

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022933.D
 Acq On : 03 Jul 2025 11:29
 Operator : SY/MD
 Sample : Q2493-03
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-11-VOC

Quant Time: Jul 04 03:17:24 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)

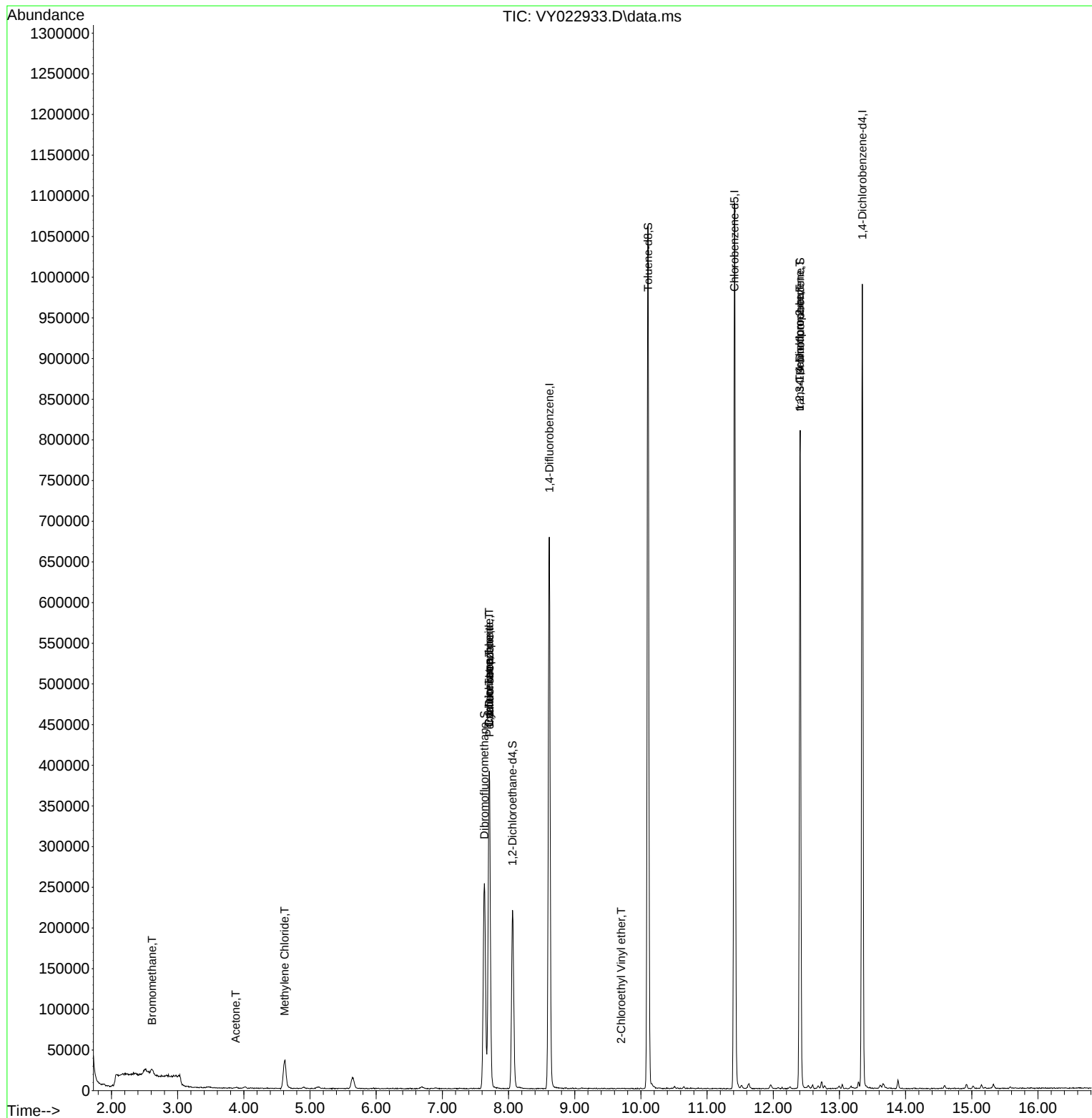
Internal Standards						
1) Pentafluorobenzene	7.713	168	296955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	566337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	551288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177819	53.652	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 107.300%		
35) Dibromofluoromethane	7.634	113	183005	53.134	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.260%		
50) Toluene-d8	10.109	98	691598	50.603	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.200%		
62) 4-Bromofluorobenzene	12.408	95	238448	54.273	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 108.540%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	5210	1.094	ug/l	87
16) Acetone	3.879	43	2310	3.688	ug/l	95
20) Methylene Chloride	4.616	84	24674	6.237	ug/l #	91
31) Cyclohexane	7.707	56	7578	1.331	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	25561	4.896	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31258	5.675	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.701	63	118	15.712	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	135032	57.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	135032	144.880	ug/l #	11

