

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022921.D
 Acq On : 02 Jul 2025 18:40
 Operator : SY/MD
 Sample : Q2487-01
 Misc : 4.97g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

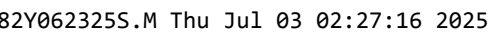
Quant Time: Jul 03 02:27:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

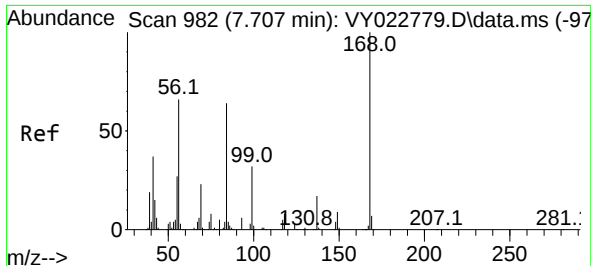
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	264395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	521777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	234093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169167	57.327	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.660%	
35) Dibromofluoromethane	7.634	113	165607	54.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.109	98	633022	52.252	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.401	95	233791	60.031	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 120.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.878	59	290	1.478	ug/l #	73
16) Acetone	3.866	43	76312	136.822	ug/l	100
17) Carbon Disulfide	4.110	76	26935	3.116	ug/l #	94
20) Methylene Chloride	4.622	84	16269	4.619	ug/l #	85
25) 2-Butanone	6.902	43	17655	21.749	ug/l	94
31) Cyclohexane	7.701	56	6979	1.377	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	23029	4.976	ug/l #	50
37) Ethyl Acetate	6.902	43	17655	8.841	ug/l #	69
38) Carbon Tetrachloride	7.707	117	27371	5.606	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.524	63	48	15.681	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	135516	56.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	135516	143.256	ug/l #	11

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

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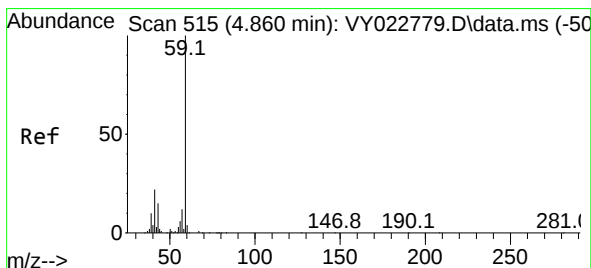
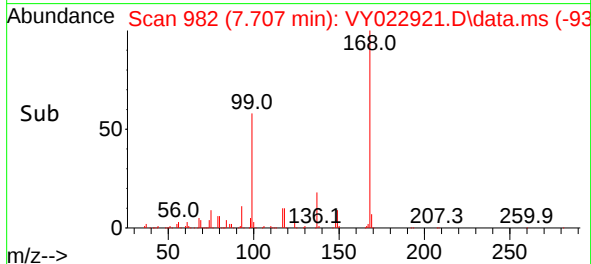
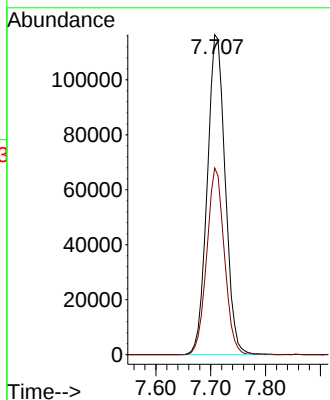
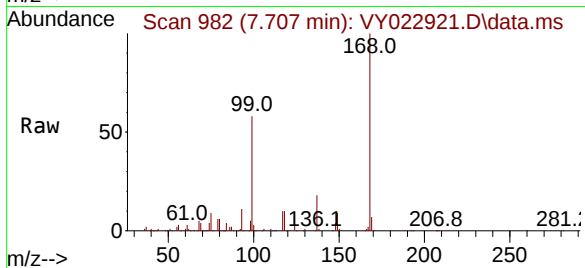




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

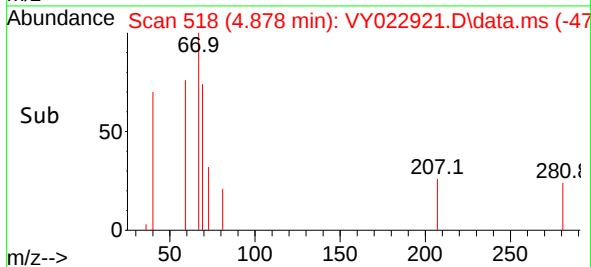
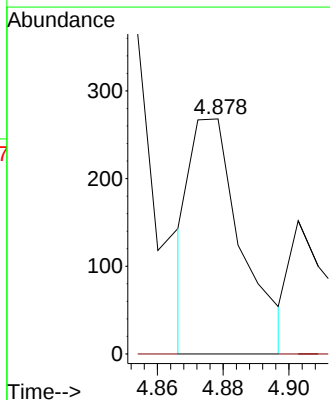
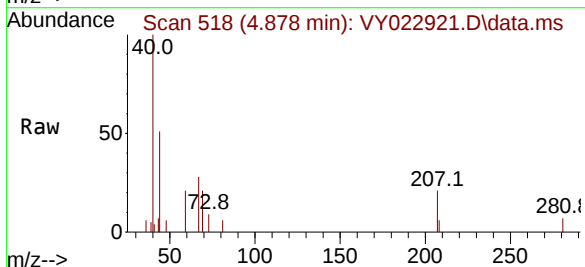
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

