

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022528.D
 Acq On : 03 Jun 2025 17:22
 Operator : SY/MD
 Sample : Q2176-03
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-25

Quant Time: Jun 04 04:15:45 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)

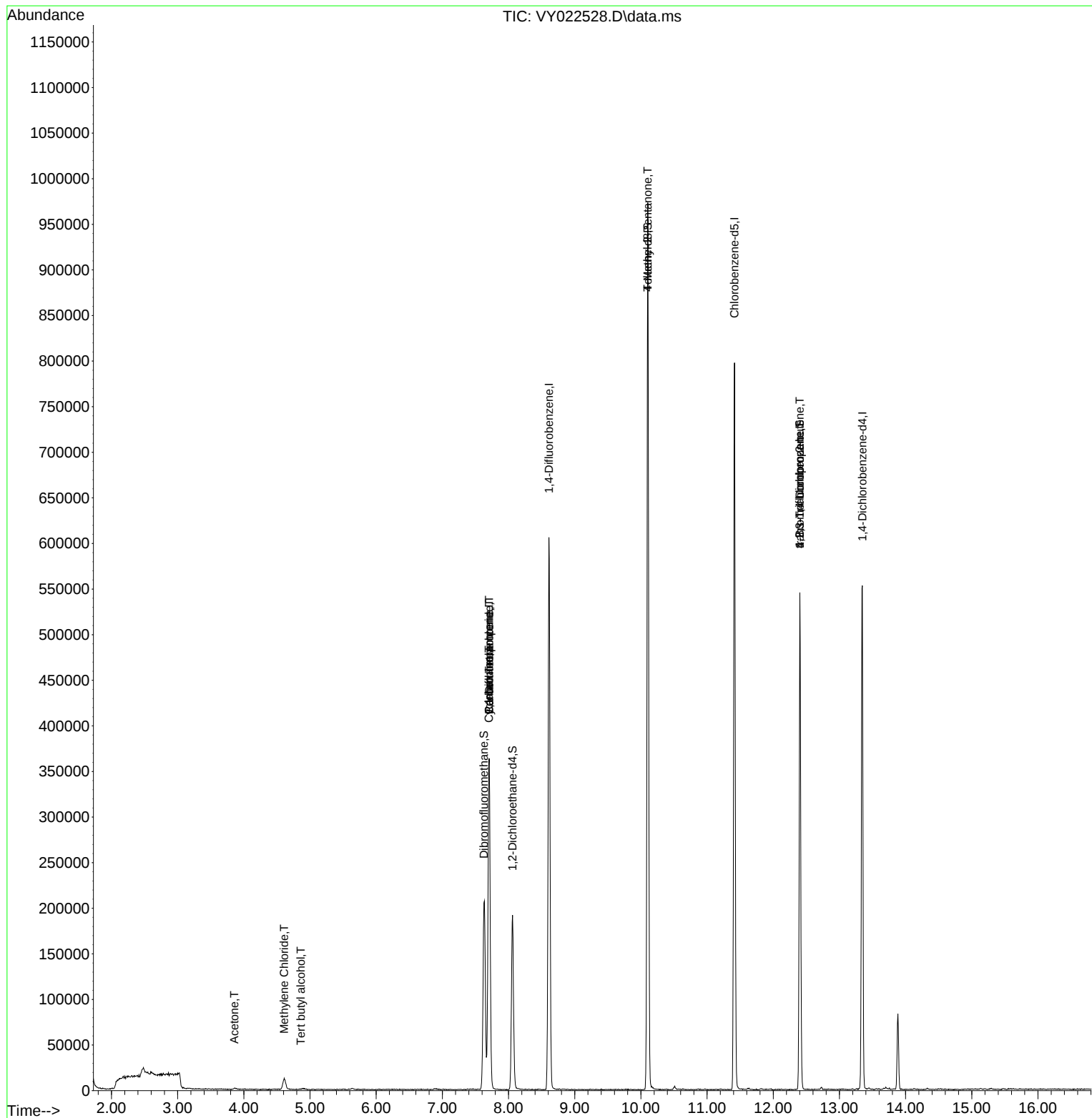
Internal Standards						
1) Pentafluorobenzene	7.707	168	277698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	501520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136425	43.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.840%
35) Dibromofluoromethane	7.628	113	144079	48.131	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.103	98	597801	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.402	95	141351	39.222	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	320	1.443	ug/l #	73
16) Acetone	3.854	43	1116	1.769	ug/l #	82
20) Methylene Chloride	4.610	84	8275	2.310	ug/l	89
31) Cyclohexane	7.701	56	7226	1.211	ug/l #	42
36) 1,1-Dichloropropene	7.707	75	24078	4.956	ug/l #	51
38) Carbon Tetrachloride	7.707	117	28429	5.704	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2990	1.282	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	82684	54.099	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	82684	130.645	ug/l #	11

