

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022953.D
 Acq On : 07 Jul 2025 12:28
 Operator : SY/MD
 Sample : Q2504-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 08 01:45:51 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)

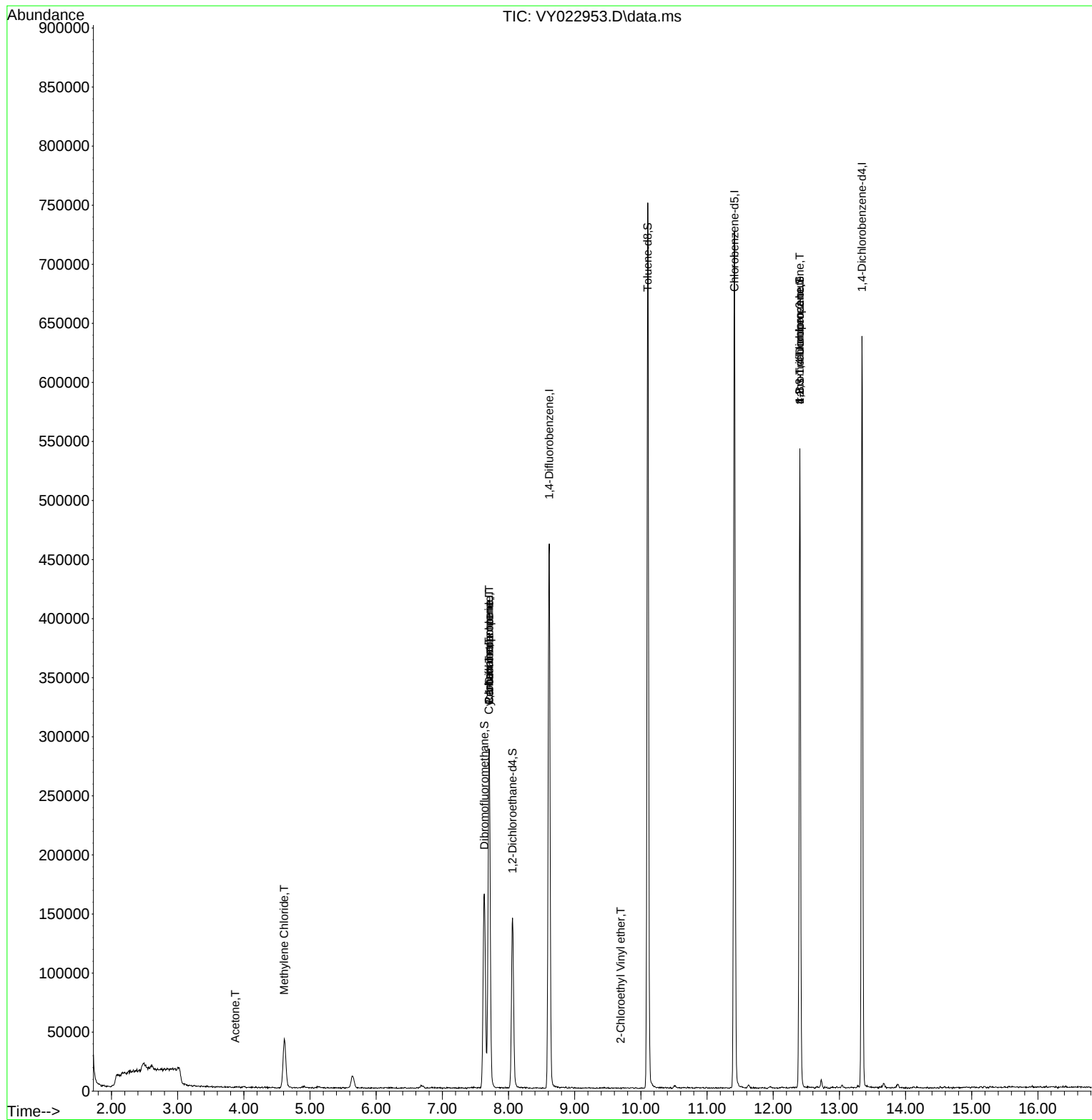
Internal Standards						
1) Pentafluorobenzene	7.707	168	221286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	389754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	155512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114877	46.513	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.020%
35) Dibromofluoromethane	7.634	113	120347	50.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.103	98	470480	50.021	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.402	95	157187	51.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.980%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	983	2.106	ug/l #	82
20) Methylene Chloride	4.610	84	30237	10.257	ug/l	95
31) Cyclohexane	7.701	56	5248	1.237	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18869	5.252	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22683	5.984	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.695	63	26	15.673	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	86822	54.686	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	86822	138.158	ug/l #	11

