

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022917.D
 Acq On : 02 Jul 2025 17:07
 Operator : SY/MD
 Sample : Q2473-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIT#1

Quant Time: Jul 03 02:25:17 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)

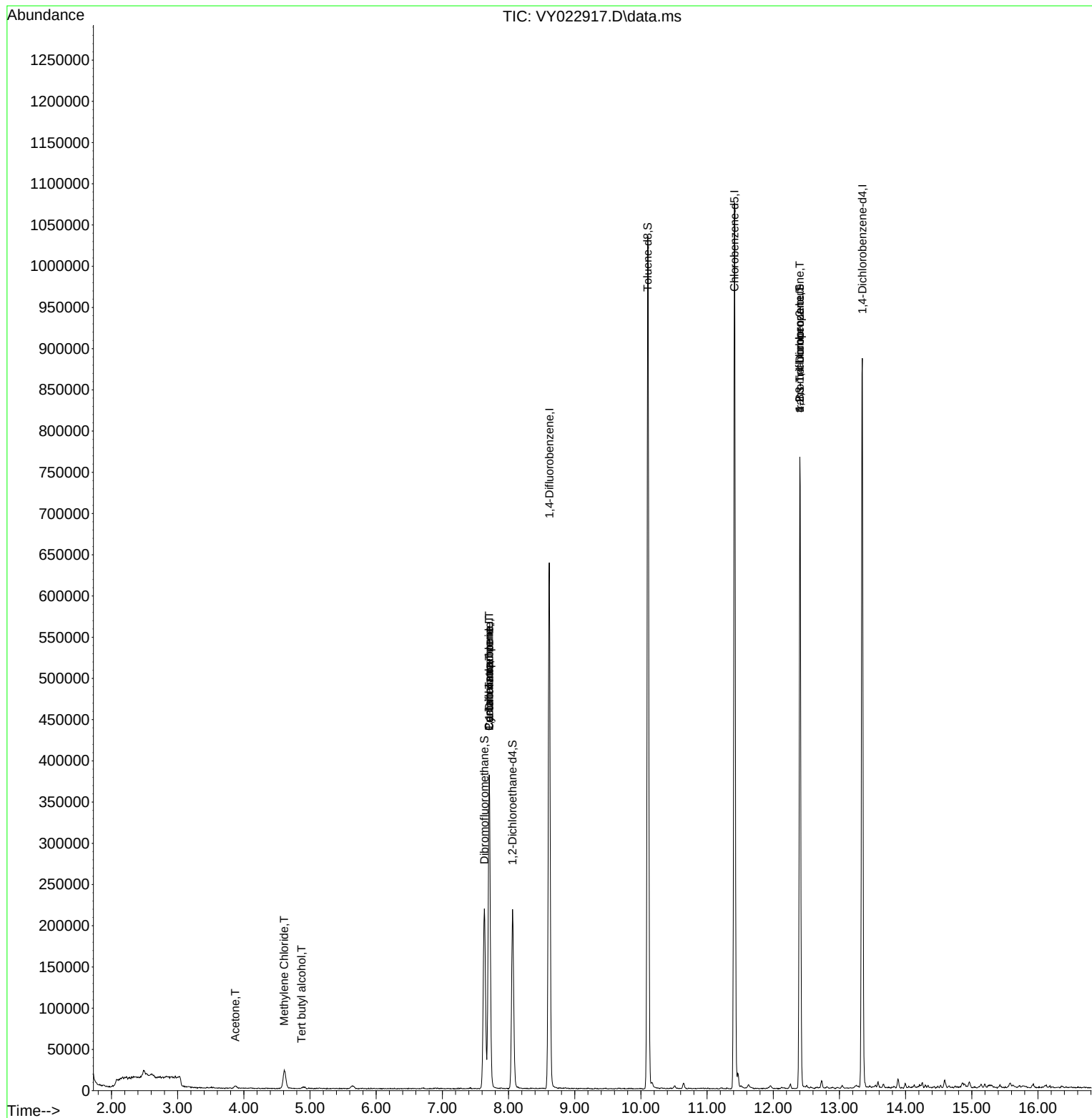
Internal Standards						
1) Pentafluorobenzene	7.707	168	279065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	534952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	530195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171013	54.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.820%	
35) Dibromofluoromethane	7.634	113	156029	47.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.920%	
50) Toluene-d8	10.103	98	665393	51.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.080%	
62) 4-Bromofluorobenzene	12.401	95	222511	53.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	252	1.217	ug/l #	73
16) Acetone	3.872	43	4826	8.198	ug/l	98
20) Methylene Chloride	4.610	84	15834	4.259	ug/l #	91
31) Cyclohexane	7.707	56	7377	1.379	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	24035	4.874	ug/l #	52
38) Carbon Tetrachloride	7.707	117	27860	5.354	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	126768	57.474	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	126768	145.201	ug/l #	10

