

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022849.D
 Acq On : 26 Jun 2025 14:54
 Operator : SY/MD
 Sample : Q2430-03
 Misc : 2.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-E/F-VOC

Quant Time: Jun 27 01:29:20 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)

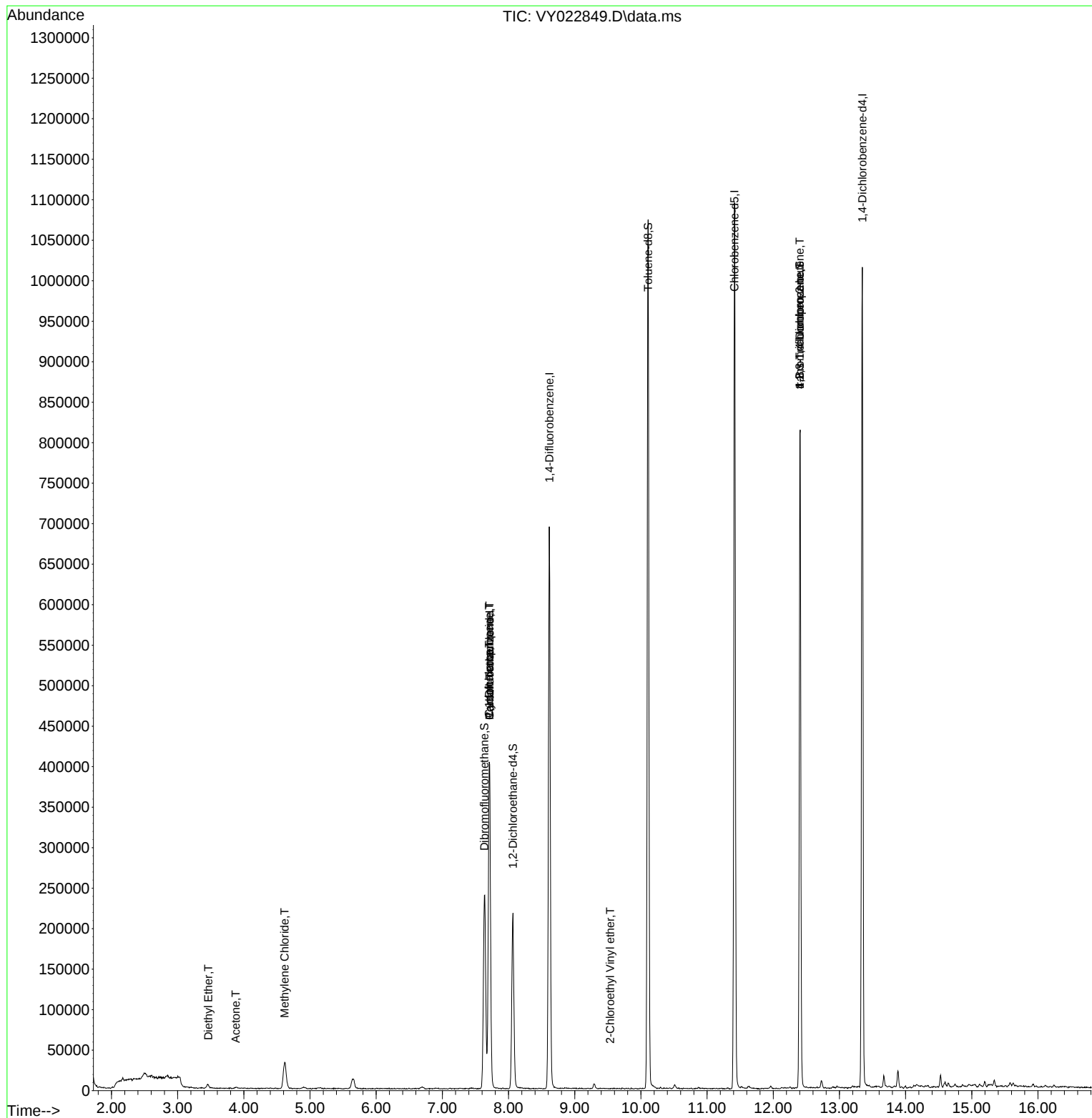
Internal Standards						
1) Pentafluorobenzene	7.713	168	315227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	575559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	246749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	165443	47.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.040%
35) Dibromofluoromethane	7.634	113	174296	49.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.580%
50) Toluene-d8	10.109	98	691255	49.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.401	95	244412	54.739	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.480%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.464	74	2518	1.432	ug/l	91
16) Acetone	3.878	43	2558	3.847	ug/l #	81
20) Methylene Chloride	4.616	84	25193	5.999	ug/l	90
31) Cyclohexane	7.707	56	8048	1.332	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	27109	5.110	ug/l #	49
38) Carbon Tetrachloride	7.713	117	32649	5.832	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.536	63	21	15.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	137484	54.577	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	137484	137.882	ug/l #	10

