

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022864.D
 Acq On : 27 Jun 2025 16:06
 Operator : SY/MD
 Sample : Q2436-09
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-99

Quant Time: Jun 27 23:19:56 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)

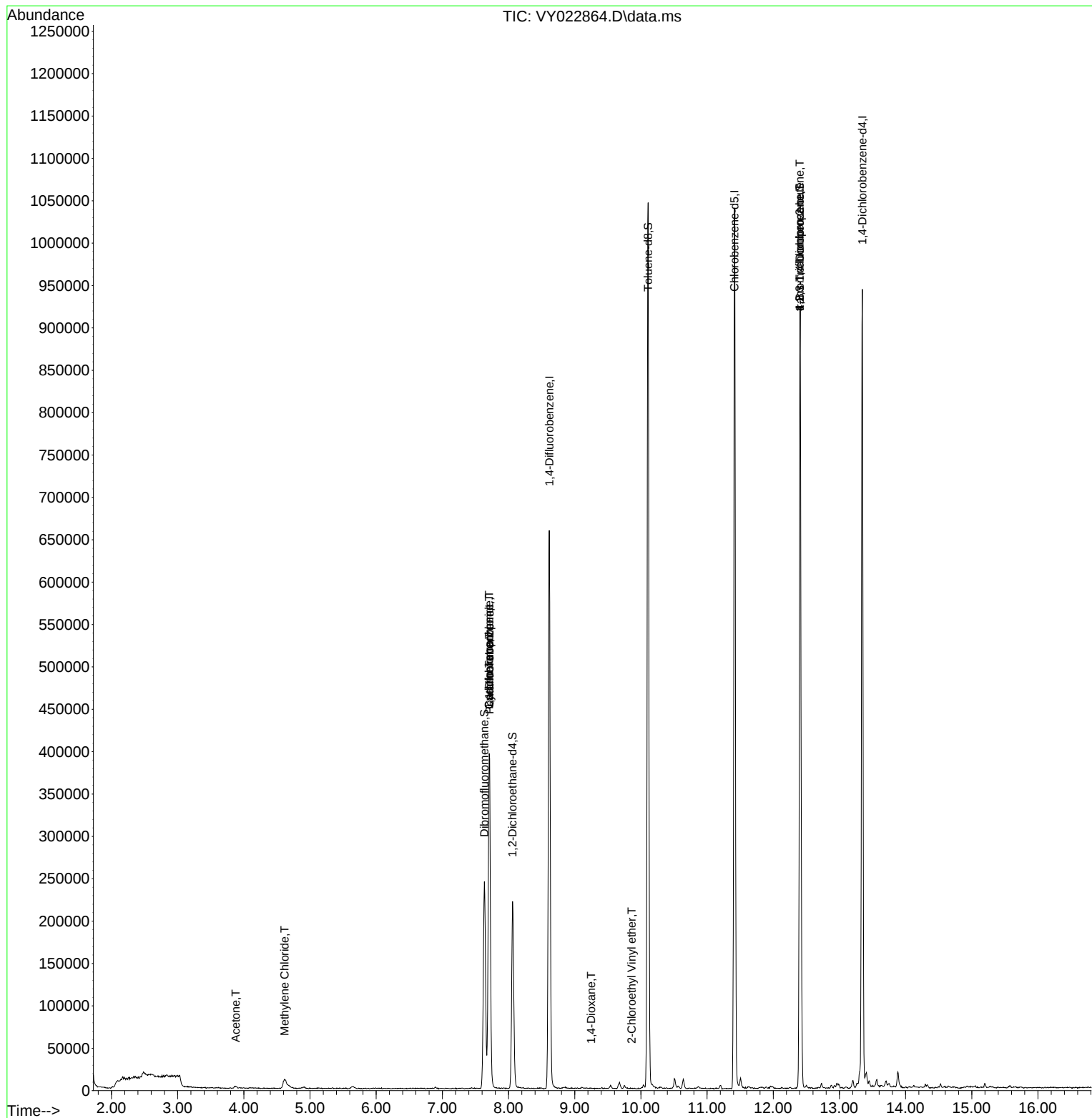
Internal Standards						
1) Pentafluorobenzene	7.713	168	301121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	558142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	536522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168750	50.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.420%	
35) Dibromofluoromethane	7.634	113	172035	50.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.360%	
50) Toluene-d8	10.109	98	673924	50.034	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.060%	
62) 4-Bromofluorobenzene	12.402	95	234963	54.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.520%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	4165	6.557	ug/l	94
20) Methylene Chloride	4.616	84	8178	2.039	ug/l	90
31) Cyclohexane	7.707	56	7566	1.311	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	25847	5.024	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31105	5.730	ug/l #	16
49) 1,4-Dioxane	9.250	88	35	1.410	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.859	63	31	15.670	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	134467	57.116	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	134467	144.297	ug/l #	11

