

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022966.D
 Acq On : 07 Jul 2025 17:32
 Operator : SY/MD
 Sample : Q2480-01
 Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX1

Quant Time: Jul 08 01:50:46 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)

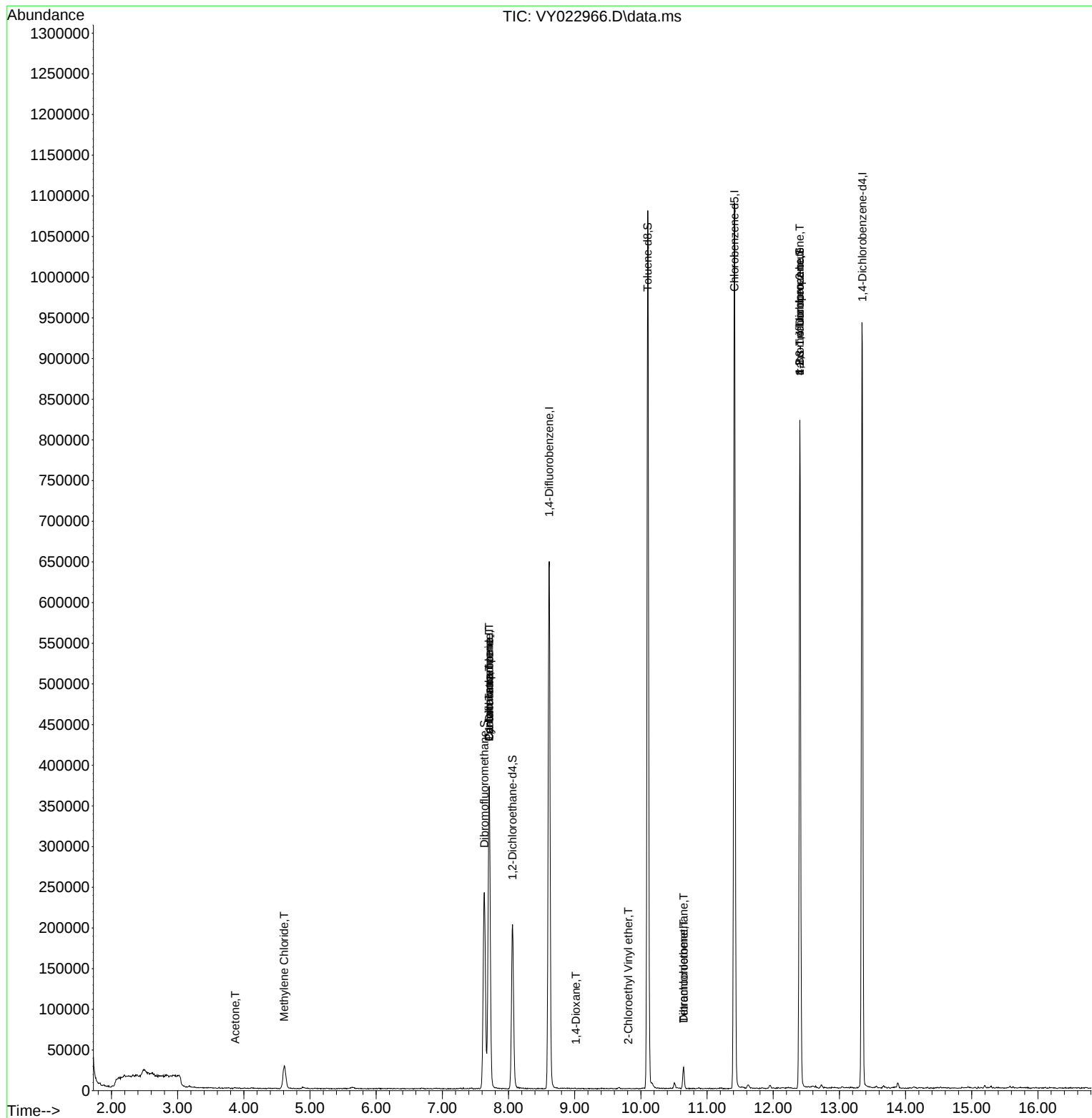
Internal Standards						
1) Pentafluorobenzene	7.707	168	283156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	548345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161054	50.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.920%	
35) Dibromofluoromethane	7.634	113	173156	51.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.840%	
50) Toluene-d8	10.103	98	691713	52.272	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.401	95	236638	55.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.260%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1151	1.927	ug/l #	67
20) Methylene Chloride	4.610	84	20787	5.511	ug/l	99
31) Cyclohexane	7.707	56	7144	1.316	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	24302	4.808	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29403	5.513	ug/l #	17
49) 1,4-Dioxane	9.018	88	34	1.394	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.810	63	48	15.679	ug/l #	48
60) Dibromochloromethane	10.646	129	4292	1.243	ug/l #	10
64) Tetrachloroethene	10.646	164	5353	1.024	ug/l	94
76) 1,2,3-Trichloropropane	12.401	75	132066	56.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	132066	141.545	ug/l #	11