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

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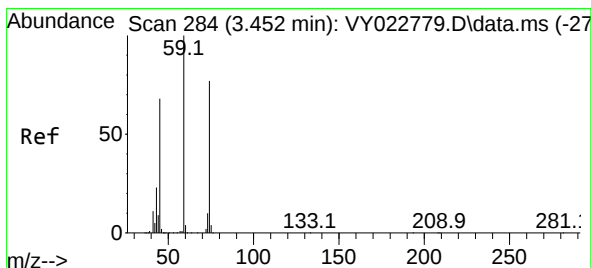
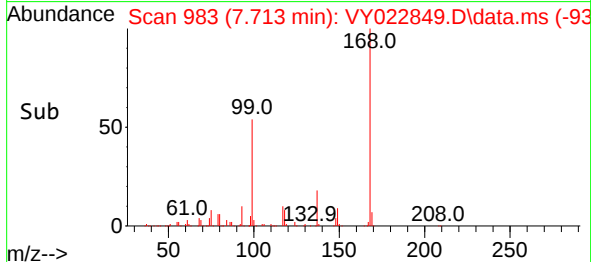
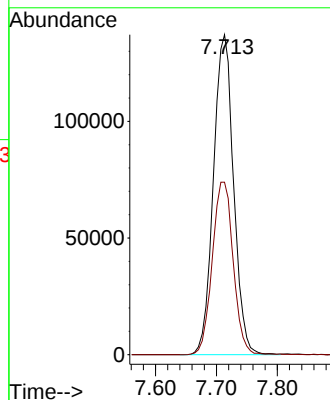
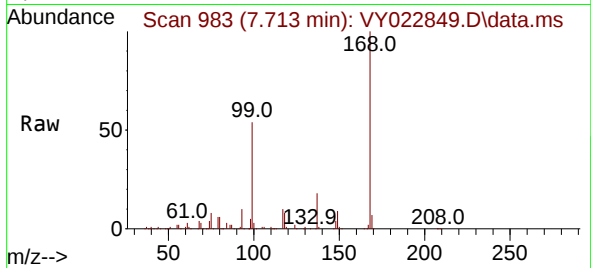




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

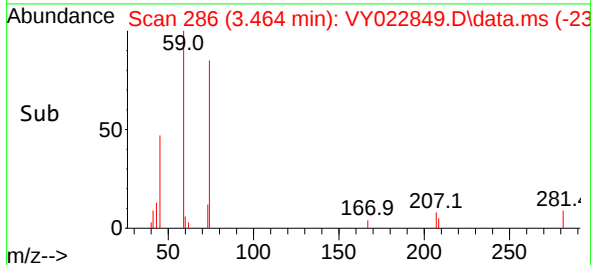
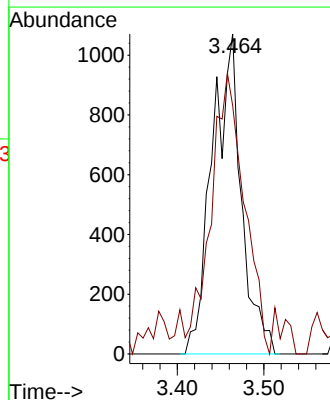
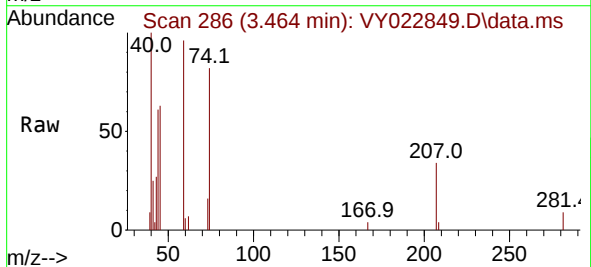
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

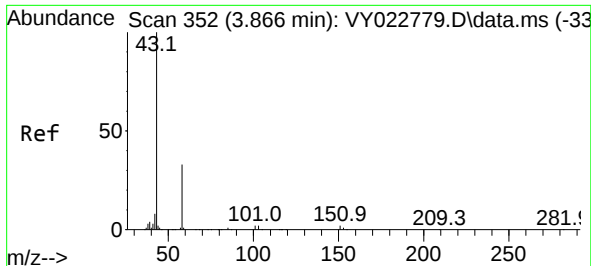
Tgt Ion:168 Resp: 315227
Ion Ratio Lower Upper
168 100
99 53.9 44.3 66.5



#8
Diethyl Ether
Concen: 1.432 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 74 Resp: 2518
Ion Ratio Lower Upper
74 100
45 100.2 45.9 137.6