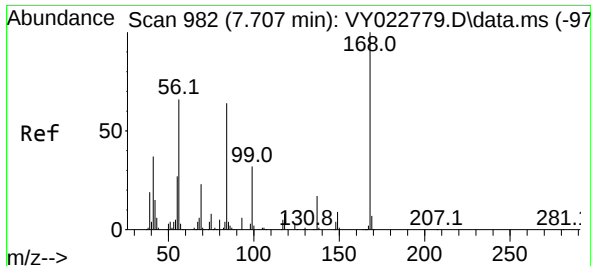
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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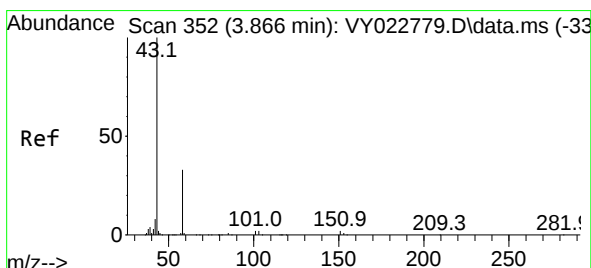
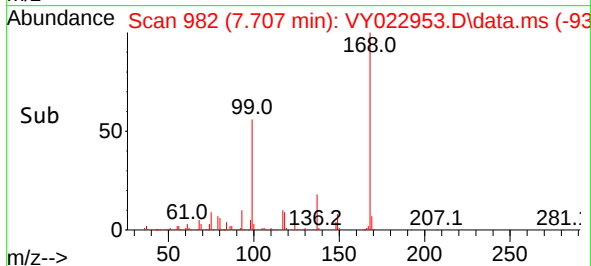
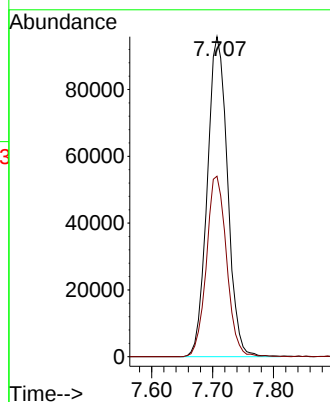
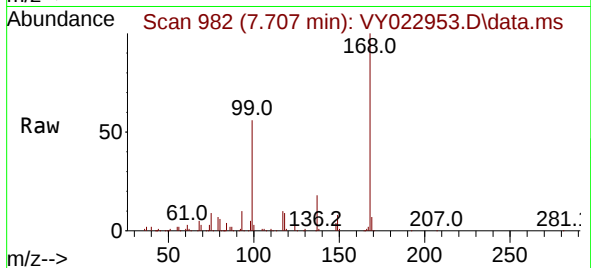




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

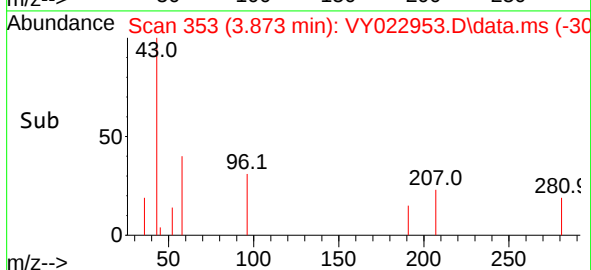
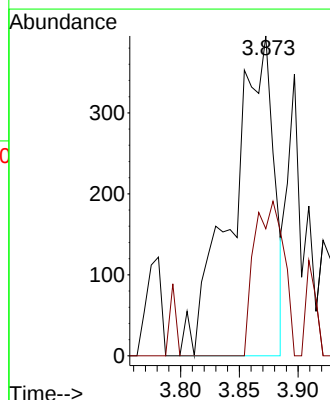
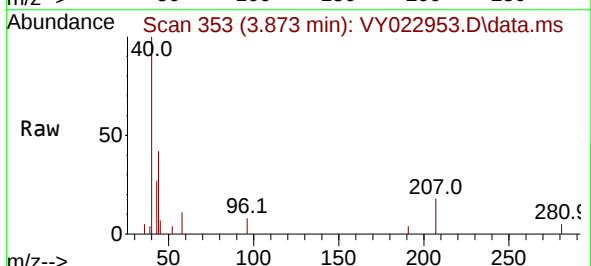
Instrument :
MSVOA_Y
ClientSampleId :
VOC

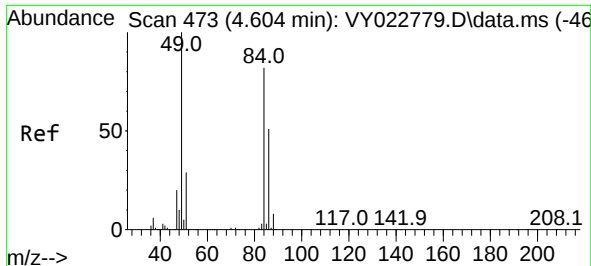
Tgt Ion:168 Resp: 221286
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#16
Acetone
Concen: 2.106 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 39.7 24.0 36.0#



