

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021678.D
 Acq On : 27 Mar 2025 19:42
 Operator : SY/MD
 Sample : Q1648-01
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 28 04:05:38 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)

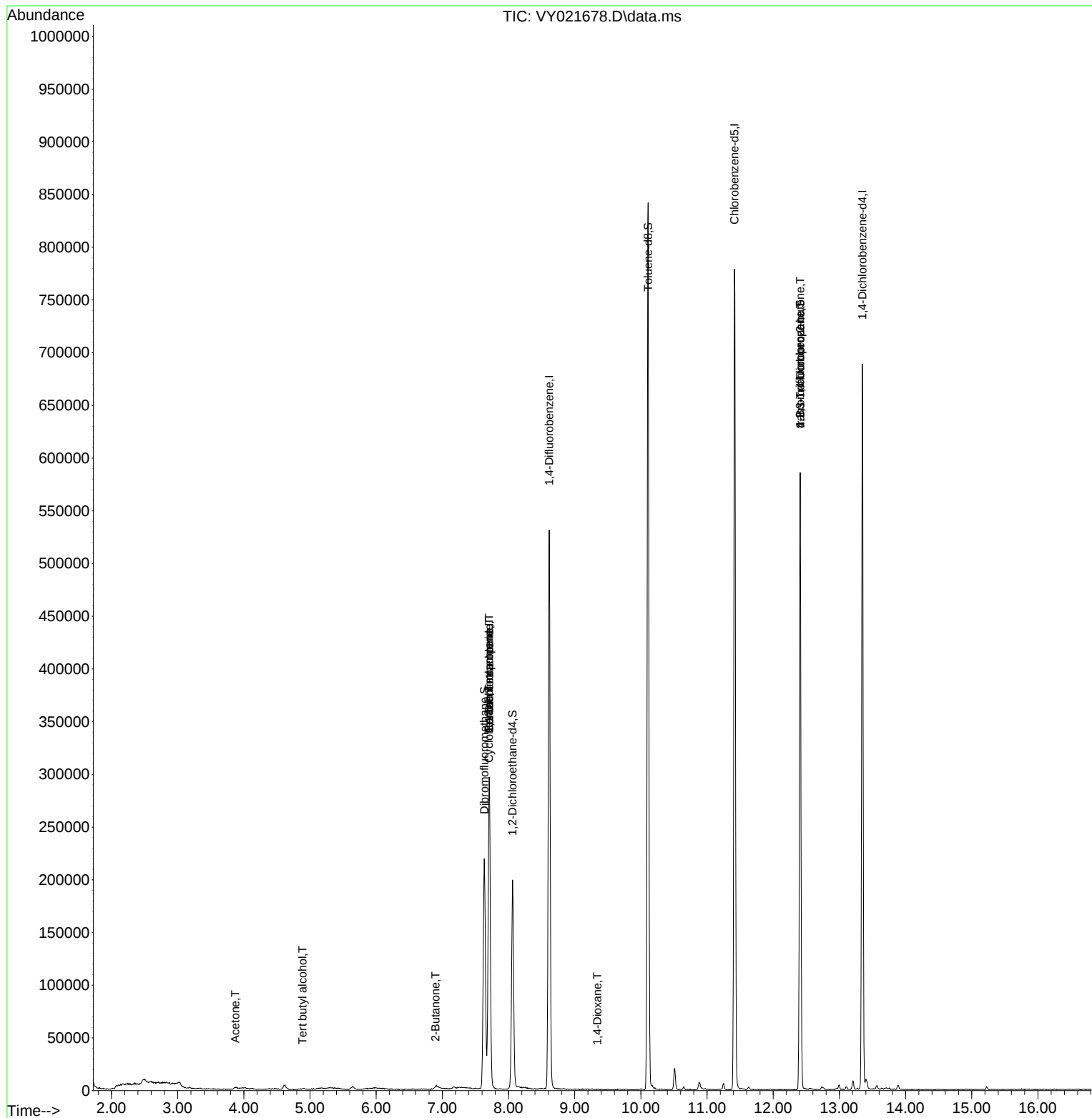
Internal Standards						
1) Pentafluorobenzene	7.707	168	222356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	403631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147551	61.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.500%	
35) Dibromofluoromethane	7.634	113	150920	53.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.860%	
50) Toluene-d8	10.109	98	533323	49.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.408	95	169789	46.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.420%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.885	59	192	1.227	ug/l	96
16) Acetone	3.873	43	2653	5.381	ug/l	97
20) Methylene Chloride	4.616	84	2858	Below Cal		89
25) 2-Butanone	6.896	43	785	1.115	ug/l	92
31) Cyclohexane	7.701	56	5341	1.256	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	18752	4.359	ug/l #	50
38) Carbon Tetrachloride	7.707	117	23442	4.757	ug/l #	18
49) 1,4-Dioxane	9.341	88	23	1.222	ug/l #	21
76) 1,2,3-Trichloropropane	12.408	75	91074	55.476	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	91074	127.826	ug/l #	12

