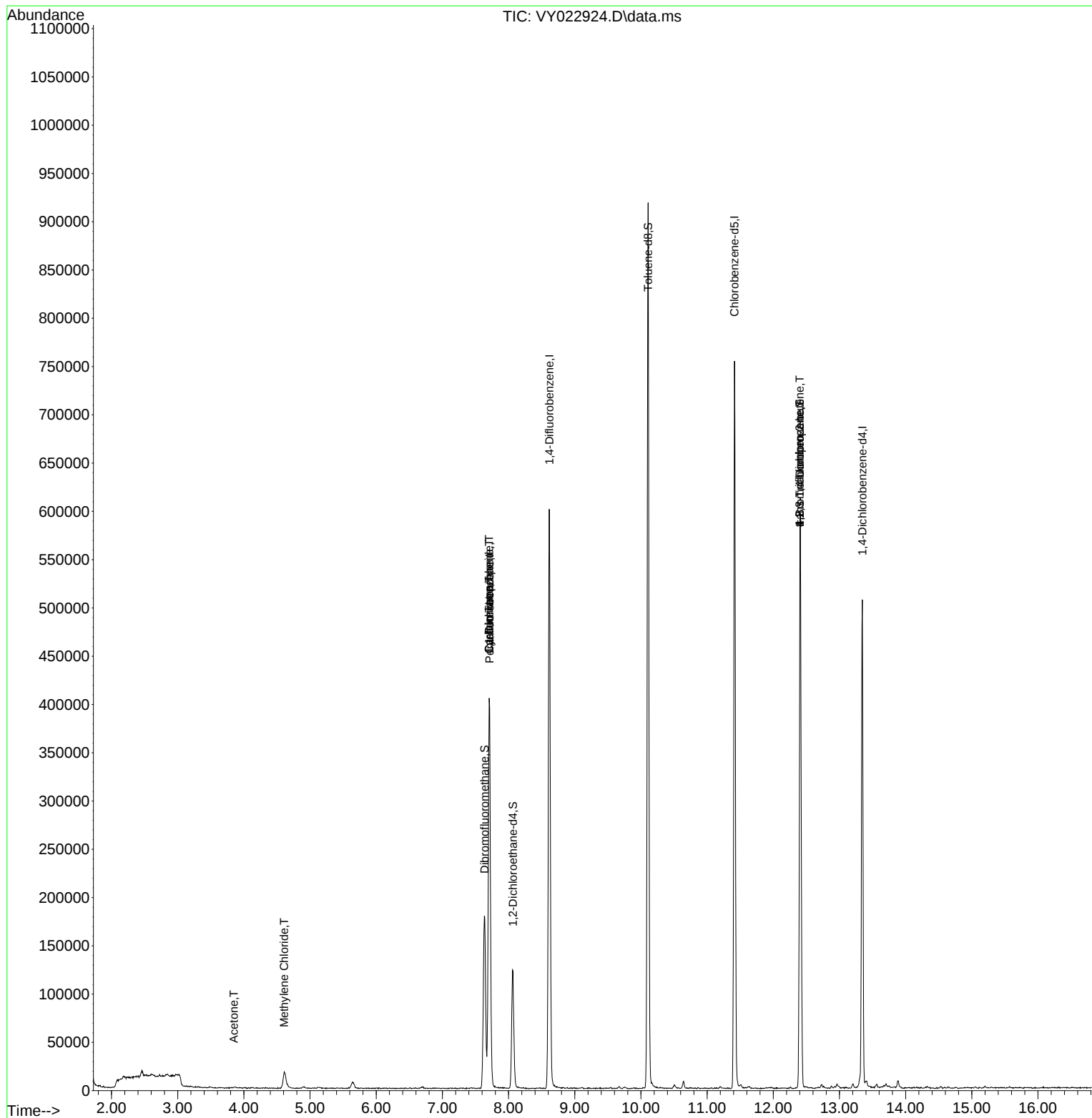
Internal Standards						
1) Pentafluorobenzene	7.713	168	301669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	508617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	387975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	97257	28.886	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	57.780%		
35) Dibromofluoromethane	7.640	113	130055	42.046	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.100%		
50) Toluene-d8	10.109	98	583070	47.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.000%		
62) 4-Bromofluorobenzene	12.401	95	141982	35.984	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.960%		
Target Compounds					Qvalue	
16) Acetone	3.848	43	2374	3.730	ug/l #	68
20) Methylene Chloride	4.610	84	12083	3.007	ug/l	92
31) Cyclohexane	7.707	56	8239	1.425	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	26891	5.736	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30683	6.202	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	82751	65.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	82751	164.939	ug/l #	11