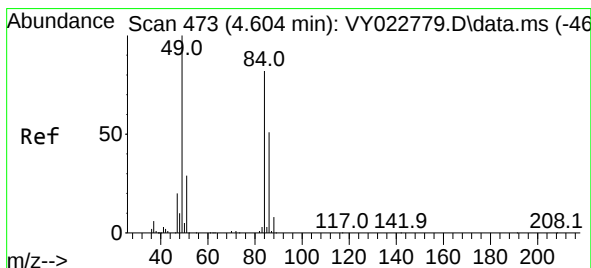
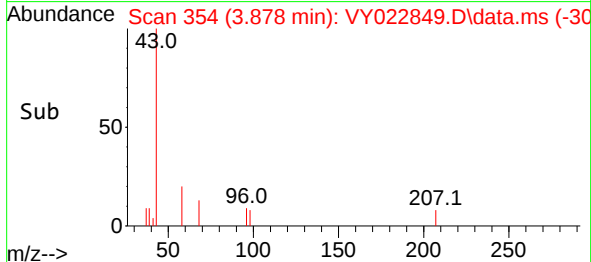
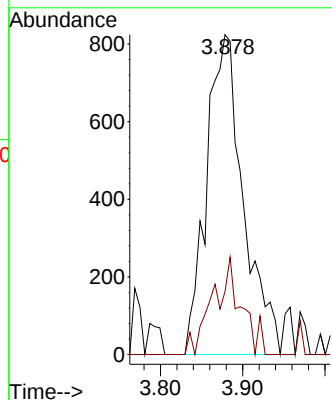
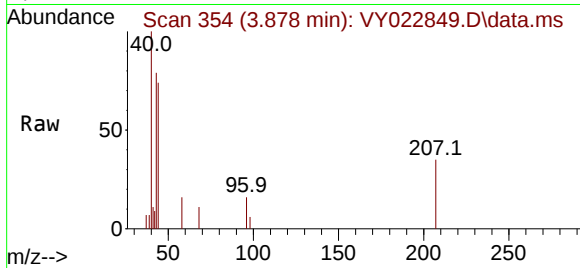




#16
Acetone
Concen: 3.847 ug/l
RT: 3.878 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

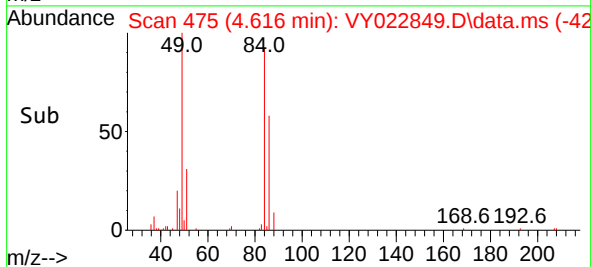
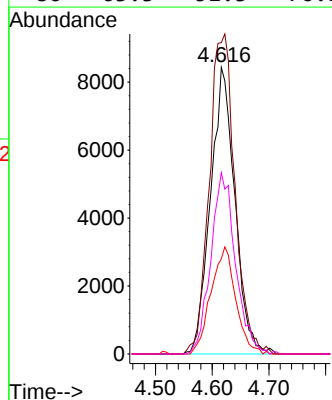
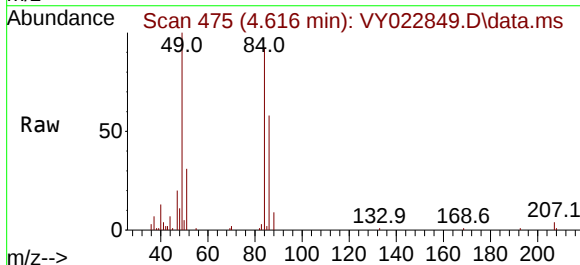
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

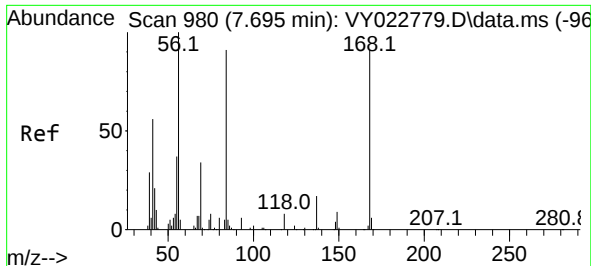
Tgt Ion: 43 Resp: 2558
Ion Ratio Lower Upper
43 100
58 19.7 24.0 36.0#



#20
Methylene Chloride
Concen: 5.999 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 84 Resp: 25193
Ion Ratio Lower Upper
84 100
49 108.6 101.9 152.9
51 33.2 29.8 44.8
86 63.3 51.3 76.9

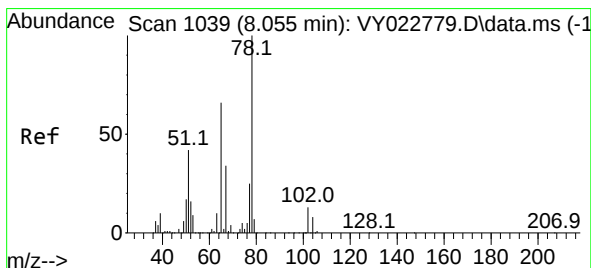
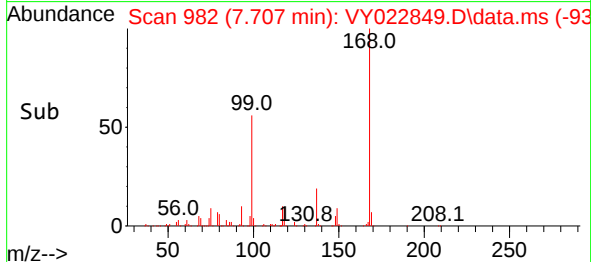
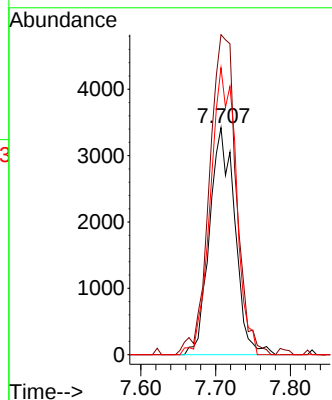
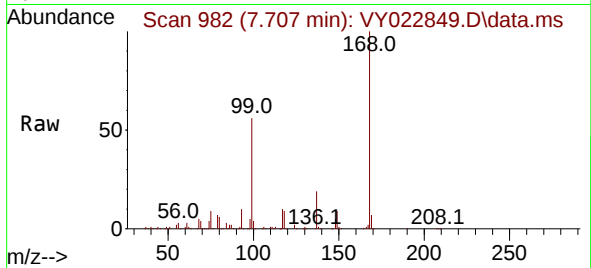




