

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022766.D
 Acq On : 20 Jun 2025 16:18
 Operator : SY/MD
 Sample : Q2380-01
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11948

Quant Time: Jun 21 02:41:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

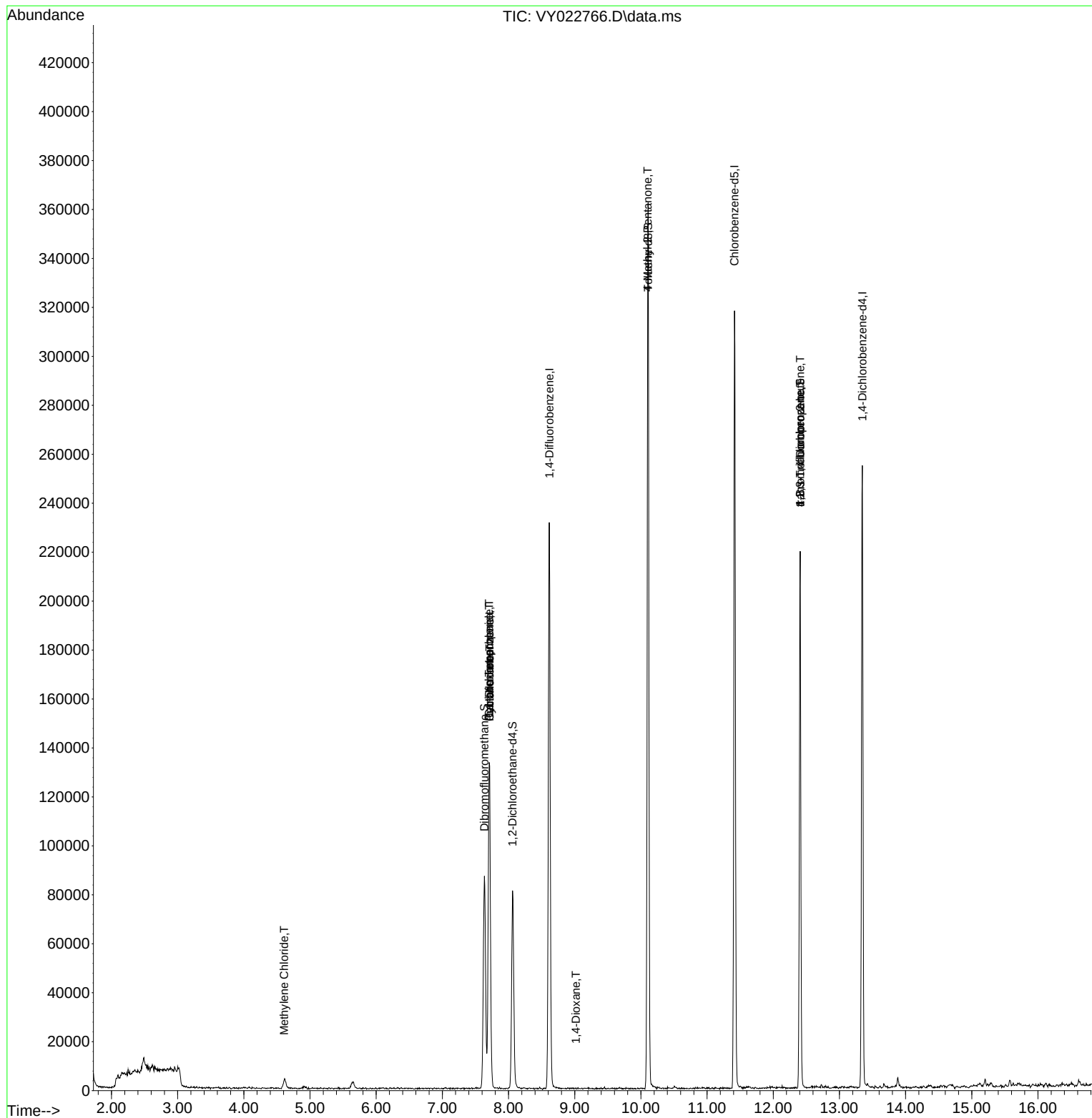
Internal Standards						
1) Pentafluorobenzene	7.713	168	101191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	191702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	159388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	60884	53.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.600%	
35) Dibromofluoromethane	7.634	113	58700	51.301	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.600%	
50) Toluene-d8	10.109	98	228504	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.840%	
62) 4-Bromofluorobenzene	12.408	95	58931	42.780	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.560%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	2608	1.998	ug/l	92
31) Cyclohexane	7.713	56	2885	1.327	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	9288	5.001	ug/l #	51
38) Carbon Tetrachloride	7.707	117	11016	5.782	ug/l #	15
49) 1,4-Dioxane	9.018	88	40	4.630	ug/l #	2
51) 4-Methyl-2-Pentanone	10.103	43	1382	1.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	33559	49.217	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	33559	118.856	ug/l #	11