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
Data File : VY022924.D
Acq On : 02 Jul 2025 19:50
Operator : SY/MD
Sample : Q2487-04
Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Quant Time: Jul 03 02:28:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

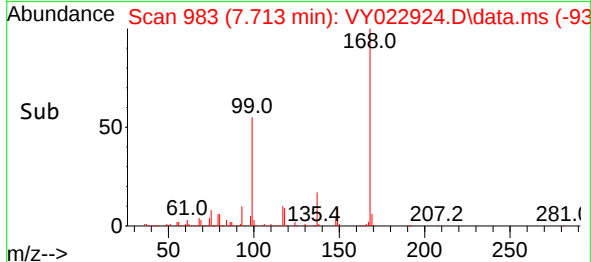
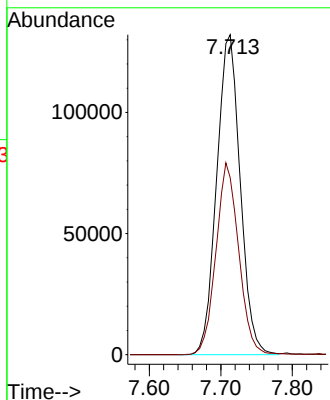
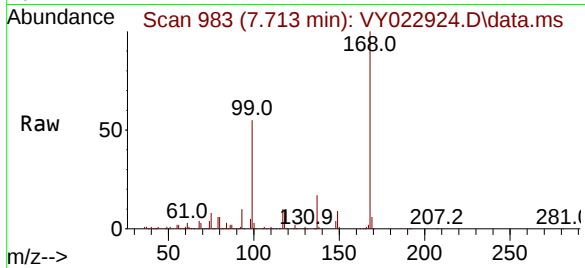




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

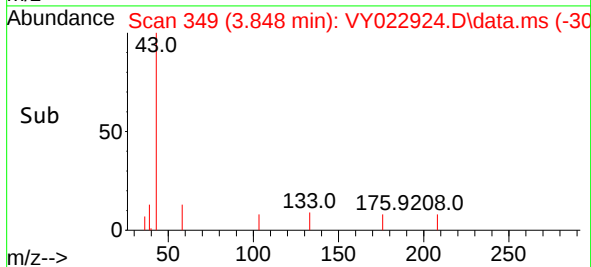
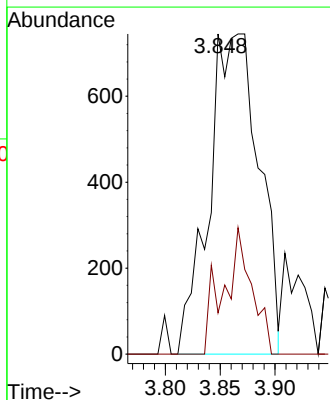
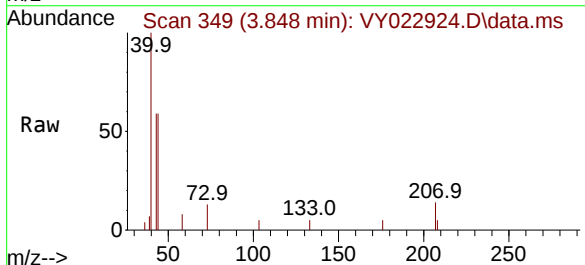
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

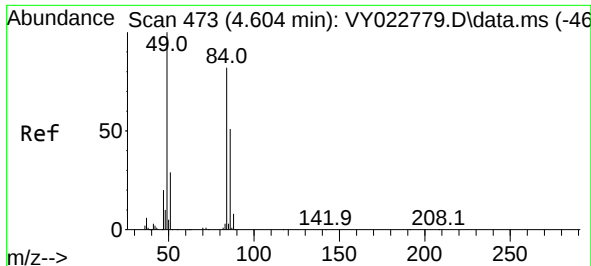
Tgt Ion:168 Resp: 301669
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#16
Acetone
Concen: 3.730 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.031 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 12.9 24.0 36.0#

