

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021679.D
 Acq On : 27 Mar 2025 20:05
 Operator : SY/MD
 Sample : Q1648-03
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Mar 28 04:06:03 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)

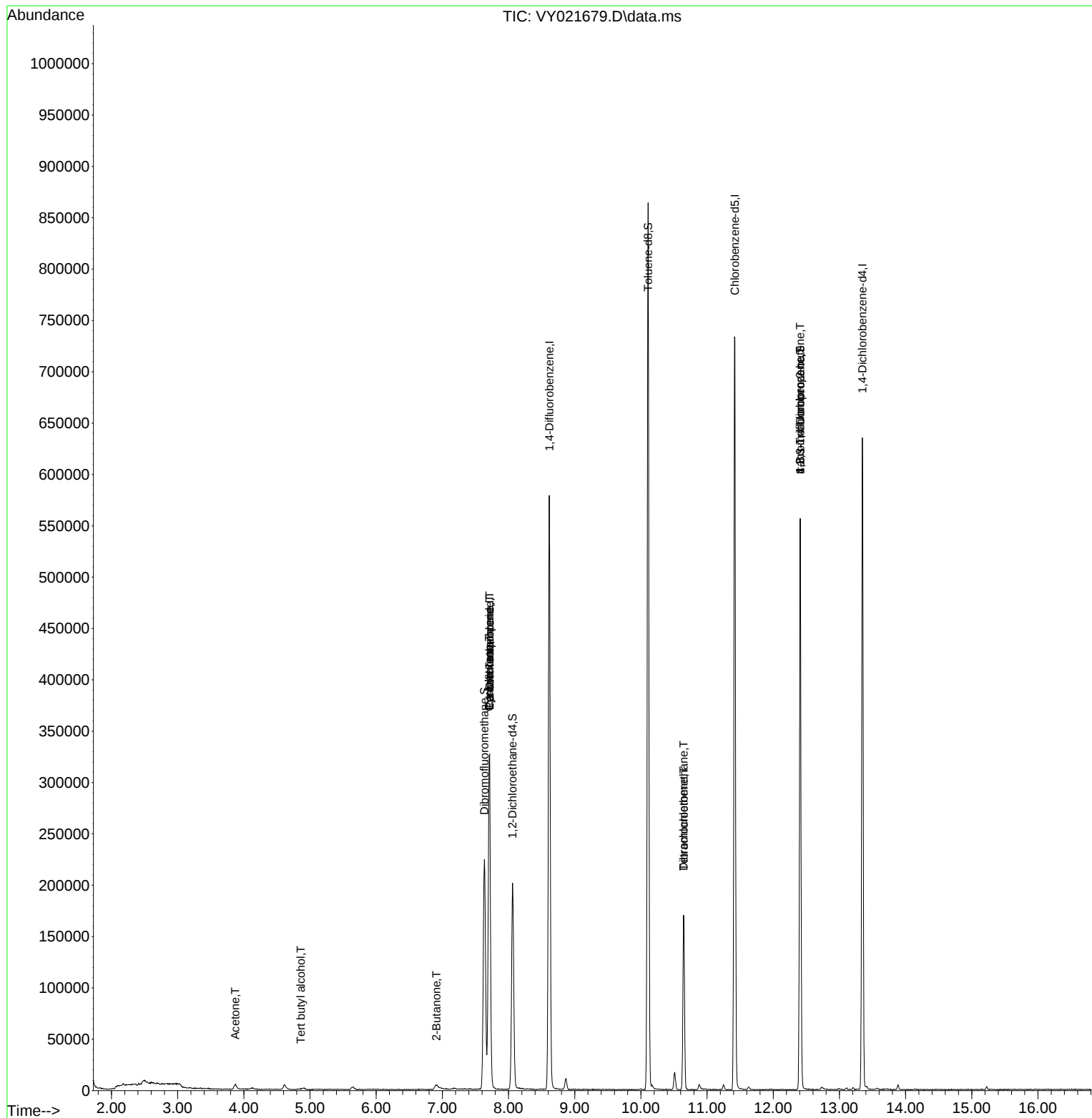
Internal Standards						
1) Pentafluorobenzene	7.713	168	246693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	464209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	387179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159415	59.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.280%	
35) Dibromofluoromethane	7.634	113	159007	52.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.600%	
50) Toluene-d8	10.109	98	534885	46.692	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.380%	
62) 4-Bromofluorobenzene	12.408	95	160426	41.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	516	2.972	ug/l #	84
16) Acetone	3.873	43	7891	14.425	ug/l	98
20) Methylene Chloride	4.610	84	3088	Below Cal		90
25) 2-Butanone	6.909	43	2603	3.332	ug/l #	80
31) Cyclohexane	7.707	56	5312	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	21339	4.652	ug/l #	51
38) Carbon Tetrachloride	7.713	117	25902	4.931	ug/l #	17
60) Dibromochloromethane	10.646	129	32670	9.923	ug/l #	11
64) Tetrachloroethene	10.646	164	34522	9.790	ug/l	98
76) 1,2,3-Trichloropropane	12.408	75	86151	56.248	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	86151	129.605	ug/l #	11

