

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022551.D
 Acq On : 04 Jun 2025 15:24
 Operator : SY/MD
 Sample : Q2199-06
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11978

Quant Time: Jun 05 04:17:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

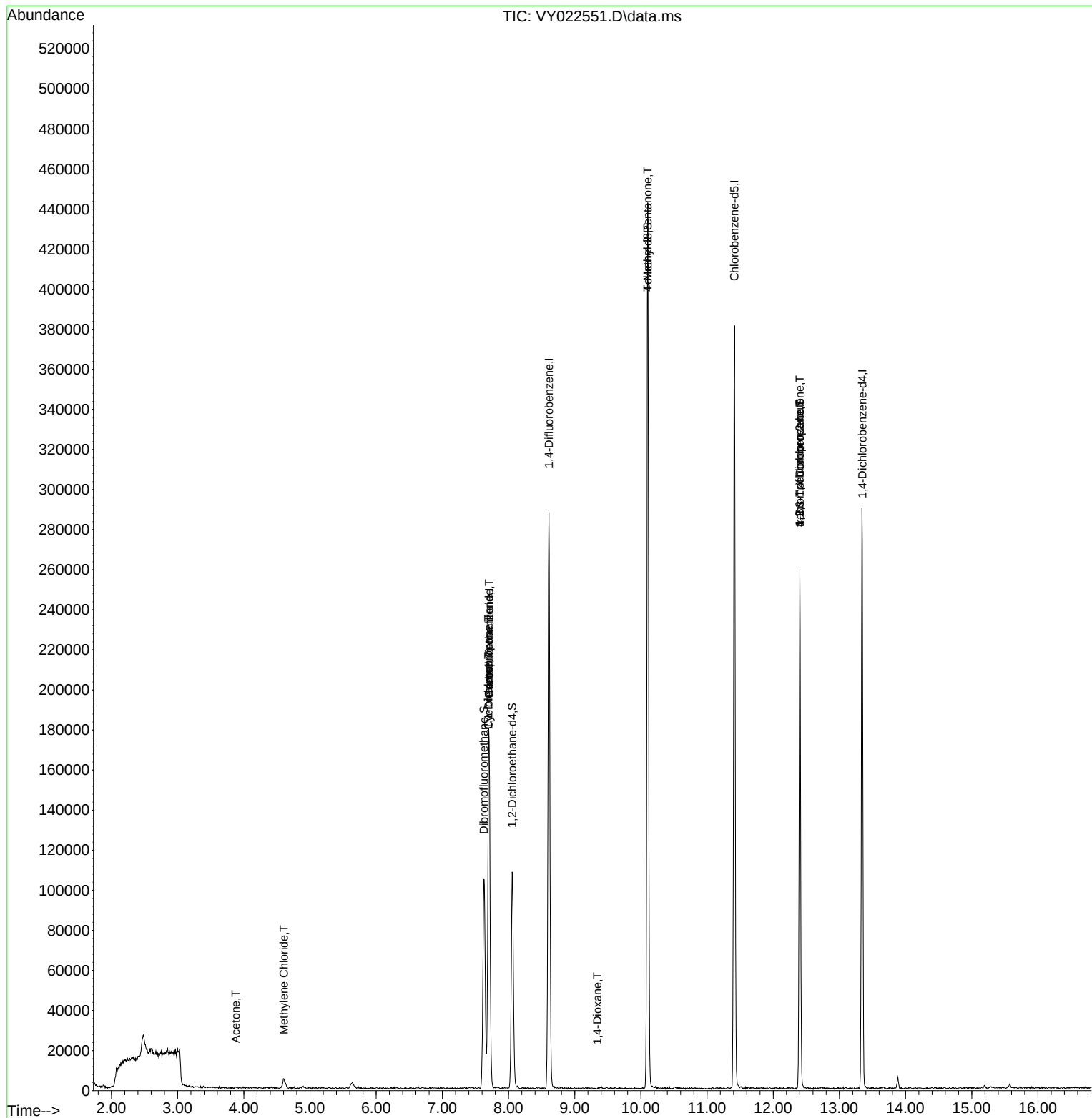
Internal Standards						
1) Pentafluorobenzene	7.707	168	133191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	237754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	186808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	66998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	81414	54.652	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.300%	
35) Dibromofluoromethane	7.628	113	72382	51.005	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.020%	
50) Toluene-d8	10.103	98	280423	48.905	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.401	95	70259	41.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	353	1.167	ug/l #	45
20) Methylene Chloride	4.604	84	3128	1.820	ug/l	91
31) Cyclohexane	7.695	56	3912	1.367	ug/l #	63
36) 1,1-Dichloropropene	7.695	75	12252	5.320	ug/l #	51
38) Carbon Tetrachloride	7.707	117	13868	5.869	ug/l #	18
49) 1,4-Dioxane	9.341	88	27	2.520	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	1649	1.491	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	42300	55.187	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	42300	133.274	ug/l #	11

