

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022658.D
 Acq On : 11 Jun 2025 12:48
 Operator : SY/MD
 Sample : Q2251-07
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-780-782

Quant Time: Jun 12 05:06:13 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)

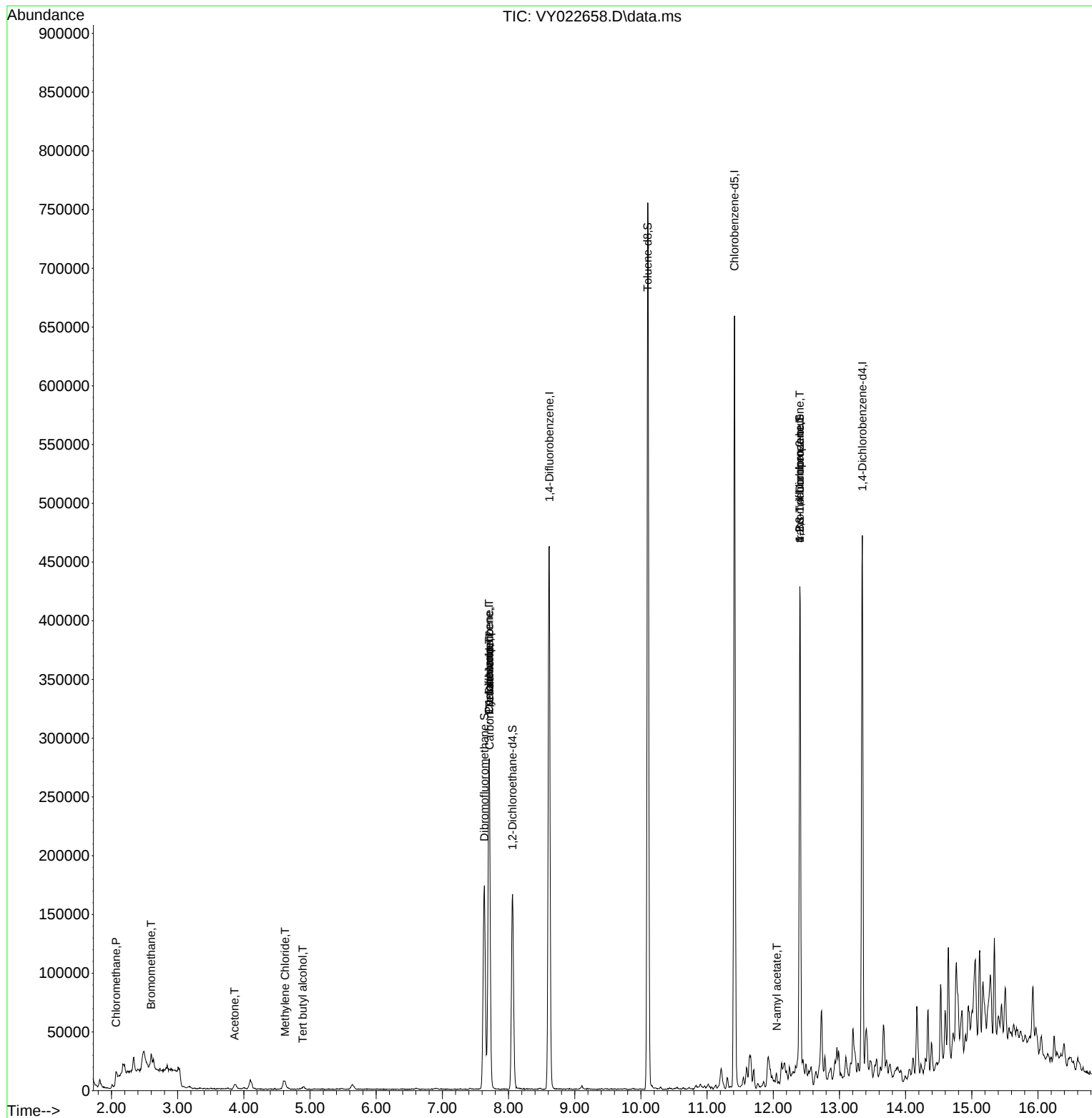
Internal Standards						
1) Pentafluorobenzene	7.707	168	210051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	390122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	315222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	106070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126766	53.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.920%	
35) Dibromofluoromethane	7.634	113	119054	51.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.260%	
50) Toluene-d8	10.103	98	468077	49.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.500%	
62) 4-Bromofluorobenzene	12.402	95	115544	41.216	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	6002	1.080	ug/l #	86
5) Bromomethane	2.599	94	7431	1.203	ug/l	86
11) Tert butyl alcohol	4.891	59	187	1.114	ug/l #	73
16) Acetone	3.861	43	7229	15.152	ug/l	96
20) Methylene Chloride	4.623	84	5442	2.008	ug/l #	79
31) Cyclohexane	7.707	56	6189	1.371	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	19209	5.083	ug/l #	50
38) Carbon Tetrachloride	7.713	117	21916	5.653	ug/l #	15
74) N-amyl acetate	12.054	43	2354	1.071	ug/l #	53
76) 1,2,3-Trichloropropane	12.402	75	70330	57.957	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	70330	139.963	ug/l #	11

