

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021686.D
 Acq On : 28 Mar 2025 12:54
 Operator : SY/MD
 Sample : Q1662-07
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7-VOC

Quant Time: Mar 28 23:42:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

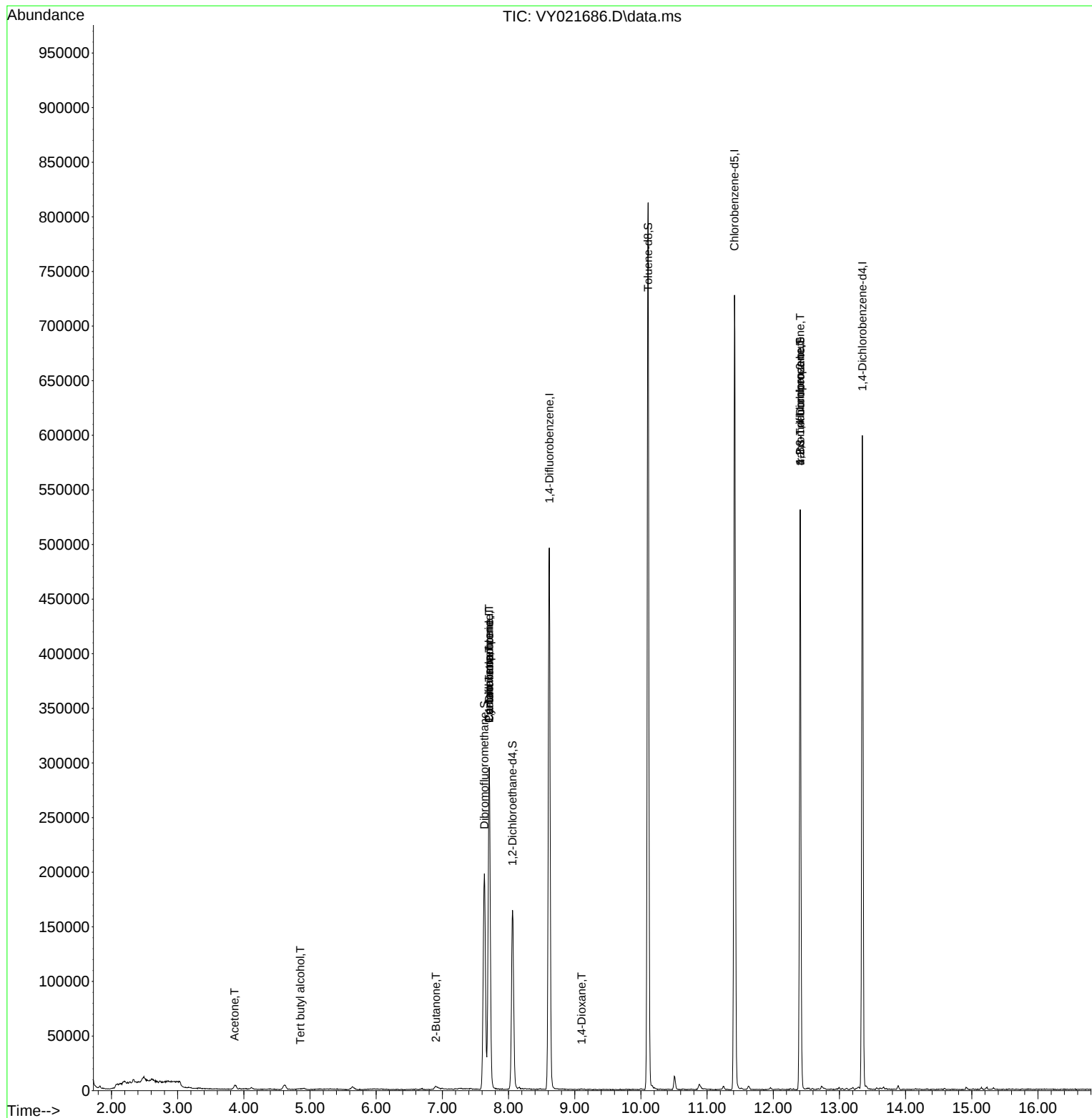
Internal Standards						
1) Pentafluorobenzene	7.707	168	220427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	414352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	374263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130434	54.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.220%	
35) Dibromofluoromethane	7.634	113	139936	52.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.120%	
50) Toluene-d8	10.109	98	507407	49.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	12.408	95	152227	44.013	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	360	2.321	ug/l #	70
16) Acetone	3.860	43	6963	14.246	ug/l	99
20) Methylene Chloride	4.616	84	2924	Below Cal		97
25) 2-Butanone	6.902	43	1086	1.556	ug/l #	74
31) Cyclohexane	7.707	56	5020	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18718	4.572	ug/l #	50
38) Carbon Tetrachloride	7.707	117	22645	4.829	ug/l #	17
49) 1,4-Dioxane	9.103	88	20	1.116	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	81230	57.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	81230	132.446	ug/l #	12