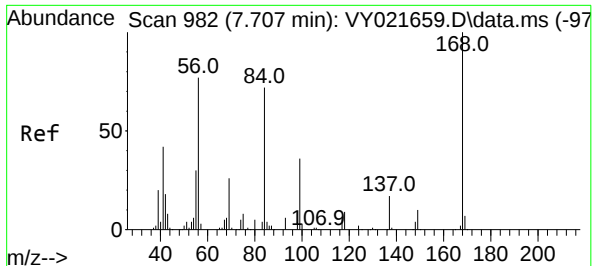
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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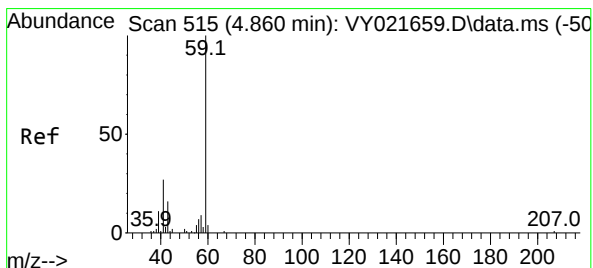
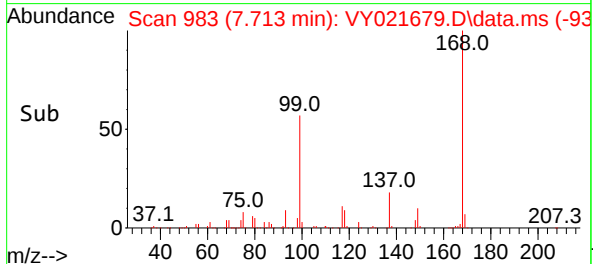
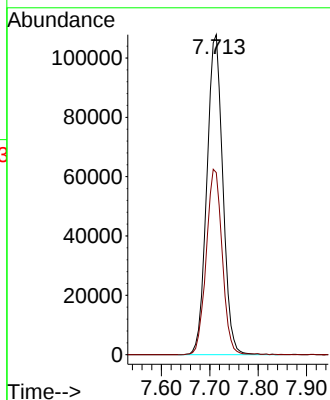
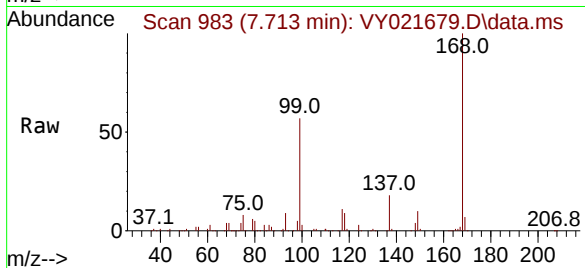




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

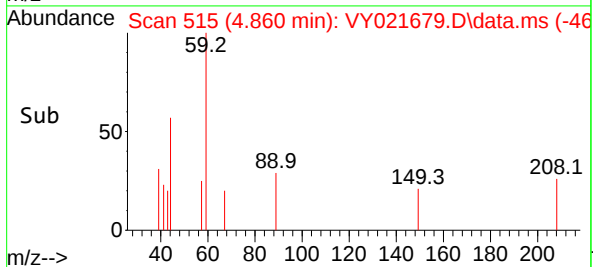
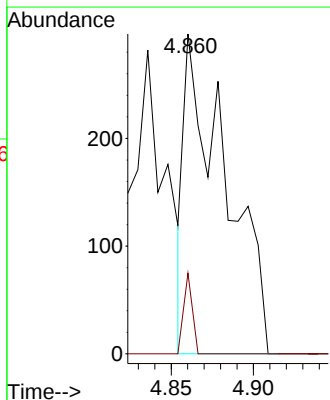
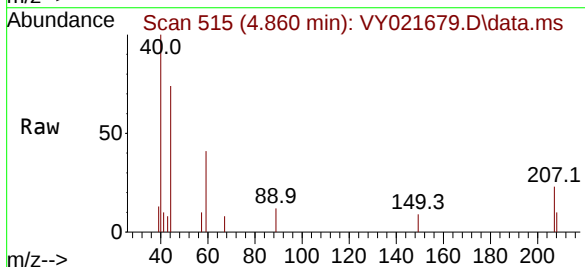
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

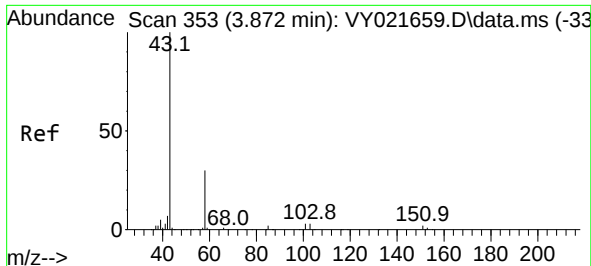
Tgt Ion:168 Resp: 246693
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.972 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 5.2 9.2 13.8#





#16

Acetone

Concen: 14.425 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA_Y

ClientSampleId :

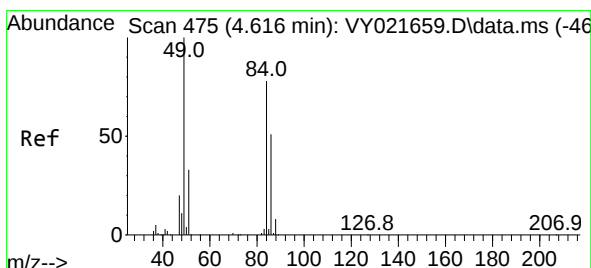
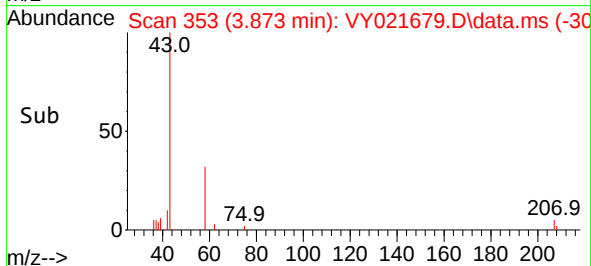
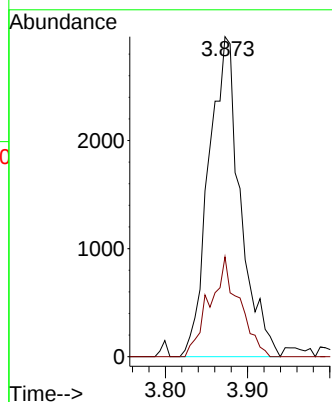
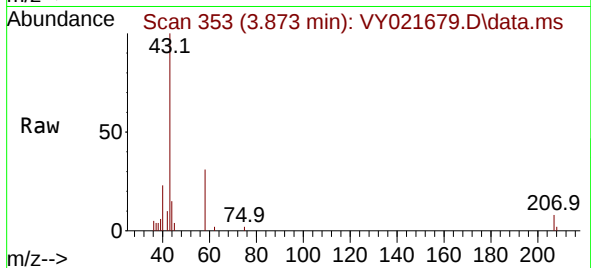
TP-5

