

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022979.D
 Acq On : 08 Jul 2025 16:37
 Operator : SY/MD
 Sample : Q2514-07
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-36

Quant Time: Jul 09 02:33:56 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)

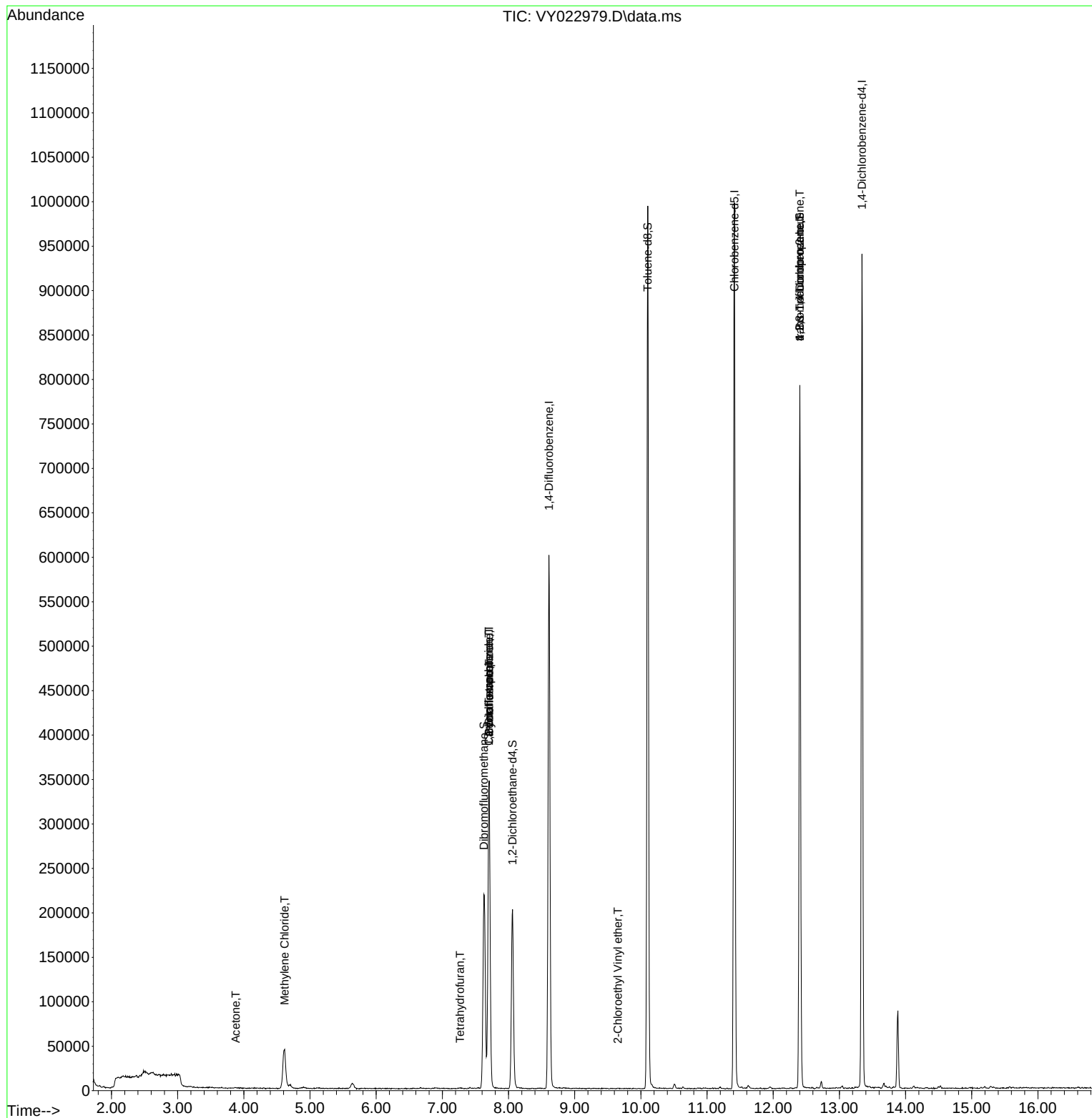
Internal Standards						
1) Pentafluorobenzene	7.707	168	258321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	491752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	506681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	226768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158166	54.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.720%	
35) Dibromofluoromethane	7.628	113	160004	53.502	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.000%	
50) Toluene-d8	10.103	98	623402	52.532	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.060%	
62) 4-Bromofluorobenzene	12.401	95	216738	56.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1000	1.835	ug/l #	72
20) Methylene Chloride	4.616	84	32393	9.413	ug/l	97
29) Tetrahydrofuran	7.268	42	538	1.074	ug/l #	70
31) Cyclohexane	7.707	56	6786	1.370	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	23164	5.110	ug/l #	49
38) Carbon Tetrachloride	7.701	117	26028	5.442	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.652	63	67	15.692	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	125238	54.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	125238	136.668	ug/l #	11

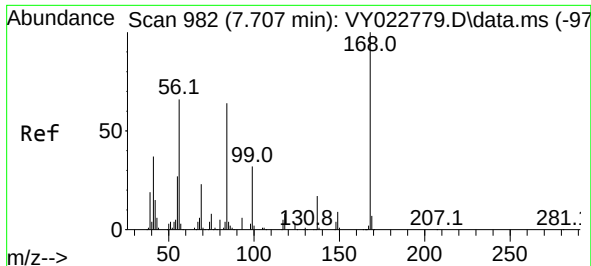
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
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Response via : Initial Calibration