#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

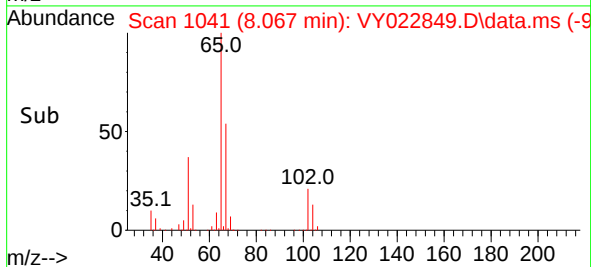
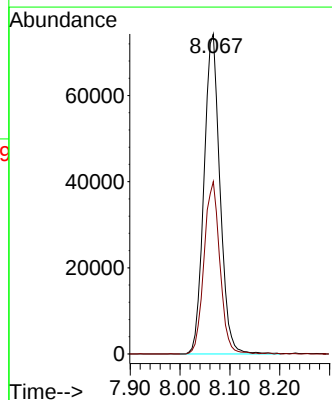
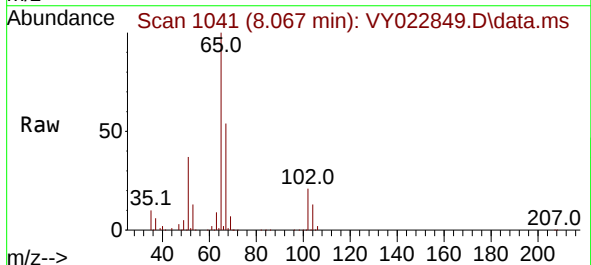
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

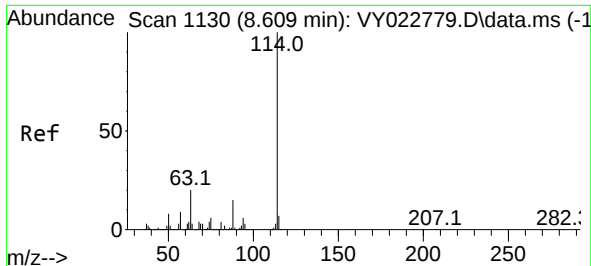
Tgt Ion: 56 Resp: 8048
Ion Ratio Lower Upper
56 100
69 139.1 27.0 40.6#
84 126.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 47.024 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 65 Resp: 165443
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022849.D

Acq: 26 Jun 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

MH-E/F-VOC

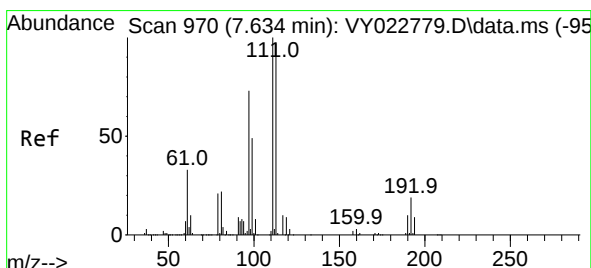
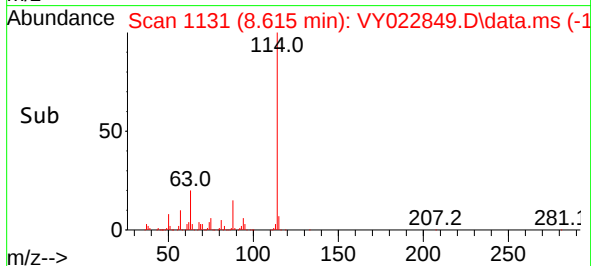
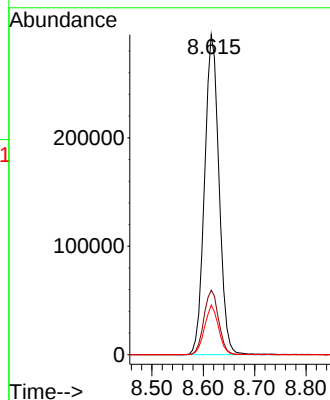
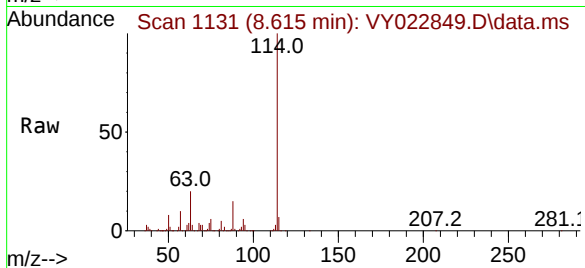
Tgt Ion:114 Resp: 575559

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.795 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022849.D