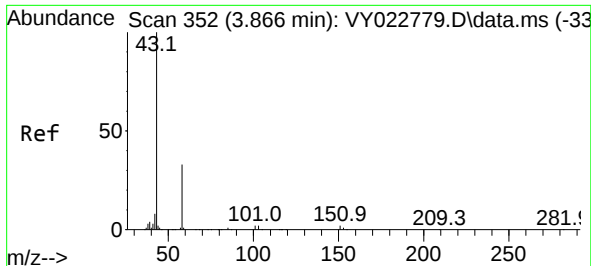
Tgt Ion:168 Resp: 264395
Ion Ratio Lower Upper
168 100
99 58.4 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.478 ug/l
RT: 4.878 min Scan# 518
Delta R.T. -0.006 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

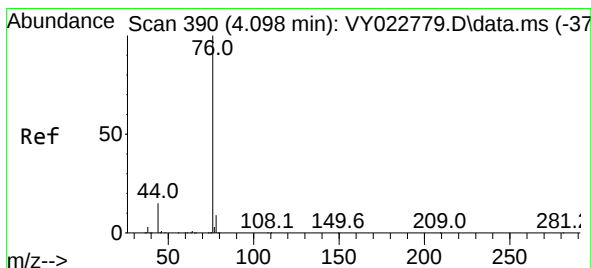
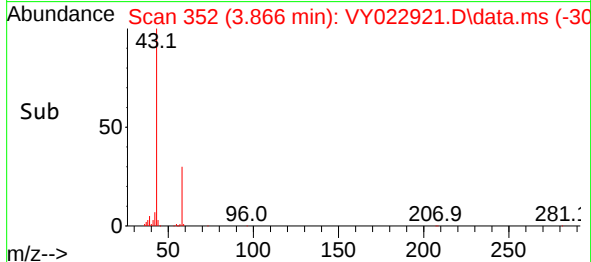
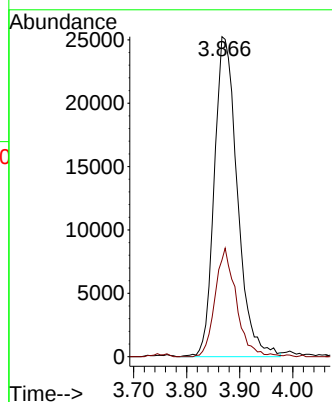
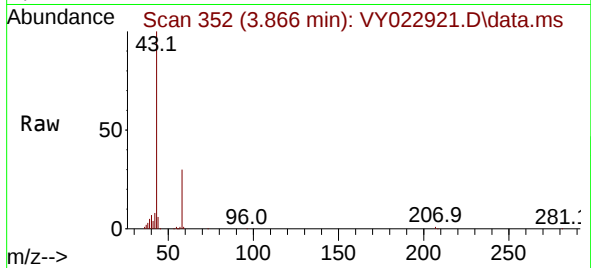




#16
Acetone
Concen: 136.822 ug/l
RT: 3.866 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

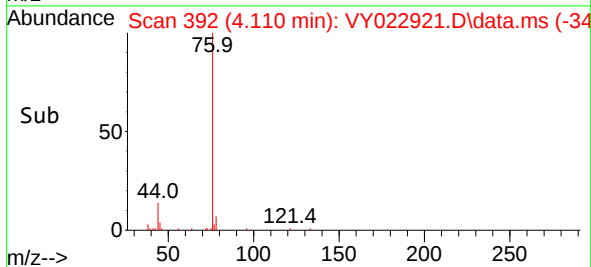
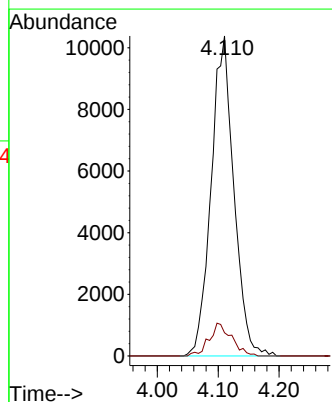
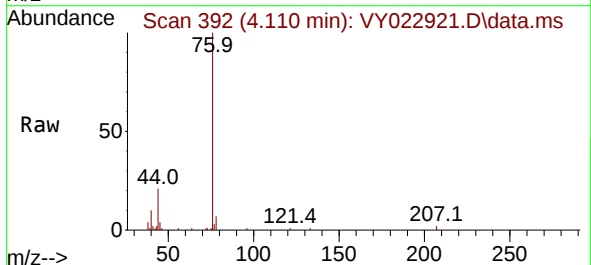
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

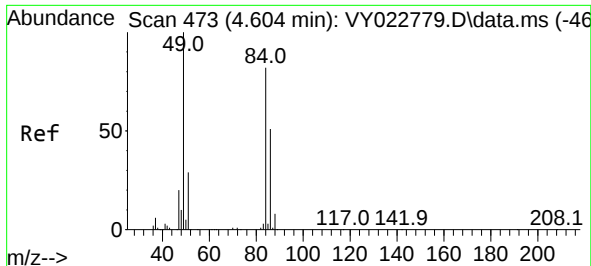
Tgt Ion: 43 Resp: 76312
Ion Ratio Lower Upper
43 100
58 30.2 24.0 36.0



#17
Carbon Disulfide
Concen: 3.116 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

