

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021675.D
 Acq On : 27 Mar 2025 18:32
 Operator : SY/MD
 Sample : Q1648-09
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: Mar 28 04:04:28 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)

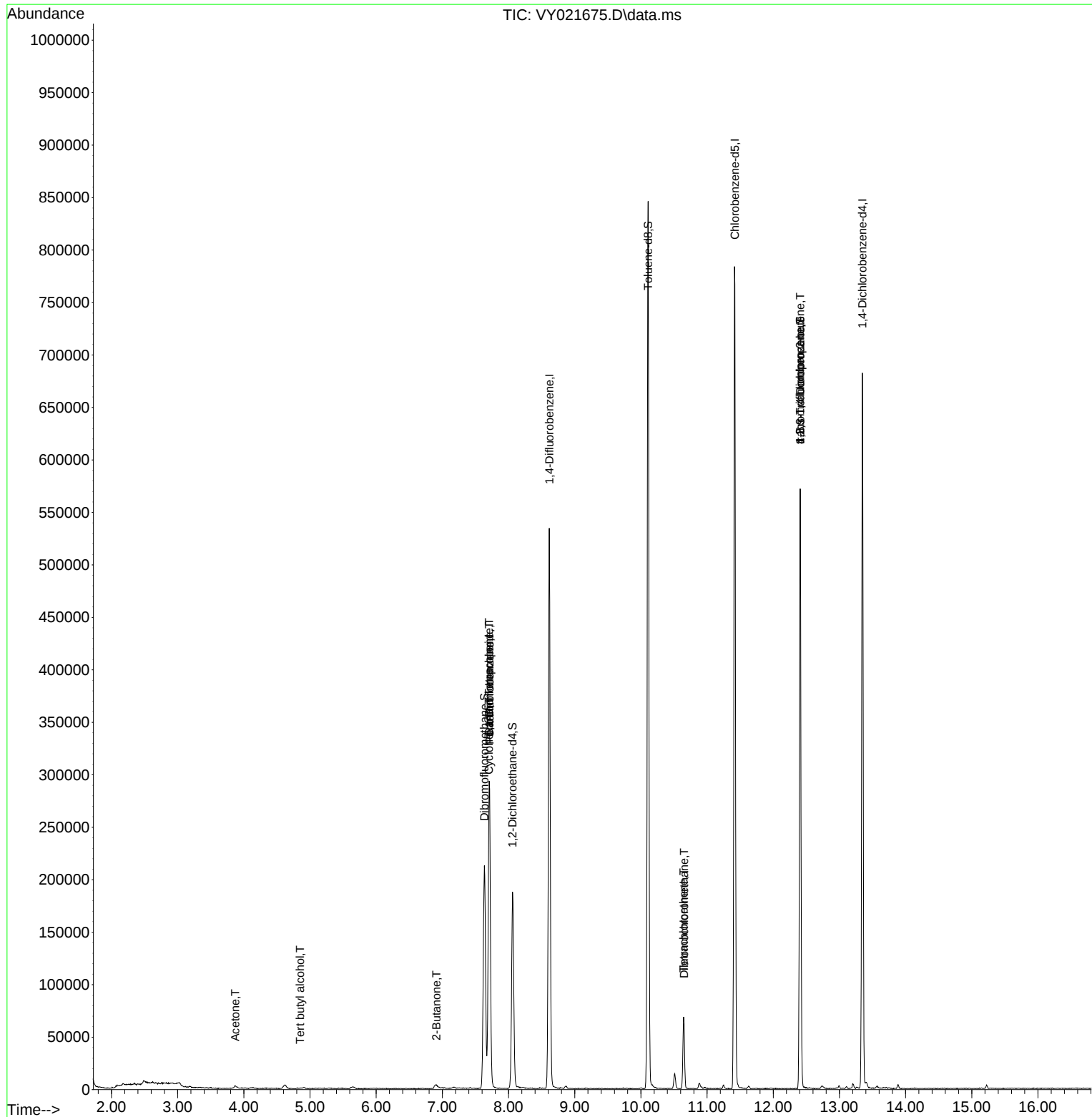
Internal Standards						
1) Pentafluorobenzene	7.713	168	220283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	432276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	403867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146770	61.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.980%	
35) Dibromofluoromethane	7.634	113	149722	53.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.780%	
50) Toluene-d8	10.109	98	533951	50.053	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.100%	
62) 4-Bromofluorobenzene	12.408	95	165171	45.775	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	572	3.690	ug/l #	80
16) Acetone	3.873	43	4177	8.551	ug/l	96
20) Methylene Chloride	4.629	84	2761	Below Cal	#	71
25) 2-Butanone	6.909	43	1231	1.764	ug/l #	77
31) Cyclohexane	7.701	56	5063	1.202	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	18757	4.392	ug/l #	51
38) Carbon Tetrachloride	7.707	117	23081	4.718	ug/l #	17
60) Dibromochloromethane	10.652	129	13051	4.257	ug/l #	11
64) Tetrachloroethene	10.646	164	14094	3.832	ug/l	92
76) 1,2,3-Trichloropropane	12.408	75	89782	55.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	89782	127.503	ug/l #	12

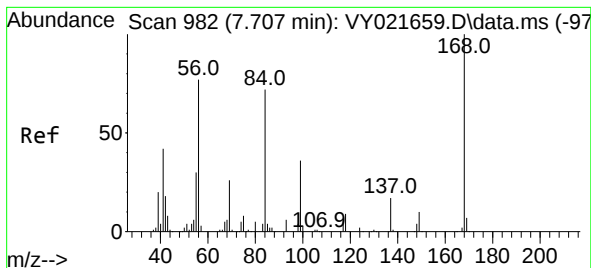
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