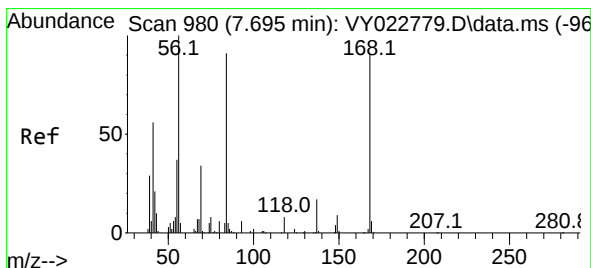
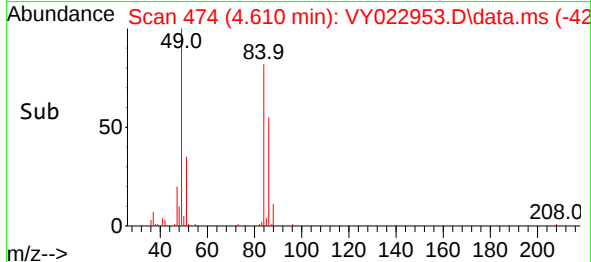
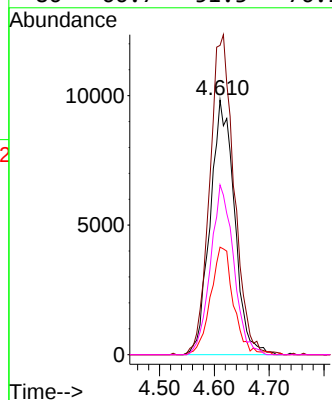
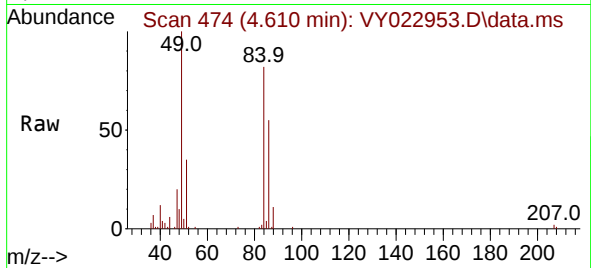


#20
Methylene Chloride
Concen: 10.257 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 84 Resp: 30237

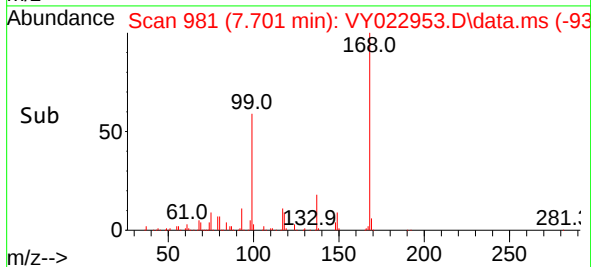
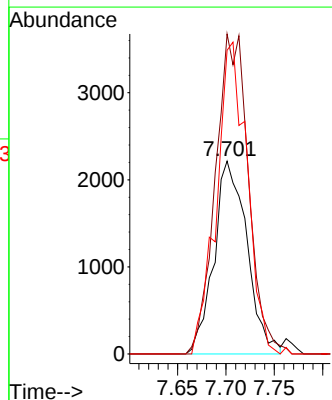
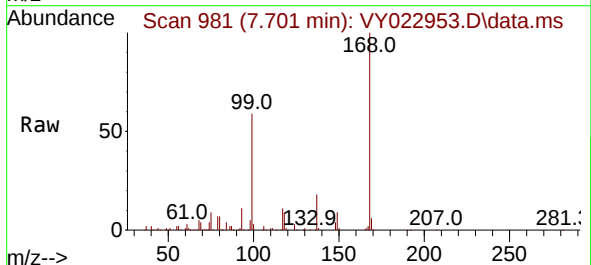
Ion	Ratio	Lower	Upper
84	100		
49	121.5	101.9	152.9
51	42.3	29.8	44.8
86	66.7	51.3	76.9

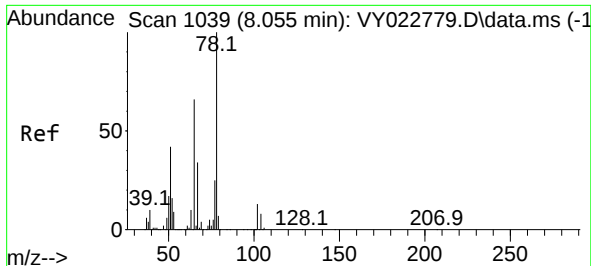


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

Tgt Ion: 56 Resp: 5248

Ion	Ratio	Lower	Upper
56	100		
69	166.0	27.0	40.6#
84	157.5	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 46.513 ug/l