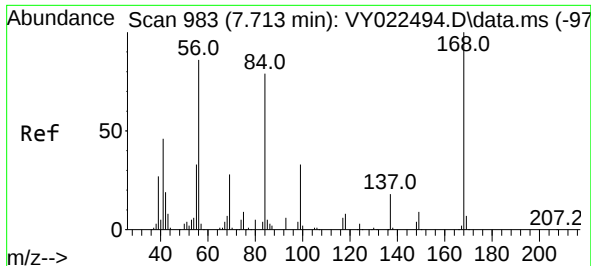
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
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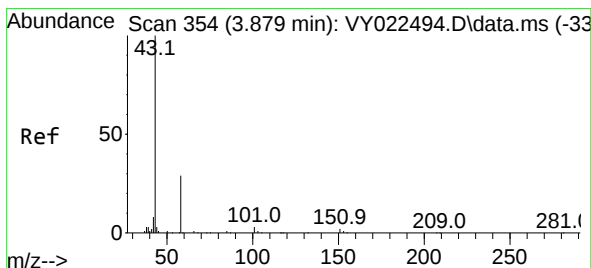
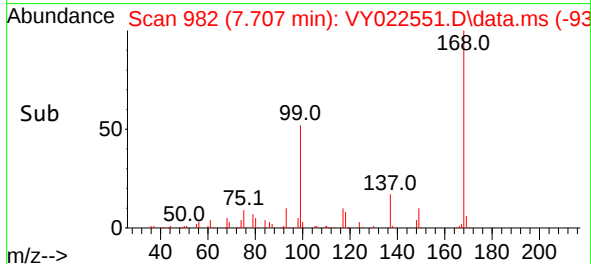
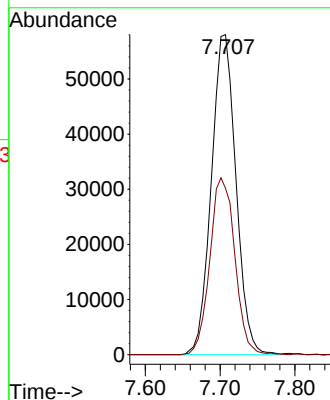
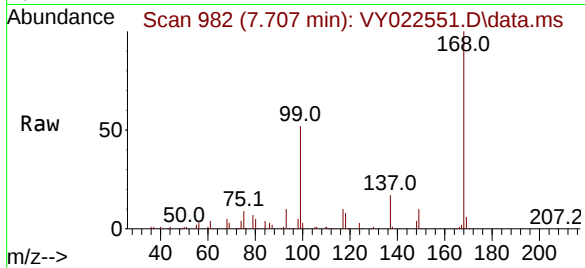




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

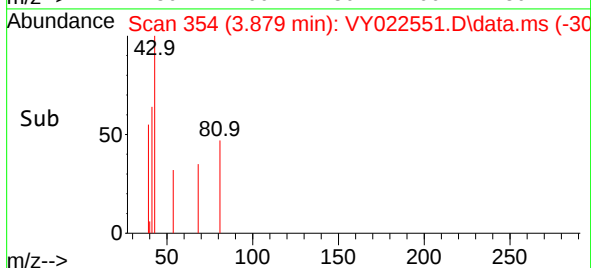
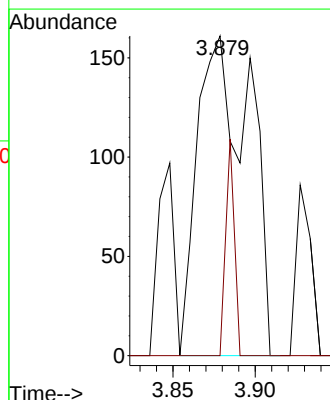
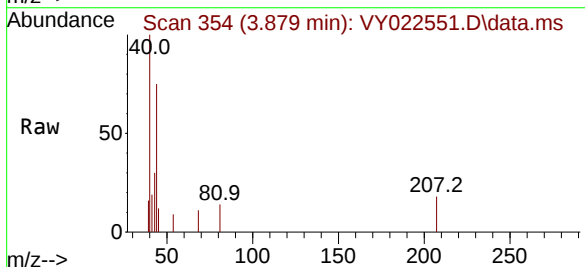
Instrument :
MSVOA_Y
ClientSampleId :
72-11978

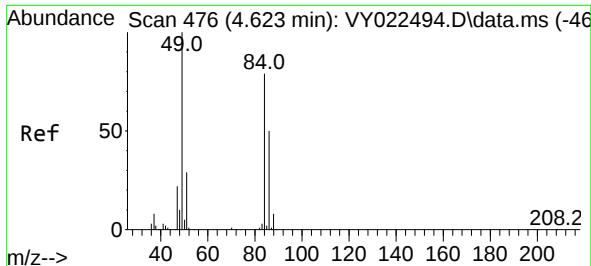
Tgt Ion:168 Resp: 133191
Ion Ratio Lower Upper
168 100
99 52.0 44.3 66.5