Tgt Ion: 43 Resp: 7891

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Tgt Ion: 84 Resp: 3088

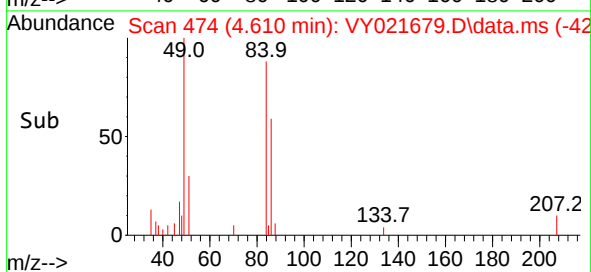
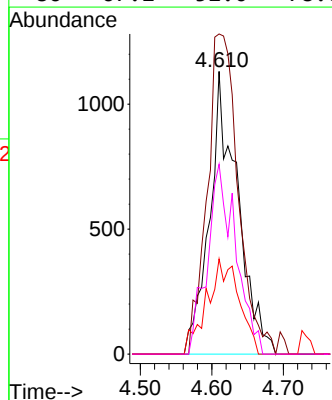
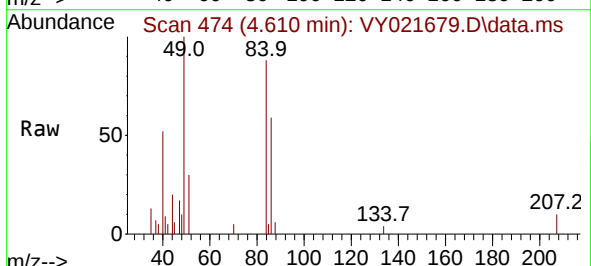
Ion Ratio Lower Upper

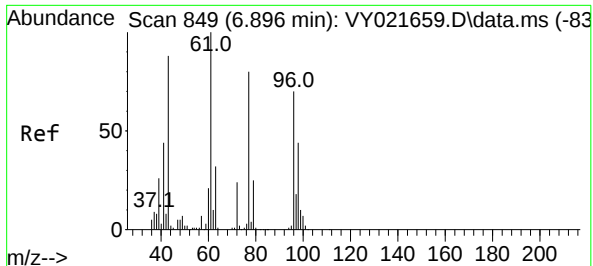
84 100

49 113.3 102.8 154.2

51 33.7 33.5 50.3

86 67.2 52.0 78.0





#25

2-Butanone

Concen: 3.332 ug/l

RT: 6.909 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA_Y

ClientSampleId :

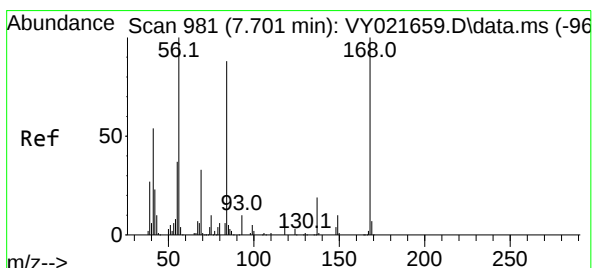
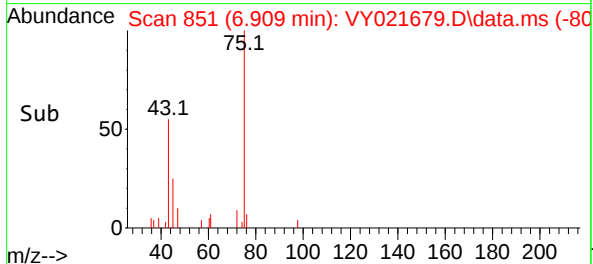
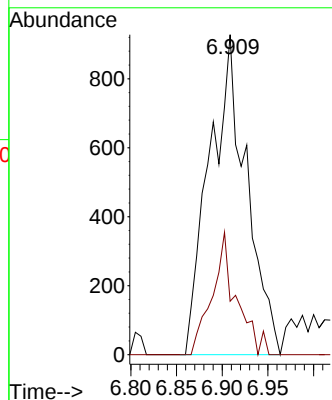
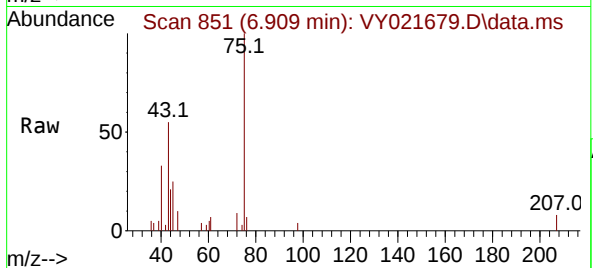
TP-5