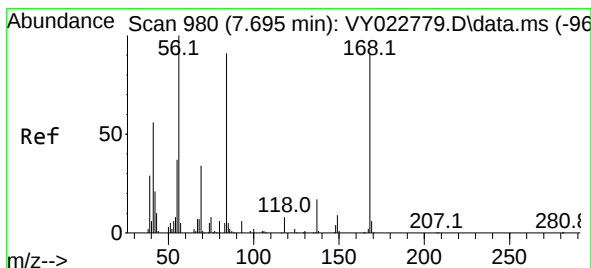
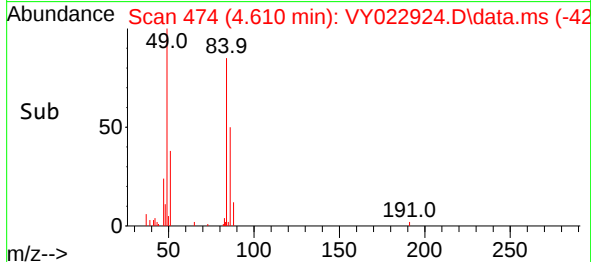
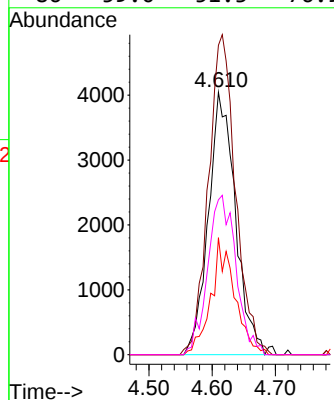
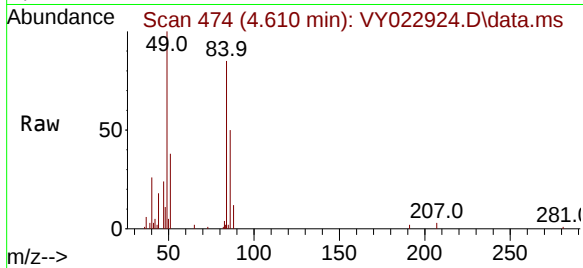




#20
Methylene Chloride
Concen: 3.007 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

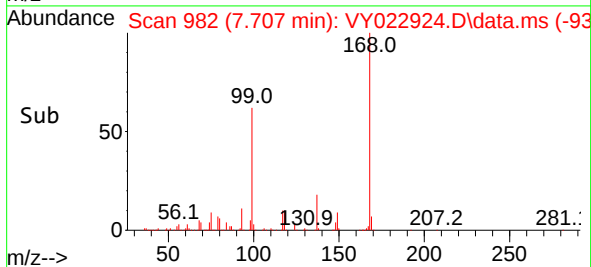
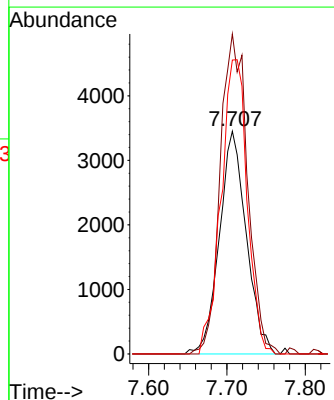
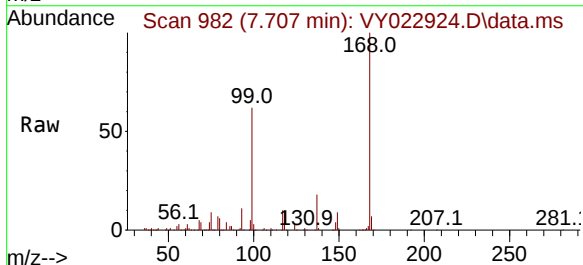
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

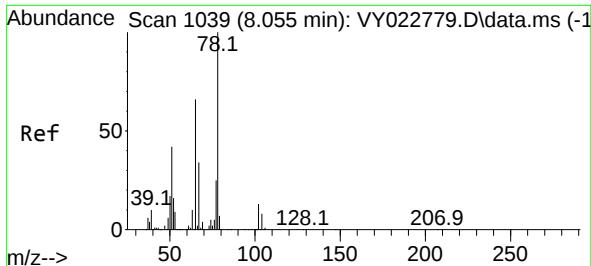
Tgt Ion:	84	Resp:	12083
Ion	Ratio	Lower	Upper
84	100		
49	117.9	101.9	152.9
51	44.5	29.8	44.8
86	59.0	51.3	76.9



#31
Cyclohexane
Concen: 1.425 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion:	56	Resp:	8239
Ion	Ratio	Lower	Upper
56	100		
69	143.7	27.0	40.6#
84	132.0	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 28.886 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

Instrument :

MSVOA_Y

ClientSampleId :