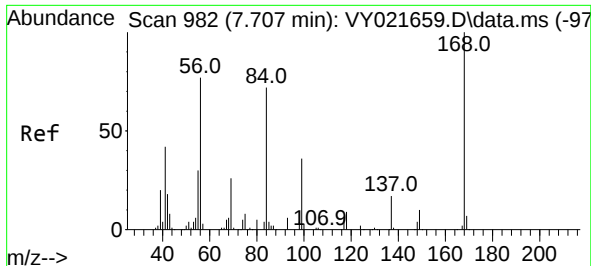
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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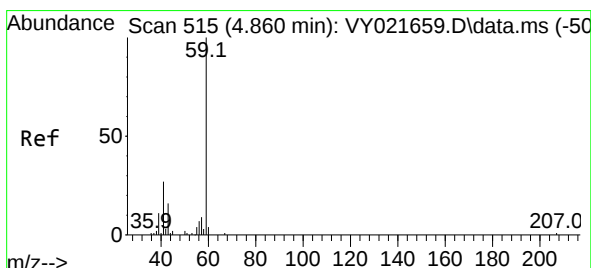
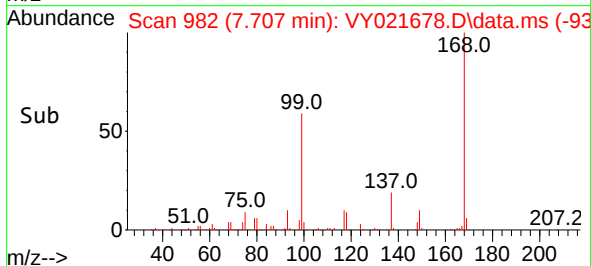
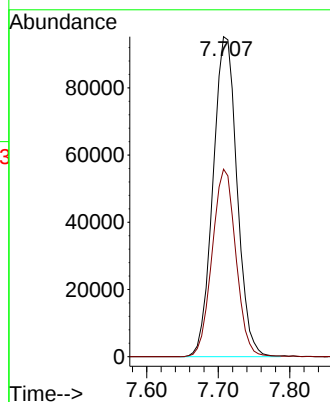
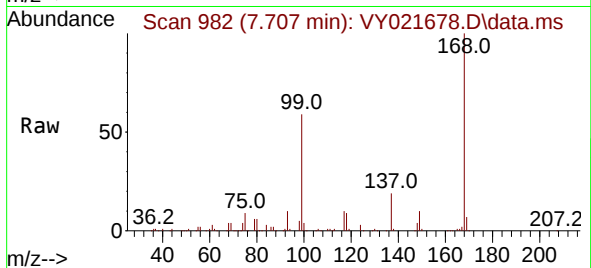




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

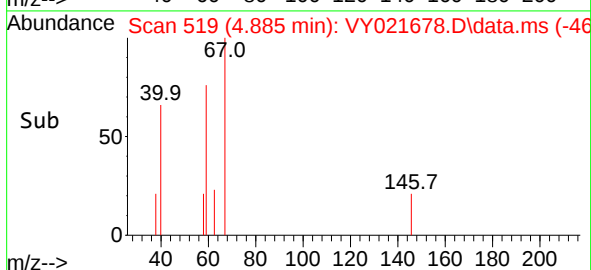
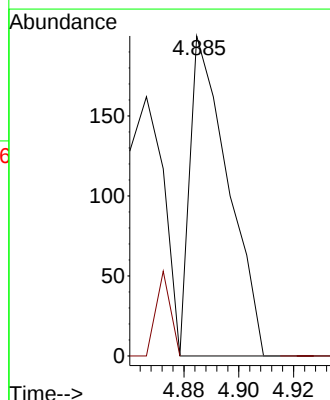
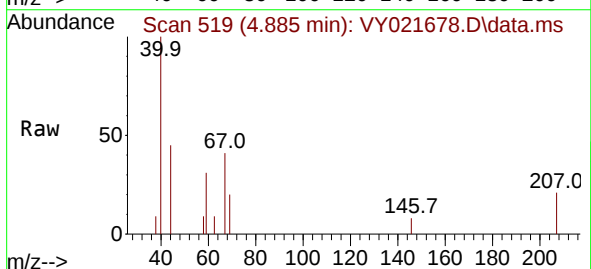
Instrument :
MSVOA_Y
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TP-4

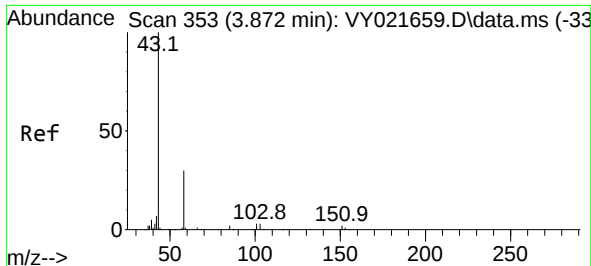
Tgt Ion:168 Resp: 222356
Ion Ratio Lower Upper
168 100
99 58.6 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.227 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.025 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 9.9 9.2 13.8