Tgt Ion: 43 Resp: 2603

Ion Ratio Lower Upper

43 100

72 16.7 21.4 32.2#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

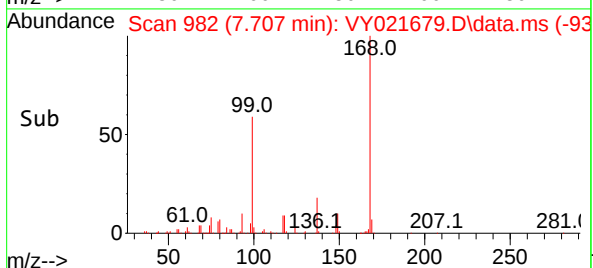
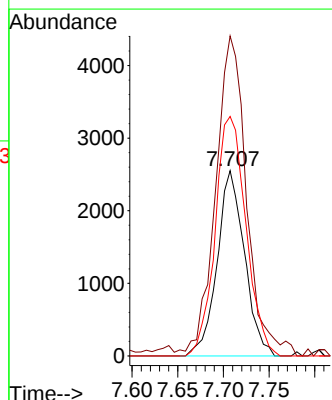
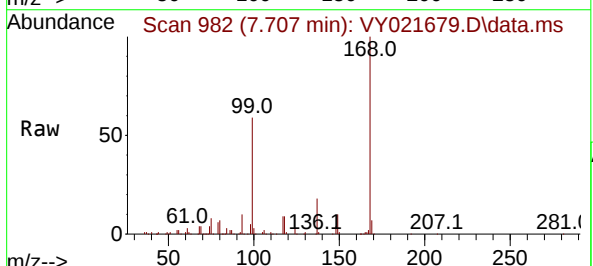
Tgt Ion: 56 Resp: 5312

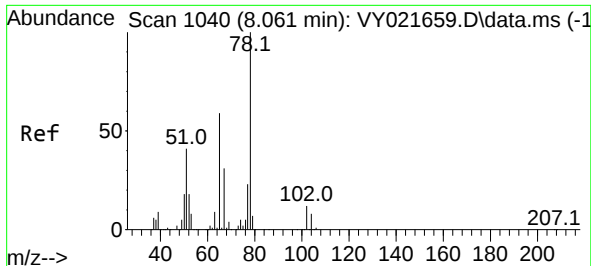
Ion Ratio Lower Upper

56 100

69 169.4 26.6 40.0#

84 129.3 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 59.642 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA_Y

ClientSampleId :

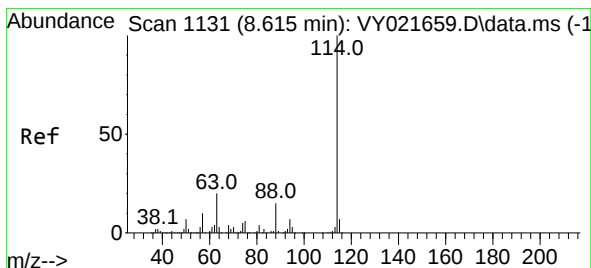
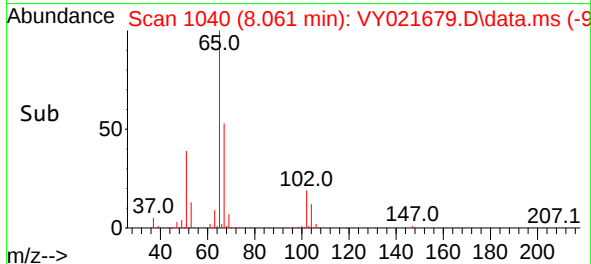
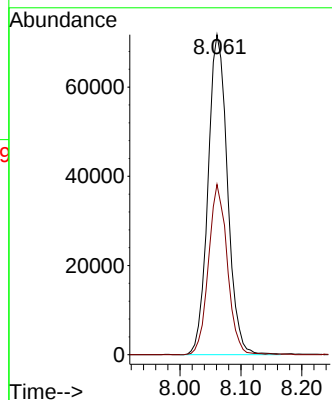
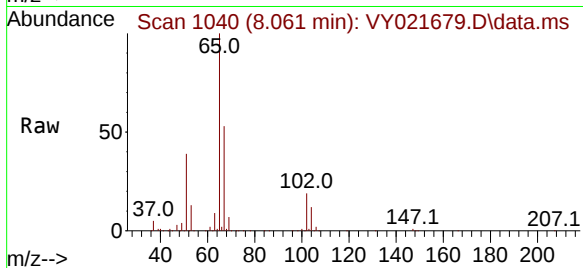
TP-5

Tgt Ion: 65 Resp: 159415

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: VY021679.D

Acq: 27 Mar 2025 20:05

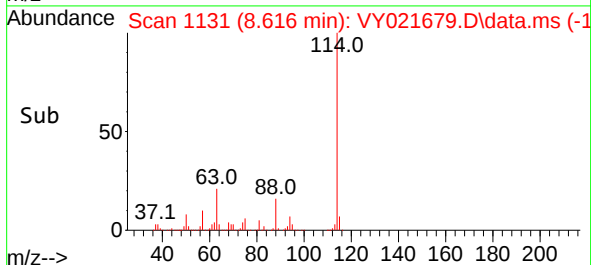
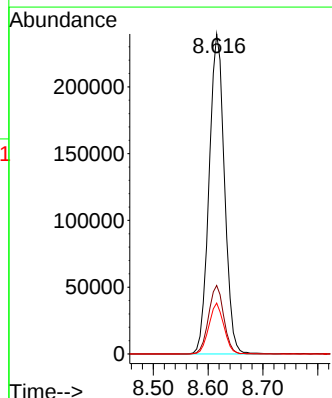
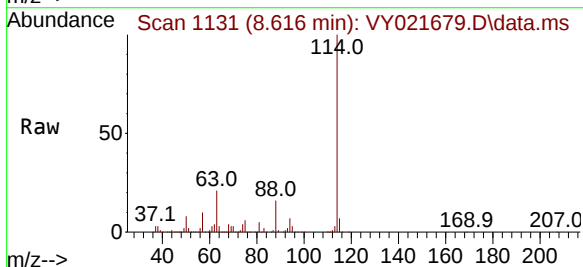
Tgt Ion: 114 Resp: 464209

