

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022610.D
 Acq On : 06 Jun 2025 19:11
 Operator : SY/MD
 Sample : Q2248-01
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-060525

Quant Time: Jun 06 23:48:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

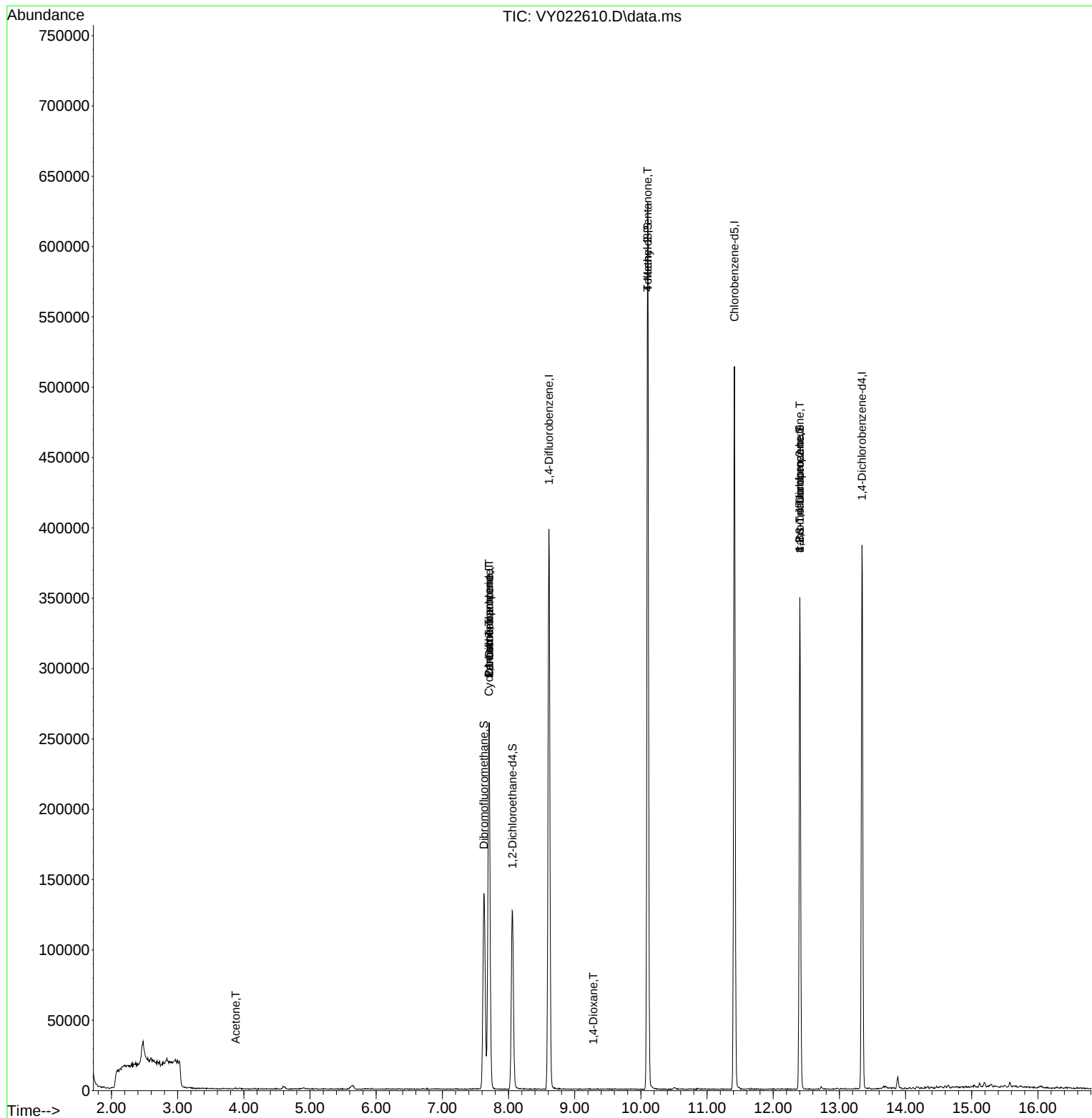
Internal Standards						
1) Pentafluorobenzene	7.707	168	191150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	323183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	247735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	88760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98301	45.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.960%
35) Dibromofluoromethane	7.628	113	94571	49.026	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.103	98	384720	49.358	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.402	95	91472	39.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.780%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	621	1.430	ug/l	95
31) Cyclohexane	7.701	56	5199	1.266	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	17238	5.506	ug/l #	51
38) Carbon Tetrachloride	7.707	117	19959	6.214	ug/l #	17
49) 1,4-Dioxane	9.280	88	20	1.373	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	1926	1.281	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	56647	55.785	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	56647	134.718	ug/l #	10