Tgt Ion: 76 Resp: 26935
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.2#

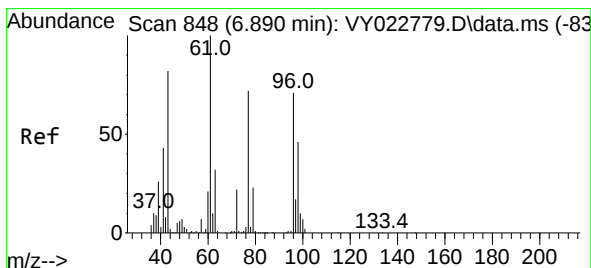
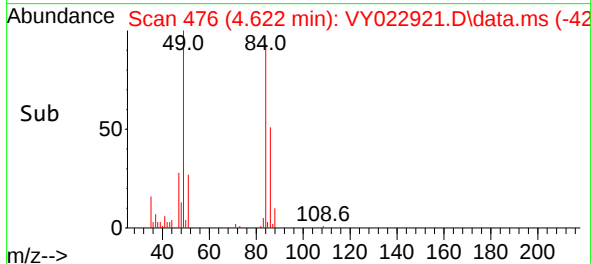
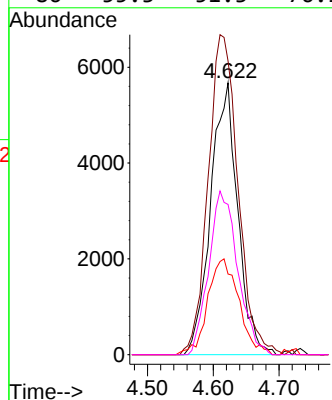
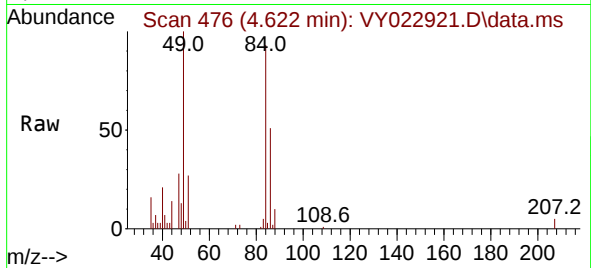




#20
Methylene Chloride
Concen: 4.619 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

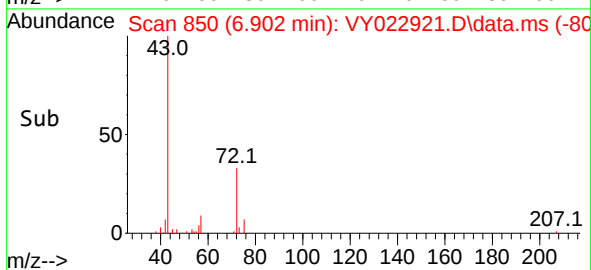
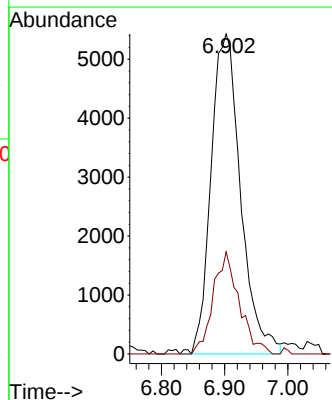
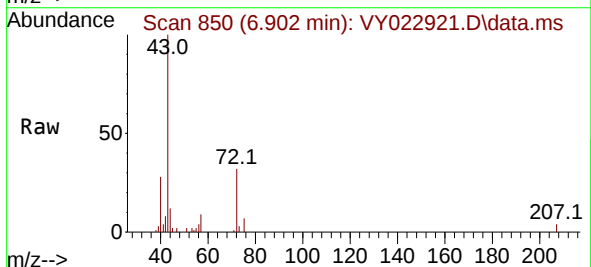
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

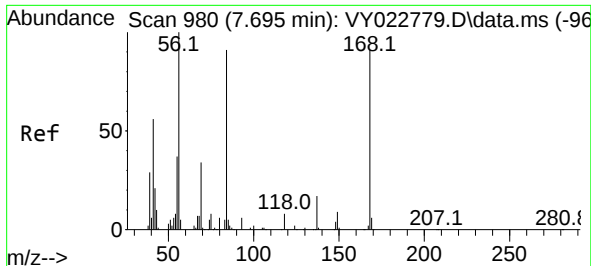
Tgt Ion:	84	Resp:	16269
Ion	Ratio	Lower	Upper
84	100		
49	108.1	101.9	152.9
51	29.7	29.8	44.8#
86	55.3	51.3	76.9



#25
2-Butanone
Concen: 21.749 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

Tgt Ion:	43	Resp:	17655
Ion	Ratio	Lower	Upper
43	100		
72	31.9	22.9	34.3

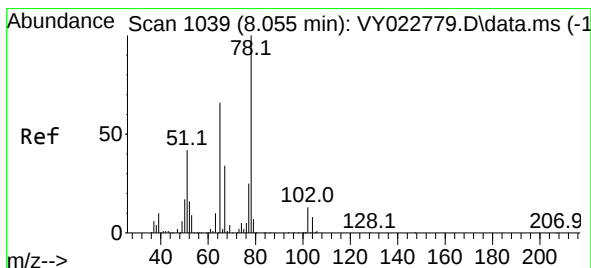
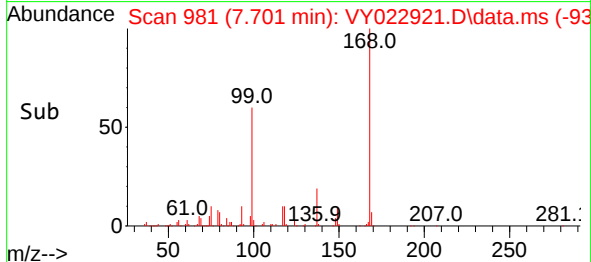
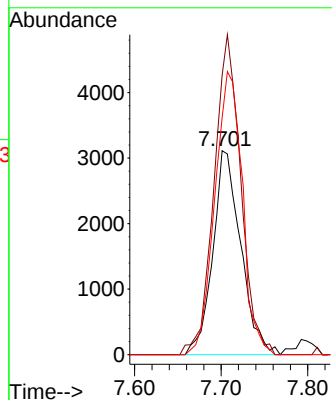
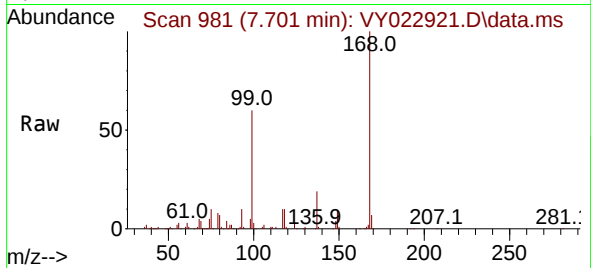