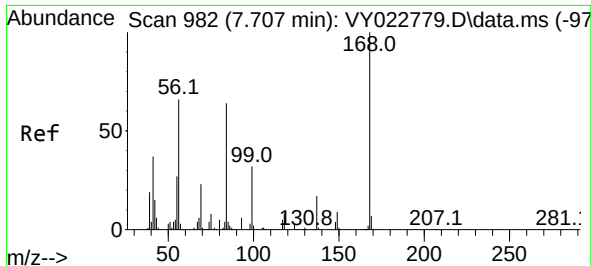
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

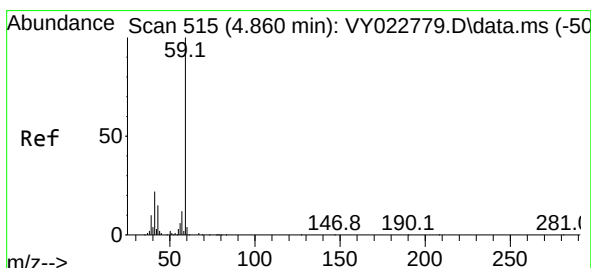
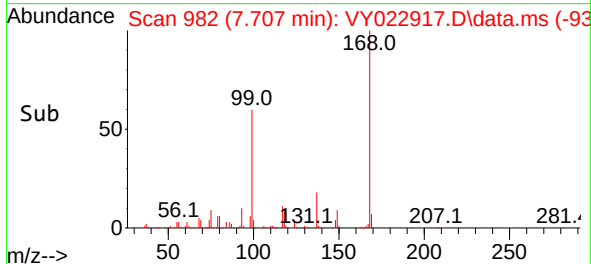
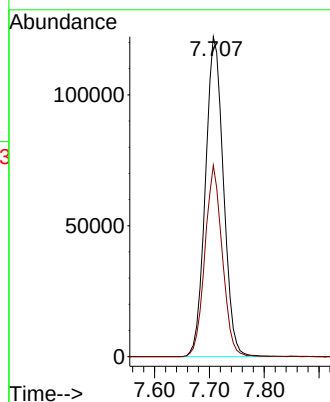
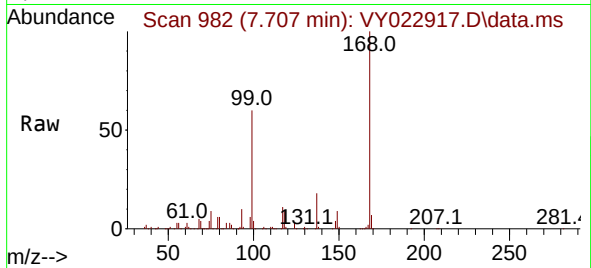




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

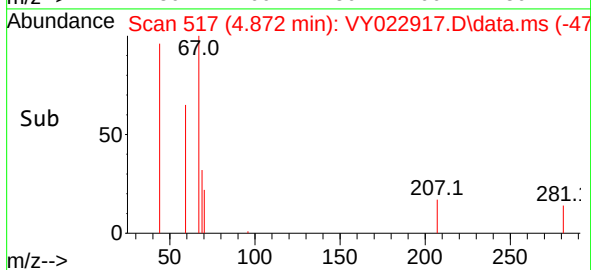
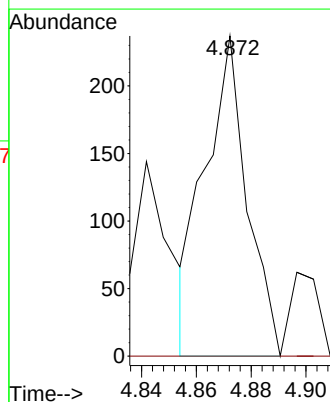
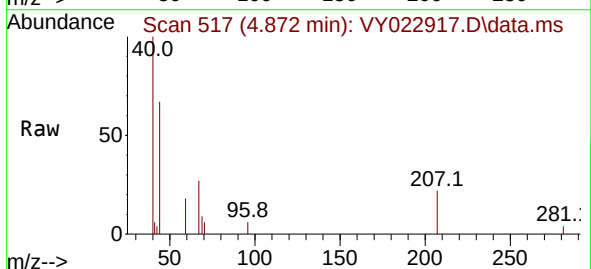
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

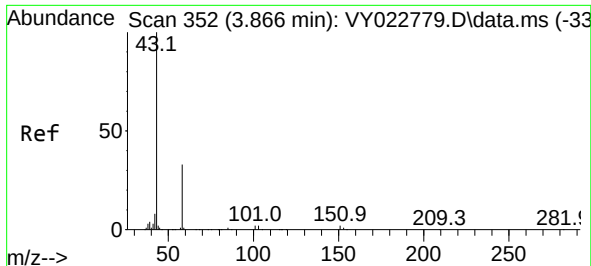
Tgt Ion:168 Resp: 279065
Ion Ratio Lower Upper
168 100
99 59.8 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.217 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