#16
Acetone
Concen: 1.167 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

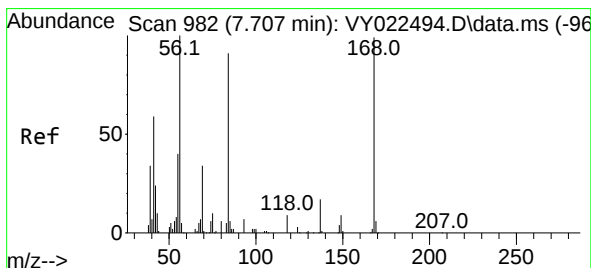
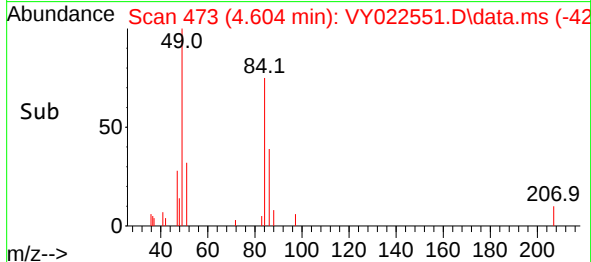
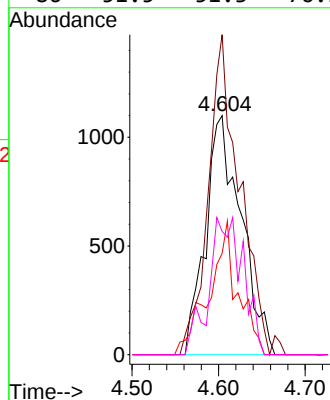
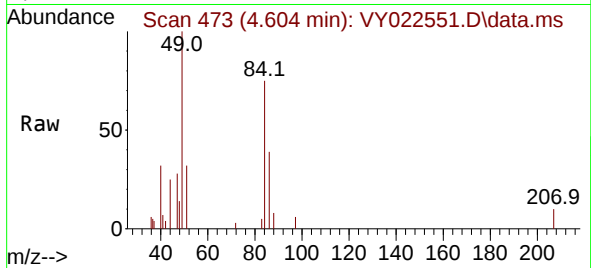




#20
Methylene Chloride
Concen: 1.820 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

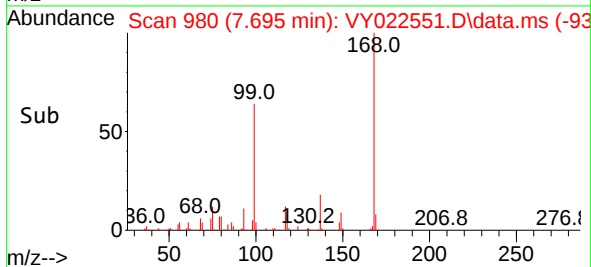
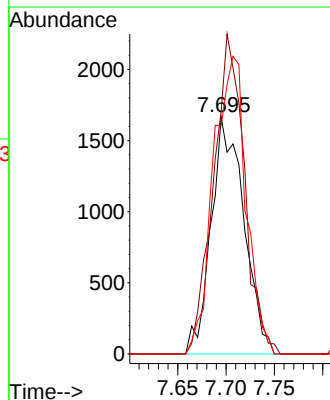
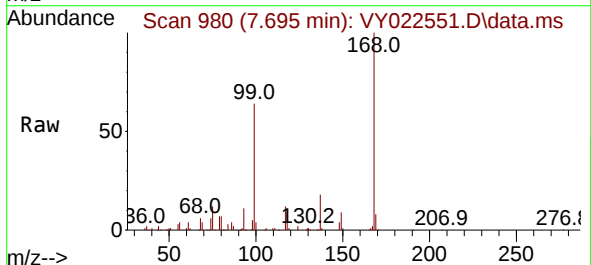
Instrument :
MSVOA_Y
ClientSampleId :
72-11978

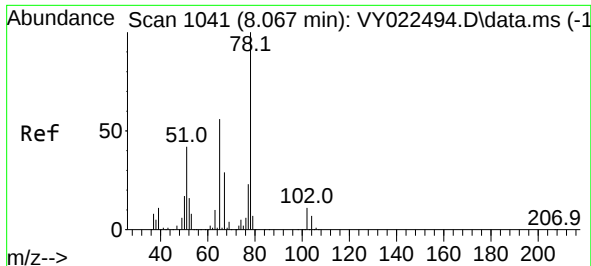
Tgt Ion:	84	Resp:	3128
Ion	Ratio	Lower	Upper
84	100		
49	133.8	101.9	152.9
51	42.4	29.8	44.8
86	51.5	51.3	76.9



#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion:	56	Resp:	3912
Ion	Ratio	Lower	Upper
56	100		
69	102.5	27.0	40.6#
84	96.4	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 54.652 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022551.D

Acq: 04 Jun 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

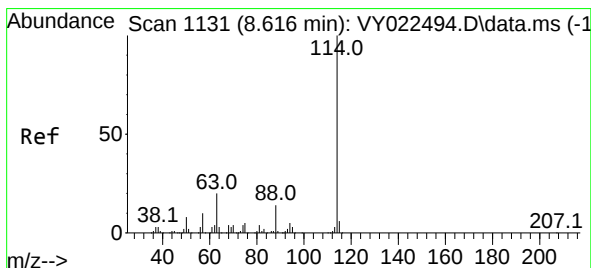
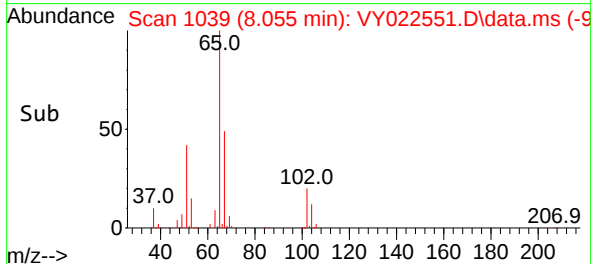
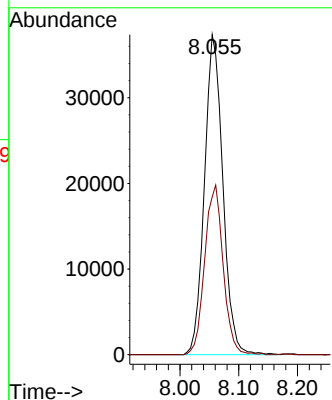
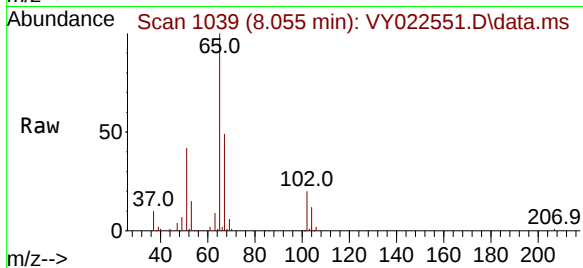
72-11978