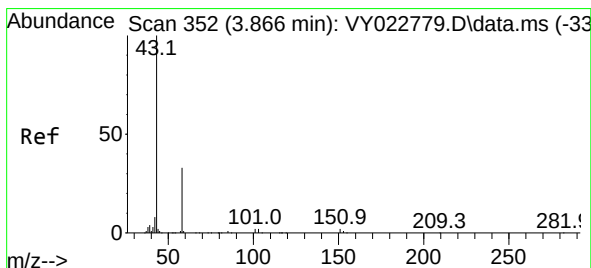
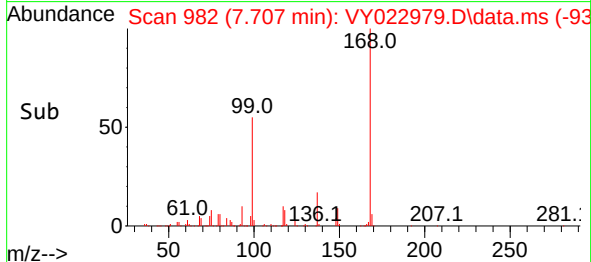
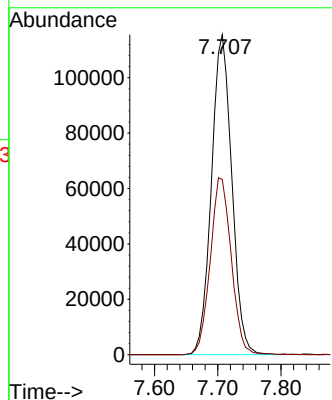
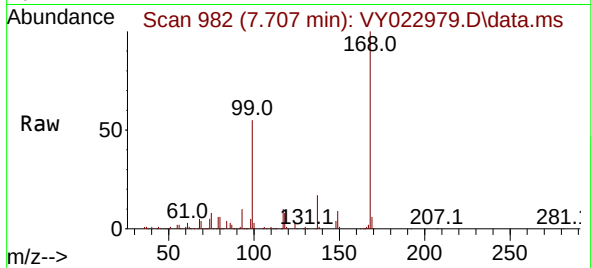




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

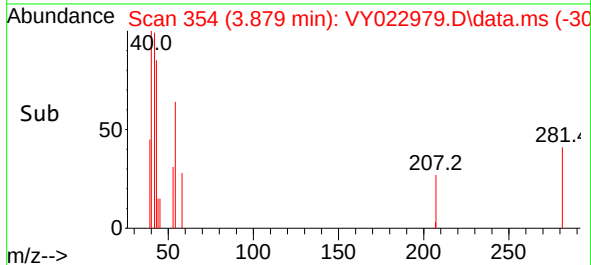
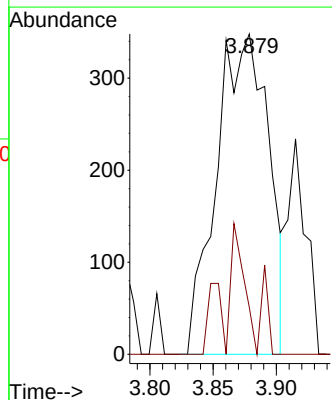
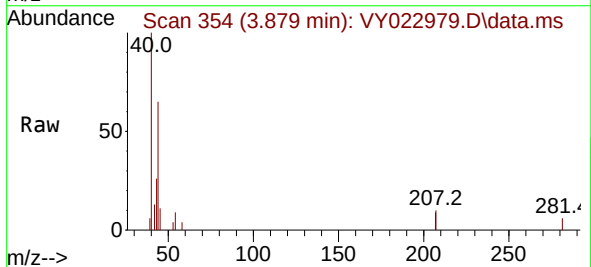
Instrument :
MSVOA_Y
ClientSampleId :
TP-36

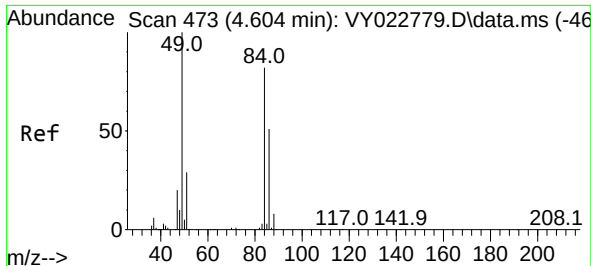
Tgt Ion:168 Resp: 258321
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#16
Acetone
Concen: 1.835 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 14.7 24.0 36.0#