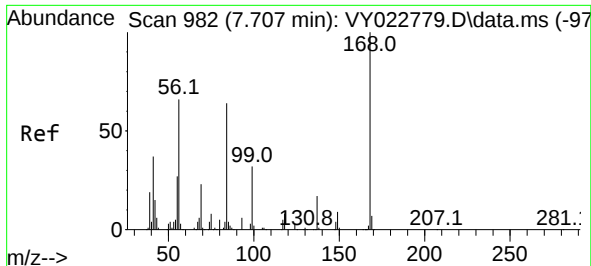
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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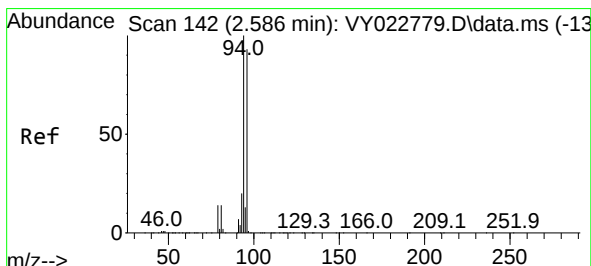
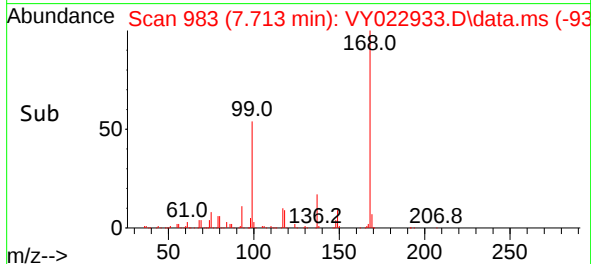
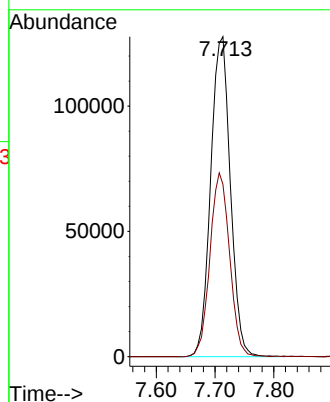
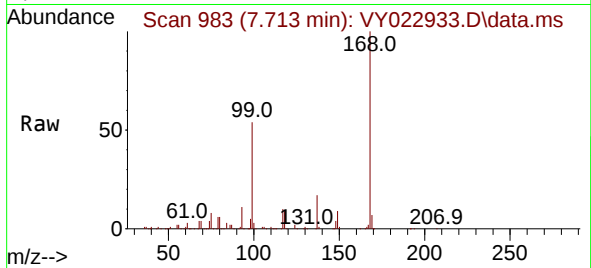




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

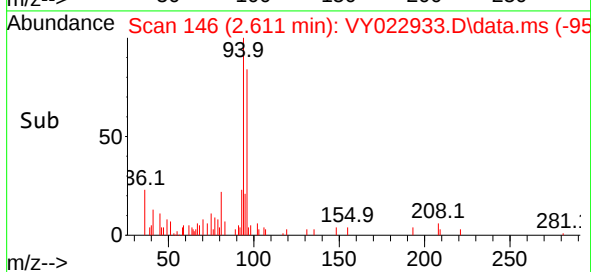
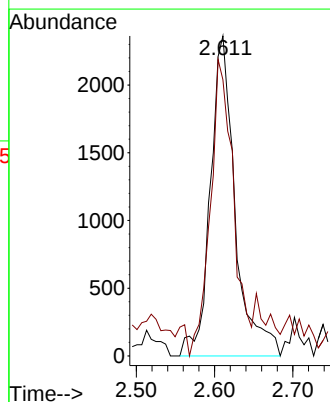
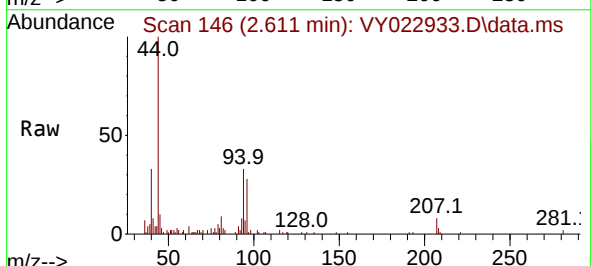
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

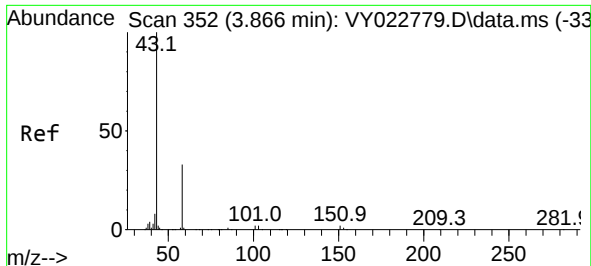
Tgt Ion:168 Resp: 296955
Ion Ratio Lower Upper
168 100
99 53.9 44.3 66.5



#5
Bromomethane
Concen: 1.094 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.012 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