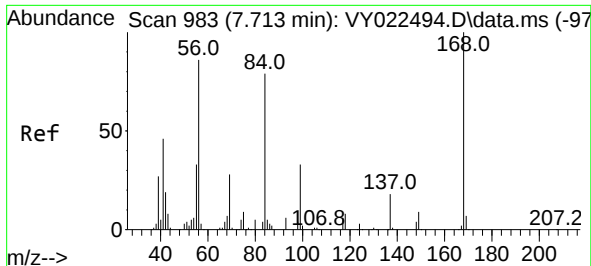
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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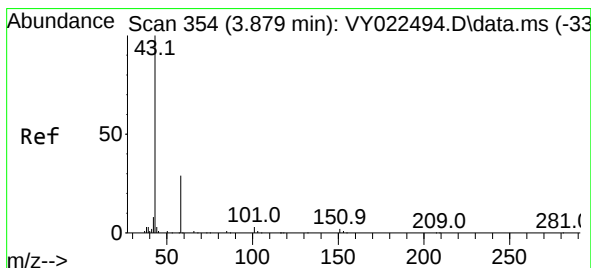
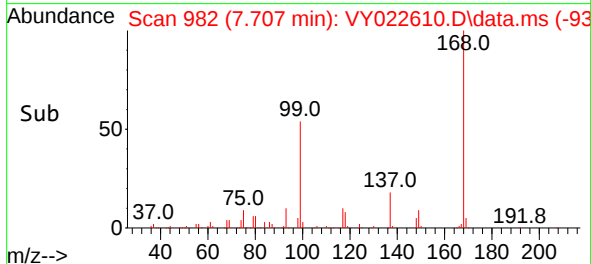
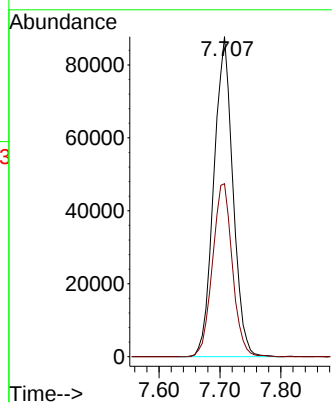
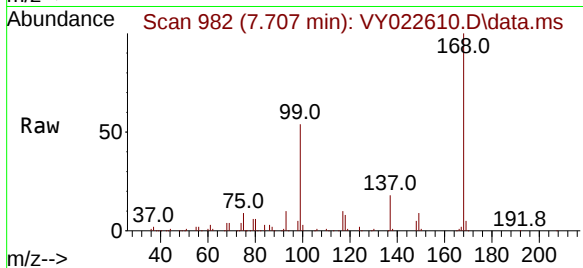




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

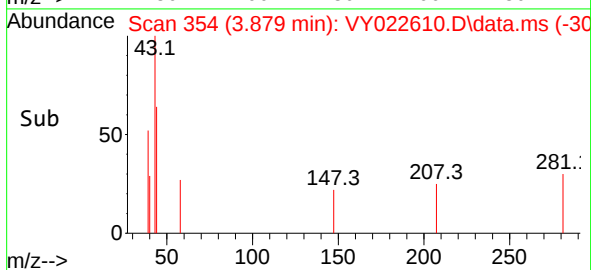
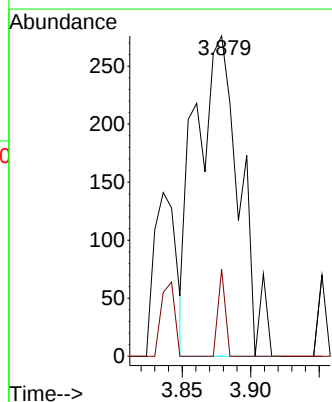
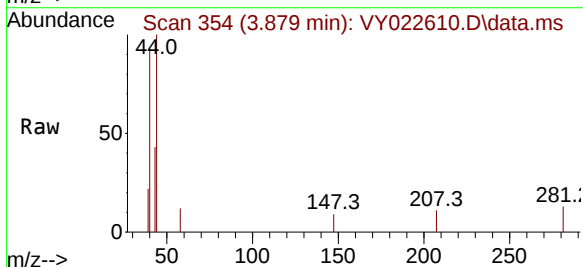
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-060525

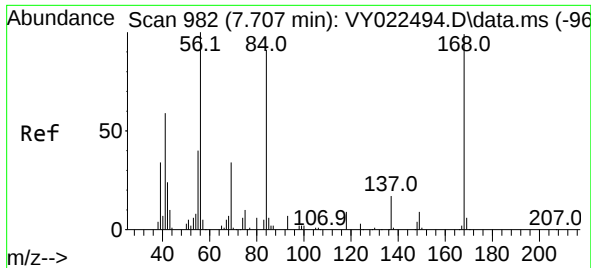
Tgt Ion:168 Resp: 191150
Ion Ratio Lower Upper
168 100
99 54.0 44.3 66.5