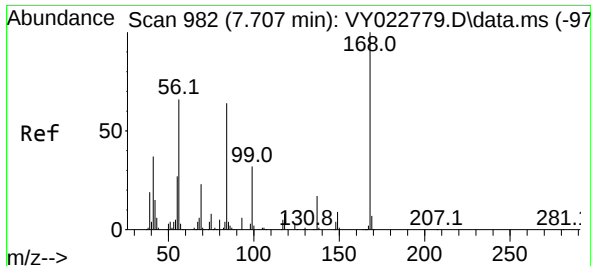
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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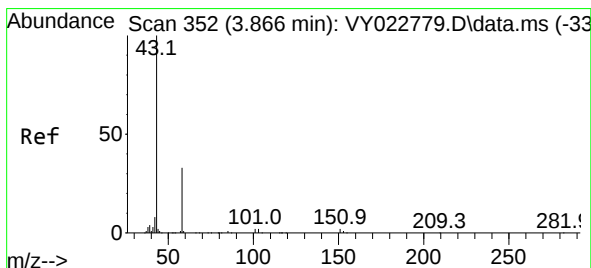
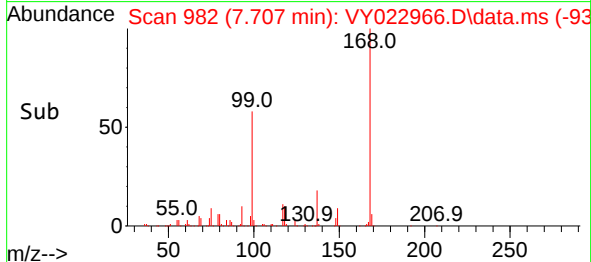
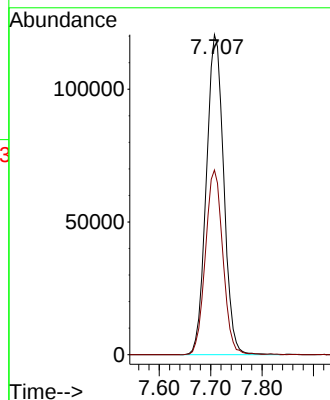
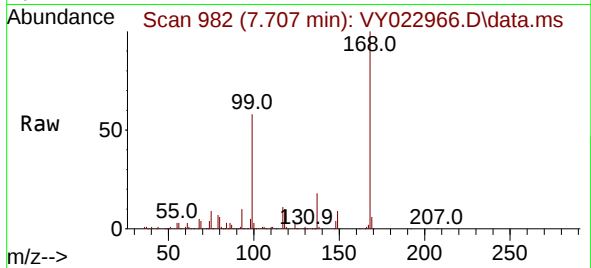




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

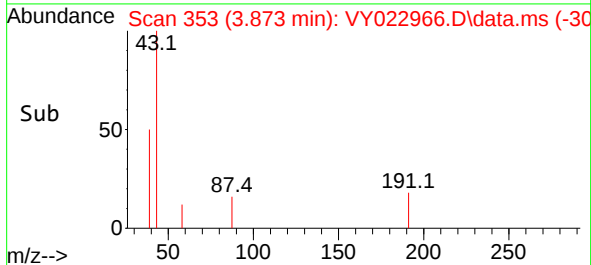
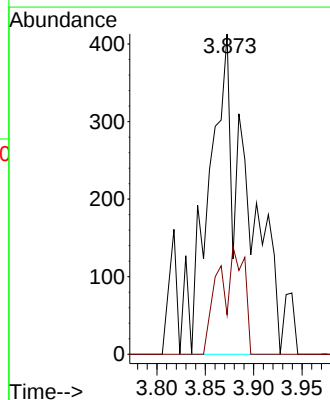
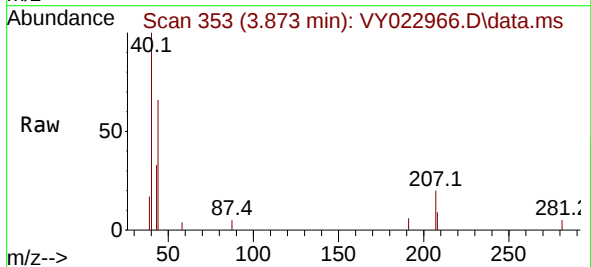
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

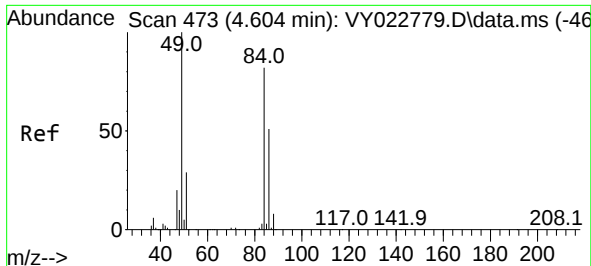
Tgt Ion:168 Resp: 283156
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#16
Acetone
Concen: 1.927 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 12.3 24.0 36.0#

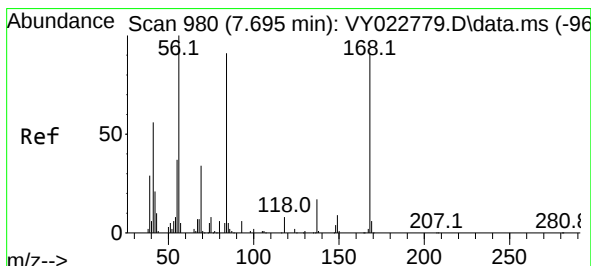
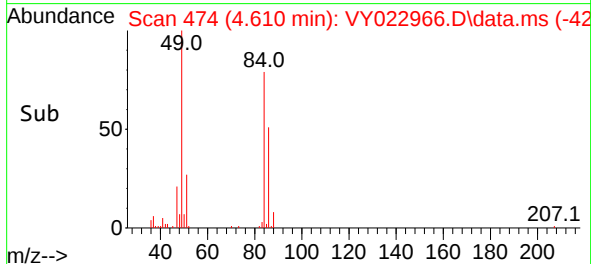
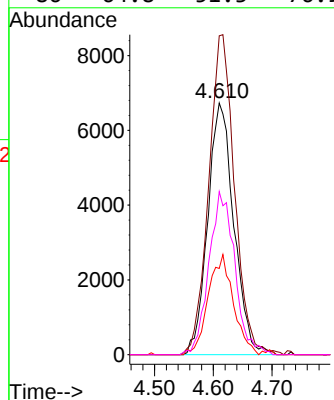
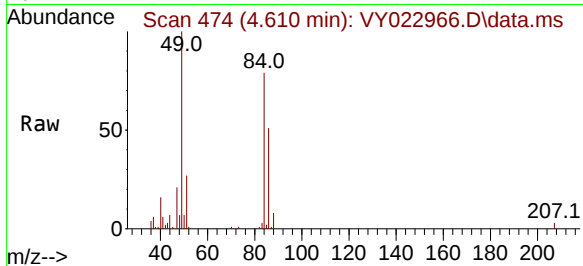