Tgt Ion: 94 Resp: 5210
Ion Ratio Lower Upper
94 100
96 79.6 74.0 111.0

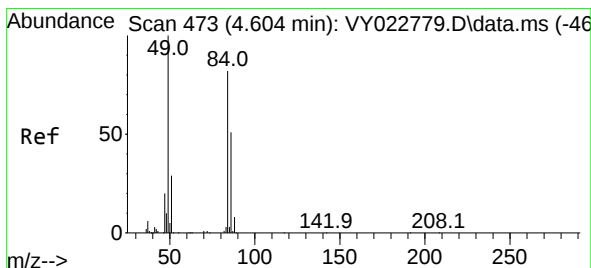
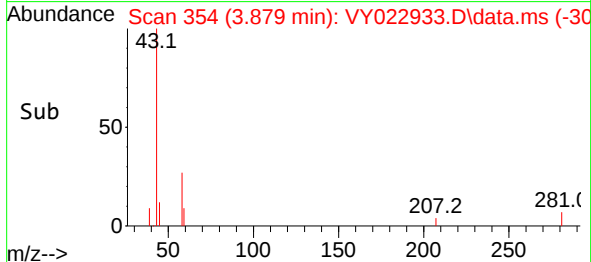
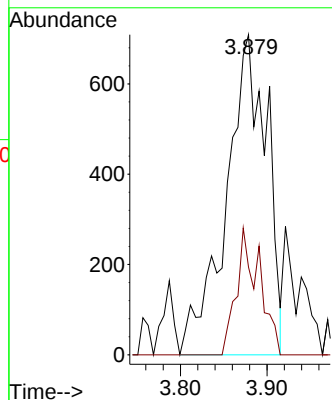
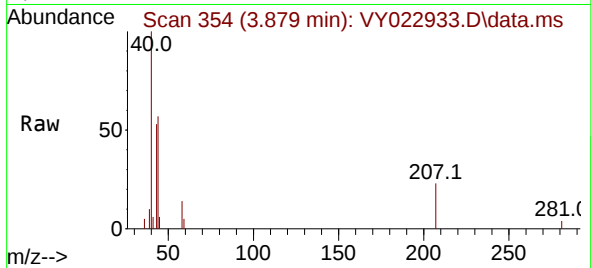




#16
Acetone
Concen: 3.688 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

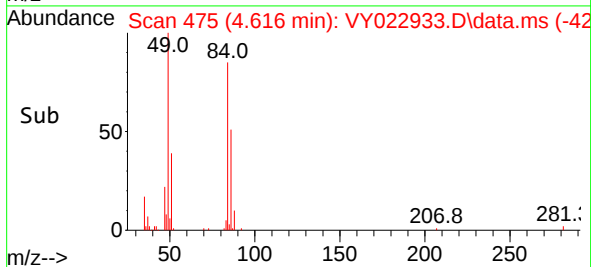
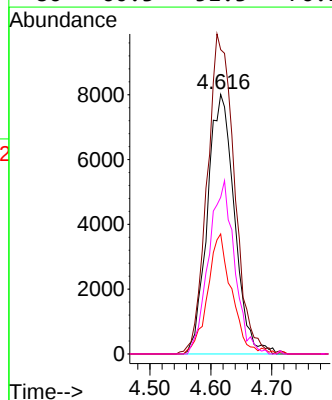
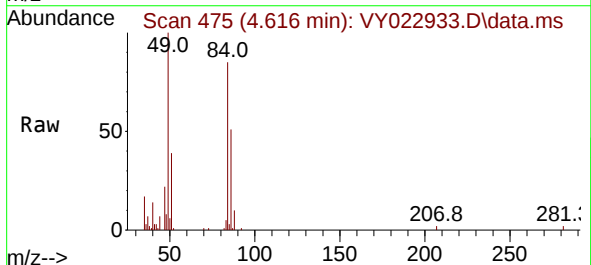
Instrument :
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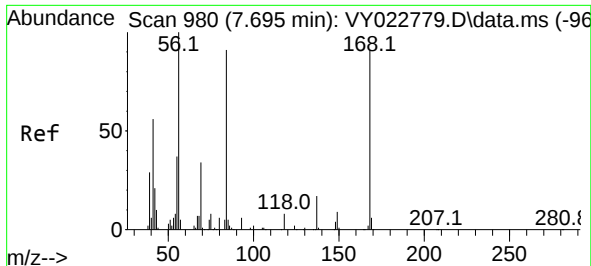
Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0



#20
Methylene Chloride
Concen: 6.237 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

Tgt Ion: 84 Resp: 24674
Ion Ratio Lower Upper
84 100
49 116.4 101.9 152.9
51 46.2 29.8 44.8#
86 60.3 51.3 76.9

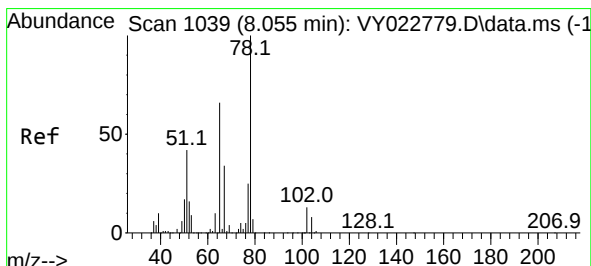
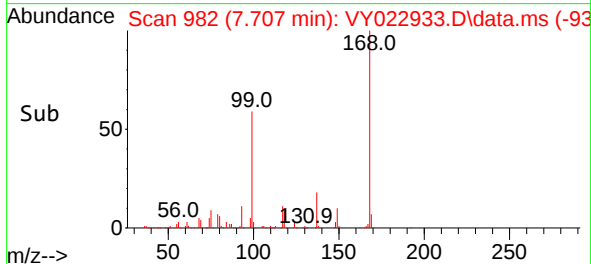
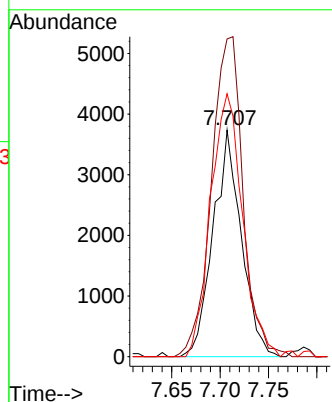
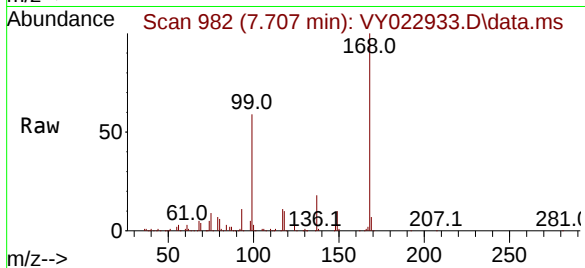