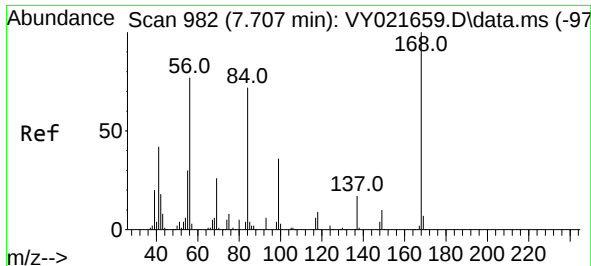
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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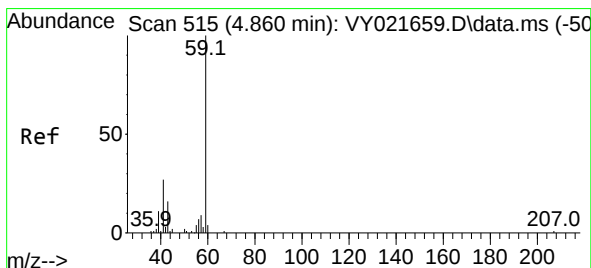
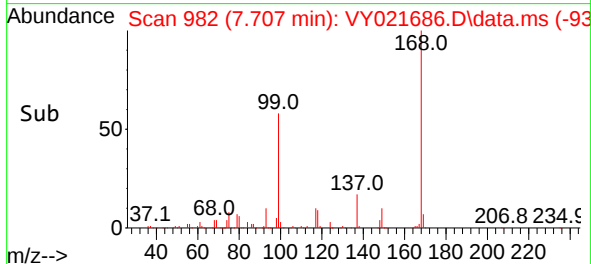
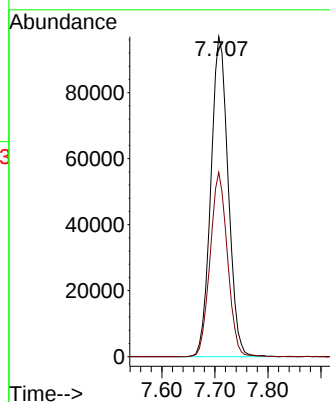
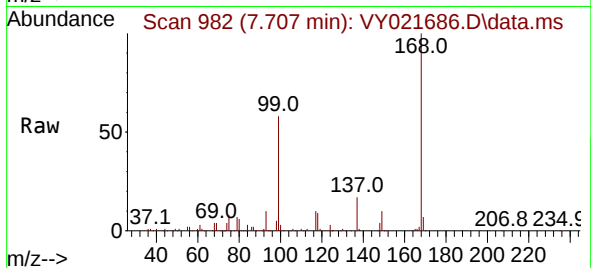




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

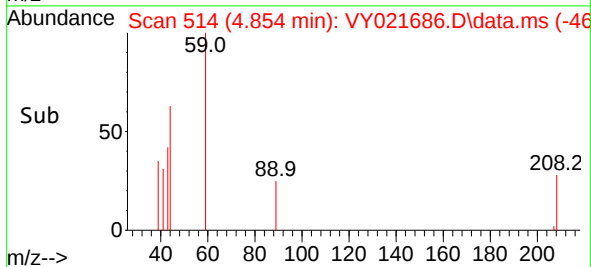
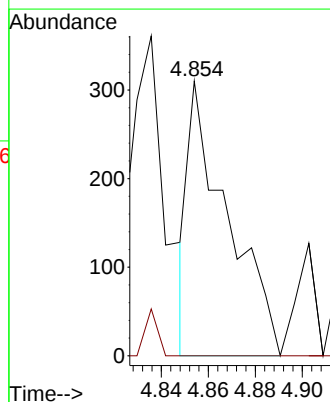
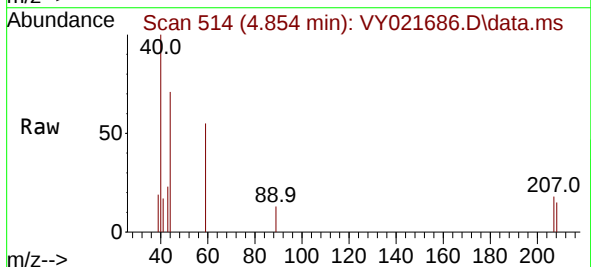
Instrument :
MSVOA_Y
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TP-7-VOC

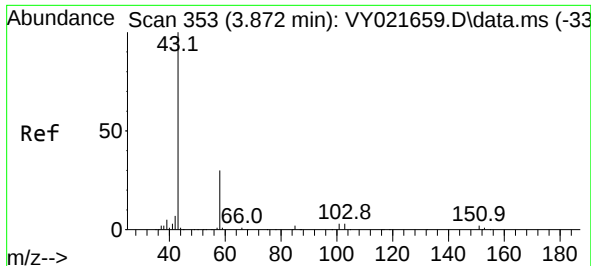
Tgt Ion:168 Resp: 220427
Ion Ratio Lower Upper
168 100
99 57.6 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.321 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

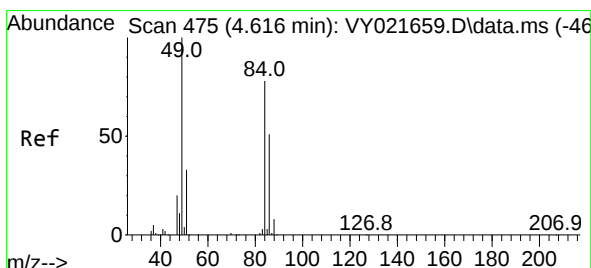
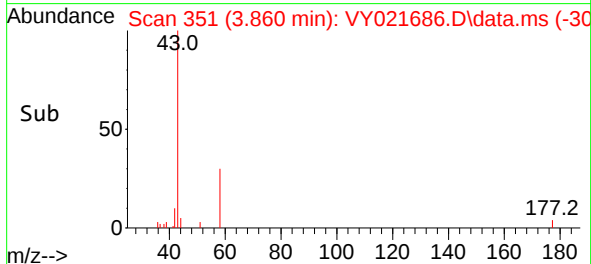
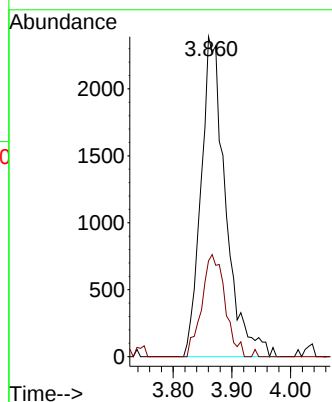
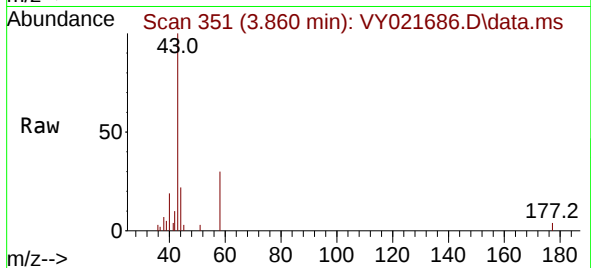