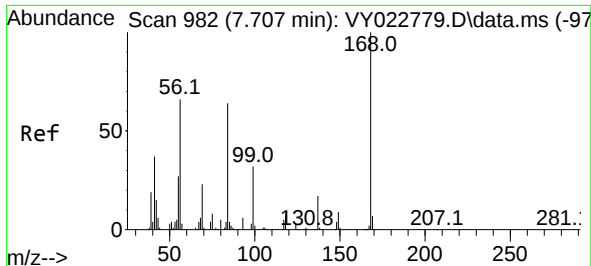
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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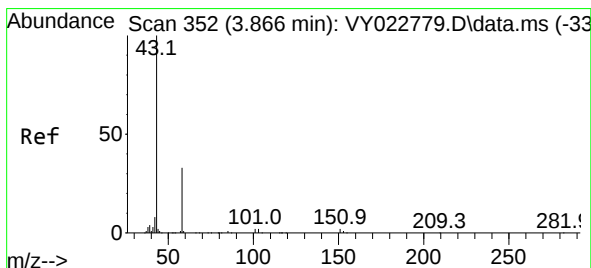
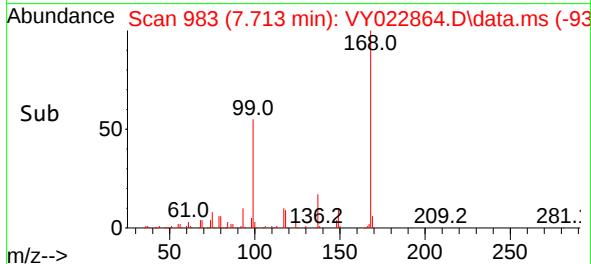
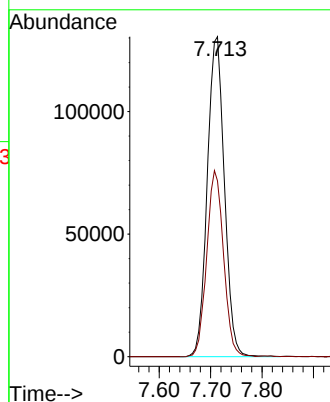
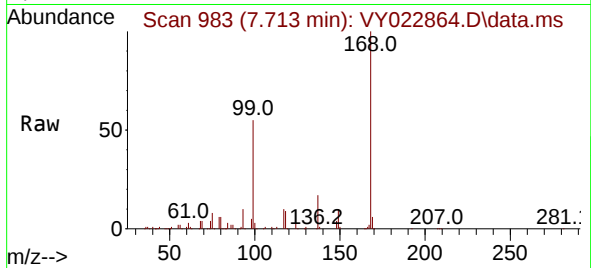




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

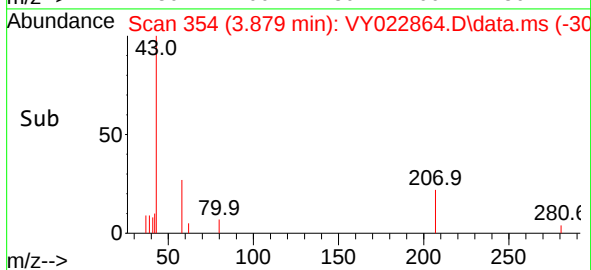
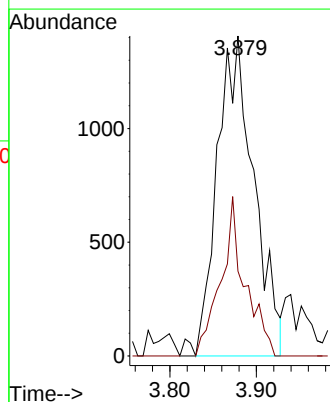
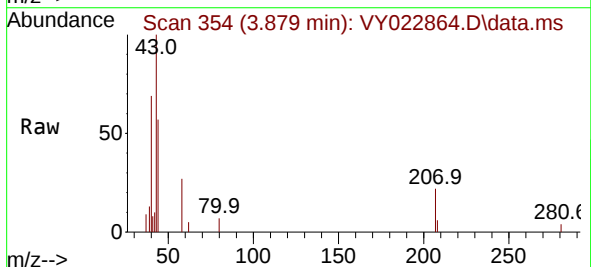
Instrument :
MSVOA_Y
ClientSampleId :
TP-99

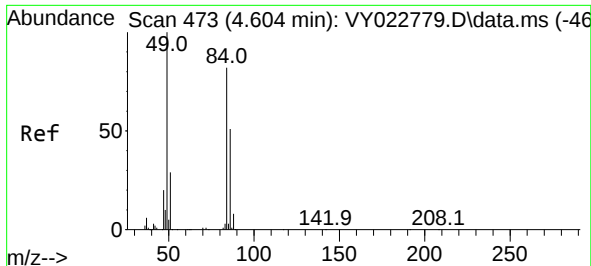
Tgt Ion:168 Resp: 301121
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#16
Acetone
Concen: 6.557 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 43 Resp: 4165
Ion Ratio Lower Upper
43 100
58 26.5 24.0 36.0