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

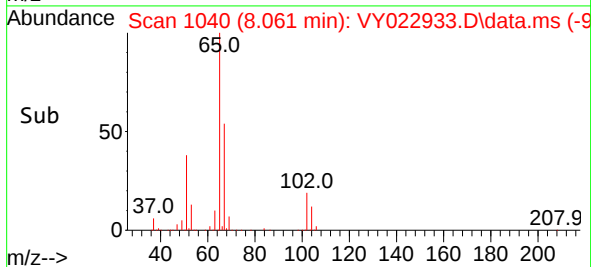
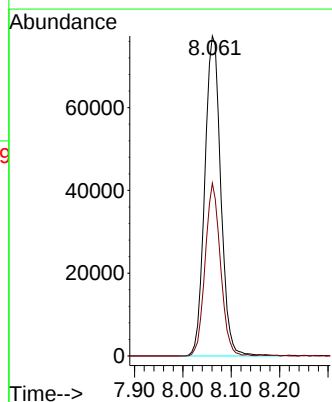
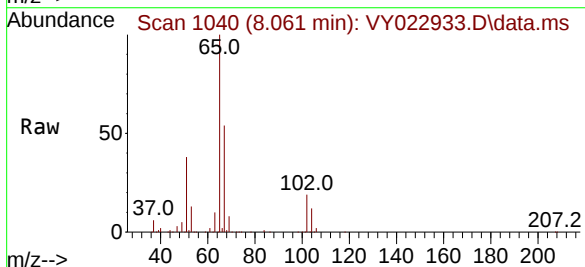
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

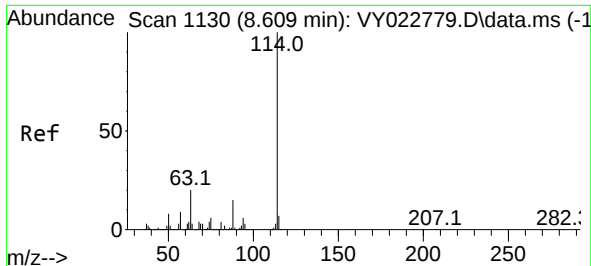
Tgt Ion: 56 Resp: 7578
Ion Ratio Lower Upper
56 100
69 138.8 27.0 40.6#
84 116.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.652 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

Tgt Ion: 65 Resp: 177819
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

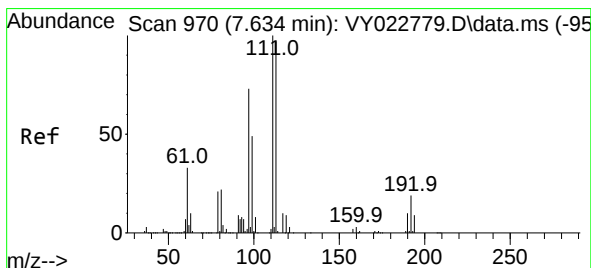
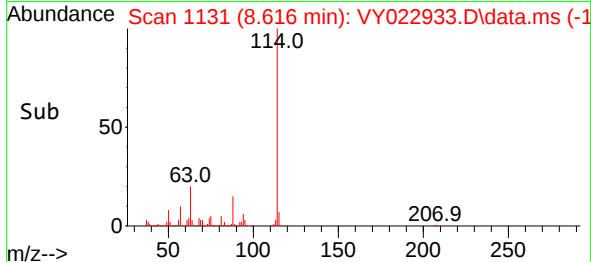
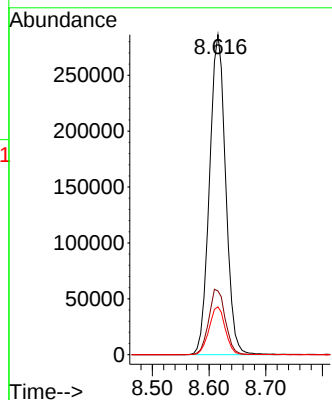
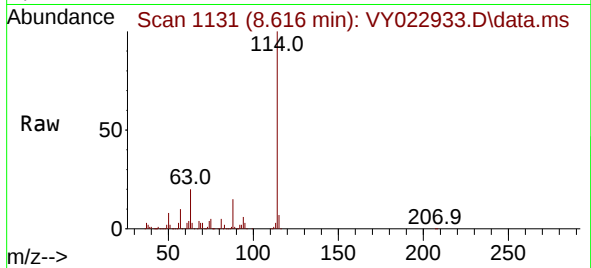