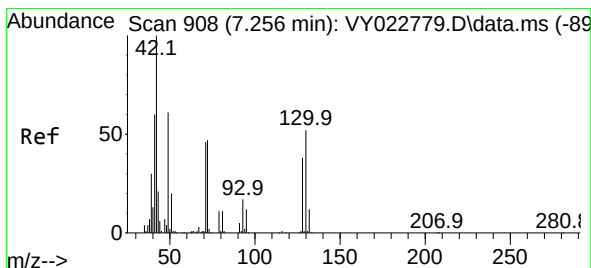
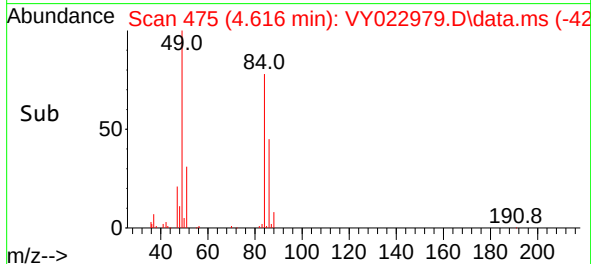
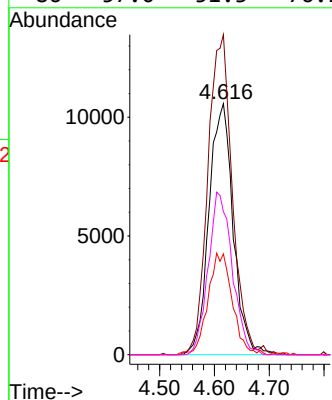
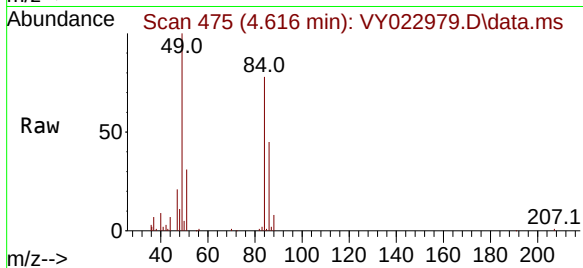


#20
Methylene Chloride
Concen: 9.413 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Instrument :
MSVOA_Y
ClientSampleId :
TP-36

Tgt Ion: 84 Resp: 32393

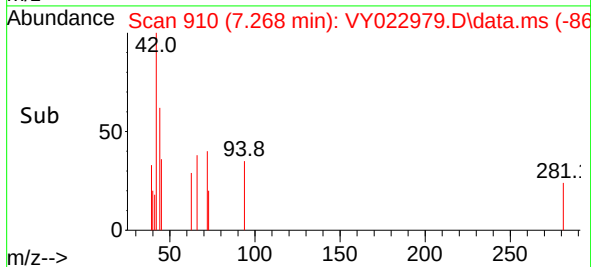
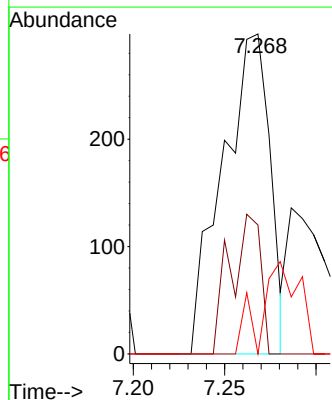
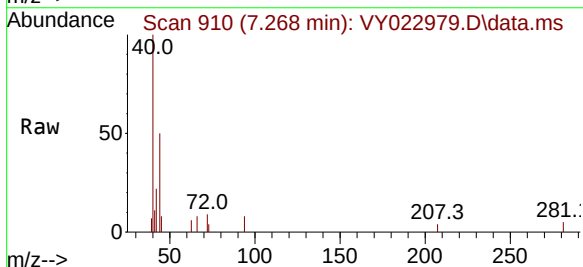
Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	39.6	29.8	44.8
86	57.0	51.3	76.9

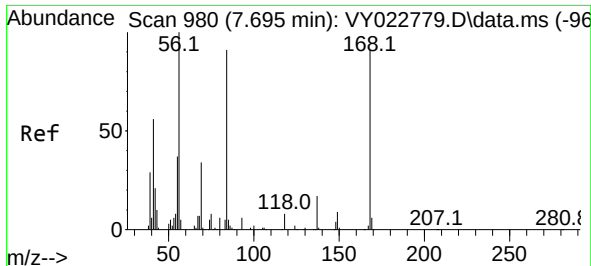


#29
Tetrahydrofuran
Concen: 1.074 ug/l
RT: 7.268 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 42 Resp: 538

Ion	Ratio	Lower	Upper
42	100		
72	27.9	37.4	56.2#
71	23.0	34.2	51.2#

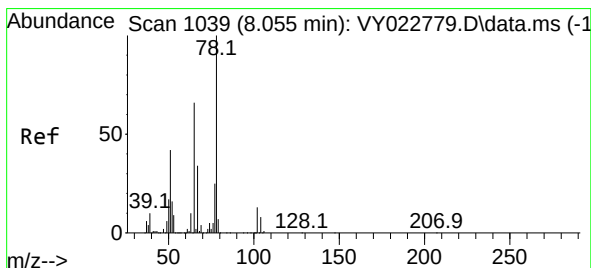
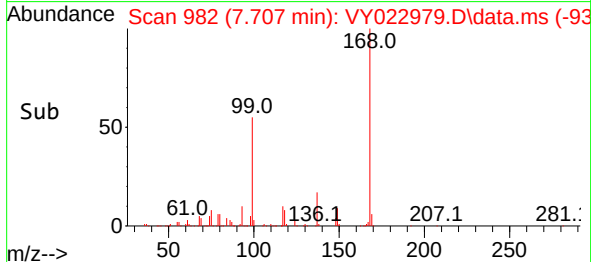
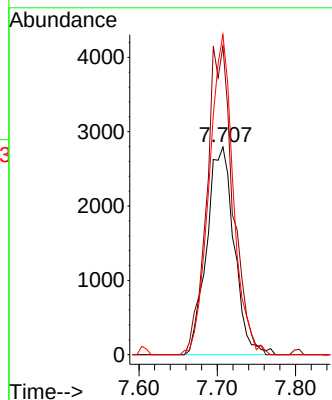
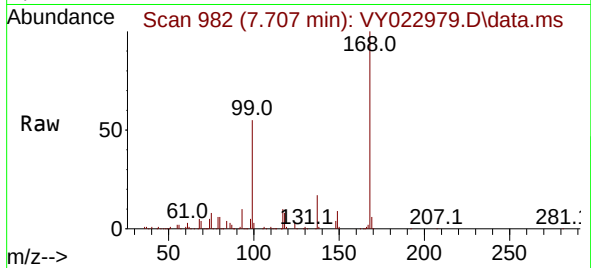