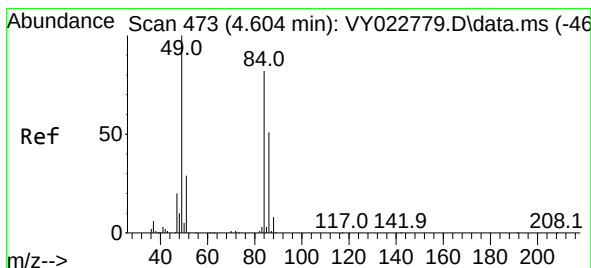
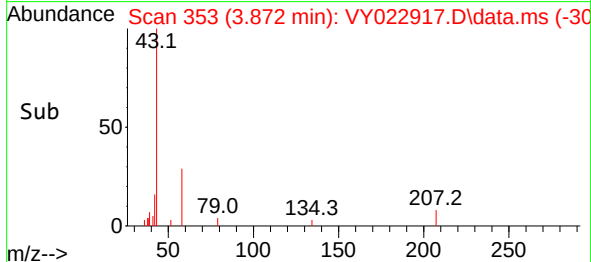
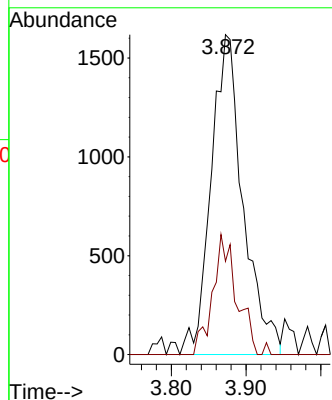
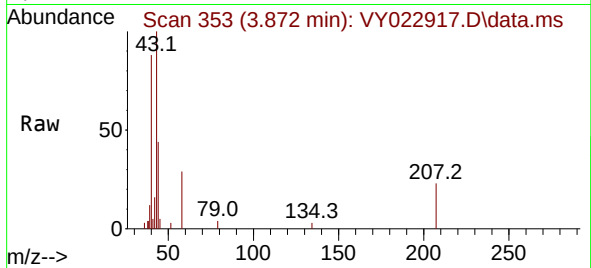




#16
Acetone
Concen: 8.198 ug/l
RT: 3.872 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

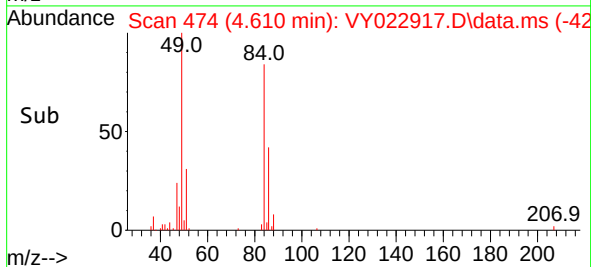
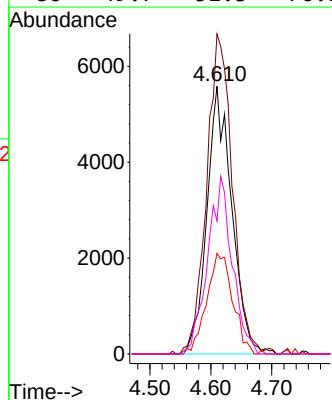
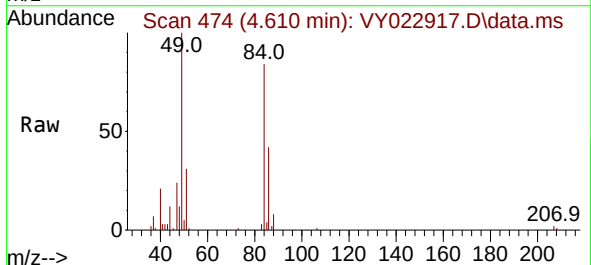
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

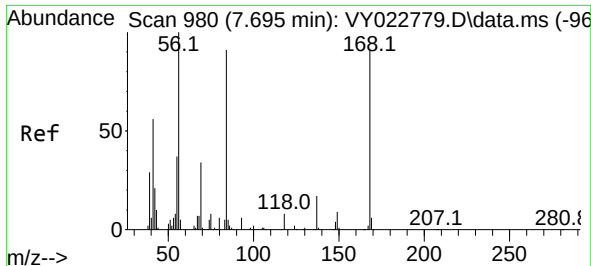
Tgt Ion: 43 Resp: 4826
Ion Ratio Lower Upper
43 100
58 29.2 24.0 36.0



#20
Methylene Chloride
Concen: 4.259 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 84 Resp: 15834
Ion Ratio Lower Upper
84 100
49 119.6 101.9 152.9
51 37.5 29.8 44.8
86 49.7 51.3 76.9#