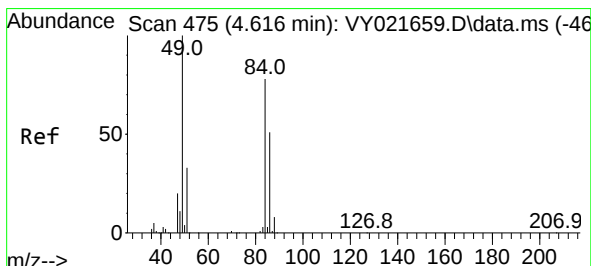
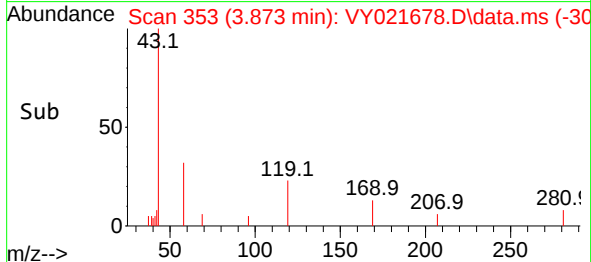
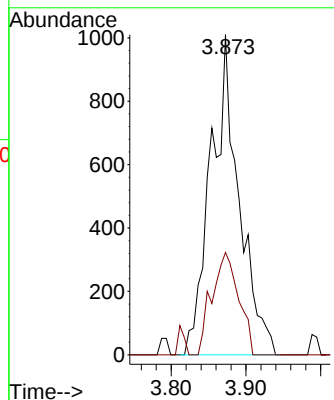
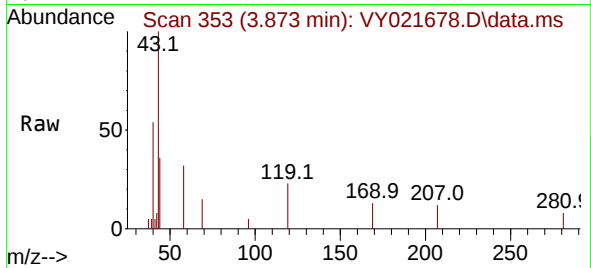




#16
Acetone
Concen: 5.381 ug/l
RT: 3.873 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

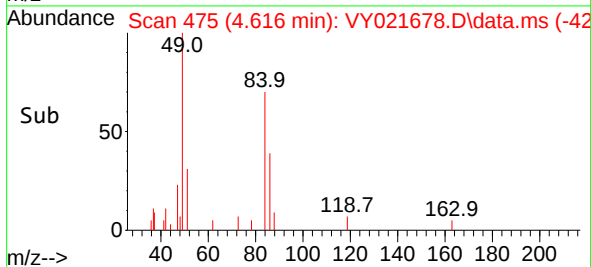
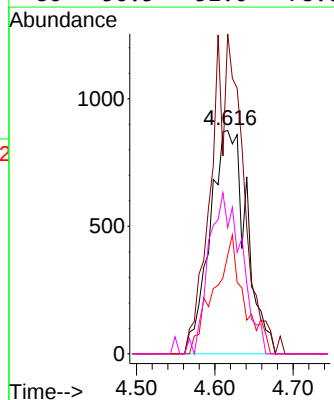
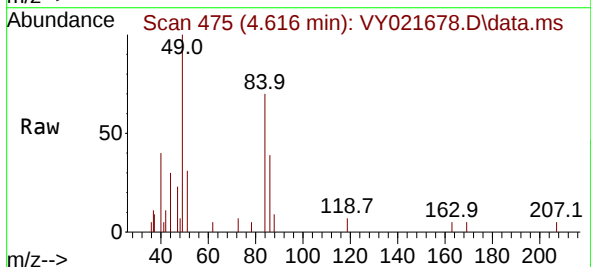
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

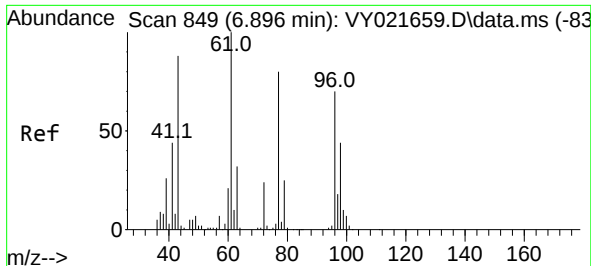
Tgt Ion: 43 Resp: 2653
Ion Ratio Lower Upper
43 100
58 32.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 84 Resp: 2858
Ion Ratio Lower Upper
84 100
49 143.2 102.8 154.2
51 44.2 33.5 50.3
86 56.5 52.0 78.0

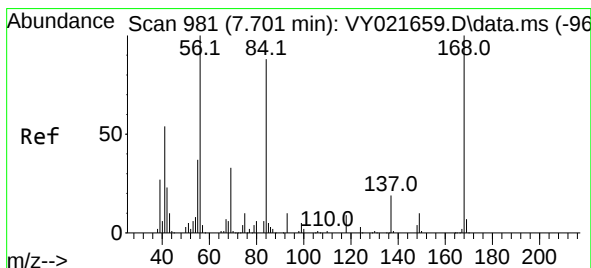
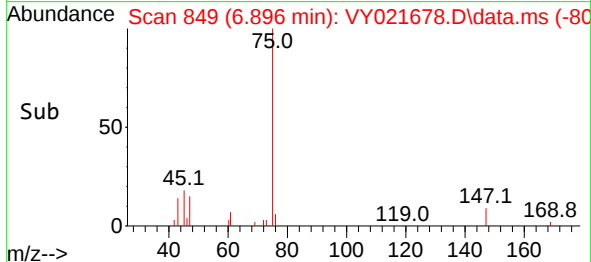
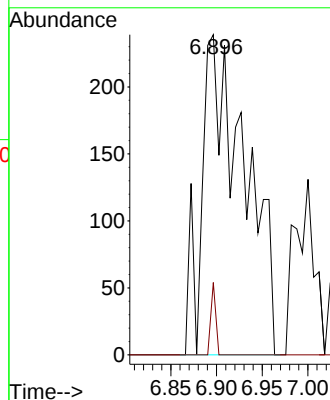
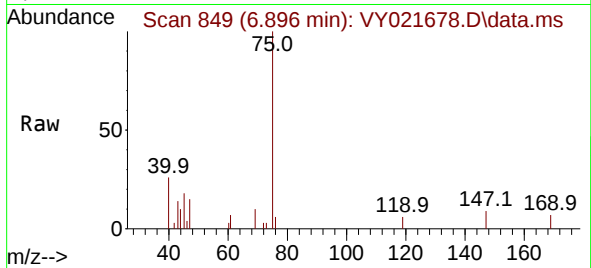