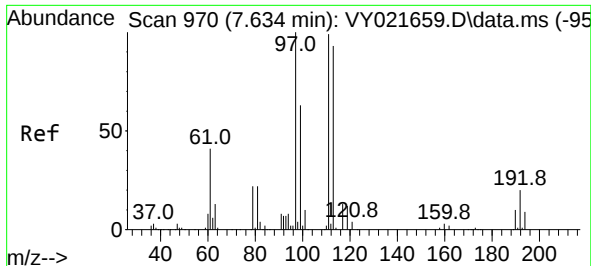
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.2

88 15.9 0.0 29.8

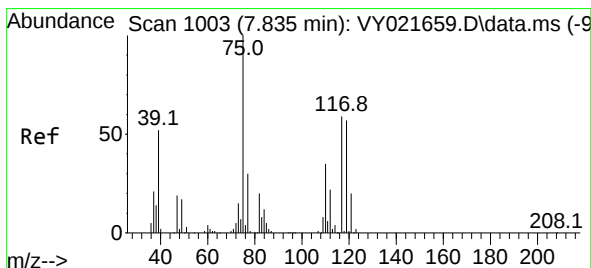
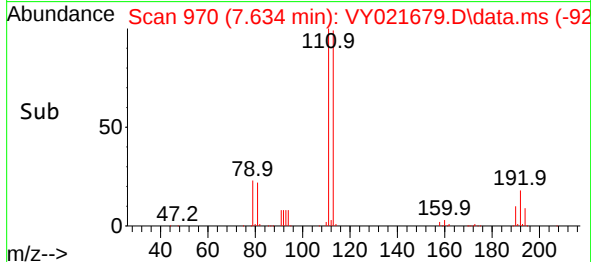
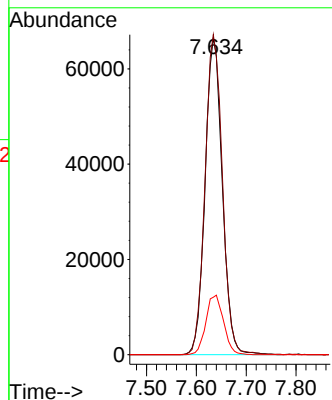
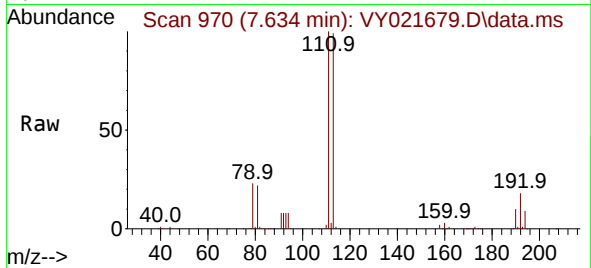




#35
Dibromofluoromethane
Concen: 52.804 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

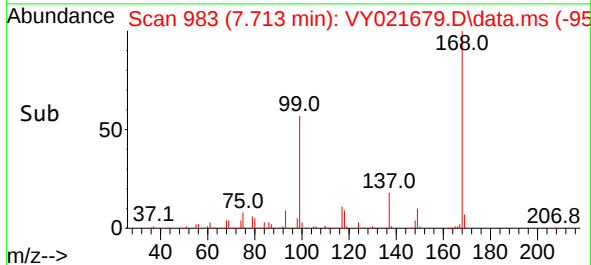
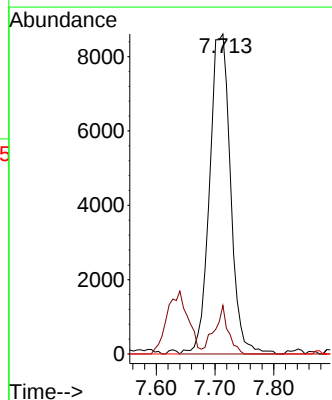
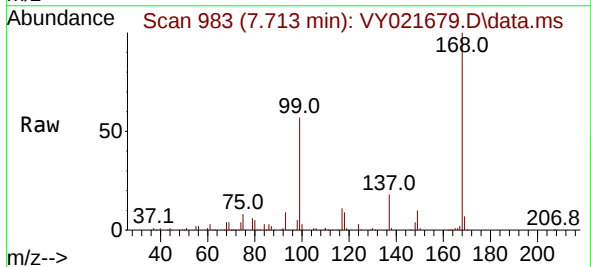
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

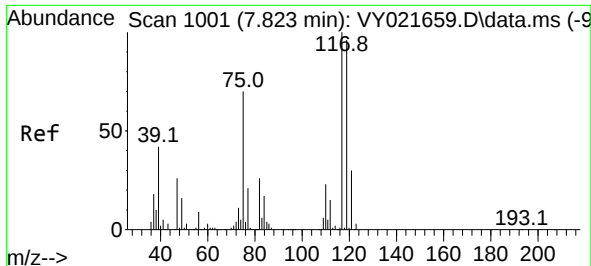
Tgt Ion:113 Resp: 159007
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.652 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

Tgt Ion: 75 Resp: 21339
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.8 37.2#