#20
Methylene Chloride
Concen: 5.511 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

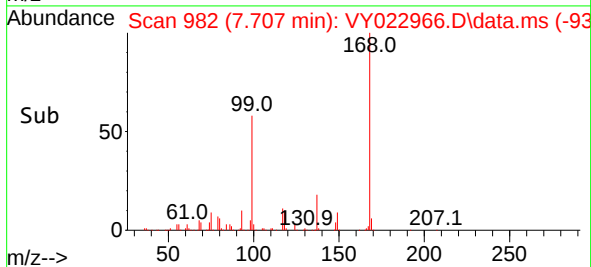
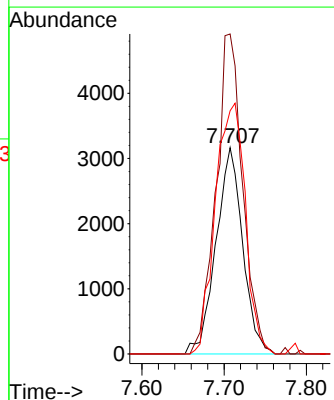
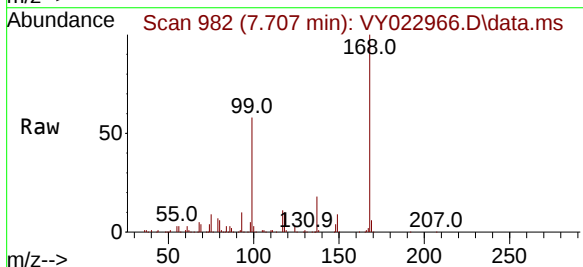
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

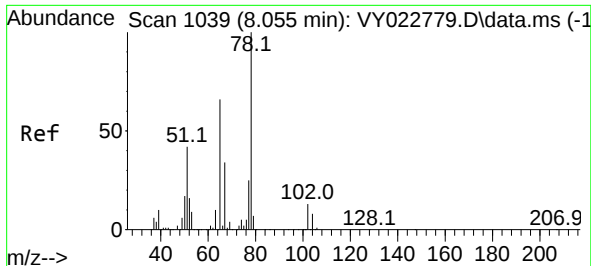
Tgt Ion:	84	Resp:	20787
Ion	Ratio	Lower	Upper
84	100		
49	126.7	101.9	152.9
51	34.3	29.8	44.8
86	64.8	51.3	76.9



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion:	56	Resp:	7144
Ion	Ratio	Lower	Upper
56	100		
69	155.2	27.0	40.6#
84	117.9	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.961 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

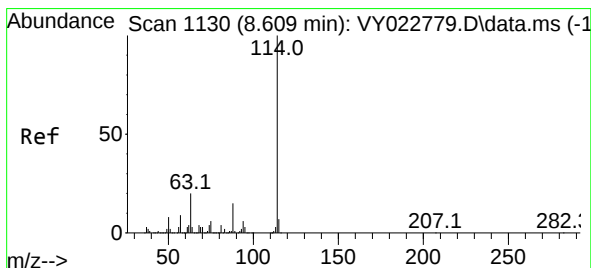
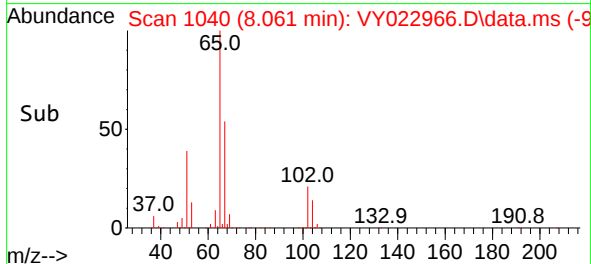
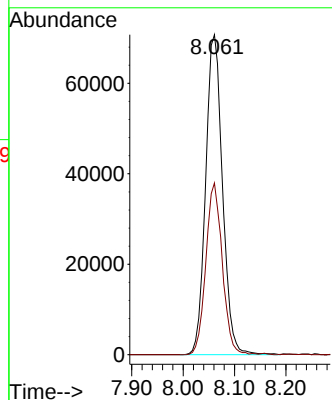
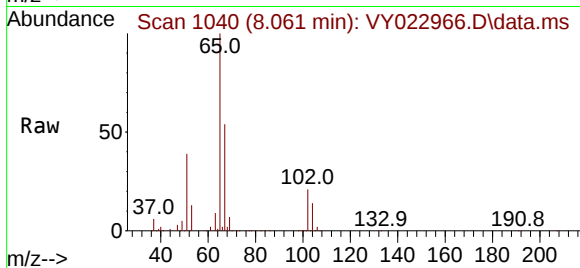
GPX1