Tgt Ion: 65 Resp: 81414

Ion Ratio Lower Upper

65 100

67 53.2 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: VY022551.D

Acq: 04 Jun 2025 15:24

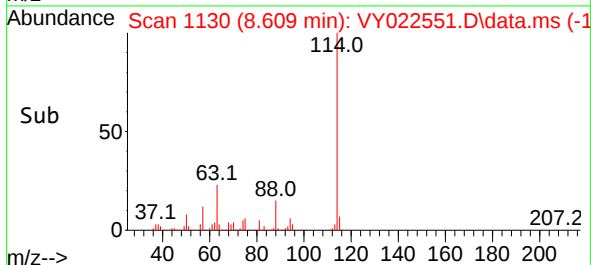
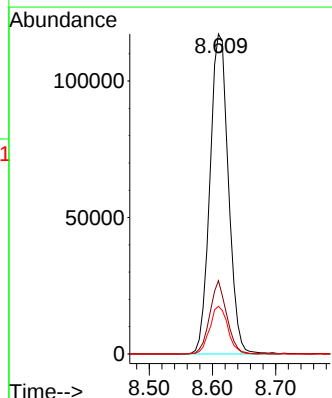
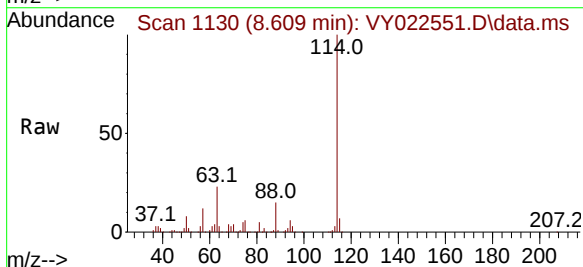
Tgt Ion: 114 Resp: 237754

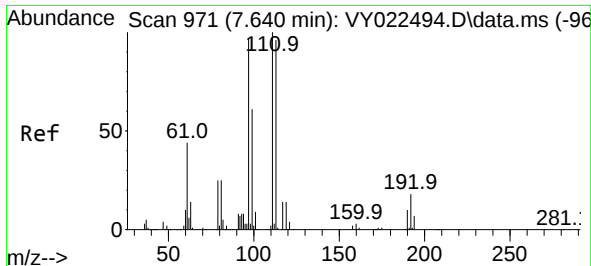
Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.8

88 14.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 7.628 min Scan# 90

Delta R.T. -0.012 min

Lab File: VY022551.D

Acq: 04 Jun 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

72-11978

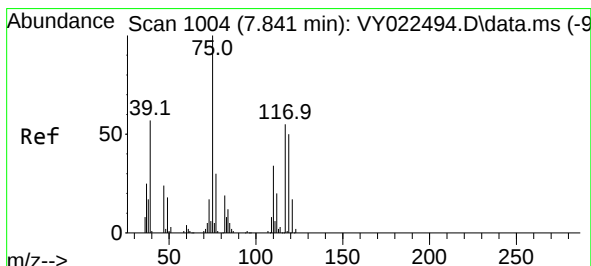
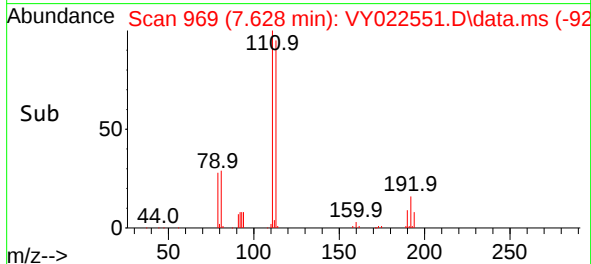
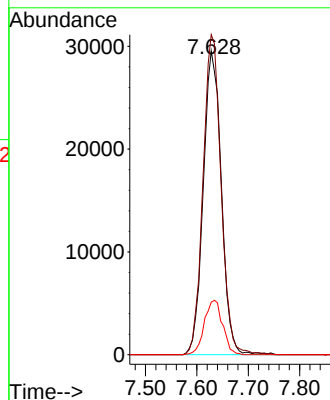
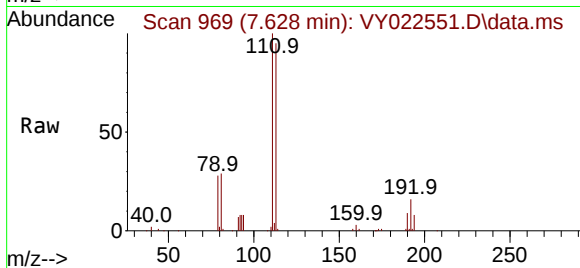
Tgt Ion:113 Resp: 72382

