

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022524.D
 Acq On : 03 Jun 2025 15:48
 Operator : SY/MD
 Sample : Q2162-01
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-580-582

Quant Time: Jun 04 04:14:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

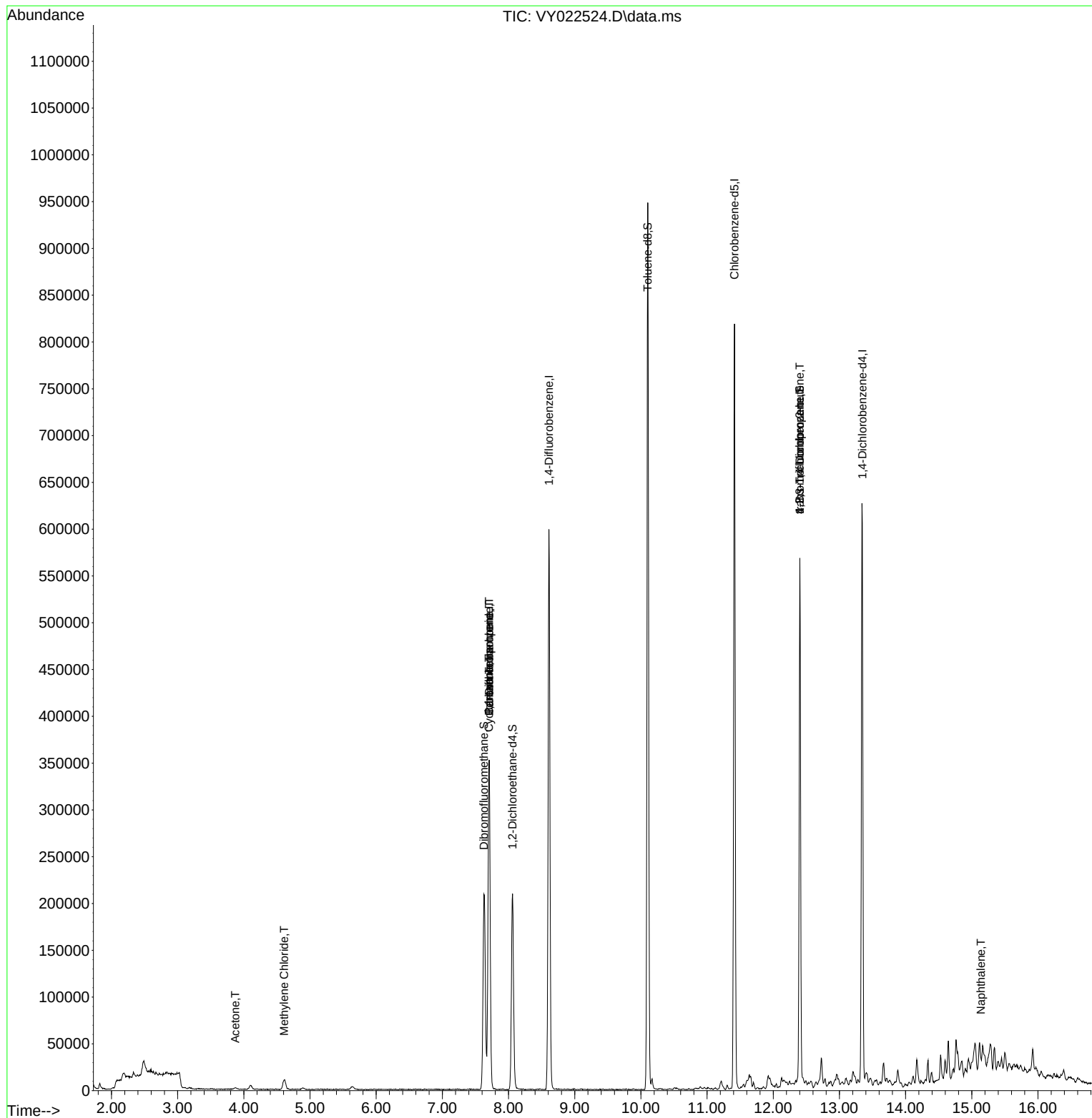
Internal Standards						
1) Pentafluorobenzene	7.707	168	262567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	482605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	394621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155787	53.049	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.100%	
35) Dibromofluoromethane	7.628	113	145953	50.668	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.340%	
50) Toluene-d8	10.103	98	581144	49.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.402	95	154637	44.591	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	2957	4.958	ug/l #	59
20) Methylene Chloride	4.610	84	7530	2.223	ug/l #	91
31) Cyclohexane	7.701	56	7163	1.269	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	22930	4.905	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27290	5.690	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	87935	52.252	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	87935	126.186	ug/l #	11
95) Naphthalene	15.139	128	7441	1.622	ug/l	97