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

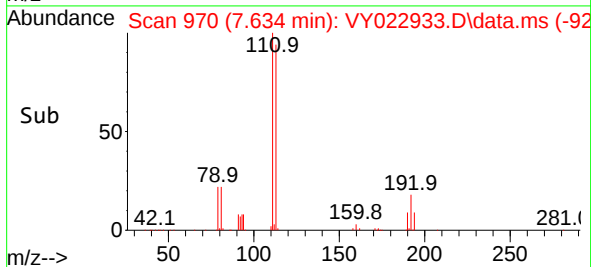
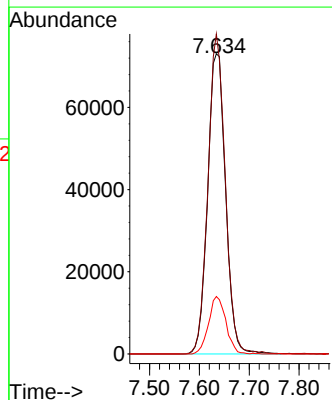
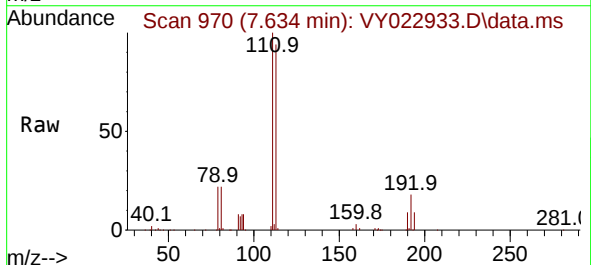
Instrument :
MSVOA_Y
ClientSampleId :
WC-11-VOC

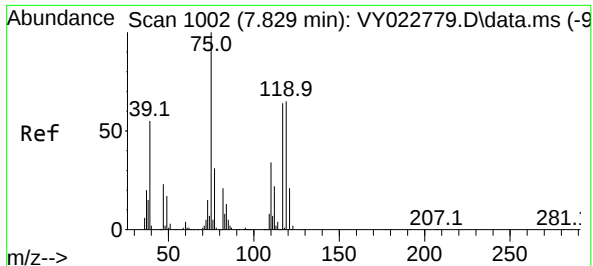
Tgt Ion:114 Resp: 566337
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.134 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

Tgt Ion:113 Resp: 183005
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.896 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022933.D

Acq: 03 Jul 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-11-VOC

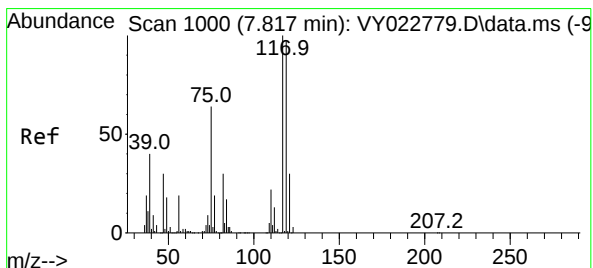
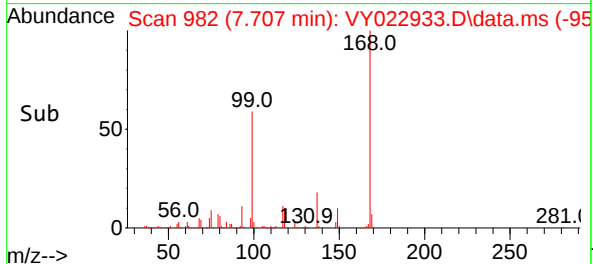
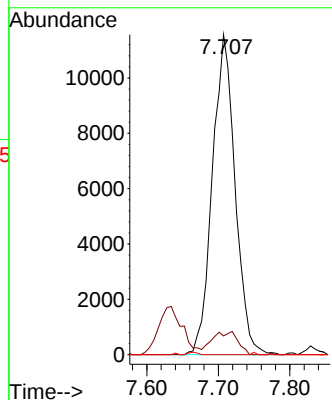
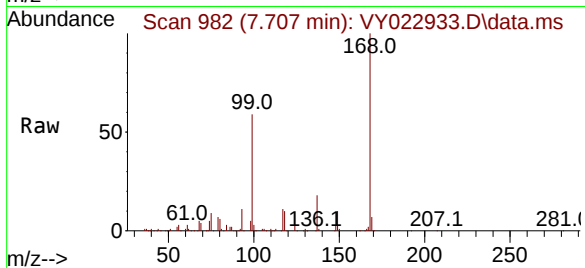
Tgt Ion: 75 Resp: 25561

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.675 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022933.D

