

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023225.D
 Acq On : 28 Aug 2025 14:41
 Operator : SY/MD
 Sample : Q2970-25
 Misc : 5.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6

Quant Time: Aug 29 02:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

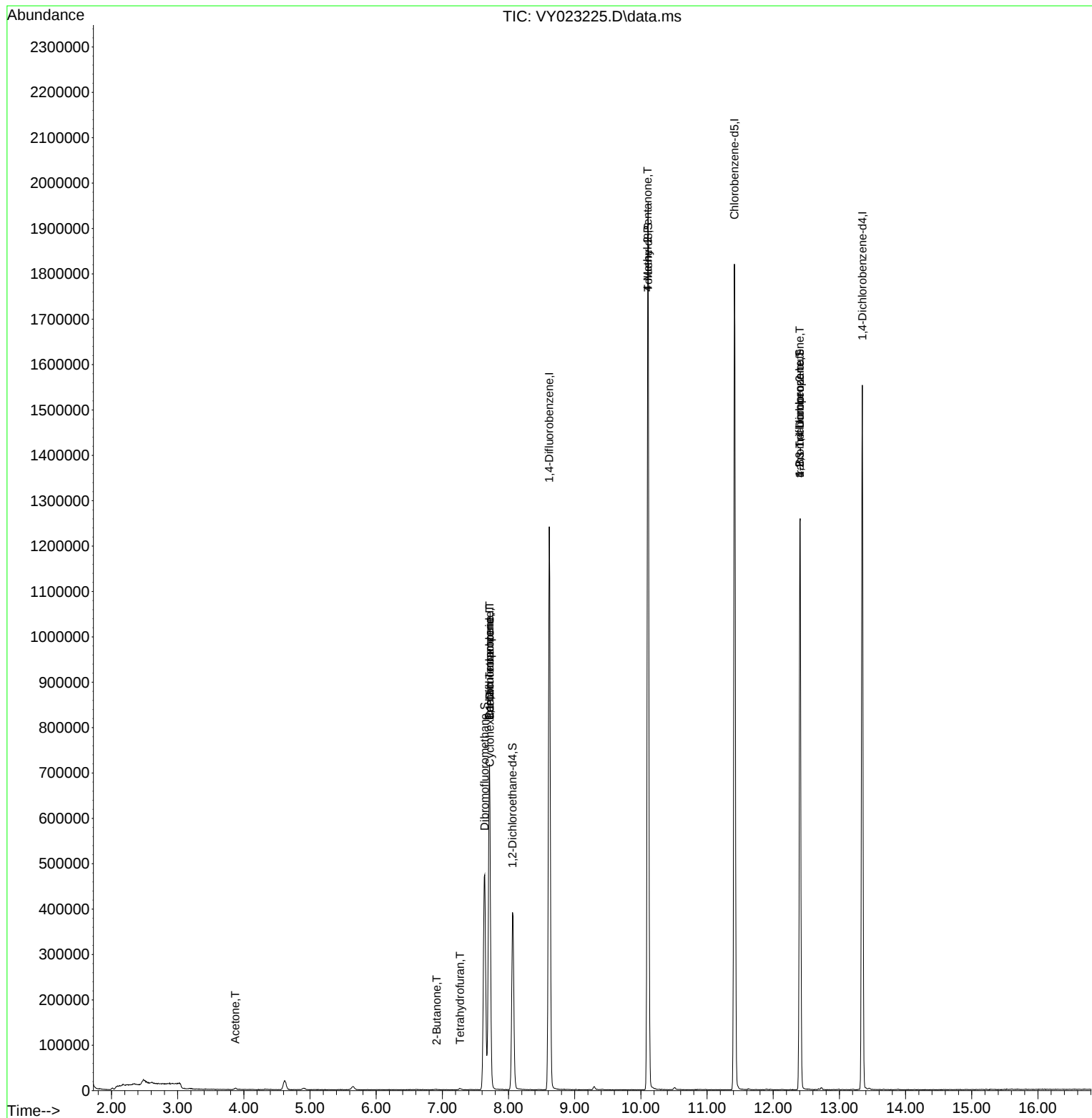
Internal Standards						
1) Pentafluorobenzene	7.713	168	568647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1083008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	994126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	304005	56.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.180%	
35) Dibromofluoromethane	7.640	113	347356	53.601	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.200%	
50) Toluene-d8	10.109	98	1304550	51.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	12.401	95	386393	47.459	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.920%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	4319	3.678	ug/l	97
20) Methylene Chloride	4.616	84	15917	Below Cal		84
25) 2-Butanone	6.915	43	1755	1.099	ug/l #	78
29) Tetrahydrofuran	7.268	42	2246	2.269	ug/l	92
31) Cyclohexane	7.719	56	11271	1.117	ug/l #	13
36) 1,1-Dichloropropene	7.713	75	41479	4.307	ug/l #	49
38) Carbon Tetrachloride	7.713	117	55363	5.293	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	4935	1.170	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	198711	51.090	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	198711	123.672	ug/l #	14

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

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QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