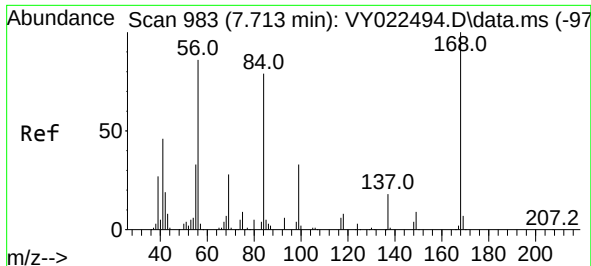
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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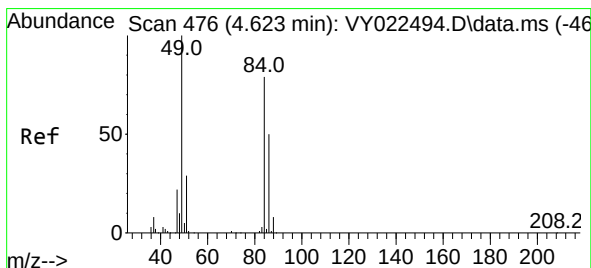
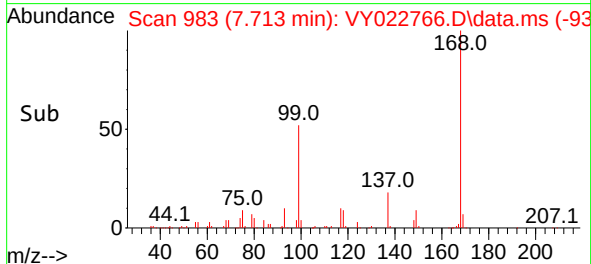
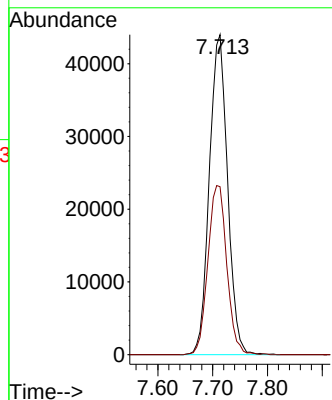
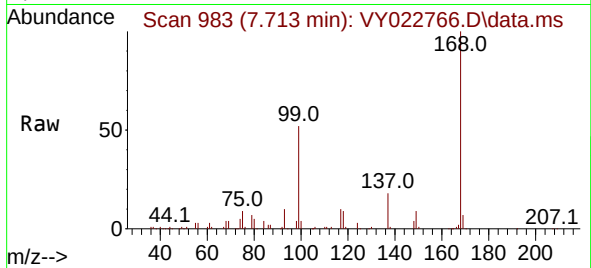




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

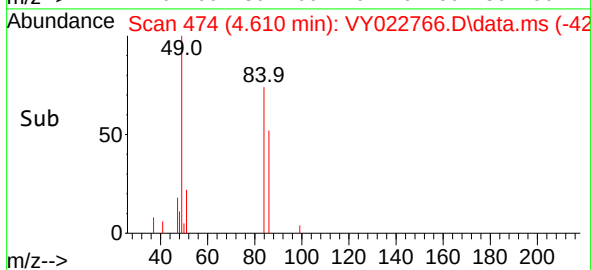
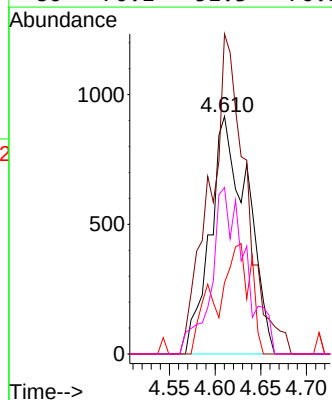
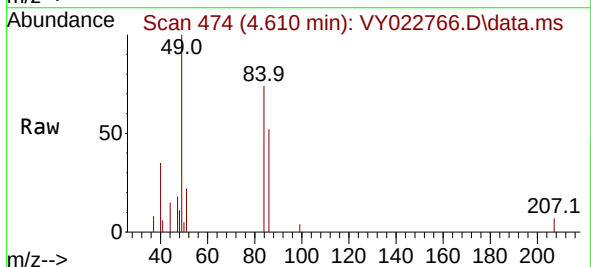
Instrument :
MSVOA_Y
ClientSampleId :
72-11948

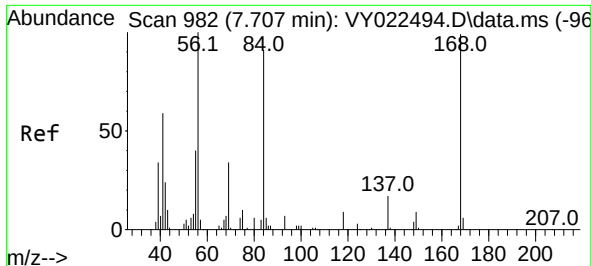
Tgt Ion:168 Resp: 101191
Ion Ratio Lower Upper
168 100
99 52.5 44.3 66.5