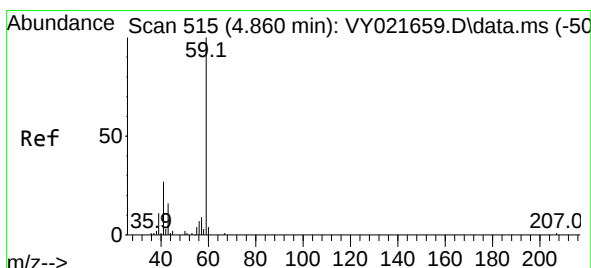
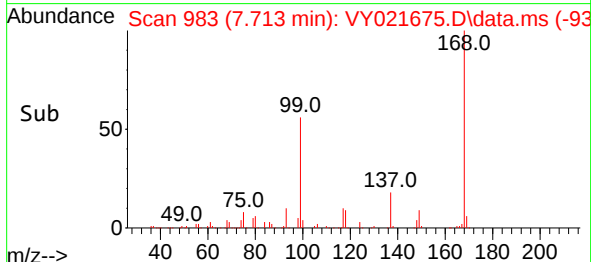
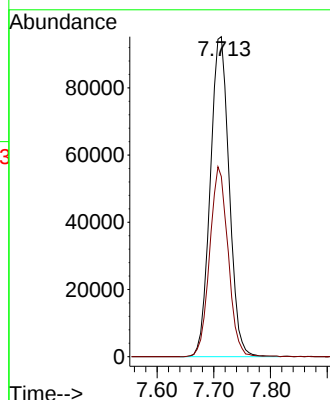
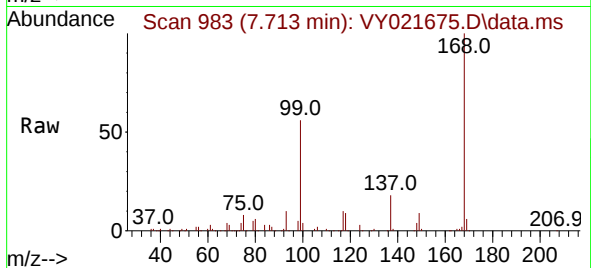
TP-7

Tgt Ion:168 Resp: 220283

Ion Ratio Lower Upper

168 100

99 56.3 46.7 70.1



#11

Tert butyl alcohol

Concen: 3.690 ug/l

RT: 4.848 min Scan# 513

Delta R.T. -0.012 min

Lab File: VY021675.D

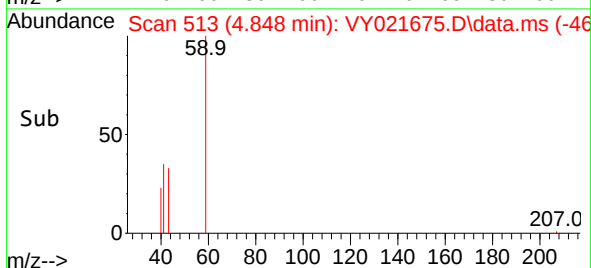
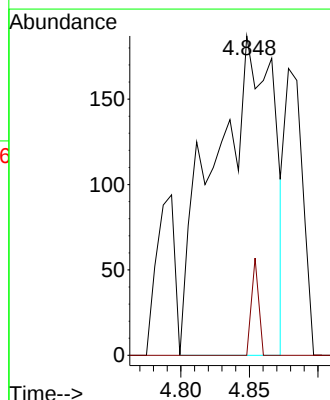
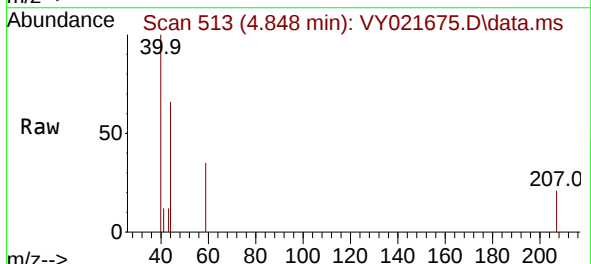
Acq: 27 Mar 2025 18:32

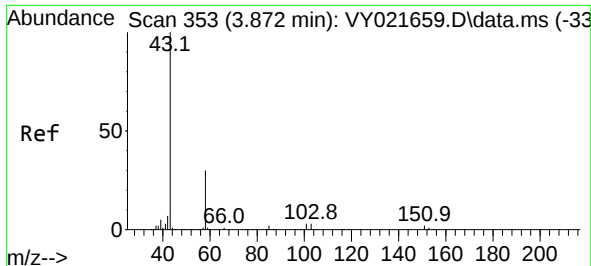
Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

59 100

57 3.7 9.2 13.8#





#16

Acetone

Concen: 8.551 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

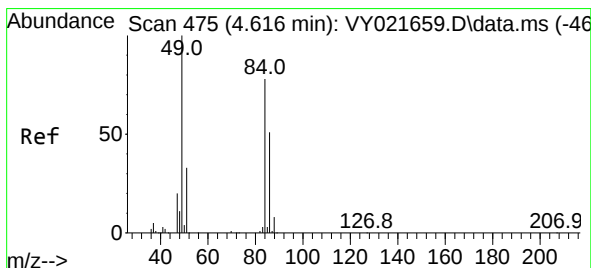
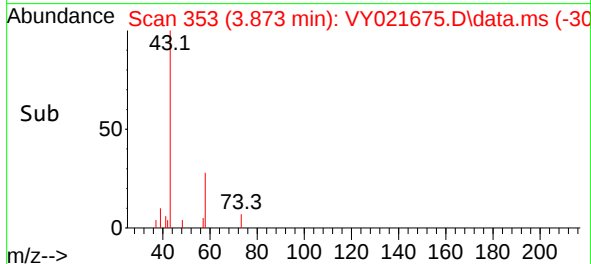
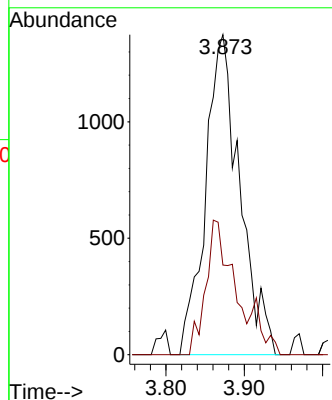
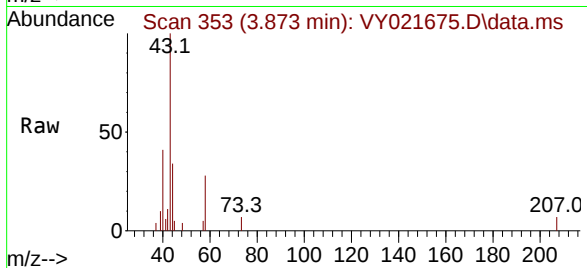
TP-7