#16
Acetone
Concen: 14.246 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

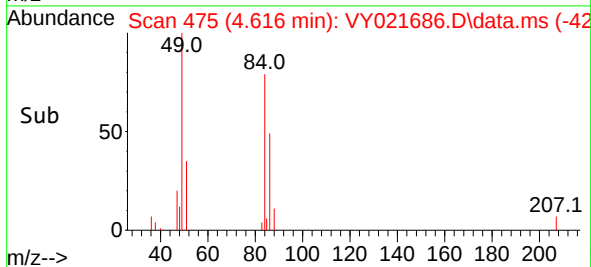
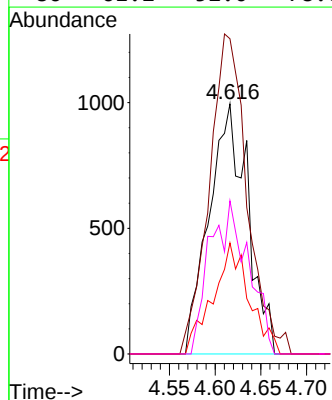
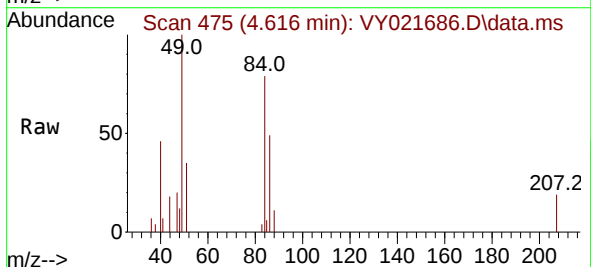
Instrument :
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ClientSampleId :
TP-7-VOC

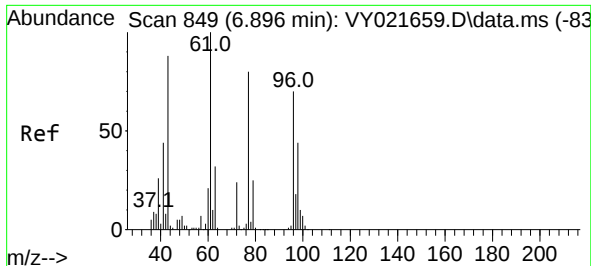
Tgt Ion: 43 Resp: 6963
Ion Ratio Lower Upper
43 100
58 30.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

Tgt Ion: 84 Resp: 2924
Ion Ratio Lower Upper
84 100
49 126.0 102.8 154.2
51 44.4 33.5 50.3
86 61.2 52.0 78.0

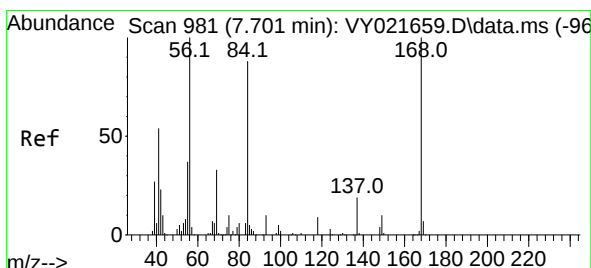
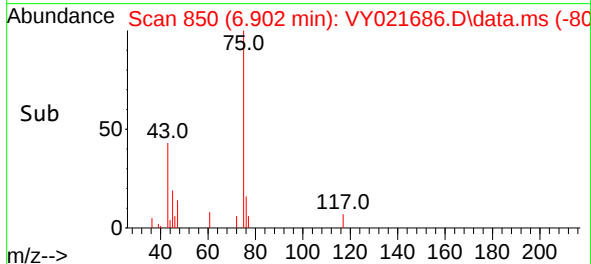
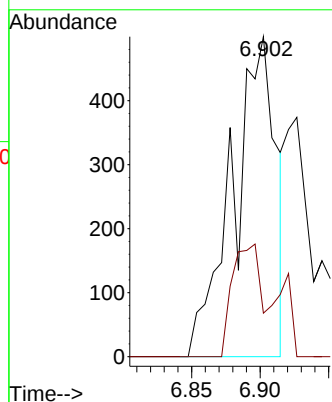
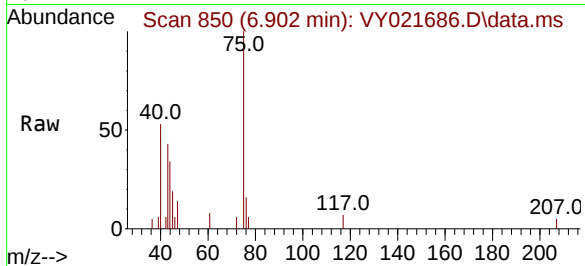