#20
Methylene Chloride
Concen: 1.998 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Tgt Ion: 84 Resp: 2608
Ion Ratio Lower Upper
84 100
49 134.7 101.9 152.9
51 30.0 29.8 44.8
86 70.1 51.3 76.9

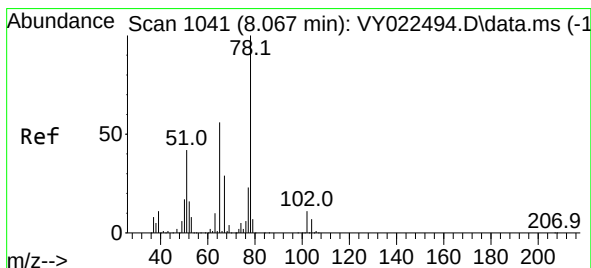
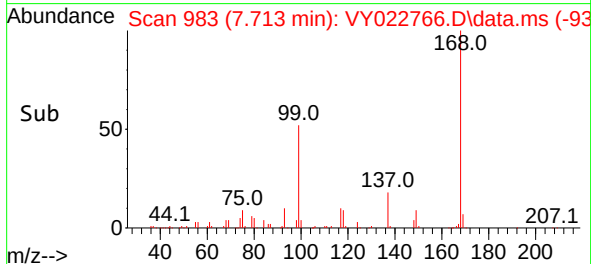
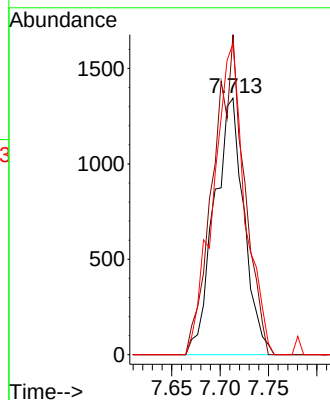
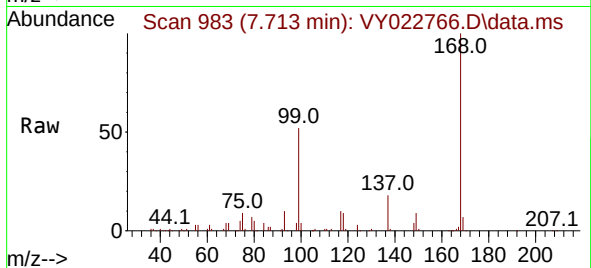




#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

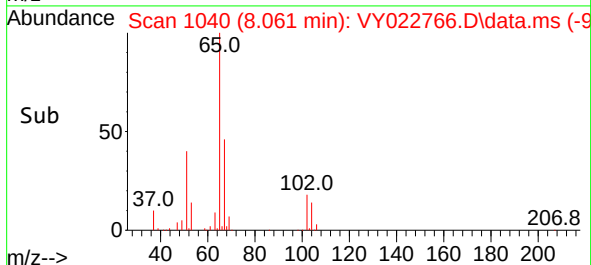
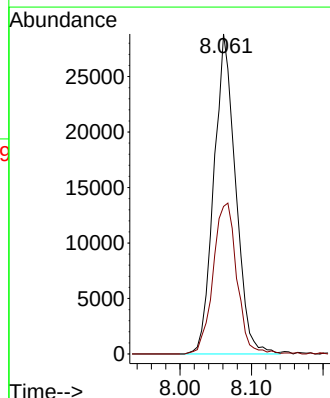
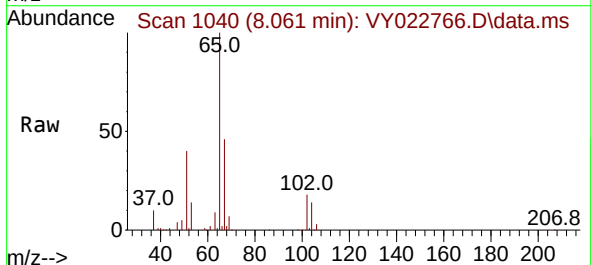
Instrument :
MSVOA_Y
ClientSampleId :
72-11948

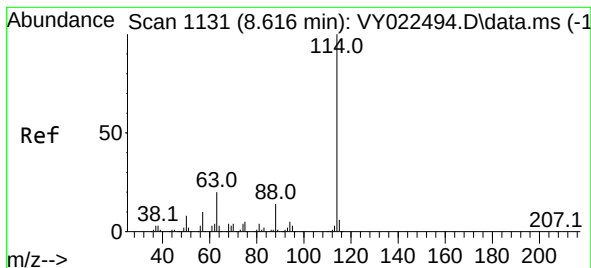
Tgt Ion: 56 Resp: 2885
Ion Ratio Lower Upper
56 100
69 124.8 27.0 40.6#
84 121.4 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 53.796 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Tgt Ion: 65 Resp: 60884
Ion Ratio Lower Upper
65 100
67 51.5 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: VY022766.D