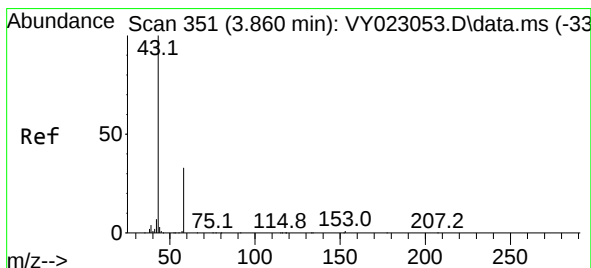
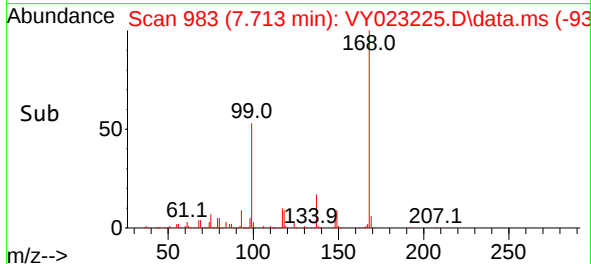
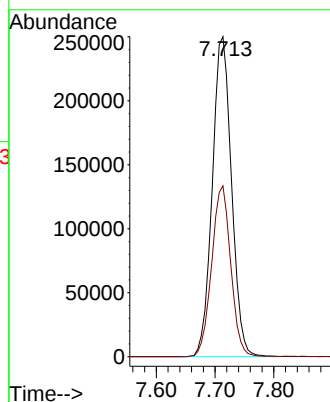
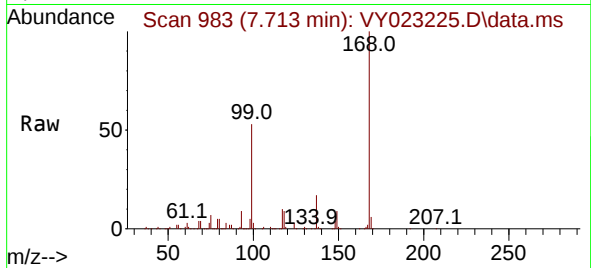




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

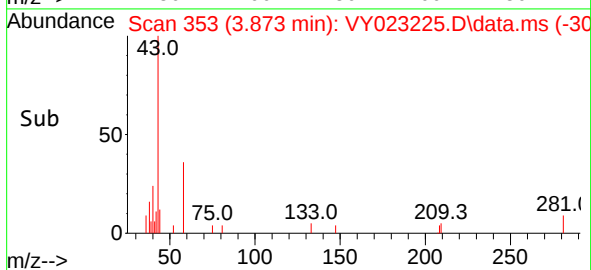
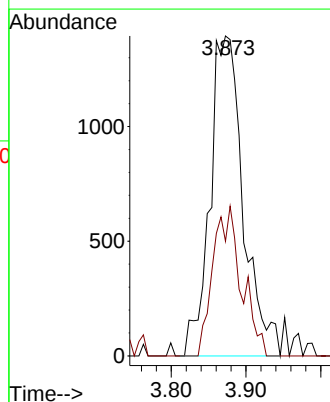
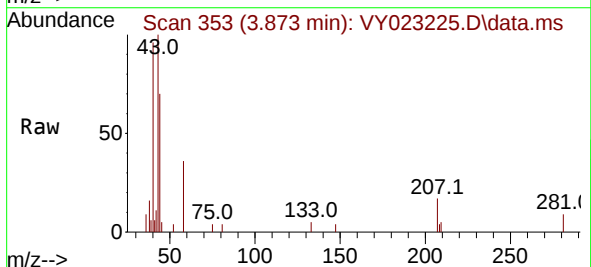
Instrument :
MSVOA_Y
ClientSampleId :
TP6

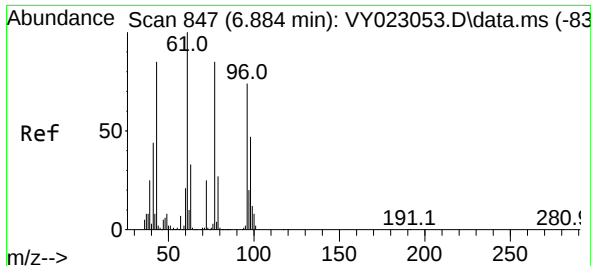
Tgt Ion:168 Resp: 568647
Ion Ratio Lower Upper
168 100
99 53.4 42.8 64.2



#16
Acetone
Concen: 3.678 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion: 43 Resp: 4319
Ion Ratio Lower Upper
43 100
58 35.8 27.1 40.7





#25

2-Butanone

Concen: 1.099 ug/l

RT: 6.915 min Scan# 8

Delta R.T. 0.031 min

Lab File: VY023225.D

Acq: 28 Aug 2025 14:41

Instrument :

MSVOA_Y

ClientSampleId :

