

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022806.D
 Acq On : 24 Jun 2025 18:36
 Operator : SY/MD
 Sample : Q2398-03
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 M00-25-0179

Quant Time: Jun 25 01:30:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

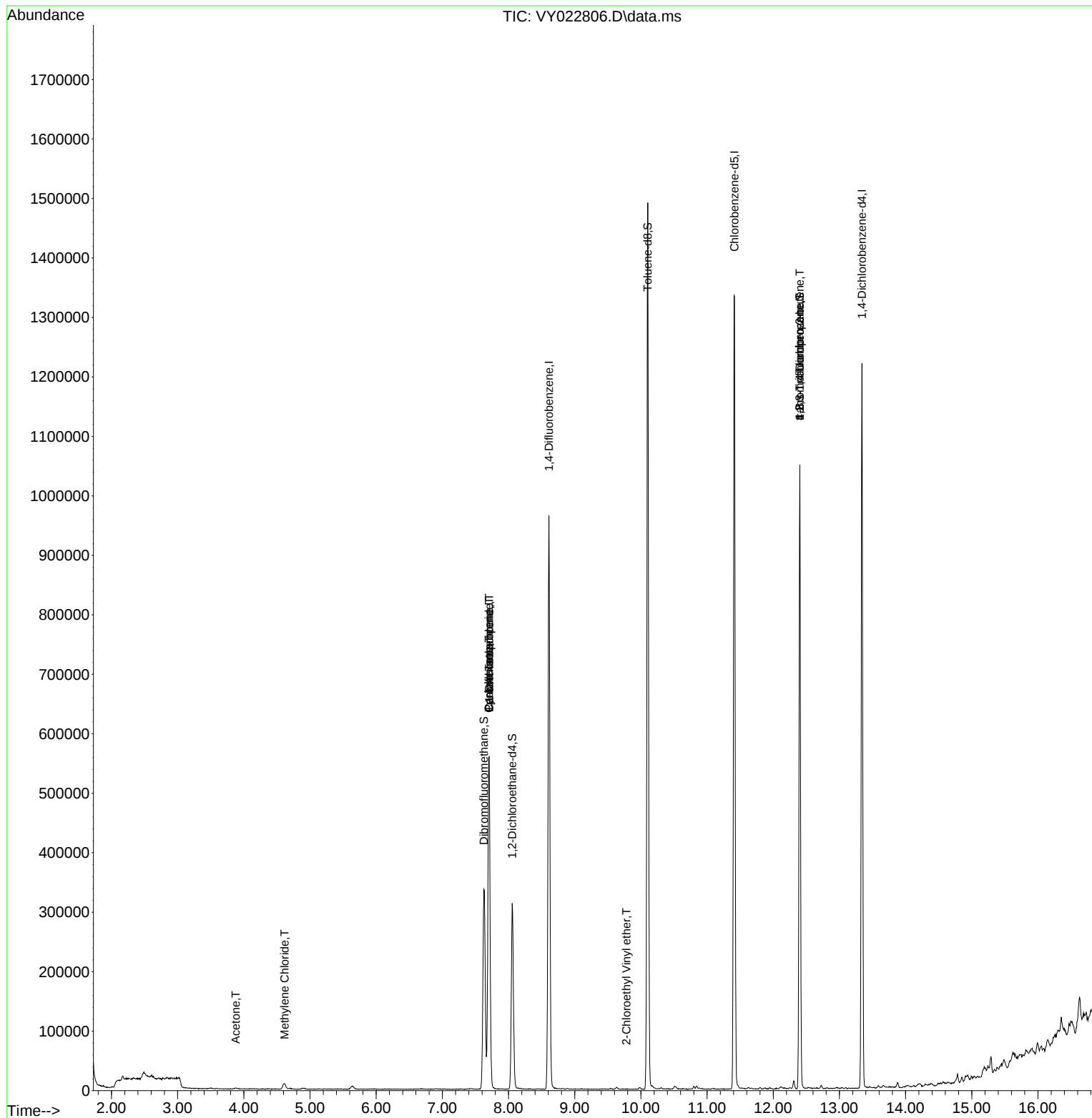
Internal Standards						
1) Pentafluorobenzene	7.707	168	427231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	788249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	707421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	288917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	243165	50.996	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.000%	
35) Dibromofluoromethane	7.628	113	244382	50.979	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.960%	
50) Toluene-d8	10.103	98	936255	49.219	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.440%	
62) 4-Bromofluorobenzene	12.402	95	298459	48.807	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	2097	2.327	ug/l #	84
20) Methylene Chloride	4.616	84	6661	1.170	ug/l	95
31) Cyclohexane	7.701	56	10108	1.234	ug/l #	14
36) 1,1-Dichloropropene	7.707	75	36346	5.002	ug/l #	51
38) Carbon Tetrachloride	7.707	117	43904	5.727	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.780	63	20	15.662	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	170649	57.855	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	170649	146.164	ug/l #	10