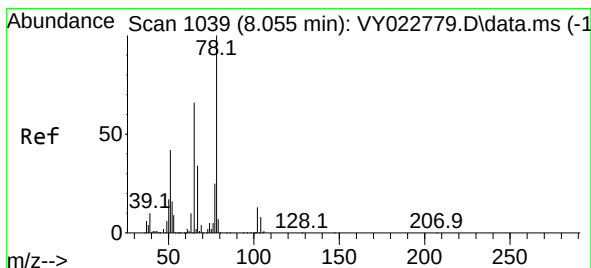
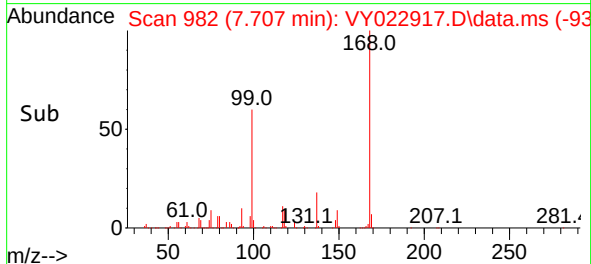
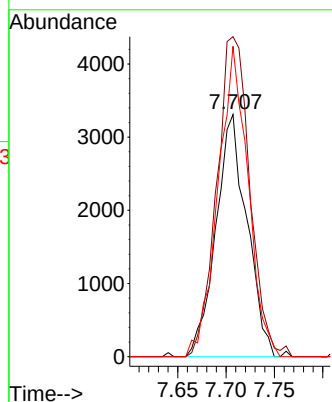
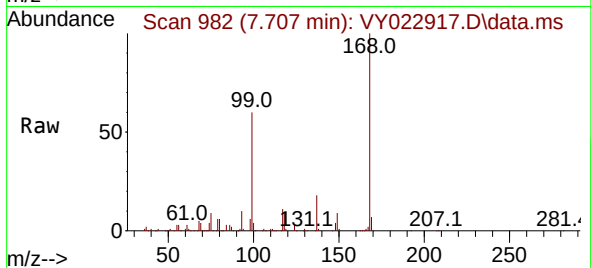




#31
Cyclohexane
Concen: 1.379 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

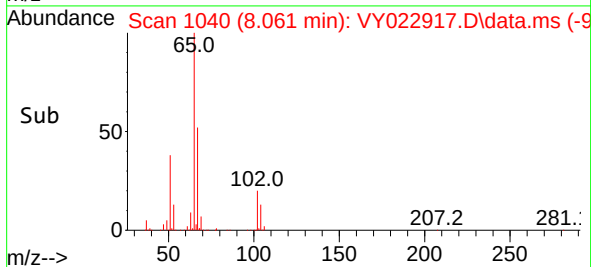
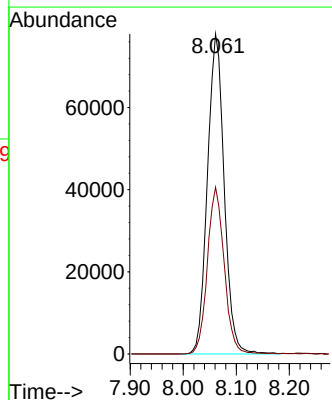
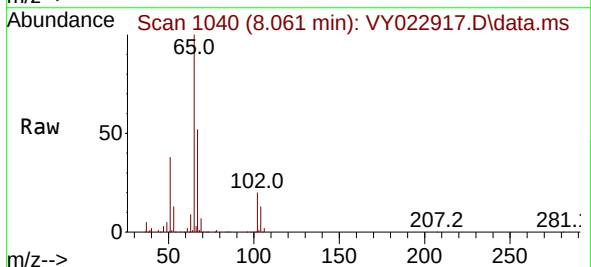
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

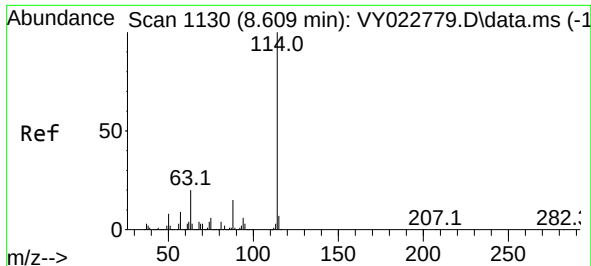
Tgt Ion: 56 Resp: 7377
Ion Ratio Lower Upper
56 100
69 132.1 27.0 40.6#
84 128.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 54.906 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 65 Resp: 171013
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