#25
2-Butanone
Concen: 1.115 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

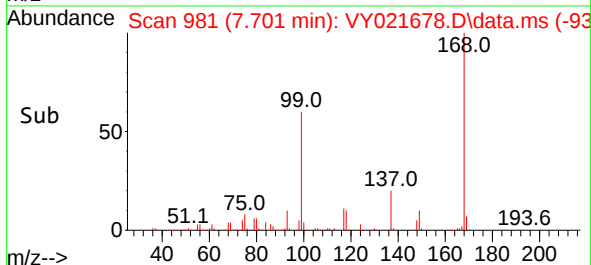
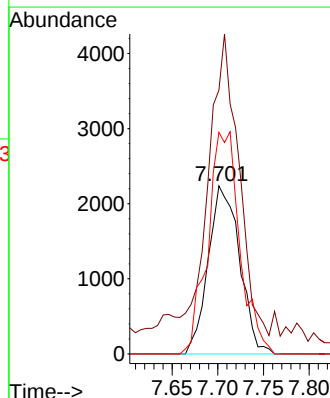
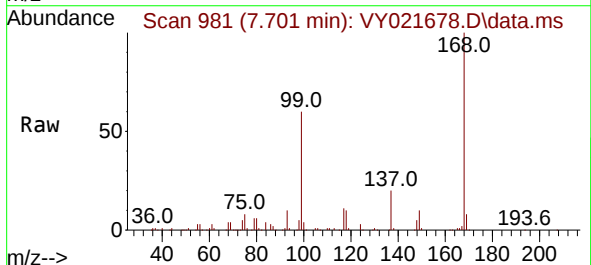
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

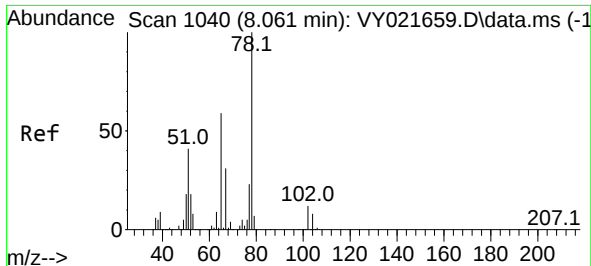
Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
72 22.6 21.4 32.2



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 56 Resp: 5341
Ion Ratio Lower Upper
56 100
69 146.5 26.6 40.0#
84 132.0 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 61.246 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021678.D

Acq: 27 Mar 2025 19:42

Instrument :

MSVOA_Y

ClientSampleId :

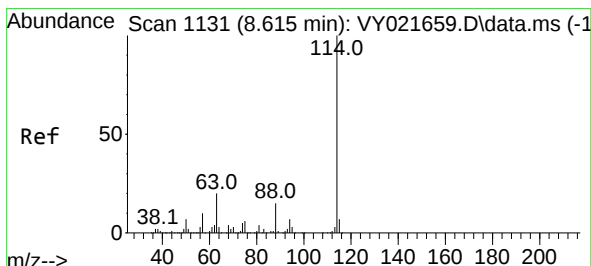
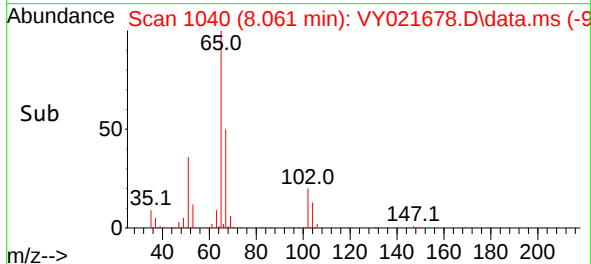
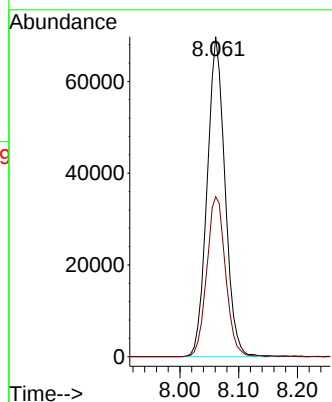
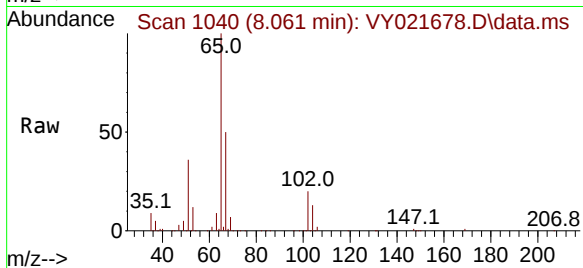
TP-4