#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

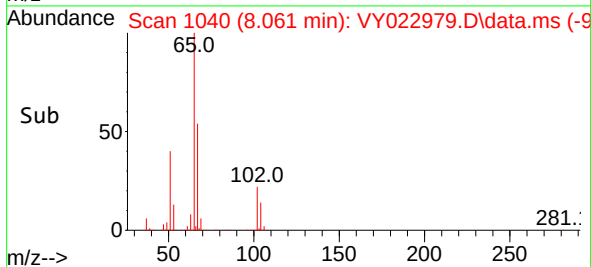
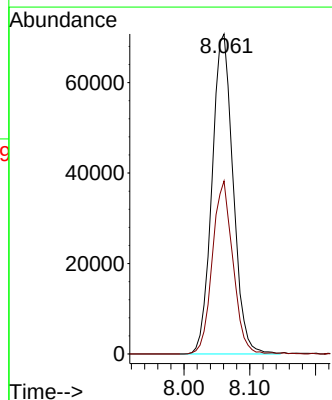
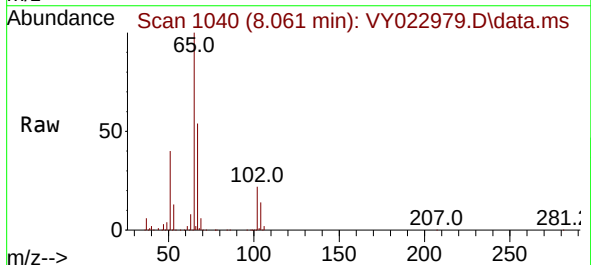
Instrument :
MSVOA_Y
ClientSampleId :
TP-36

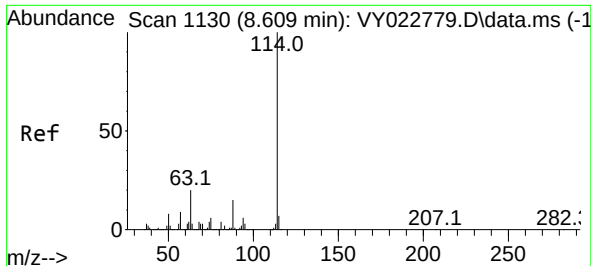
Tgt Ion: 56 Resp: 6786
Ion Ratio Lower Upper
56 100
69 148.7 27.0 40.6#
84 154.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 54.859 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 65 Resp: 158166
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022979.D

Acq: 08 Jul 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-36

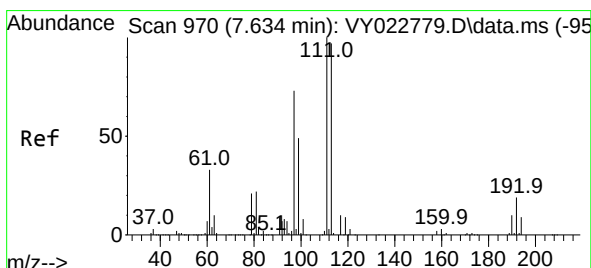
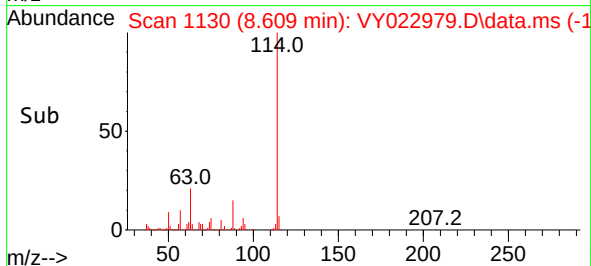
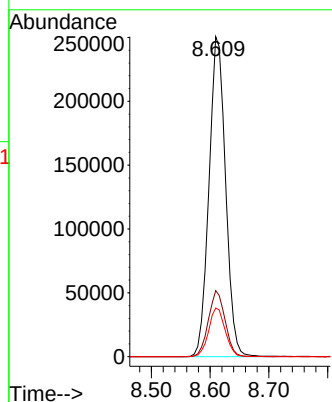
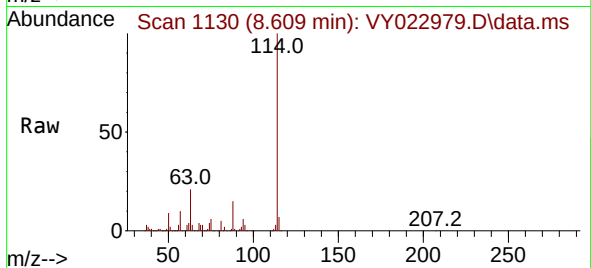
Tgt Ion:114 Resp: 491752