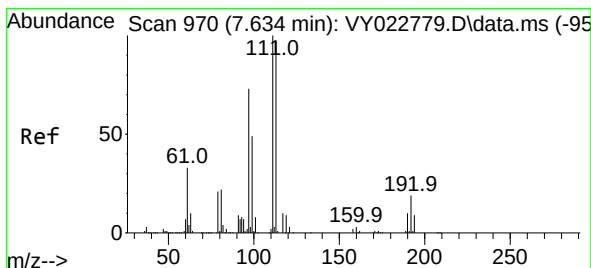
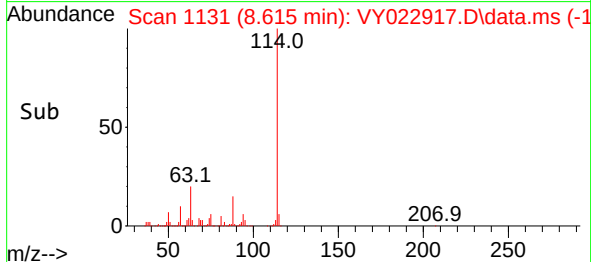
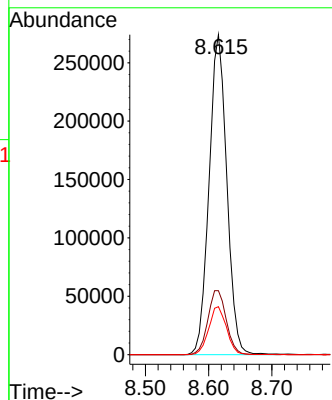
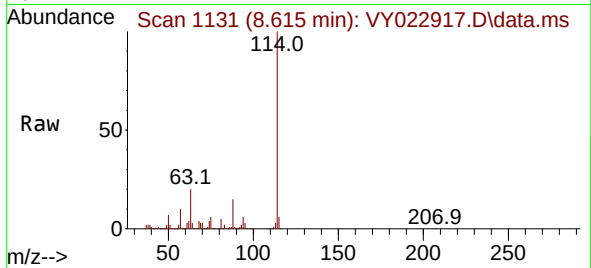




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

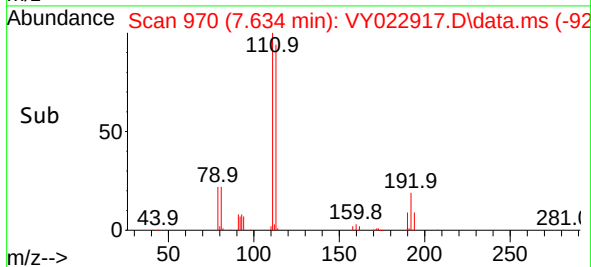
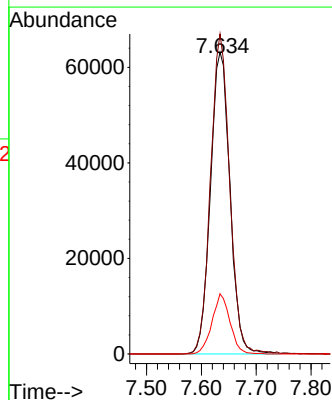
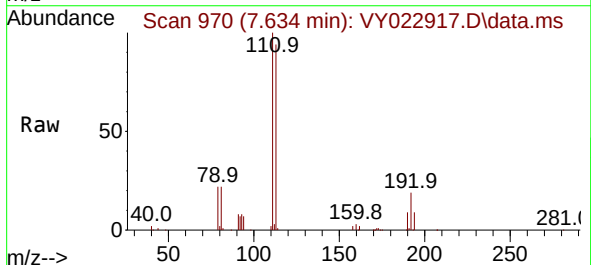
Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

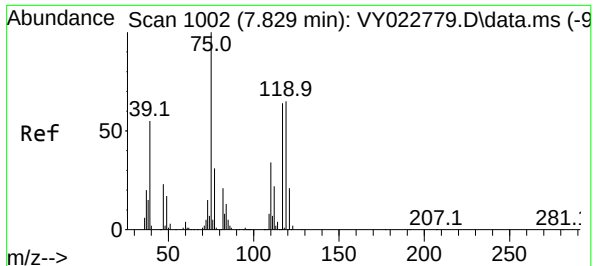
Tgt Ion:114 Resp: 534952
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 15.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 47.960 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion:113 Resp: 156029
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 18.3 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022917.D

Acq: 02 Jul 2025 17:07

Instrument :

MSVOA_Y

ClientSampleId :

PIT#1

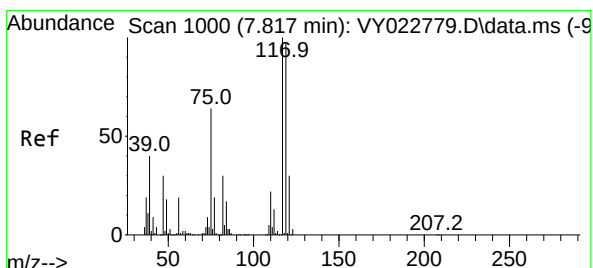
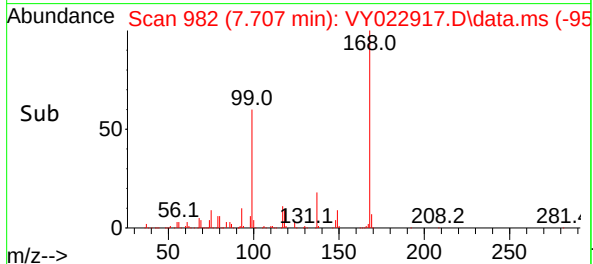
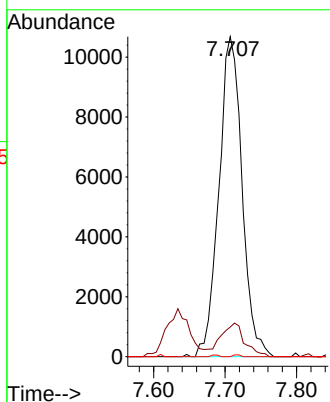
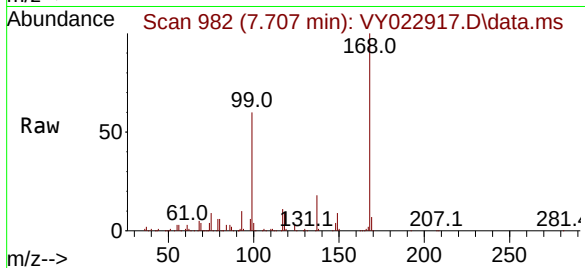
Tgt Ion: 75 Resp: 24035