#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

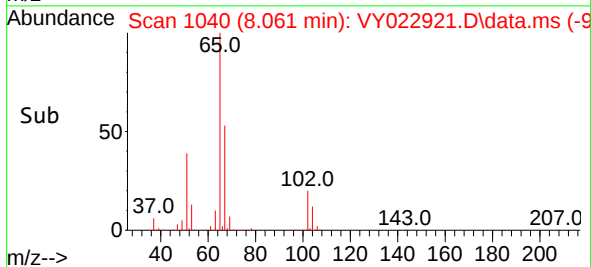
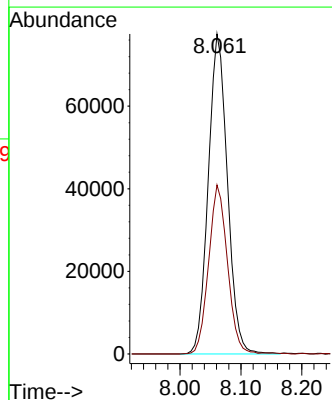
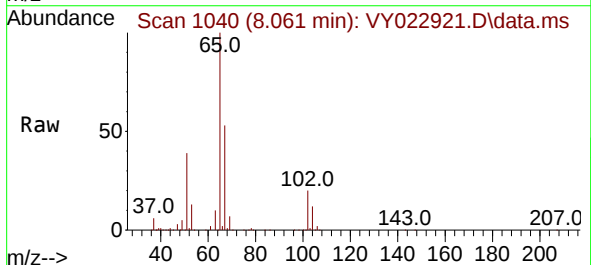
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

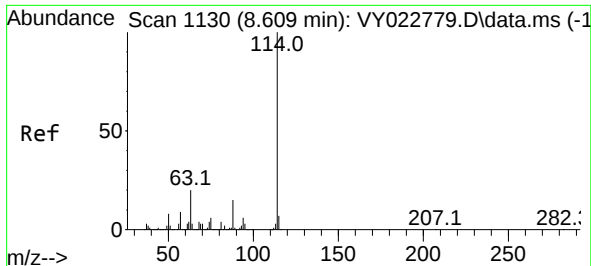
Tgt Ion: 56 Resp: 6979
Ion Ratio Lower Upper
56 100
69 136.9 27.0 40.6#
84 127.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 57.327 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

Tgt Ion: 65 Resp: 169167
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: VY022921.D

Acq: 02 Jul 2025 18:40

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

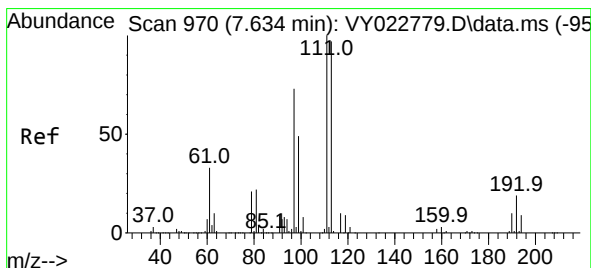
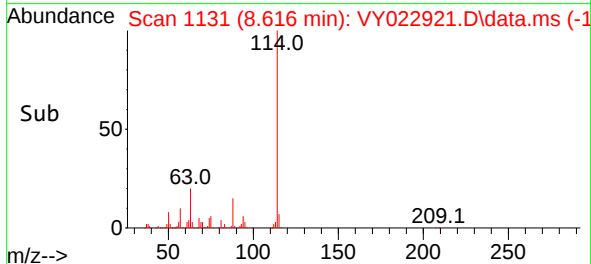
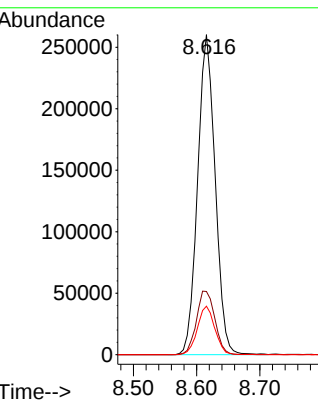
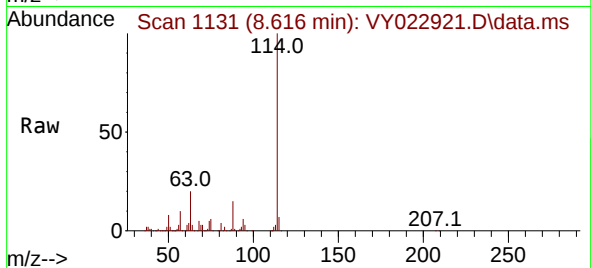
Tgt Ion:114 Resp: 502015