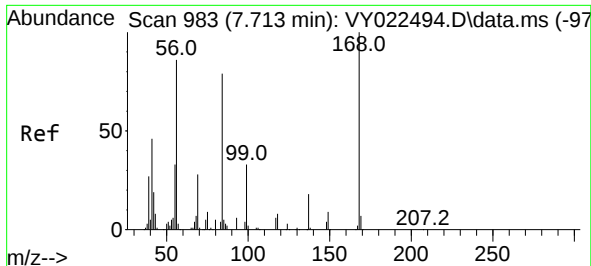
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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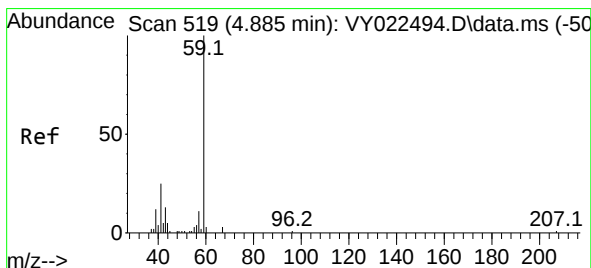
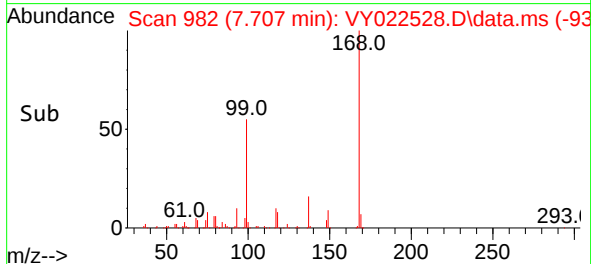
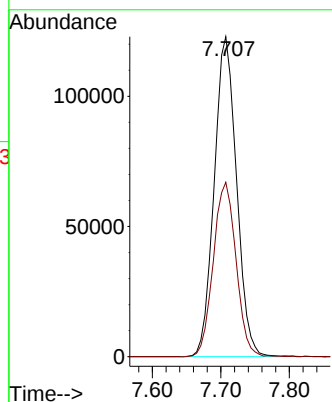
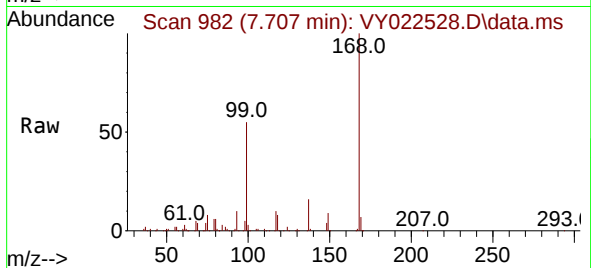




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

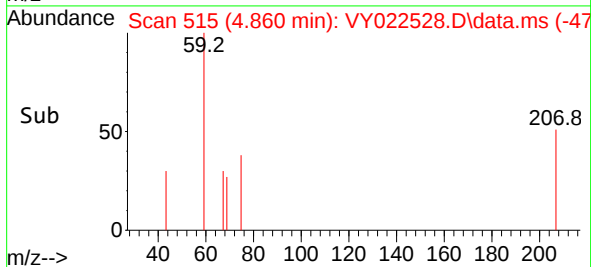
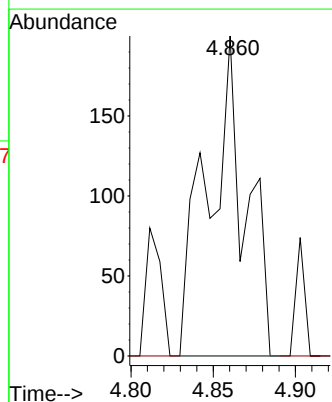
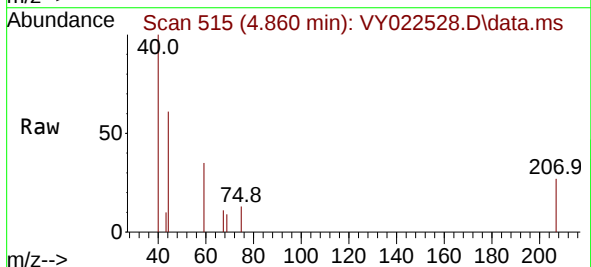
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

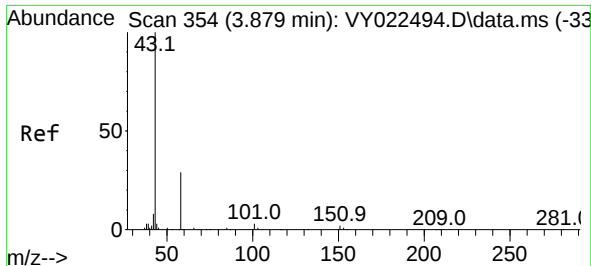
Tgt Ion:168 Resp: 277698
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 1.443 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.024 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