RT: 8.061 min Scan# 114877

Delta R.T. -0.006 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

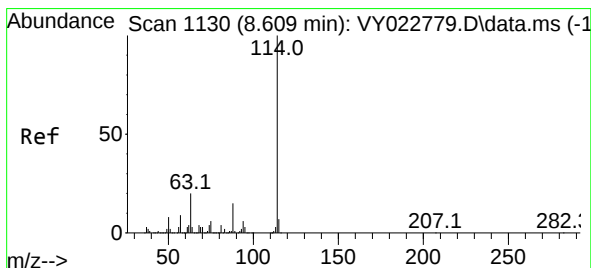
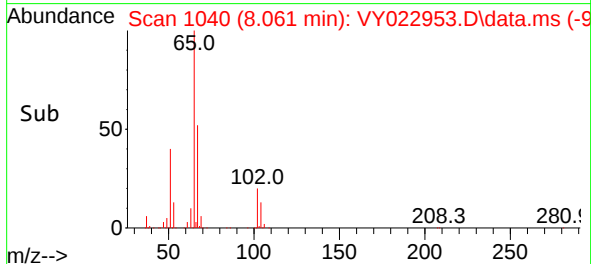
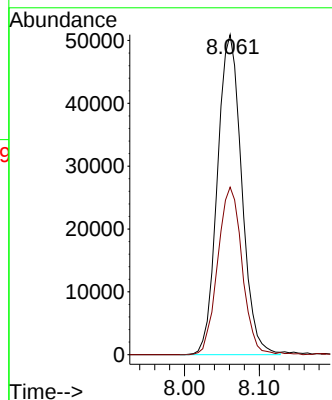
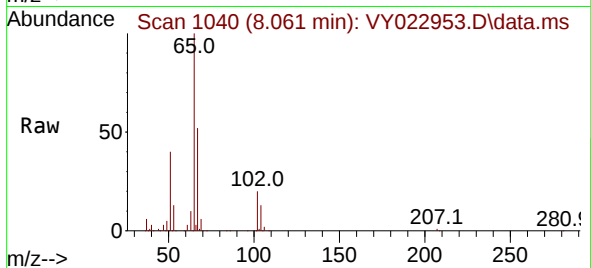
VOC

Tgt Ion: 65 Resp: 114877

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

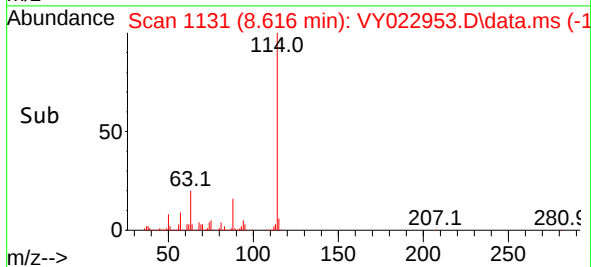
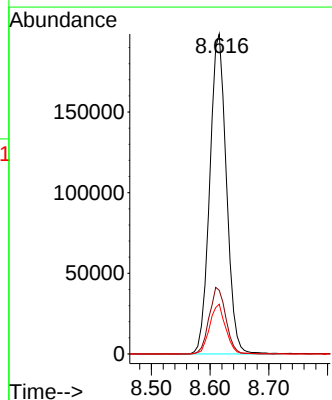
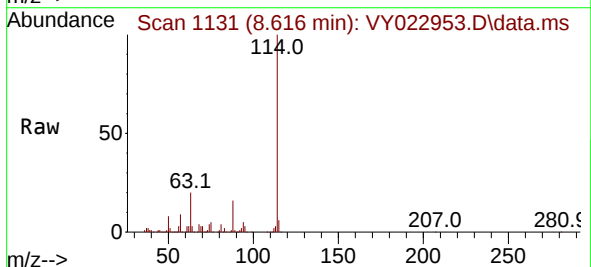
Tgt Ion:114 Resp: 389754

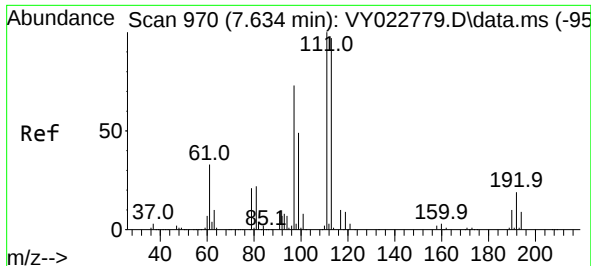
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.6 0.0 27.8