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.1 0.0 27.8



#35

Dibromofluoromethane

Concen: 54.244 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022921.D

Acq: 02 Jul 2025 18:40

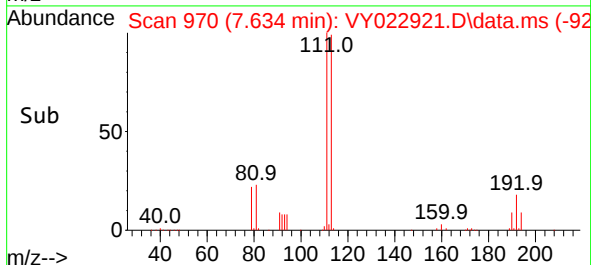
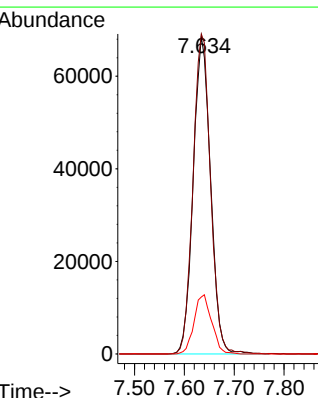
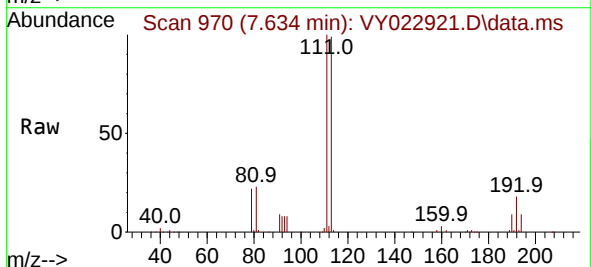
Tgt Ion:113 Resp: 165607

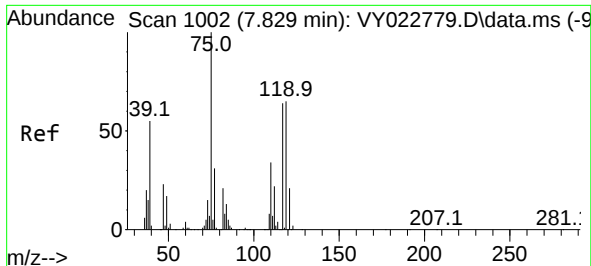
Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

192 19.0 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022921.D

Acq: 02 Jul 2025 18:40

Instrument :

MSVOA_Y

ClientSampleId :

G4(1.5)

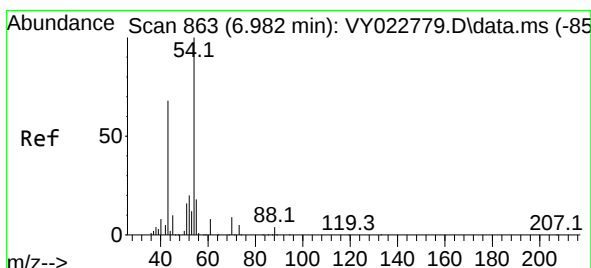
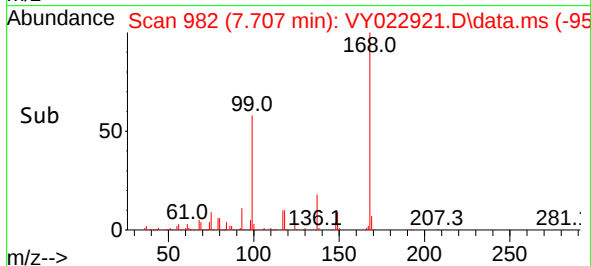
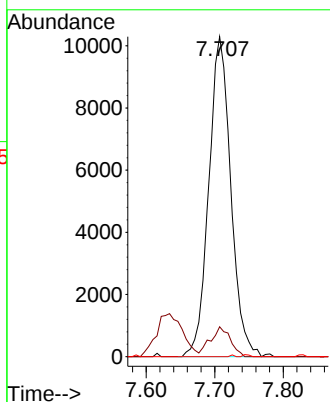
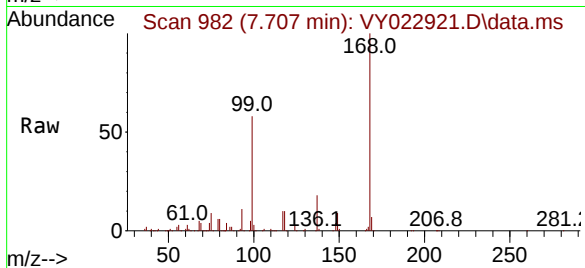
Tgt Ion: 75 Resp: 23029

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 8.841 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.092 min

Lab File: VY022921.D

Acq: 02 Jul 2025 18:40

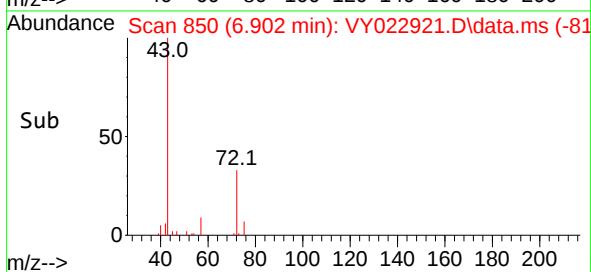
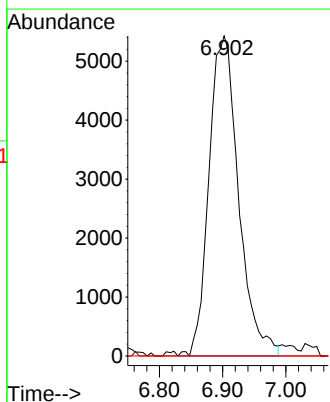
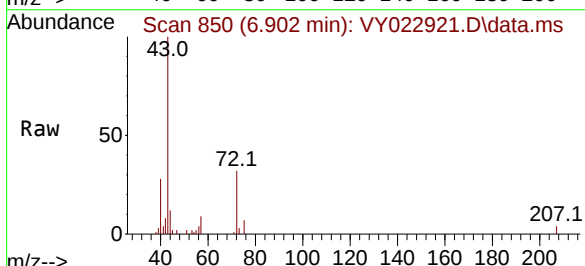
Tgt Ion: 43 Resp: 17655