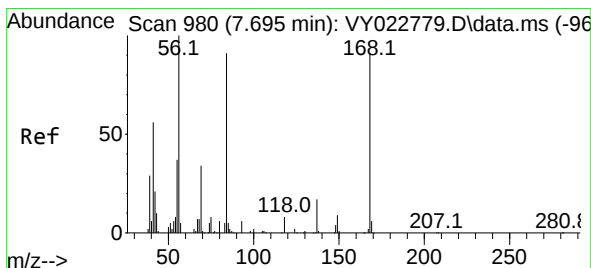
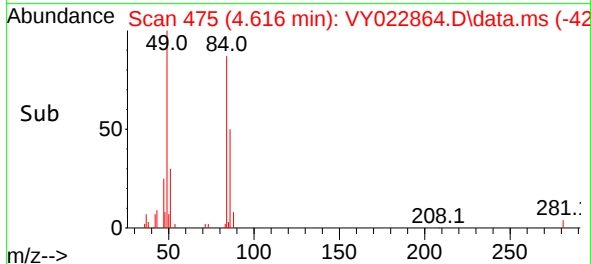
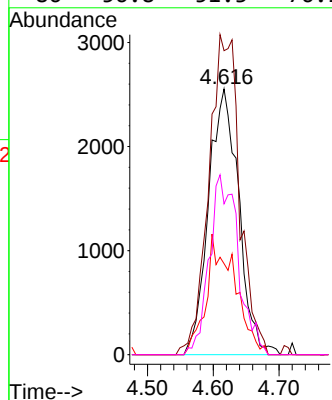
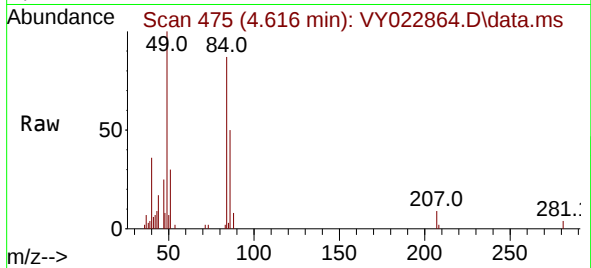




#20
Methylene Chloride
Concen: 2.039 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

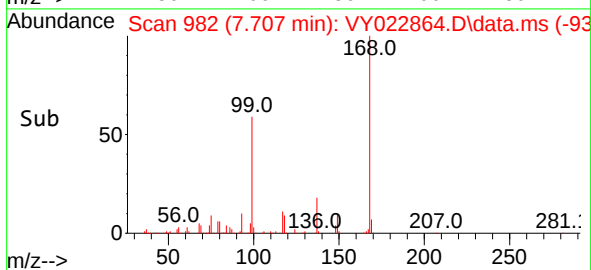
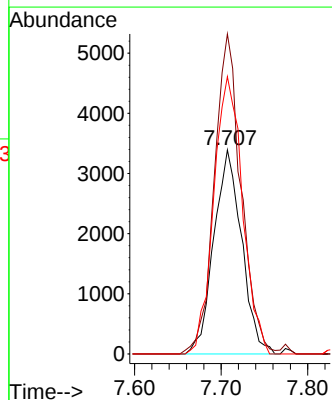
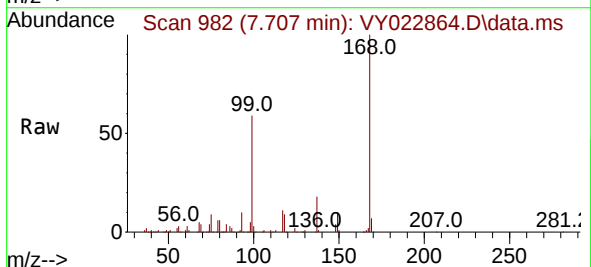
Instrument :
MSVOA_Y
ClientSampleId :
TP-99

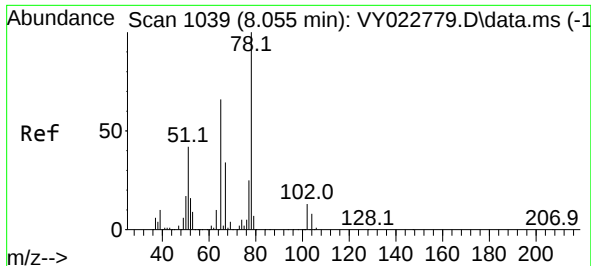
Tgt Ion:	84	Resp:	8178
Ion	Ratio	Lower	Upper
84	100		
49	114.4	101.9	152.9
51	34.3	29.8	44.8
86	56.8	51.3	76.9



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion:	56	Resp:	7566
Ion	Ratio	Lower	Upper
56	100		
69	156.8	27.0	40.6#
84	135.9	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.211 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022864.D