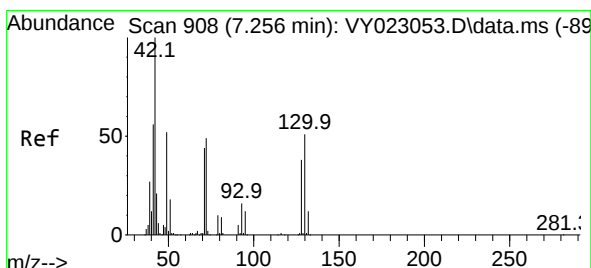
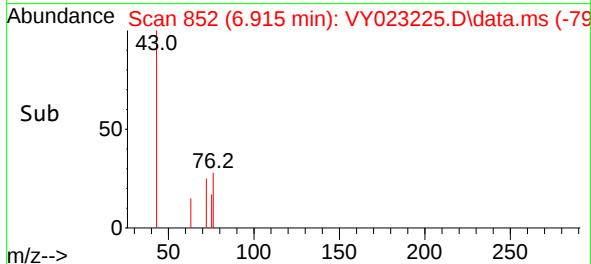
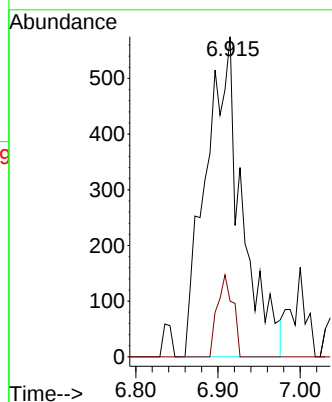
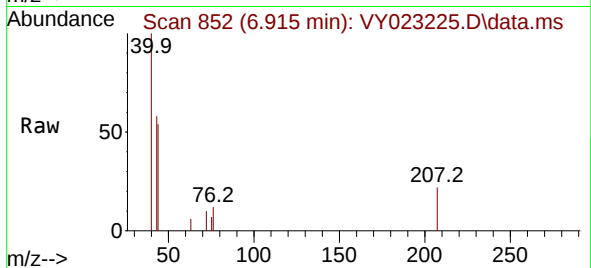
TP6

Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

72 17.4 23.5 35.3#



#29

Tetrahydrofuran

Concen: 2.269 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY023225.D

Acq: 28 Aug 2025 14:41

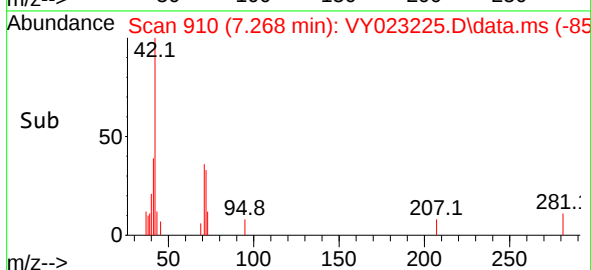
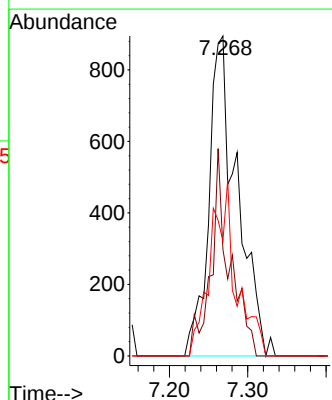
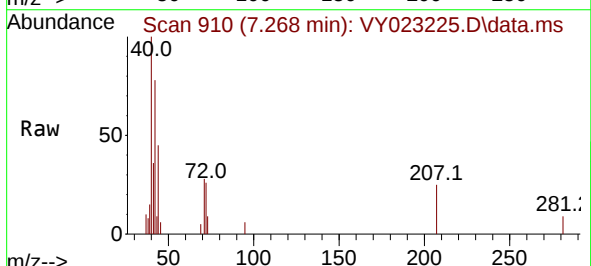
Tgt Ion: 42 Resp: 2246

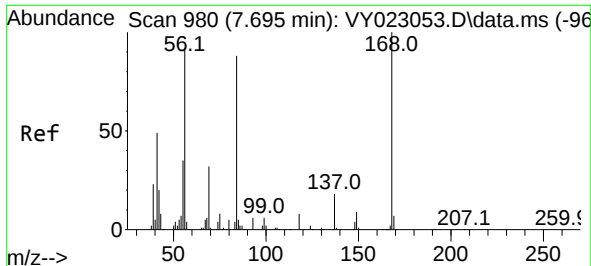
Ion Ratio Lower Upper

42 100

72 42.2 39.4 59.2

71 49.2 36.5 54.7

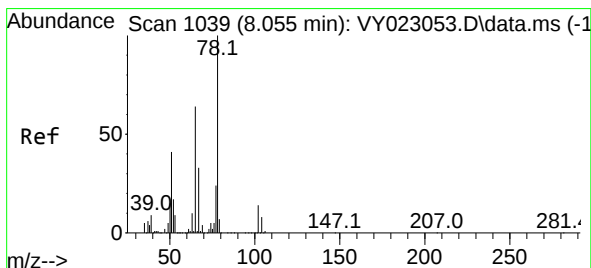
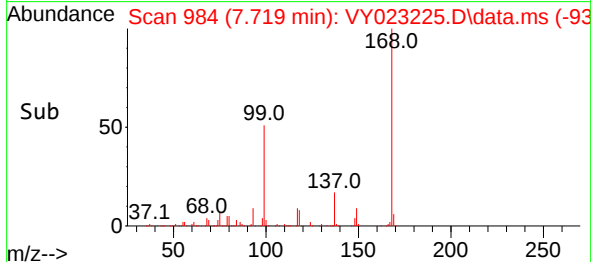
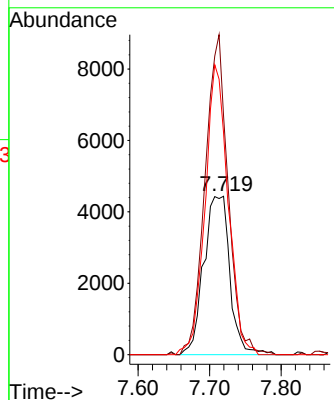
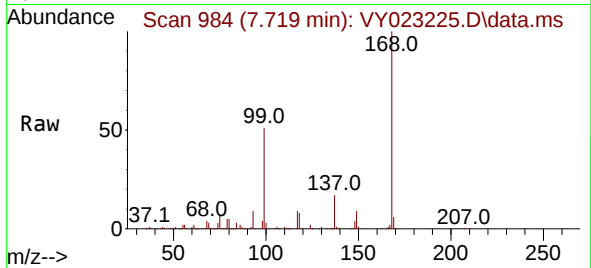