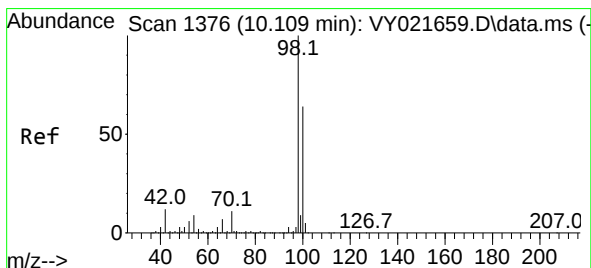
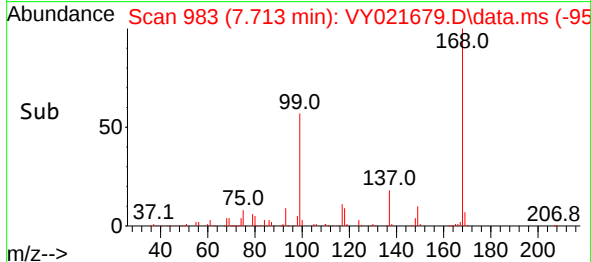
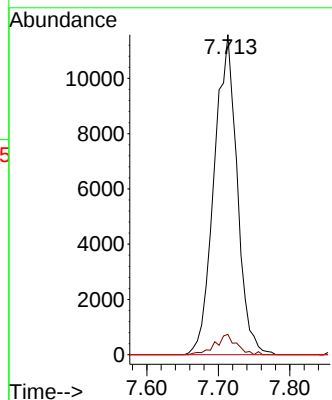
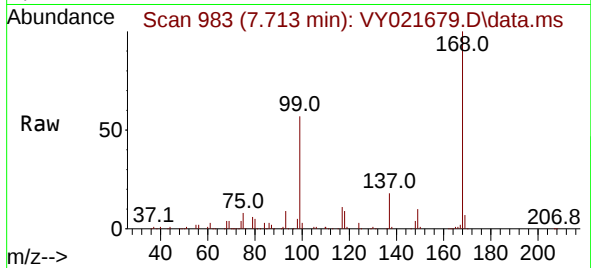




#38
Carbon Tetrachloride
Concen: 4.931 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

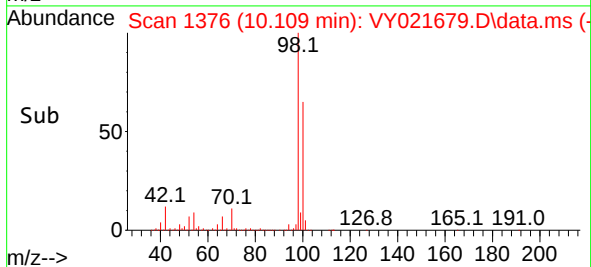
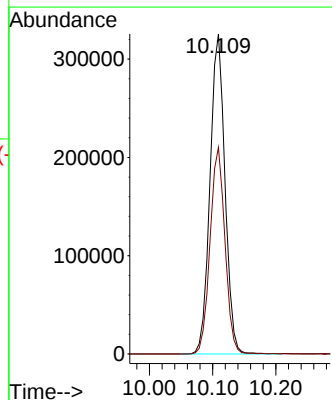
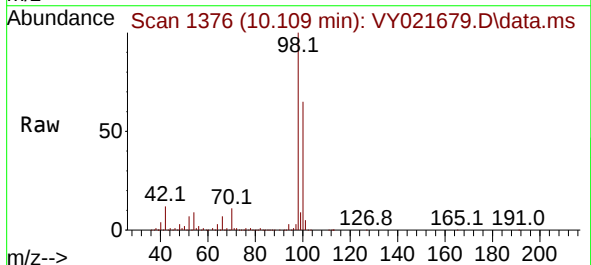
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ClientSampleId :
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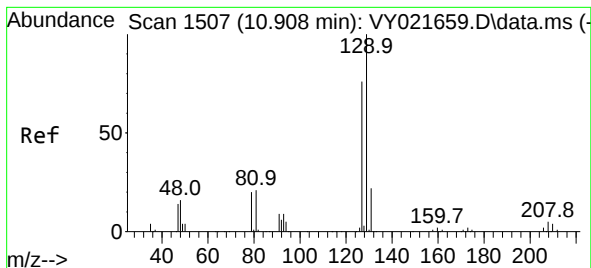
Tgt Ion:117 Resp: 25902
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 46.692 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

Tgt Ion: 98 Resp: 534885
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

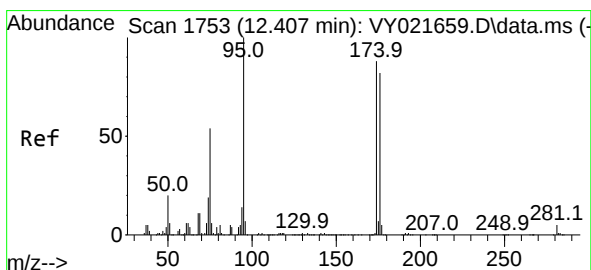
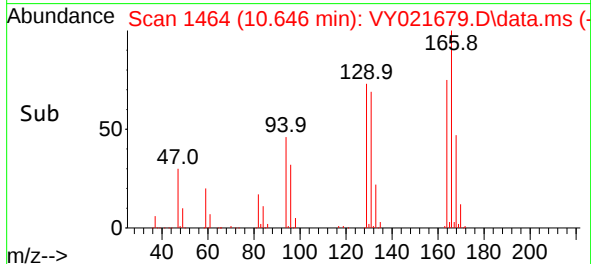
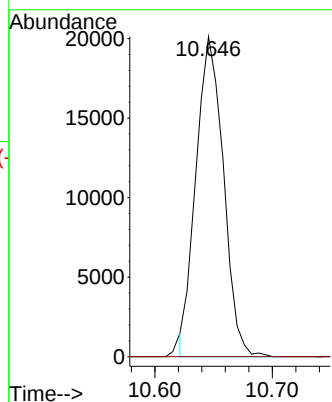
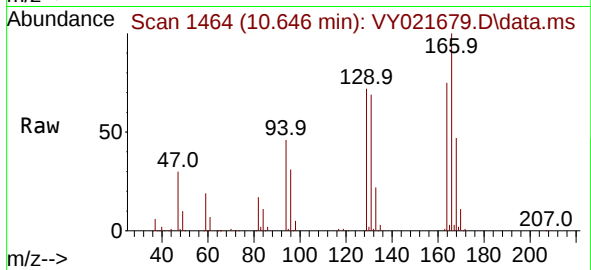