Acq: 20 Jun 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

72-11948

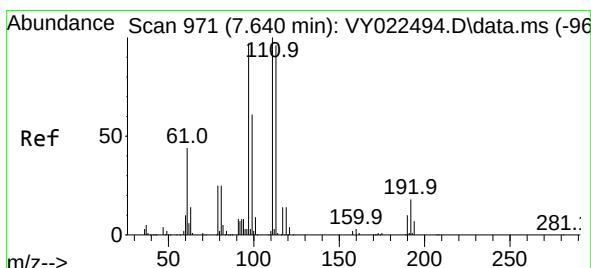
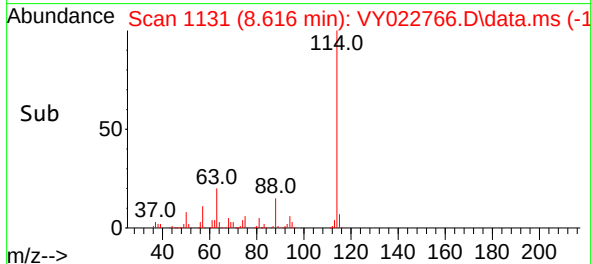
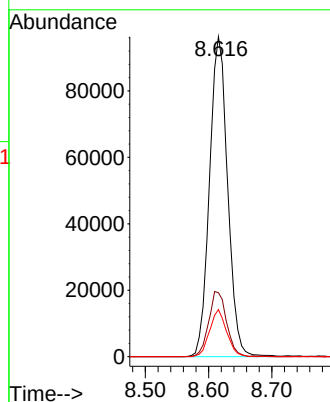
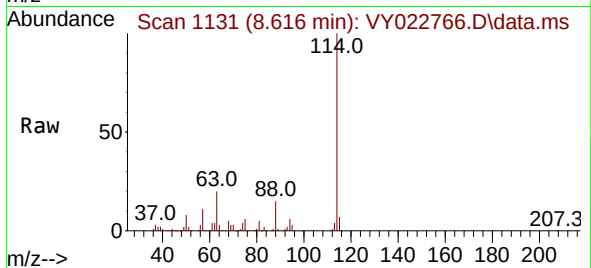
Tgt Ion:114 Resp: 191702

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 14.7 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.301 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

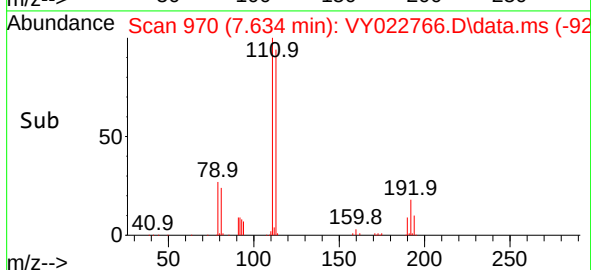
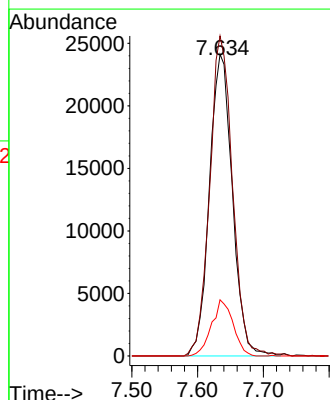
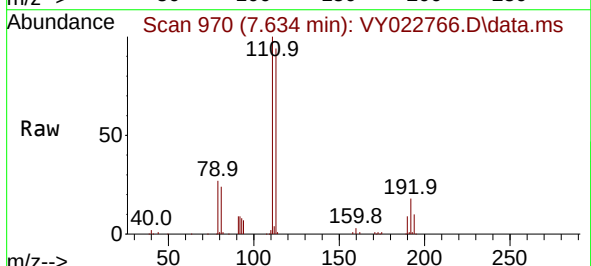
Tgt Ion:113 Resp: 58700