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

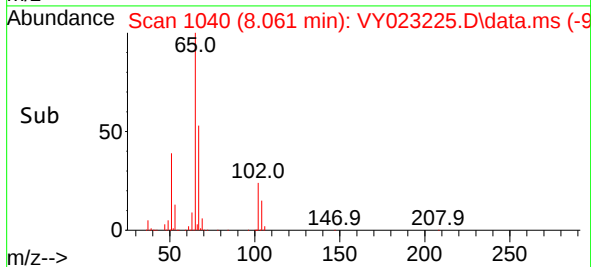
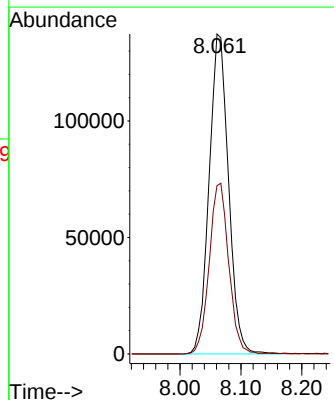
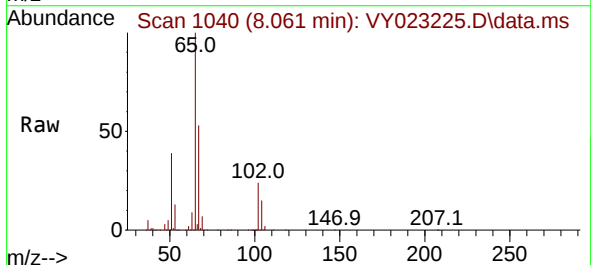
Instrument :
MSVOA_Y
ClientSampleId :
TP6

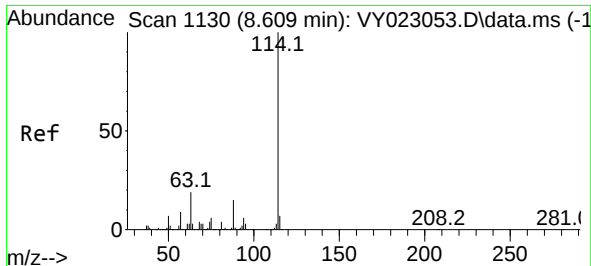
Tgt Ion: 56 Resp: 11271
Ion Ratio Lower Upper
56 100
69 150.6 28.2 42.2#
84 140.0 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.094 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion: 65 Resp: 304005
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

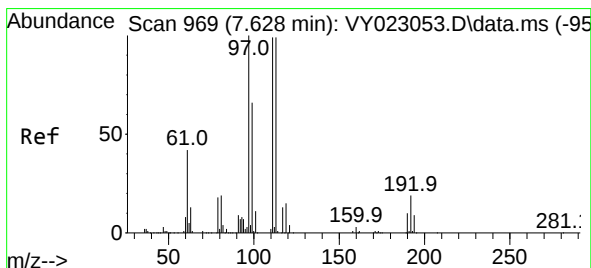
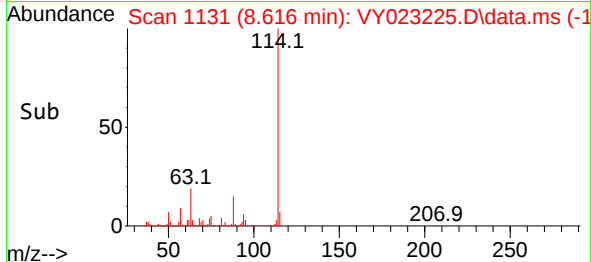
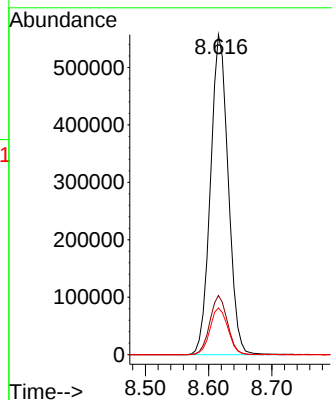
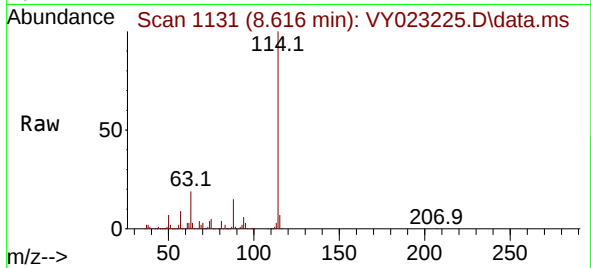




