

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022701.D
 Acq On : 16 Jun 2025 12:09
 Operator : SY/MD
 Sample : Q2314-08
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-840-842

Quant Time: Jun 16 16:59:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

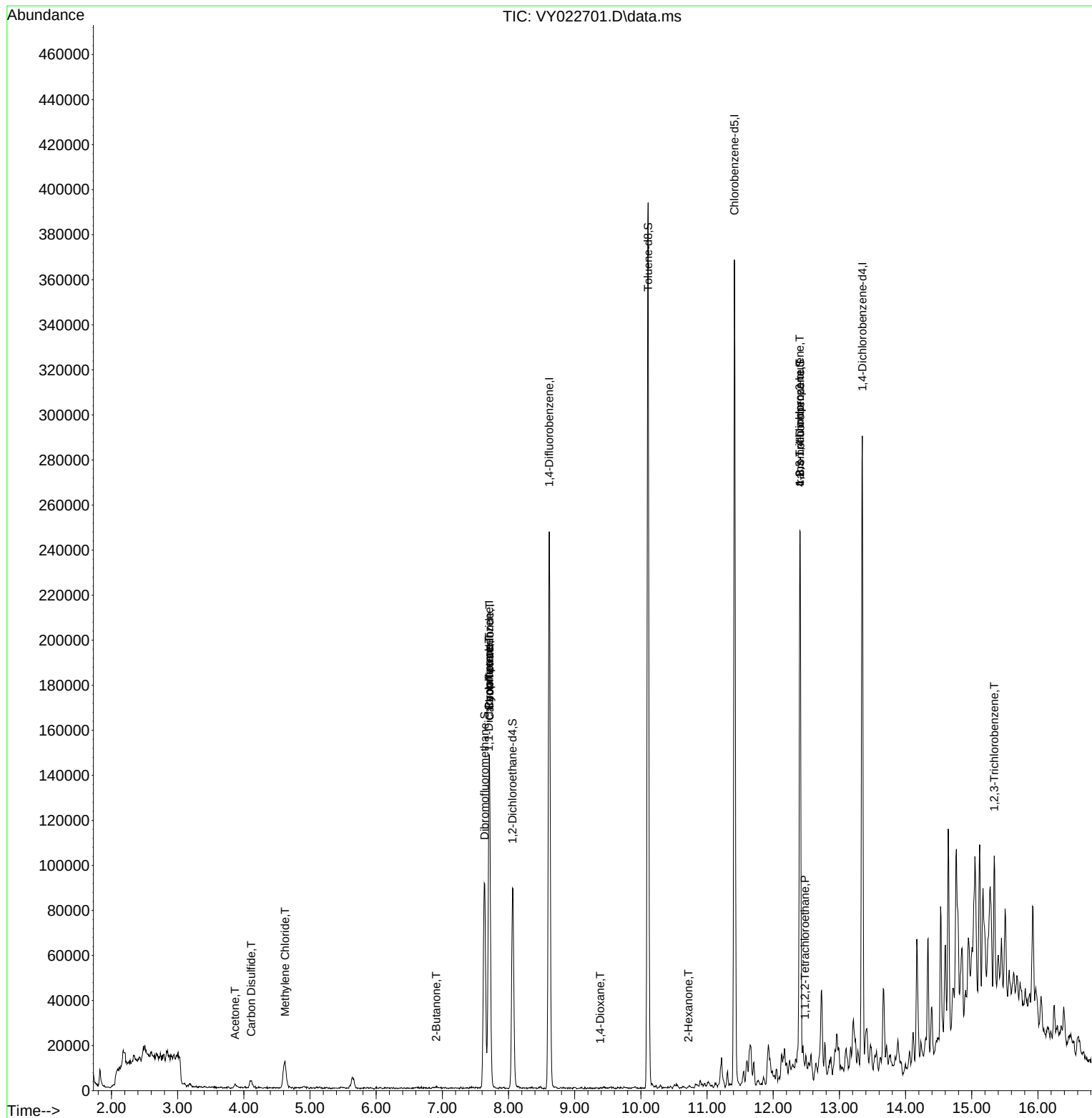
Internal Standards						
1) Pentafluorobenzene	7.707	168	111918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	203194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	172902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	65272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	68926	55.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.120%	
35) Dibromofluoromethane	7.640	113	64820	53.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.900%	
50) Toluene-d8	10.109	98	249189	50.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.408	95	65908	45.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.280%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2772	10.904	ug/l #	80
17) Carbon Disulfide	4.110	76	3846	1.024	ug/l #	94
20) Methylene Chloride	4.622	84	8682	6.012	ug/l #	90
25) 2-Butanone	6.909	43	585	1.595	ug/l #	46
31) Cyclohexane	7.707	56	3396	1.412	ug/l #	71
36) 1,1-Dichloropropene	7.701	75	9774	4.965	ug/l #	51
38) Carbon Tetrachloride	7.713	117	11675	5.782	ug/l #	16
49) 1,4-Dioxane	9.384	88	20	2.184	ug/l #	1
59) 2-Hexanone	10.719	43	641	1.014	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	12.481	83	1035	1.177	ug/l #	60
76) 1,2,3-Trichloropropane	12.402	75	40563	54.320	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	40563	131.181	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.340	180	1148	1.263	ug/l #	18