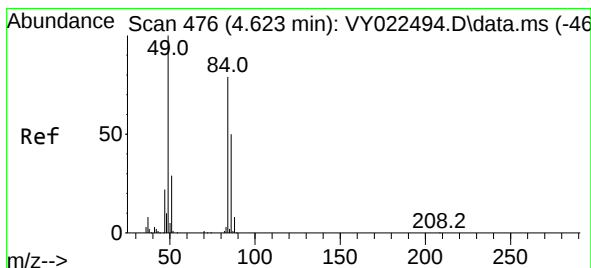
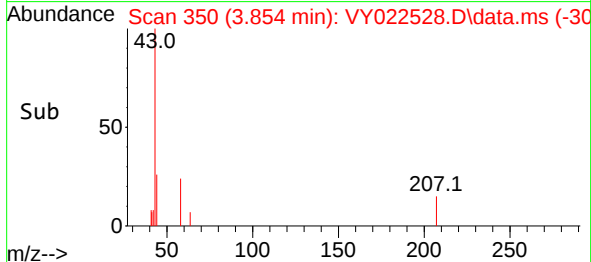
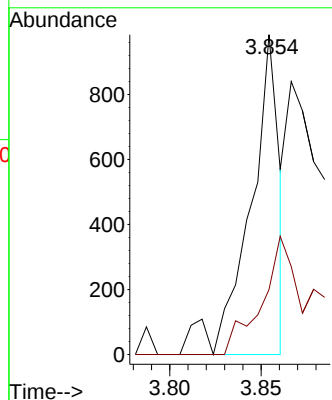
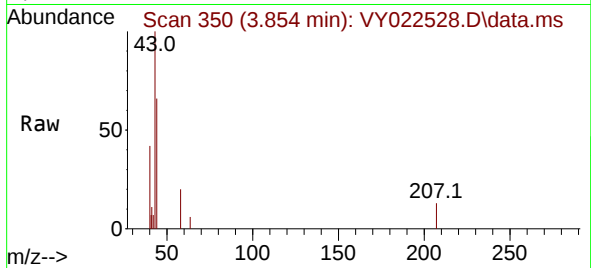




#16
Acetone
Concen: 1.769 ug/l
RT: 3.854 min Scan# 311
Delta R.T. -0.024 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

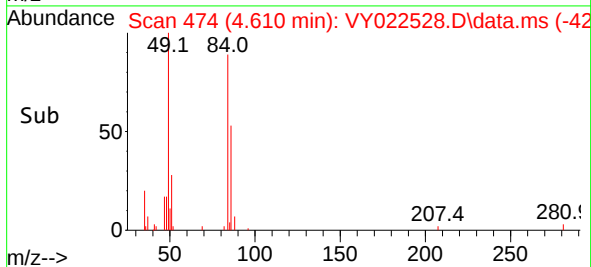
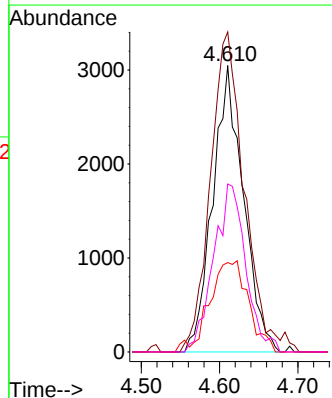
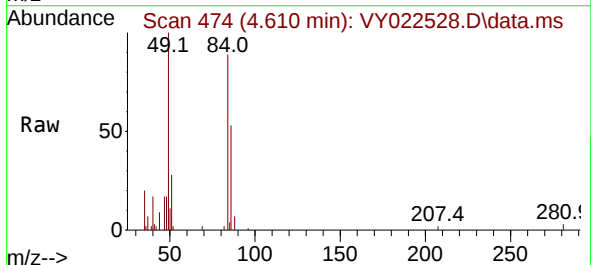
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

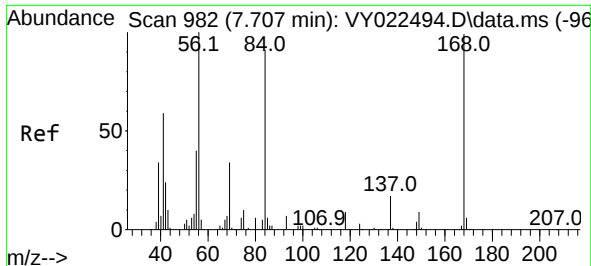
Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 20.3 24.0 36.0#



#20
Methylene Chloride
Concen: 2.310 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 84 Resp: 8275
Ion Ratio Lower Upper
84 100
49 111.7 101.9 152.9
51 31.2 29.8 44.8
86 58.7 51.3 76.9

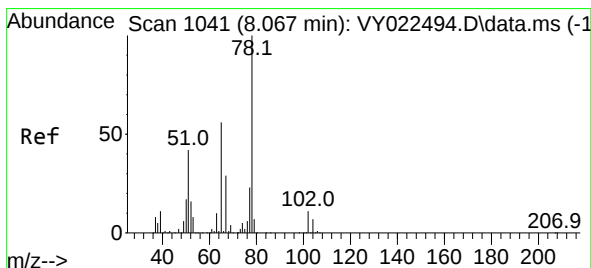
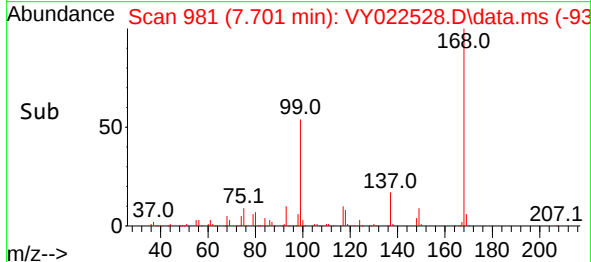
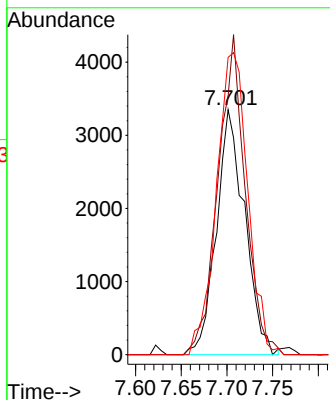
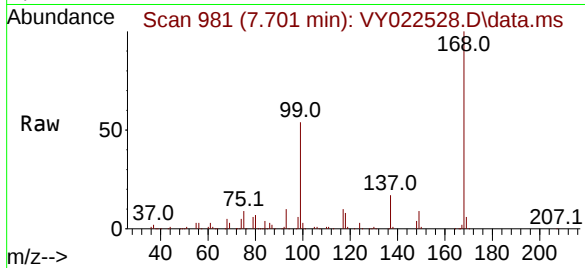