Acq: 26 Jun 2025 14:54

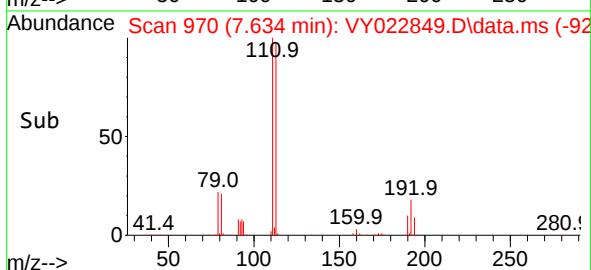
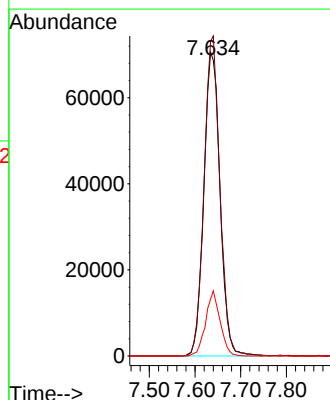
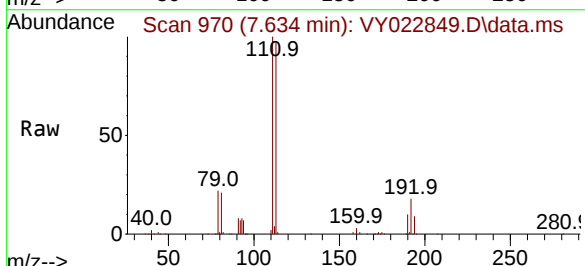
Tgt Ion:113 Resp: 174296

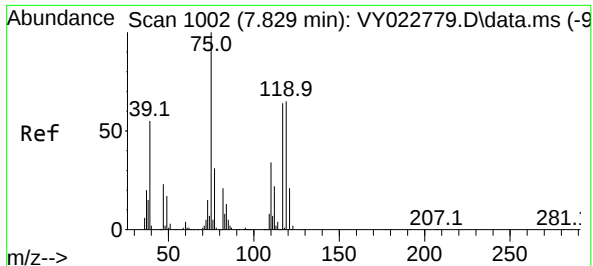
Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

192 19.1 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022849.D

Acq: 26 Jun 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

MH-E/F-VOC

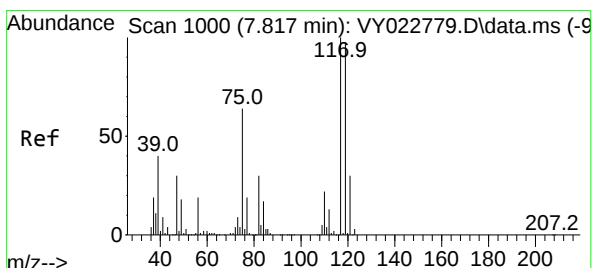
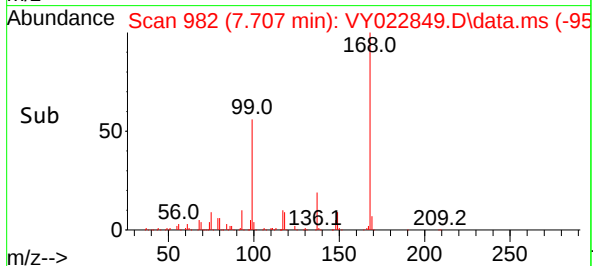
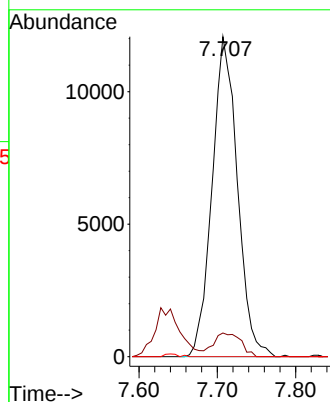
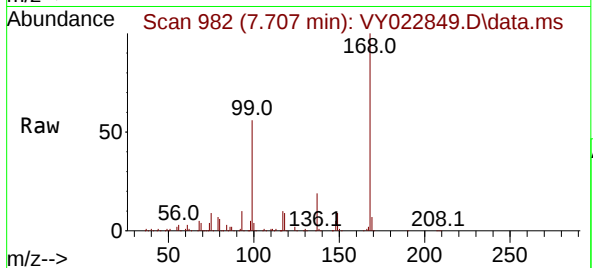
Tgt Ion: 75 Resp: 27109

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.832 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022849.D