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

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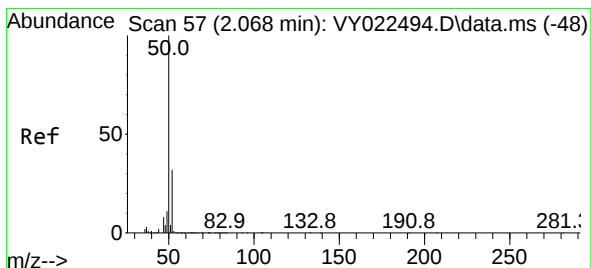
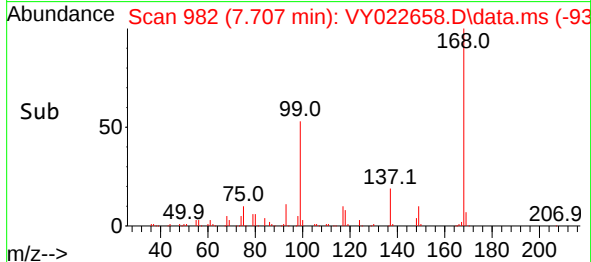
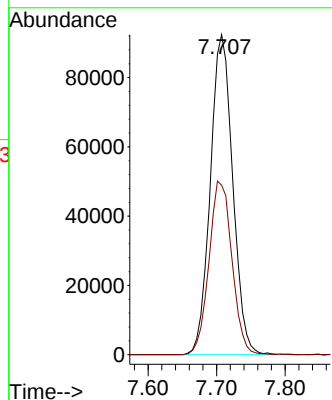
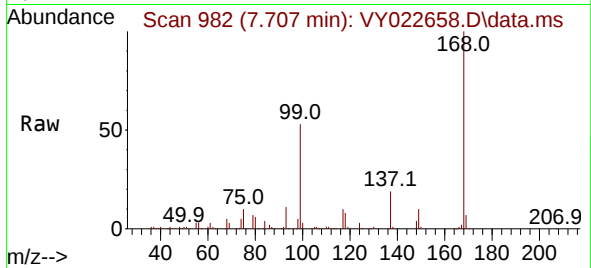




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

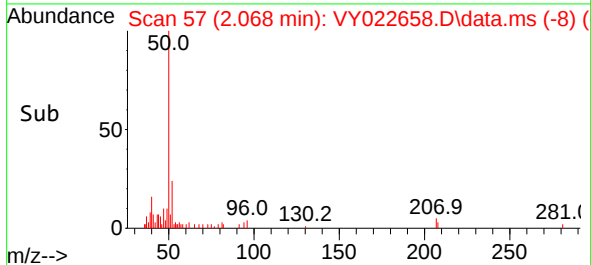
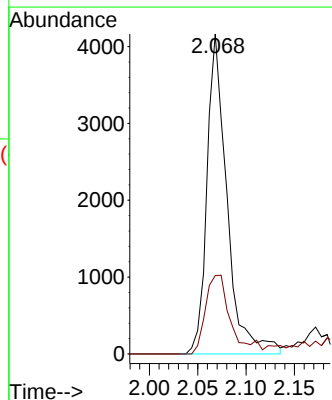
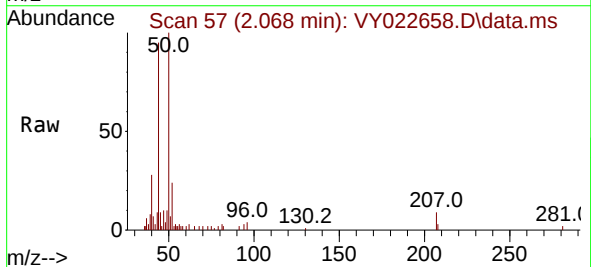
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

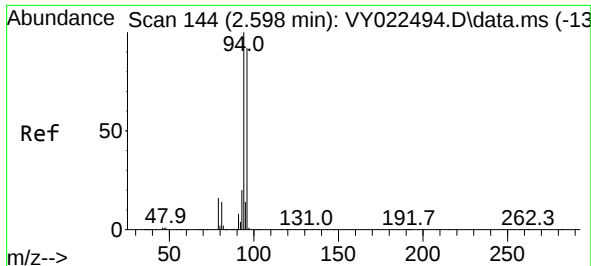
Tgt Ion:168 Resp: 210051
Ion Ratio Lower Upper
168 100
99 52.9 44.3 66.5



#3
Chloromethane
Concen: 1.080 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 50 Resp: 6002
Ion Ratio Lower Upper
50 100
52 24.5 26.0 39.0#

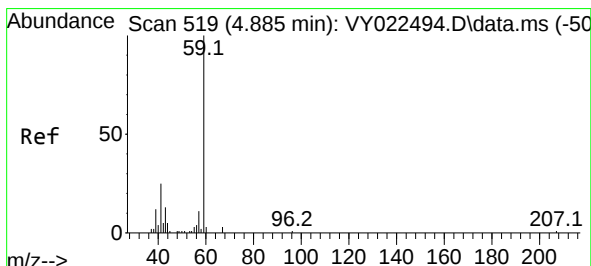
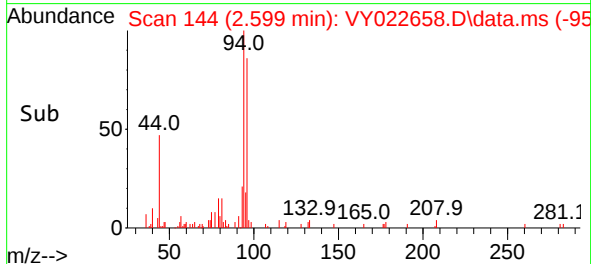
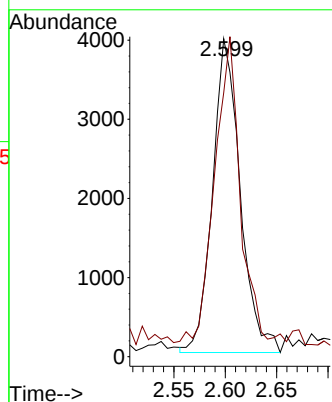
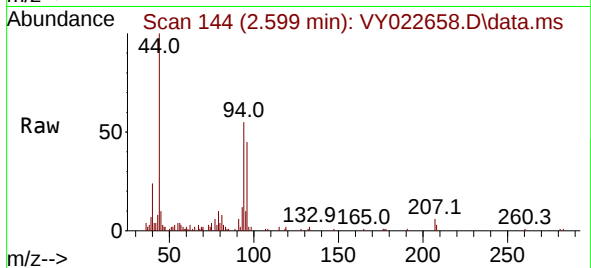