Tgt Ion: 65 Resp: 147551

Ion Ratio Lower Upper

65 100

67 52.4 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: VY021678.D

Acq: 27 Mar 2025 19:42

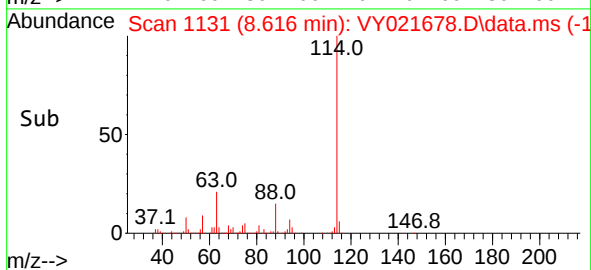
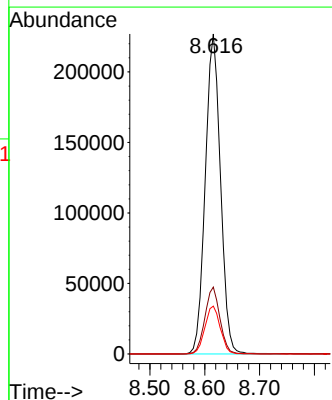
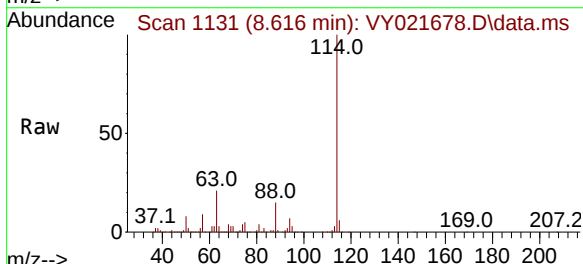
Tgt Ion: 114 Resp: 435436

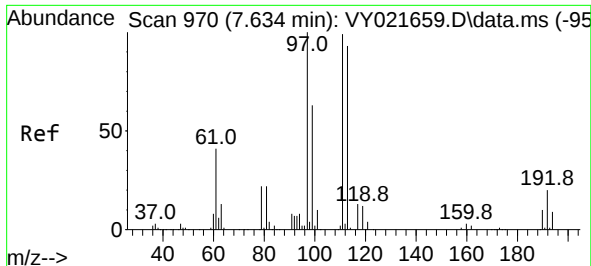
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 15.0 0.0 29.8

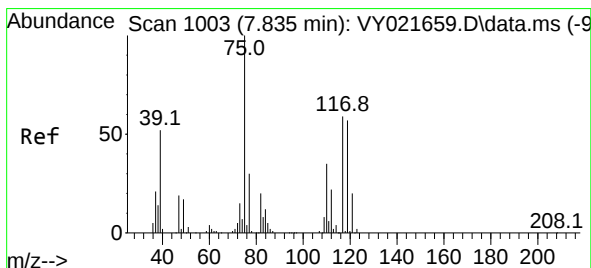
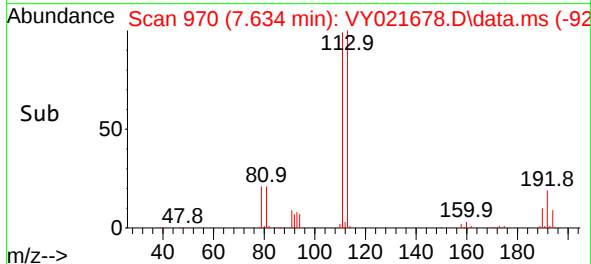
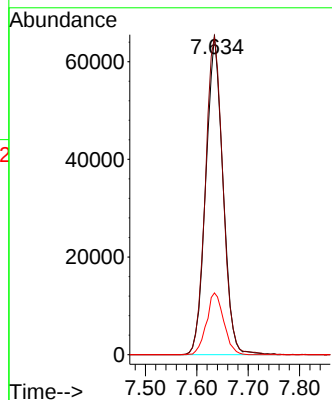
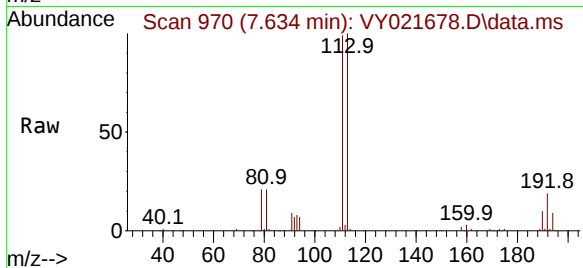




#35
Dibromofluoromethane
Concen: 53.431 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

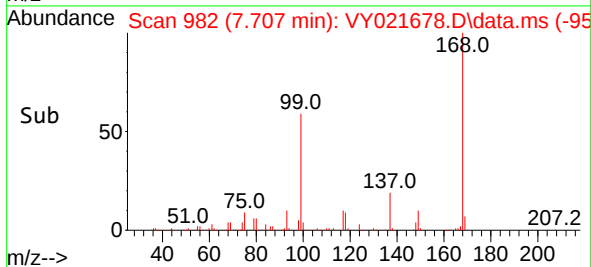
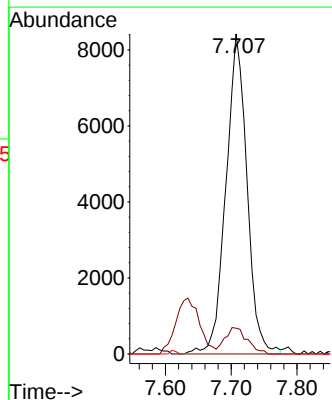
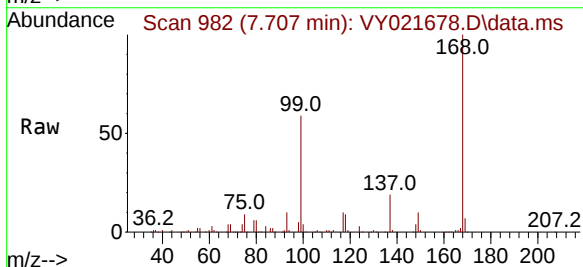
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