Tgt Ion: 65 Resp: 161054

Ion Ratio Lower Upper

65 100

67 52.3 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: VY022966.D

Acq: 07 Jul 2025 17:32

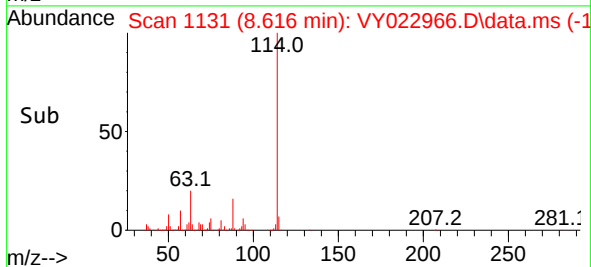
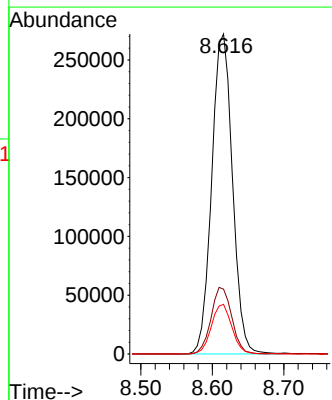
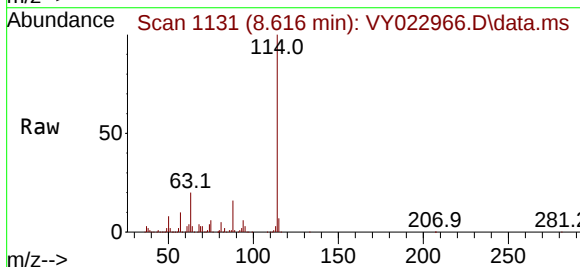
Tgt Ion: 114 Resp: 548345

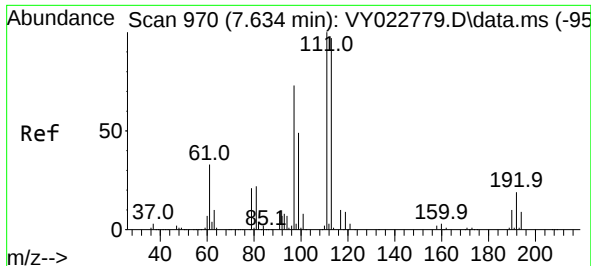
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.5 0.0 27.8

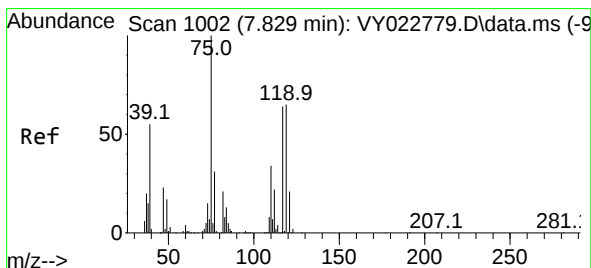
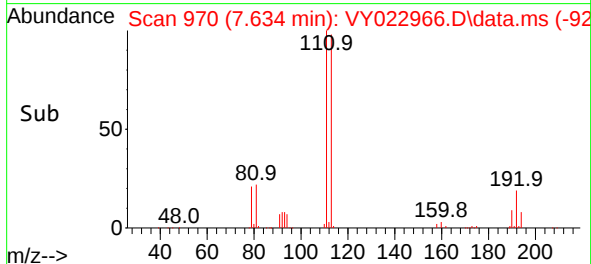
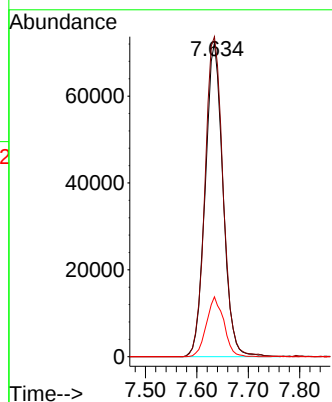
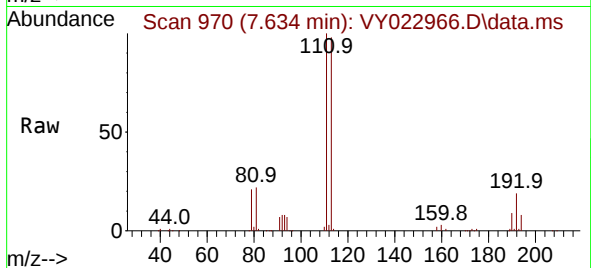




#35
Dibromofluoromethane
Concen: 51.924 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

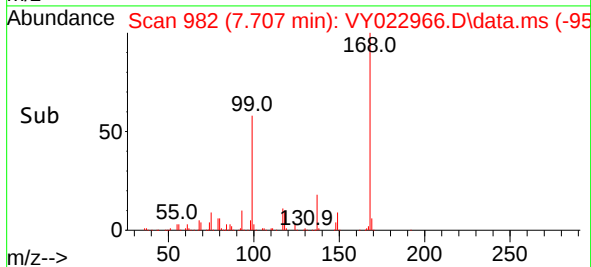
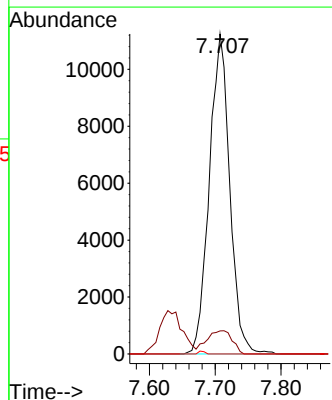
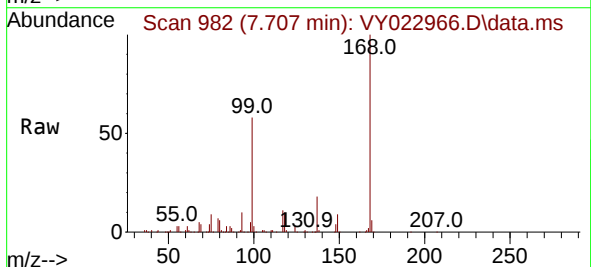
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

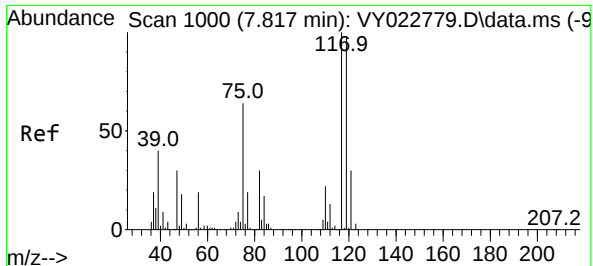
Tgt Ion:113 Resp: 173156
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 75 Resp: 24302
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 24.8 37.2#