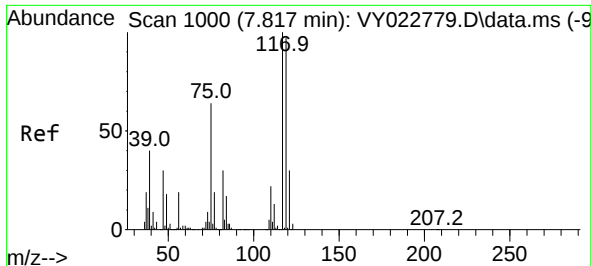
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.2 10.8#

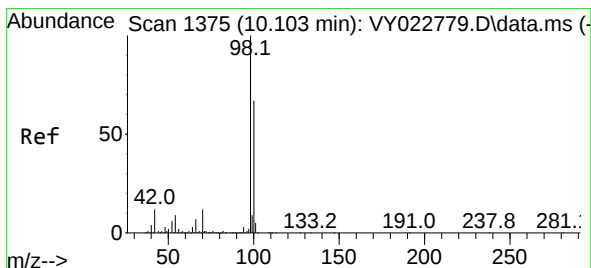
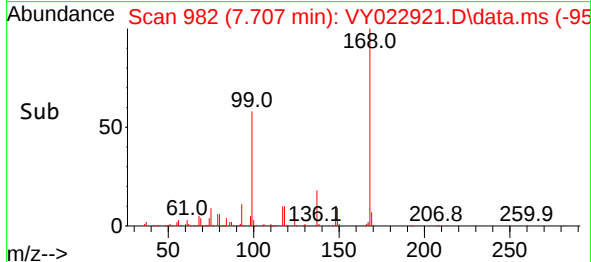
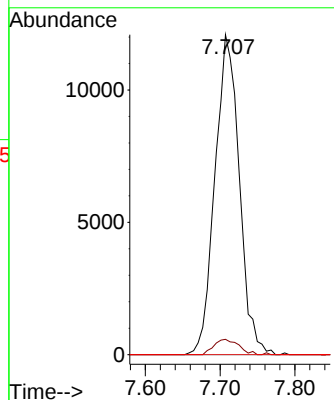
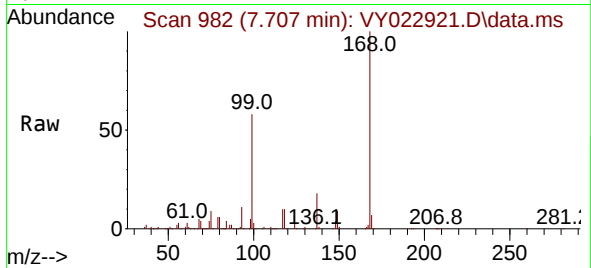




#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

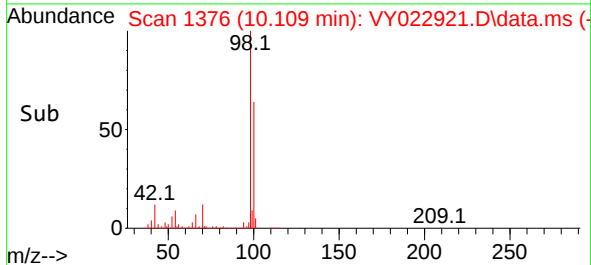
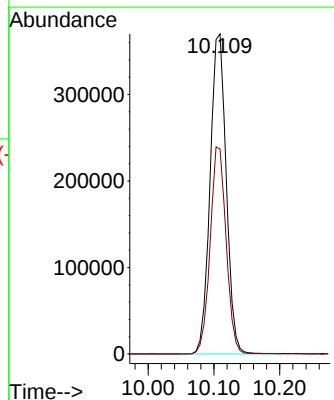
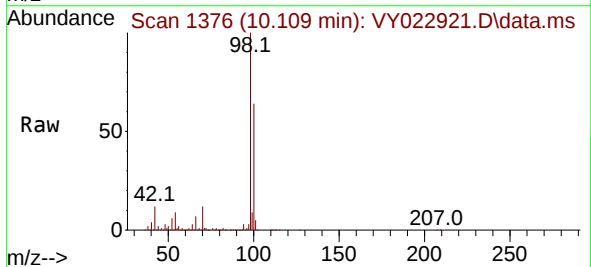
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

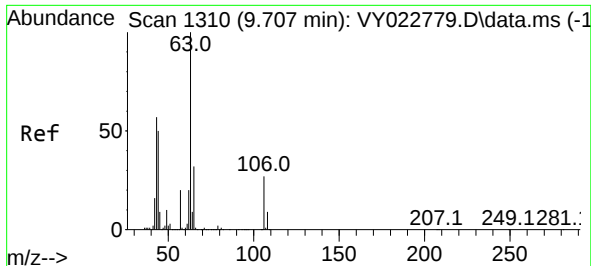
Tgt Ion:117 Resp: 27371
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 52.252 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

Tgt Ion: 98 Resp: 633022
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0





#58

2-Chloroethyl Vinyl ether

Concen: 15.681 ug/l

RT: 9.524 min Scan# 11

Delta R.T. -0.189 min

Lab File: VY022921.D

Acq: 02 Jul 2025 18:40

Instrument :

MSVOA_Y

ClientSampleId :