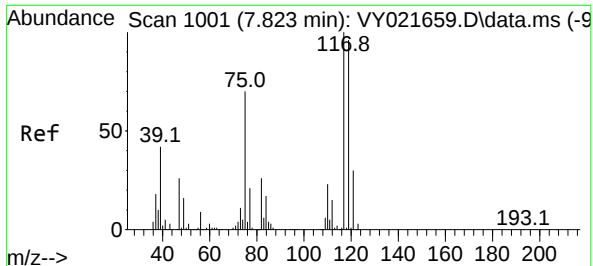
Tgt Ion:113 Resp: 150920
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.359 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 75 Resp: 18752
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.8 37.2#

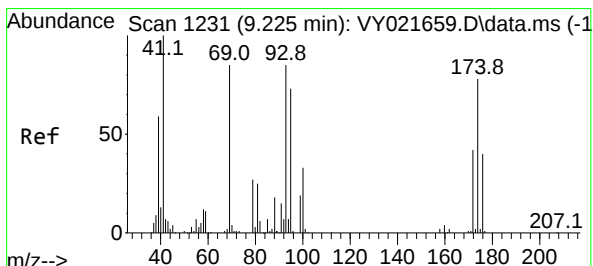
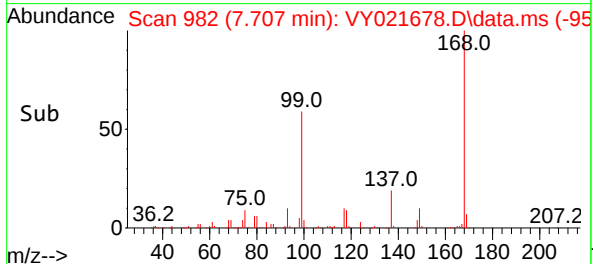
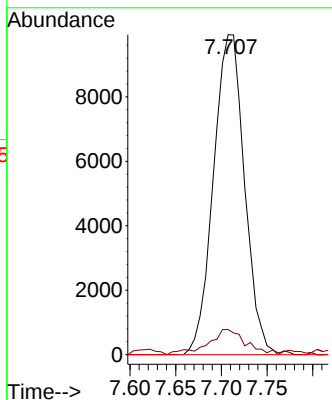
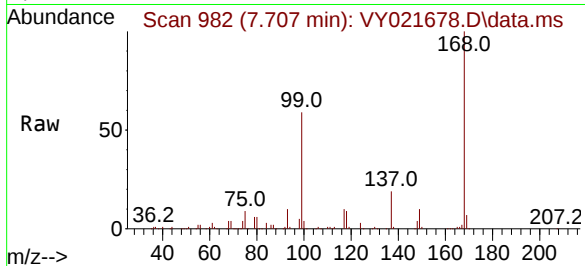




#38
Carbon Tetrachloride
Concen: 4.757 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

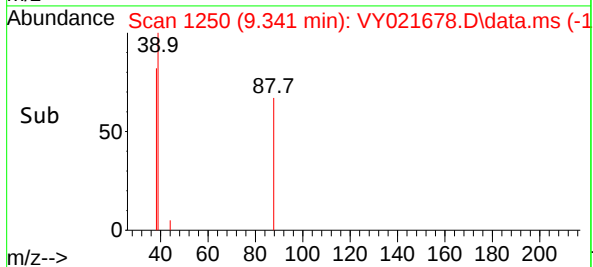
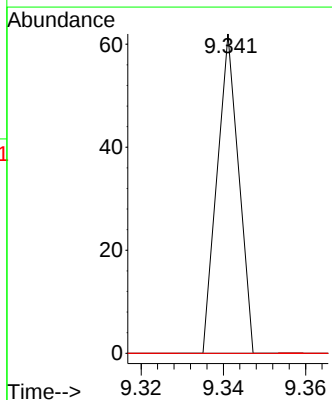
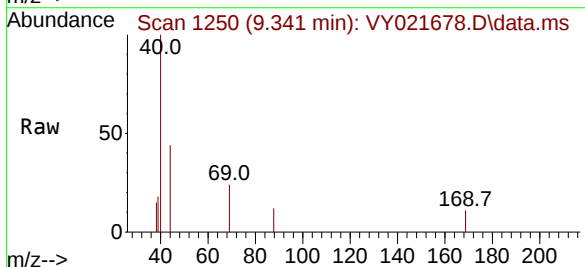
Instrument :
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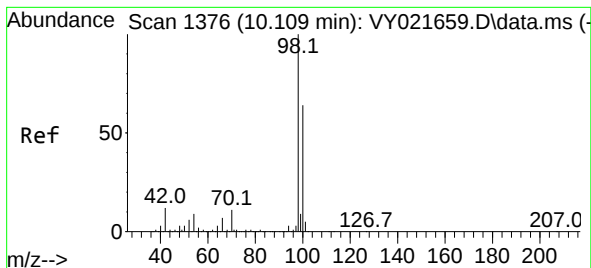
Tgt Ion:117 Resp: 23442
Ion Ratio Lower Upper
117 100
119 7.2 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.222 ug/l
RT: 9.341 min Scan# 1250
Delta R.T. 0.116 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#