#5
Bromomethane
Concen: 1.203 ug/l
RT: 2.599 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

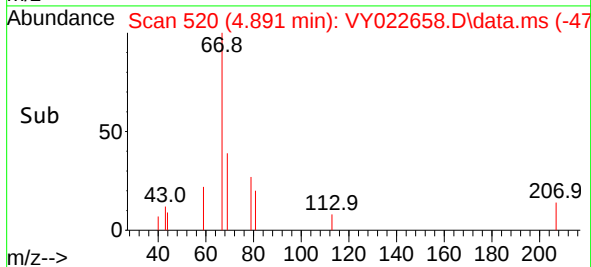
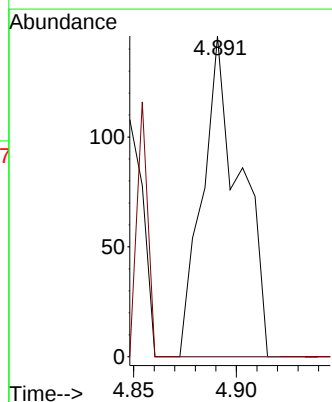
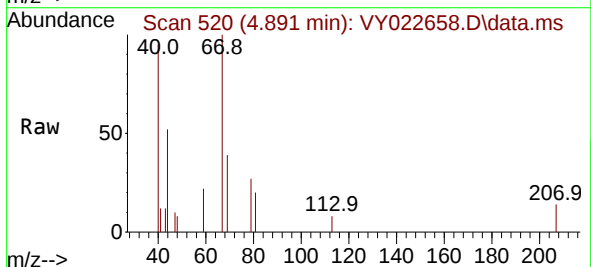
Instrument :
MSVOA_Y
ClientSampleId :
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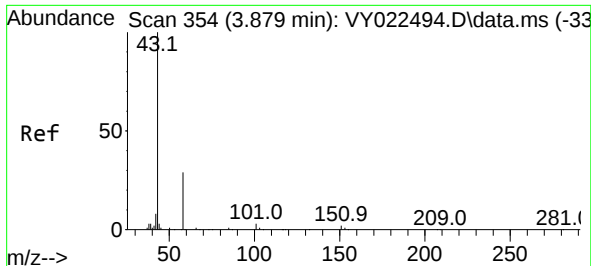
Tgt Ion: 94 Resp: 7431
Ion Ratio Lower Upper
94 100
96 79.2 74.0 111.0



#11
Tert butyl alcohol
Concen: 1.114 ug/l
RT: 4.891 min Scan# 520
Delta R.T. 0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

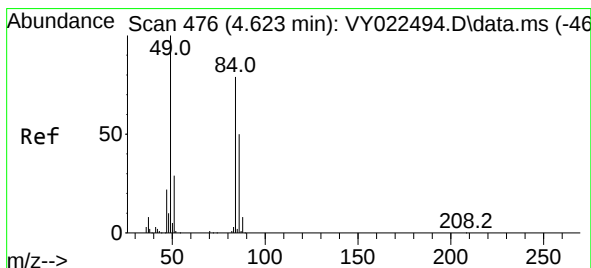
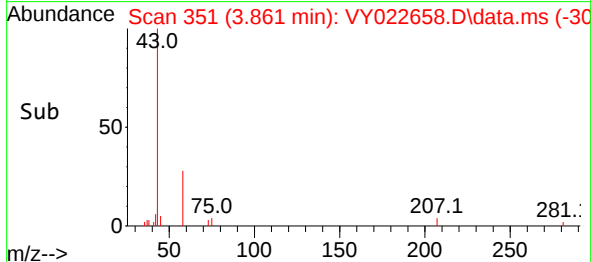
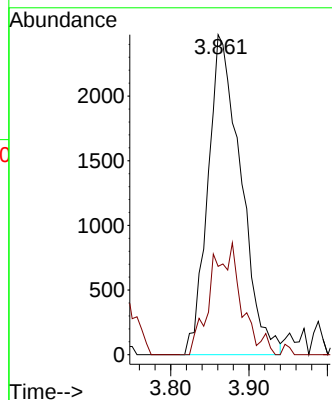
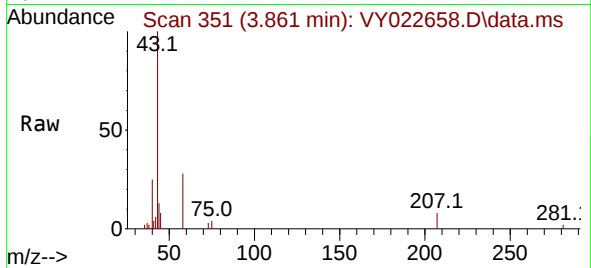




#16
Acetone
Concen: 15.152 ug/l
RT: 3.861 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

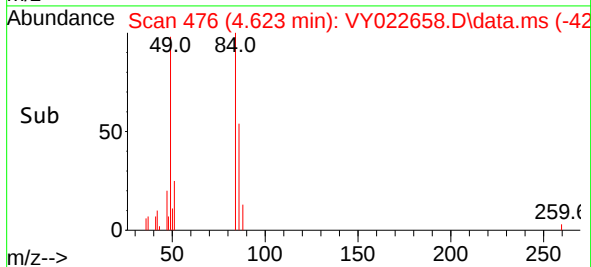
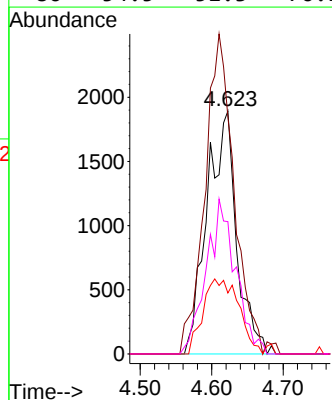
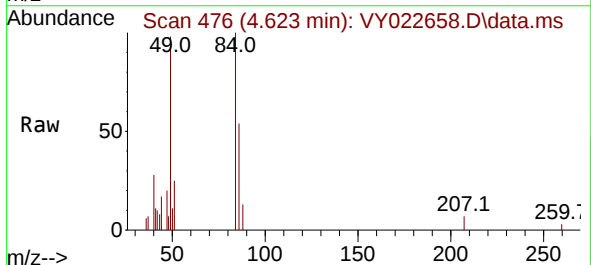
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