Tgt Ion: 43 Resp: 4177

Ion Ratio Lower Upper

43 100

58 28.0 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.629 min Scan# 477

Delta R.T. 0.013 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Tgt Ion: 84 Resp: 2761

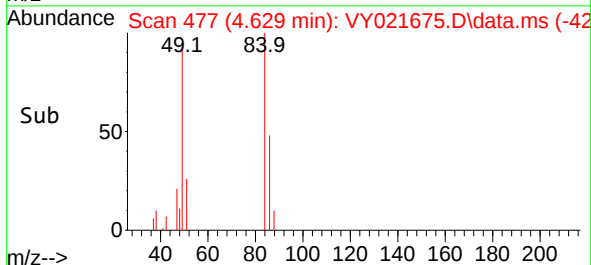
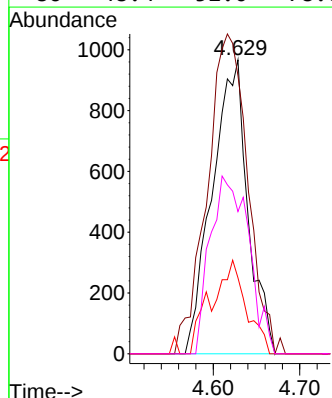
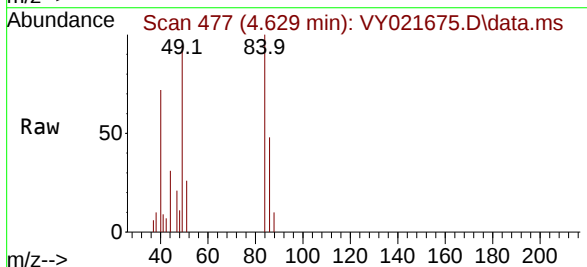
Ion Ratio Lower Upper

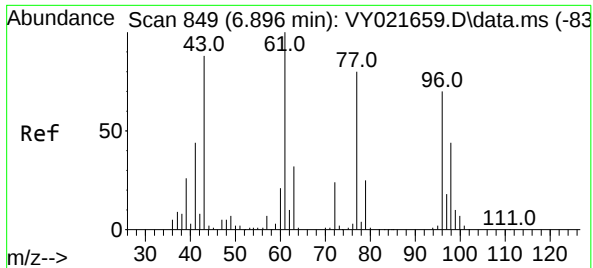
84 100

49 89.2 102.8 154.2#

51 25.9 33.5 50.3#

86 48.4 52.0 78.0#

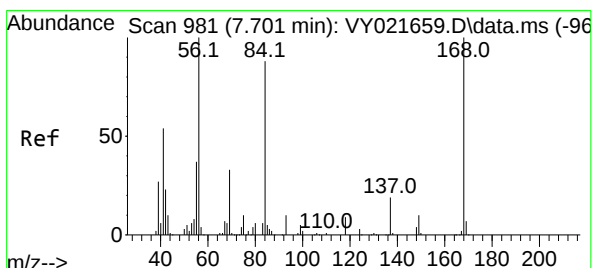
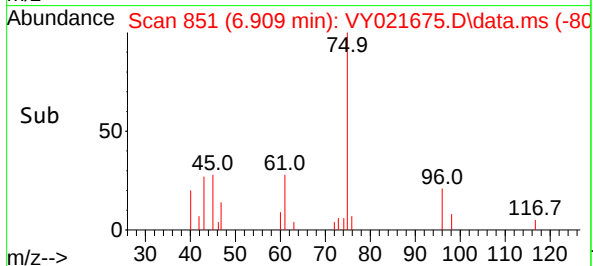
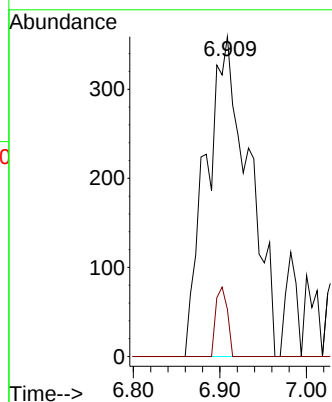
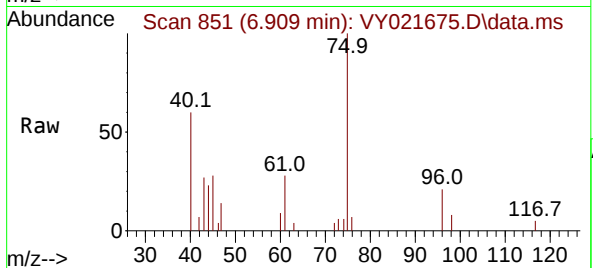




#25
2-Butanone
Concen: 1.764 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