#16
Acetone
Concen: 1.430 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
58 27.2 24.0 36.0

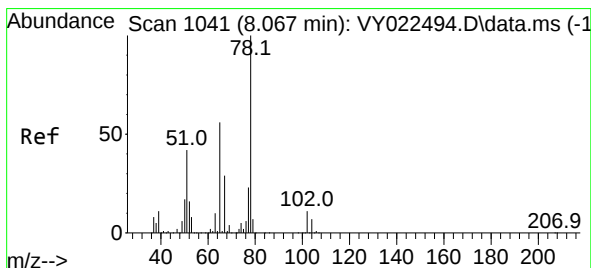
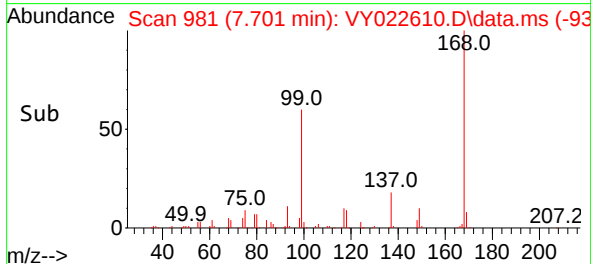
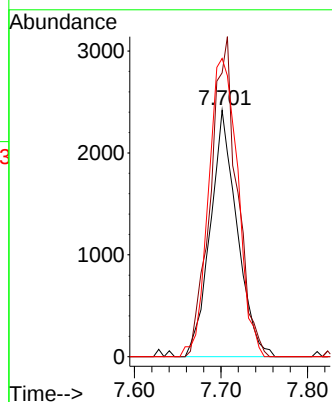
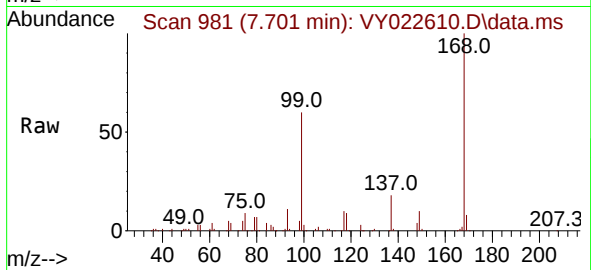




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

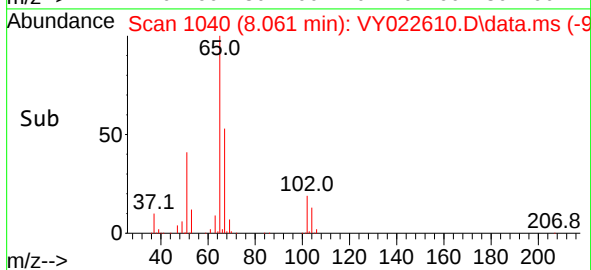
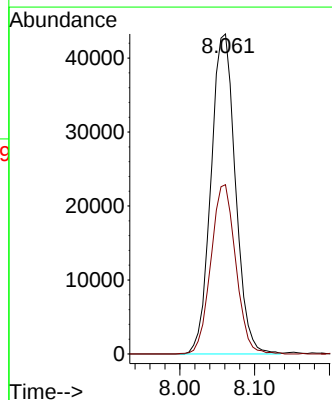
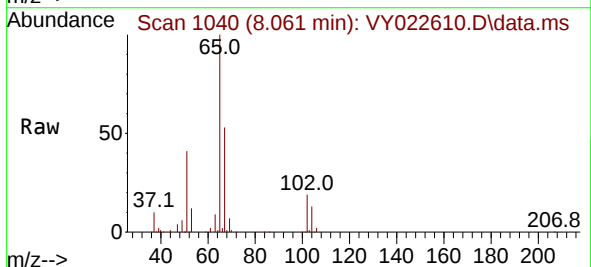
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-060525

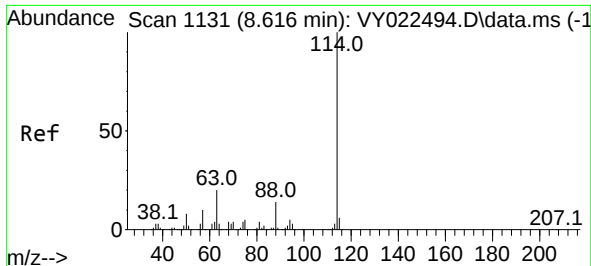
Tgt Ion: 56 Resp: 5199
Ion Ratio Lower Upper
56 100
69 115.2 27.0 40.6#
84 121.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 45.980 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion: 65 Resp: 98301
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.4