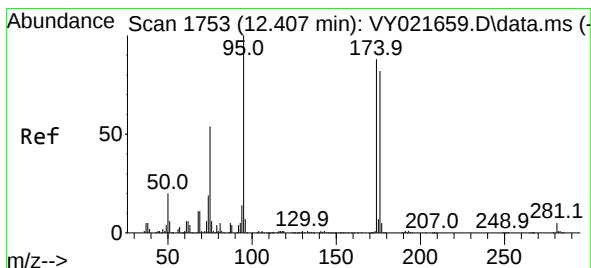
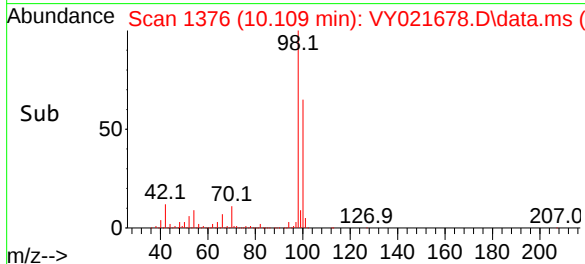
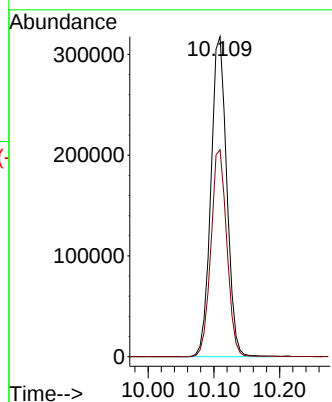
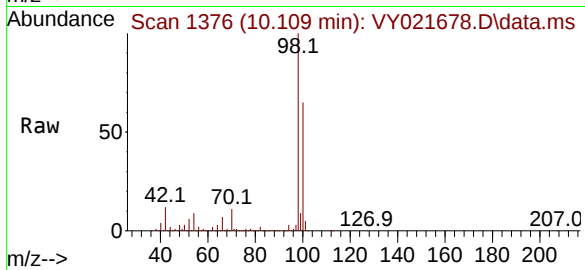




#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

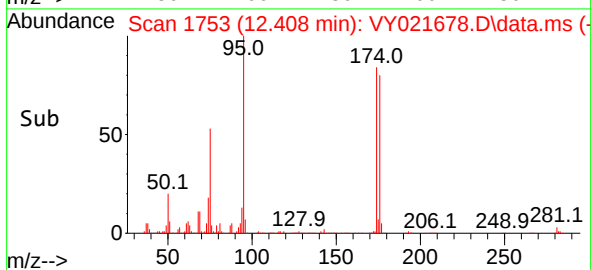
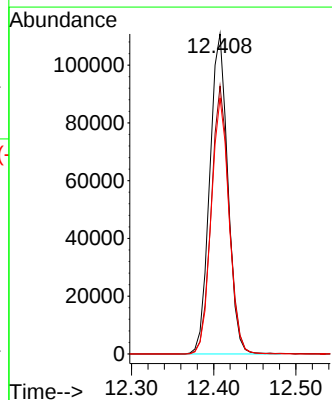
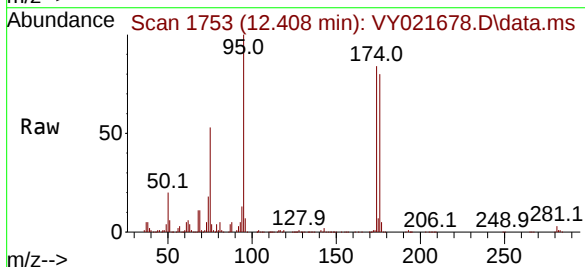
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

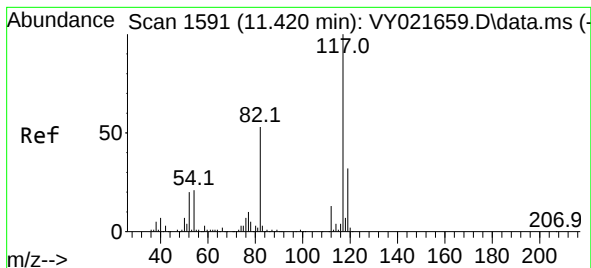
Tgt Ion: 98 Resp: 533323
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021678.D
Acq: 27 Mar 2025 19:42

Tgt Ion: 95 Resp: 169789
Ion Ratio Lower Upper
95 100
174 82.3 0.0 170.8
176 79.0 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: VY021678.D

Acq: 27 Mar 2025 19:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

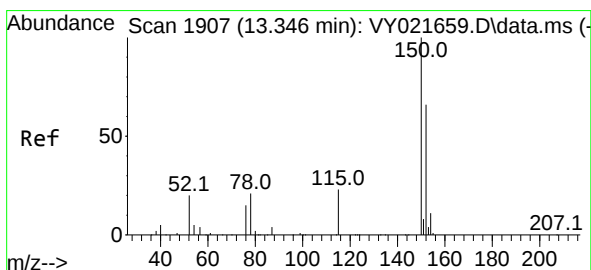
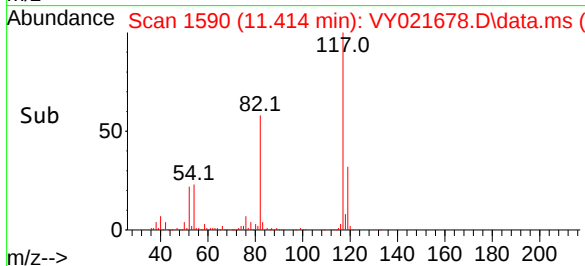
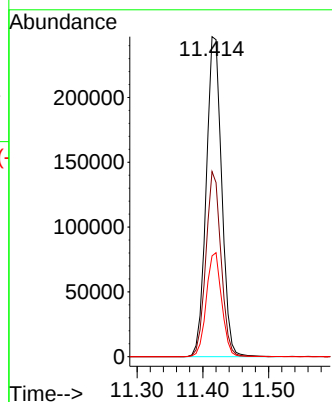
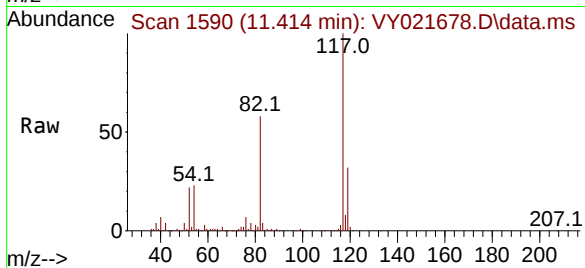
Tgt Ion:117 Resp: 403631