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

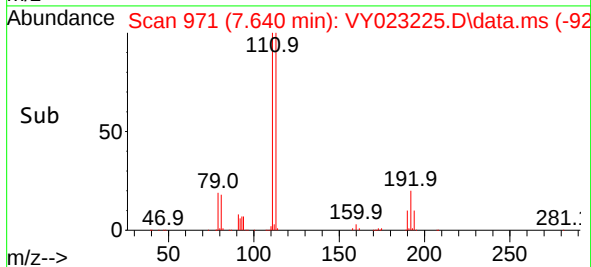
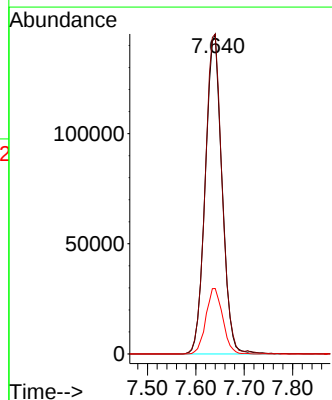
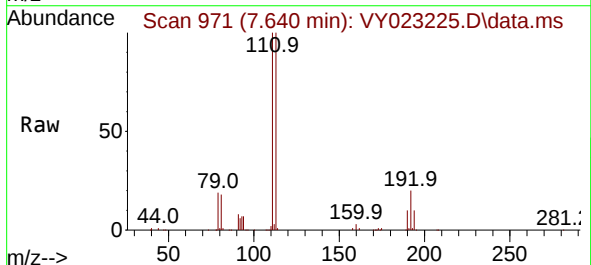
Instrument :
MSVOA_Y
ClientSampleId :
TP6

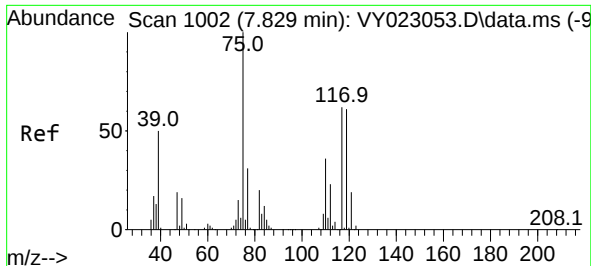
Tgt Ion:114 Resp: 1083008
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.601 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion:113 Resp: 347356
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 20.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.307 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023225.D

Acq: 28 Aug 2025 14:41

Instrument :

MSVOA_Y

ClientSampleId :

TP6

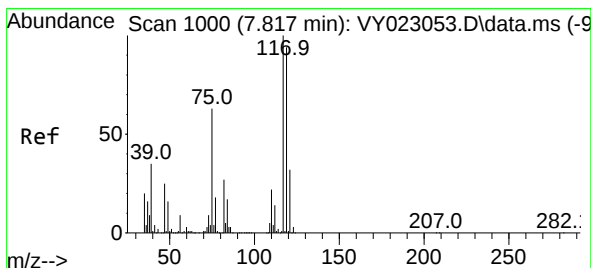
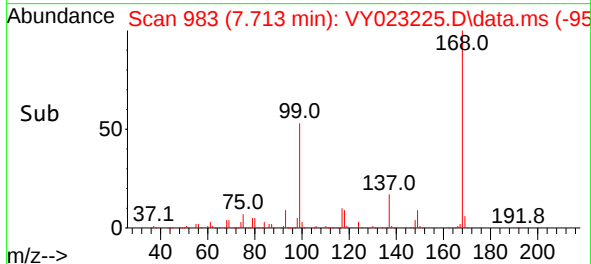
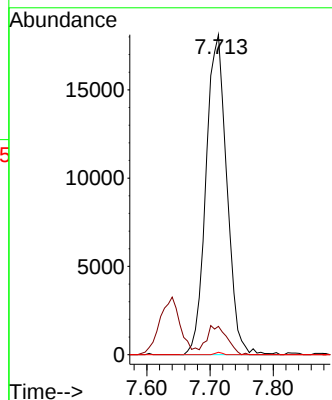
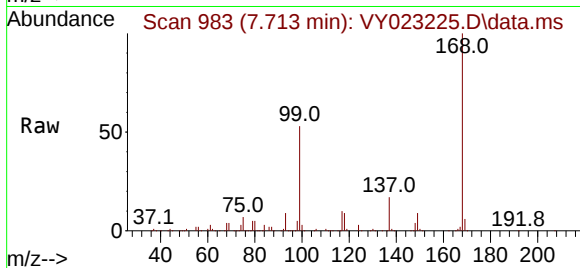
Tgt Ion: 75 Resp: 41479

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.293 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023225.D