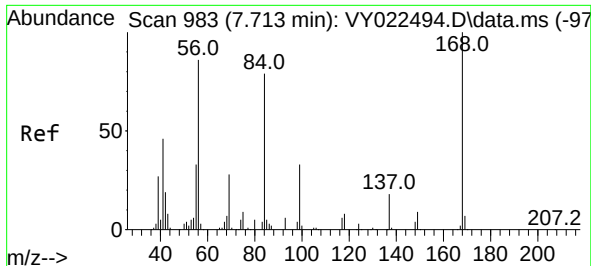
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-182-GW-580-582

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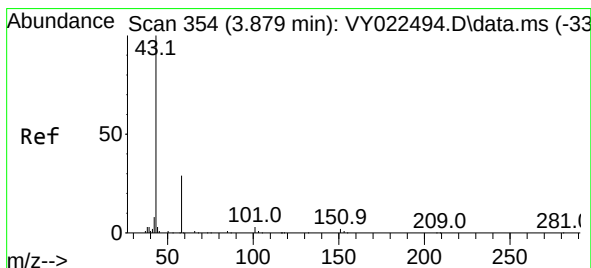
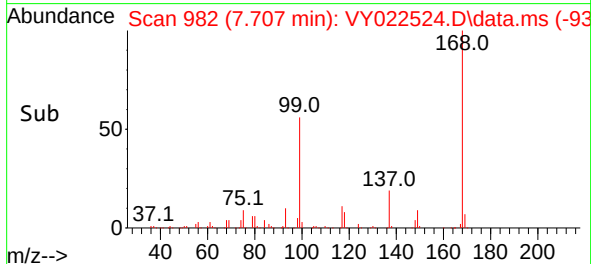
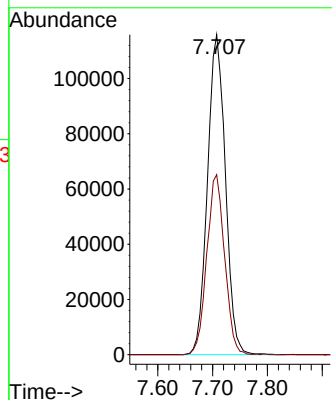
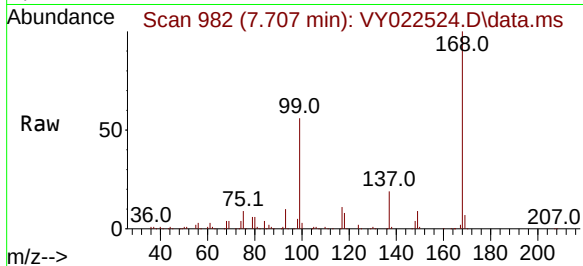




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

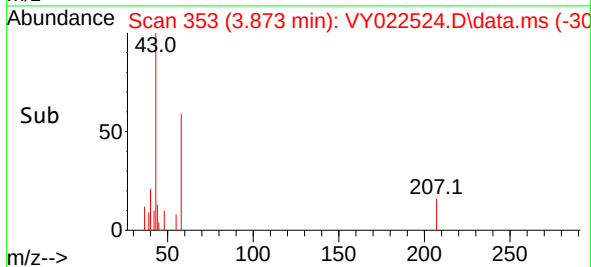
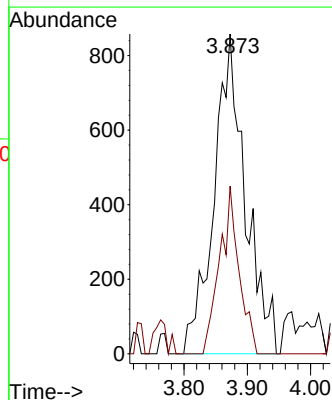
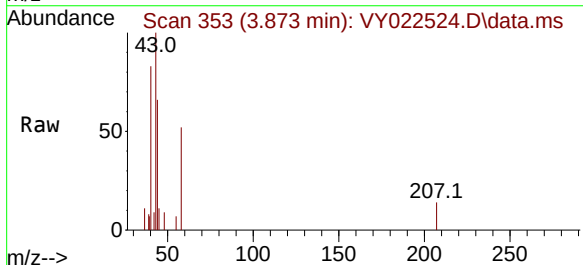
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-580-582

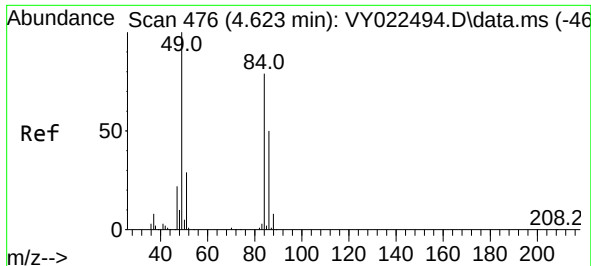
Tgt Ion:168 Resp: 262567
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#16
Acetone
Concen: 4.958 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Tgt Ion: 43 Resp: 2957
Ion Ratio Lower Upper
43 100
58 52.4 24.0 36.0#