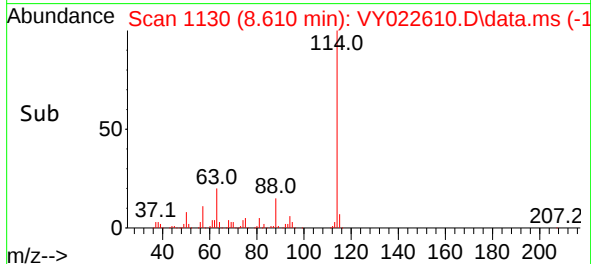
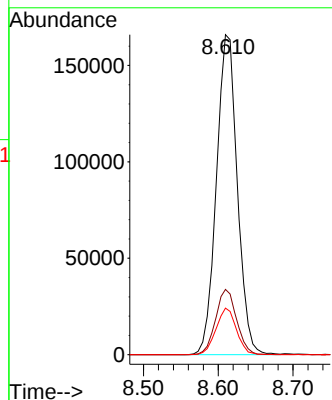
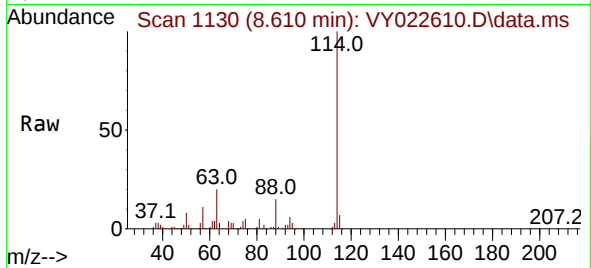




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

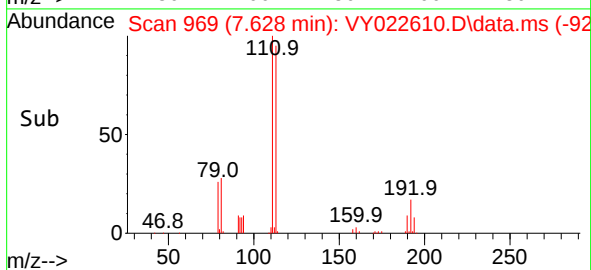
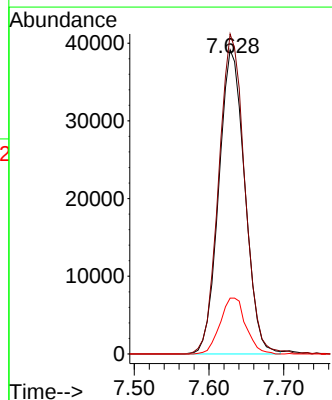
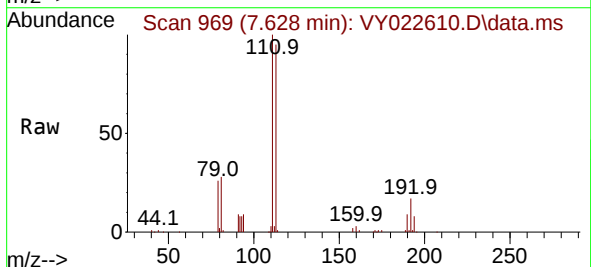
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-060525

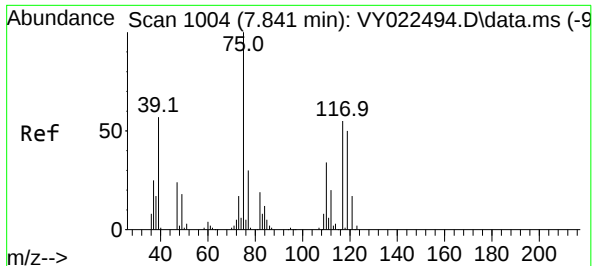
Tgt Ion:114 Resp: 323183
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.026 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion:113 Resp: 94571
Ion Ratio Lower Upper
113 100
111 105.2 81.1 121.7
192 18.1 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.506 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-060525