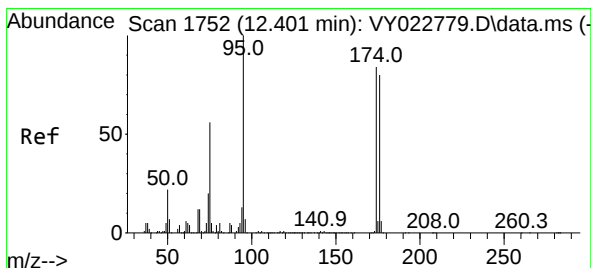
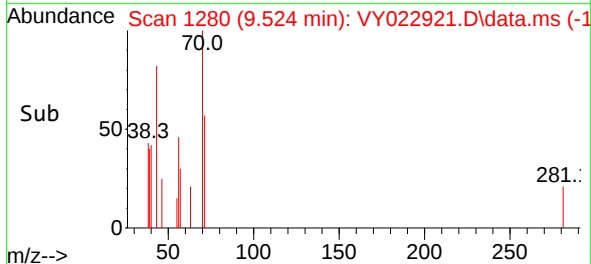
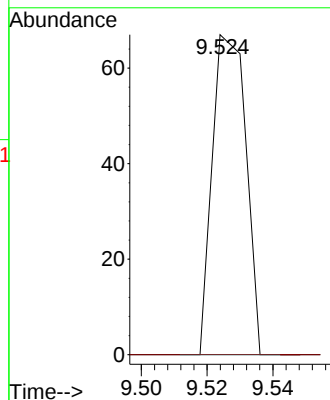
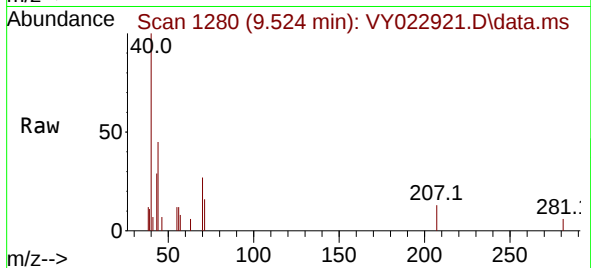
G4(1.5)

Tgt Ion: 63 Resp: 48

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



#62

4-Bromofluorobenzene

Concen: 60.031 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022921.D

Acq: 02 Jul 2025 18:40

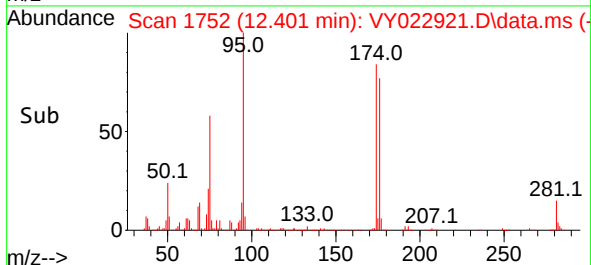
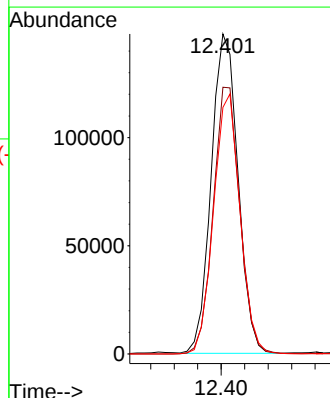
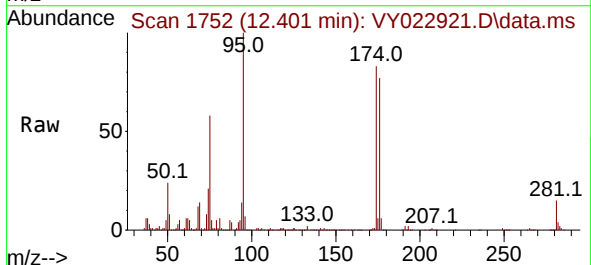
Tgt Ion: 95 Resp: 233791

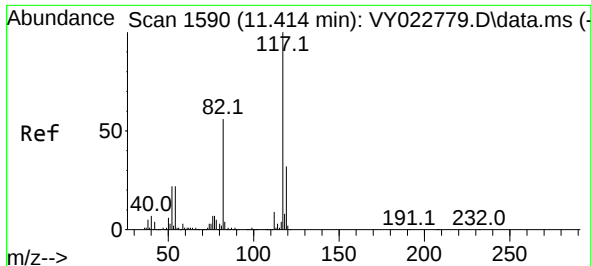
Ion Ratio Lower Upper

95 100

174 83.1 0.0 170.0

176 80.5 0.0 166.2

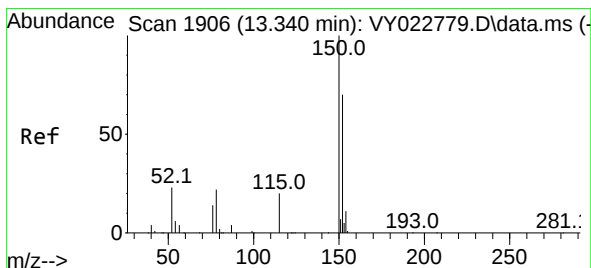
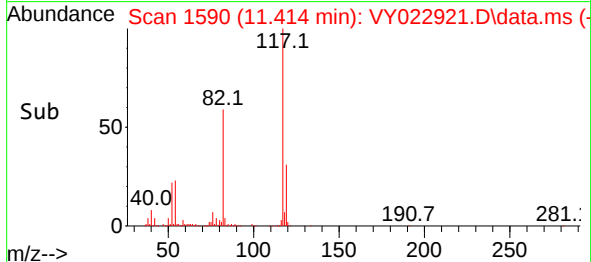
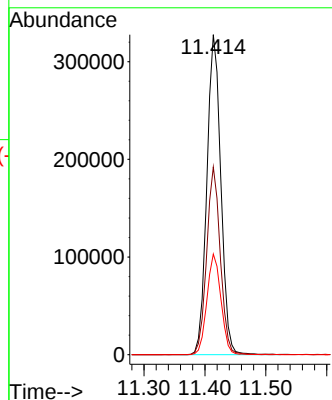
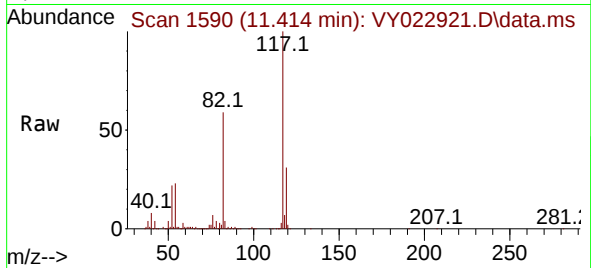