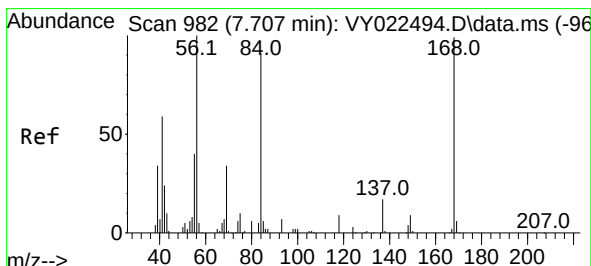
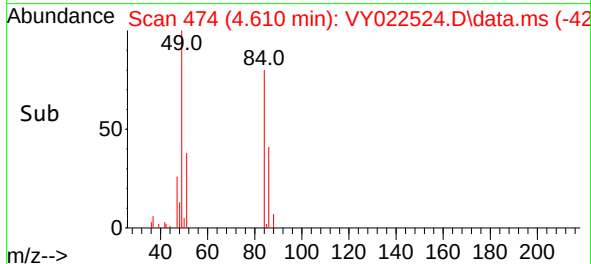
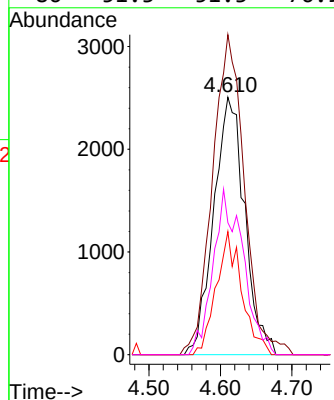
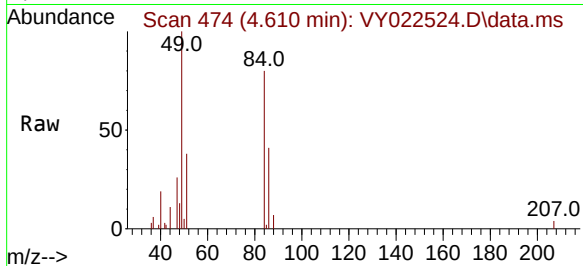




#20
Methylene Chloride
Concen: 2.223 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

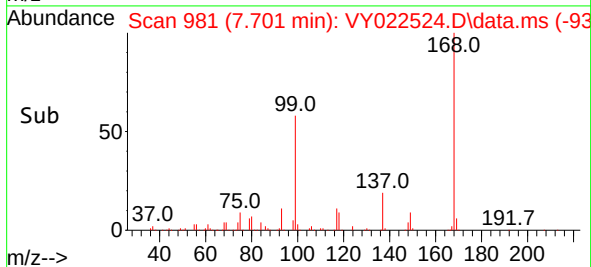
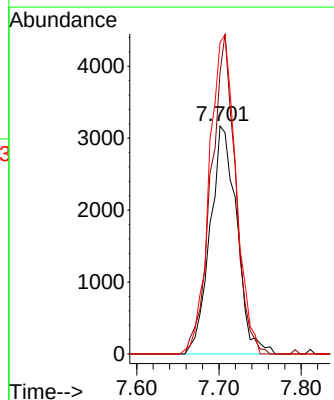
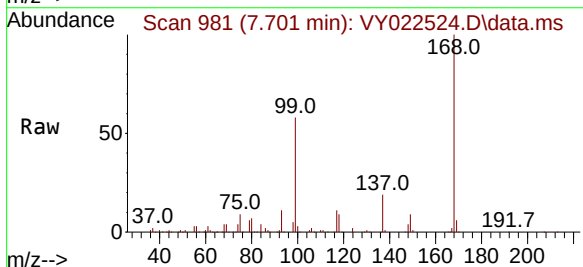
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-580-582

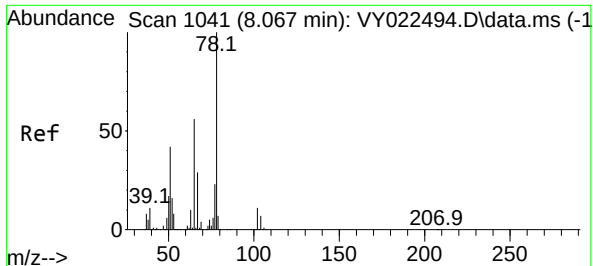
Tgt Ion:	84	Resp:	7530
Ion	Ratio	Lower	Upper
84	100		
49	124.3	101.9	152.9
51	47.8	29.8	44.8#
86	51.3	51.3	76.9



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Tgt Ion:	56	Resp:	7163
Ion	Ratio	Lower	Upper
56	100		
69	123.5	27.0	40.6#
84	136.7	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.049 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