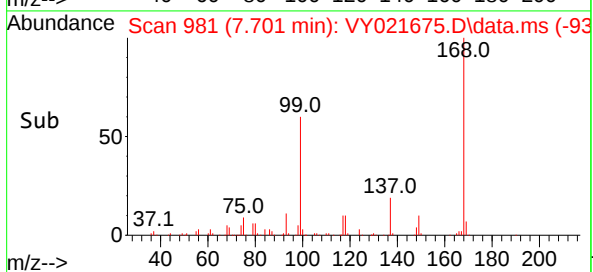
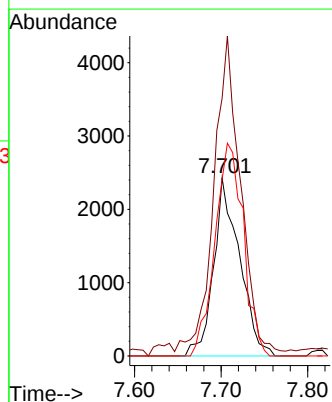
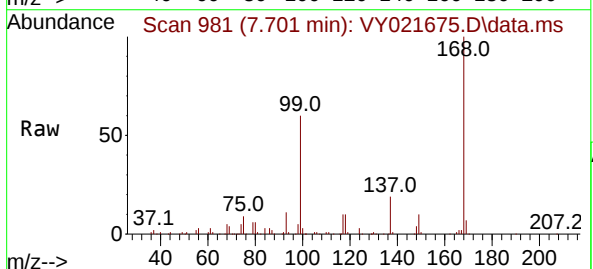
Instrument :
MSVOA_Y
ClientSampleId :
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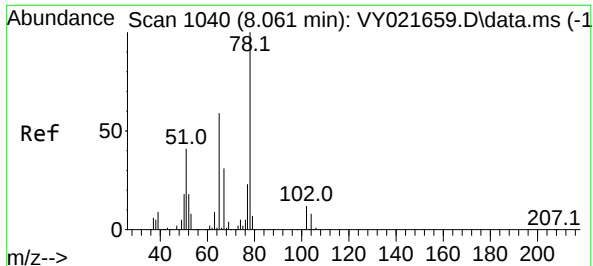
Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
72 14.8 21.4 32.2#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

Tgt Ion: 56 Resp: 5063
Ion Ratio Lower Upper
56 100
69 141.9 26.6 40.0#
84 99.1 69.0 103.4





#33

1,2-Dichloroethane-d4

Concen: 61.495 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

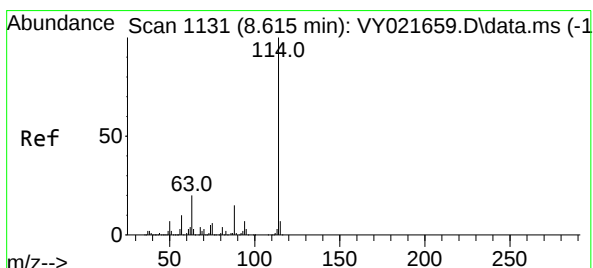
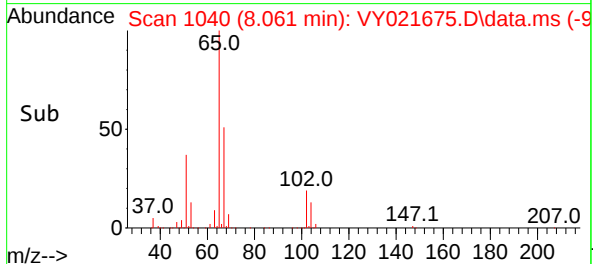
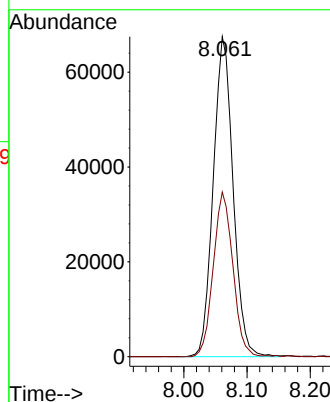
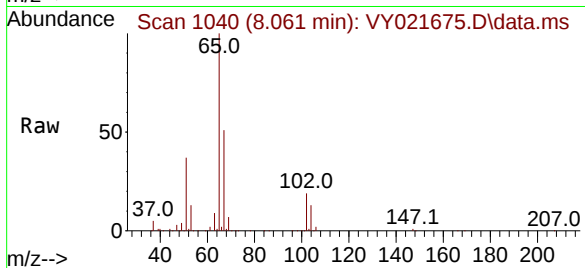
TP-7

Tgt Ion: 65 Resp: 146770

Ion Ratio Lower Upper

65 100

67 50.9 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: VY021675.D

Acq: 27 Mar 2025 18:32

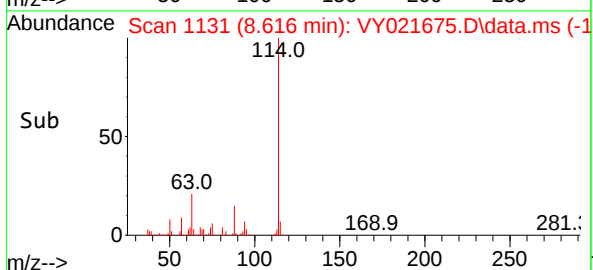
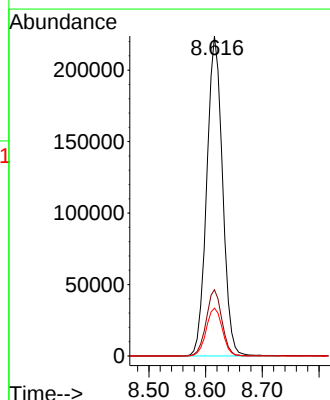
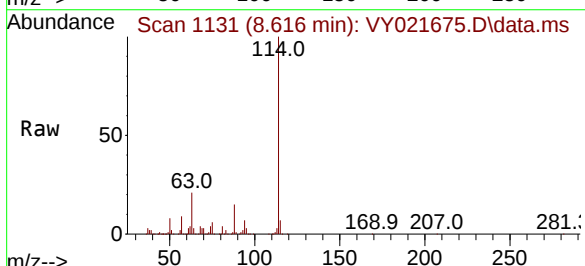
Tgt Ion: 114 Resp: 432276