#60
Dibromochloromethane
Concen: 9.923 ug/l
RT: 10.646 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

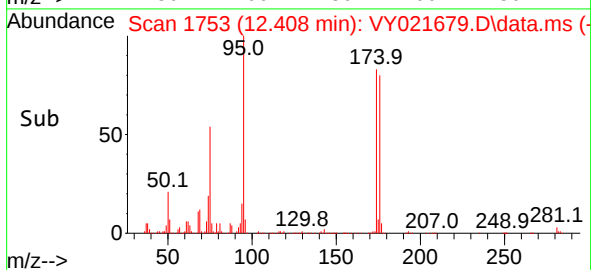
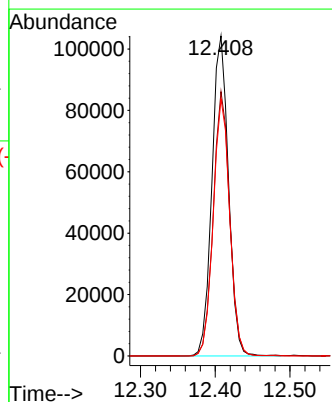
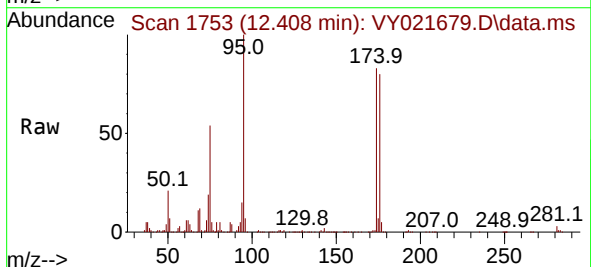
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

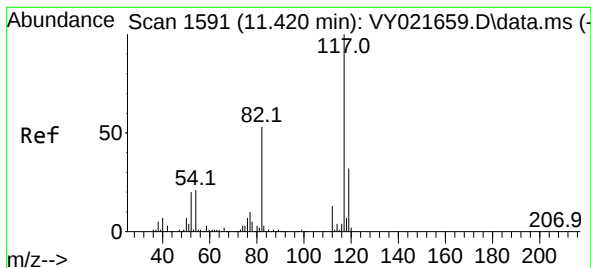
Tgt Ion:129 Resp: 32670
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 41.402 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021679.D
Acq: 27 Mar 2025 20:05

Tgt Ion: 95 Resp: 160426
Ion Ratio Lower Upper
95 100
174 81.7 0.0 170.8
176 79.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

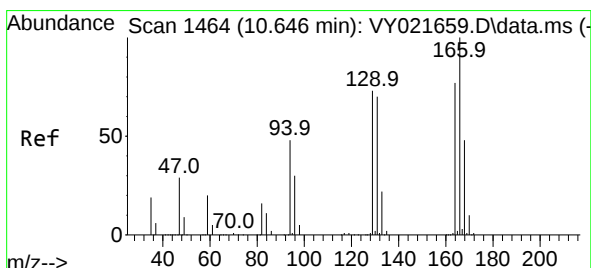
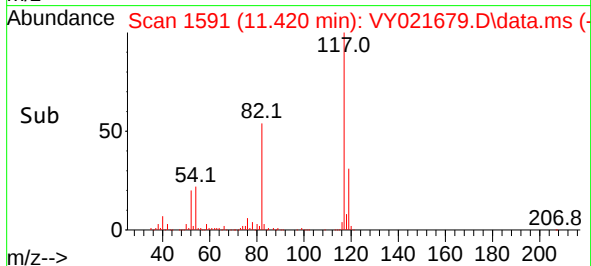
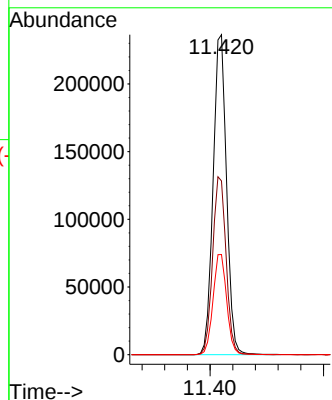
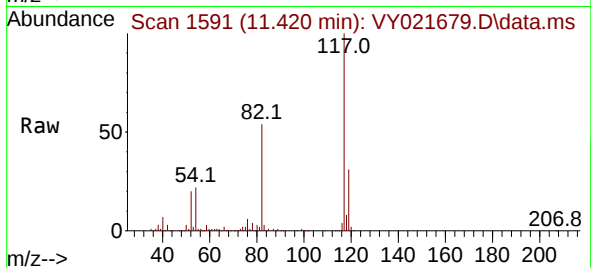
Tgt Ion:117 Resp: 387179

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

119 31.3 25.7 38.5



#64

Tetrachloroethene

Concen: 9.790 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Tgt Ion:164 Resp: 34522

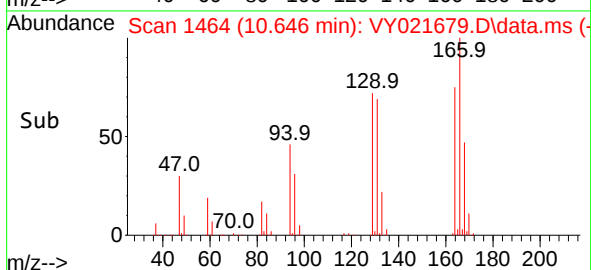
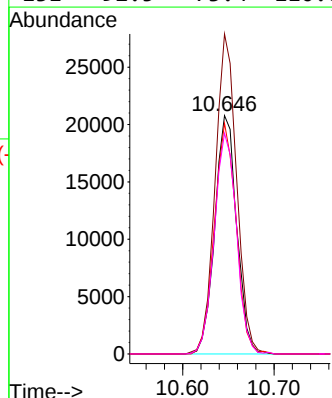
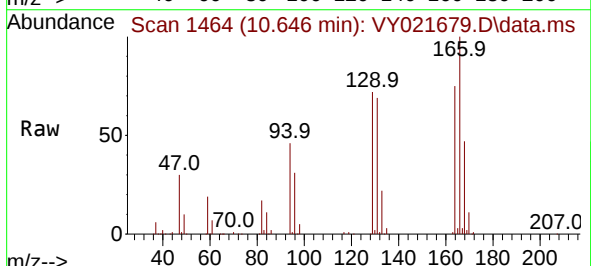
Ion Ratio Lower Upper