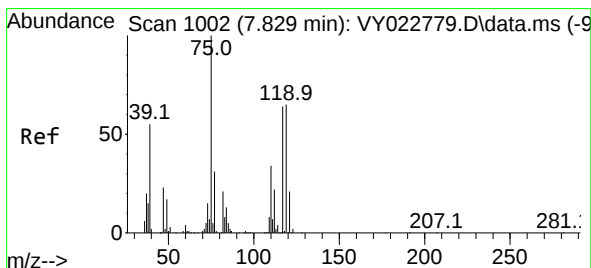
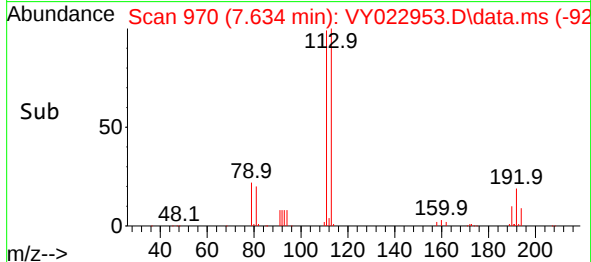
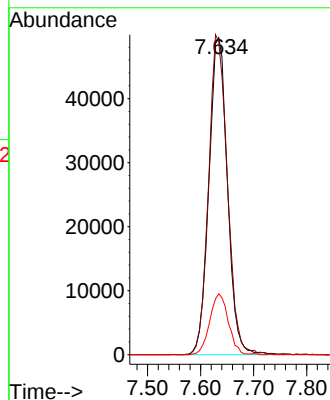
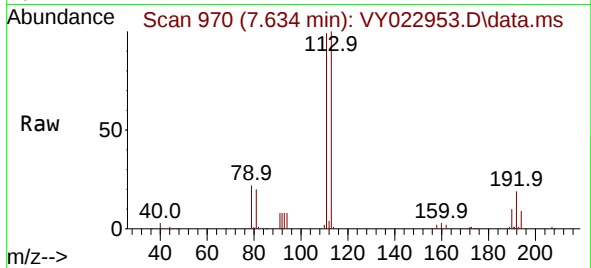




#35
Dibromofluoromethane
Concen: 50.773 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

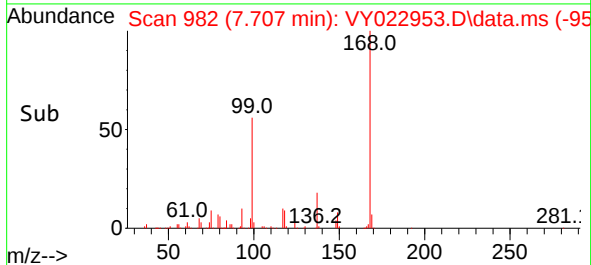
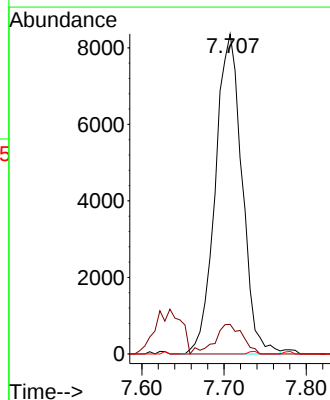
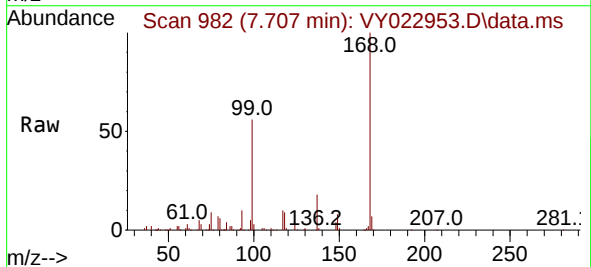
Instrument :
MSVOA_Y
ClientSampleId :
VOC

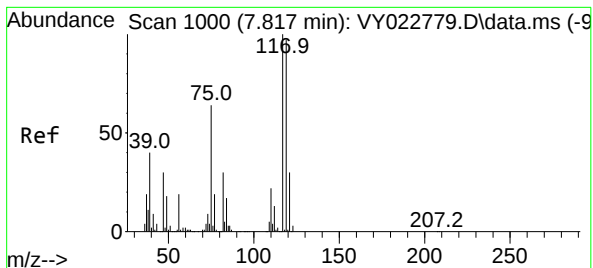
Tgt Ion:113 Resp: 120347
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

Tgt Ion: 75 Resp: 18869
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.984 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VOC

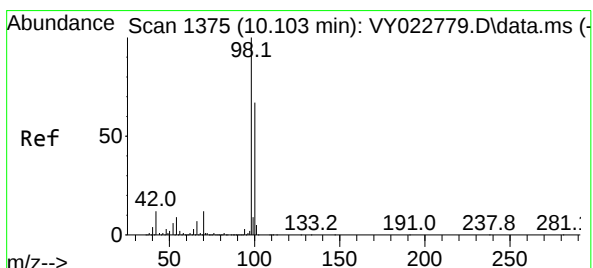
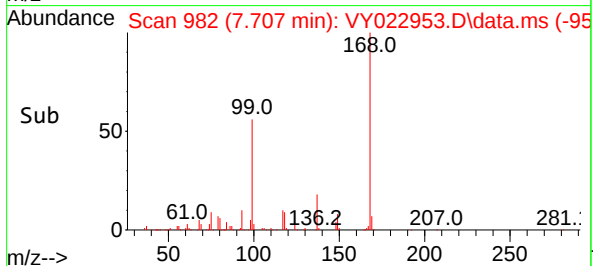
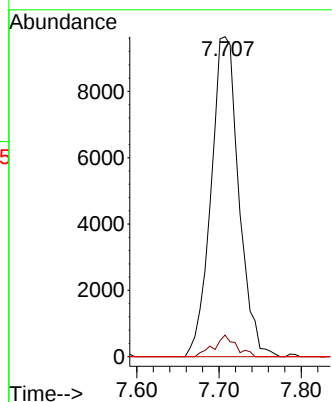
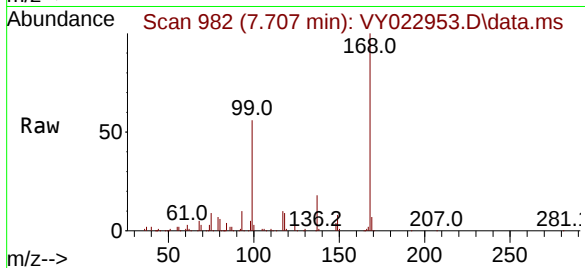
Tgt Ion:117 Resp: 22683