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.502 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022979.D

Acq: 08 Jul 2025 16:37

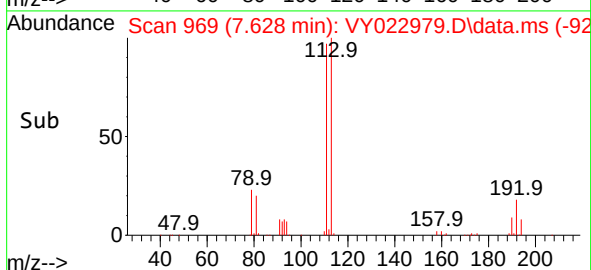
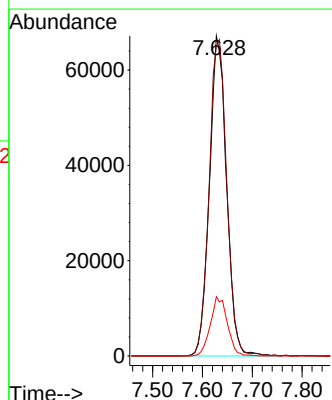
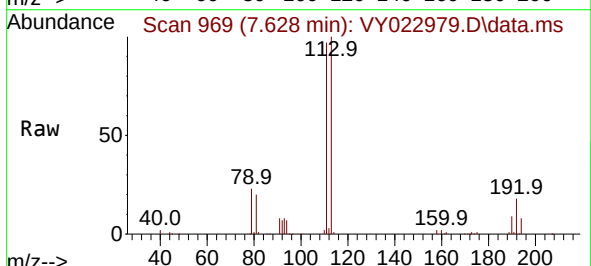
Tgt Ion:113 Resp: 160004

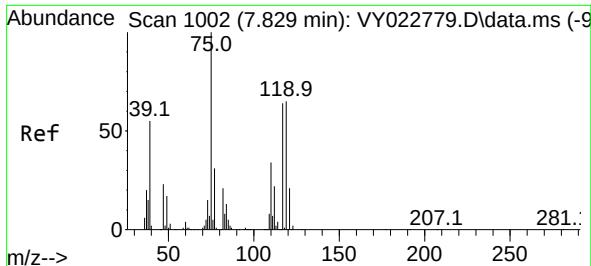
Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 18.4 14.2 21.2

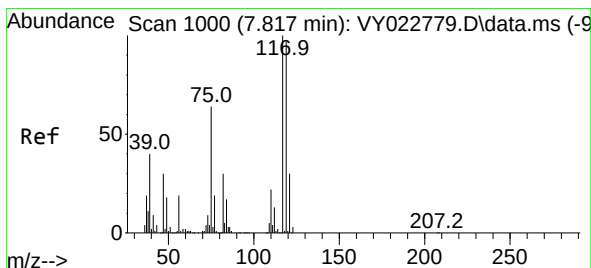
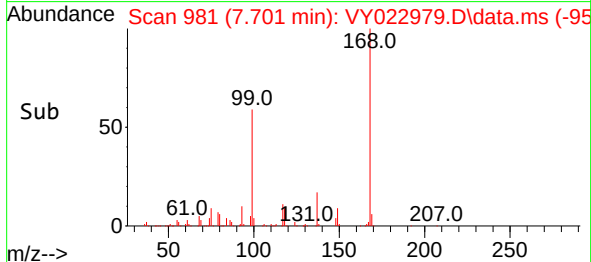
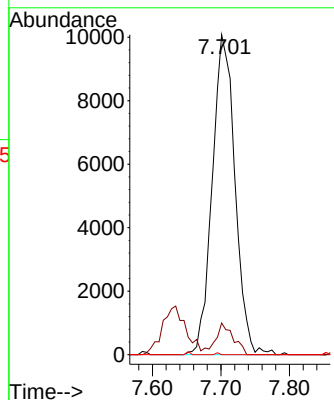
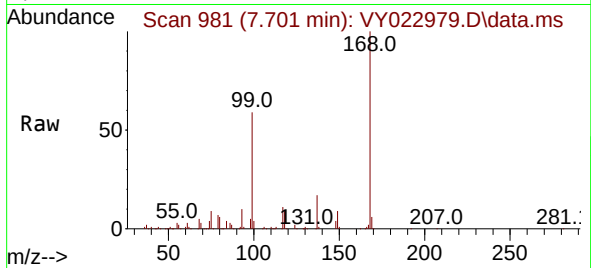




#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY022979.D
 Acq: 08 Jul 2025 16:37