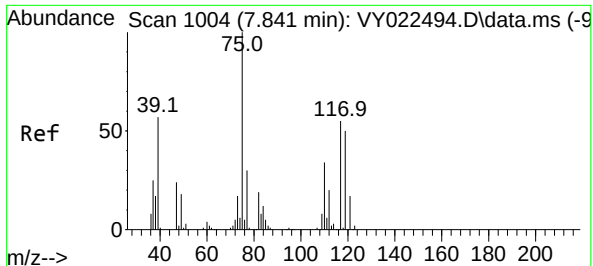
Ion Ratio Lower Upper

113 100

111 105.3 81.1 121.7

192 17.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

72-11948

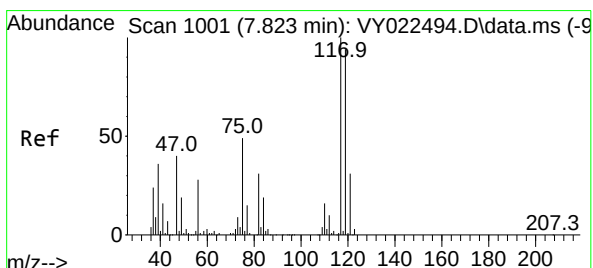
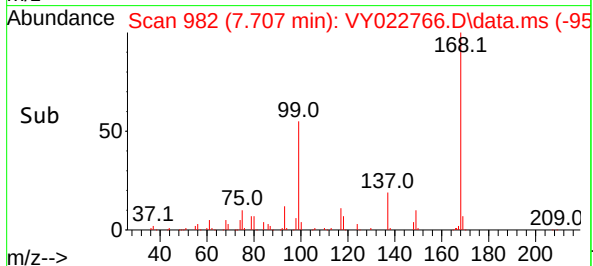
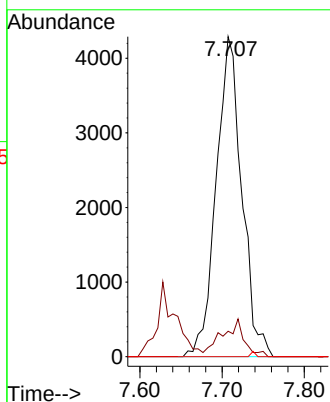
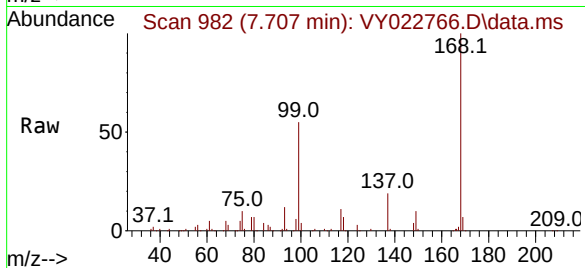
Tgt Ion: 75 Resp: 9288

Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.782 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

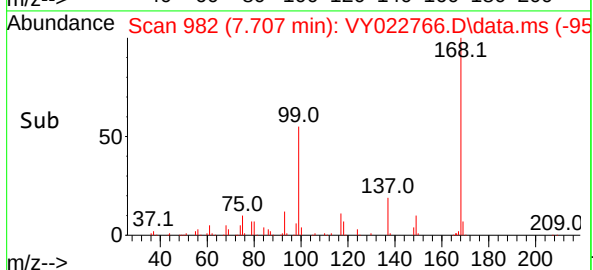
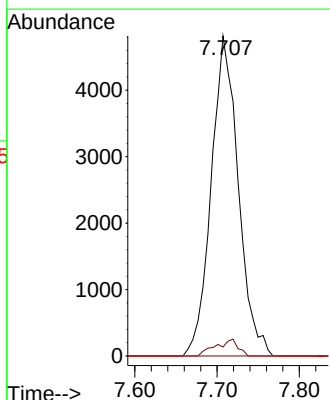
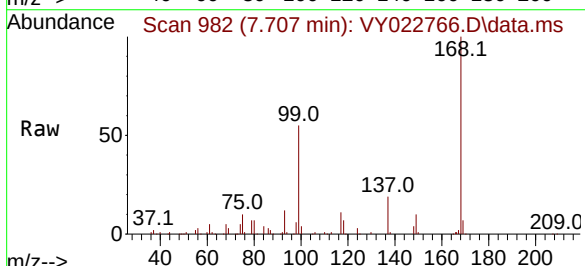
Tgt Ion: 117 Resp: 11016