Acq: 26 Jun 2025 14:54

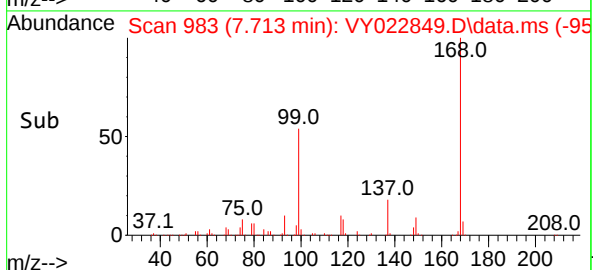
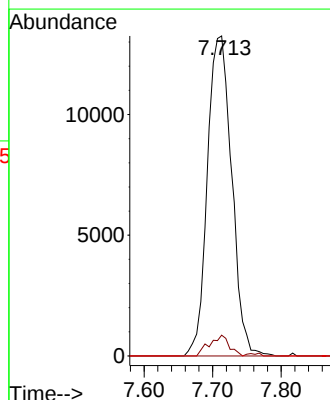
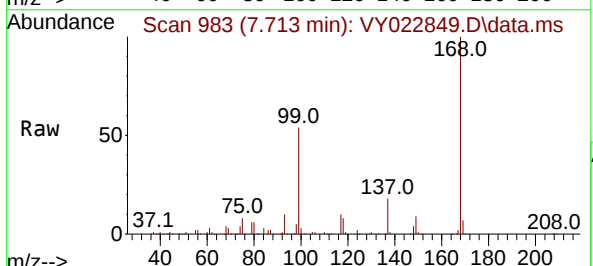
Tgt Ion: 117 Resp: 32649

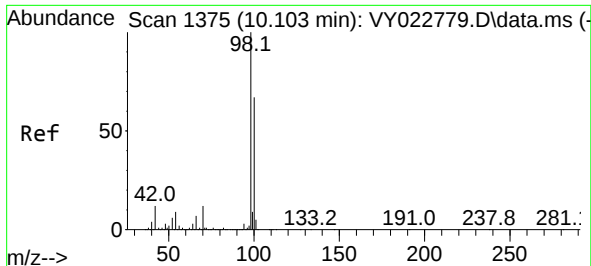
Ion Ratio Lower Upper

117 100

119 6.5 75.0 112.6#

121 0.0 25.0 37.4#

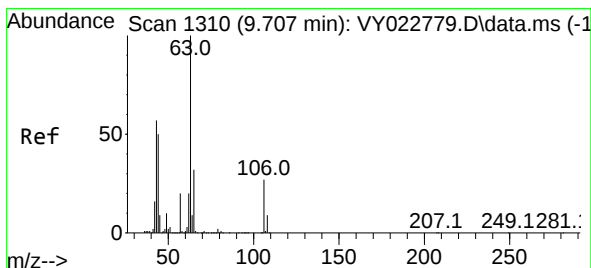
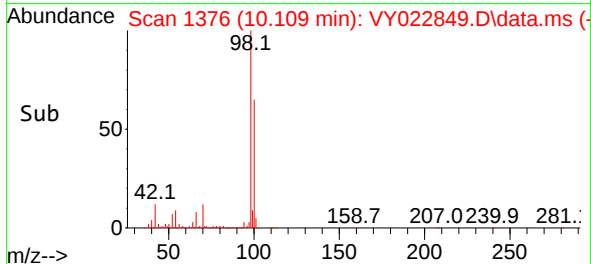
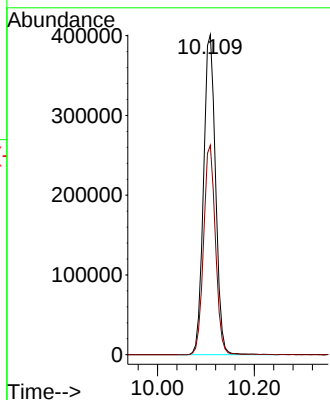
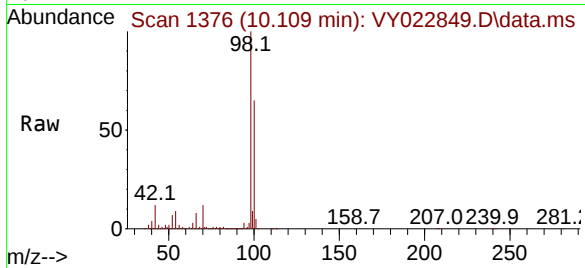




#50
Toluene-d8
Concen: 49.768 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

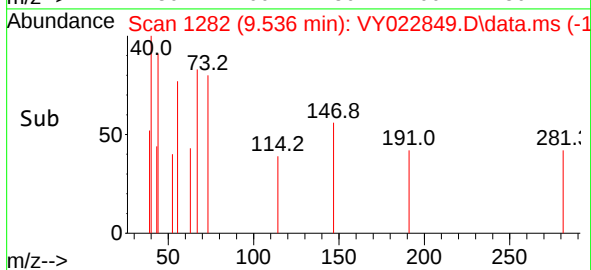
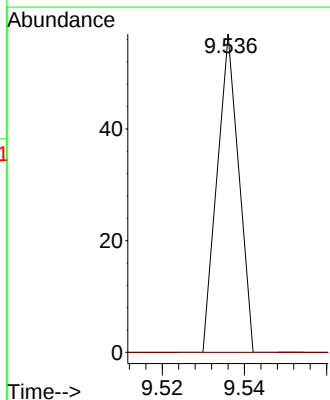
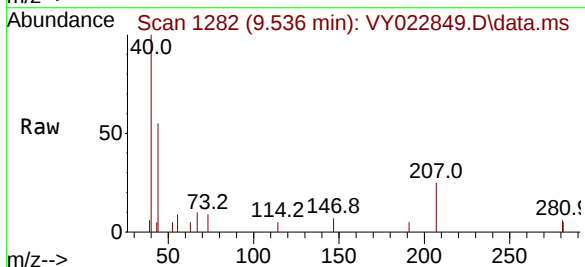
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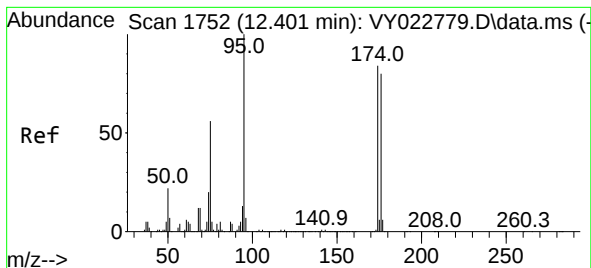
Tgt Ion: 98 Resp: 691255
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.665 ug/l
RT: 9.536 min Scan# 1282
Delta R.T. -0.177 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