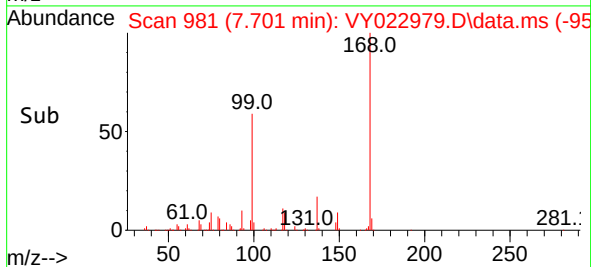
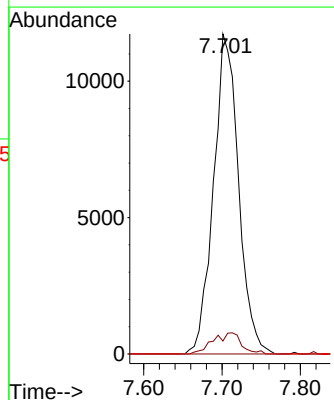
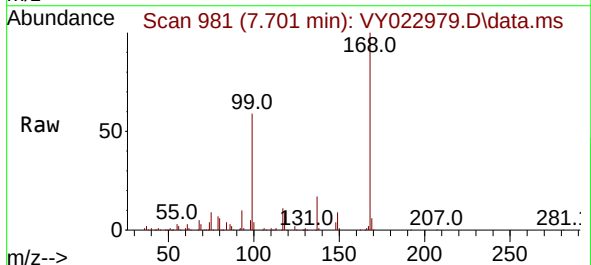
Instrument :
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 ClientSampleId :
 TP-36

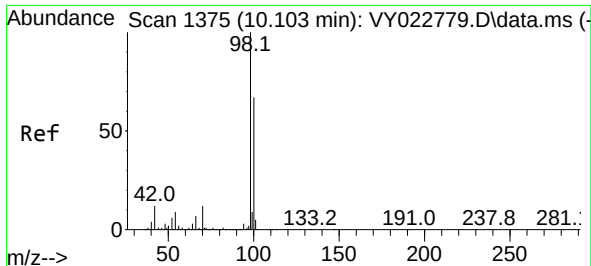
Tgt Ion: 75 Resp: 23164
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.9 50.7#
 77 0.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.442 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY022979.D
 Acq: 08 Jul 2025 16:37

Tgt Ion: 117 Resp: 26028
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.0 112.6#
 121 0.0 25.0 37.4#

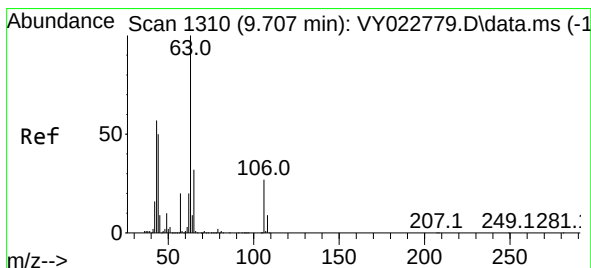
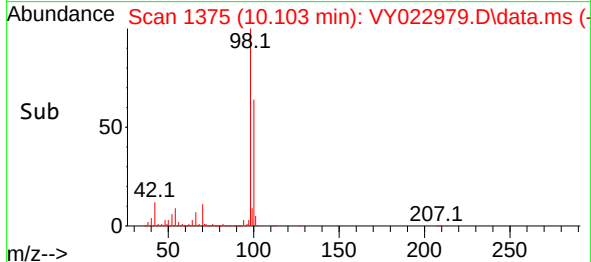
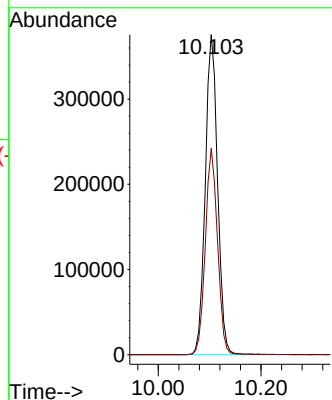
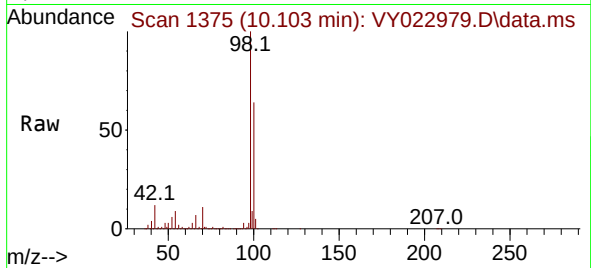




#50
Toluene-d8
Concen: 52.532 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