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

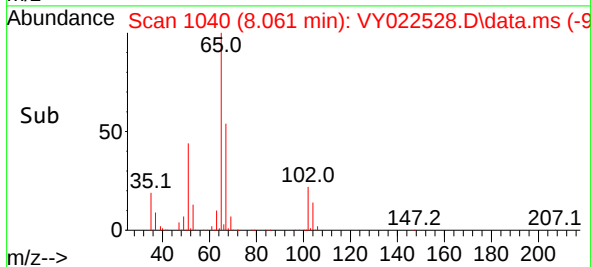
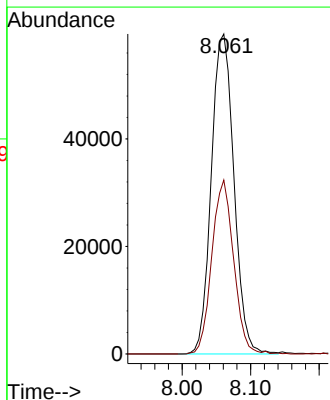
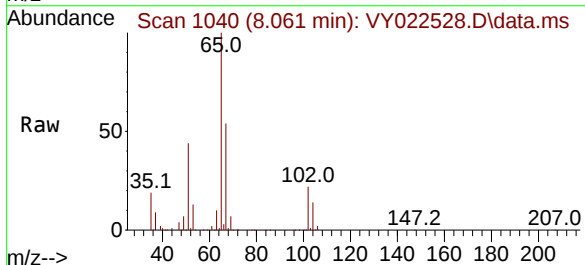
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

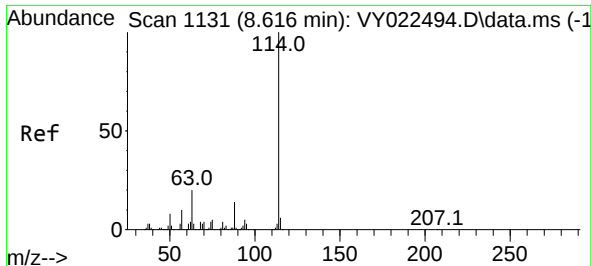
Tgt Ion: 56 Resp: 7226
Ion Ratio Lower Upper
56 100
69 105.7 27.0 40.6#
84 121.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 43.925 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 65 Resp: 136425
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

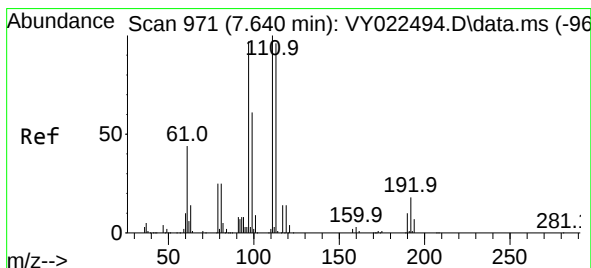
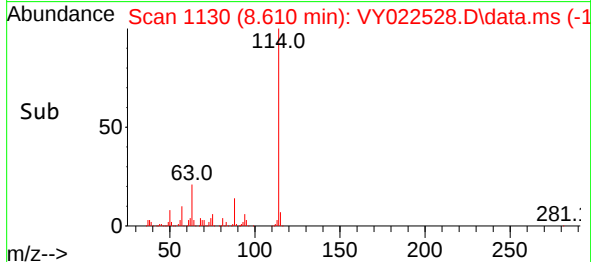
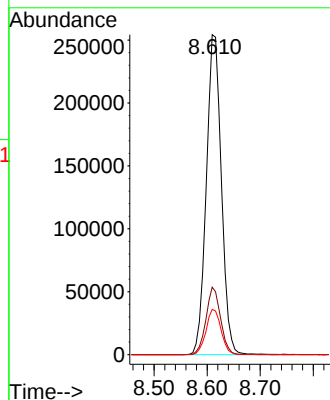
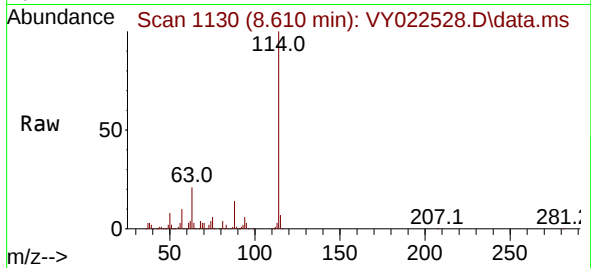