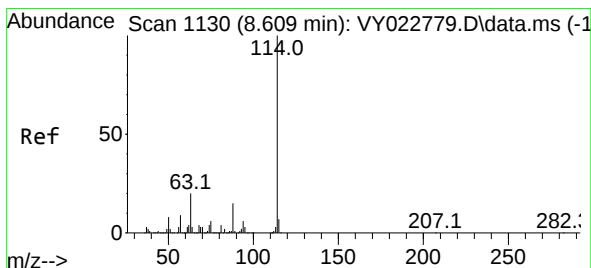
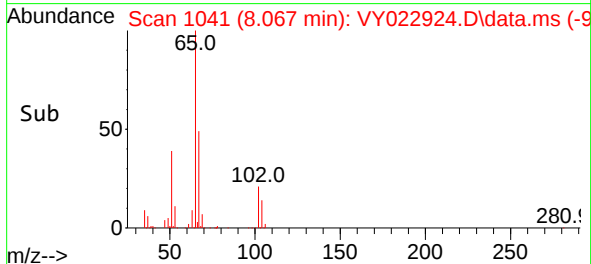
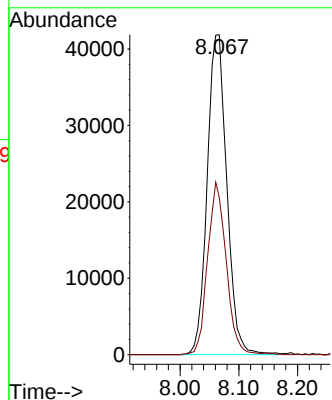
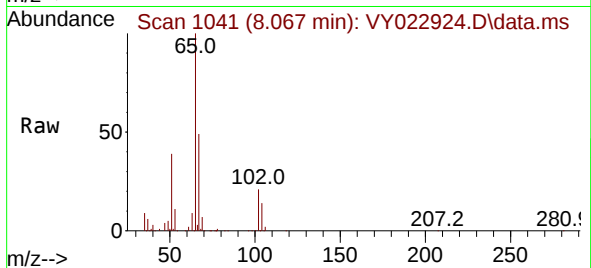
G3(3)

Tgt Ion: 65 Resp: 97257

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

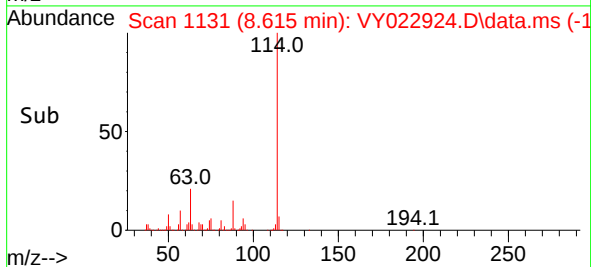
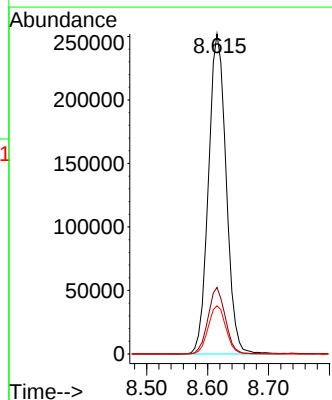
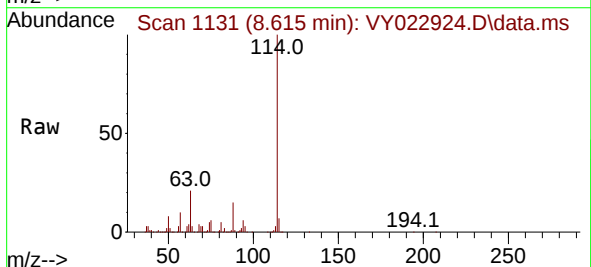
Tgt Ion:114 Resp: 508617

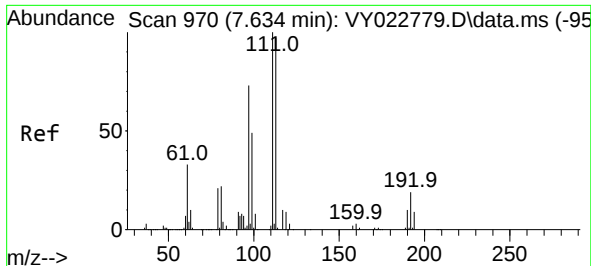
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.1 0.0 27.8