Ion Ratio Lower Upper

117 100

119 6.8 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.021 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022953.D

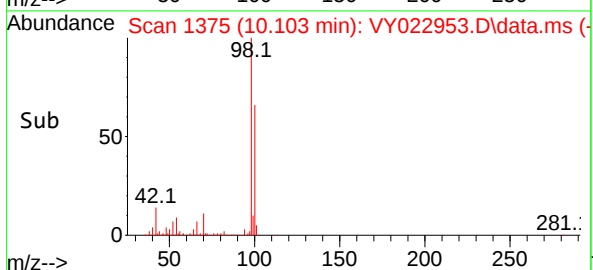
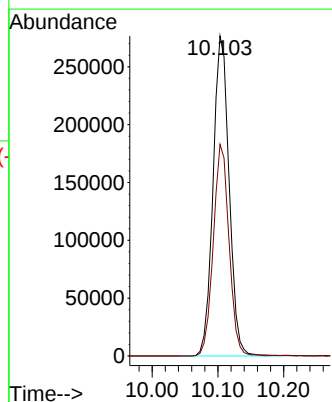
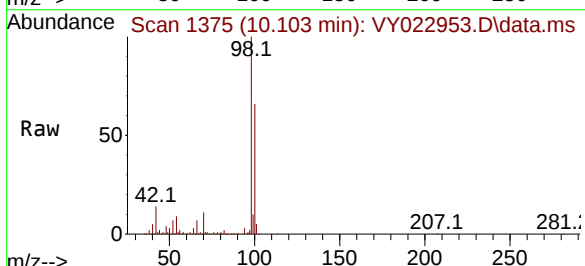
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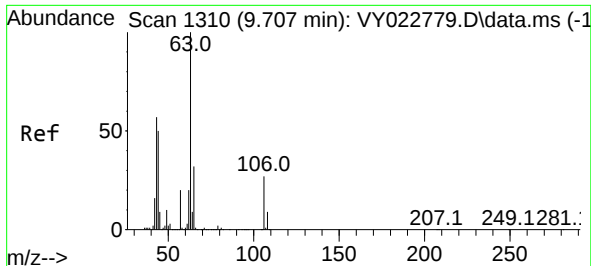
Tgt Ion: 98 Resp: 470480

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0

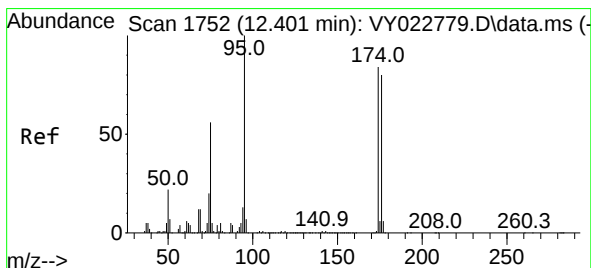
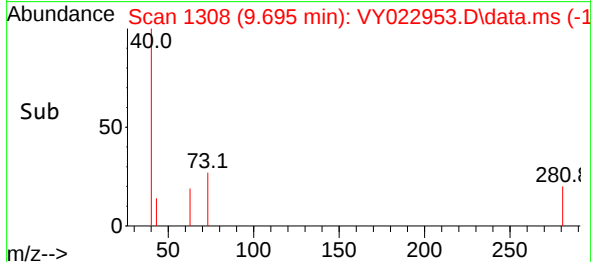
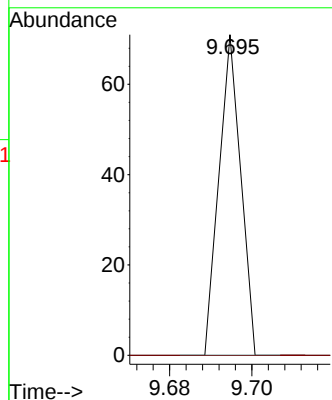
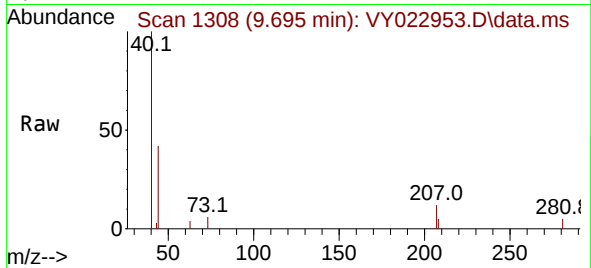