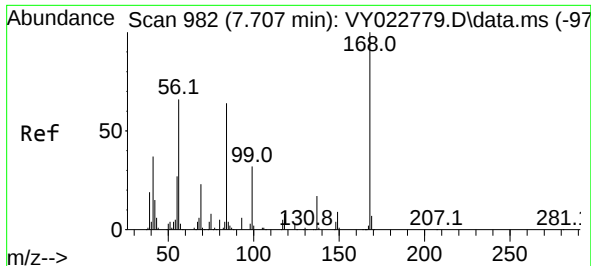
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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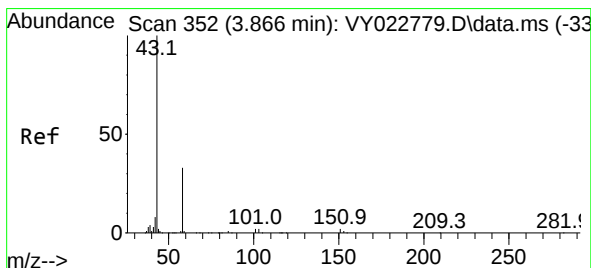
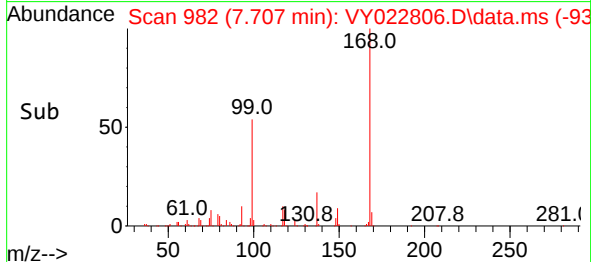
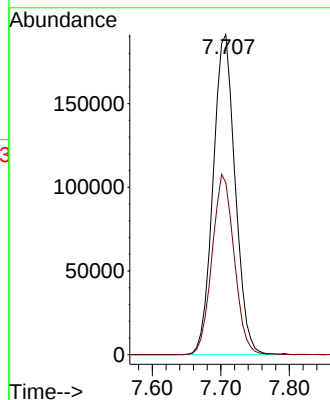
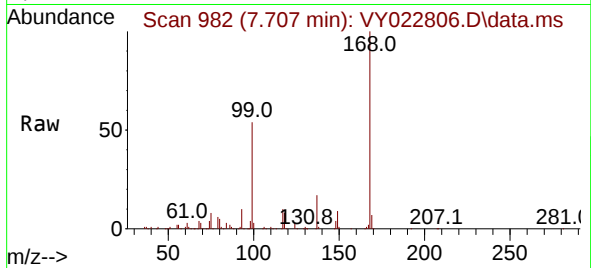




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

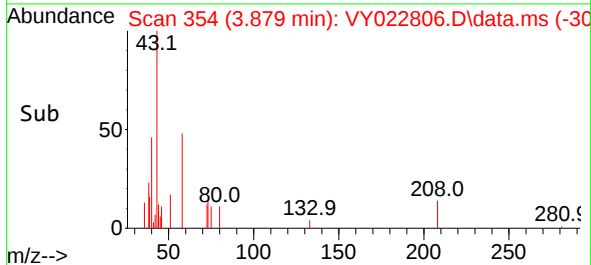
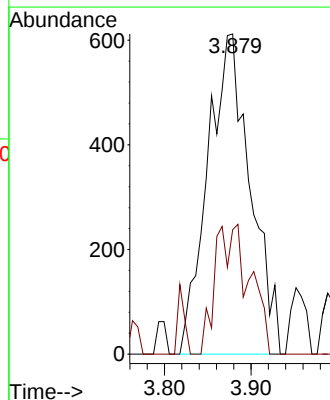
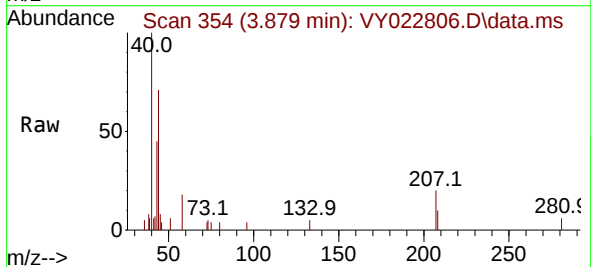
Instrument :
MSVOA_Y
ClientSampleId :
M00-25-0179