Ion Ratio Lower Upper

113 100

111 104.7 81.1 121.7

192 18.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.320 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.146 min

Lab File: VY022551.D

Acq: 04 Jun 2025 15:24

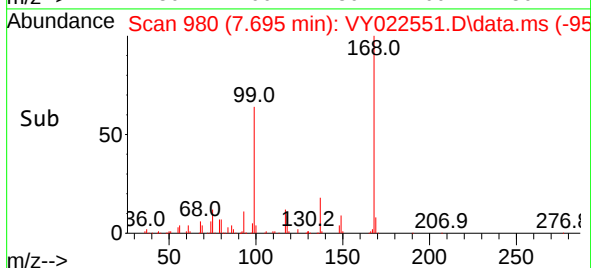
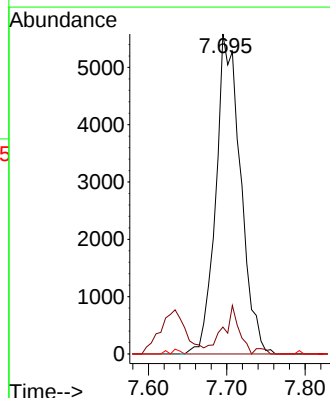
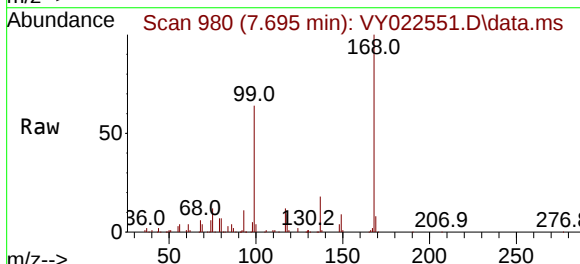
Tgt Ion: 75 Resp: 12252

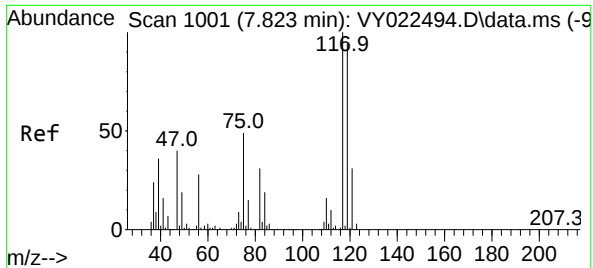
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.8 37.2#

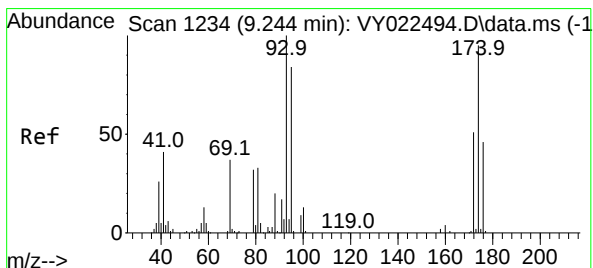
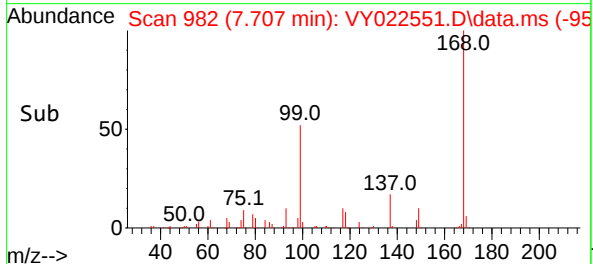
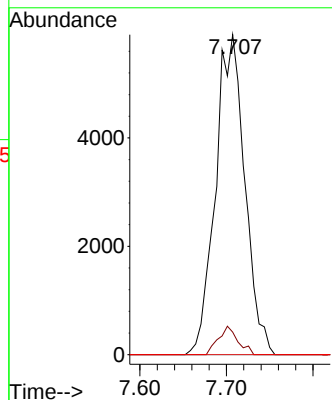
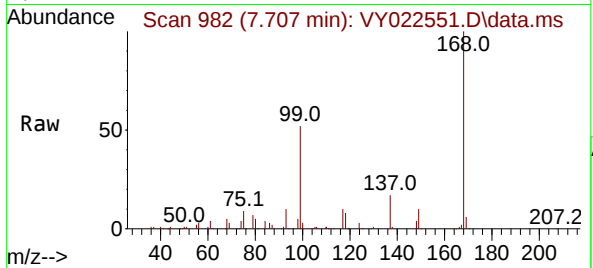