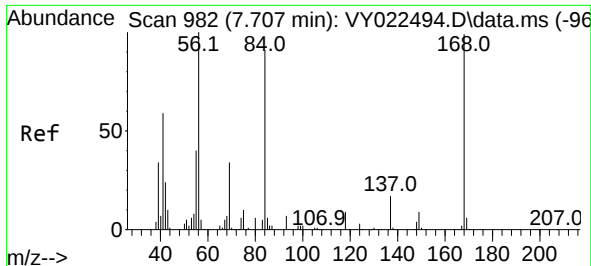
Tgt Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 27.6 24.0 36.0



#20
Methylene Chloride
Concen: 2.008 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 84 Resp: 5442
Ion Ratio Lower Upper
84 100
49 97.6 101.9 152.9#
51 25.1 29.8 44.8#
86 54.5 51.3 76.9

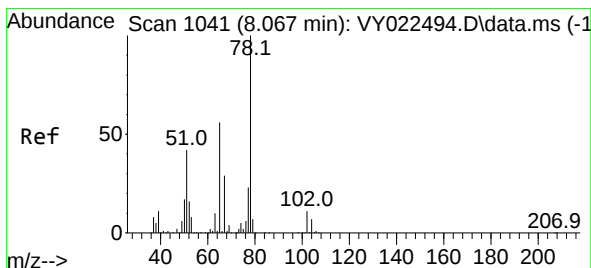
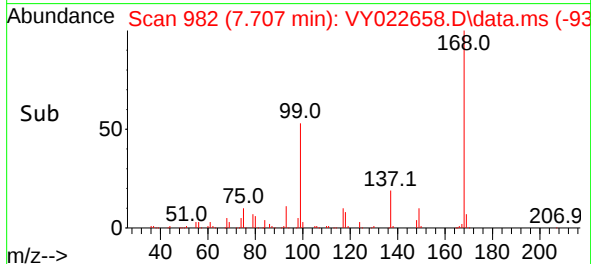
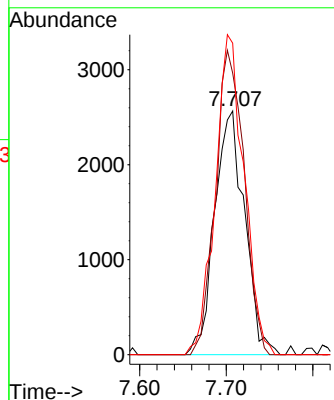
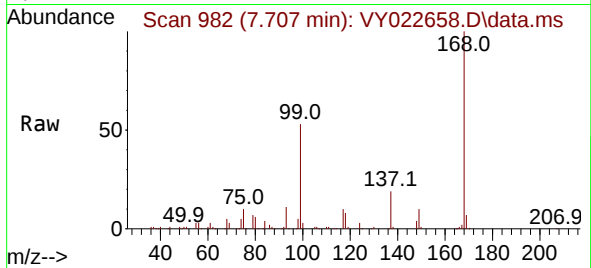




#31
Cyclohexane
Concen: 1.371 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

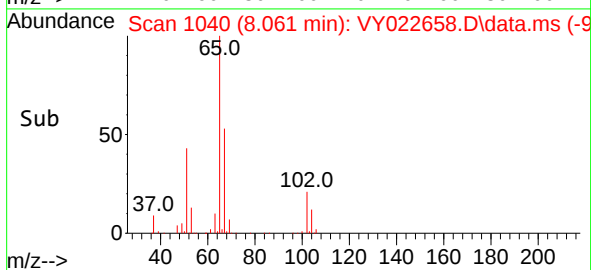
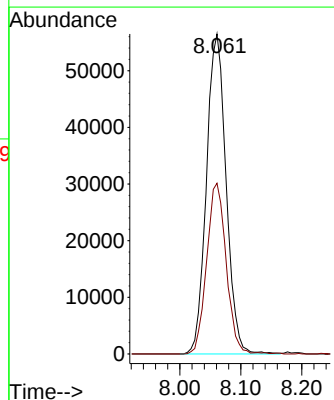
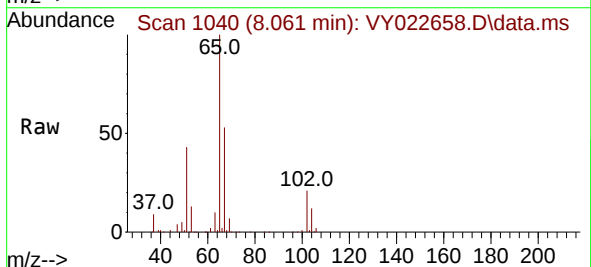
Instrument :
MSVOA_Y
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BP-VPB-182-GW-780-782

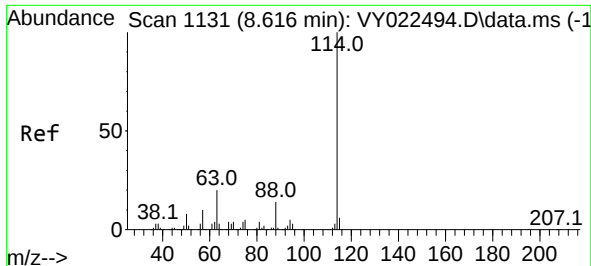
Tgt Ion: 56 Resp: 6189
Ion Ratio Lower Upper
56 100
69 115.5 27.0 40.6#
84 127.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.959 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 65 Resp: 126766
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