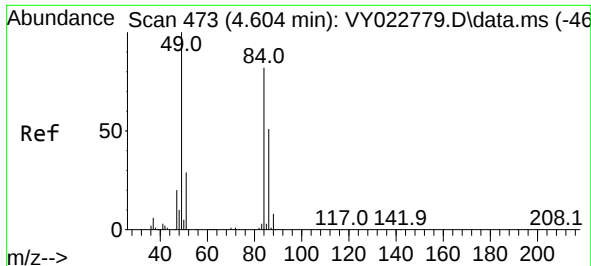
Tgt Ion:168 Resp: 427231
Ion Ratio Lower Upper
168 100
99 53.7 44.3 66.5



#16
Acetone
Concen: 2.327 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

Tgt Ion: 43 Resp: 2097
Ion Ratio Lower Upper
43 100
58 38.9 24.0 36.0#

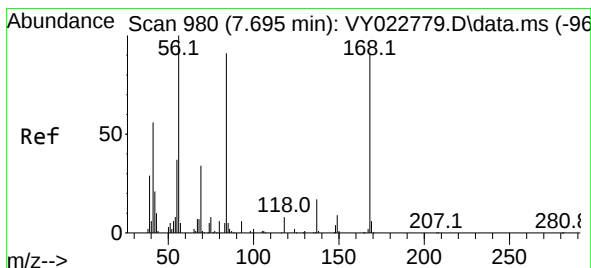
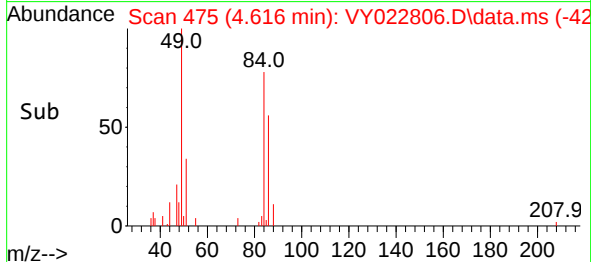
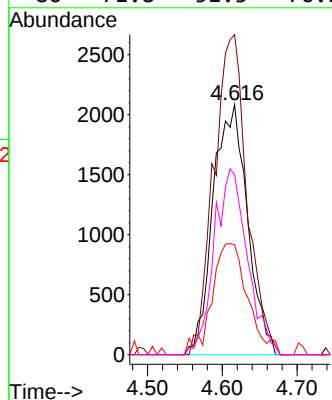
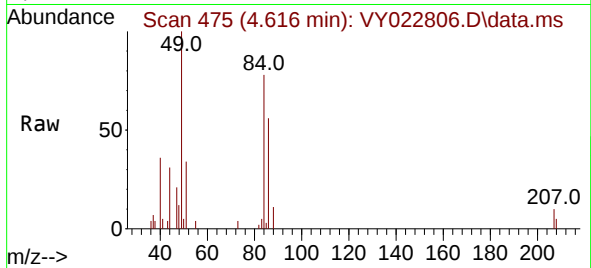




#20
Methylene Chloride
Concen: 1.170 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