#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

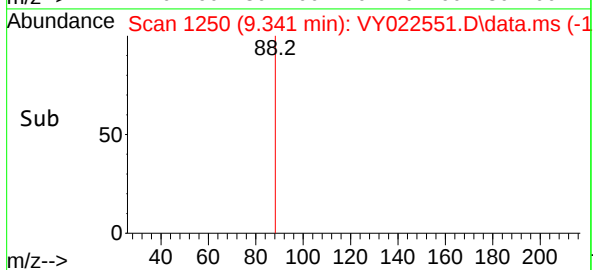
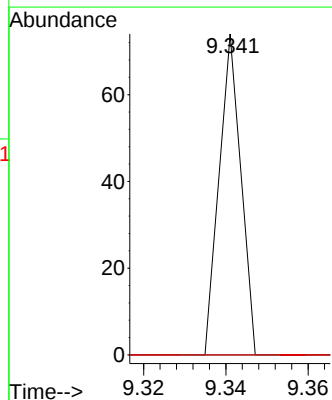
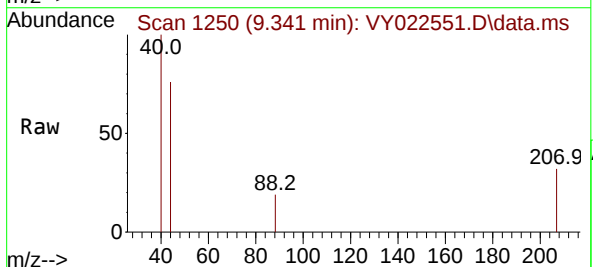
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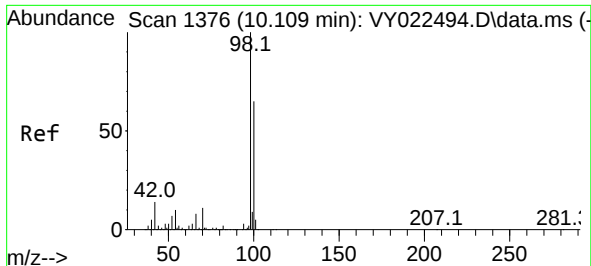
Tgt Ion: 117 Resp: 13868
Ion Ratio Lower Upper
117 100
119 7.1 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.520 ug/l
RT: 9.341 min Scan# 1250
Delta R.T. 0.097 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#

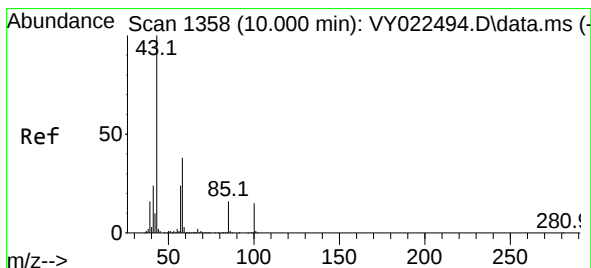
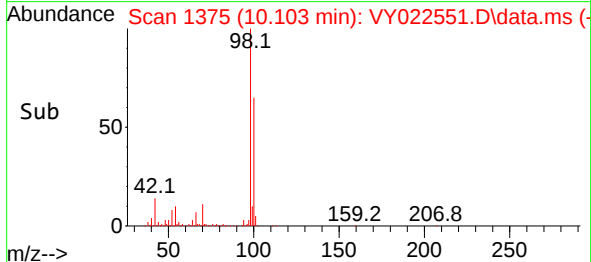
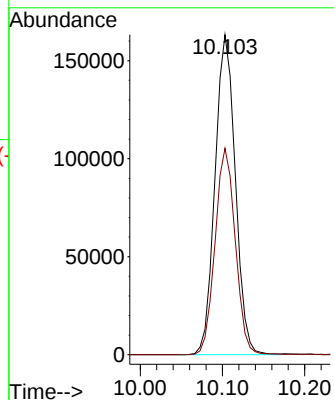
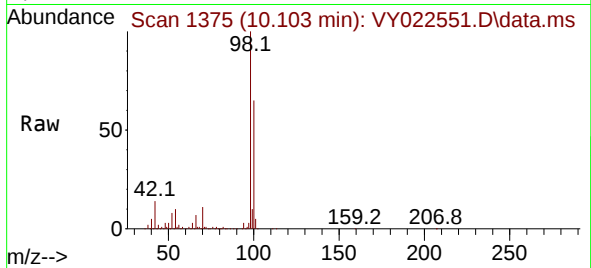




#50
Toluene-d8
Concen: 48.905 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

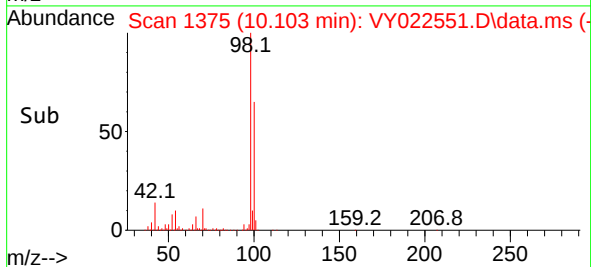
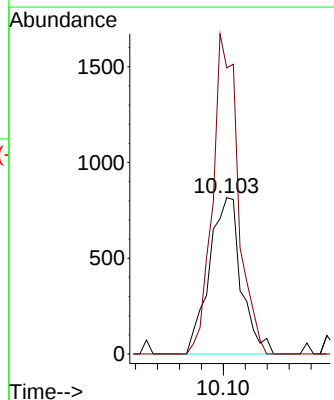
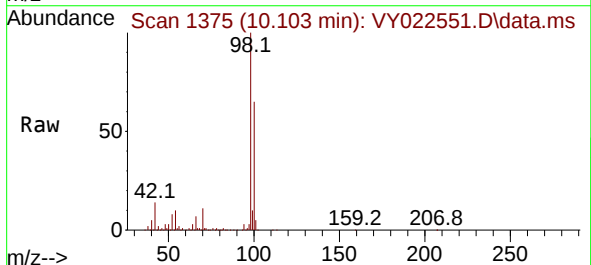
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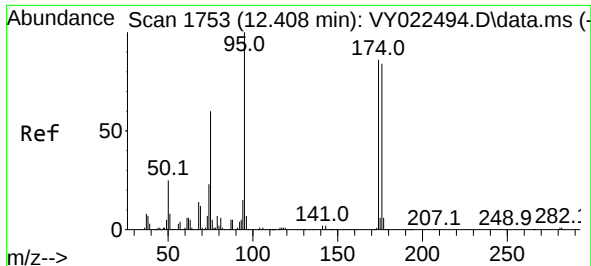
Tgt Ion: 98 Resp: 280423
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.491 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion: 43 Resp: 1649
Ion Ratio Lower Upper
43 100
58 164.1 30.4 45.6#