Acq: 28 Aug 2025 14:41

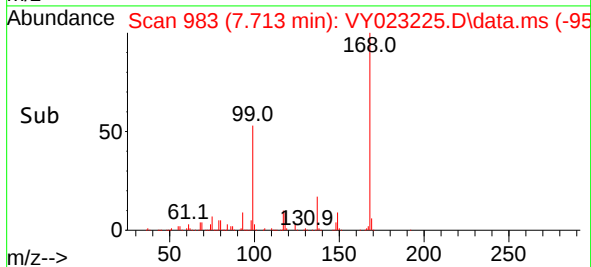
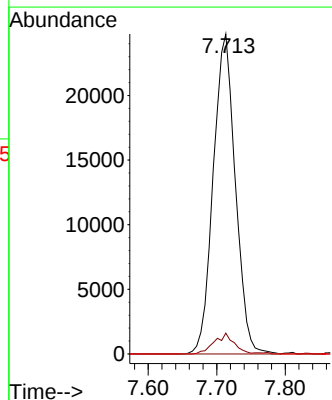
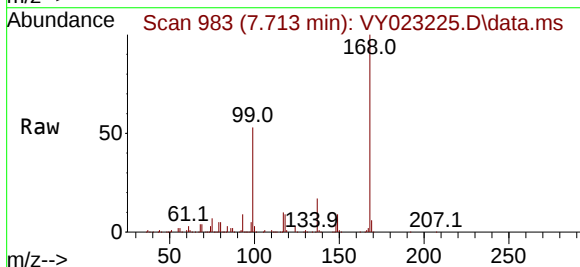
Tgt Ion: 117 Resp: 55363

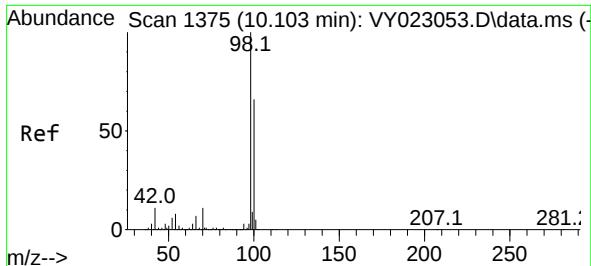
Ion Ratio Lower Upper

117 100

119 6.5 75.6 113.4#

121 0.0 25.8 38.8#

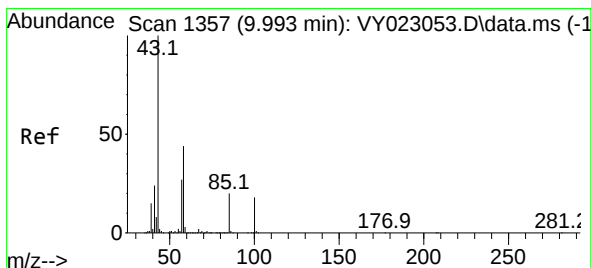
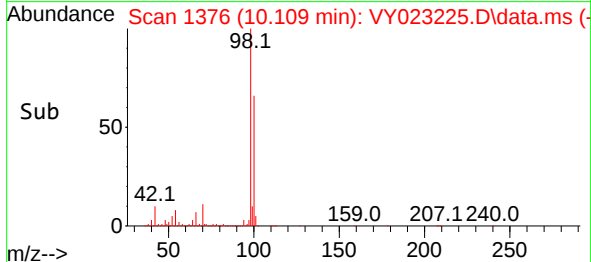
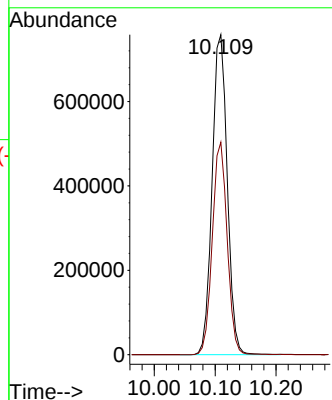
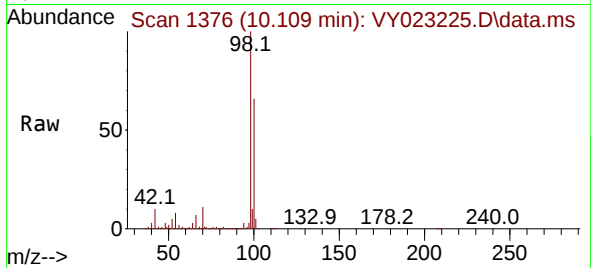




#50
Toluene-d8
Concen: 51.530 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

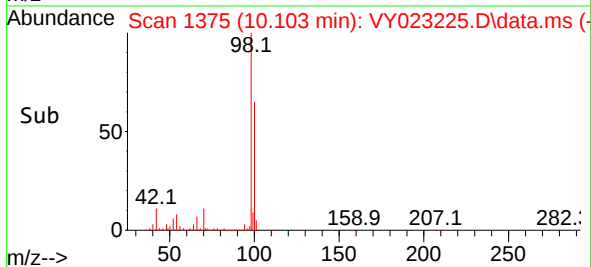
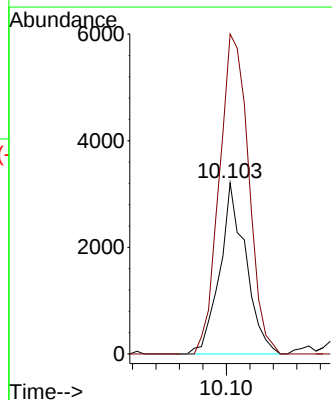
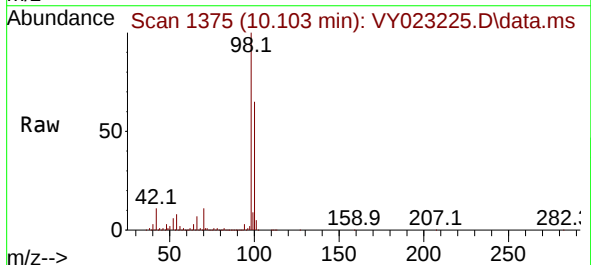
Instrument :
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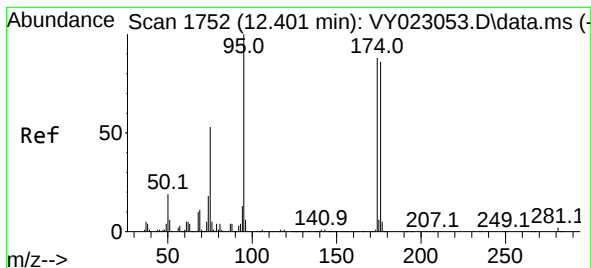
Tgt Ion: 98 Resp: 1304550
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.170 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion: 43 Resp: 4935
Ion Ratio Lower Upper
43 100
58 211.0 33.5 50.3#