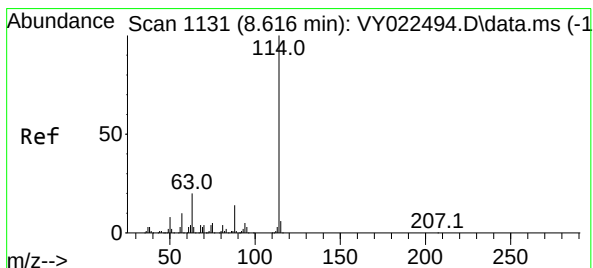
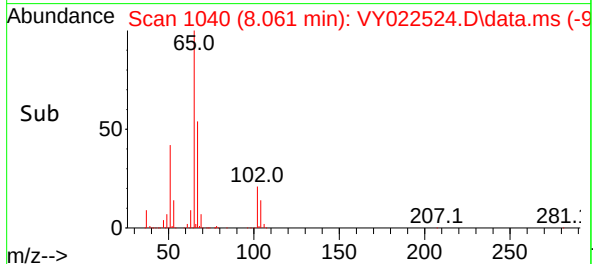
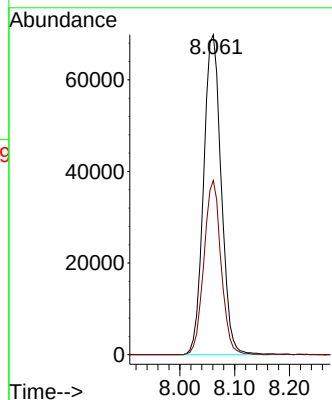
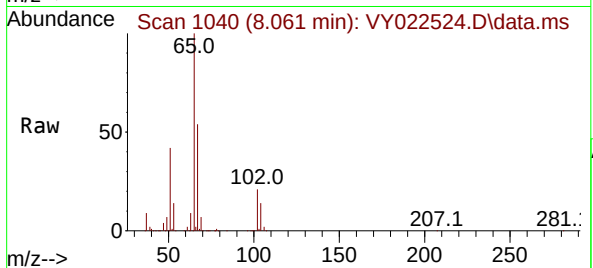
BP-VPB-182-GW-580-582

Tgt Ion: 65 Resp: 155787

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

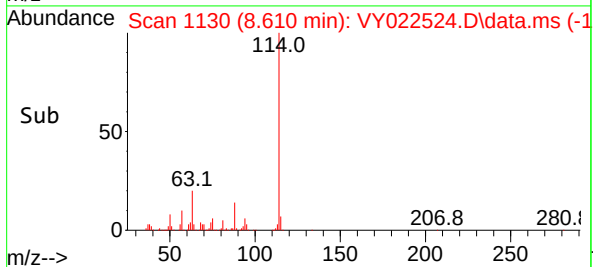
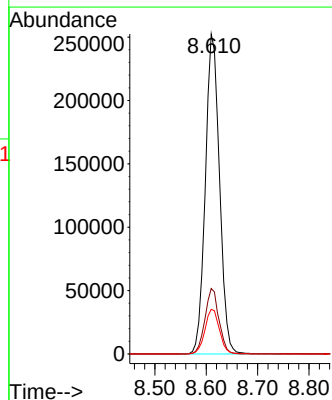
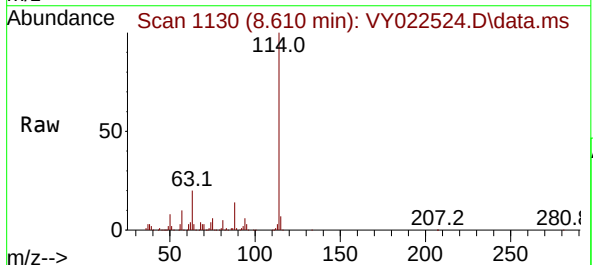
Tgt Ion: 114 Resp: 482605

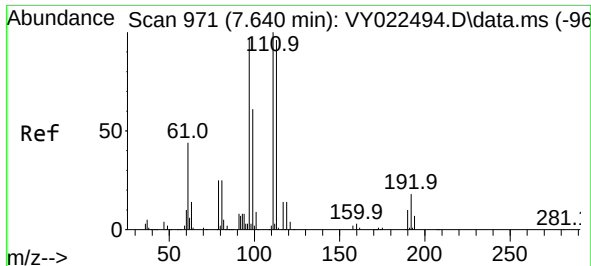
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 50.668 ug/l

RT: 7.628 min Scan# 910

Delta R.T. -0.012 min

Lab File: VY022524.D

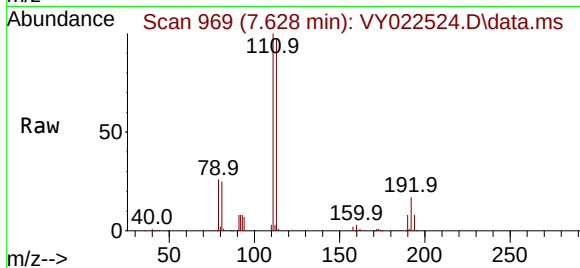
Acq: 03 Jun 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-580-582