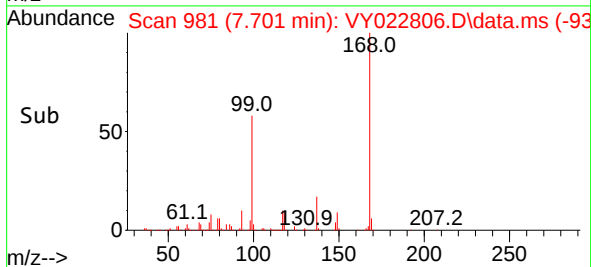
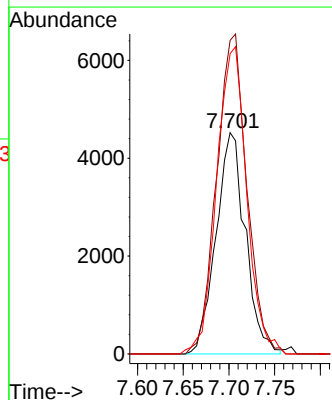
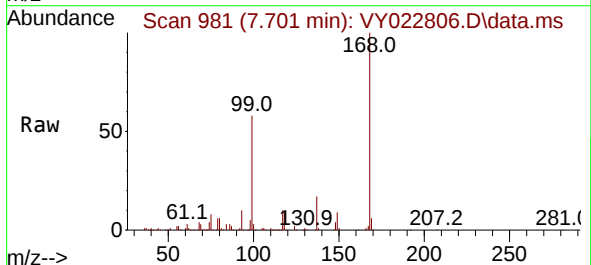
Instrument :
MSVOA_Y
ClientSampleId :
M00-25-0179

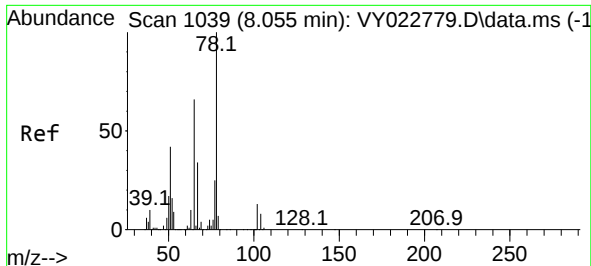
Tgt Ion:	84	Resp:	6661
Ion	Ratio	Lower	Upper
84	100		
49	127.9	101.9	152.9
51	43.9	29.8	44.8
86	71.8	51.3	76.9



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

Tgt Ion:	56	Resp:	10108
Ion	Ratio	Lower	Upper
56	100		
69	141.8	27.0	40.6#
84	135.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.996 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

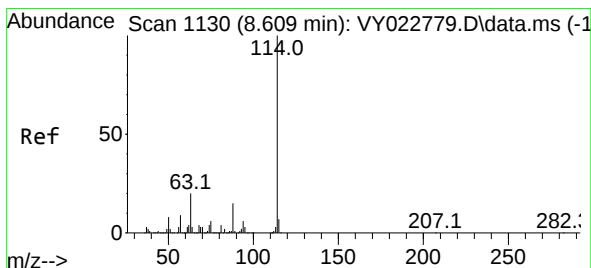
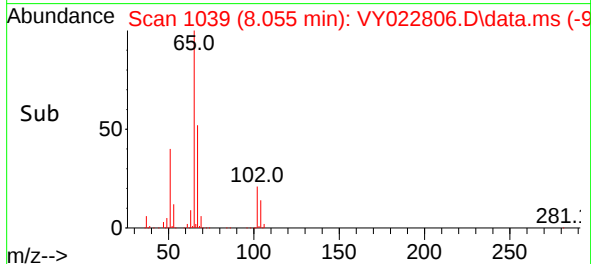
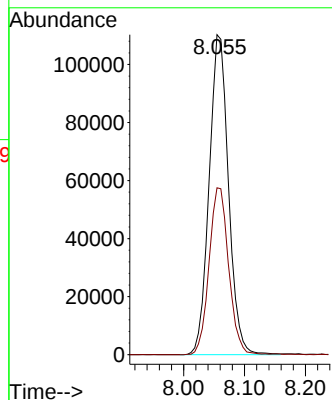
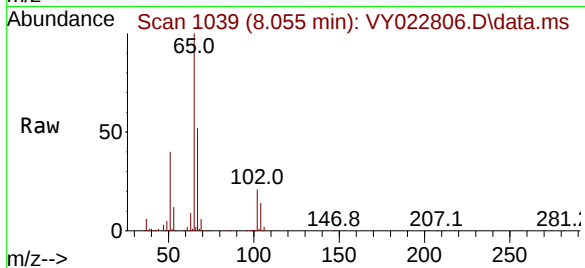
M00-25-0179