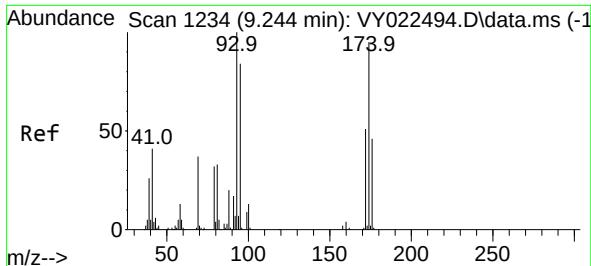
Ion Ratio Lower Upper

117 100

119 2.8 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 4.630 ug/l

RT: 9.018 min Scan# 1197

Delta R.T. -0.226 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

72-11948

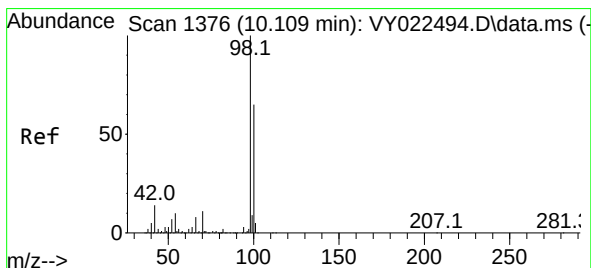
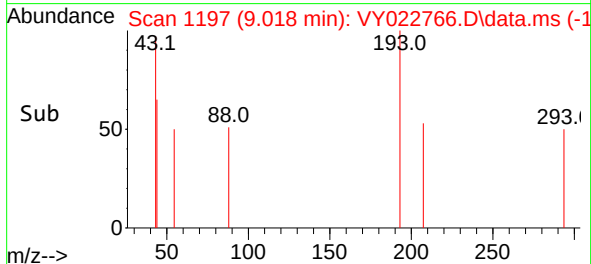
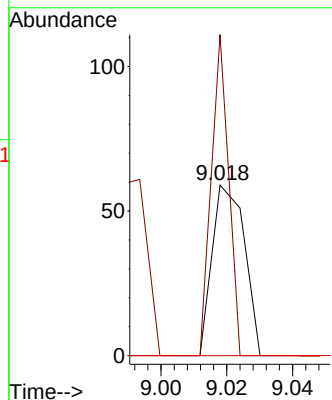
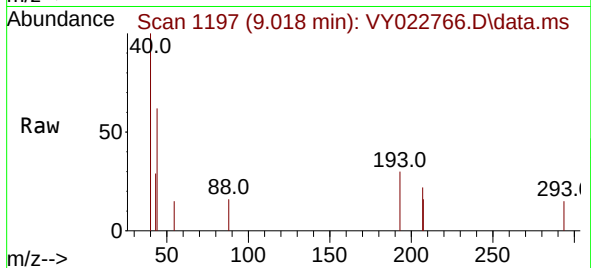
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 102.5 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 49.423 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022766.D

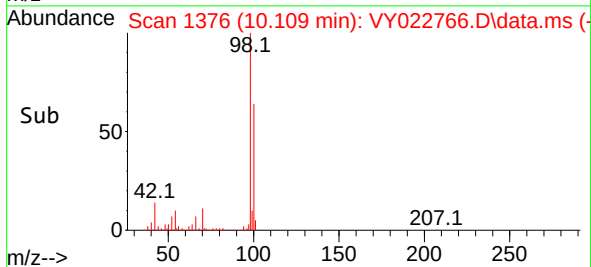
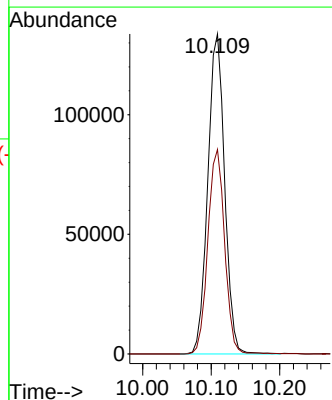
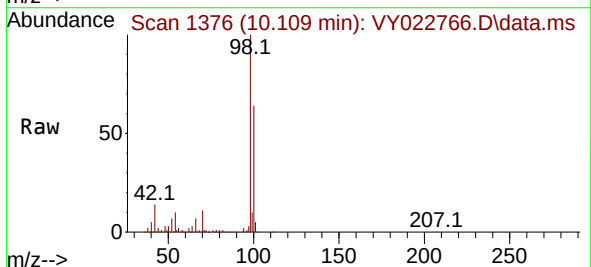
Acq: 20 Jun 2025 16:18

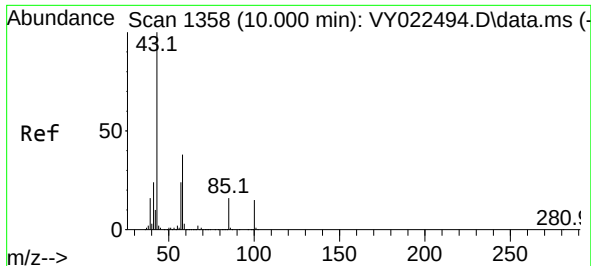
Tgt Ion: 98 Resp: 228504

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.550 ug/l

RT: 10.103 min Scan# 1358

Delta R.T. 0.104 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

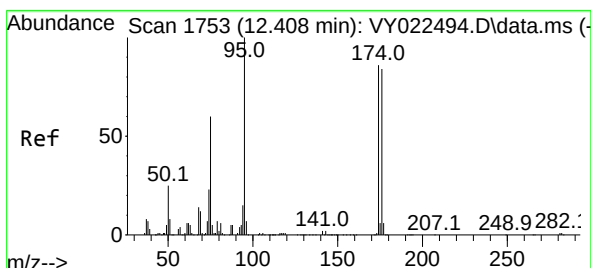
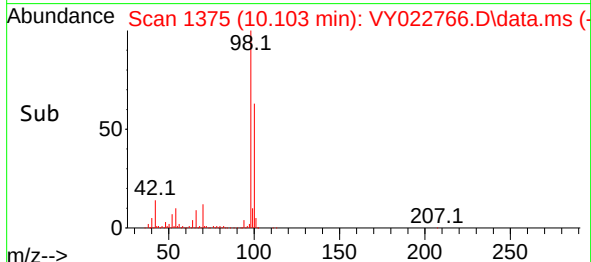
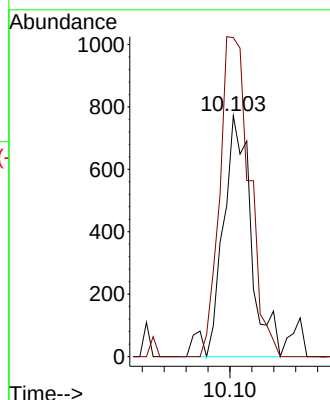
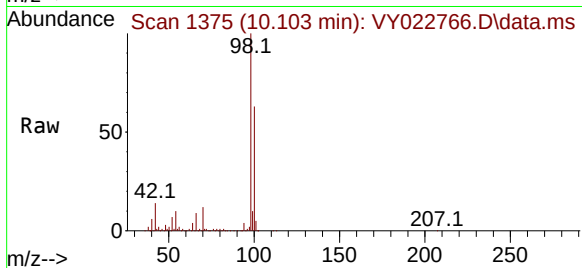
72-11948