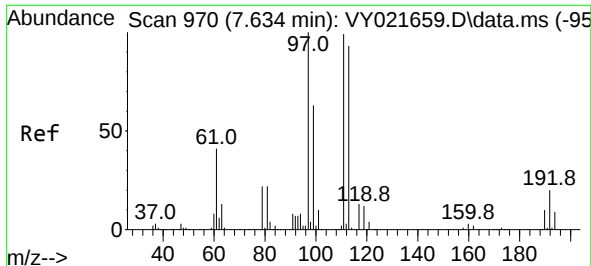
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.0 0.0 29.8

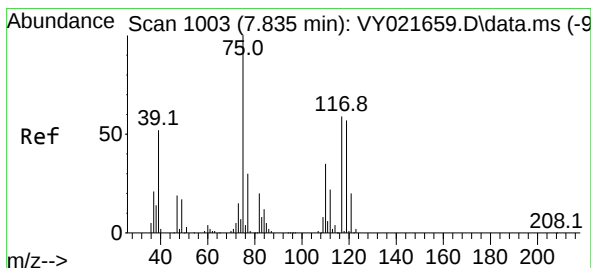
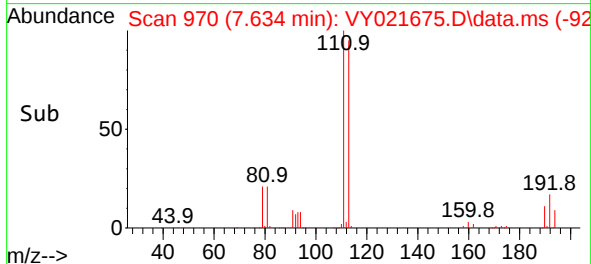
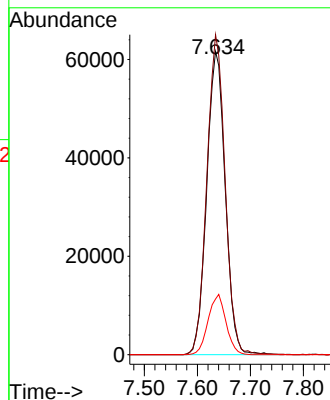
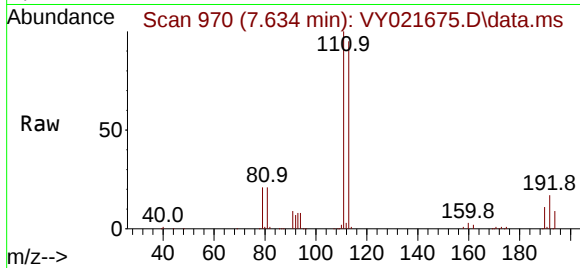




#35
Dibromofluoromethane
Concen: 53.394 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

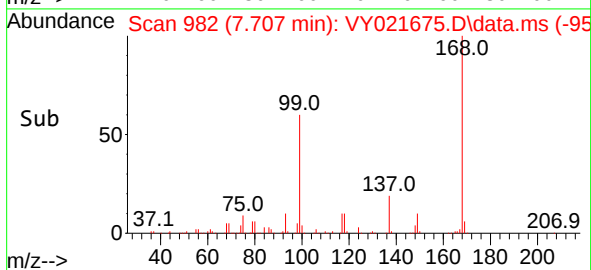
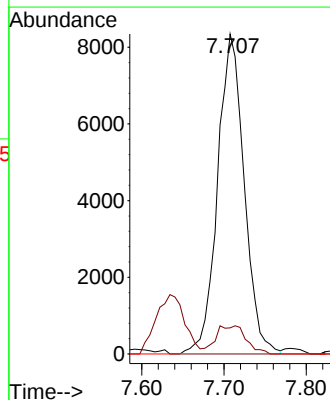
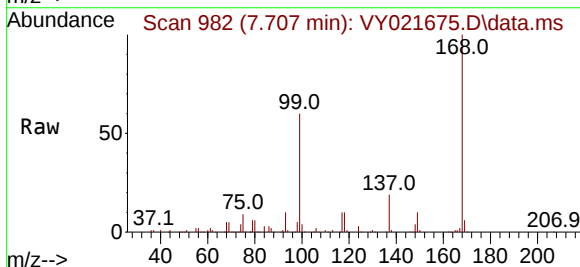
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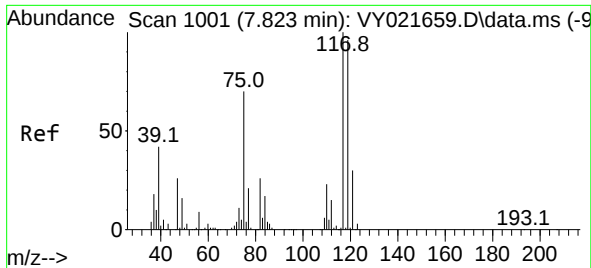
Tgt Ion:113 Resp: 149722
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 19.2 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

Tgt Ion: 75 Resp: 18757
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.8 37.2#