#25
2-Butanone
Concen: 1.556 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

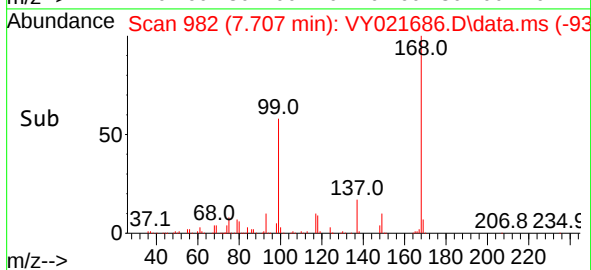
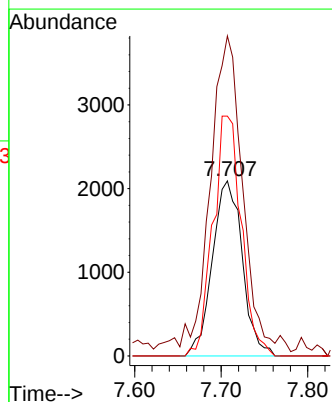
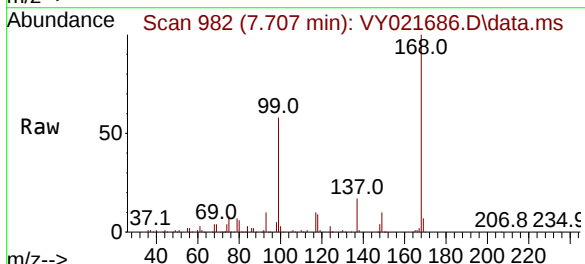
Instrument :
MSVOA_Y
ClientSampleId :
TP-7-VOC

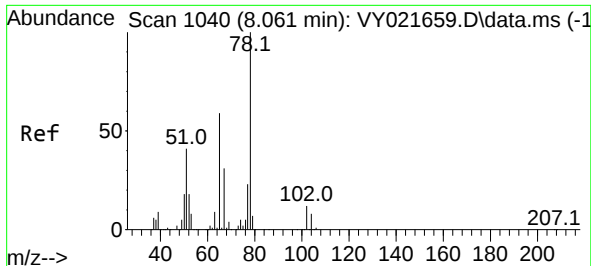
Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
72 13.6 21.4 32.2#



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

Tgt Ion: 56 Resp: 5020
Ion Ratio Lower Upper
56 100
69 177.5 26.6 40.0#
84 136.9 69.0 103.4#

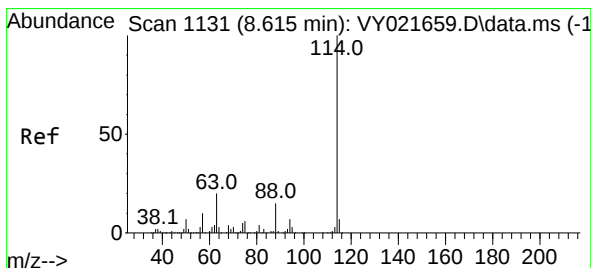
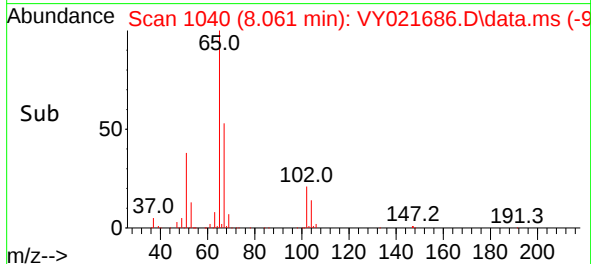
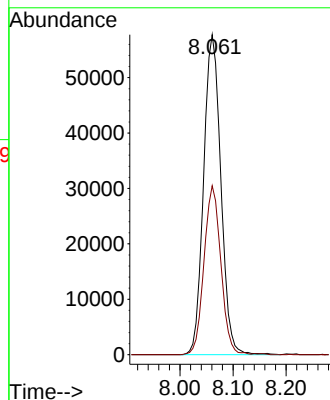
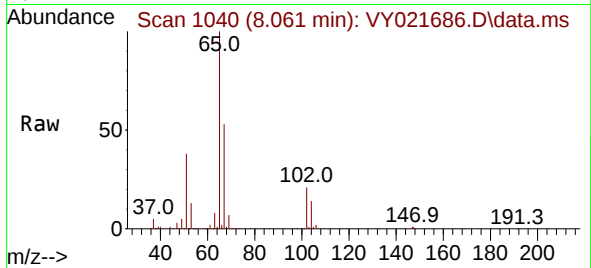




#33
1,2-Dichloroethane-d4
Concen: 54.615 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