Acq: 27 Jun 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

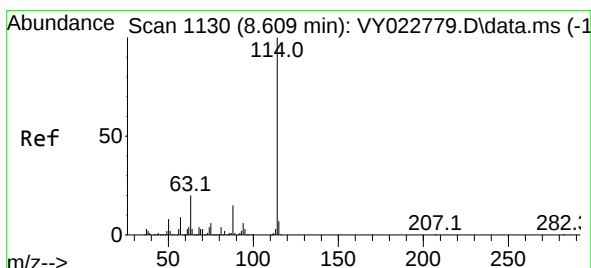
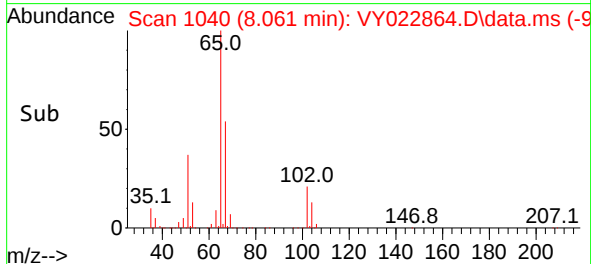
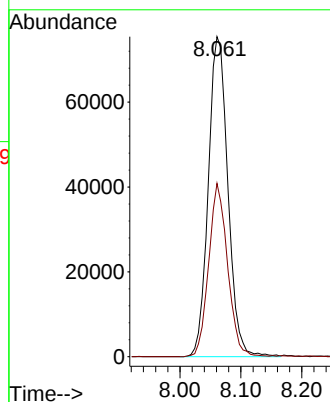
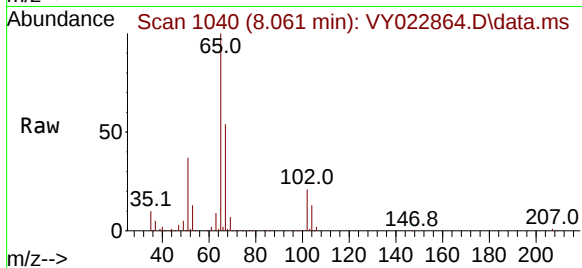
TP-99

Tgt Ion: 65 Resp: 168750

Ion Ratio Lower Upper

65 100

67 52.1 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: VY022864.D

Acq: 27 Jun 2025 16:06

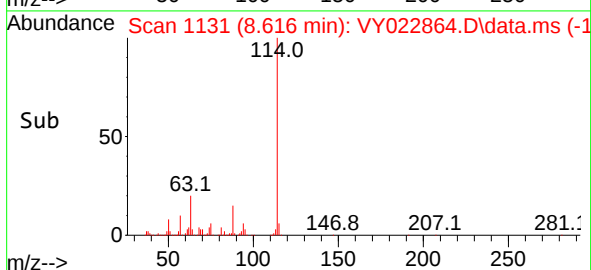
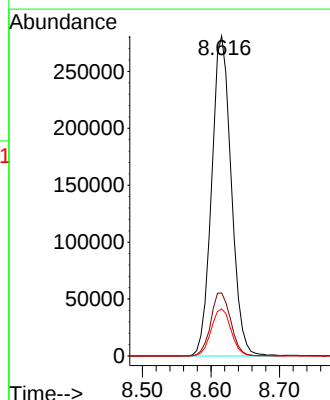
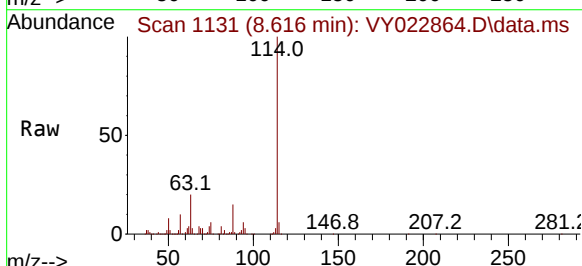
Tgt Ion: 114 Resp: 558142

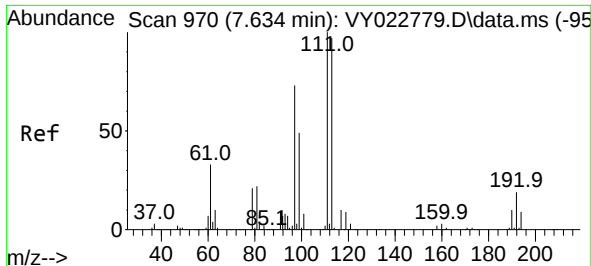
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.7 0.0 27.8

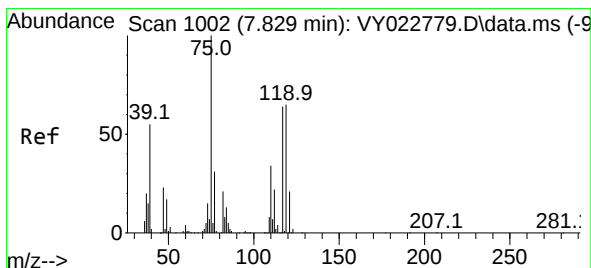
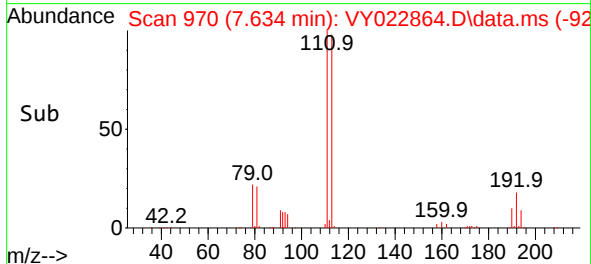
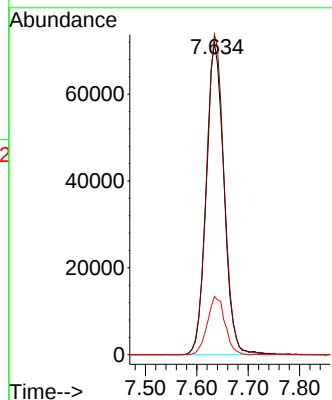
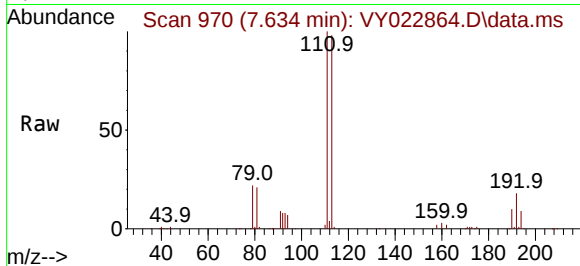