Tgt Ion: 43 Resp: 1382

Ion Ratio Lower Upper

43 100

58 140.7 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 42.780 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

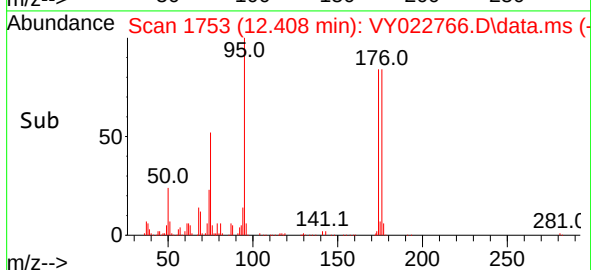
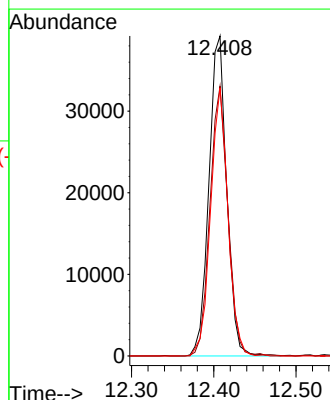
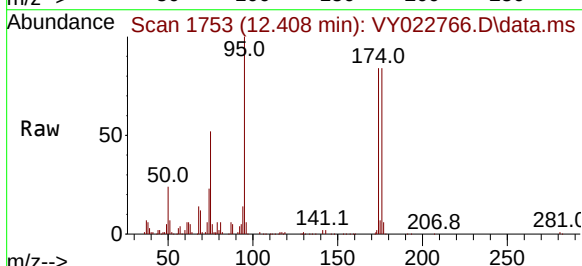
Tgt Ion: 95 Resp: 58931

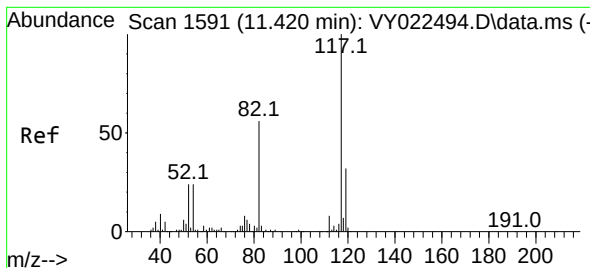
Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.0

176 81.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

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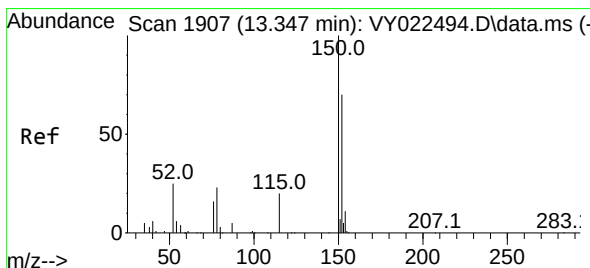
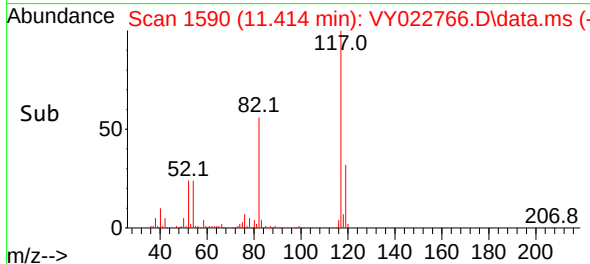
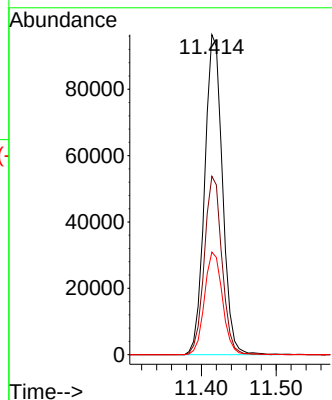
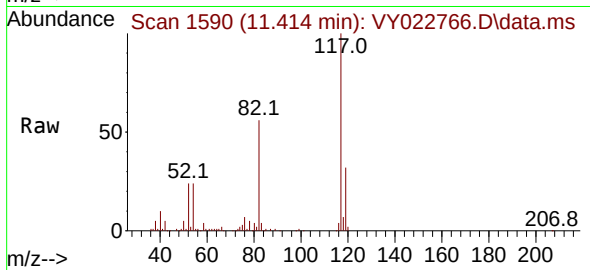
Tgt Ion:117 Resp: 159388