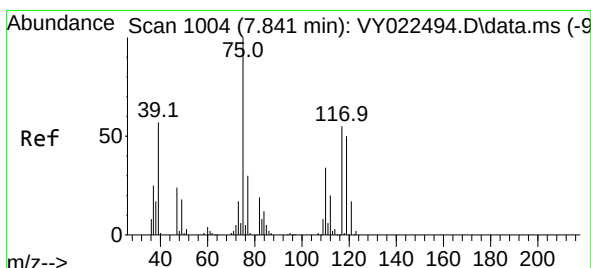
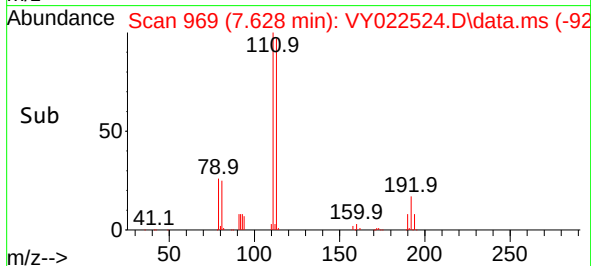
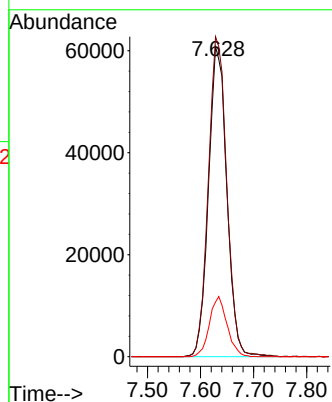
Tgt Ion:113 Resp: 145953

Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

192 18.7 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.905 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

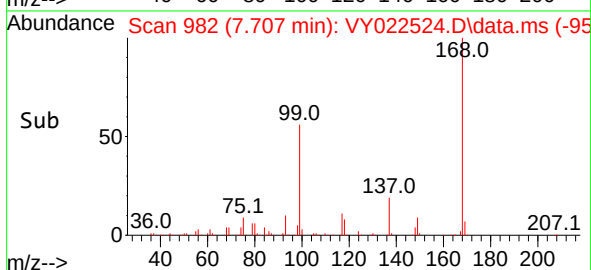
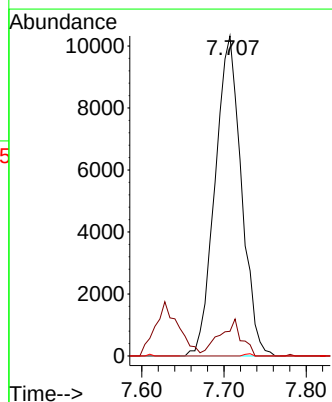
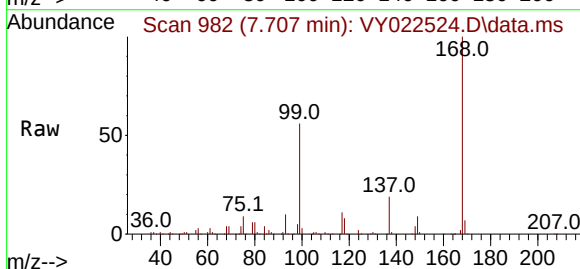
Tgt Ion: 75 Resp: 22930

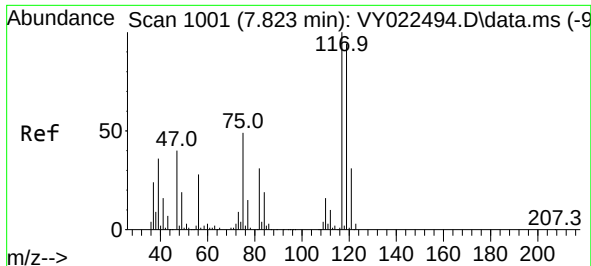
Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

77 0.0 24.8 37.2#

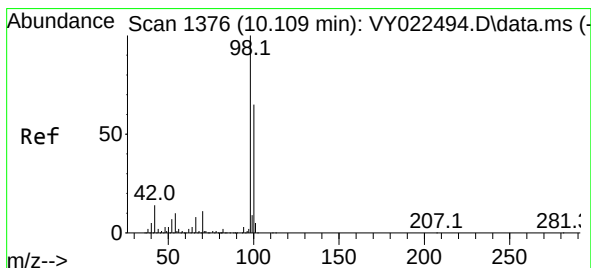
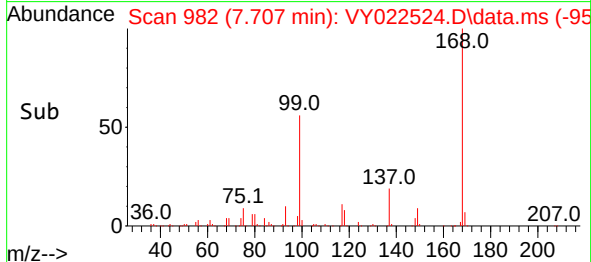
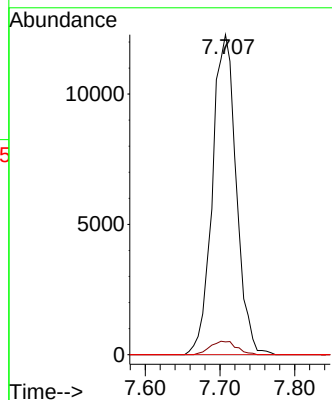
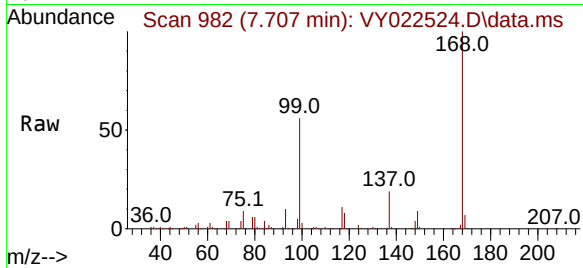