#35
Dibromofluoromethane
Concen: 50.683 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

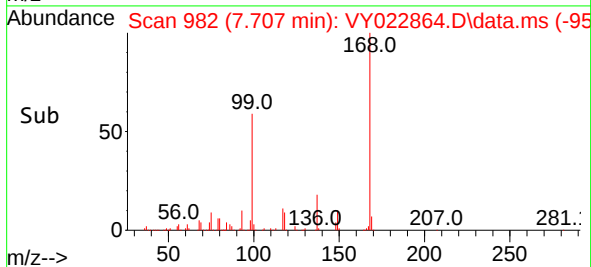
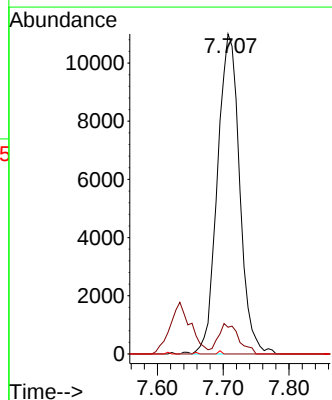
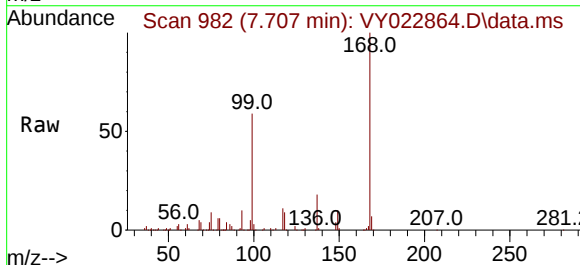
Instrument :
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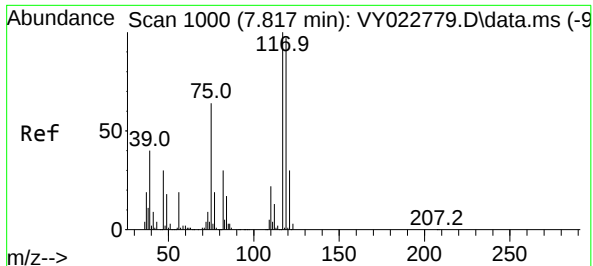
Tgt Ion:113 Resp: 172035
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.024 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 75 Resp: 25847
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.2 24.8 37.2#

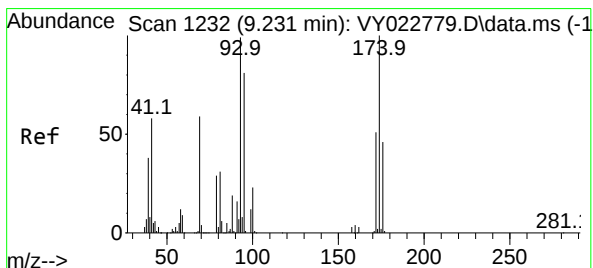
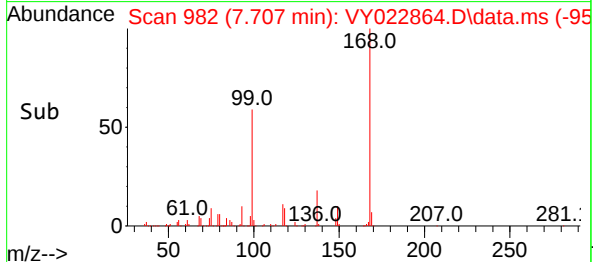
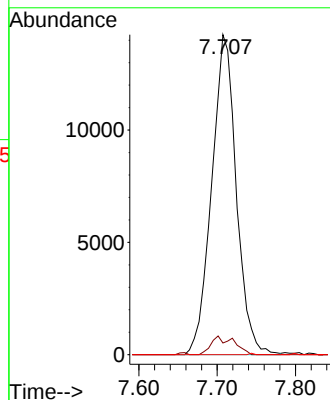
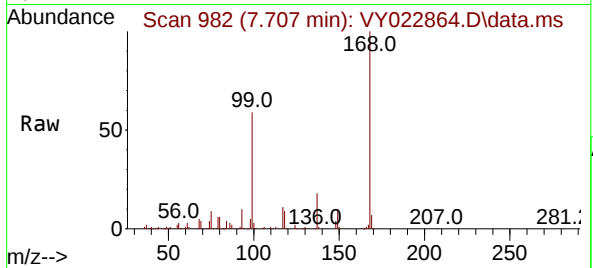