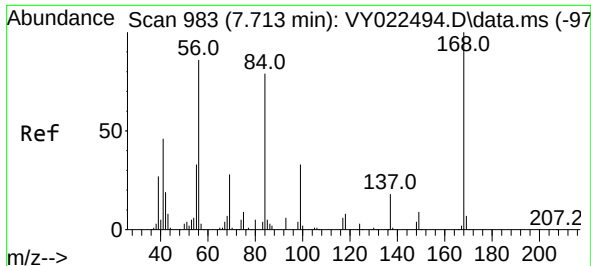
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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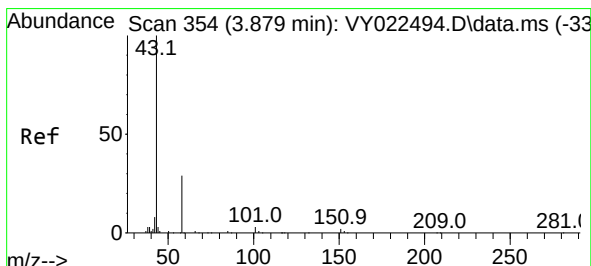
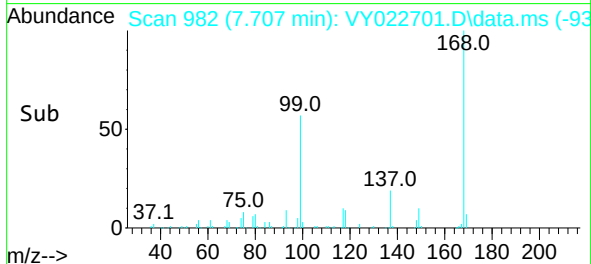
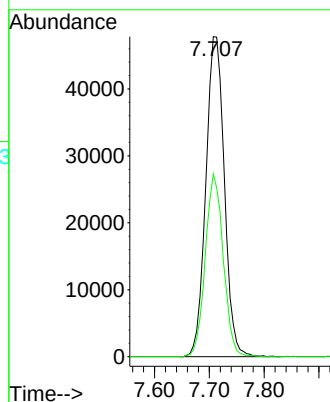
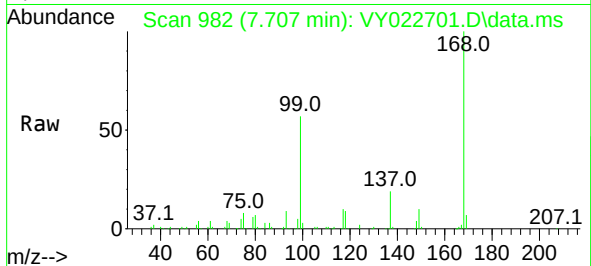




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

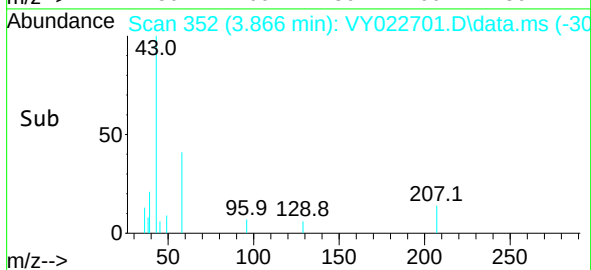
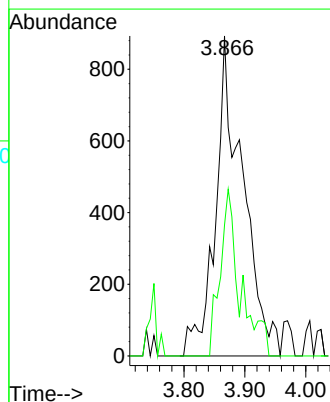
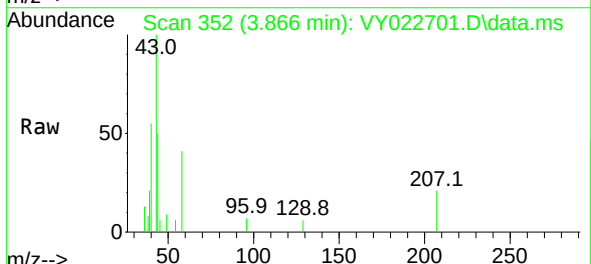
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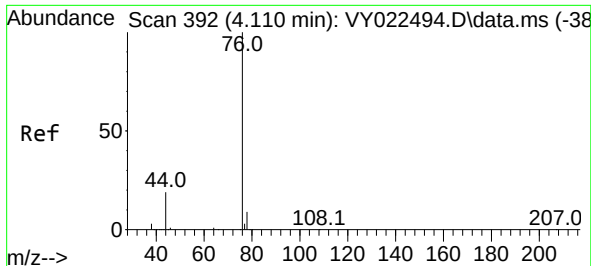
Tgt Ion:168 Resp: 111918
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#16
Acetone
Concen: 10.904 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 43 Resp: 2772
Ion Ratio Lower Upper
43 100
58 40.9 24.0 36.0#

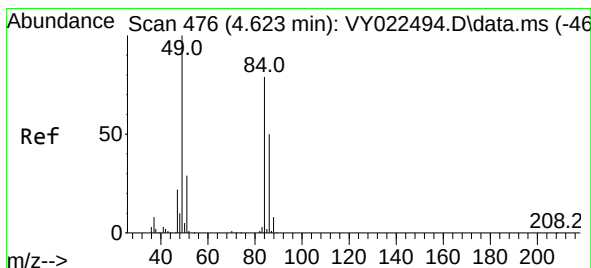
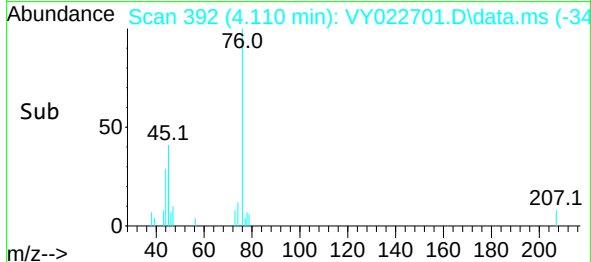
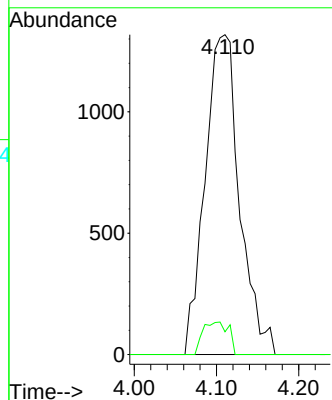
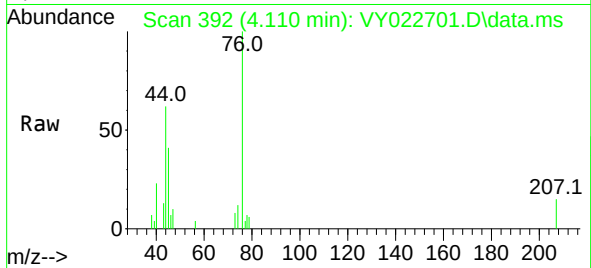




#17
Carbon Disulfide
Concen: 1.024 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