#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

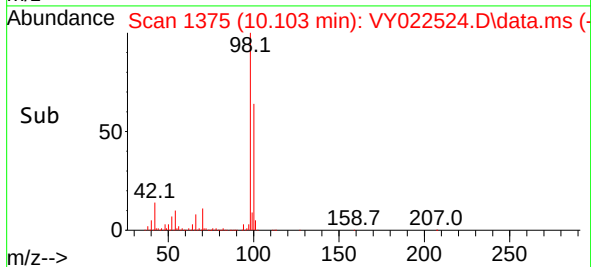
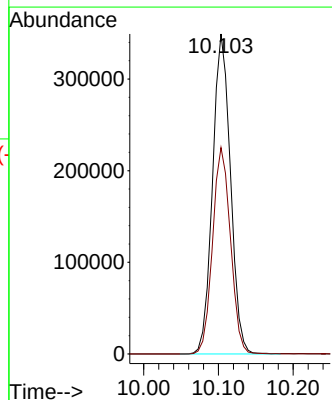
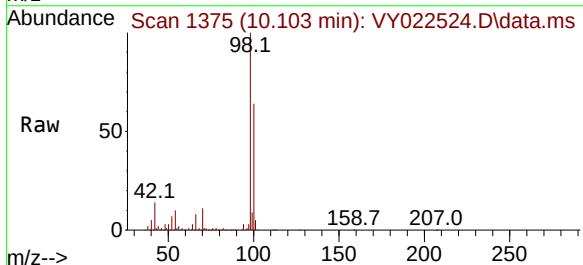
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-580-582

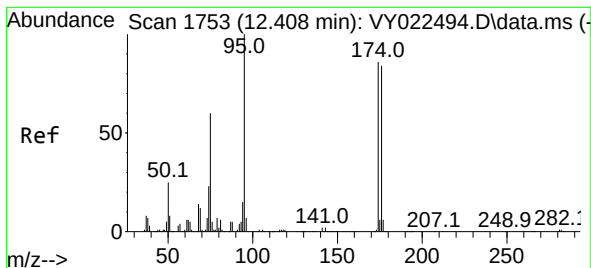
Tgt Ion:117 Resp: 27290
Ion Ratio Lower Upper
117 100
119 4.0 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.929 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Tgt Ion: 98 Resp: 581144
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 44.591 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-580-582

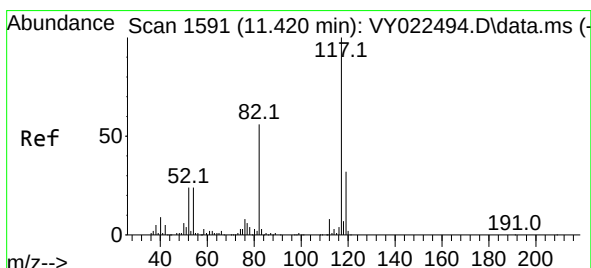
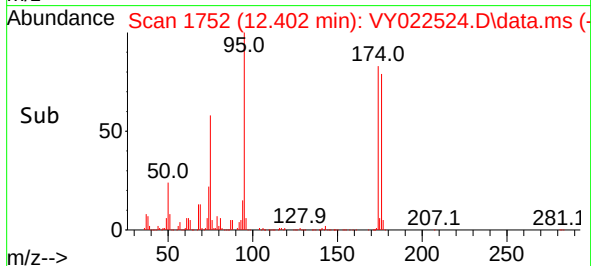
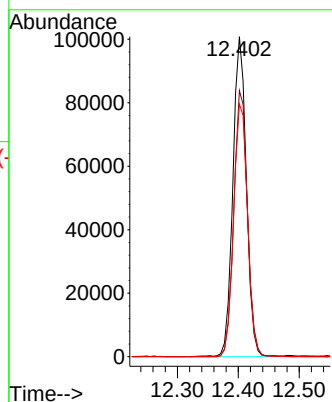
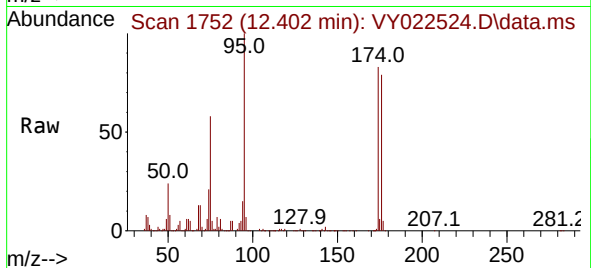
Tgt Ion: 95 Resp: 154637