#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

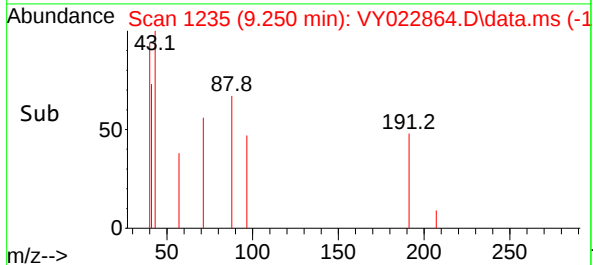
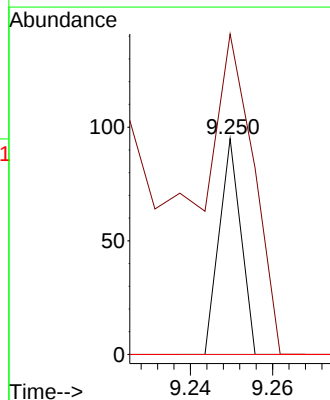
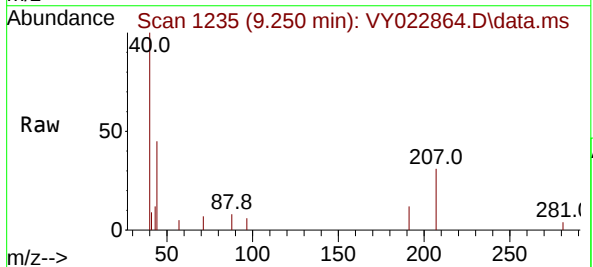
Instrument :
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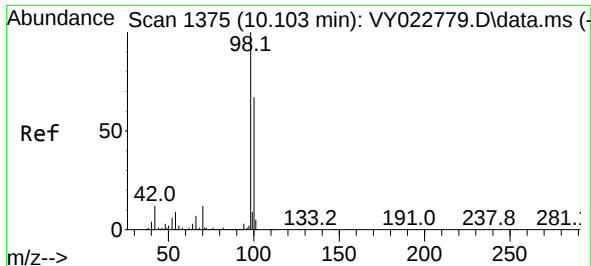
Tgt Ion:117 Resp: 31105
Ion Ratio Lower Upper
117 100
119 3.7 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.410 ug/l
RT: 9.250 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 548.6 25.4 38.2#
58 0.0 54.9 82.3#

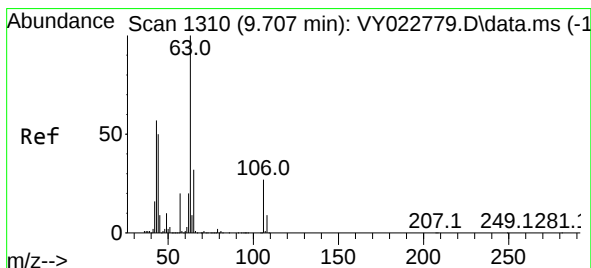
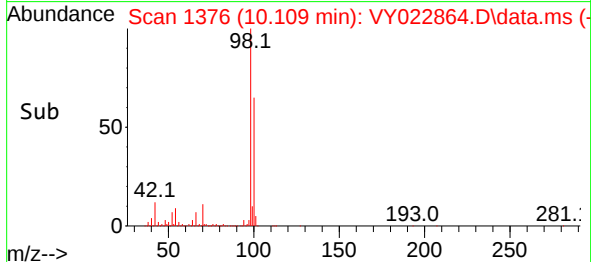
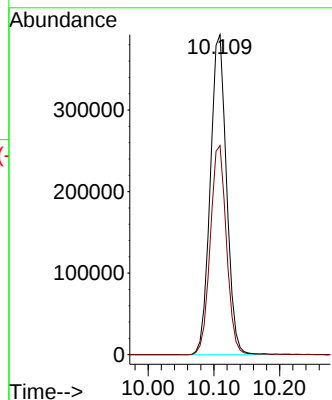
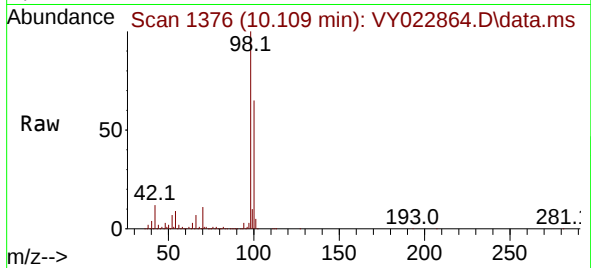




#50
Toluene-d8
Concen: 50.034 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