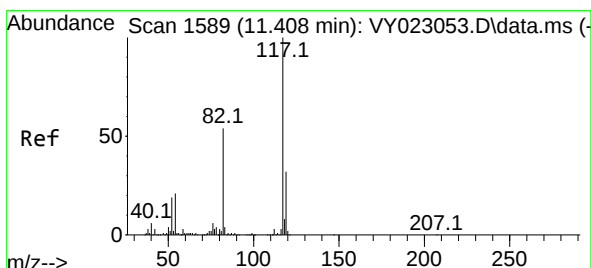
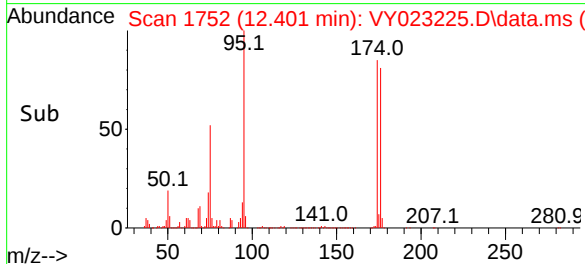
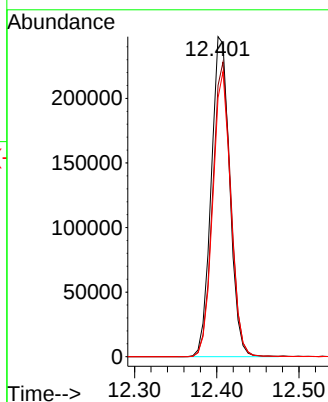
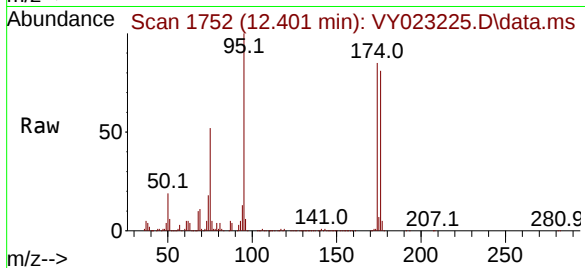




#62
4-Bromofluorobenzene
Concen: 47.459 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

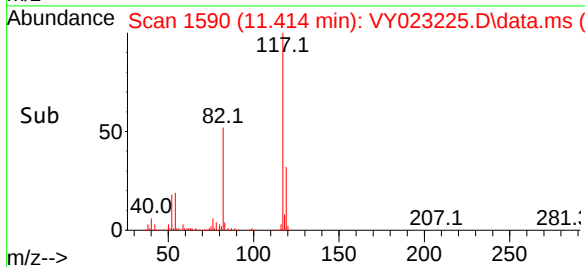
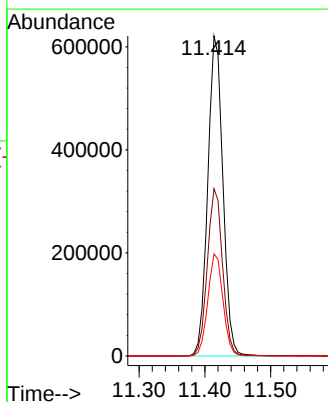
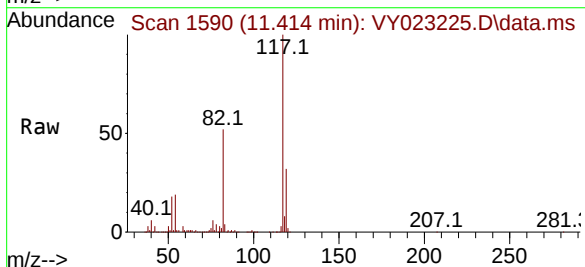
Instrument :
MSVOA_Y
ClientSampleId :
TP6

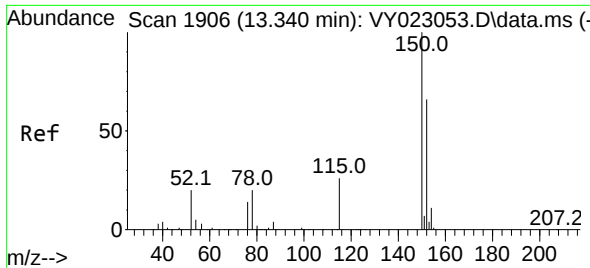
Tgt Ion: 95 Resp: 386393
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.6
176 87.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023225.D
Acq: 28 Aug 2025 14:41