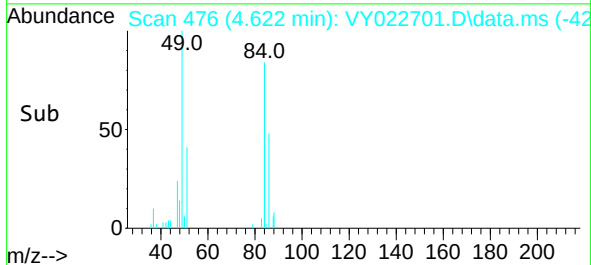
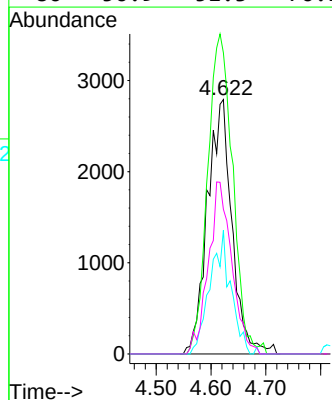
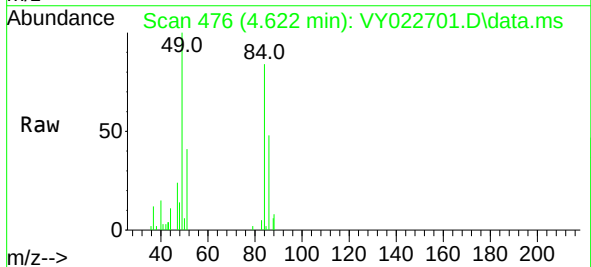
Instrument : MSVOA_Y
ClientSampleId : BP-VPB-182-GW-840-842

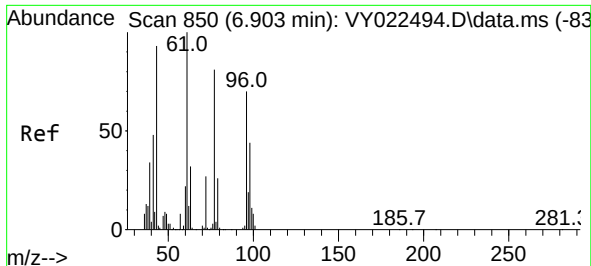
Tgt Ion: 76 Resp: 3846
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.2#



#20
Methylene Chloride
Concen: 6.012 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 84 Resp: 8682
Ion Ratio Lower Upper
84 100
49 118.4 101.9 152.9
51 48.6 29.8 44.8#
86 56.9 51.3 76.9

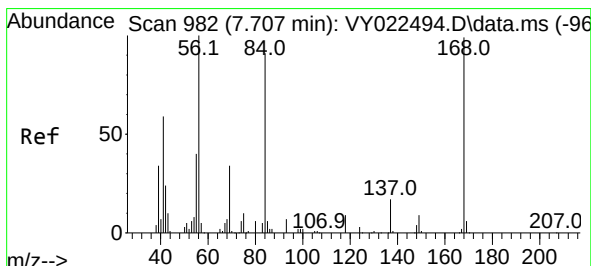
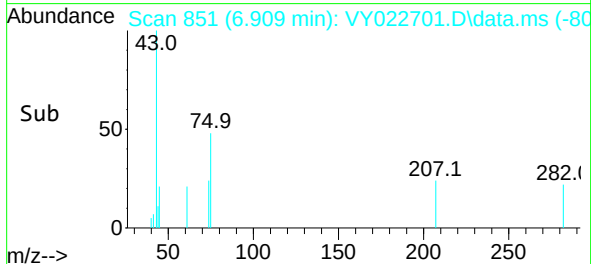
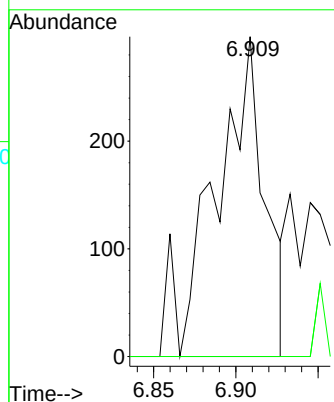
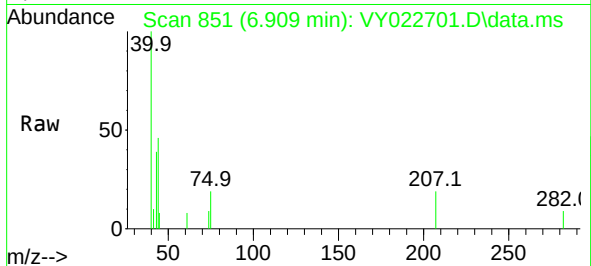




#25
2-Butanone
Concen: 1.595 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

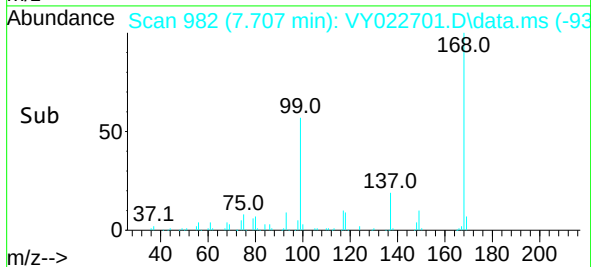
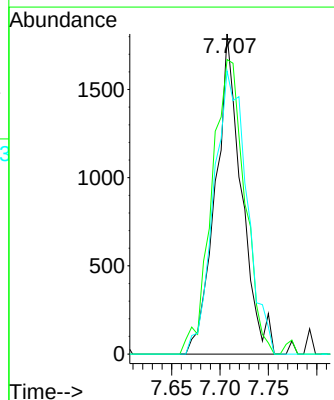
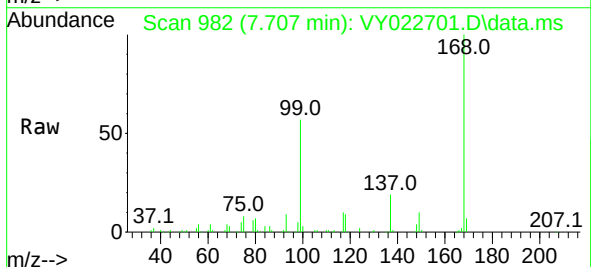
Instrument :
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ClientSampleId :
BP-VPB-182-GW-840-842

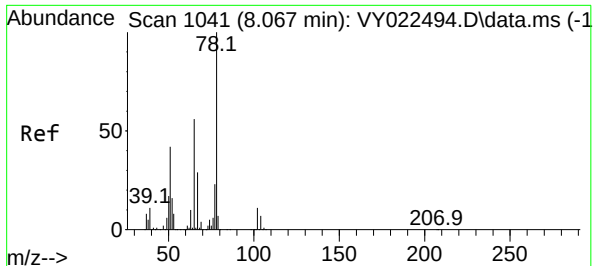
Tgt Ion: 43 Resp: 585
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 56 Resp: 3396
Ion Ratio Lower Upper
56 100
69 92.0 27.0 40.6#
84 88.4 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 55.064 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022701.D