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

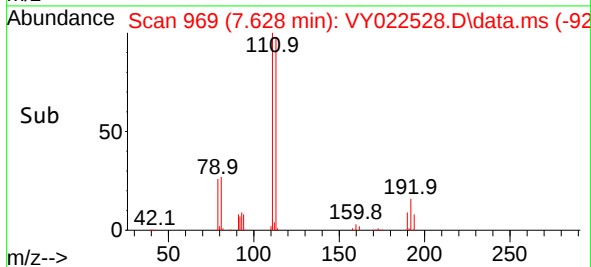
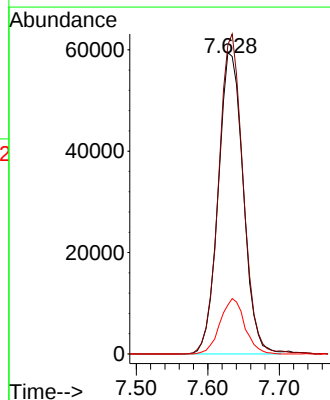
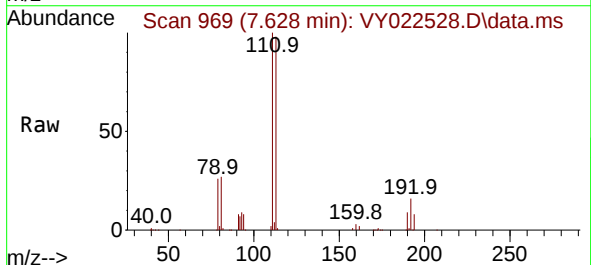
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

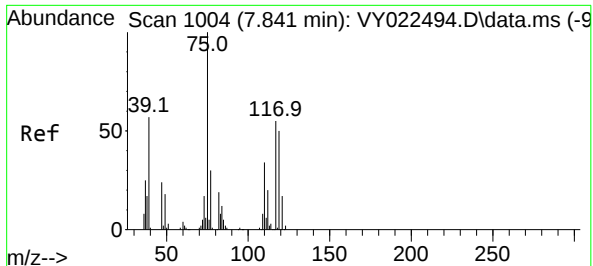
Tgt Ion:114 Resp: 501520
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 14.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 48.131 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion:113 Resp: 144079
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 18.1 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-25

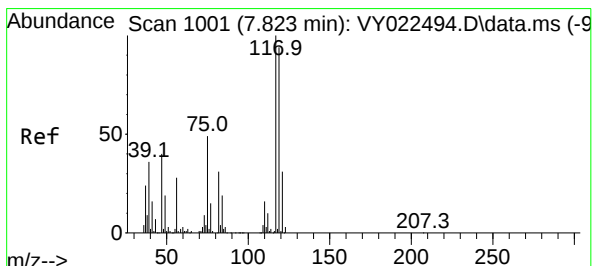
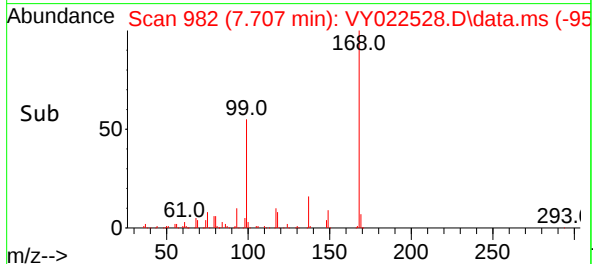
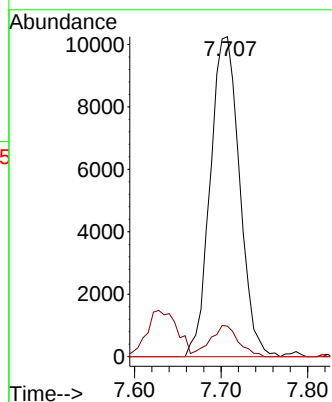
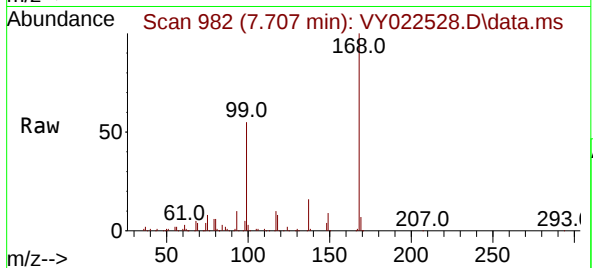
Tgt Ion: 75 Resp: 24078

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.704 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