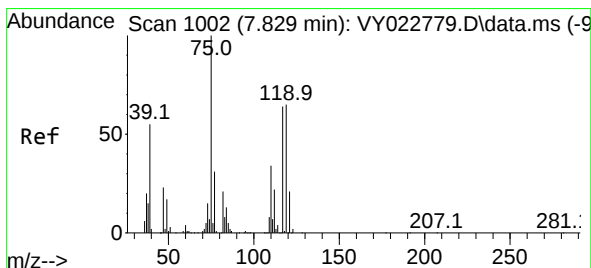
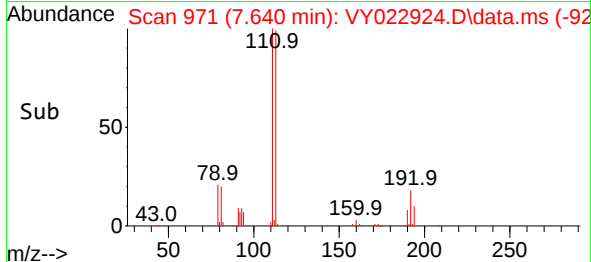
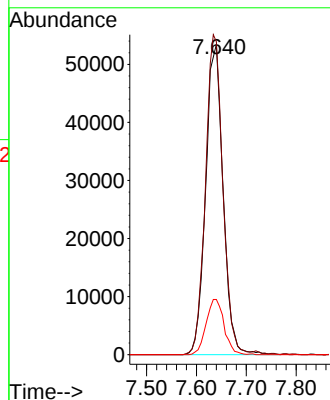
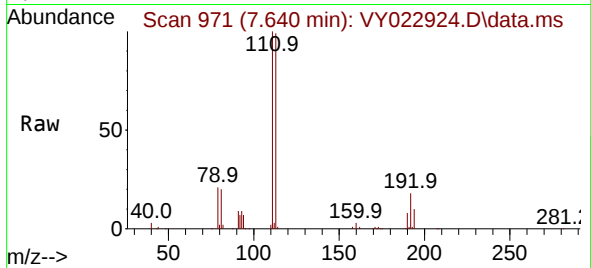




#35
Dibromofluoromethane
Concen: 42.046 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

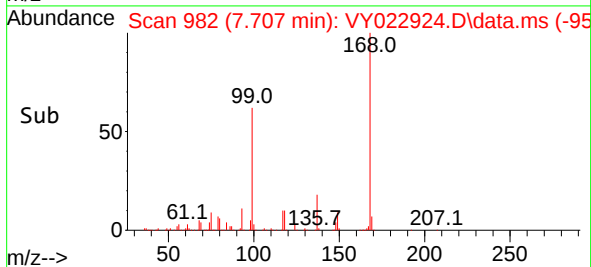
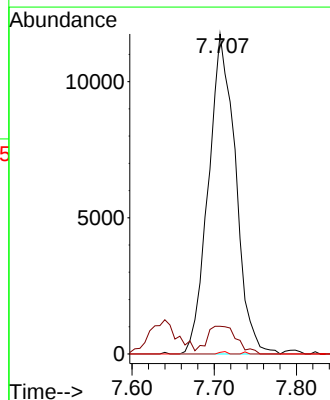
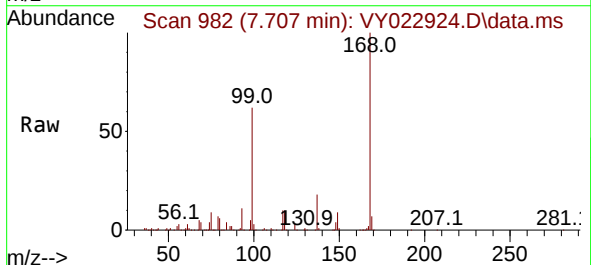
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

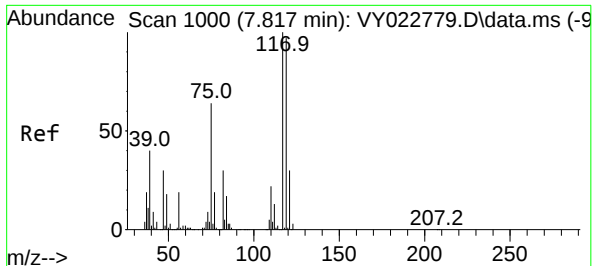
Tgt Ion:113 Resp: 130055
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 18.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.736 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion: 75 Resp: 26891
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.2 24.8 37.2#