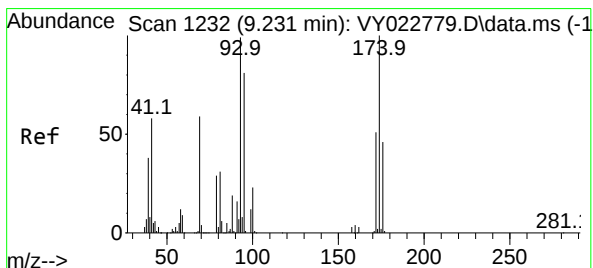
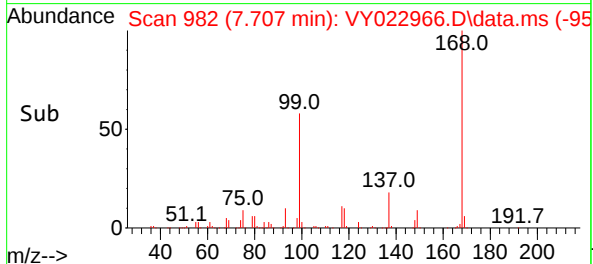
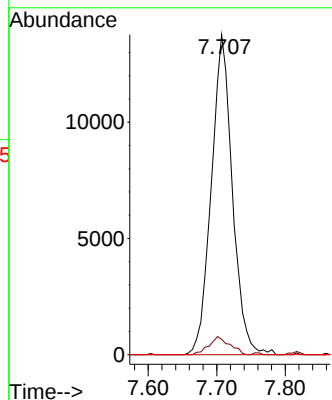
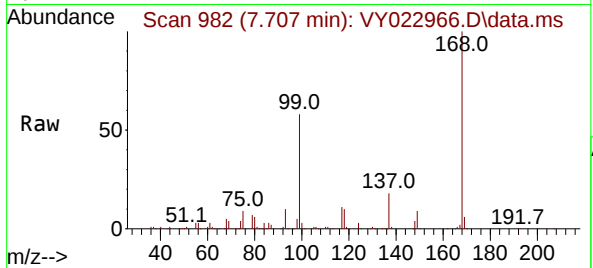




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

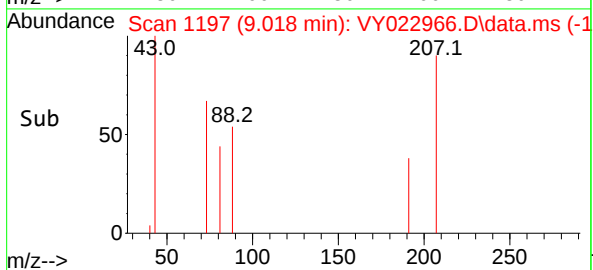
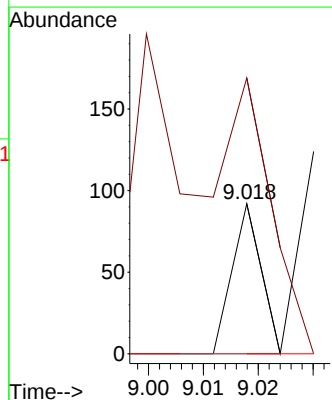
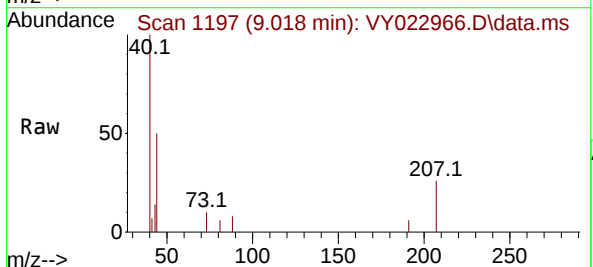
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

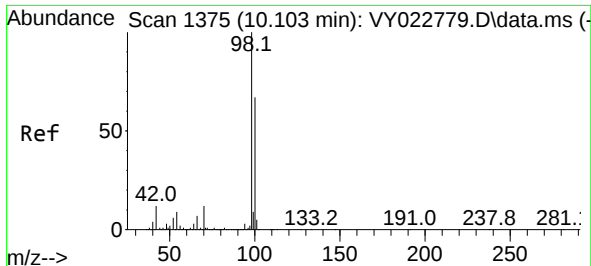
Tgt Ion:117 Resp: 29403
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.394 ug/l
RT: 9.018 min Scan# 1197
Delta R.T. -0.226 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 670.6 25.4 38.2#
58 0.0 54.9 82.3#

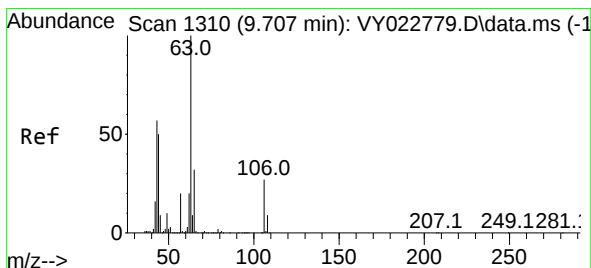
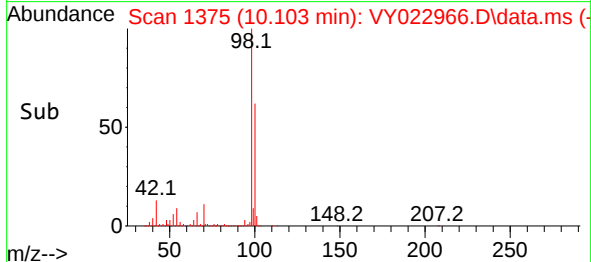
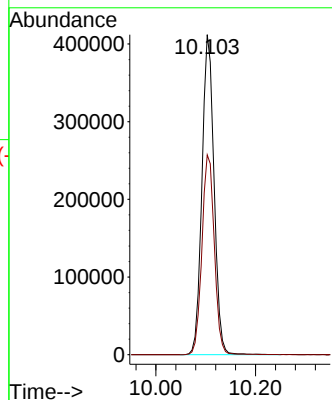
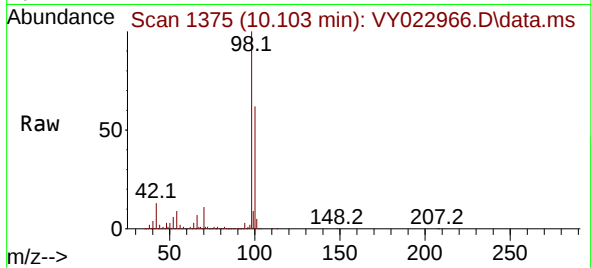