Acq: 03 Jul 2025 11:29

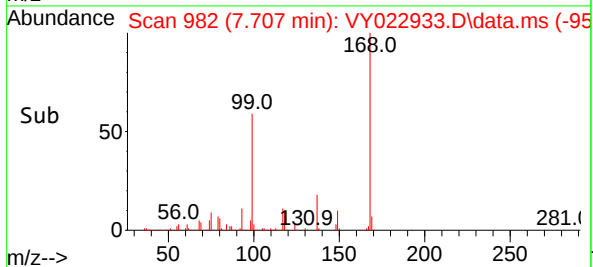
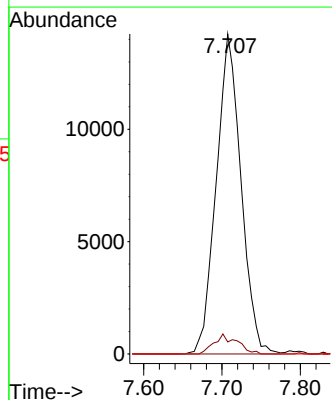
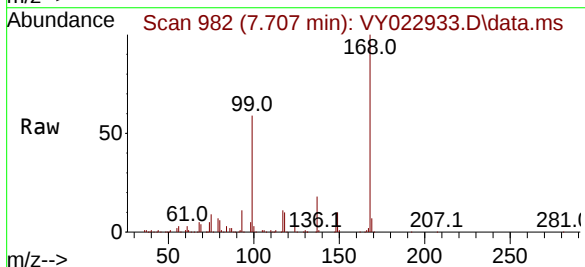
Tgt Ion: 117 Resp: 31258

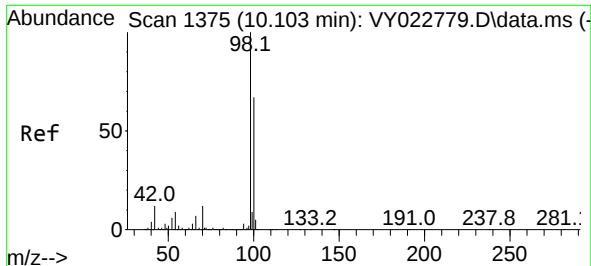
Ion Ratio Lower Upper

117 100

119 3.8 75.0 112.6#

121 0.0 25.0 37.4#

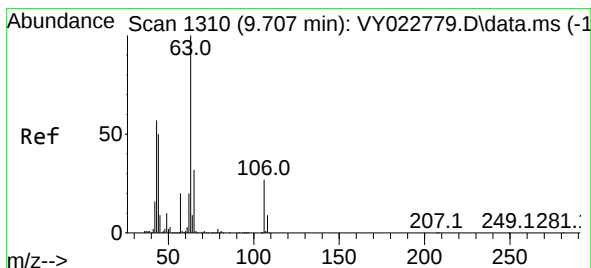
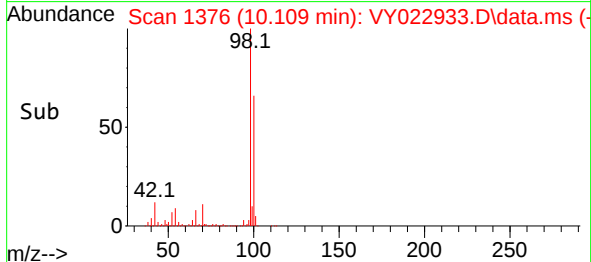
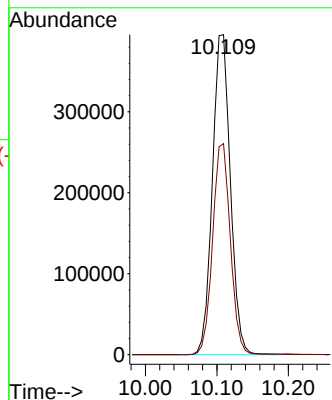
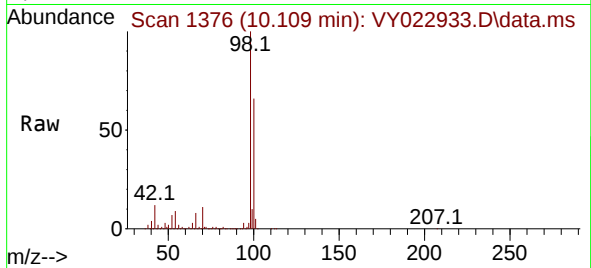




#50
Toluene-d8
Concen: 50.603 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

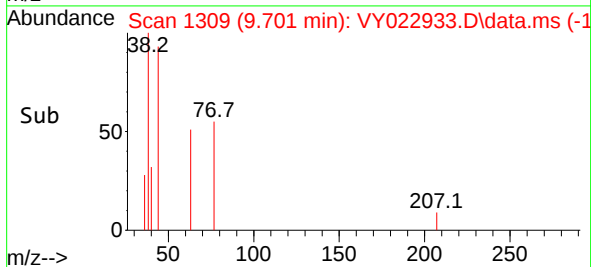
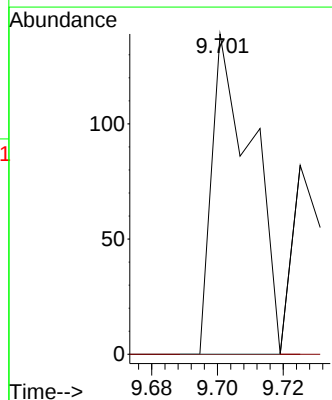
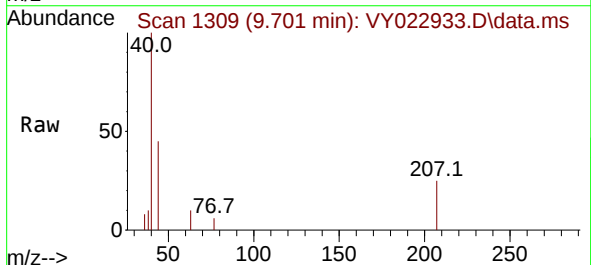
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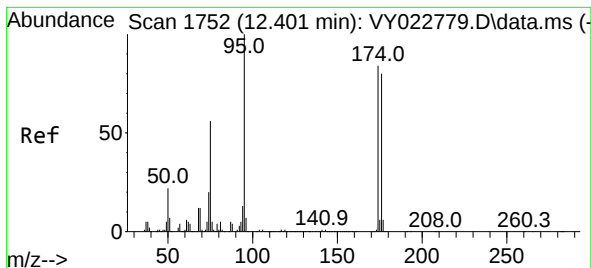
Tgt Ion: 98 Resp: 691598
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.712 ug/l
RT: 9.701 min Scan# 1309
Delta R.T. -0.012 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