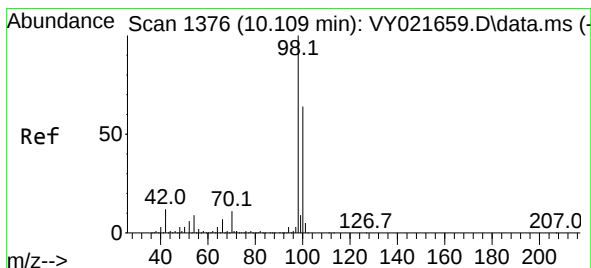
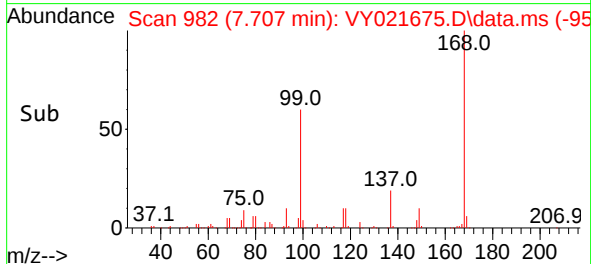
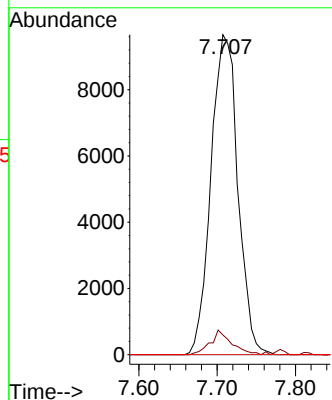
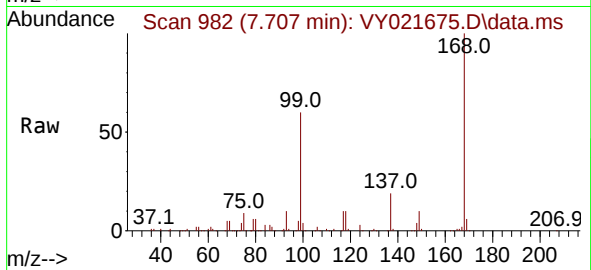




#38
Carbon Tetrachloride
Concen: 4.718 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

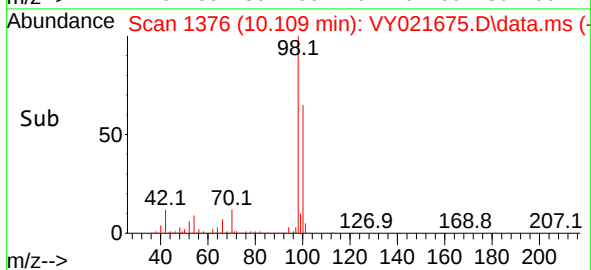
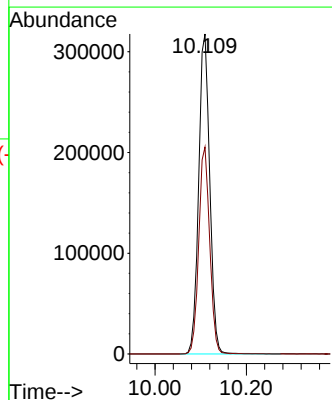
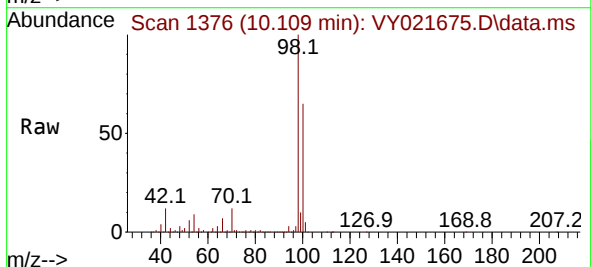
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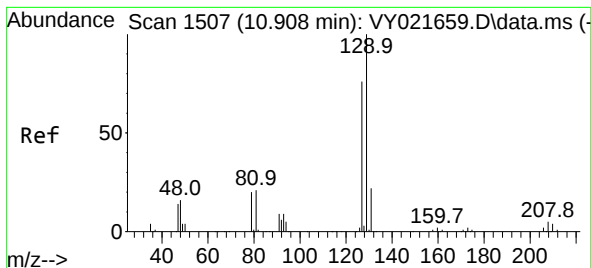
Tgt Ion:117 Resp: 23081
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.053 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

Tgt Ion: 98 Resp: 533951
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1





#60

Dibromochloromethane

Concen: 4.257 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.256 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

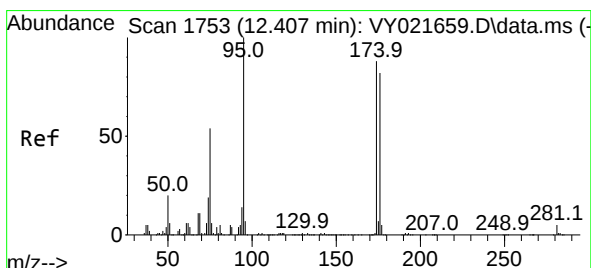
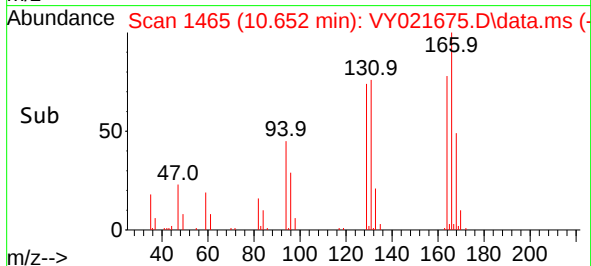
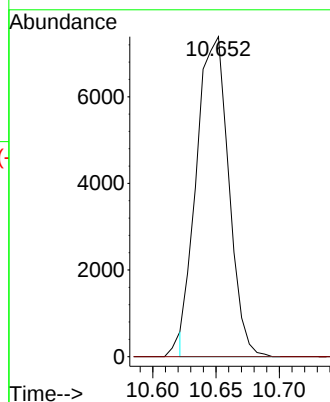
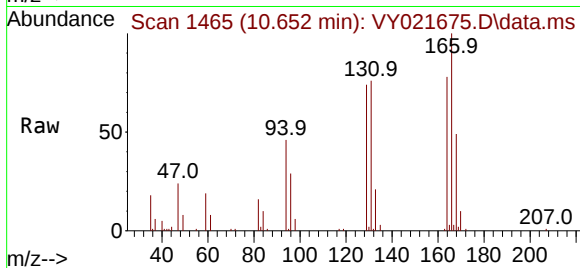
TP-7