#50
Toluene-d8
Concen: 52.272 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

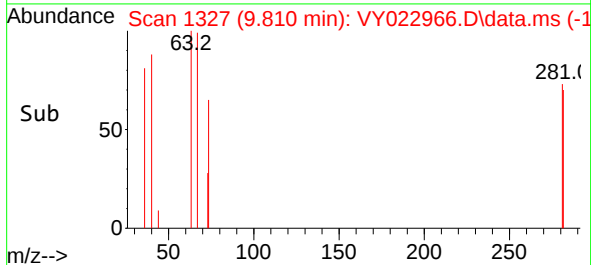
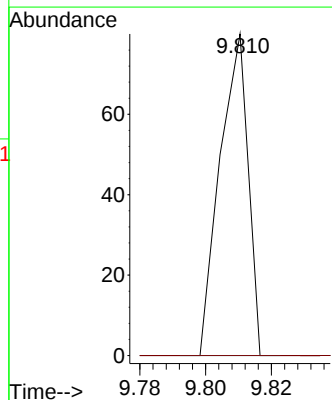
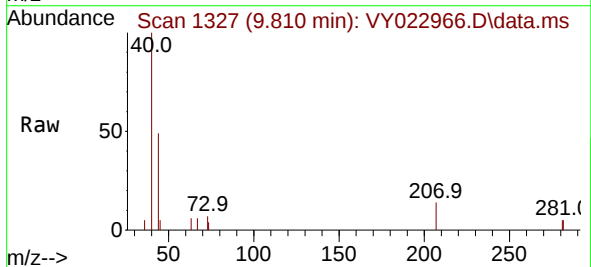
Instrument :
MSVOA_Y
ClientSampleId :
GPX1

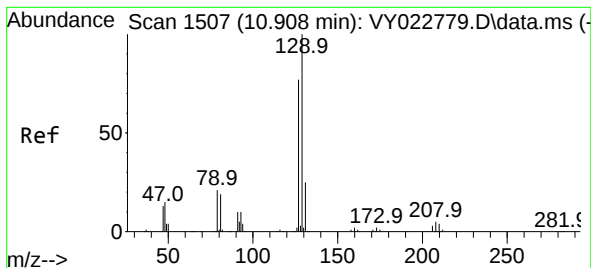
Tgt Ion: 98 Resp: 691713
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.679 ug/l
RT: 9.810 min Scan# 1327
Delta R.T. 0.097 min
Lab File: VY022966.D
Acq: 07 Jul 2025 17:32

Tgt Ion: 63 Resp: 48
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#





#60

Dibromochloromethane

Concen: 1.243 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.268 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

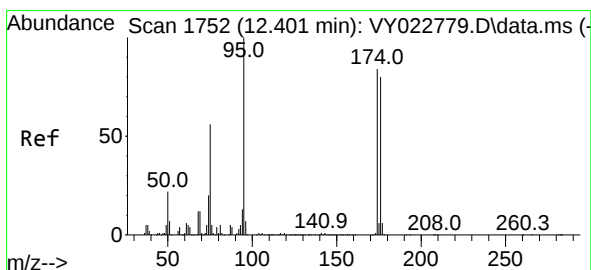
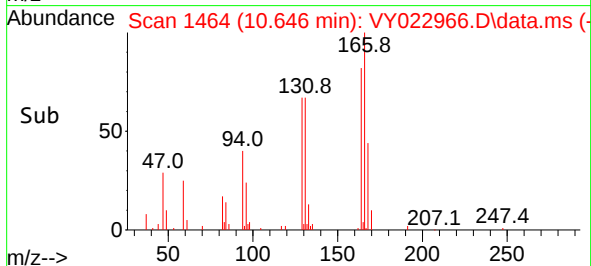
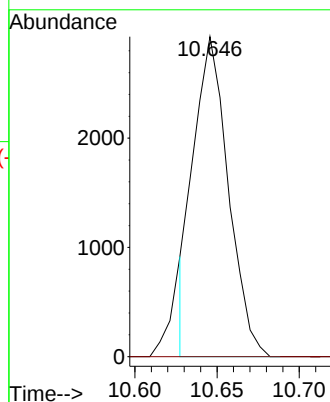
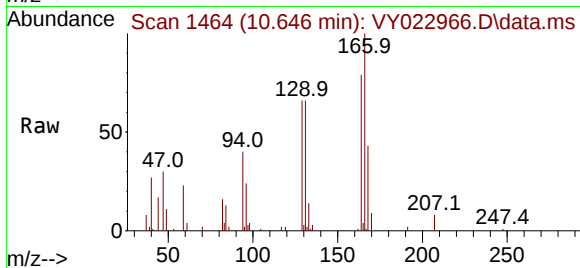
GPX1