Acq: 16 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

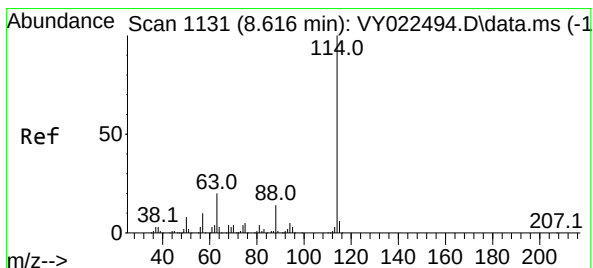
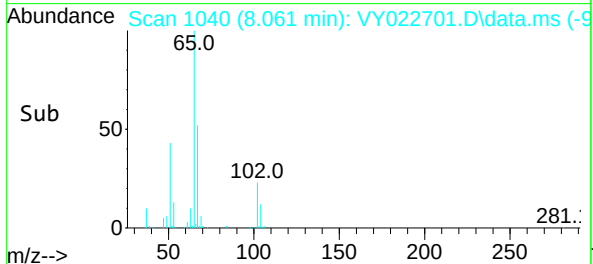
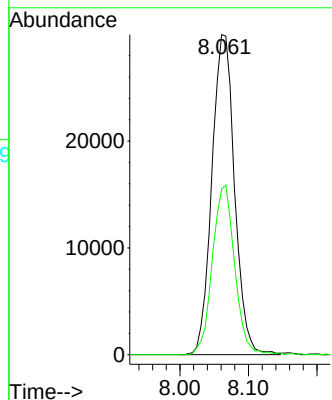
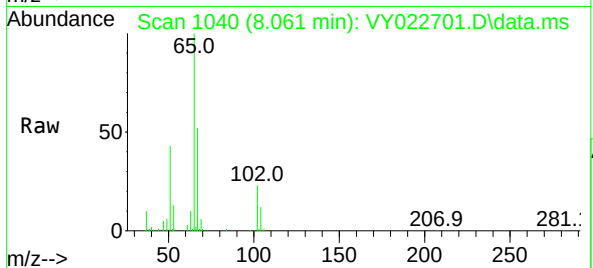
BP-VPB-182-GW-840-842

Tgt Ion: 65 Resp: 68926

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022701.D

Acq: 16 Jun 2025 12:09

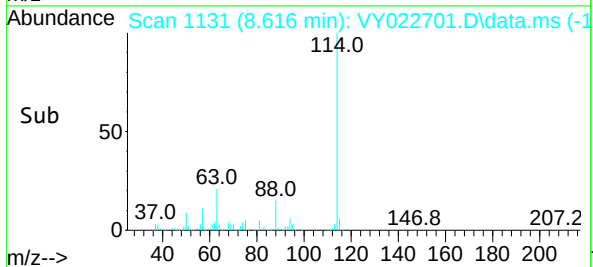
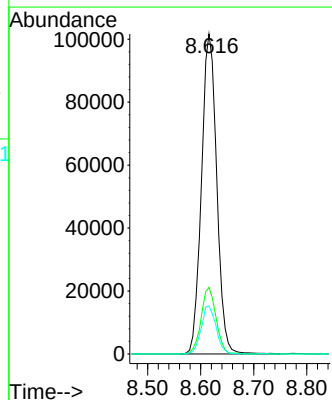
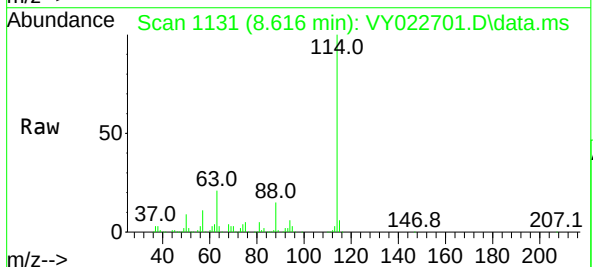
Tgt Ion: 114 Resp: 203194

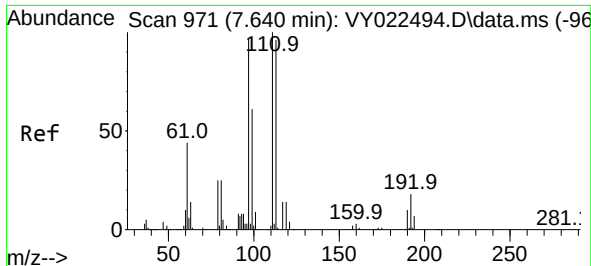
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.0 0.0 27.8

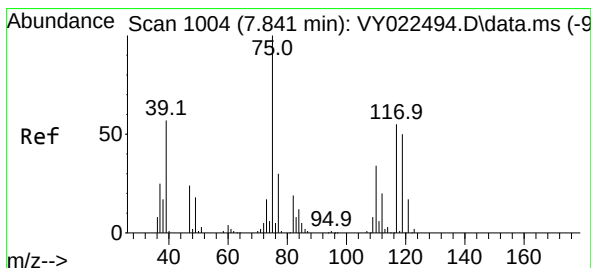
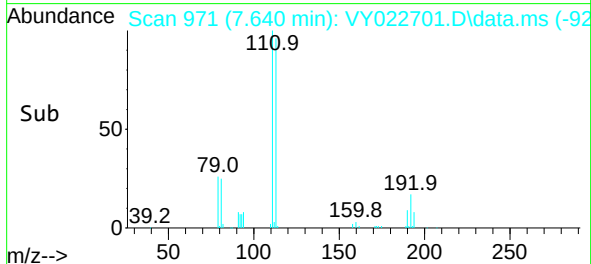
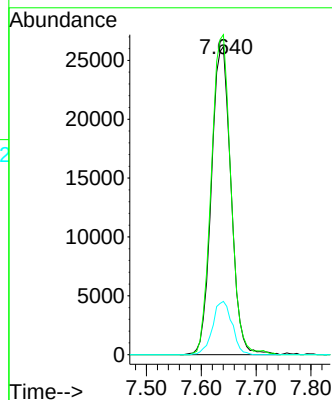
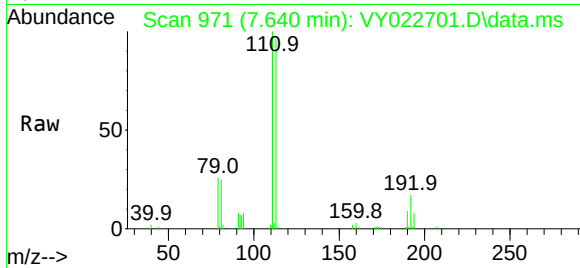