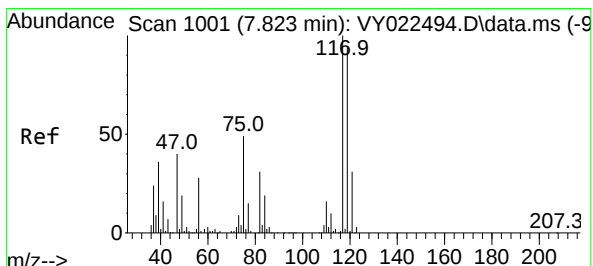
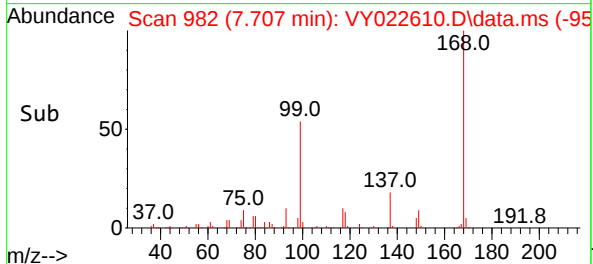
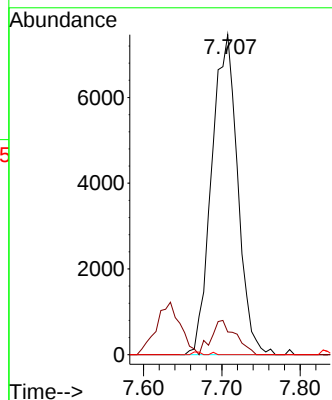
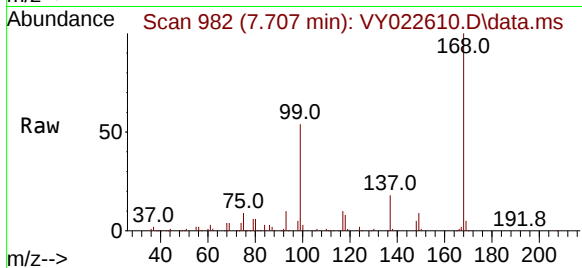
Tgt Ion: 75 Resp: 17238

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.7#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.214 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

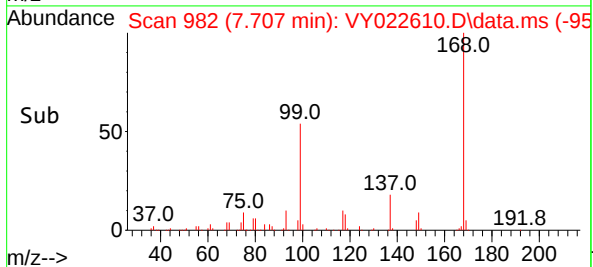
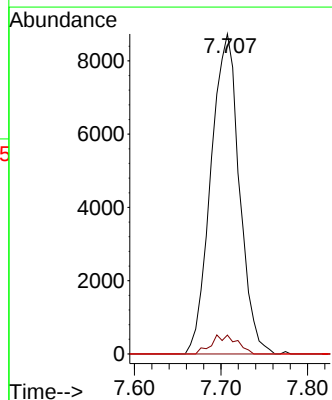
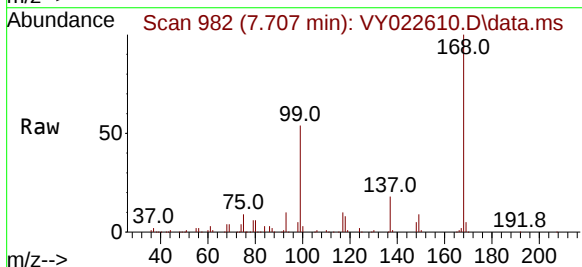
Tgt Ion: 117 Resp: 19959

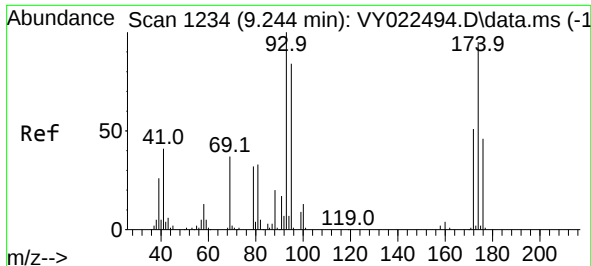
Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.373 ug/l

RT: 9.280 min Scan# 11

Delta R.T. 0.037 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-060525

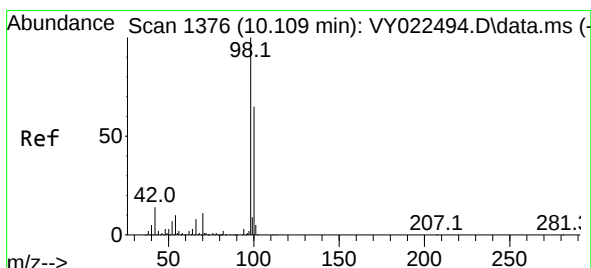
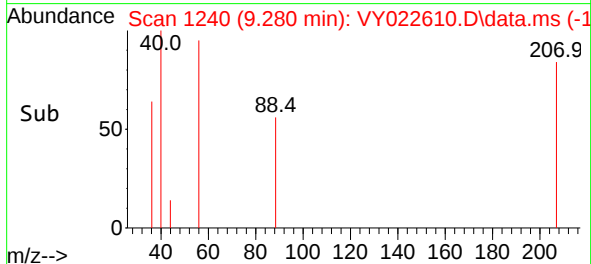
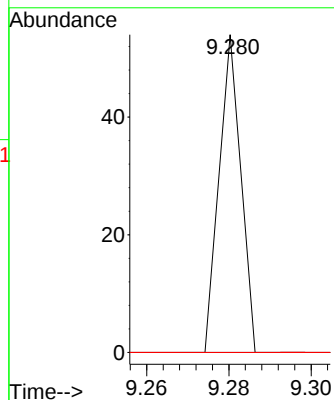
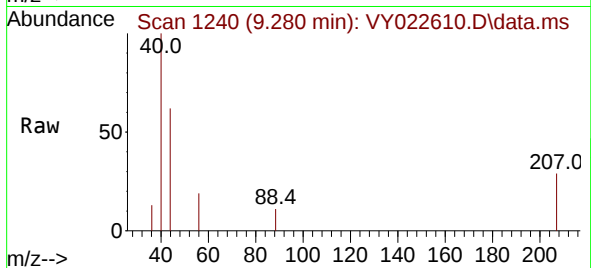
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 49.358 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022610.D