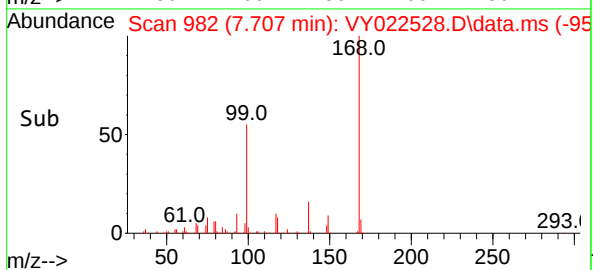
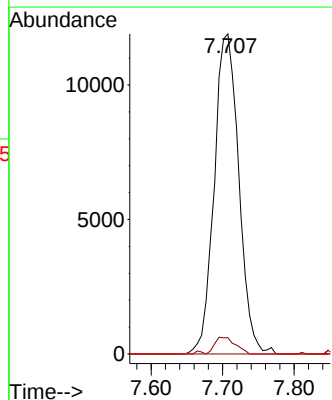
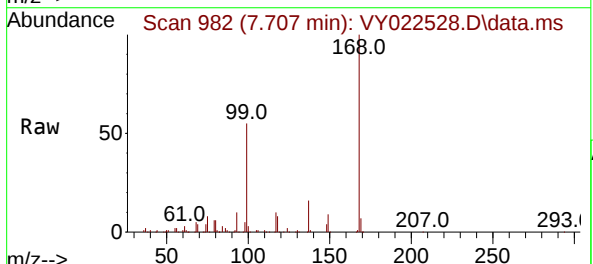
Tgt Ion: 117 Resp: 28429

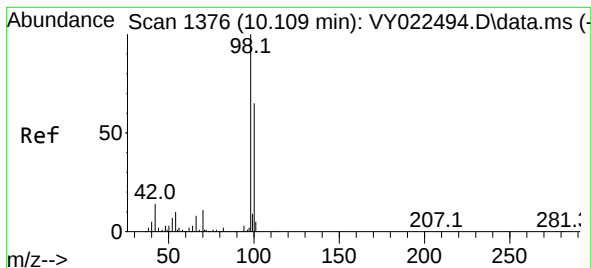
Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

121 0.6 25.0 37.4#

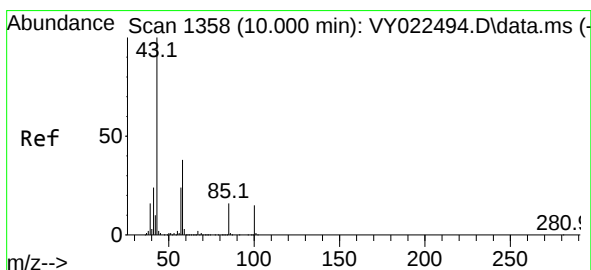
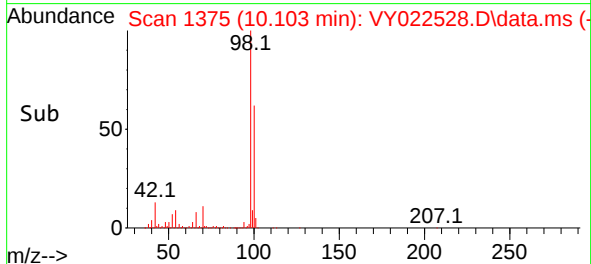
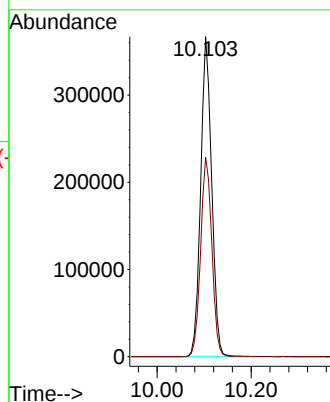
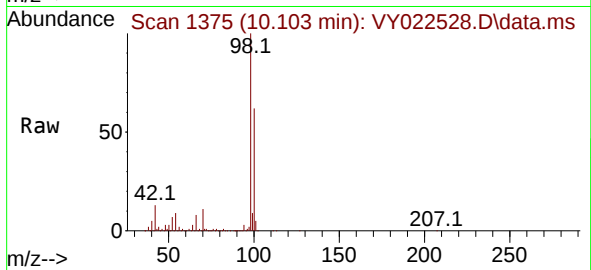




#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

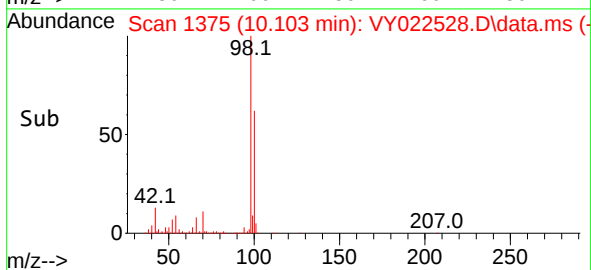
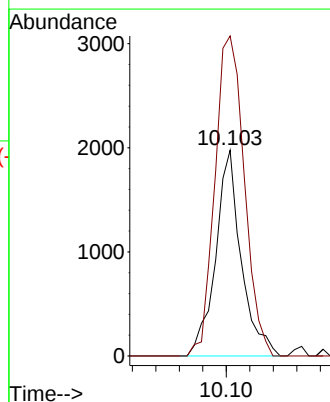
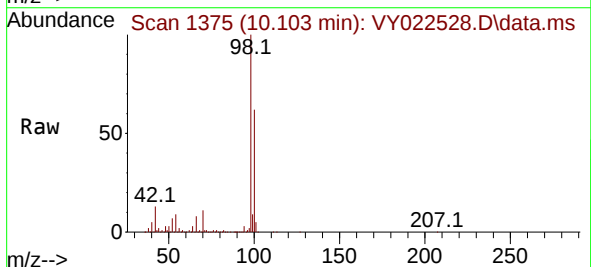
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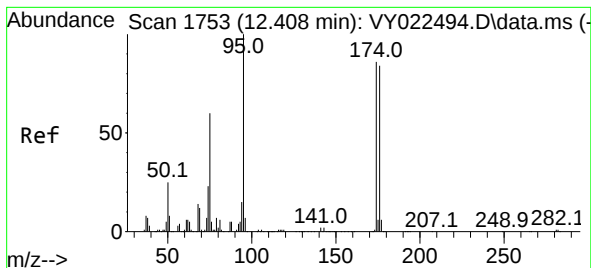
Tgt Ion: 98 Resp: 597801
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.282 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 43 Resp: 2990
Ion Ratio Lower Upper
43 100
58 178.9 30.4 45.6#