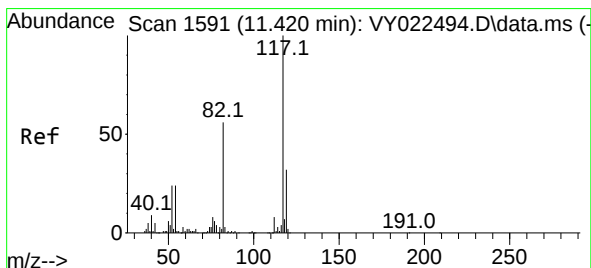
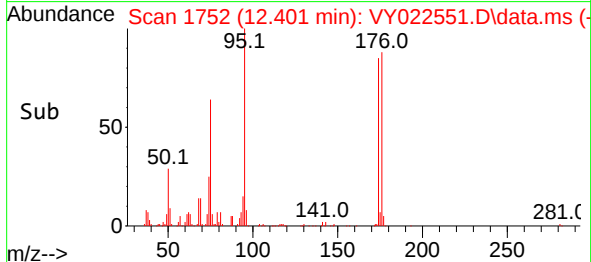
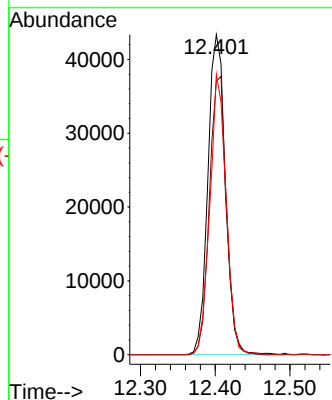
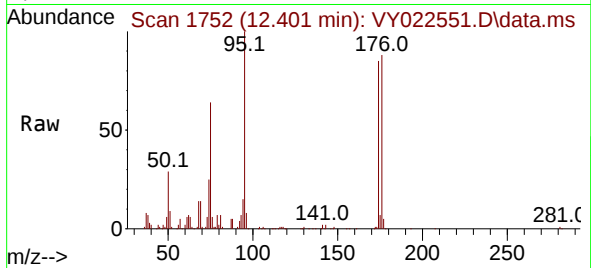




#62
4-Bromofluorobenzene
Concen: 41.124 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

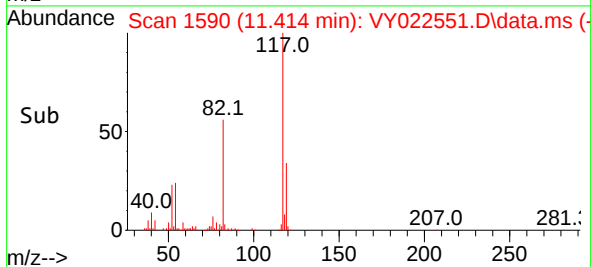
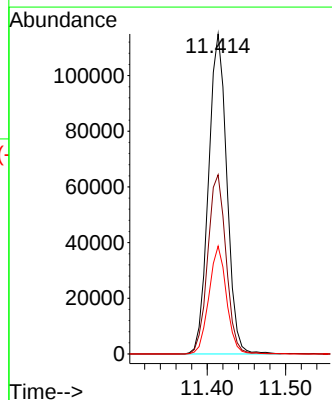
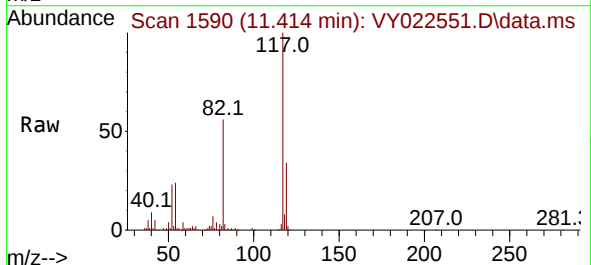
Instrument :
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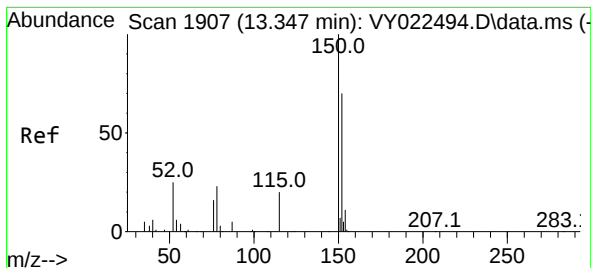
Tgt Ion: 95 Resp: 70259
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 81.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022551.D
Acq: 04 Jun 2025 15:24