Tgt Ion: 65 Resp: 243165

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

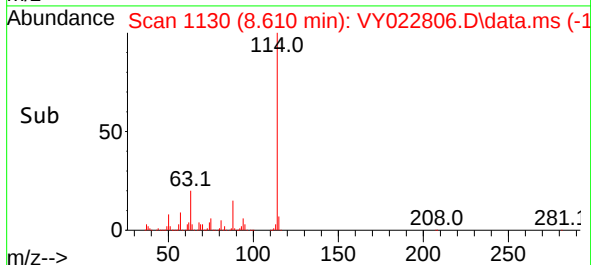
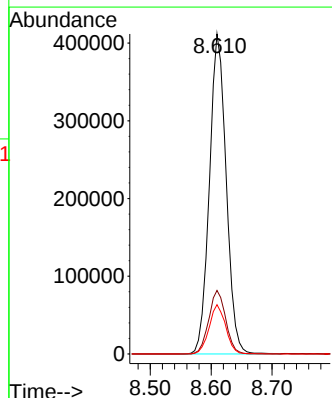
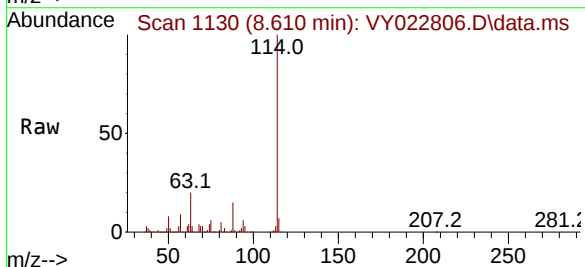
Tgt Ion: 114 Resp: 788249

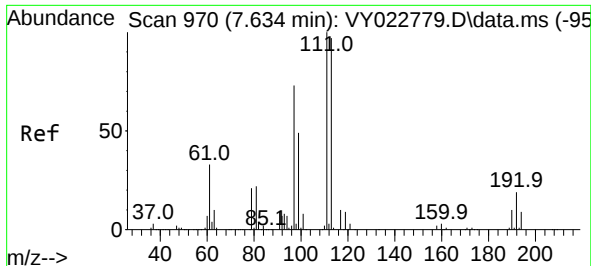
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8

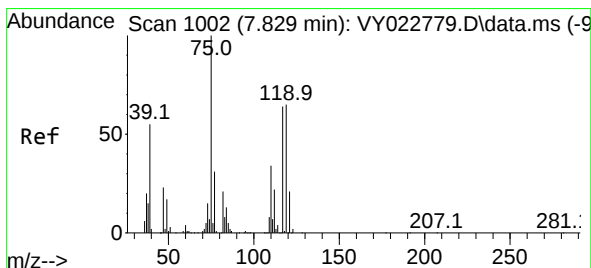
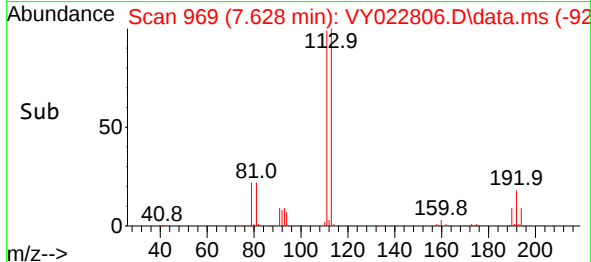
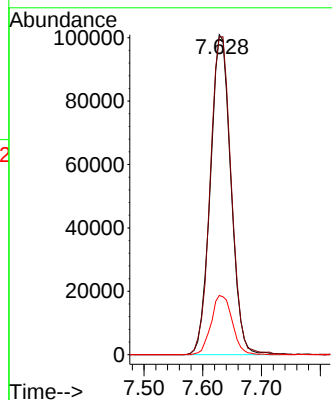
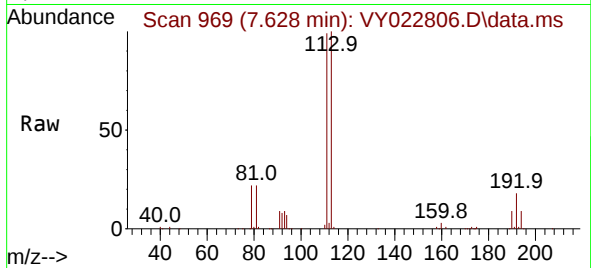