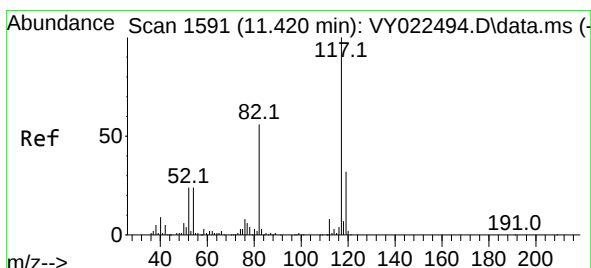
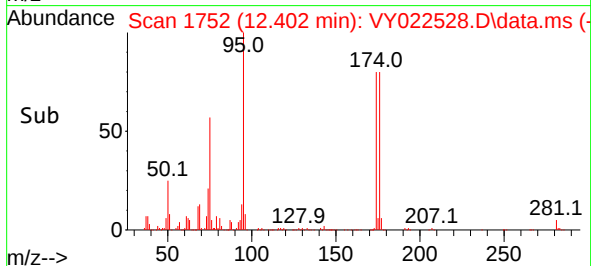
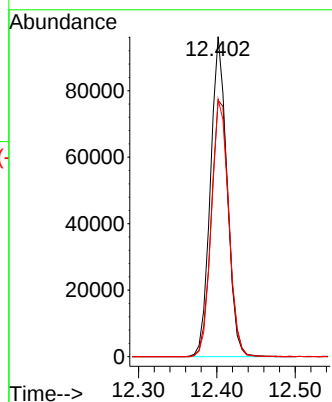
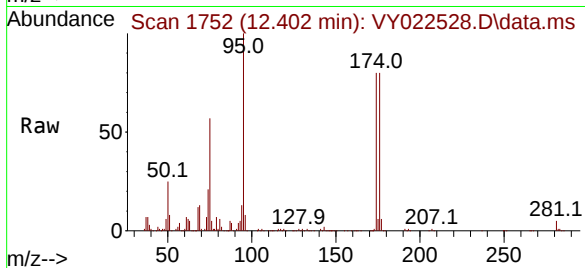




#62
4-Bromofluorobenzene
Concen: 39.222 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

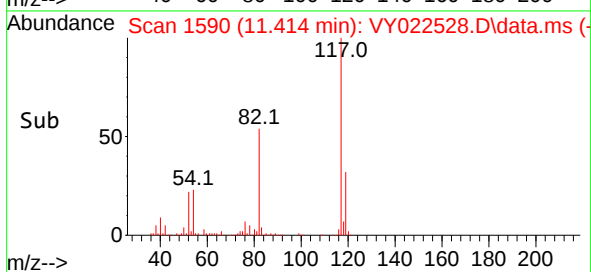
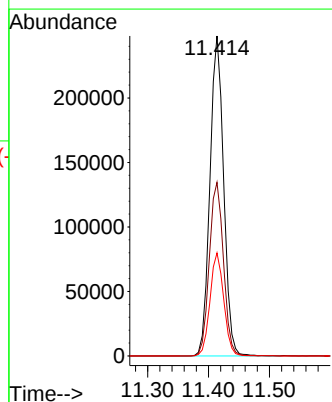
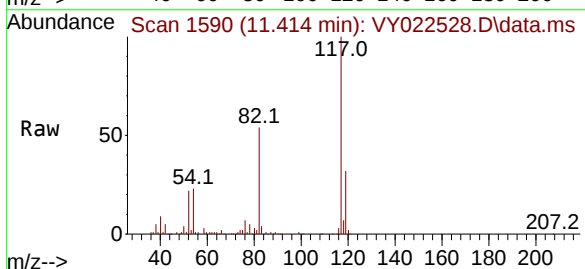
Instrument :
MSVOA_Y
ClientSampleId :
TP-25

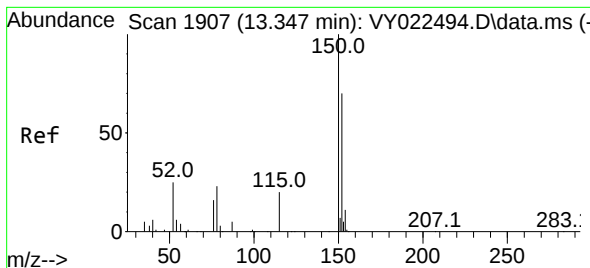
Tgt Ion: 95 Resp: 141351
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.0
176 83.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Tgt Ion: 117 Resp: 388135
Ion Ratio Lower Upper
117 100
82 54.2 44.6 66.8
119 32.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022528.D