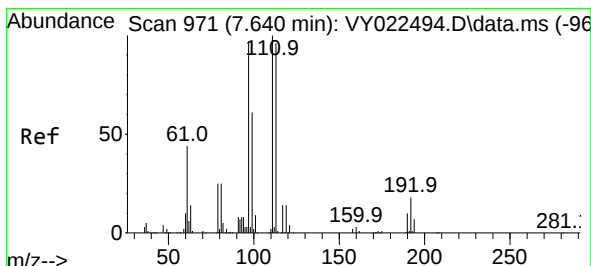
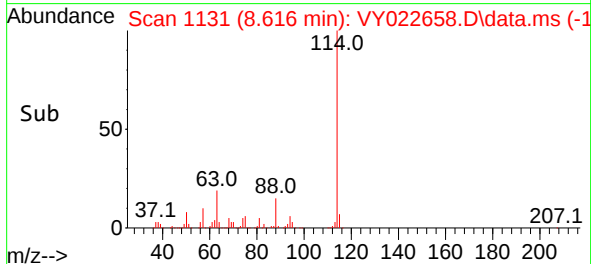
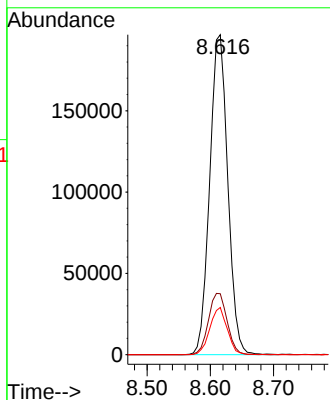
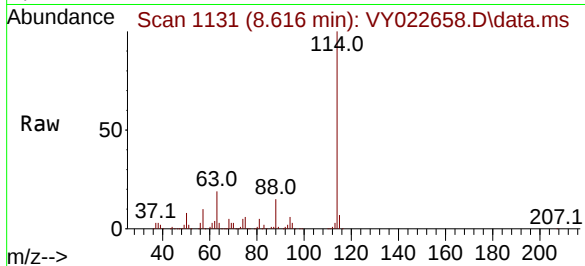




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY022658.D
 Acq: 11 Jun 2025 12:48

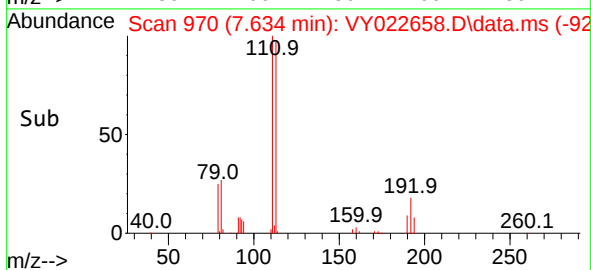
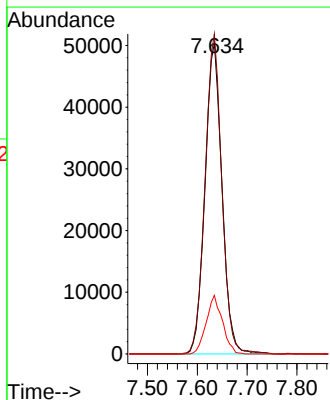
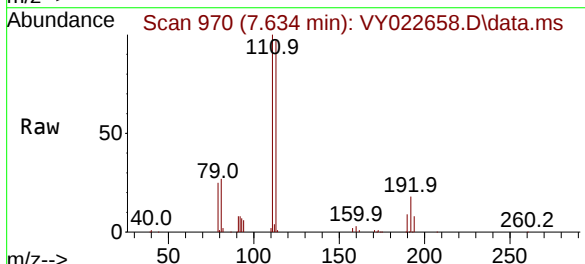
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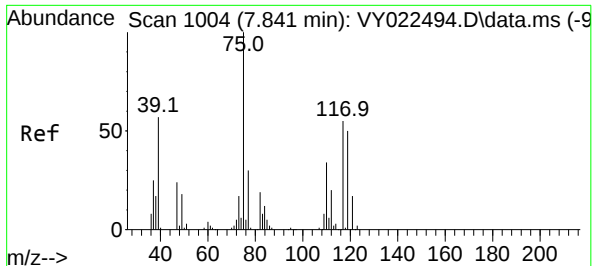
Tgt Ion:114 Resp: 390122
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.8
 88 14.8 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.128 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. -0.006 min
 Lab File: VY022658.D
 Acq: 11 Jun 2025 12:48

Tgt Ion:113 Resp: 119054
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 18.0 14.2 21.2

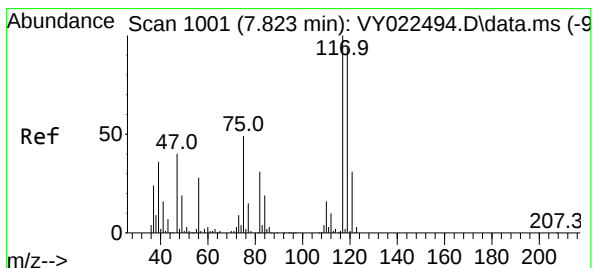
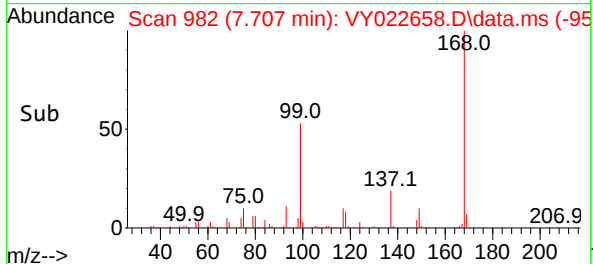
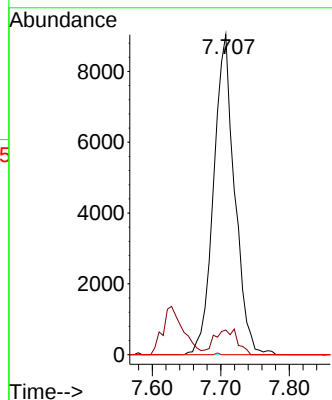
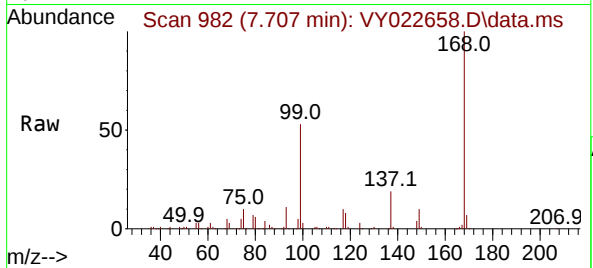