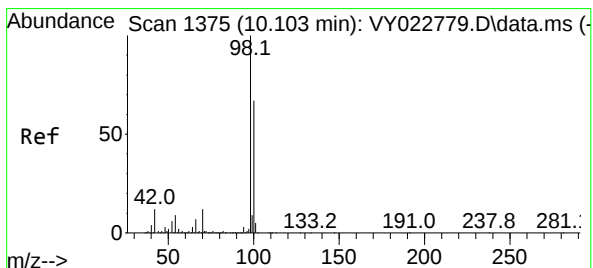
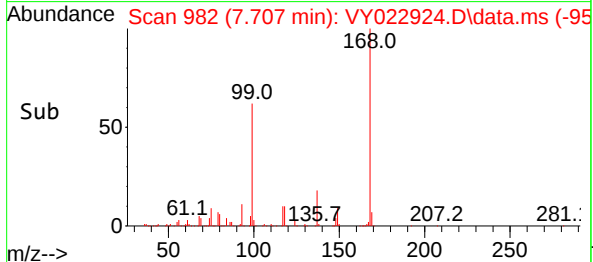
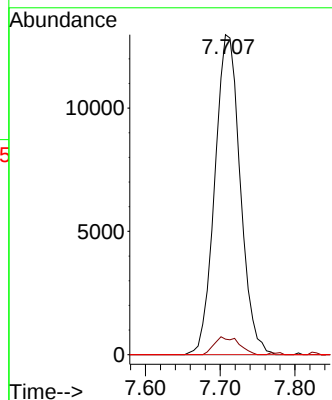
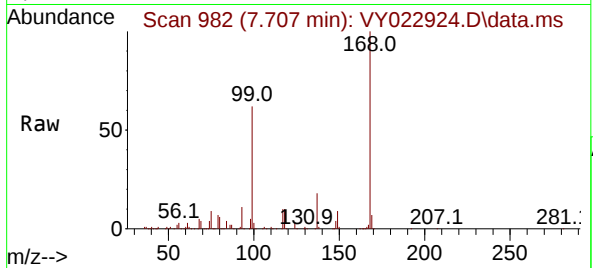




#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

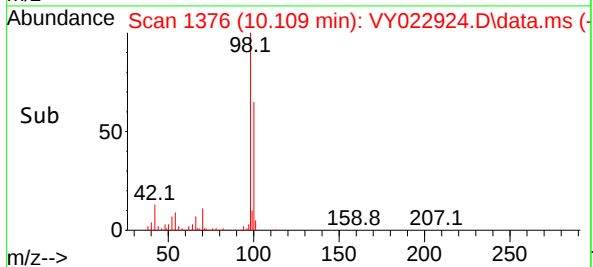
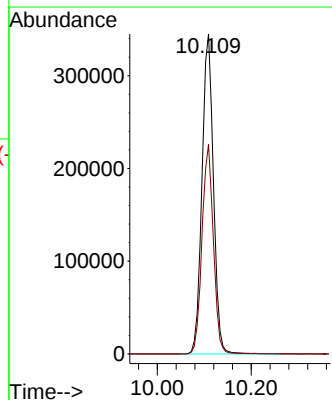
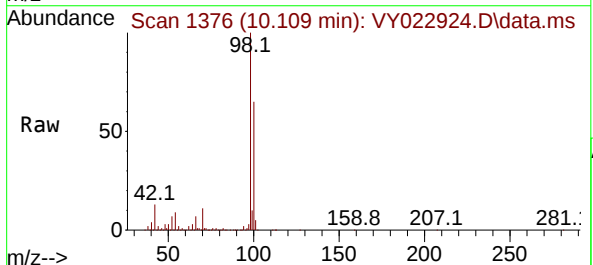
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

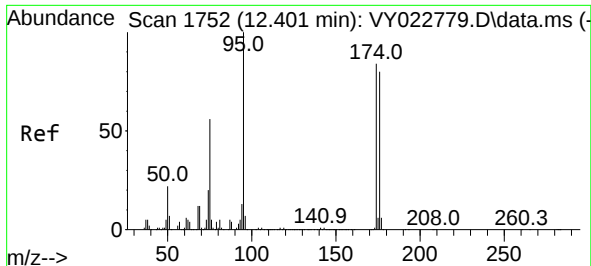
Tgt Ion:117 Resp: 30683
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 47.504 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion: 98 Resp: 583070
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 35.984 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

Instrument :

MSVOA_Y

ClientSampleId :

G3(3)