Tgt Ion:129 Resp: 4292

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



#62

4-Bromofluorobenzene

Concen: 55.628 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

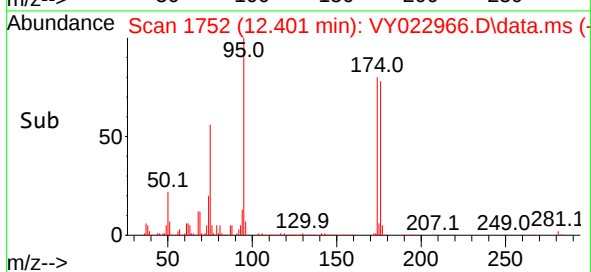
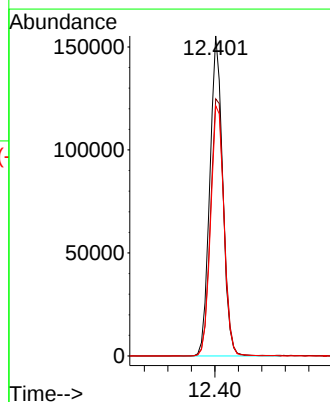
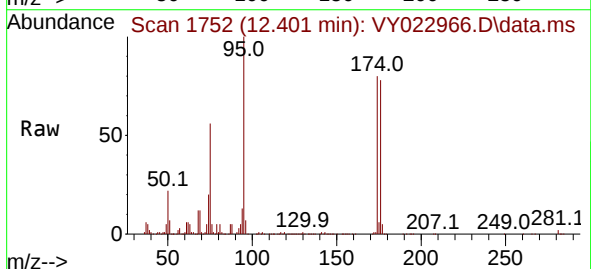
Tgt Ion: 95 Resp: 236638

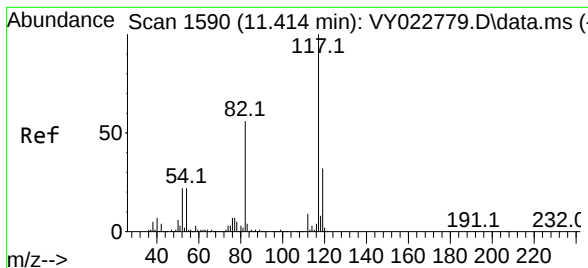
Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.0

176 80.8 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: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

GPX1

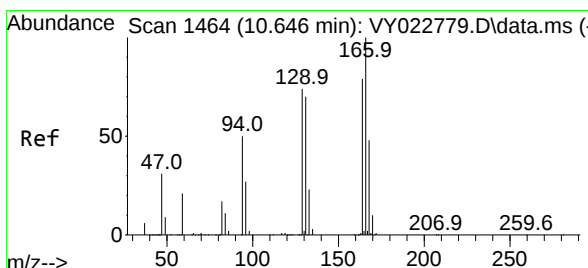
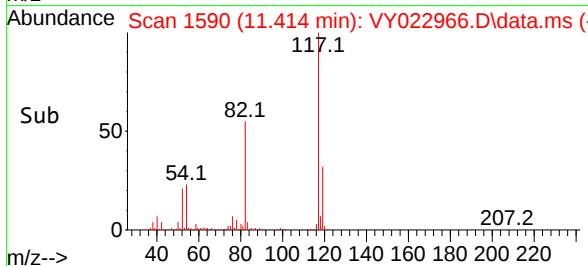
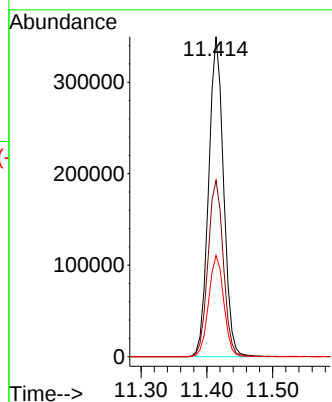
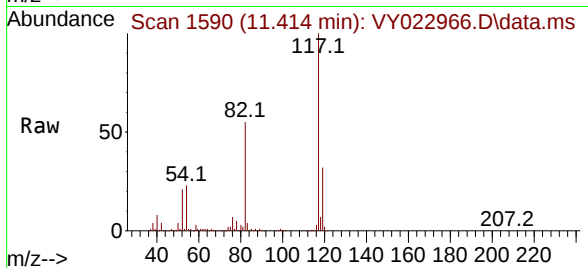
Tgt Ion:117 Resp: 553452

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

119 31.6 25.4 38.0



#64

Tetrachloroethene

Concen: 1.024 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Tgt Ion:164 Resp: 5353

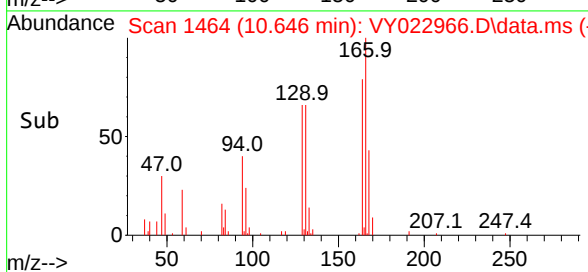
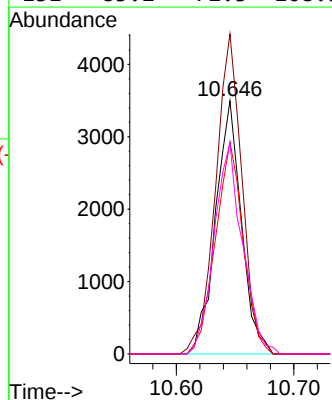
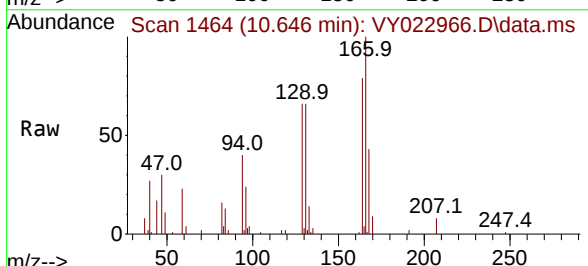
Ion Ratio Lower Upper