Ion Ratio Lower Upper

75 100

110 11.1 16.9 50.7#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.354 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022917.D

Acq: 02 Jul 2025 17:07

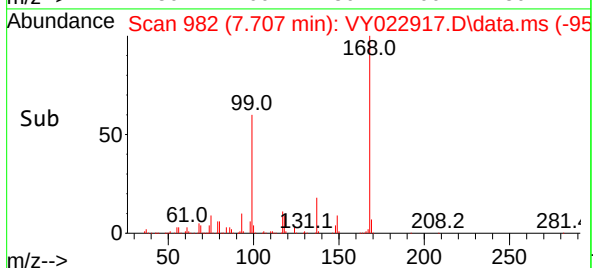
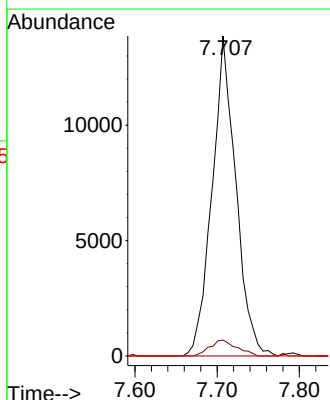
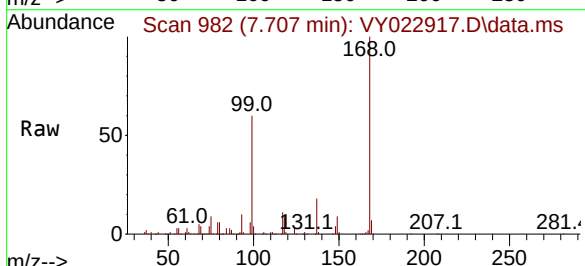
Tgt Ion: 117 Resp: 27860

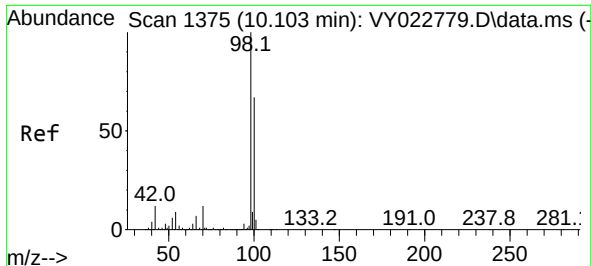
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#

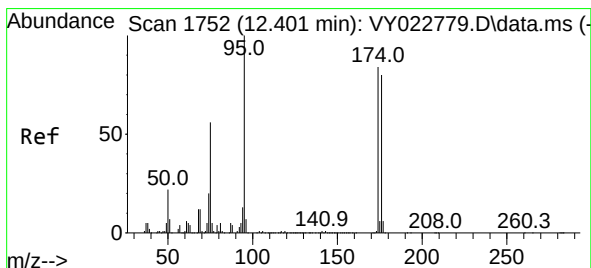
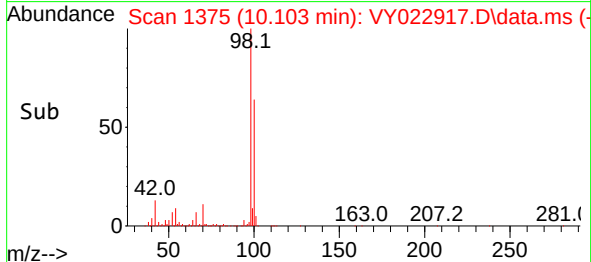
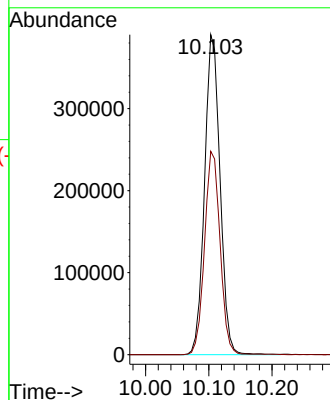
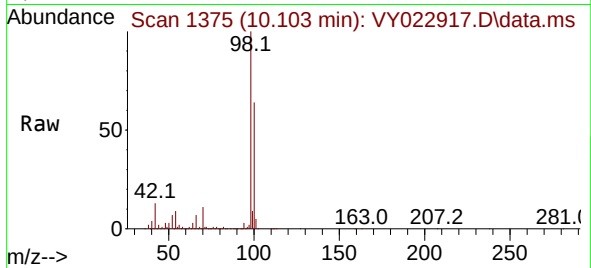