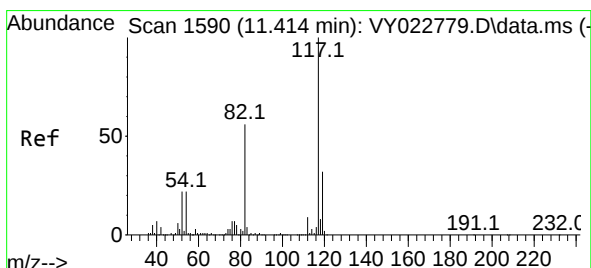
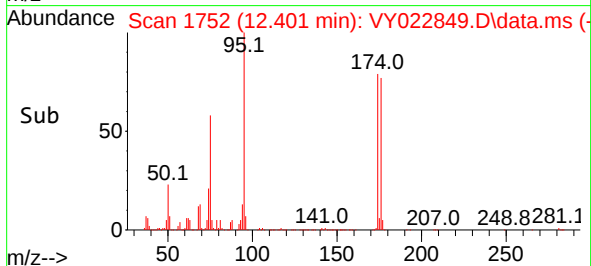
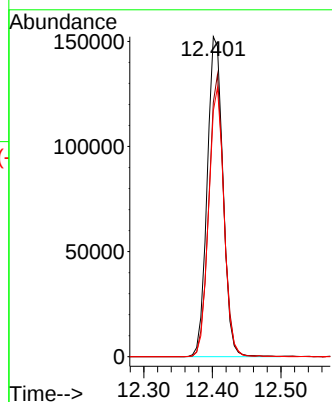
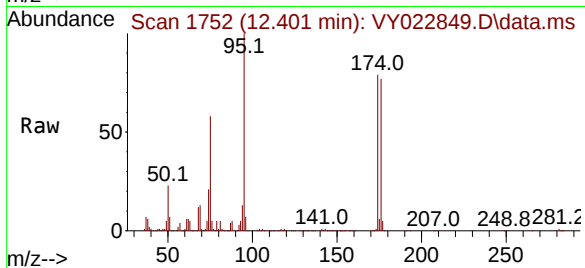




#62
4-Bromofluorobenzene
Concen: 54.739 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

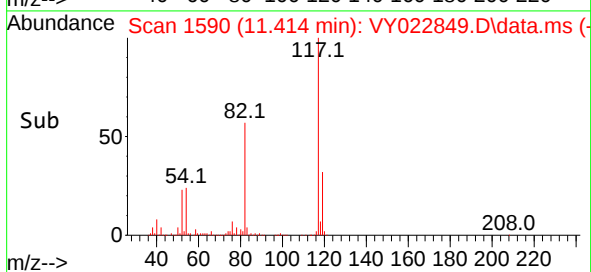
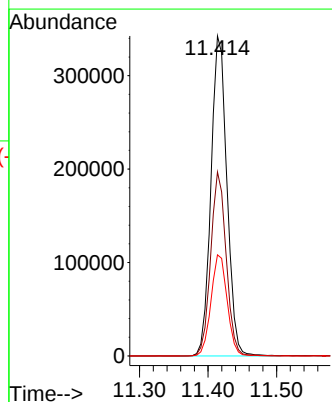
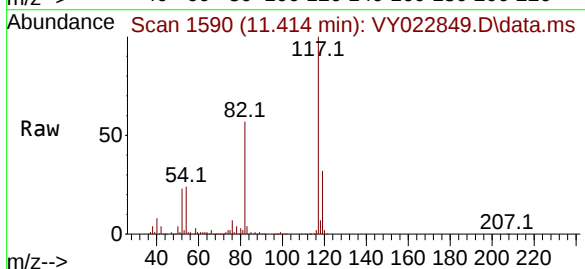
Instrument :
MSVOA_Y
ClientSampleId :
MH-E/F-VOC

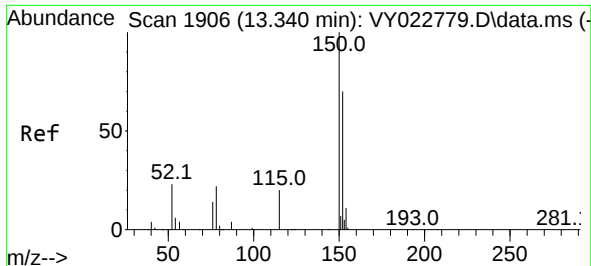
Tgt Ion: 95 Resp: 244412
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 81.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022849.D
Acq: 26 Jun 2025 14:54

Tgt Ion: 117 Resp: 553403
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 31.6 25.4 38.0