#35
Dibromofluoromethane
Concen: 53.446 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

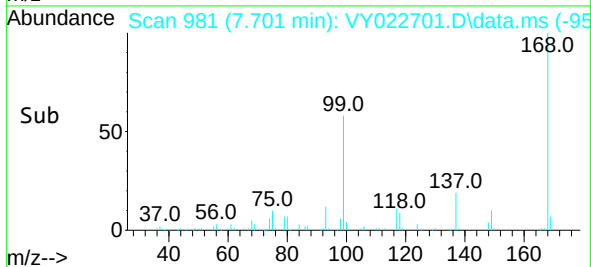
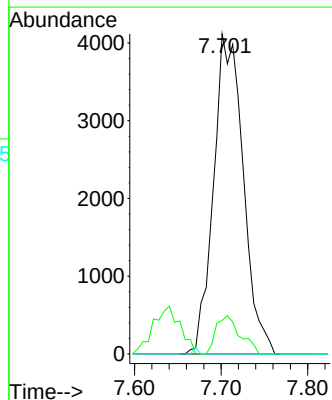
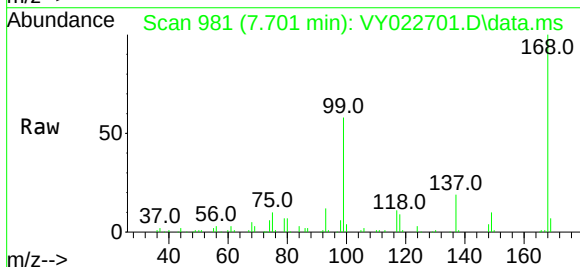
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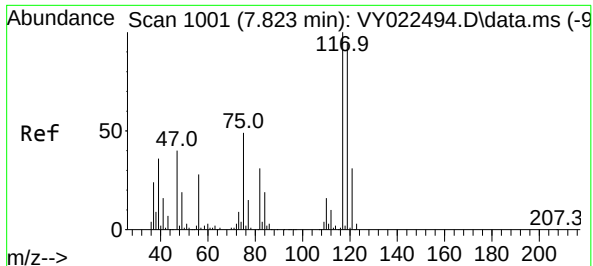
Tgt Ion:113 Resp: 64820
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 17.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.965 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 75 Resp: 9774
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.7#
77 0.0 24.8 37.2#

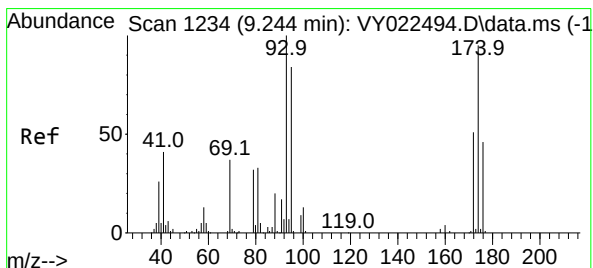
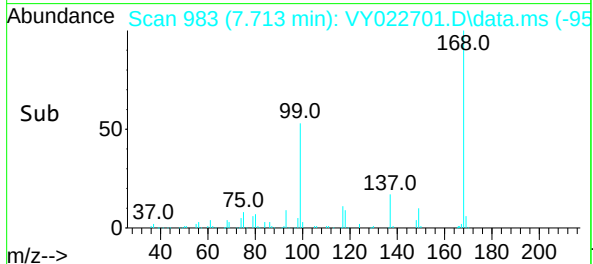
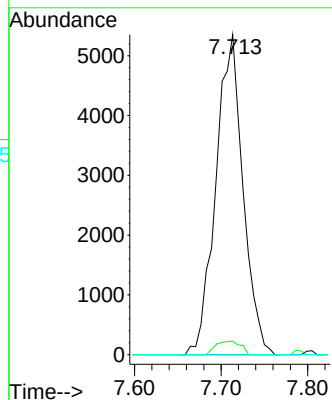
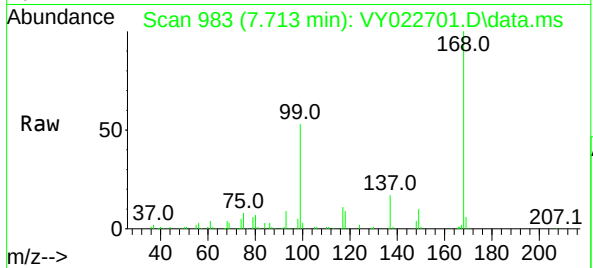




#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

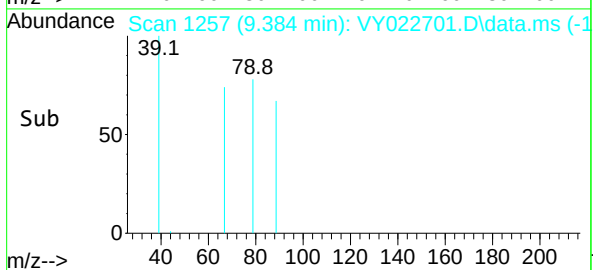
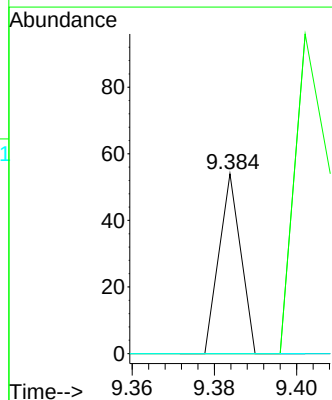
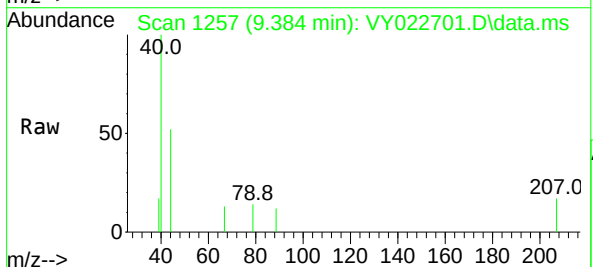
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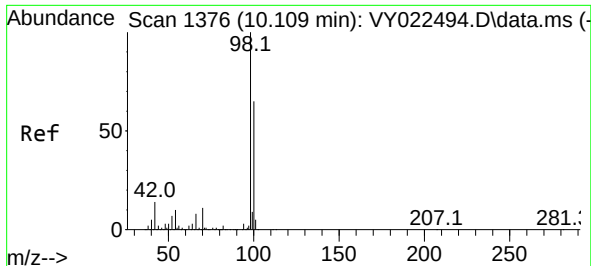
Tgt Ion:117 Resp: 11675
Ion Ratio Lower Upper
117 100
119 4.2 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.184 ug/l
RT: 9.384 min Scan# 1257
Delta R.T. 0.140 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 275.0 25.4 38.2#
58 0.0 54.9 82.3#