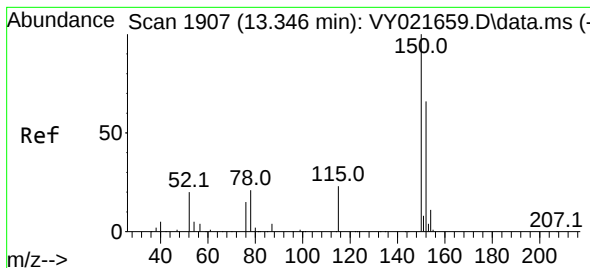
164 100

166 134.2 104.6 156.8

129 96.8 76.6 114.8

131 92.5 73.4 110.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

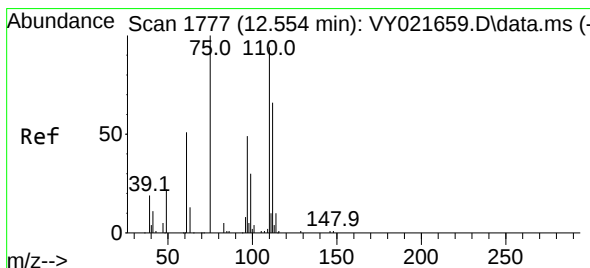
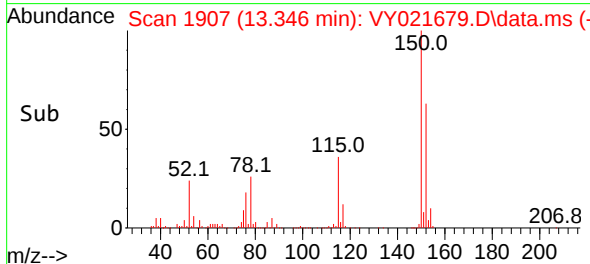
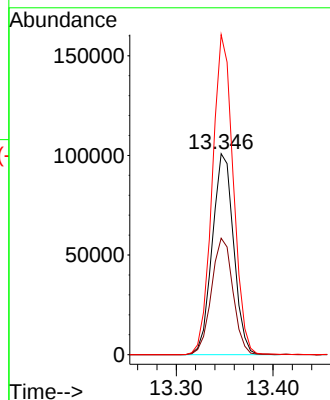
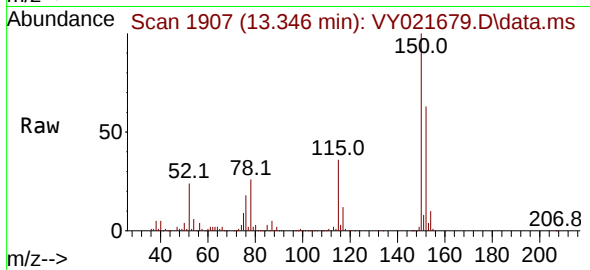
Tgt Ion:152 Resp: 154513

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.4 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.248 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021679.D

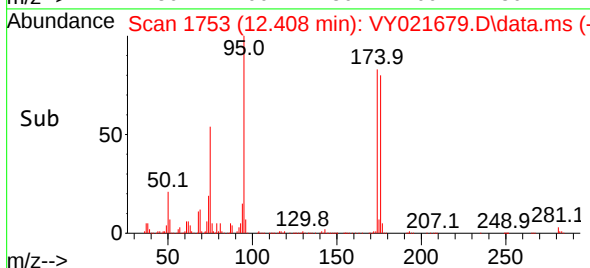
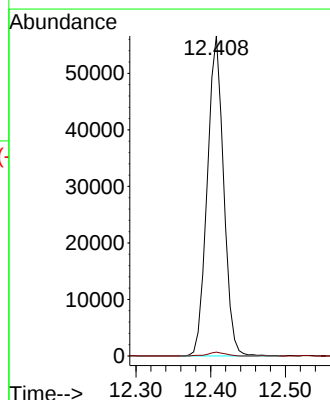
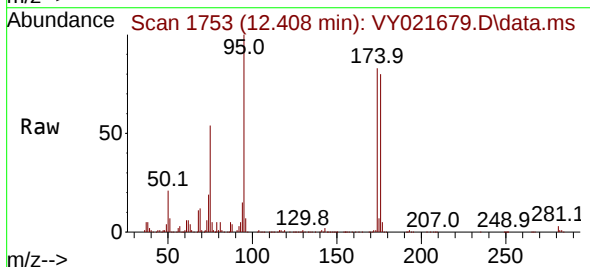
Acq: 27 Mar 2025 20:05

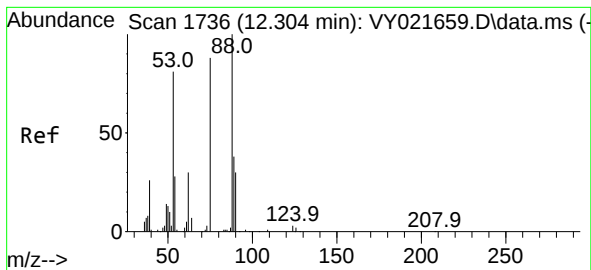
Tgt Ion: 75 Resp: 86151

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.605 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021679.D
 Acq: 27 Mar 2025 20:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Tgt Ion: 75 Resp: 86151
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.2 54.4#