Tgt Ion: 63 Resp: 118
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

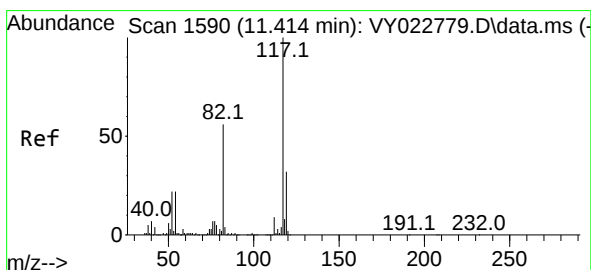
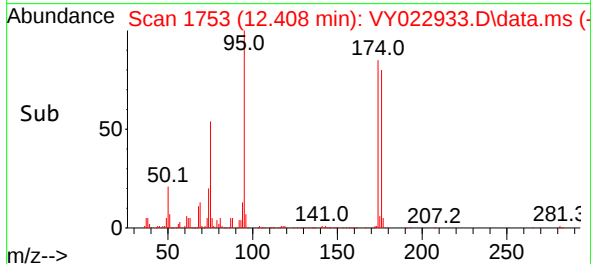
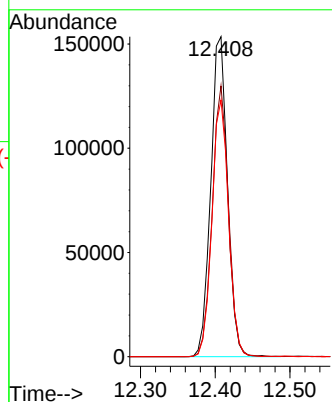
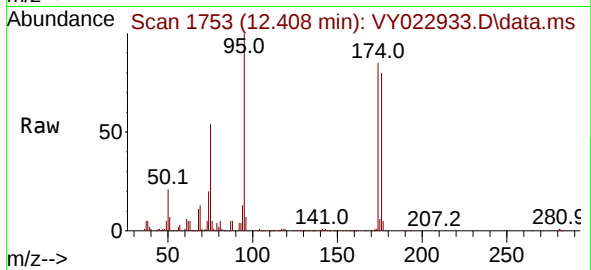




#62
4-Bromofluorobenzene
Concen: 54.273 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

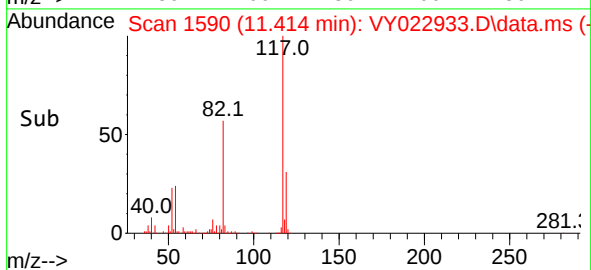
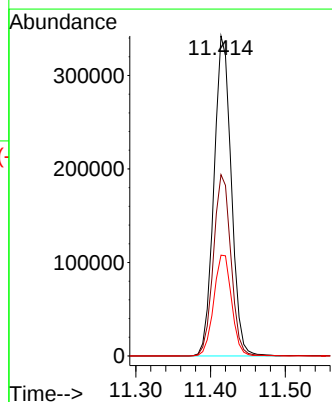
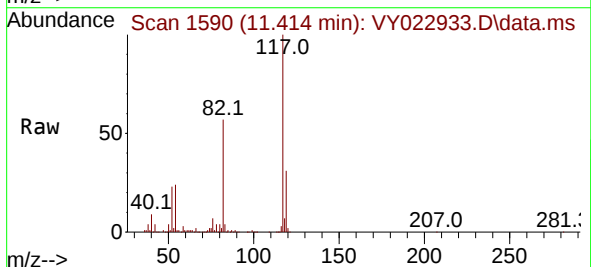
Instrument :
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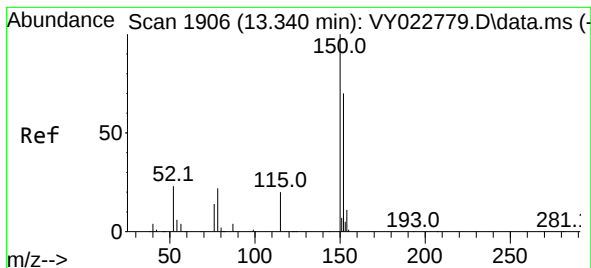
Tgt Ion: 95 Resp: 238448
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.0
176 79.5 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022933.D
Acq: 03 Jul 2025 11:29

Tgt Ion: 117 Resp: 551288
Ion Ratio Lower Upper
117 100
82 56.7 44.6 66.8
119 31.5 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: VY022933.D