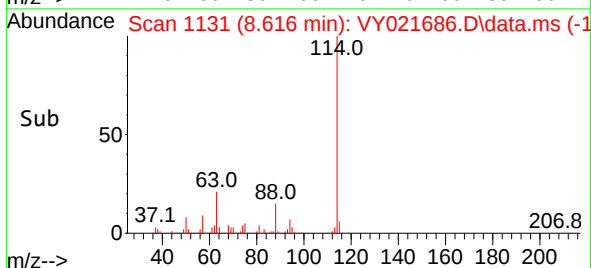
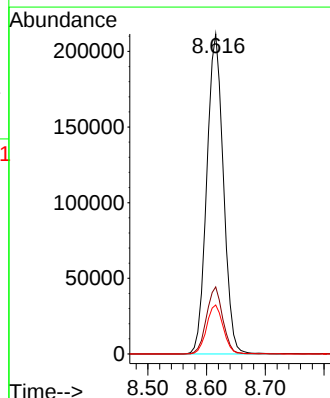
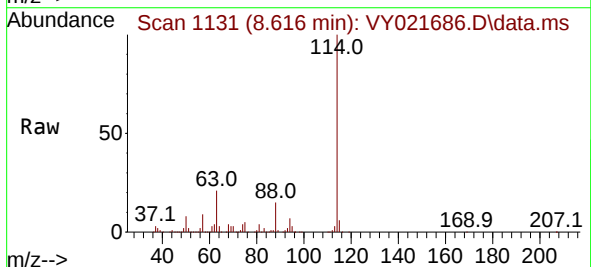
Instrument :
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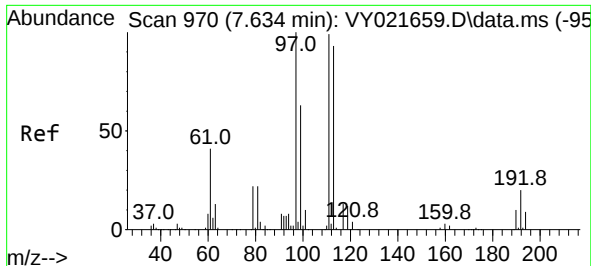
Tgt Ion: 65 Resp: 130434
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

Tgt Ion: 114 Resp: 414352
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 15.3 0.0 29.8

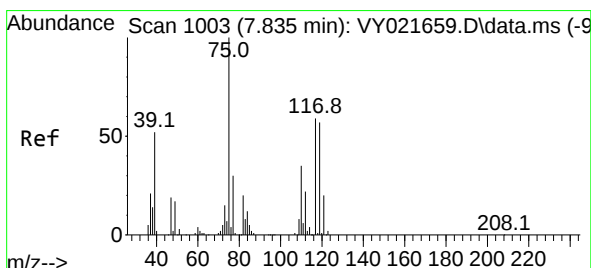
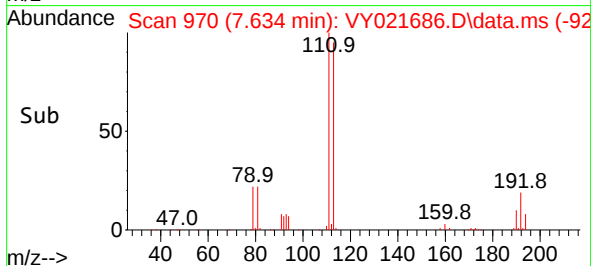
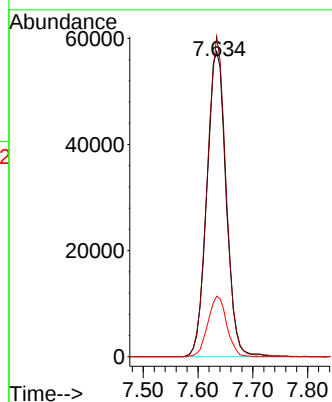
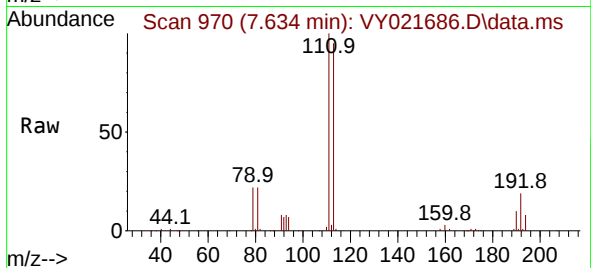




#35
Dibromofluoromethane
Concen: 52.063 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

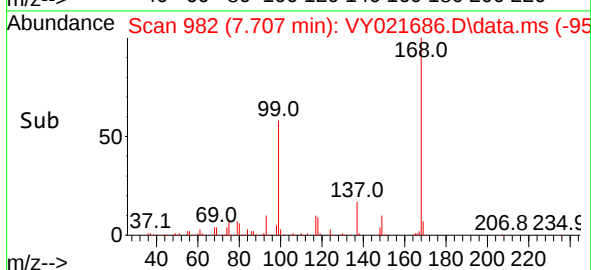
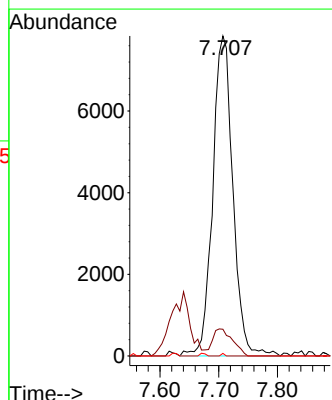
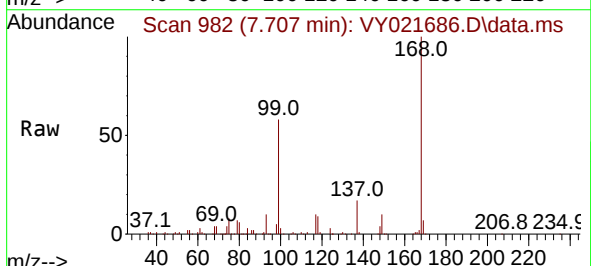
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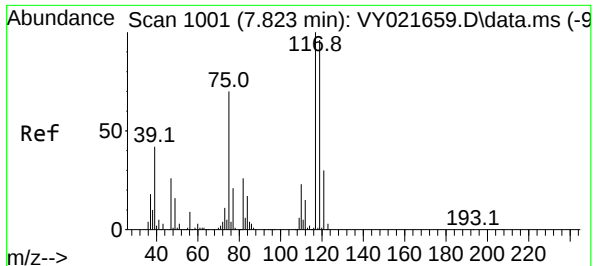
Tgt Ion:113 Resp: 139936
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.572 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