Tgt Ion: 117 Resp: 186808
Ion Ratio Lower Upper
117 100
82 56.0 44.6 66.8
119 33.7 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: VY022551.D

Acq: 04 Jun 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

72-11978

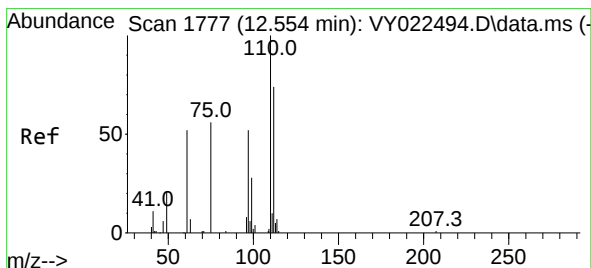
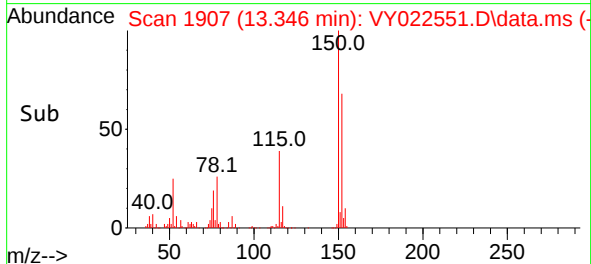
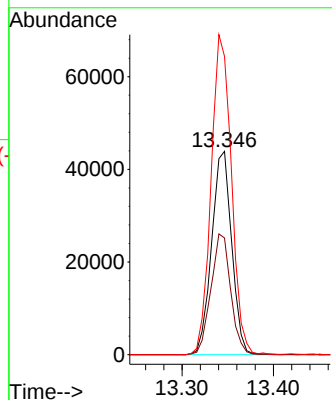
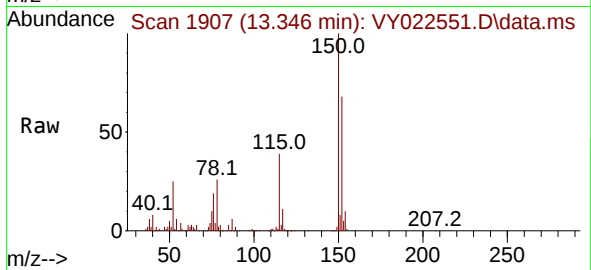
Tgt Ion:152 Resp: 66998

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 158.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 55.187 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022551.D

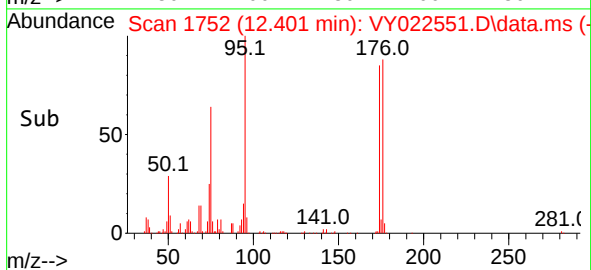
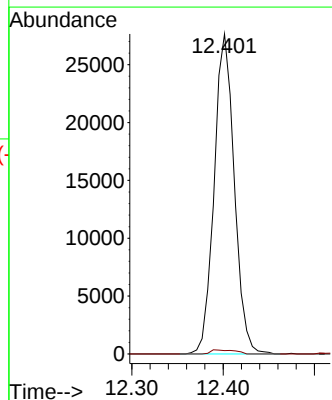
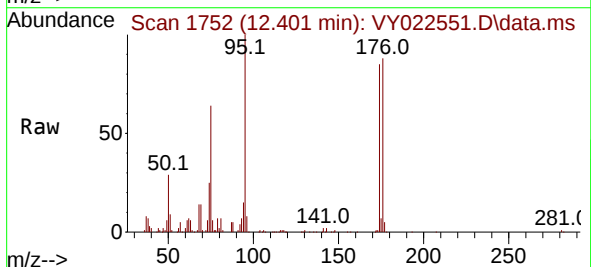
Acq: 04 Jun 2025 15:24

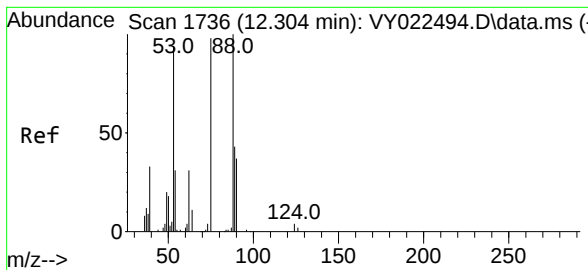
Tgt Ion: 75 Resp: 42300

Ion Ratio Lower Upper

75 100

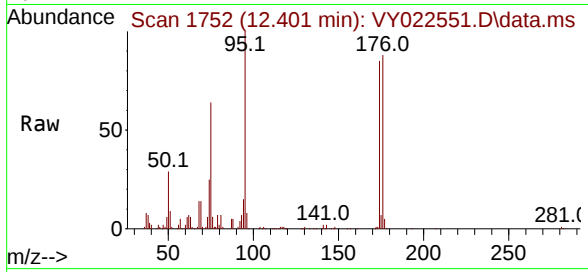
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.274 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022551.D
 Acq: 04 Jun 2025 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11978



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	78.5	117.7#
89	0.0	35.7	53.5#