Acq: 03 Jun 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-25

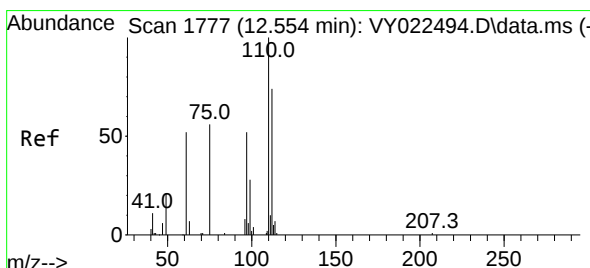
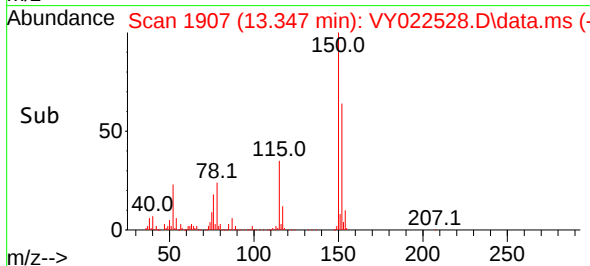
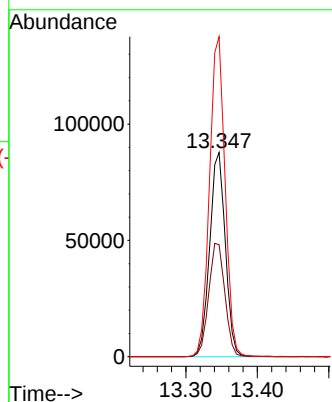
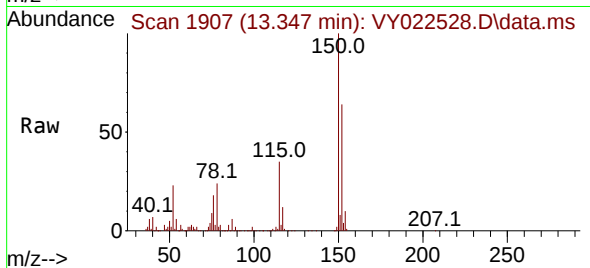
Tgt Ion:152 Resp: 133596

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 155.1 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 54.099 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022528.D

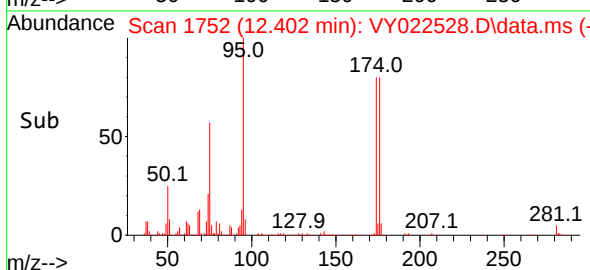
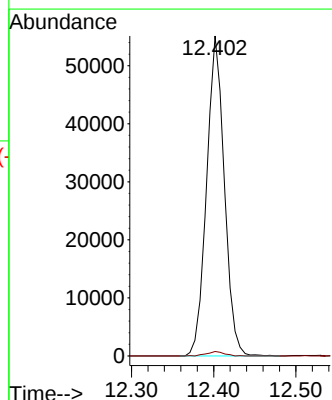
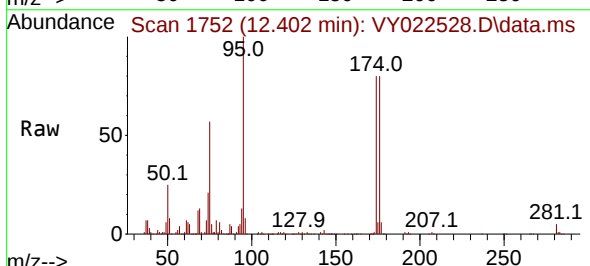
Acq: 03 Jun 2025 17:22

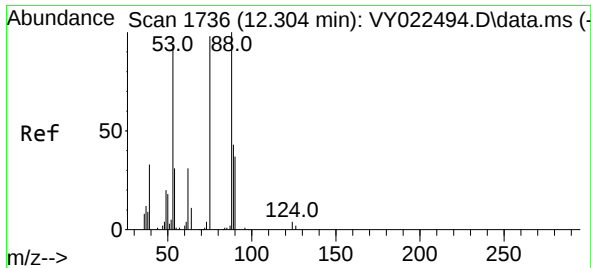
Tgt Ion: 75 Resp: 82684

Ion Ratio Lower Upper

75 100

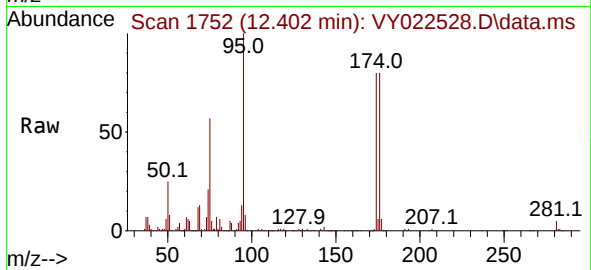
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 130.645 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022528.D
Acq: 03 Jun 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-25



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