#58
2-Chloroethyl Vinyl ether
Concen: 15.673 ug/l
RT: 9.695 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

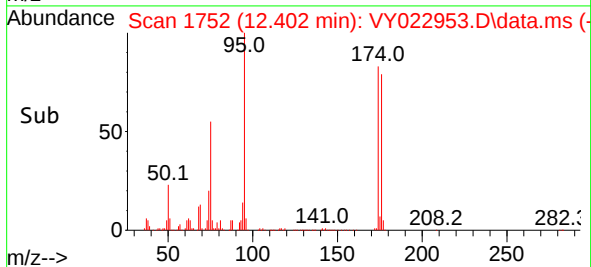
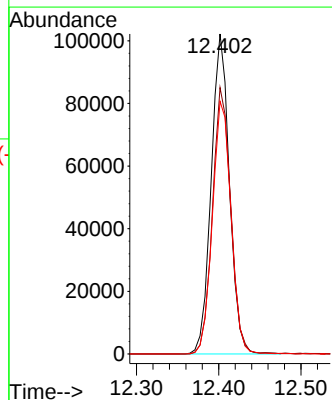
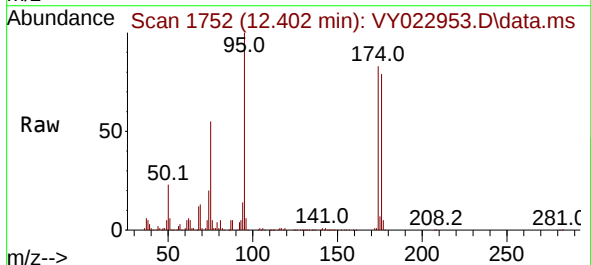
Instrument :
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VOC

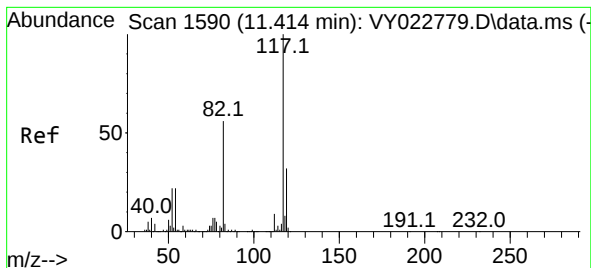
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 51.986 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022953.D
Acq: 07 Jul 2025 12:28

Tgt Ion: 95 Resp: 157187
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 80.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VOC

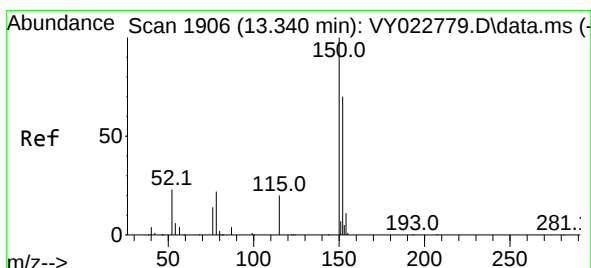
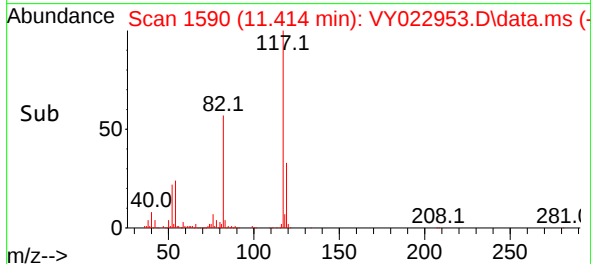
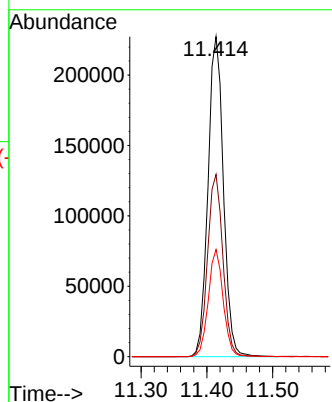
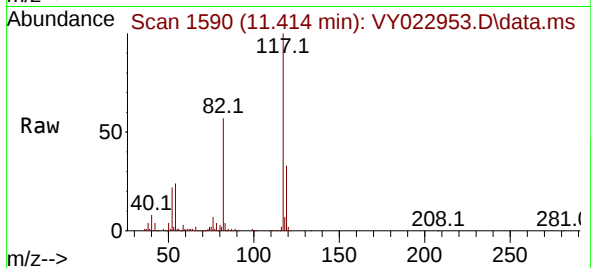
Tgt Ion:117 Resp: 370921