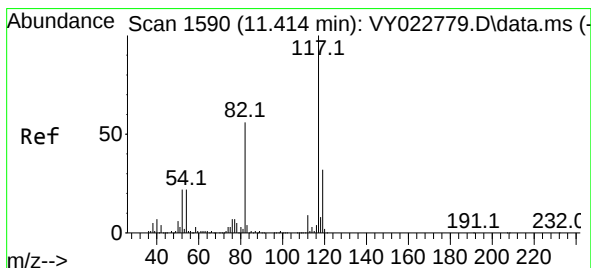
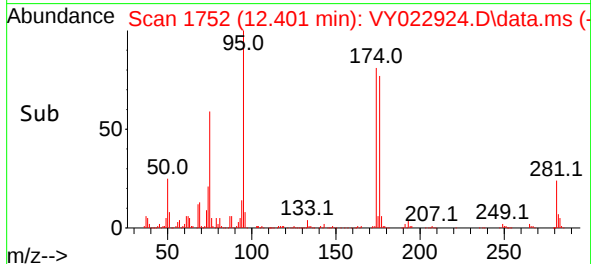
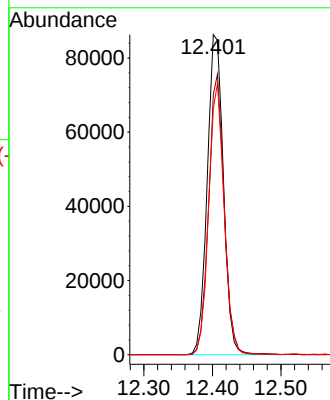
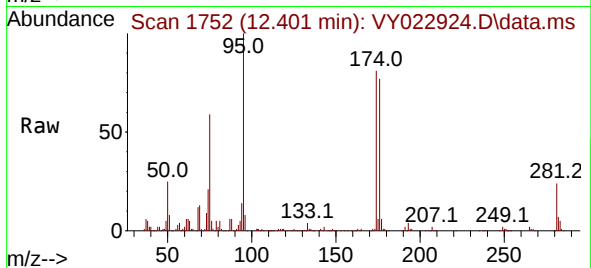
Tgt Ion: 95 Resp: 141982

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.0

176 80.8 0.0 166.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

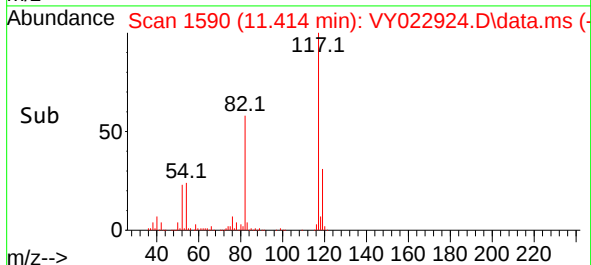
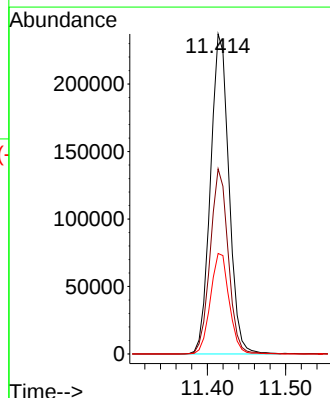
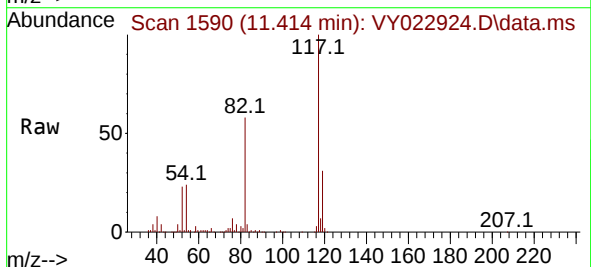
Tgt Ion: 117 Resp: 387975

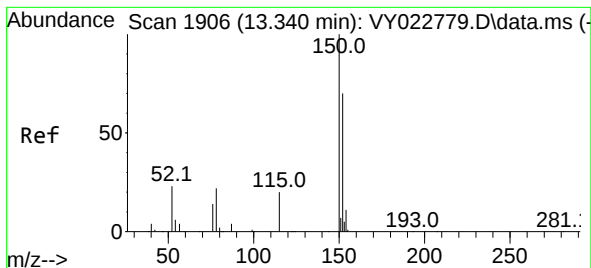
Ion Ratio Lower Upper

117 100

82 57.8 44.6 66.8

119 31.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

Instrument :

MSVOA_Y

ClientSampleId :

G3(3)