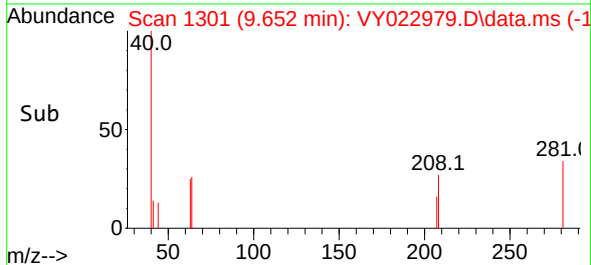
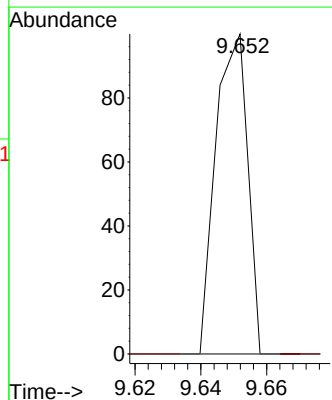
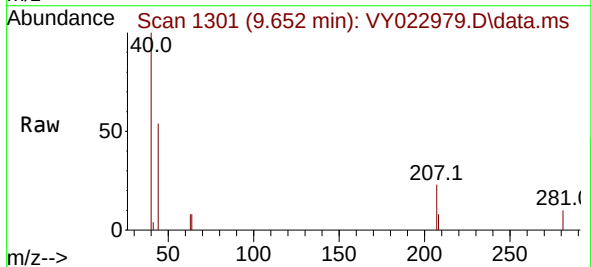
Instrument :
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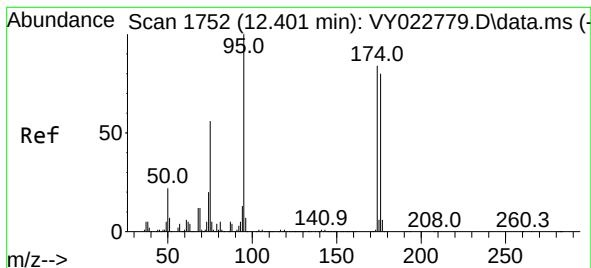
Tgt Ion: 98 Resp: 623402
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.692 ug/l
RT: 9.652 min Scan# 1301
Delta R.T. -0.061 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 63 Resp: 67
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

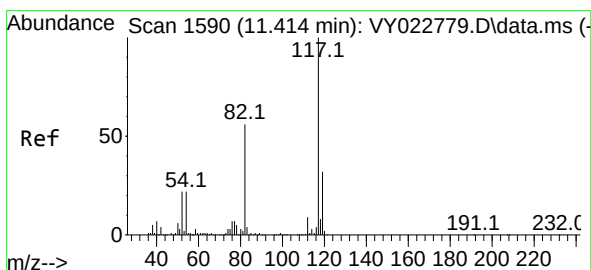
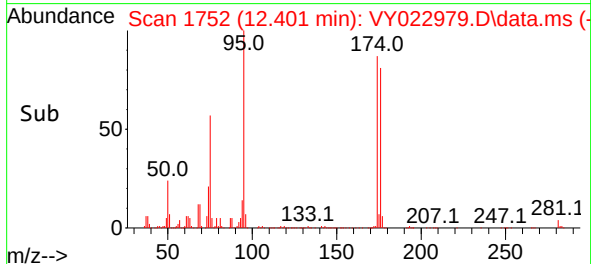
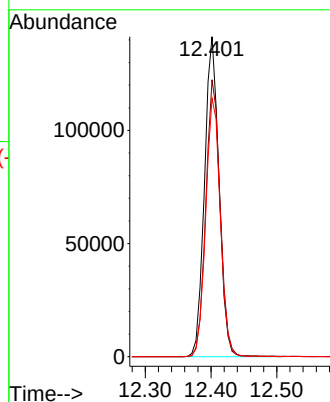
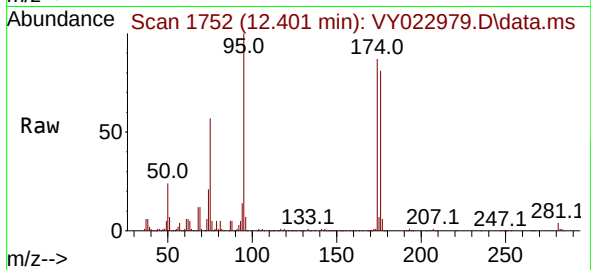




#62
4-Bromofluorobenzene
Concen: 56.814 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

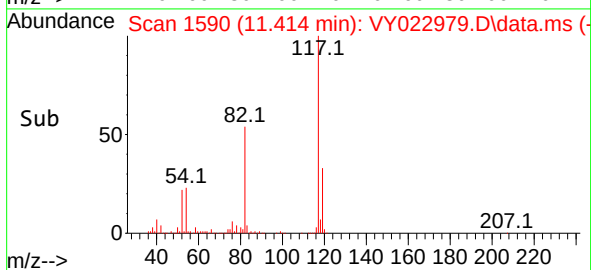
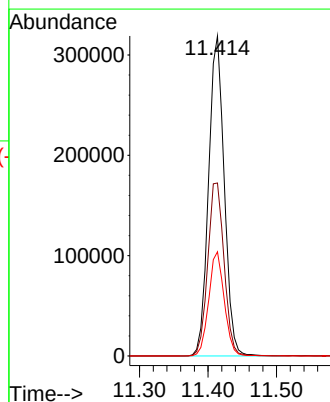
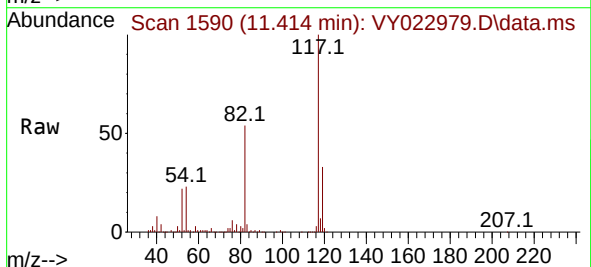
Instrument :
MSVOA_Y
ClientSampleId :
TP-36