Tgt Ion: 117 Resp: 994126
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 31.9 25.6 38.4

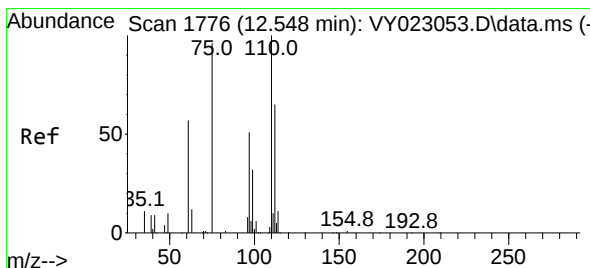
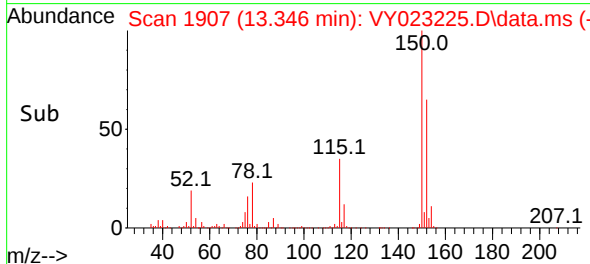
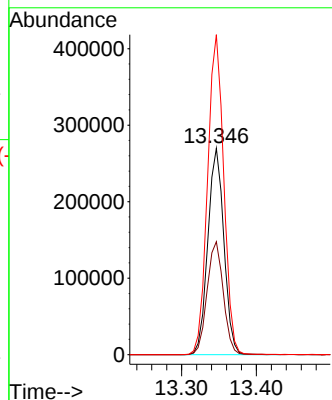
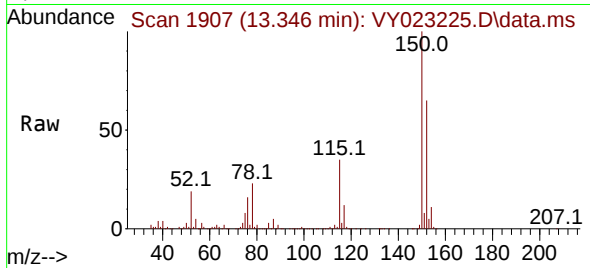




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023225.D
 Acq: 28 Aug 2025 14:41

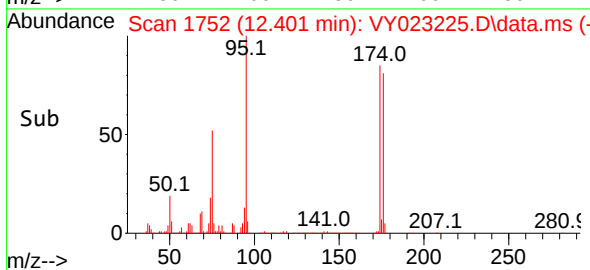
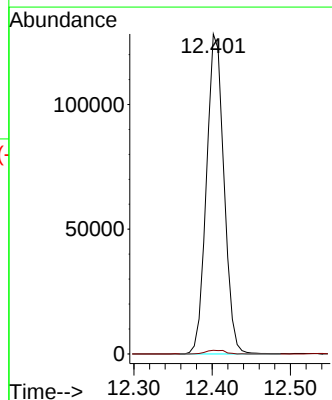
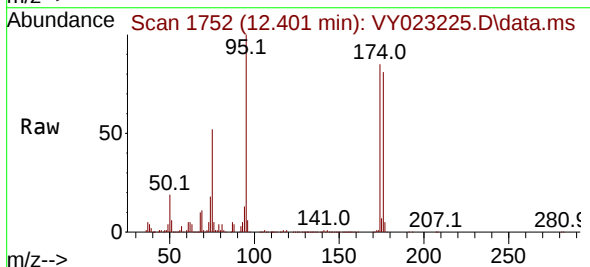
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6

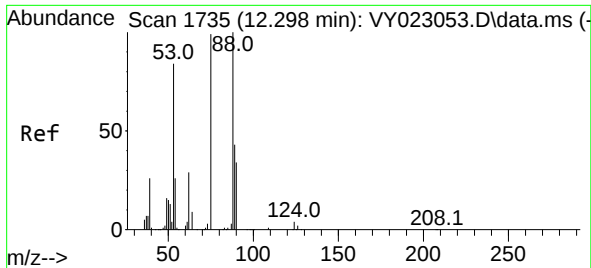
Tgt Ion:152 Resp: 403006
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.2 84.6
 150 156.1 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 51.090 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023225.D
 Acq: 28 Aug 2025 14:41

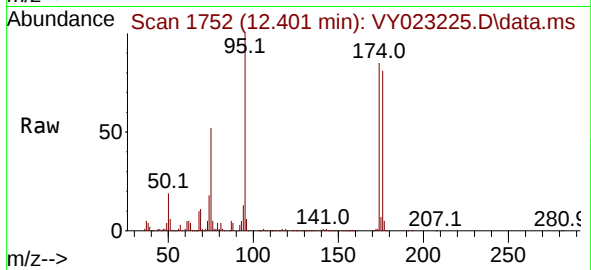
Tgt Ion: 75 Resp: 198711
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.672 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023225.D
 Acq: 28 Aug 2025 14:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6



Tgt Ion: 75 Resp: 198711
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