#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

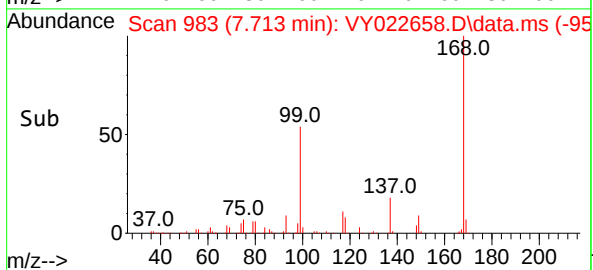
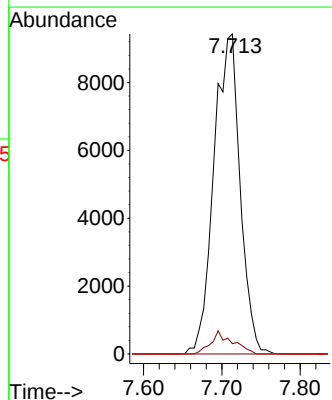
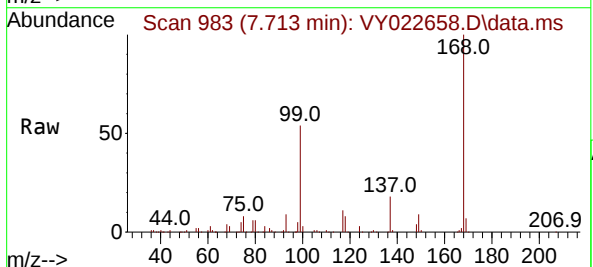
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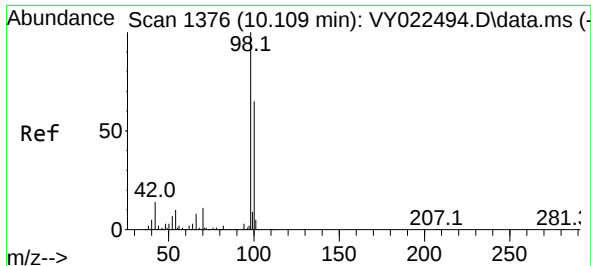
Tgt Ion: 75 Resp: 19209
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 117 Resp: 21916
Ion Ratio Lower Upper
117 100
119 3.2 75.0 112.6#
121 0.0 25.0 37.4#

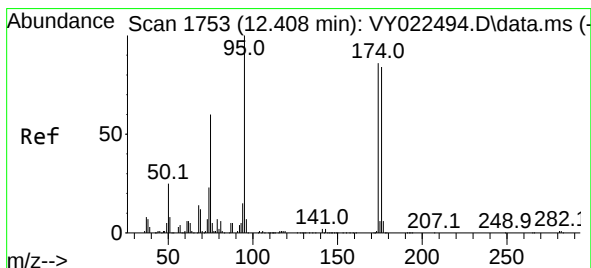
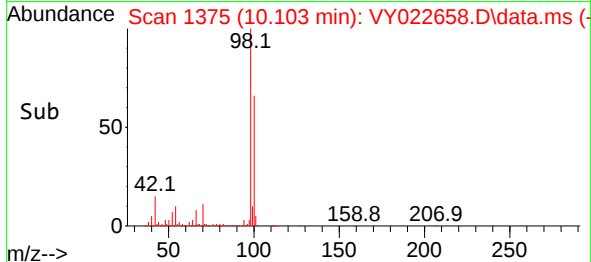
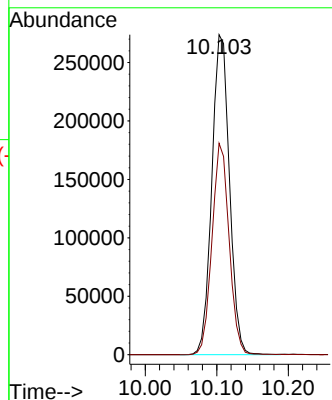
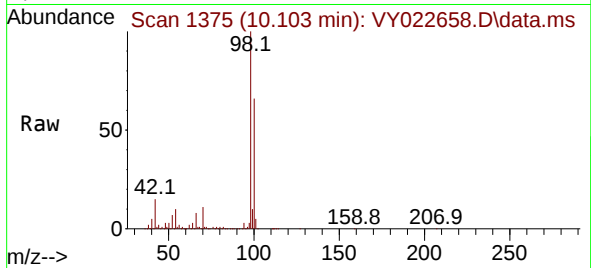




#50
Toluene-d8
Concen: 49.749 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