Ion Ratio Lower Upper

117 100

82 57.8 42.8 64.2

119 31.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021678.D

Acq: 27 Mar 2025 19:42

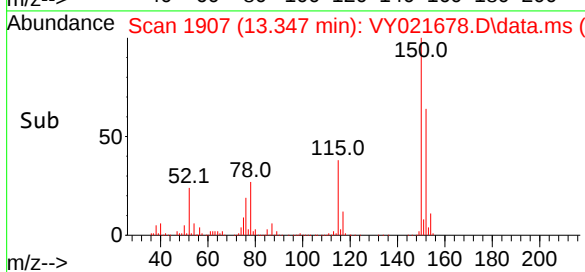
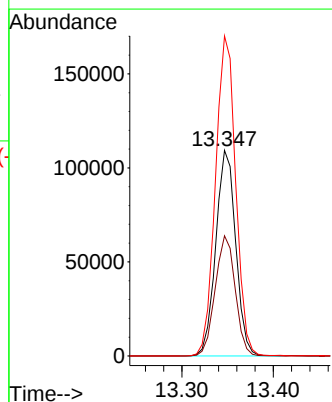
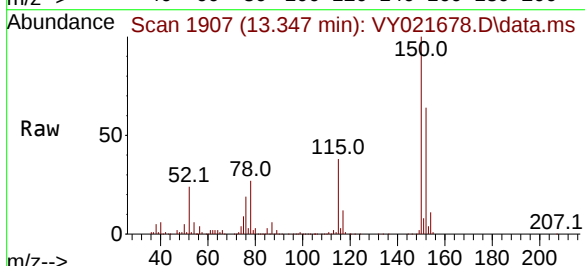
Tgt Ion:152 Resp: 165617

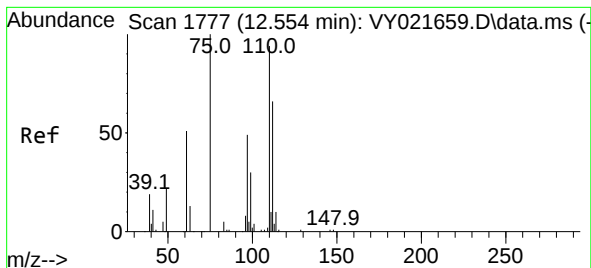
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 157.9 0.0 348.4

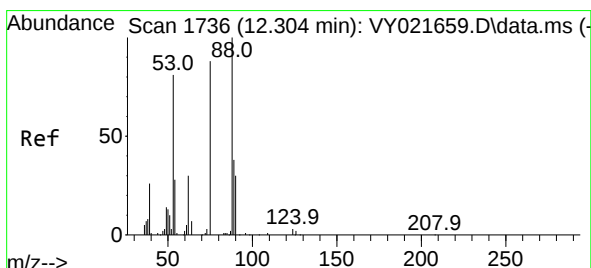
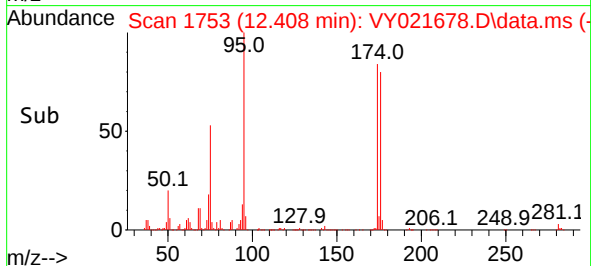
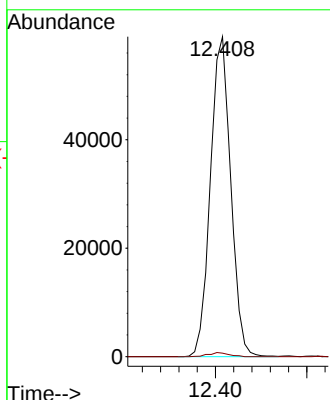
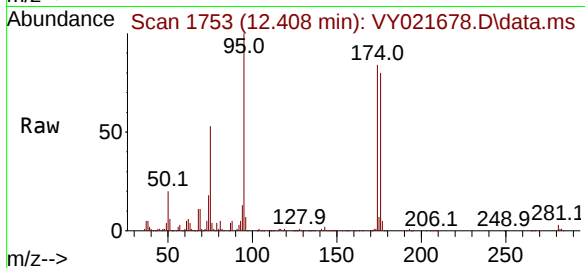




#76
 1,2,3-Trichloropropane
 Concen: 55.476 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021678.D
 Acq: 27 Mar 2025 19:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Tgt Ion: 75 Resp: 91074
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.826 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021678.D
 Acq: 27 Mar 2025 19:42

Tgt Ion: 75 Resp: 91074
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.2 54.4#