Tgt Ion: 75 Resp: 18718
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.1 24.8 37.2#

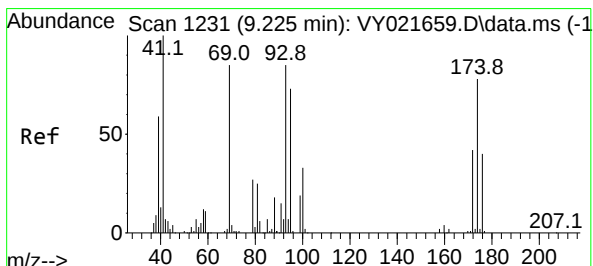
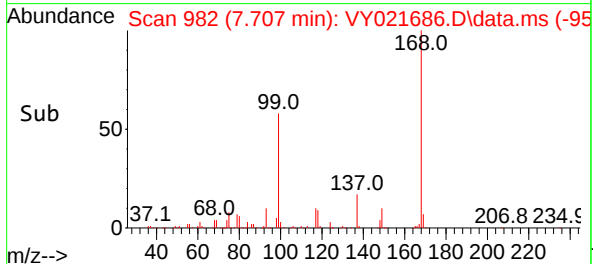
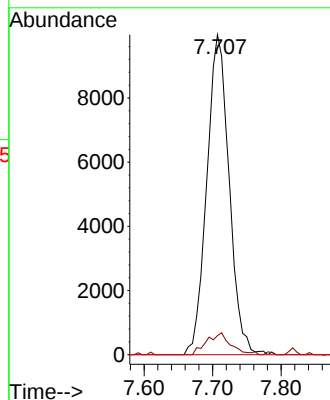
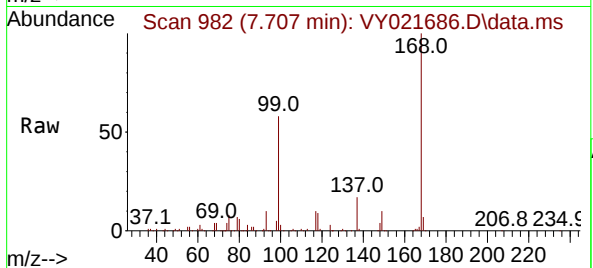




#38
Carbon Tetrachloride
Concen: 4.829 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

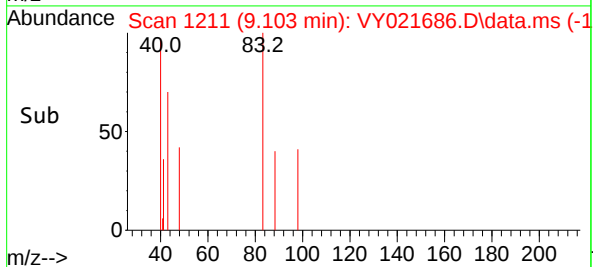
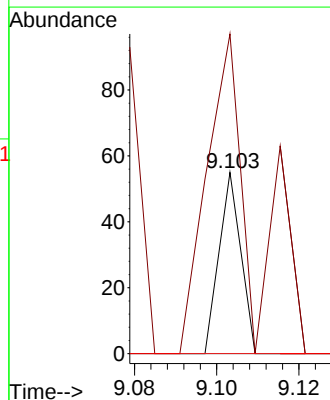
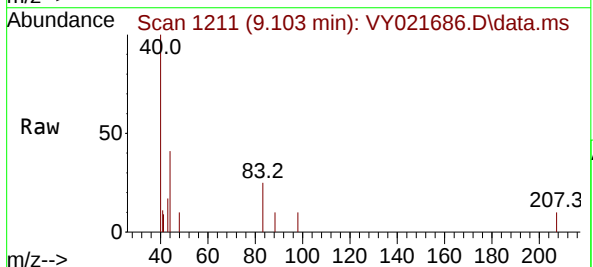
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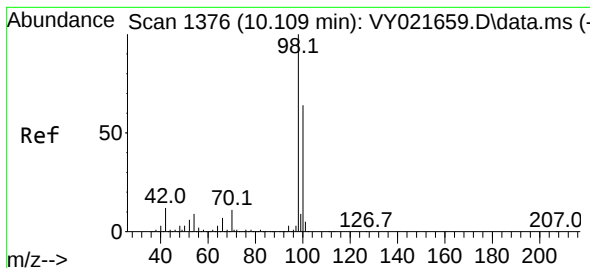
Tgt Ion:117 Resp: 22645
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.116 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.122 min
Lab File: VY021686.D
Acq: 28 Mar 2025 12:54

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 390.0 28.8 43.2#
58 0.0 59.4 89.2#