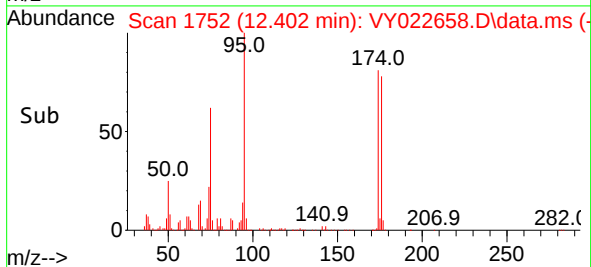
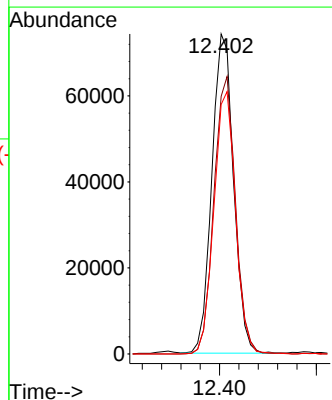
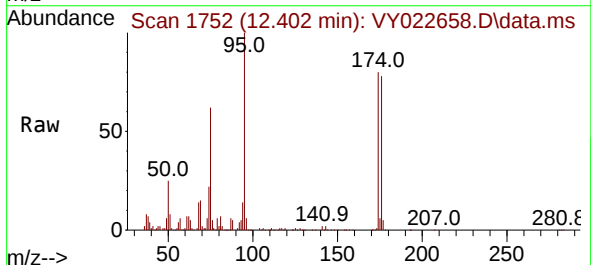
Instrument :
MSVOA_Y
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BP-VPB-182-GW-780-782

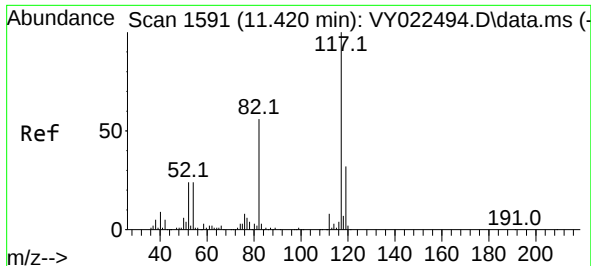
Tgt Ion: 98 Resp: 468077
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.216 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion: 95 Resp: 115544
Ion Ratio Lower Upper
95 100
174 86.4 0.0 170.0
176 82.3 0.0 166.2

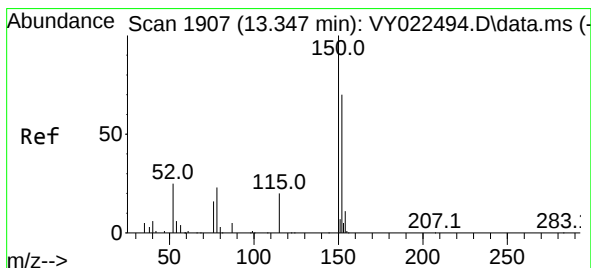
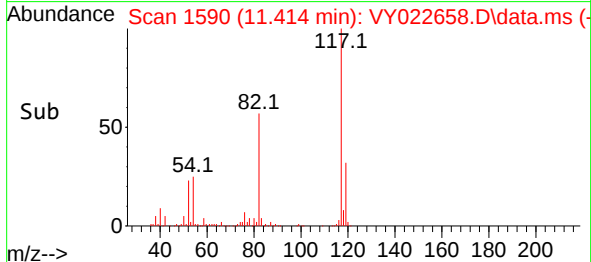
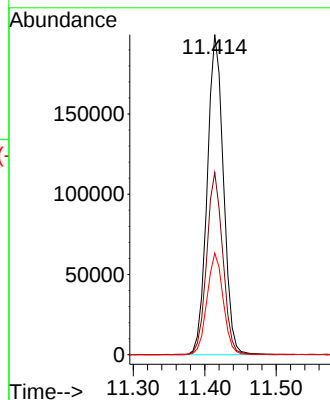
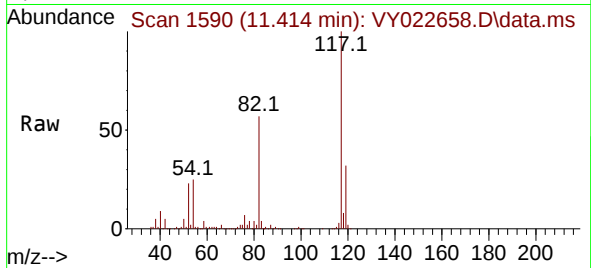




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

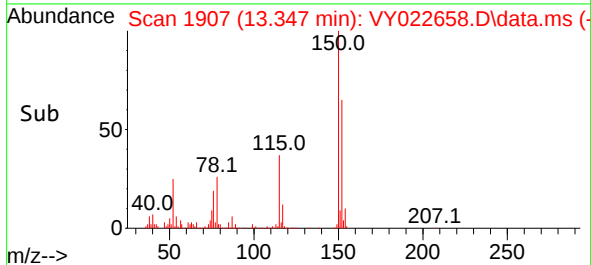
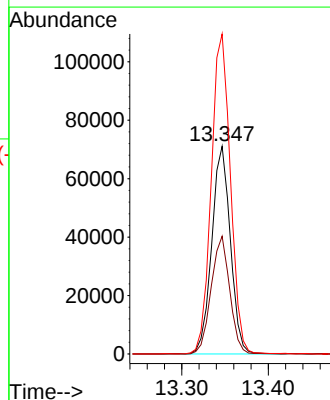
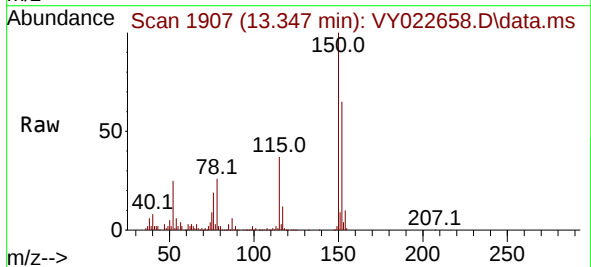
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-780-782

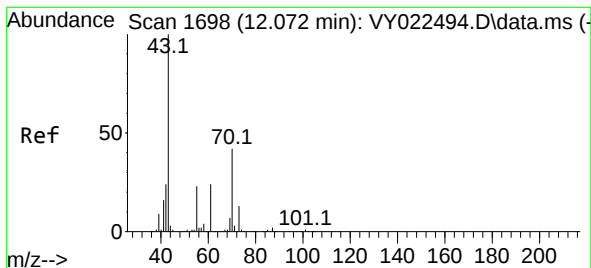
Tgt Ion:117 Resp: 315222
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022658.D
Acq: 11 Jun 2025 12:48