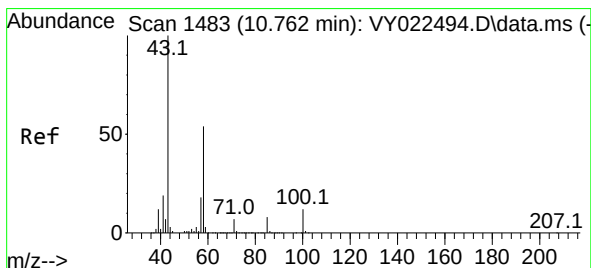
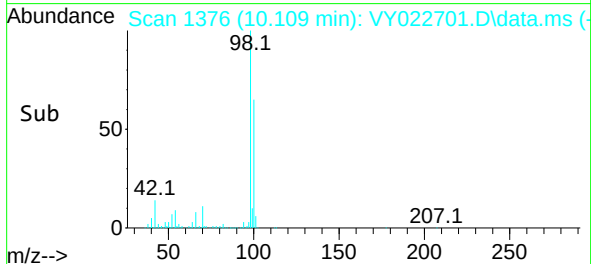
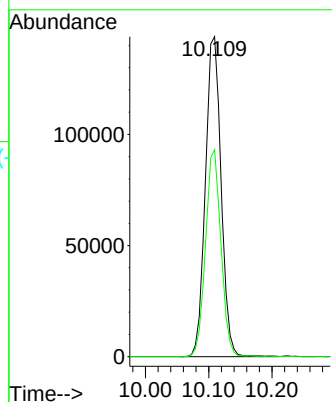
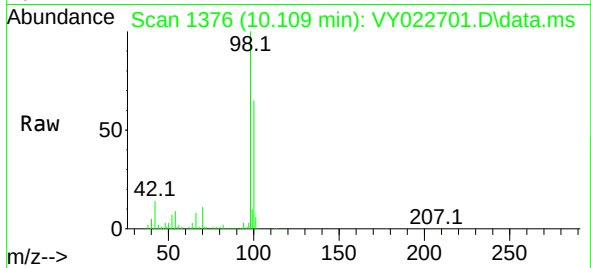




#50
Toluene-d8
Concen: 50.849 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

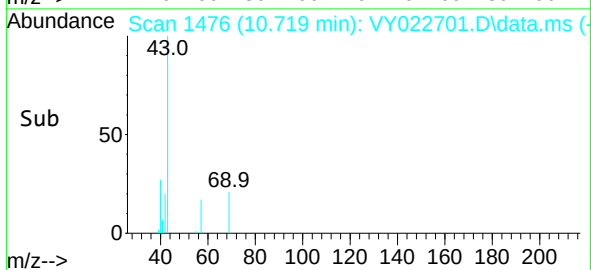
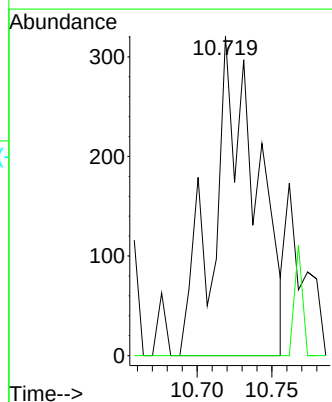
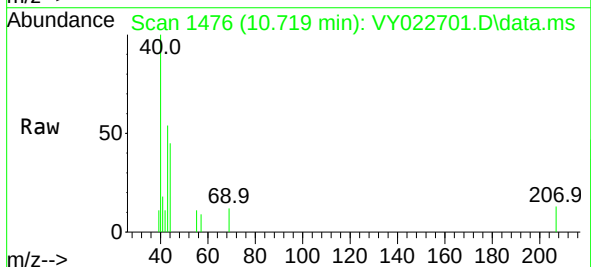
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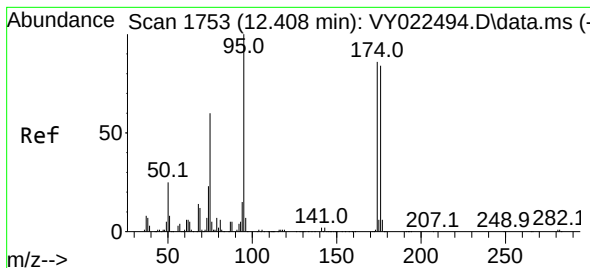
Tgt Ion: 98 Resp: 249189
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#59
2-Hexanone
Concen: 1.014 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.043 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 45.139 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022701.D

Acq: 16 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-840-842

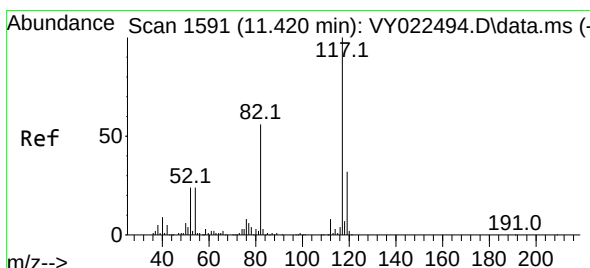
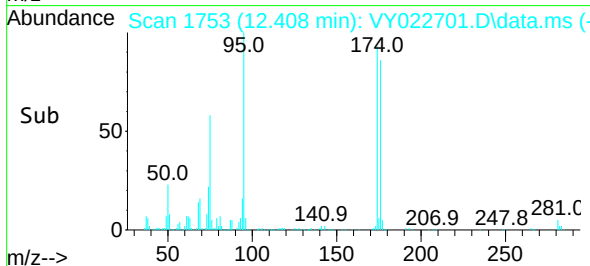
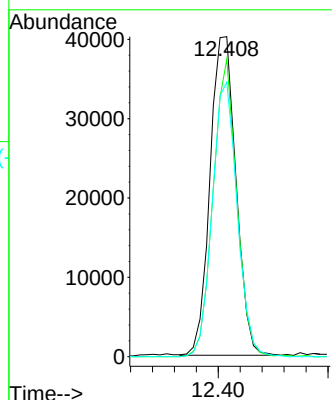
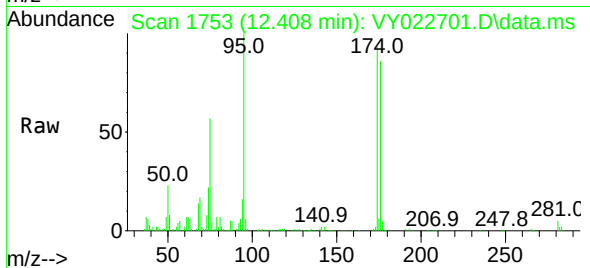
Tgt Ion: 95 Resp: 65908

Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.0

176 83.1 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: VY022701.D

Acq: 16 Jun 2025 12:09

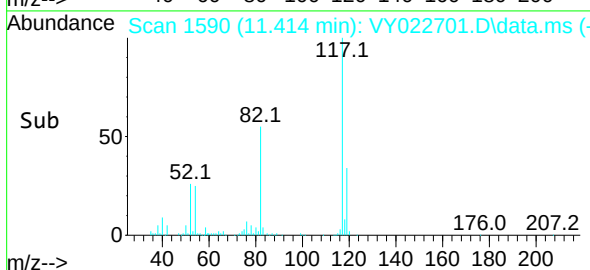
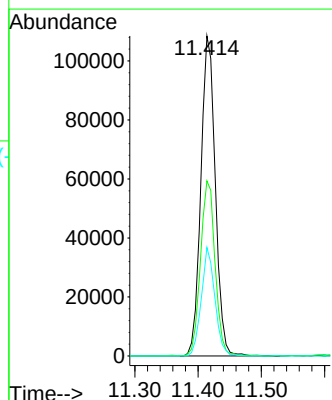
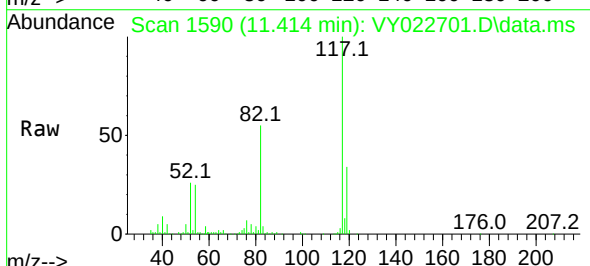
Tgt Ion: 117 Resp: 172902

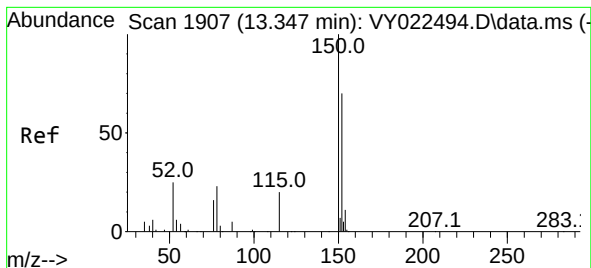
Ion Ratio Lower Upper

117 100

82 54.6 44.6 66.8

119 33.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022701.D

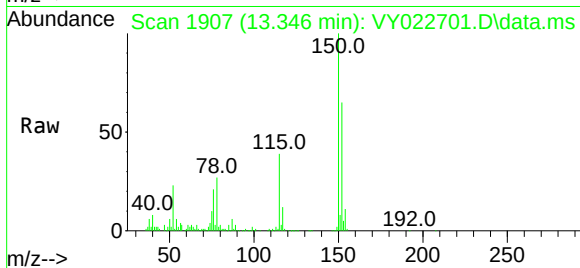
Acq: 16 Jun 2025 12:09

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-840-842



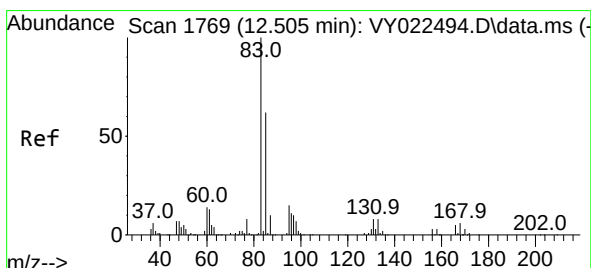
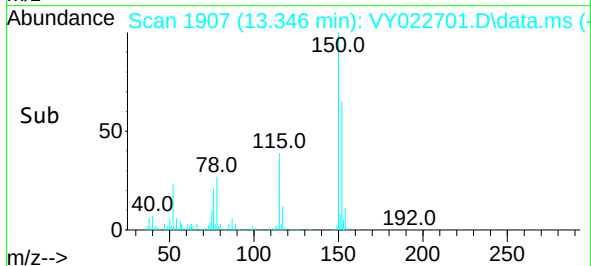
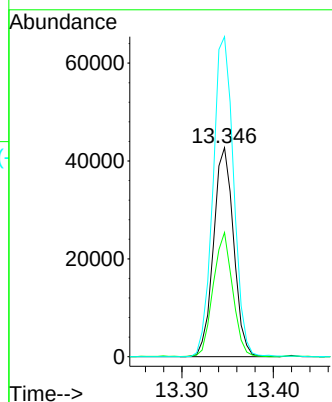
Tgt Ion:152 Resp: 65272

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 157.7 0.0 349.6



#75

1,1,2,2-Tetrachloroethane

Concen: 1.177 ug/l

RT: 12.481 min Scan# 1765

Delta R.T. -0.024 min

Lab File: VY022701.D

Acq: 16 Jun 2025 12:09

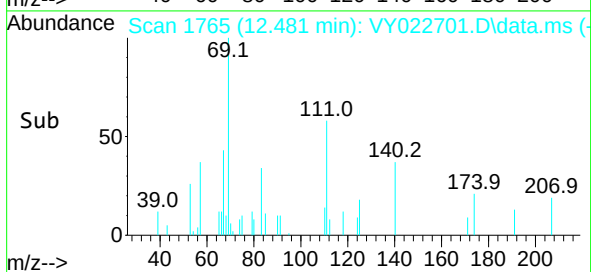
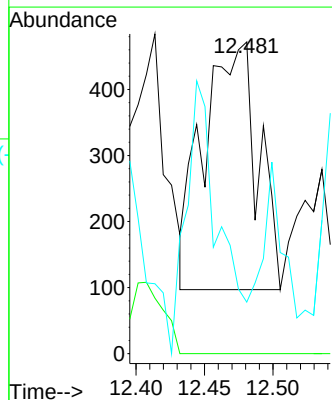
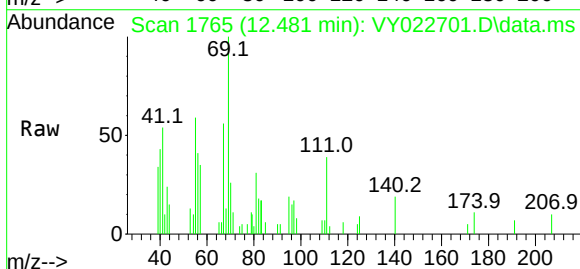
Tgt Ion: 83 Resp: 1035