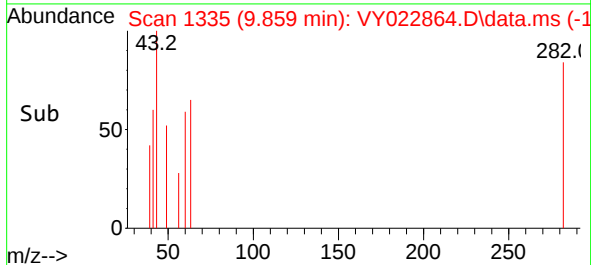
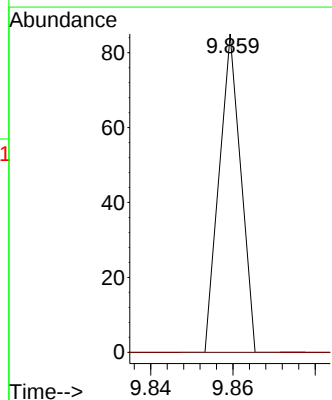
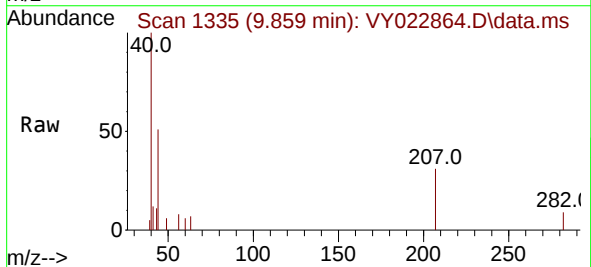
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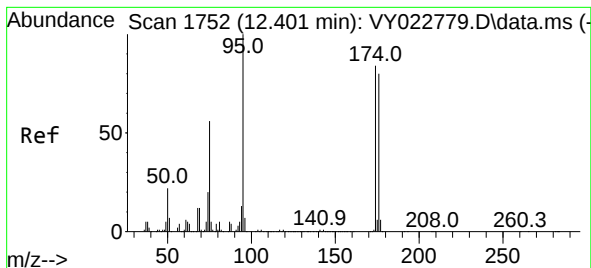
Tgt Ion: 98 Resp: 673924
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.670 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.146 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

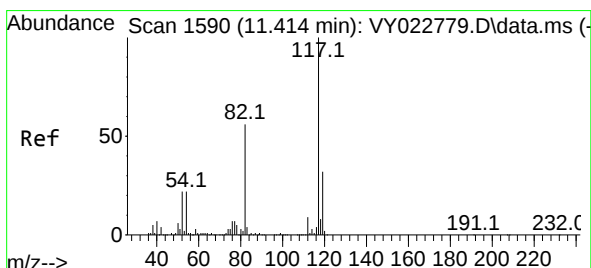
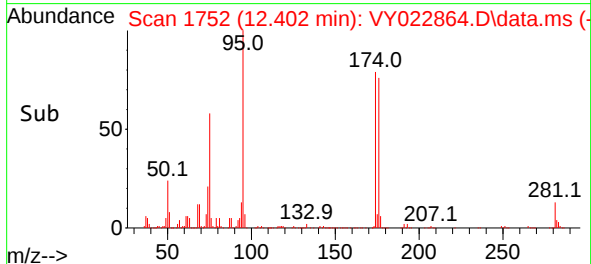
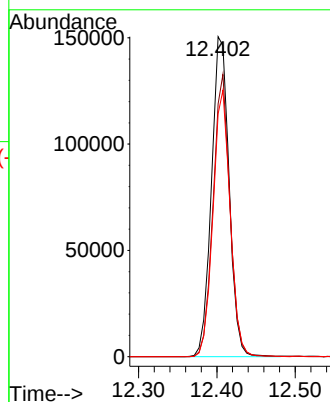
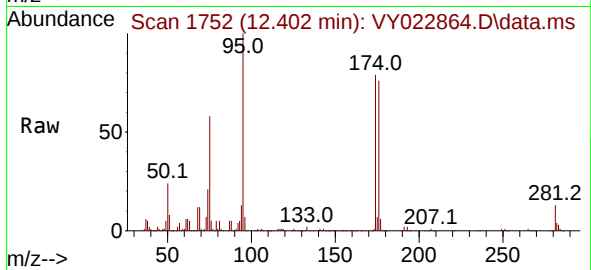




#62
4-Bromofluorobenzene
Concen: 54.265 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

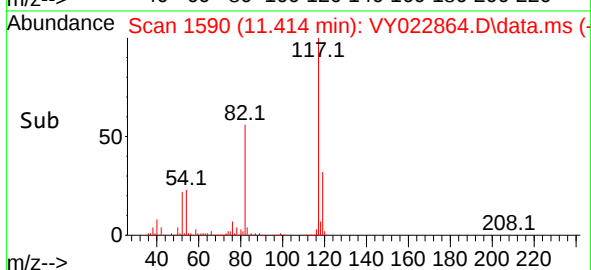
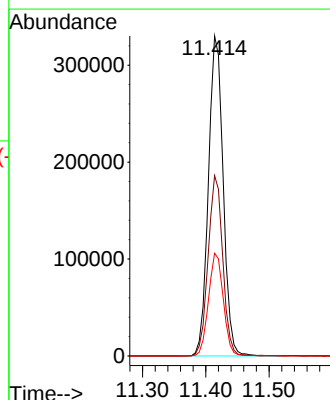
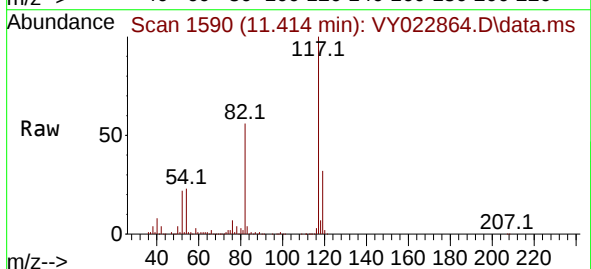
Instrument :
MSVOA_Y
ClientSampleId :
TP-99