Acq: 03 Jul 2025 11:29

Instrument :

MSVOA_Y

ClientSampleId :

WC-11-VOC

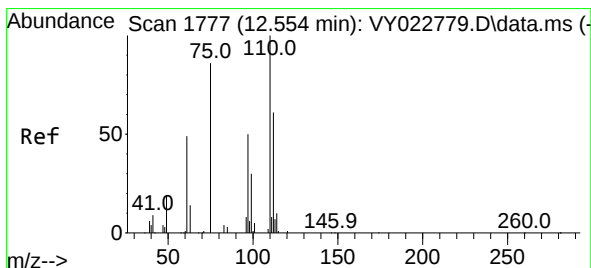
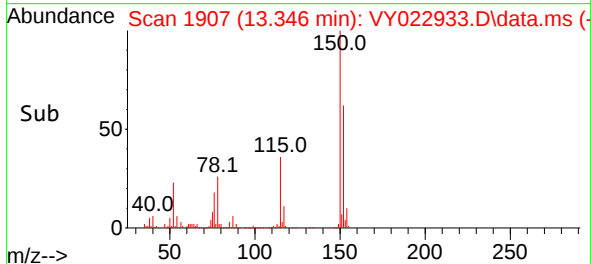
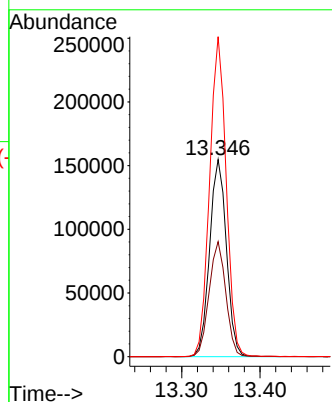
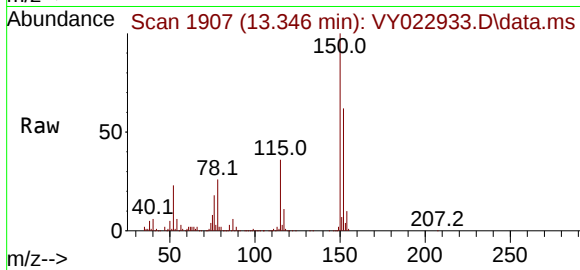
Tgt Ion:152 Resp: 230642

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 159.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 57.347 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022933.D

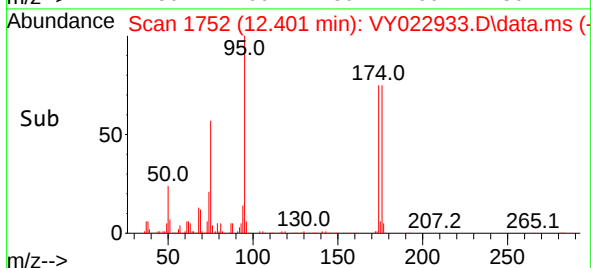
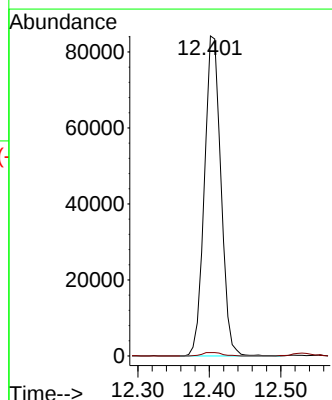
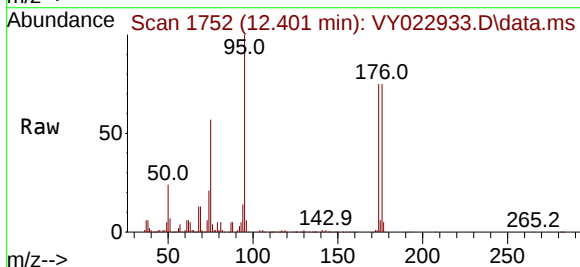
Acq: 03 Jul 2025 11:29

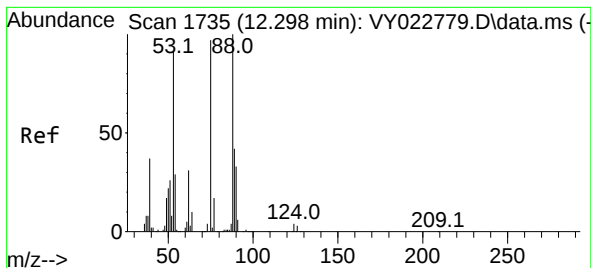
Tgt Ion: 75 Resp: 135032

Ion Ratio Lower Upper

75 100

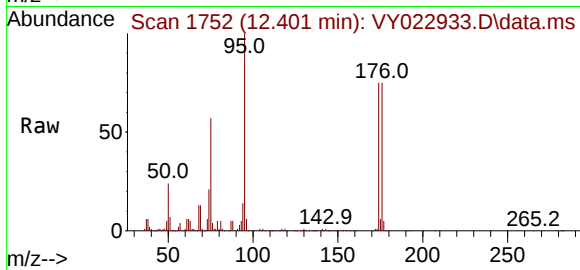
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.880 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022933.D
 Acq: 03 Jul 2025 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-11-VOC



Tgt Ion: 75 Resp: 135032
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