Ion Ratio Lower Upper

95 100

174 84.0 0.0 170.0

176 81.6 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: VY022524.D

Acq: 03 Jun 2025 15:48

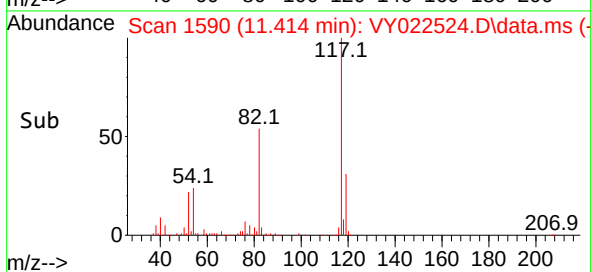
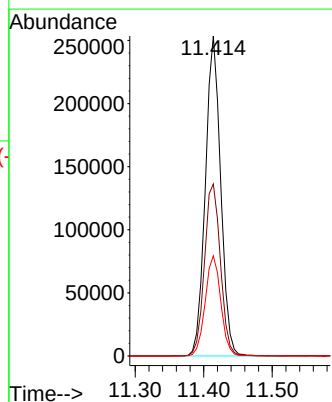
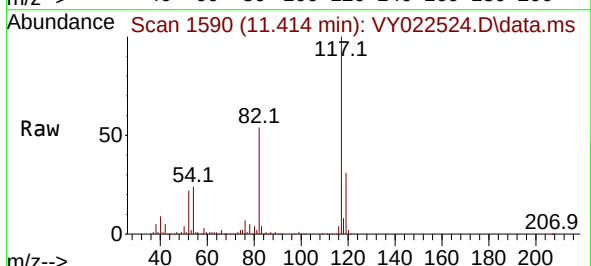
Tgt Ion: 117 Resp: 394621

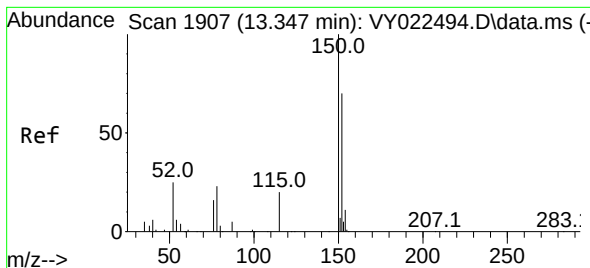
Ion Ratio Lower Upper

117 100

82 53.7 44.6 66.8

119 31.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-580-582

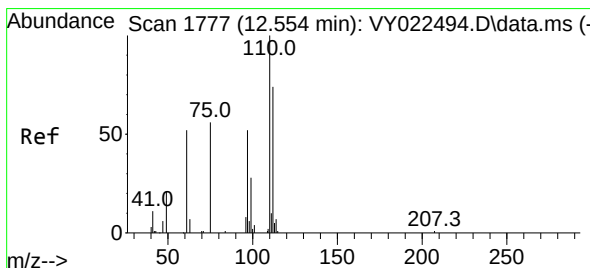
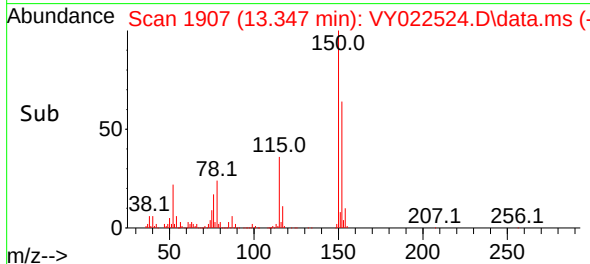
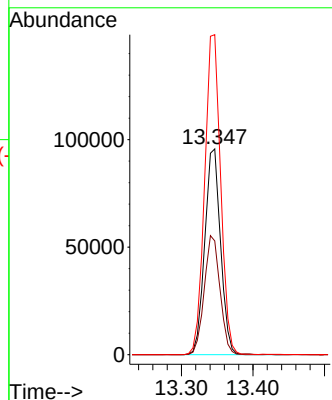
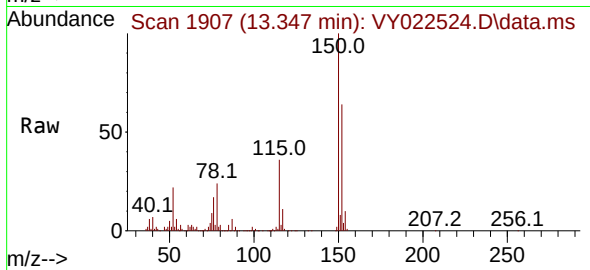
Tgt Ion:152 Resp: 147101