Tgt Ion:129 Resp: 13051

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



#62

4-Bromofluorobenzene

Concen: 45.775 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

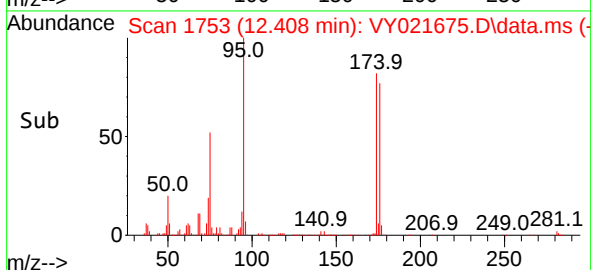
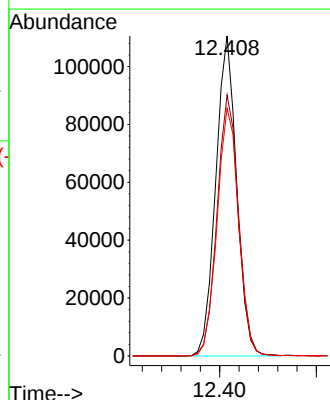
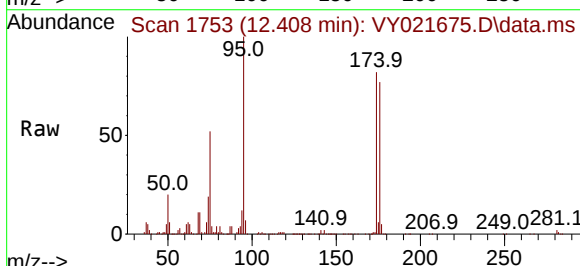
Tgt Ion: 95 Resp: 165171

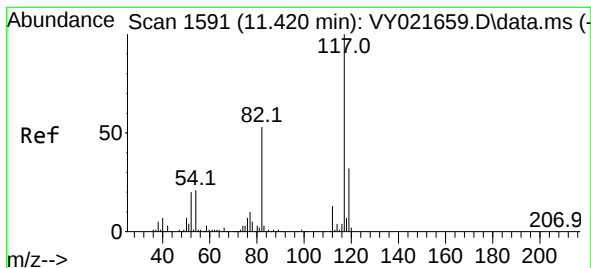
Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.8

176 80.2 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: VY021675.D

Acq: 27 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

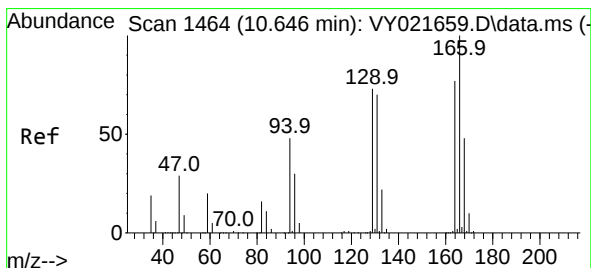
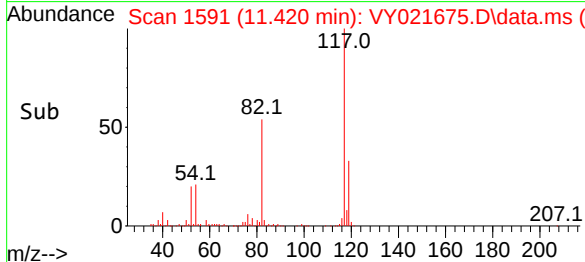
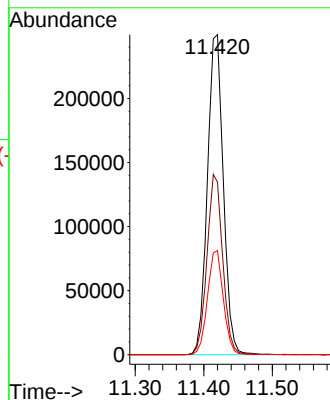
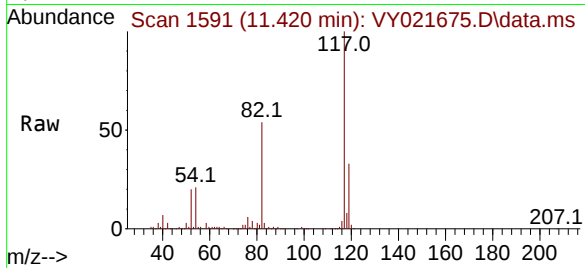
Tgt Ion:117 Resp: 403867

Ion Ratio Lower Upper

117 100

82 53.9 42.8 64.2

119 32.6 25.7 38.5



#64

Tetrachloroethene

Concen: 3.832 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Tgt Ion:164 Resp: 14094

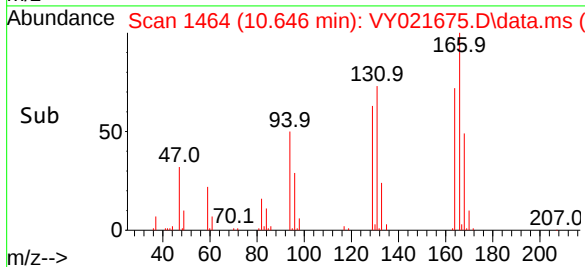
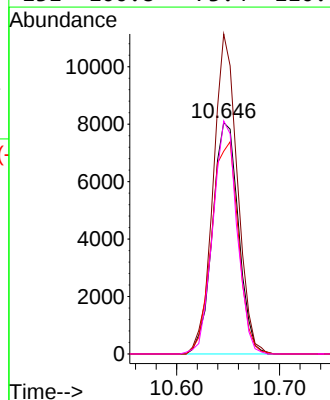
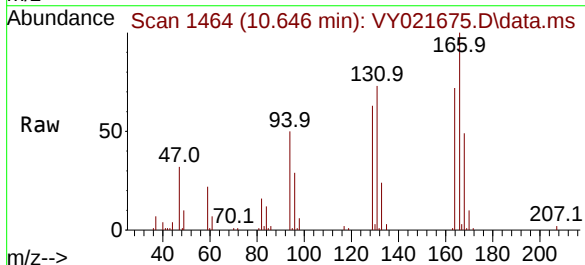
Ion Ratio Lower Upper