Ion Ratio Lower Upper

117 100

82 55.7 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

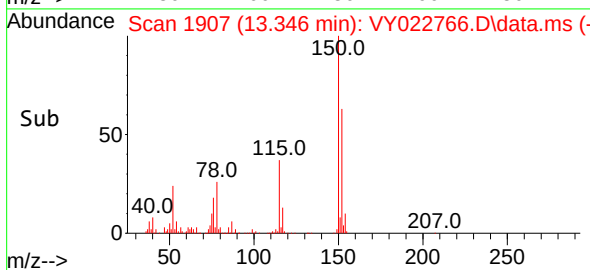
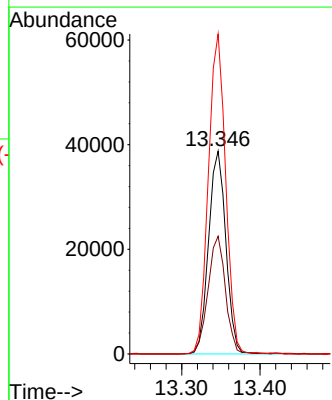
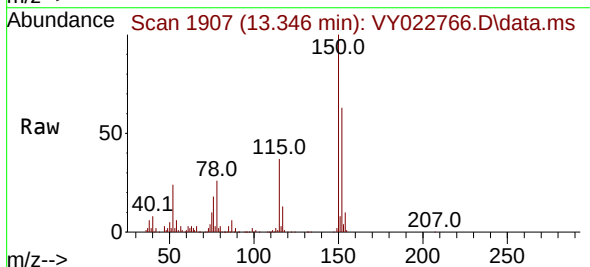
Tgt Ion:152 Resp: 59601

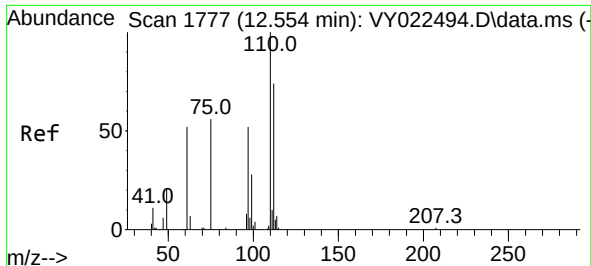
Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 156.8 0.0 349.6

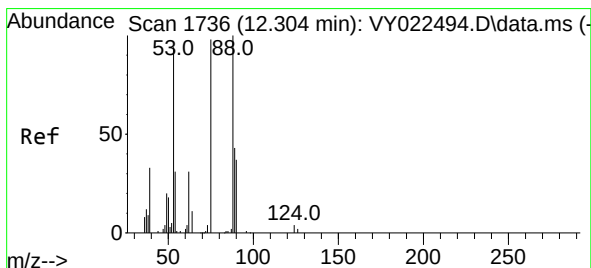
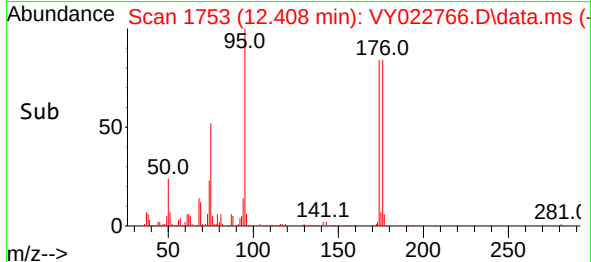
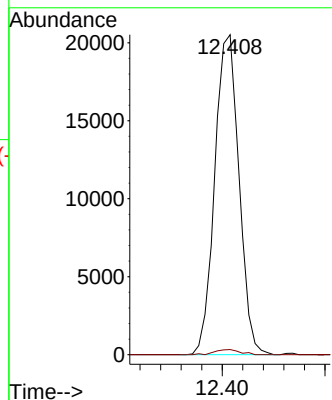
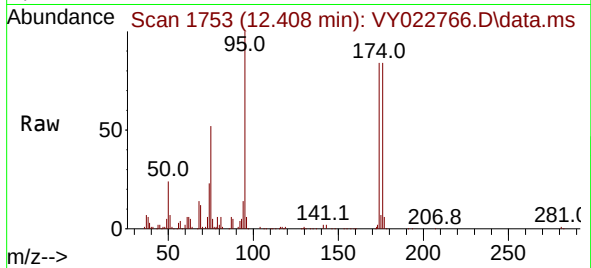




#76
1,2,3-Trichloropropane
Concen: 49.217 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
72-11948

Tgt Ion: 75 Resp: 33559
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.856 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Tgt Ion: 75 Resp: 33559
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 35.7 53.5#