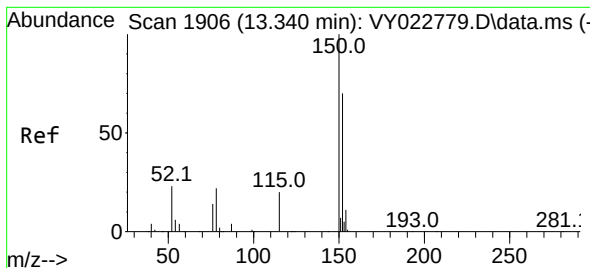
Tgt Ion: 95 Resp: 216738
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 81.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 117 Resp: 506681
Ion Ratio Lower Upper
117 100
82 54.1 44.6 66.8
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022979.D

Acq: 08 Jul 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-36

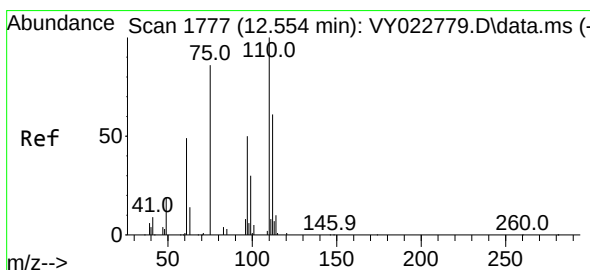
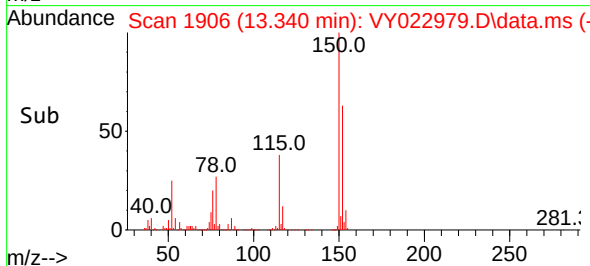
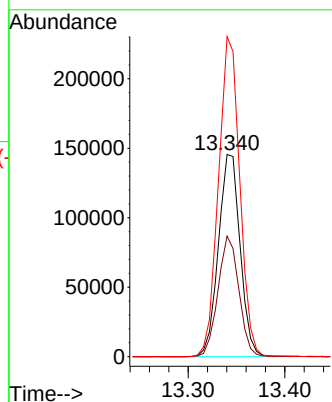
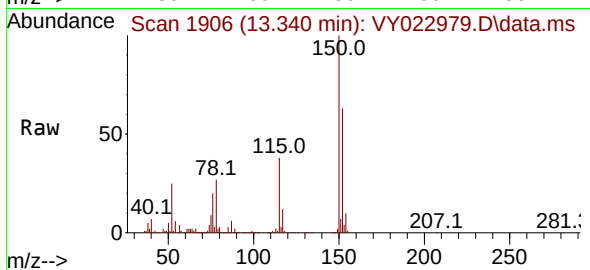
Tgt Ion:152 Resp: 226768

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 155.4 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.096 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022979.D

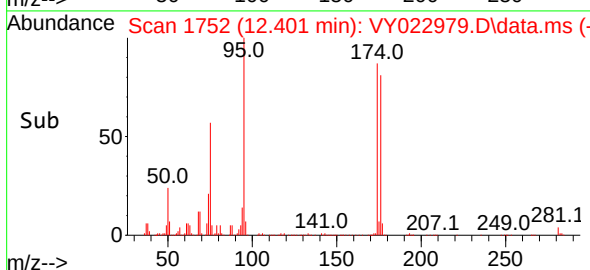
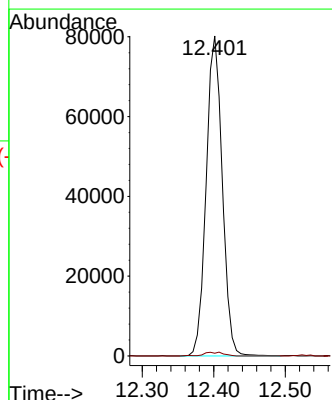
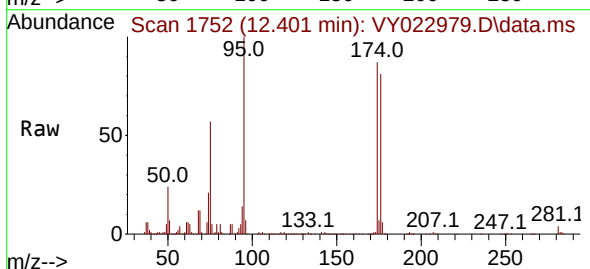
Acq: 08 Jul 2025 16:37

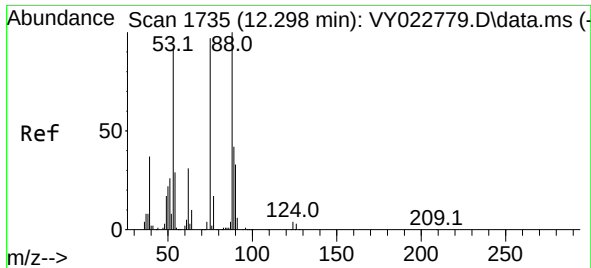
Tgt Ion: 75 Resp: 125238

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.668 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022979.D
 Acq: 08 Jul 2025 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-36

Tgt Ion: 75 Resp: 125238
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.2 35.7 53.5#