#50

Toluene-d8

Concen: 49.623 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021686.D

Acq: 28 Mar 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

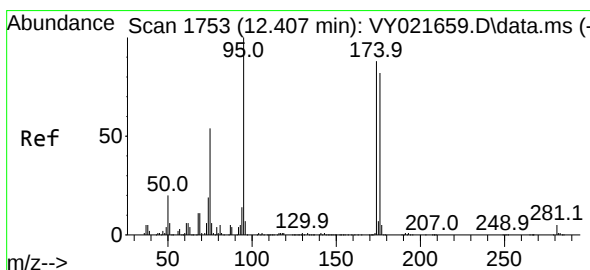
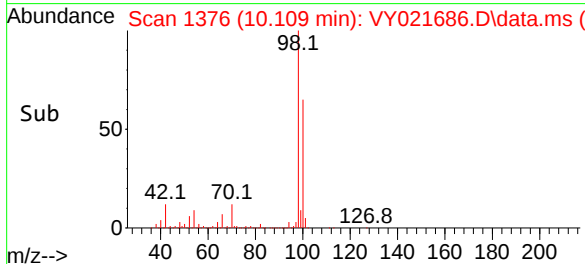
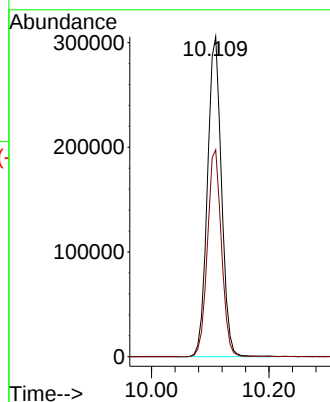
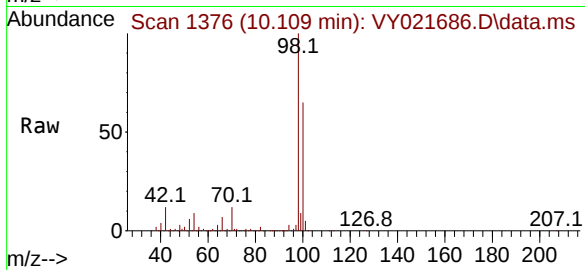
TP-7-VOC

Tgt Ion: 98 Resp: 507407

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.013 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021686.D

Acq: 28 Mar 2025 12:54

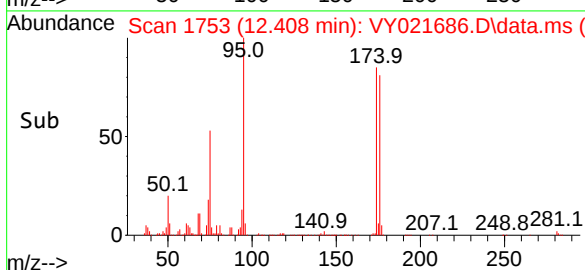
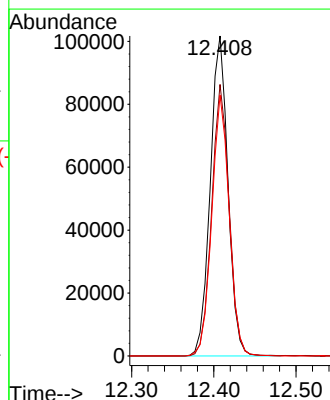
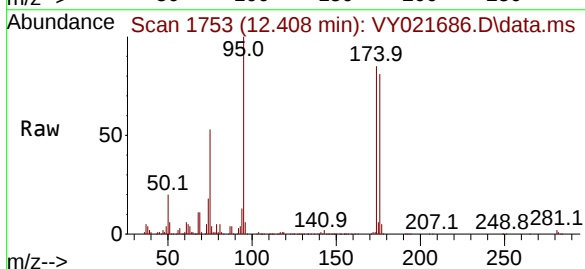
Tgt Ion: 95 Resp: 152227

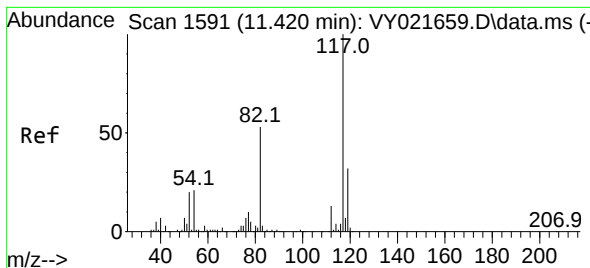
Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.8

176 80.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021686.D

Acq: 28 Mar 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

TP-7-VOC

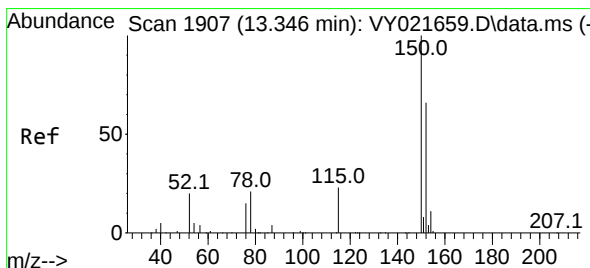
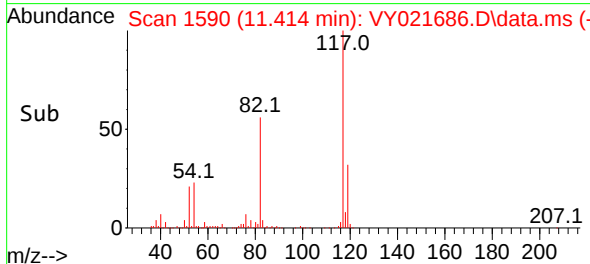
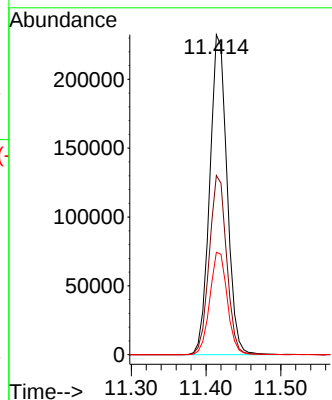
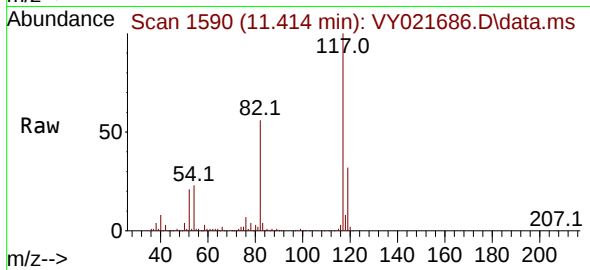
Tgt Ion:117 Resp: 374263