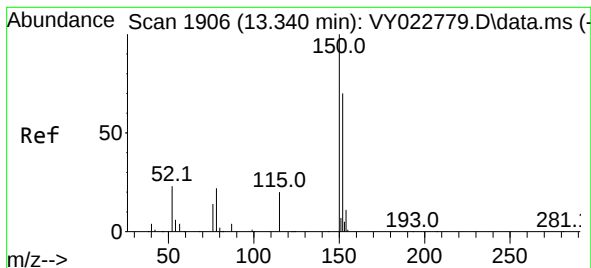
Tgt Ion: 95 Resp: 234963
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 117 Resp: 536522
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY022864.D

Acq: 27 Jun 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-99

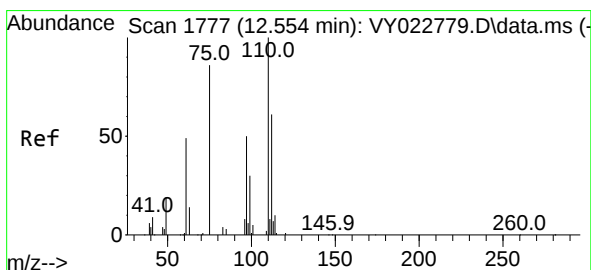
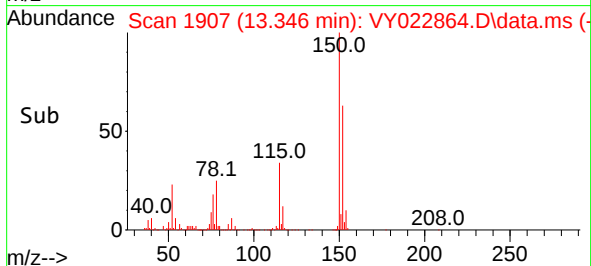
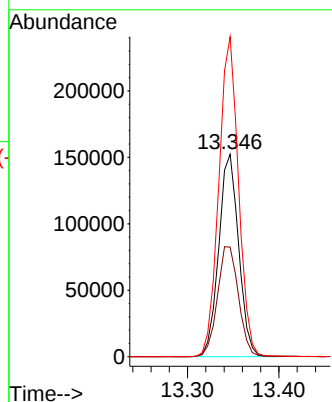
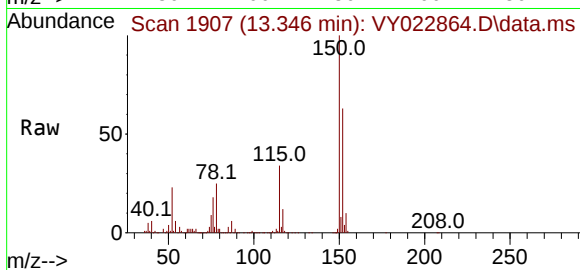
Tgt Ion:152 Resp: 230605

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.5 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 57.116 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022864.D

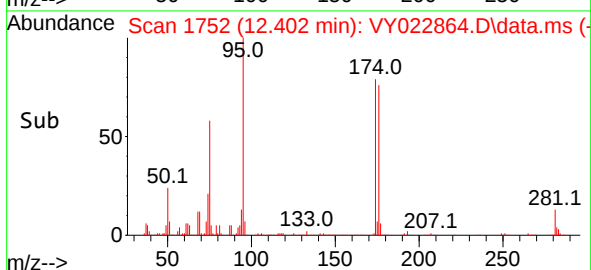
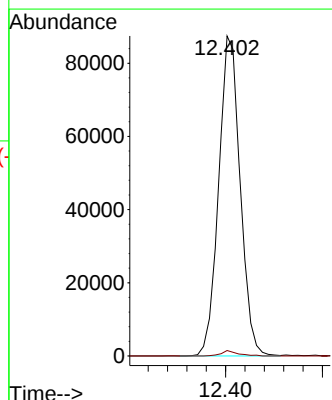
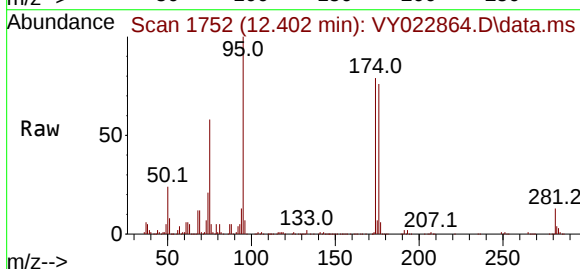
Acq: 27 Jun 2025 16:06

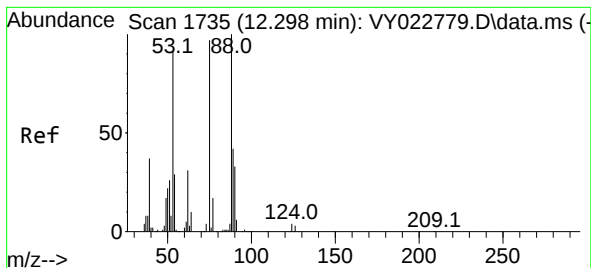
Tgt Ion: 75 Resp: 134467

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.297 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022864.D
 Acq: 27 Jun 2025 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-99

Tgt Ion: 75 Resp: 134467
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.2 35.7 53.5#