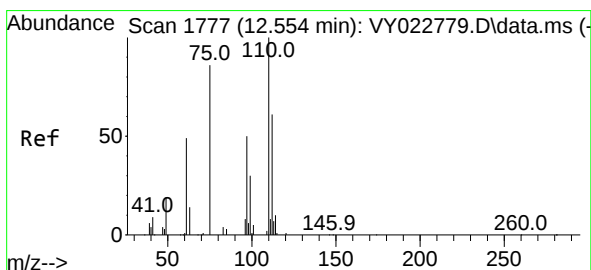
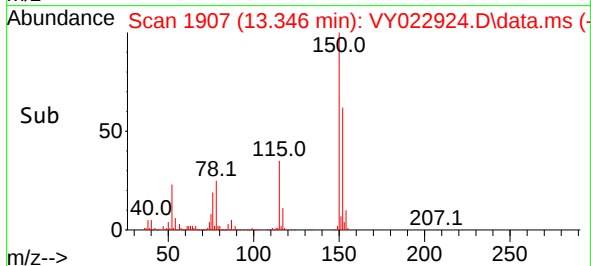
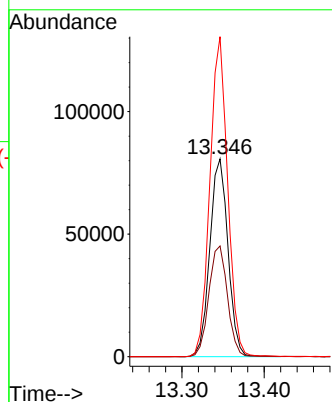
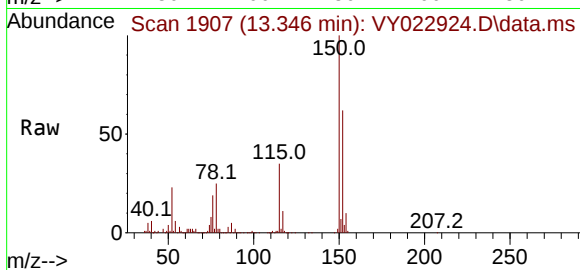
Tgt Ion:152 Resp: 124154

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

150 157.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 65.286 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022924.D

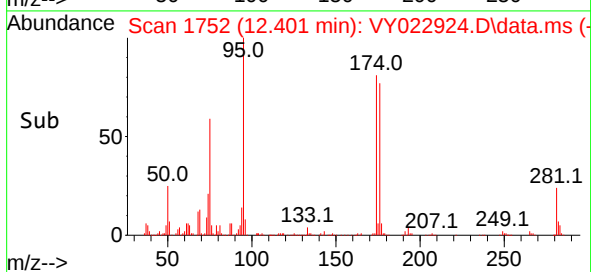
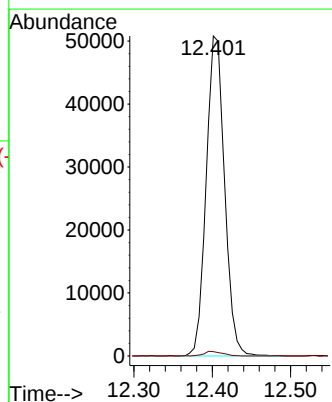
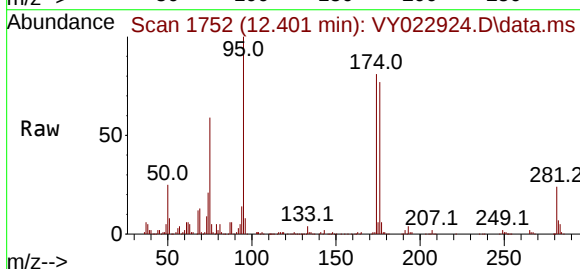
Acq: 02 Jul 2025 19:50

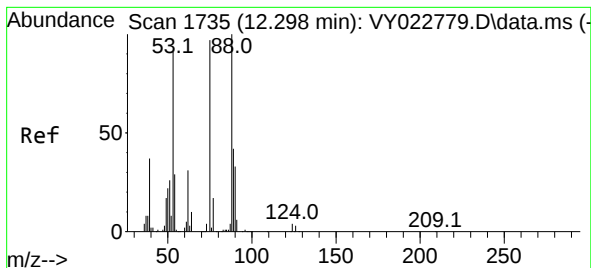
Tgt Ion: 75 Resp: 82751

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 164.939 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Tgt Ion:	75	Resp:	82751
Ion	Ratio	Lower	Upper
75	100		
53	0.2	78.5	117.7#
89	0.0	35.7	53.5#