#35
 Dibromofluoromethane
 Concen: 50.979 ug/l
 RT: 7.628 min Scan# 911
 Delta R.T. -0.012 min
 Lab File: VY022806.D
 Acq: 24 Jun 2025 18:36

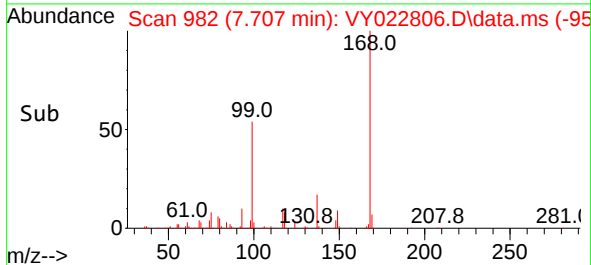
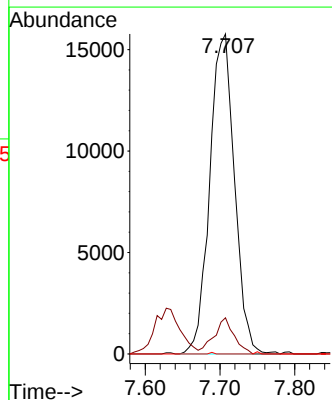
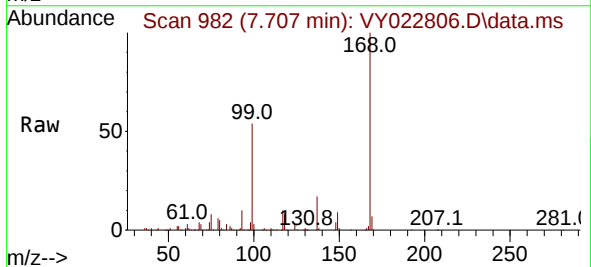
Instrument :
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 ClientSampleId :
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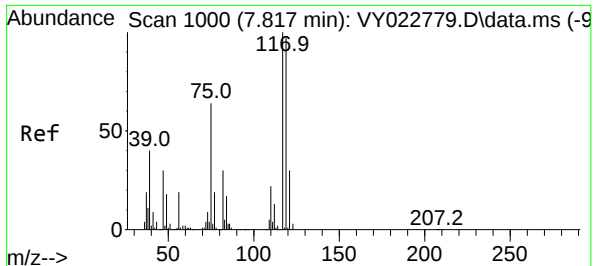
Tgt Ion:113 Resp: 244382
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.1 121.7
 192 19.1 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 5.002 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.134 min
 Lab File: VY022806.D
 Acq: 24 Jun 2025 18:36

Tgt Ion: 75 Resp: 36346
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.7#
 77 0.1 24.8 37.2#

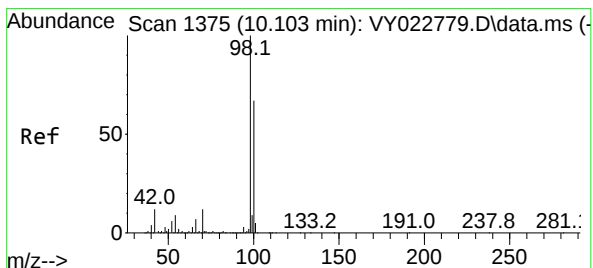
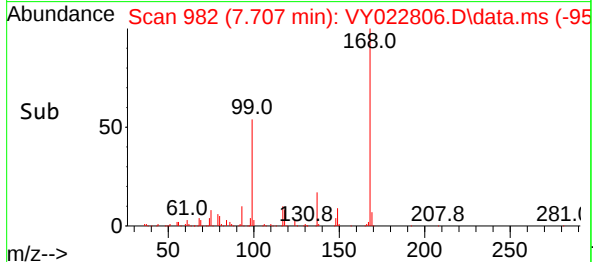
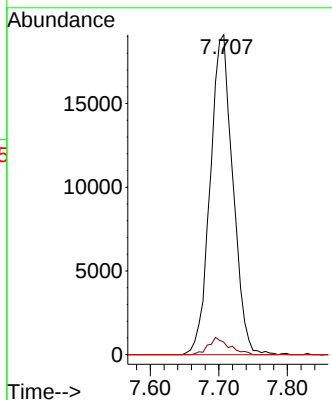
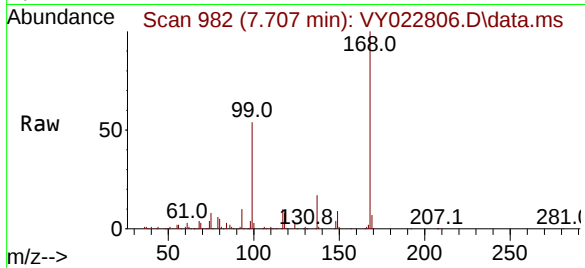