Ion Ratio Lower Upper

117 100

82 56.0 42.8 64.2

119 32.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021686.D

Acq: 28 Mar 2025 12:54

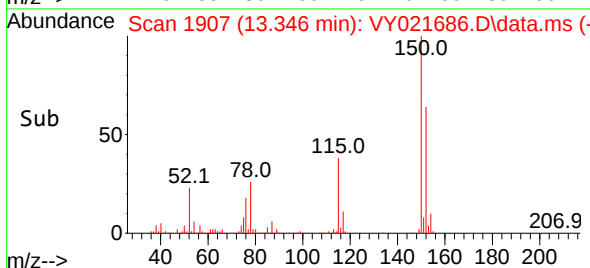
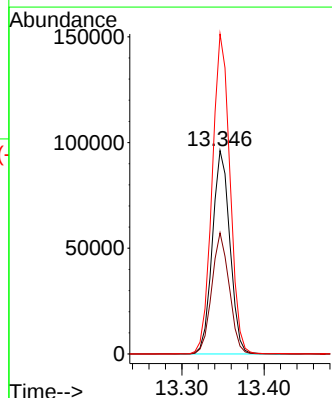
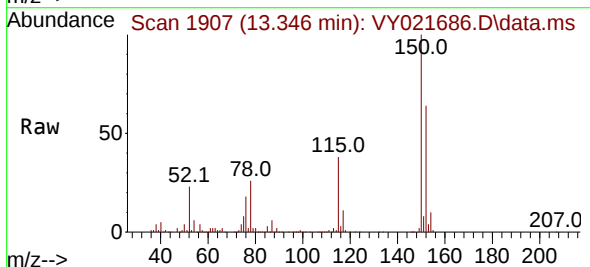
Tgt Ion:152 Resp: 142563

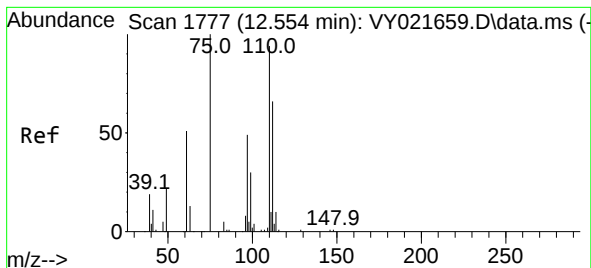
Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 159.4 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 57.481 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021686.D

Acq: 28 Mar 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

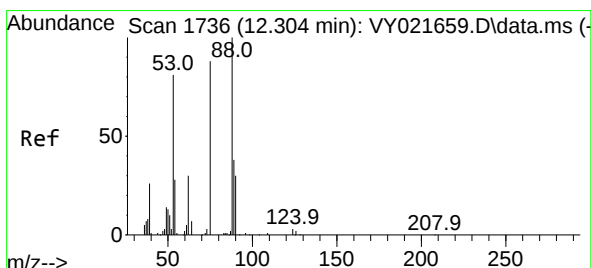
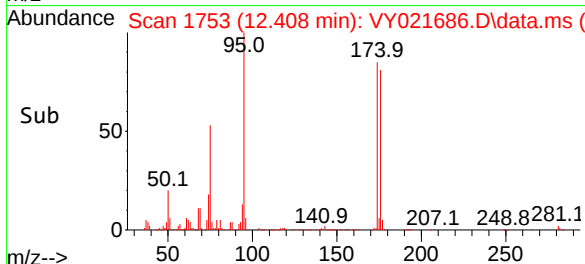
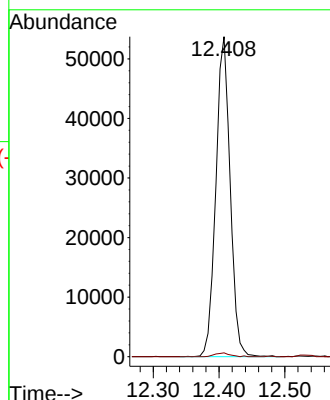
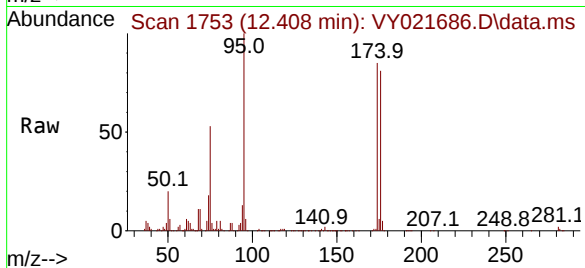
TP-7-VOC

Tgt Ion: 75 Resp: 81230

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.446 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021686.D

Acq: 28 Mar 2025 12:54

Tgt Ion: 75 Resp: 81230

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.2 36.2 54.4#