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

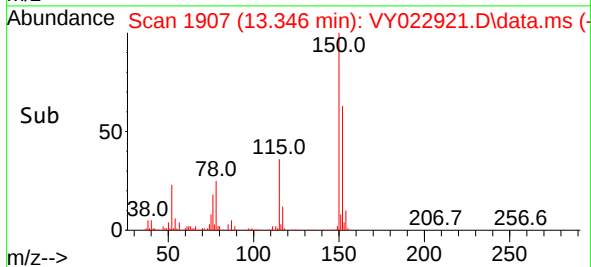
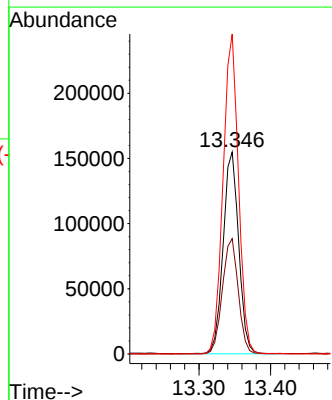
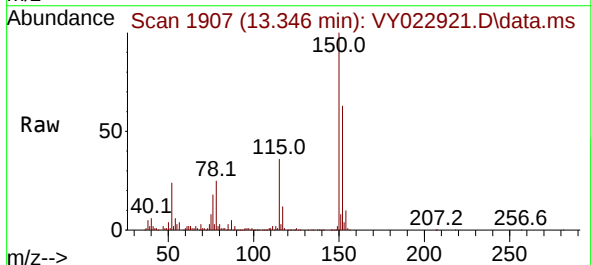
Instrument :
MSVOA_Y
ClientSampleId :
G4(1.5)

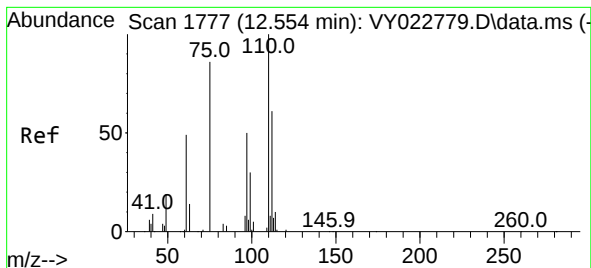
Tgt Ion:117 Resp: 521777
Ion Ratio Lower Upper
117 100
82 58.6 44.6 66.8
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022921.D
Acq: 02 Jul 2025 18:40

Tgt Ion:152 Resp: 234093
Ion Ratio Lower Upper
152 100
115 57.9 28.9 86.7
150 156.8 0.0 349.6

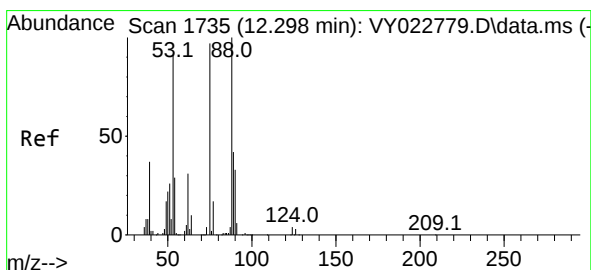
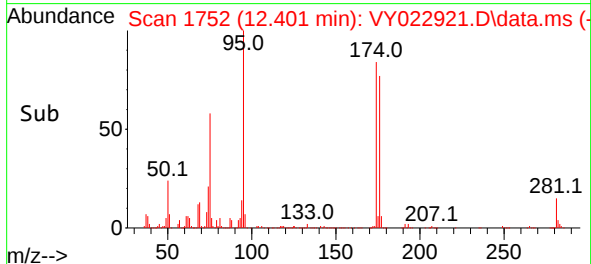
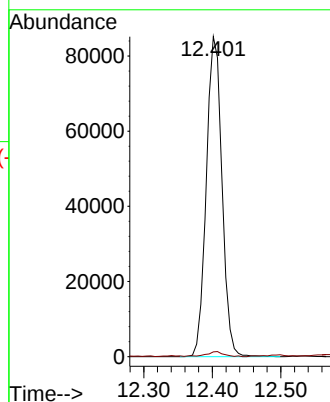
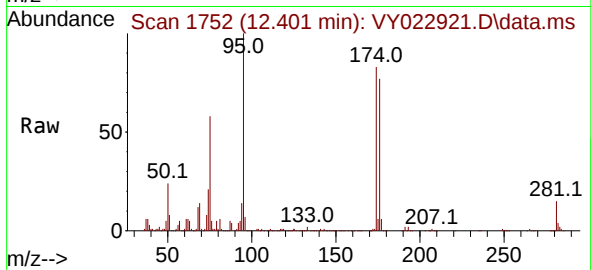




#76
 1,2,3-Trichloropropane
 Concen: 56.704 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022921.D
 Acq: 02 Jul 2025 18:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(1.5)

Tgt Ion: 75 Resp: 135516
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.256 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022921.D
 Acq: 02 Jul 2025 18:40

Tgt Ion: 75 Resp: 135516
 Ion Ratio Lower Upper
 75 100
 53 0.8 78.5 117.7#
 89 0.5 35.7 53.5#