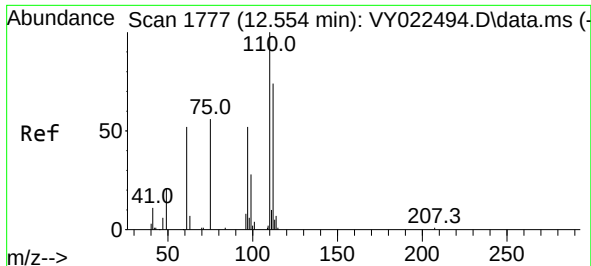
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 31.6 32.6 97.8#

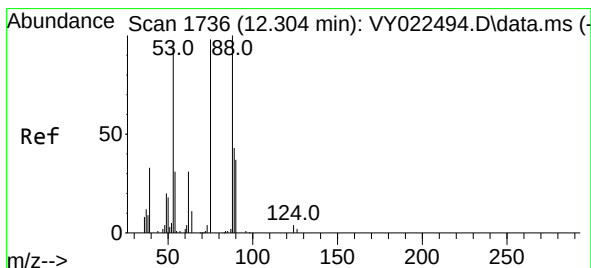
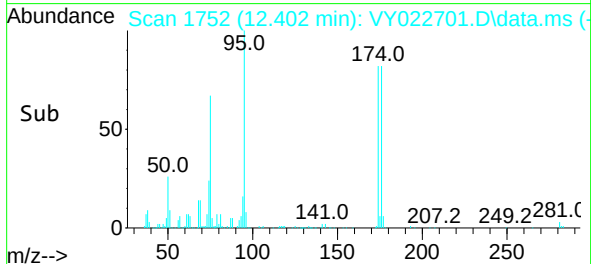
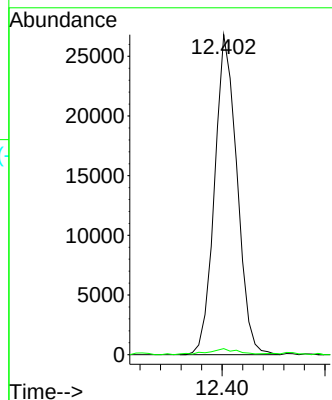
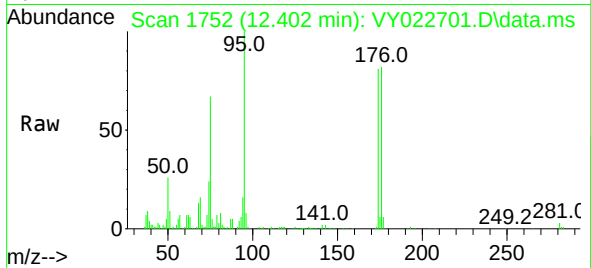




#76
1,2,3-Trichloropropane
Concen: 54.320 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

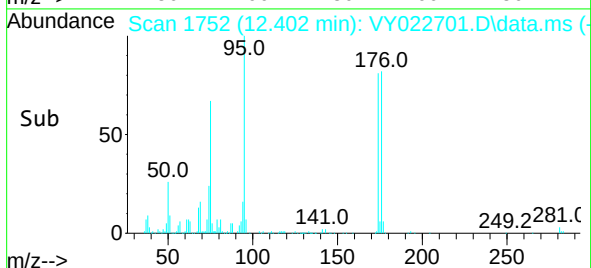
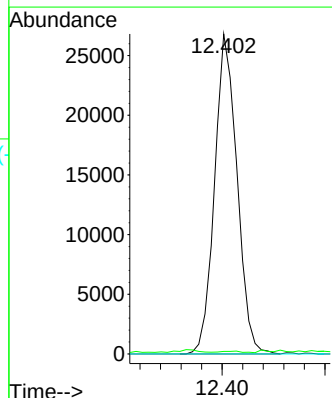
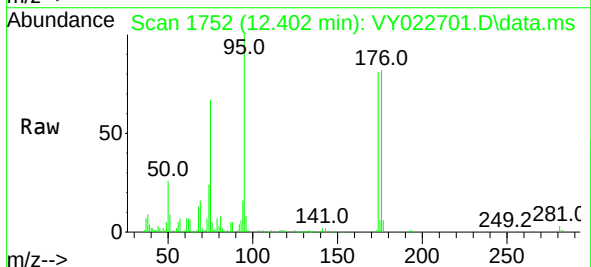
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

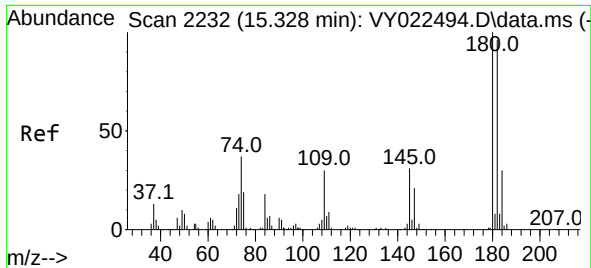
Tgt Ion: 75 Resp: 40563
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.181 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

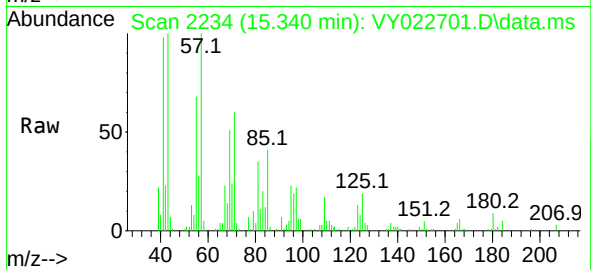
Tgt Ion: 75 Resp: 40563
Ion Ratio Lower Upper
75 100
53 0.5 78.5 117.7#
89 0.0 35.7 53.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.263 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY022701.D
 Acq: 16 Jun 2025 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-840-842



Tgt Ion	Ratio	Lower	Upper
180	100		
182	7.3	47.1	141.3#
145	0.0	15.2	45.6#