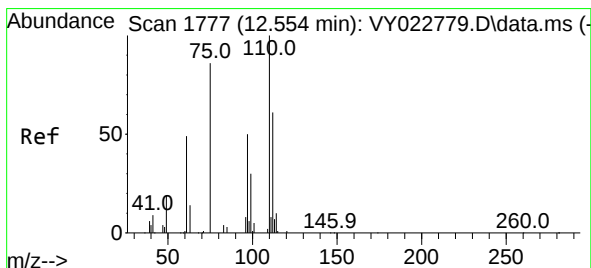
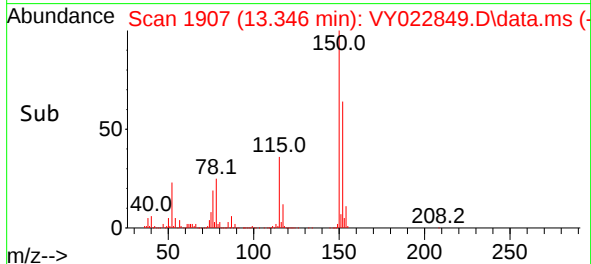
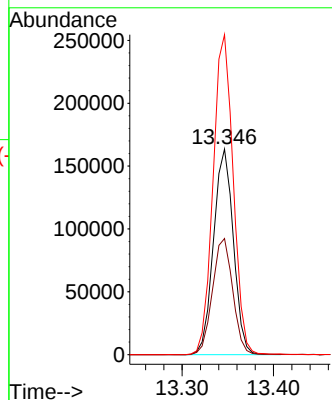
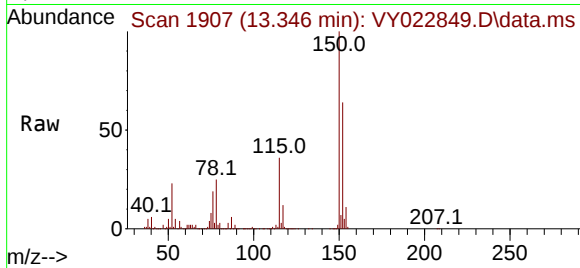




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022849.D
 Acq: 26 Jun 2025 14:54

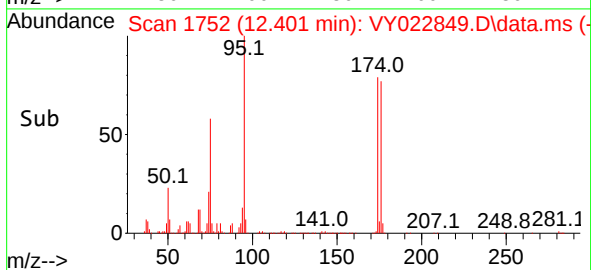
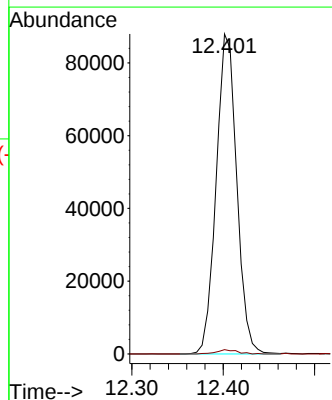
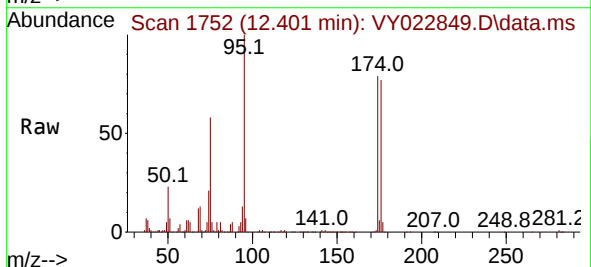
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-E/F-VOC

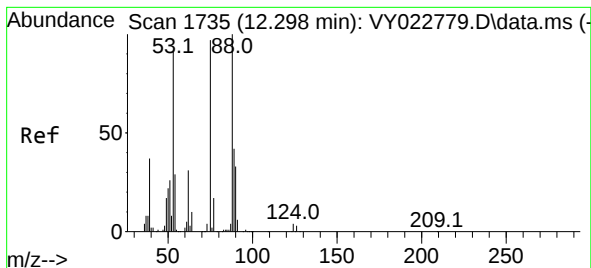
Tgt Ion:152 Resp: 246749
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.9 86.7
 150 157.8 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 54.577 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022849.D
 Acq: 26 Jun 2025 14:54

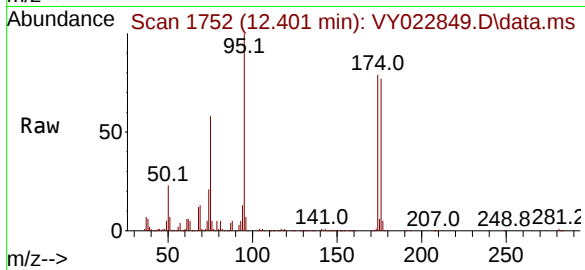
Tgt Ion: 75 Resp: 137484
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.882 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022849.D
 Acq: 26 Jun 2025 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-E/F-VOC



Tgt Ion: 75 Resp: 137484
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 35.7 53.5#