Ion Ratio Lower Upper

117 100

82 56.9 44.6 66.8

119 33.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

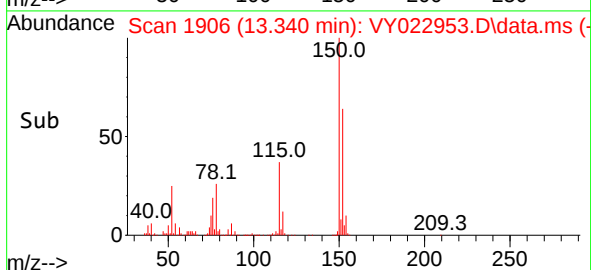
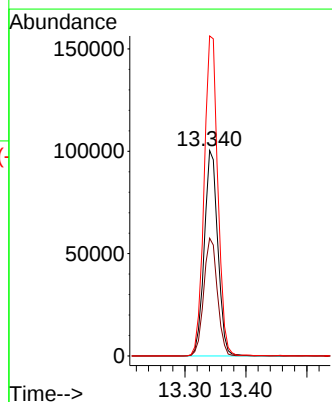
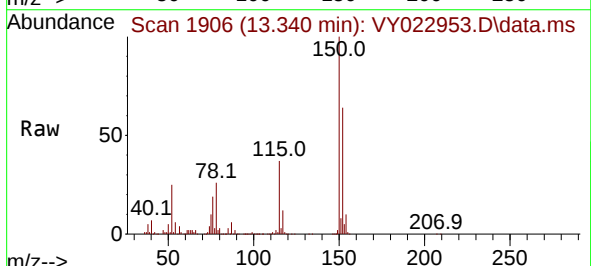
Tgt Ion:152 Resp: 155512

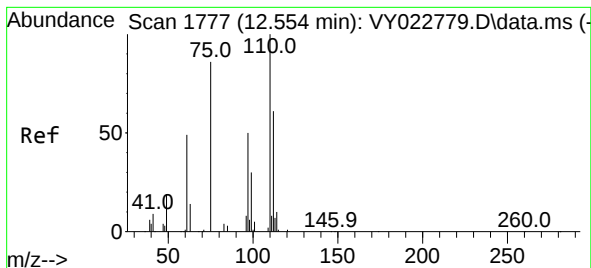
Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.8 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 54.686 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

Instrument :

MSVOA_Y

ClientSampleId :

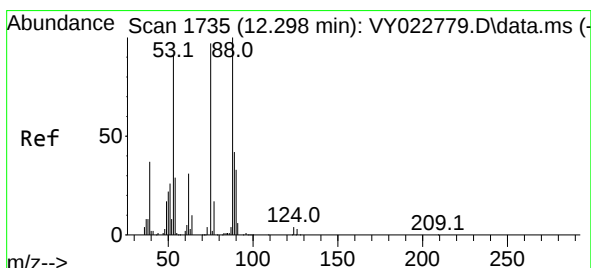
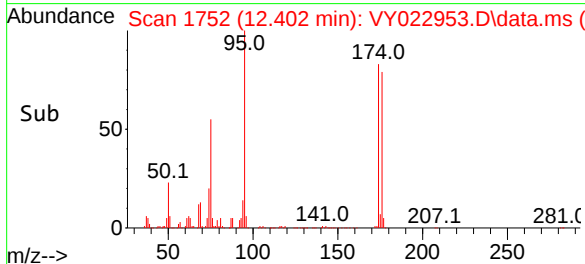
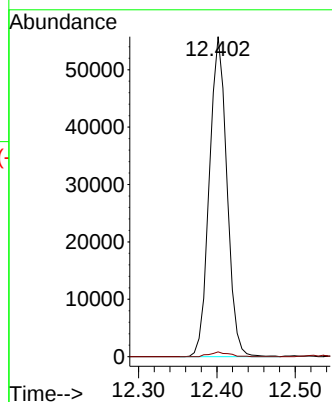
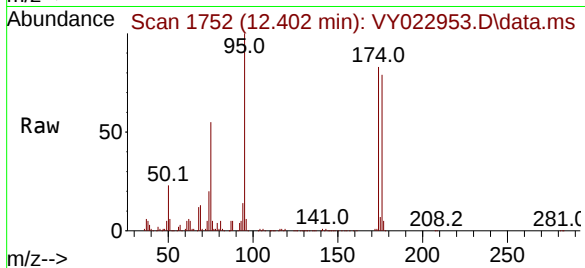
VOC

Tgt Ion: 75 Resp: 86822

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.158 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022953.D

Acq: 07 Jul 2025 12:28

Tgt Ion: 75 Resp: 86822

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 35.7 53.5#