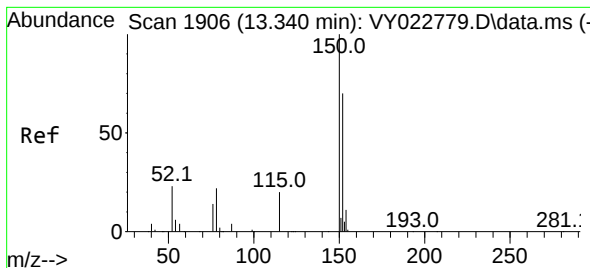
164 100

166 126.4 104.0 156.0

129 83.8 74.5 111.7

131 83.2 72.3 108.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022966.D

Acq: 07 Jul 2025 17:32

Instrument :

MSVOA_Y

ClientSampleId :

GPX1

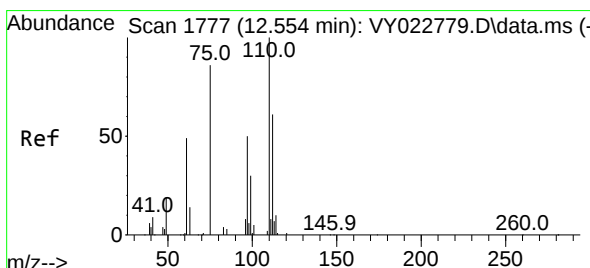
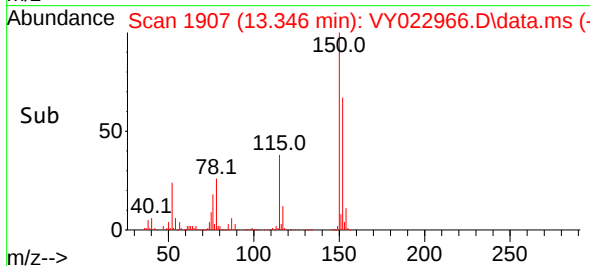
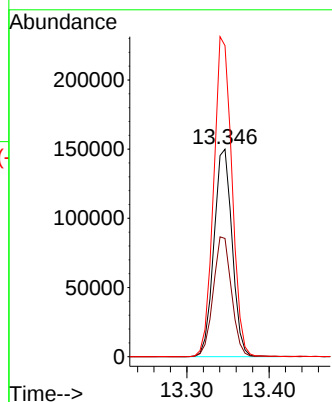
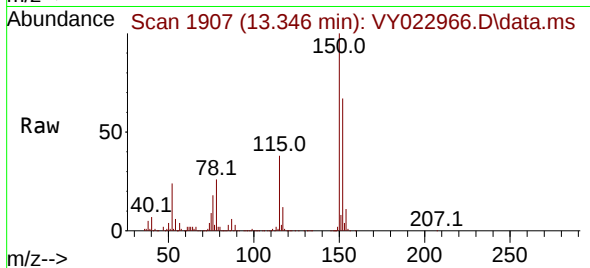
Tgt Ion:152 Resp: 230891

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.7

150 154.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 56.027 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022966.D

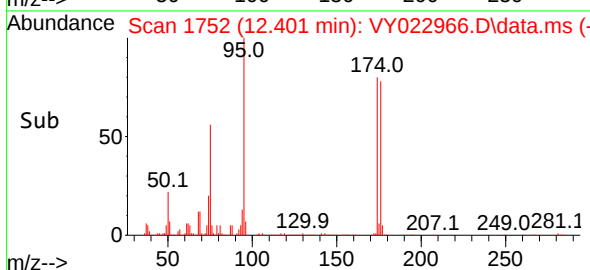
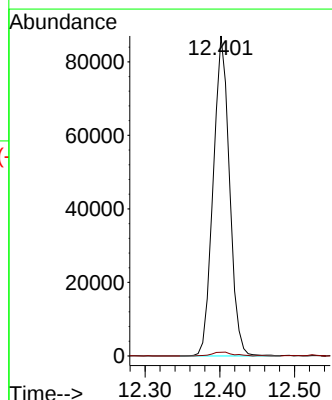
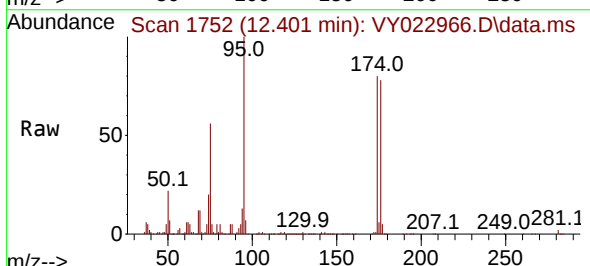
Acq: 07 Jul 2025 17:32

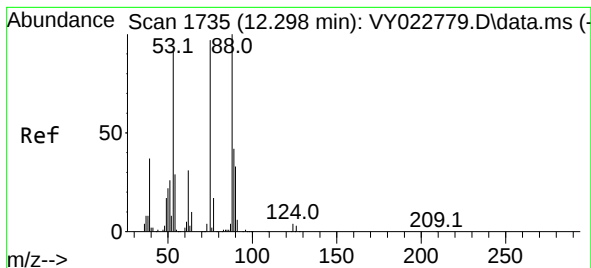
Tgt Ion: 75 Resp: 132066

Ion Ratio Lower Upper

75 100

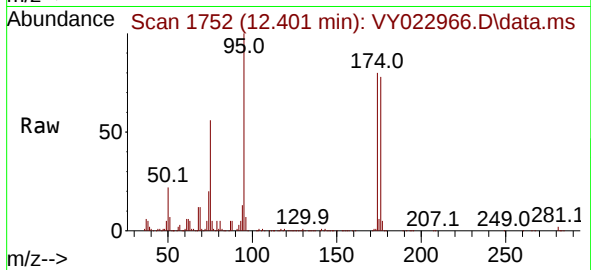
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.545 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022966.D
 Acq: 07 Jul 2025 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX1



Tgt Ion: 75 Resp: 132066
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