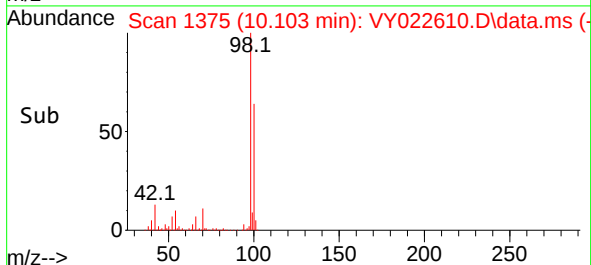
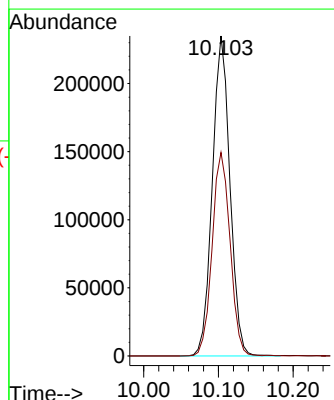
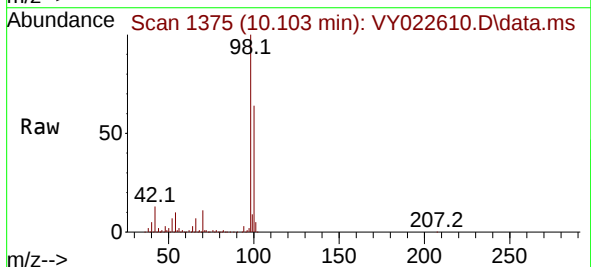
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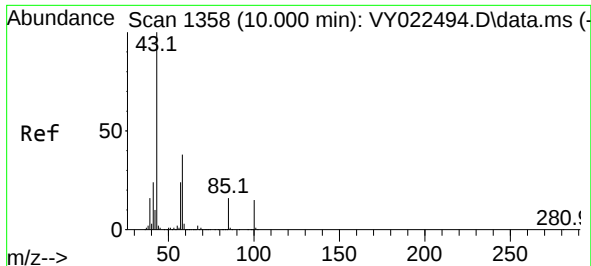
Tgt Ion: 98 Resp: 384720

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0

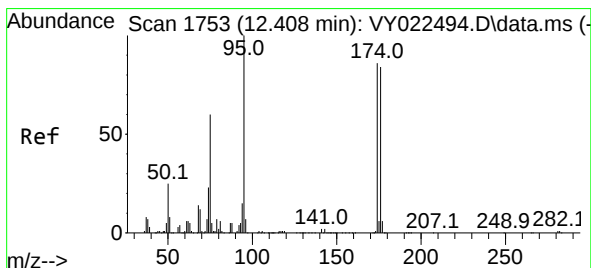
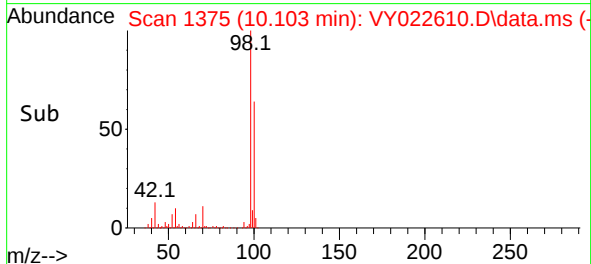
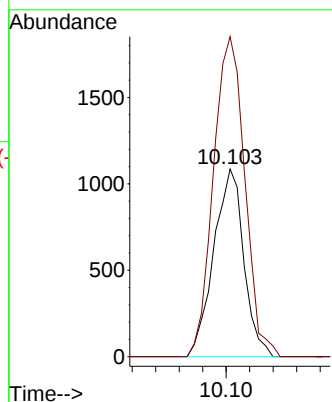
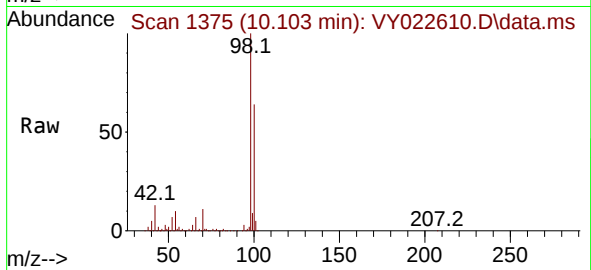