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 157.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.252 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022524.D

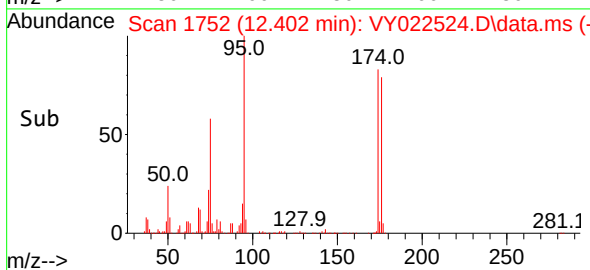
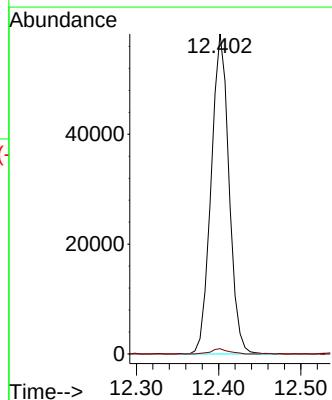
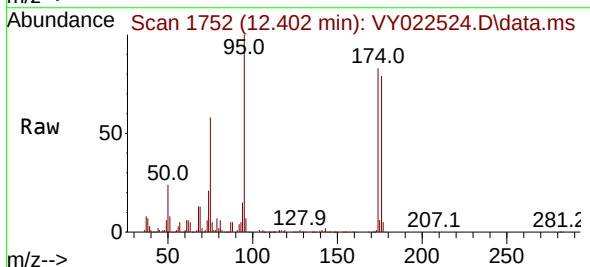
Acq: 03 Jun 2025 15:48

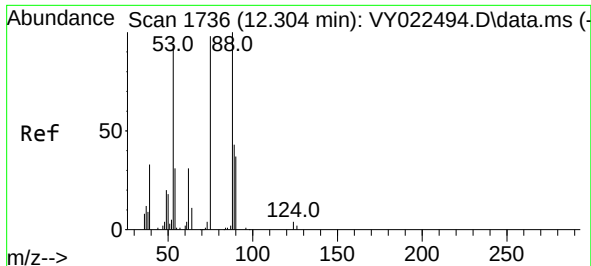
Tgt Ion: 75 Resp: 87935

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

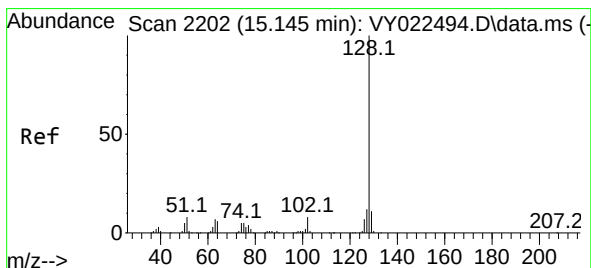
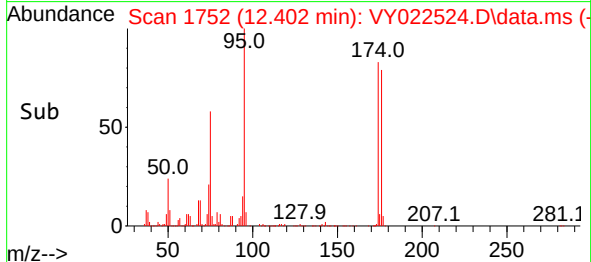
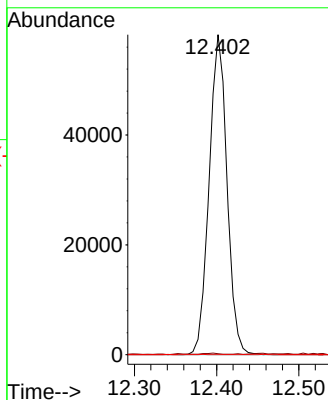
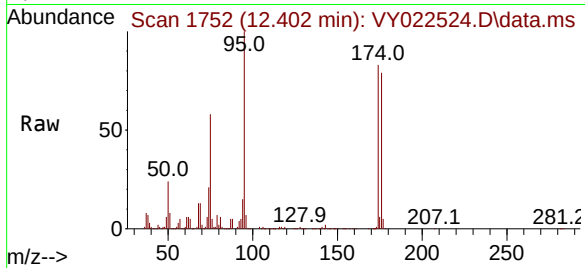




#81
trans-1,4-Dichloro-2-butene
Concen: 126.186 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-580-582

Tgt Ion: 75 Resp: 87935
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.622 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Tgt Ion: 128 Resp: 7441
Ion Ratio Lower Upper
128 100
127 14.7 10.4 15.6
129 11.4 8.9 13.3