#50
Toluene-d8
Concen: 51.542 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

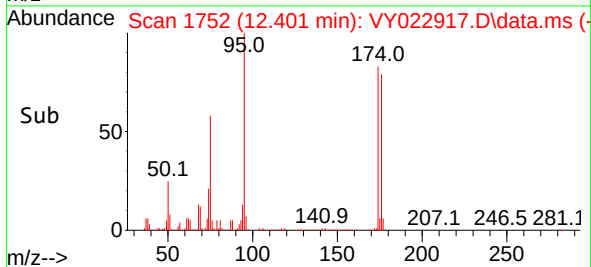
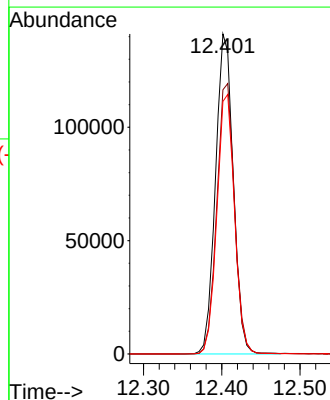
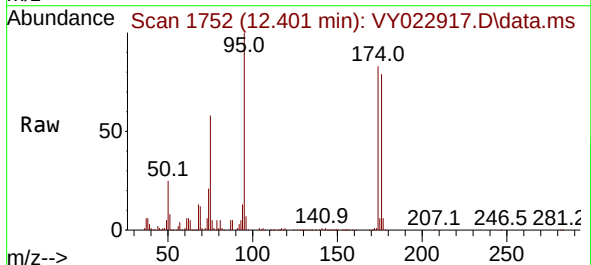
Instrument :
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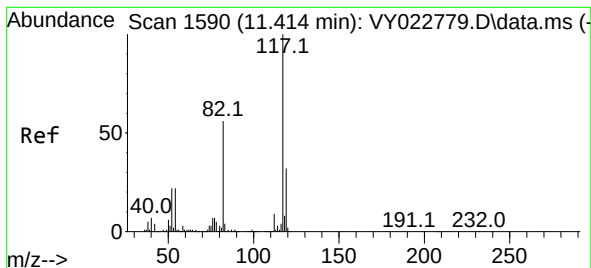
Tgt Ion: 98 Resp: 665393
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.617 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 95 Resp: 222511
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 80.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022917.D

Acq: 02 Jul 2025 17:07

Instrument :

MSVOA_Y

ClientSampleId :

PIT#1

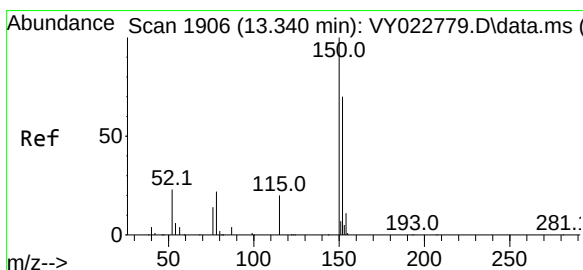
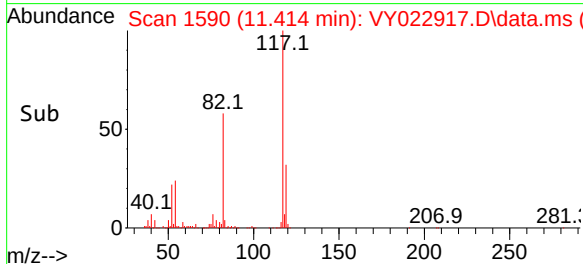
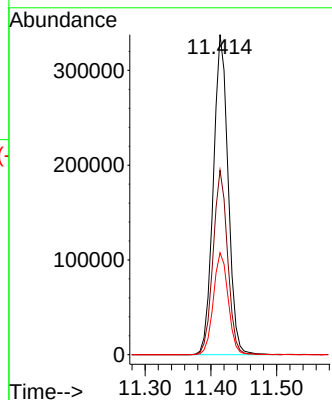
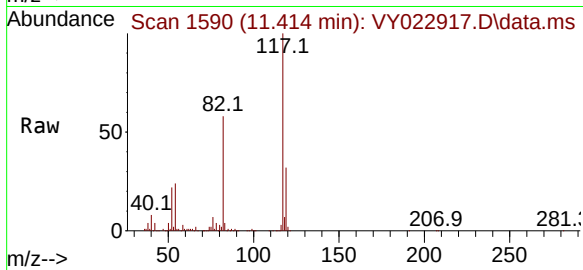
Tgt Ion:117 Resp: 530195