#51
4-Methyl-2-Pentanone
Concen: 1.281 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

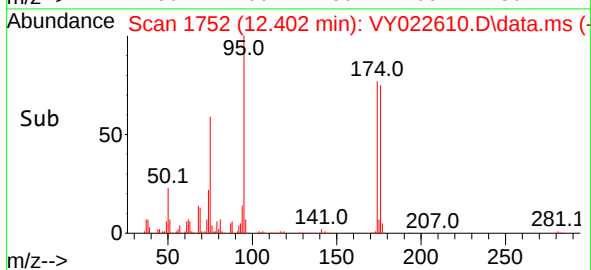
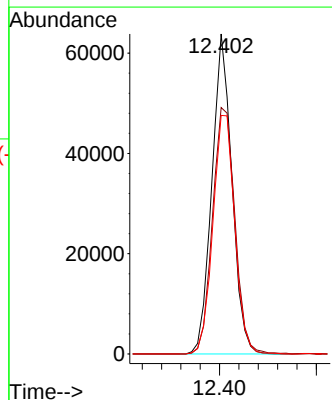
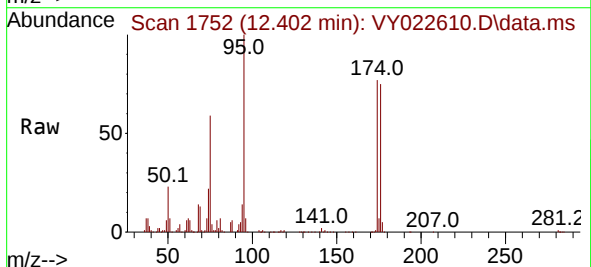
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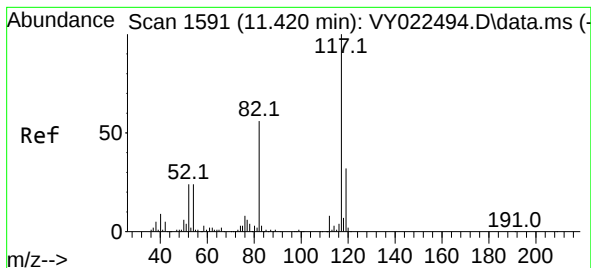
Tgt Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
58 178.4 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 39.388 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022610.D
Acq: 06 Jun 2025 19:11

Tgt Ion: 95 Resp: 91472
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 81.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-060525

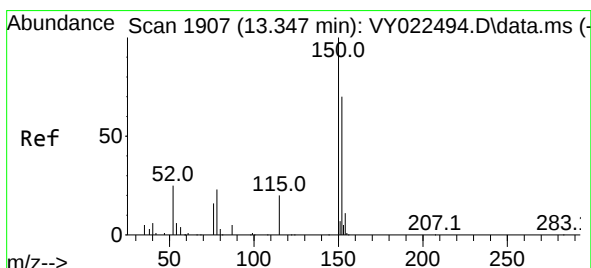
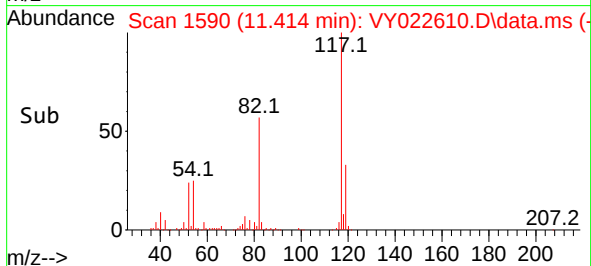
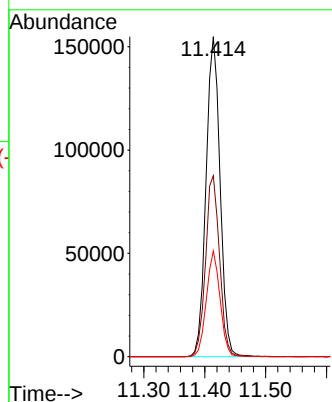
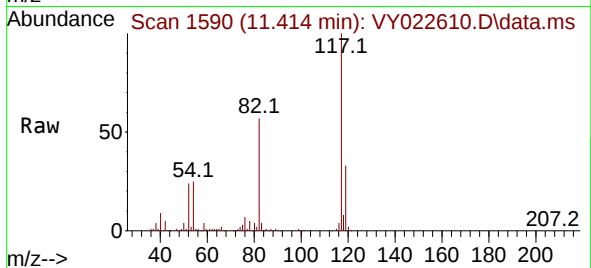
Tgt Ion:117 Resp: 247735