Tgt Ion:152 Resp: 106070
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 158.4 0.0 349.6





#74

N-amy1 acetate

Concen: 1.071 ug/l

RT: 12.054 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY022658.D

Acq: 11 Jun 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-780-782

Tgt Ion: 43 Resp: 2354

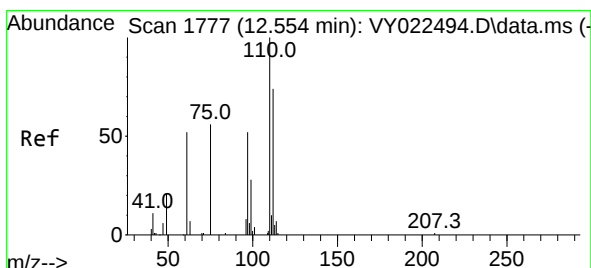
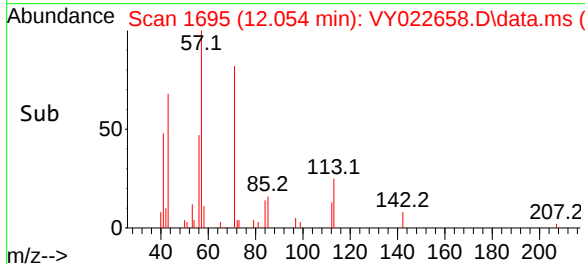
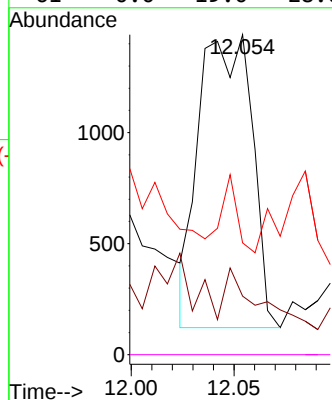
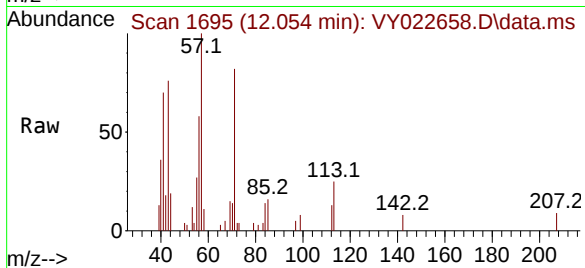
Ion Ratio Lower Upper

43 100

70 13.3 34.2 51.2#

55 0.0 18.2 27.4#

61 0.0 19.0 28.6#



#76

1,2,3-Trichloropropane

Concen: 57.957 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022658.D

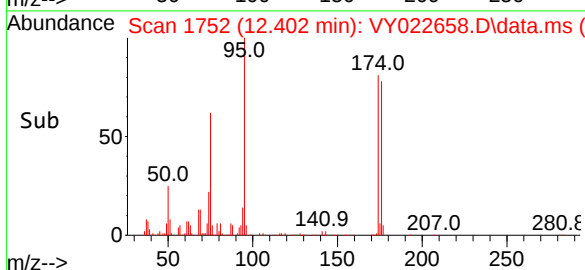
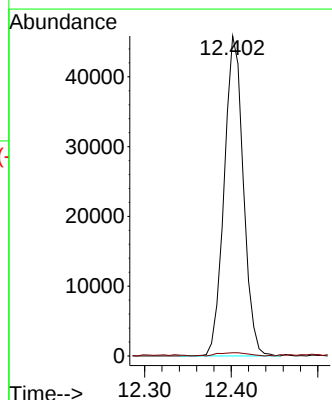
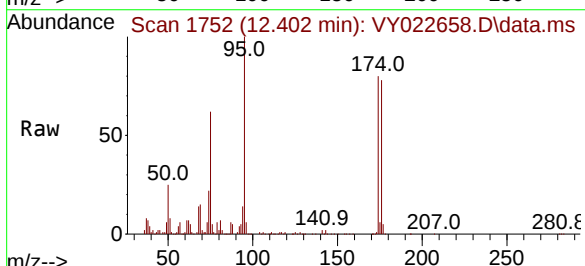
Acq: 11 Jun 2025 12:48

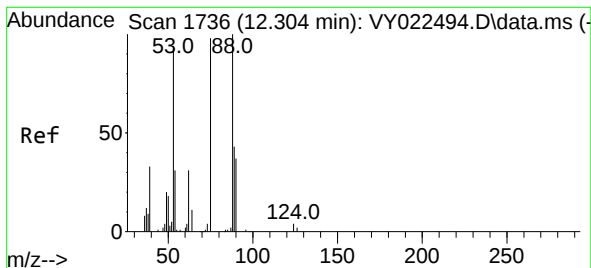
Tgt Ion: 75 Resp: 70330

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 139.963 ug/l

RT: 12.402 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY022658.D

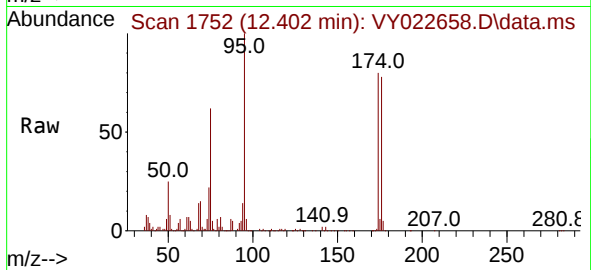
Acq: 11 Jun 2025 12:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-780-782



Tgt Ion: 75 Resp: 70330

Ion Ratio Lower Upper

75 100

53 1.0 78.5 117.7#

89 0.0 35.7 53.5#