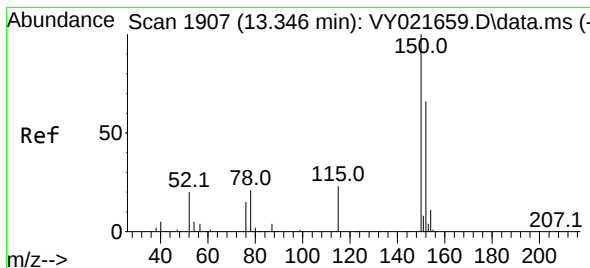
164 100

166 138.3 104.6 156.8

129 87.6 76.6 114.8

131 100.8 73.4 110.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021675.D

Acq: 27 Mar 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

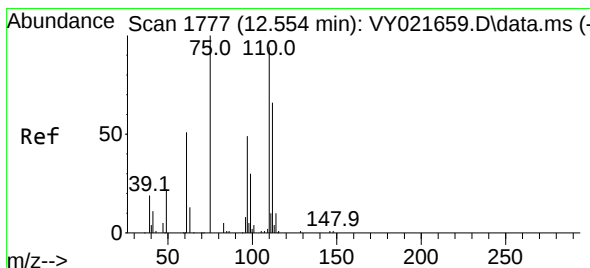
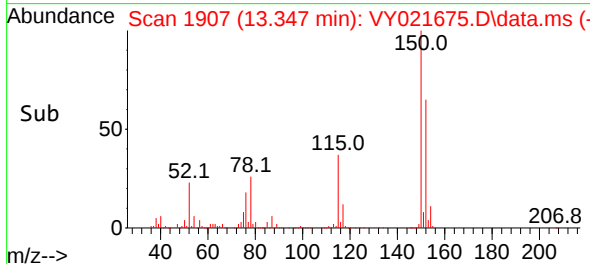
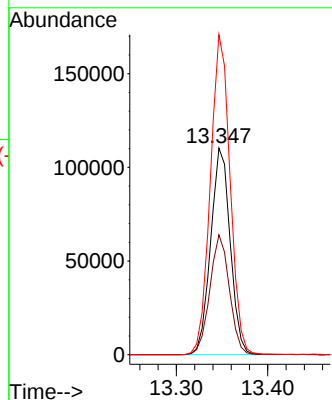
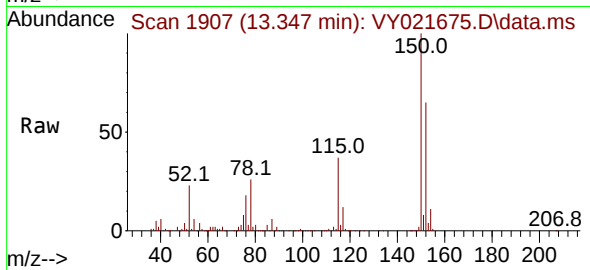
Tgt Ion:152 Resp: 163681

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.3 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 55.336 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021675.D

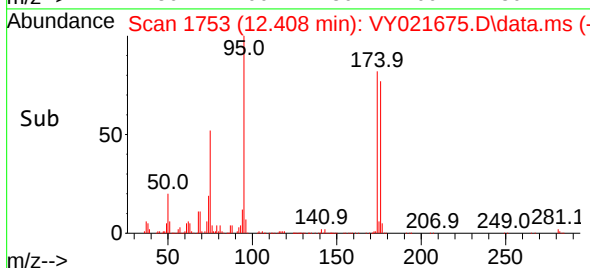
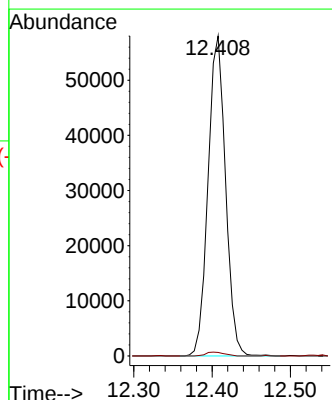
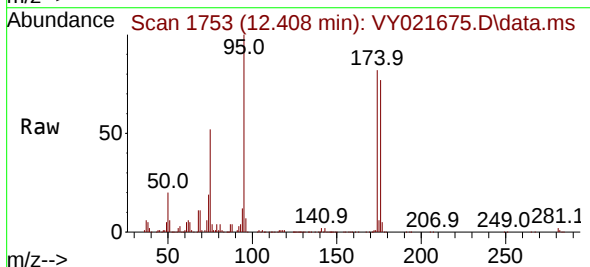
Acq: 27 Mar 2025 18:32

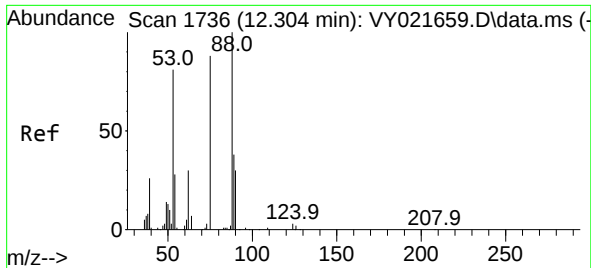
Tgt Ion: 75 Resp: 89782

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 127.503 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021675.D
Acq: 27 Mar 2025 18:32

Instrument :
MSVOA_Y
ClientSampleId :
TP-7

Tgt Ion: 75 Resp: 89782
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 36.2 54.4#