Ion Ratio Lower Upper

117 100

82 56.6 44.6 66.8

119 33.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

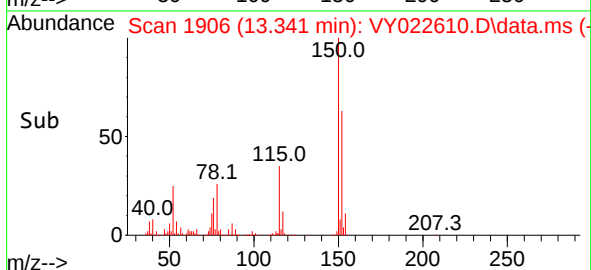
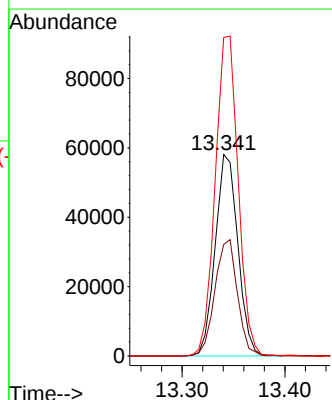
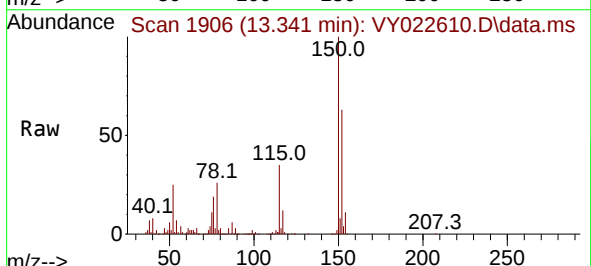
Tgt Ion:152 Resp: 88760

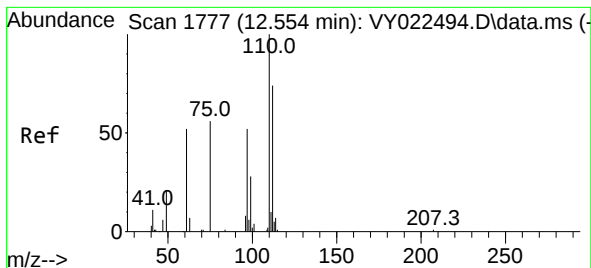
Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 161.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 55.785 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Instrument :

MSVOA_Y

ClientSampleId :

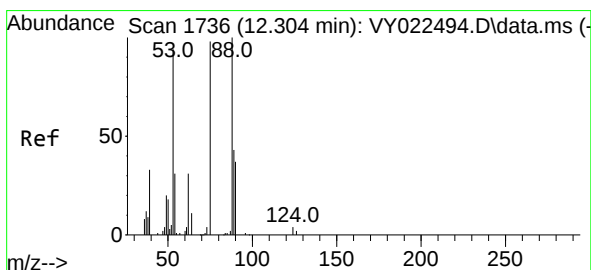
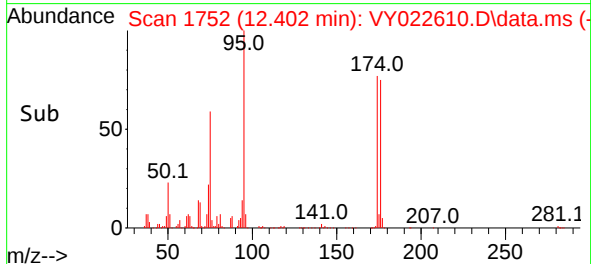
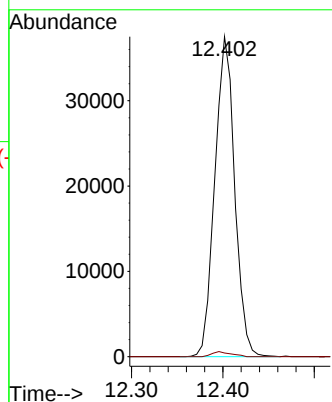
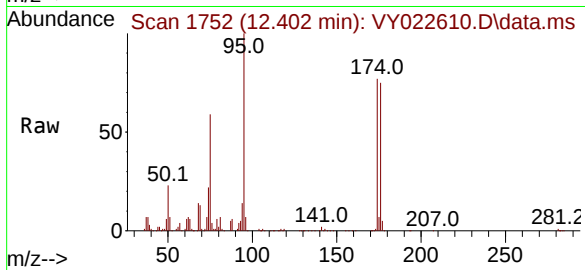
TR-05-060525

Tgt Ion: 75 Resp: 56647

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.718 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022610.D

Acq: 06 Jun 2025 19:11

Tgt Ion: 75 Resp: 56647

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 35.7 53.5#