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 31.9 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: VY022917.D

Acq: 02 Jul 2025 17:07

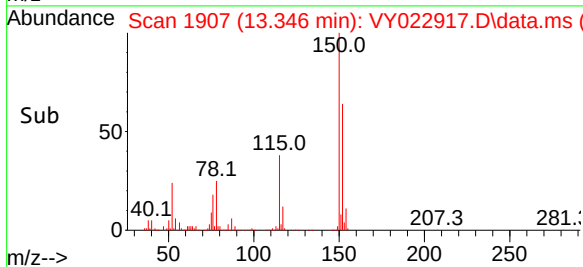
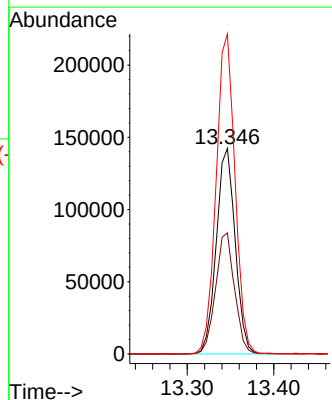
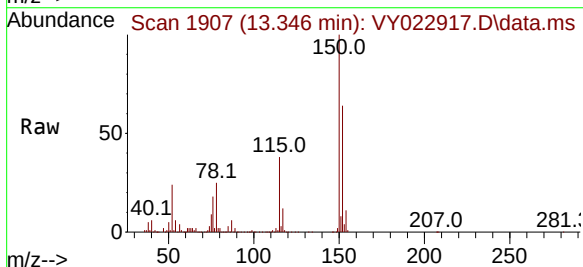
Tgt Ion:152 Resp: 216048

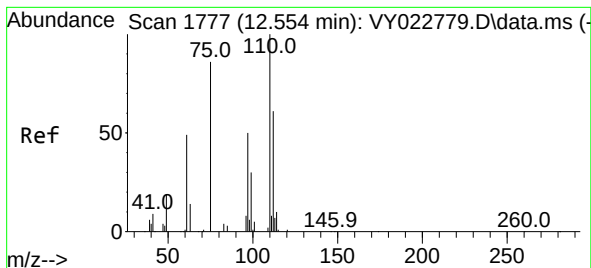
Ion Ratio Lower Upper

152 100

115 59.4 28.9 86.7

150 155.4 0.0 349.6

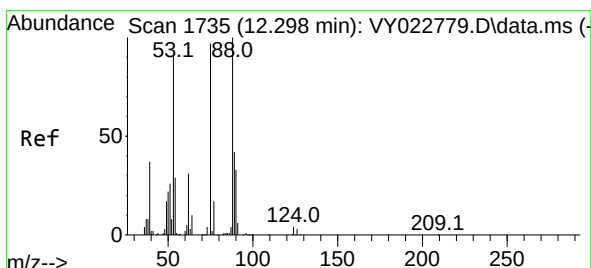
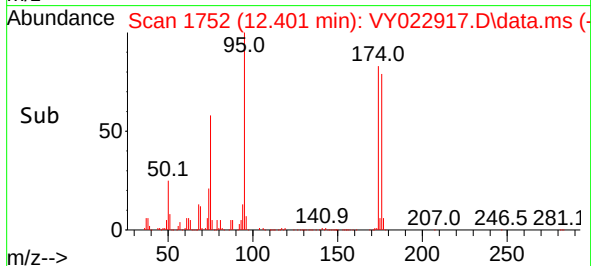
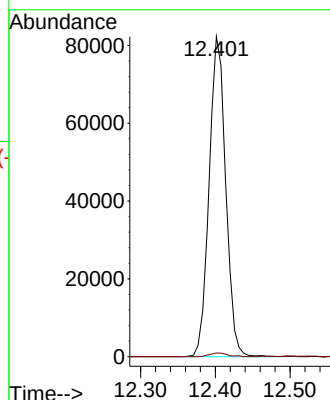
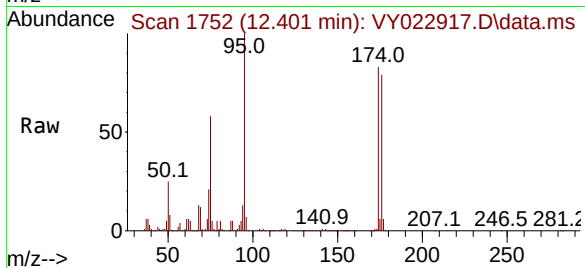




#76
1,2,3-Trichloropropane
Concen: 57.474 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Instrument :
MSVOA_Y
ClientSampleId :
PIT#1

Tgt Ion: 75 Resp: 126768
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.201 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022917.D
Acq: 02 Jul 2025 17:07

Tgt Ion: 75 Resp: 126768
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