#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

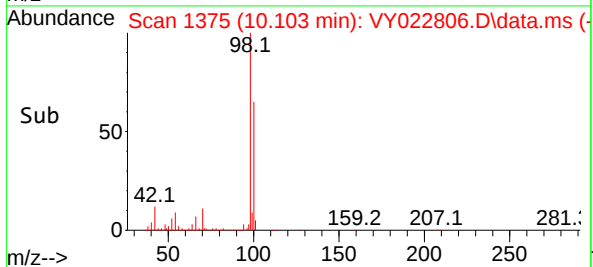
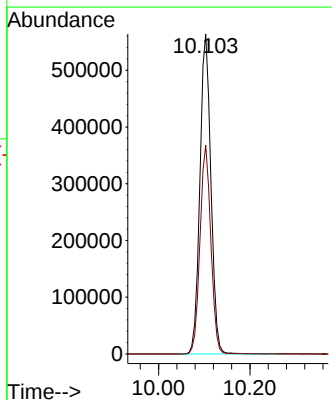
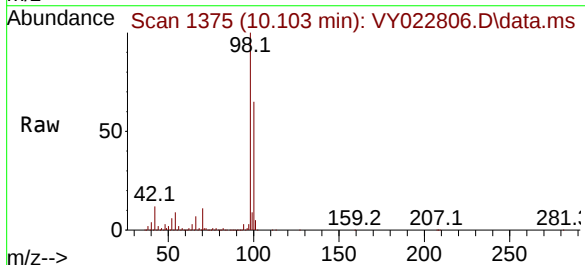
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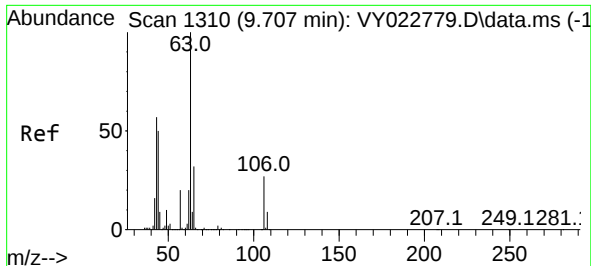
Tgt Ion:117 Resp: 43904
Ion Ratio Lower Upper
117 100
119 3.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.219 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

Tgt Ion: 98 Resp: 936255
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

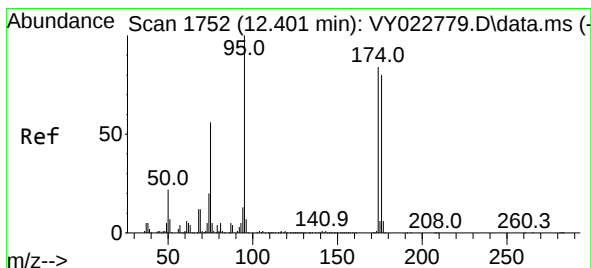
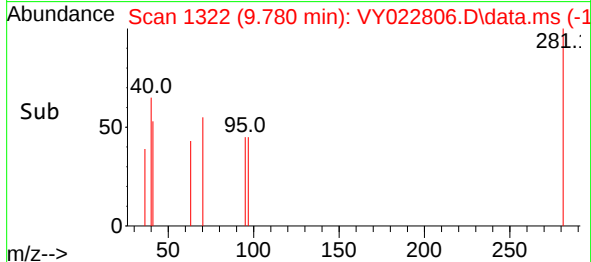
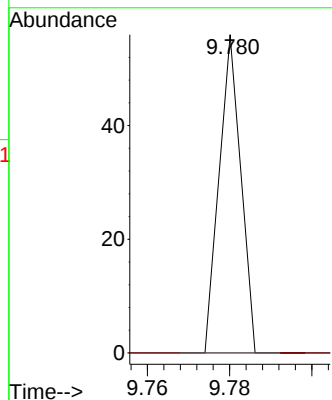
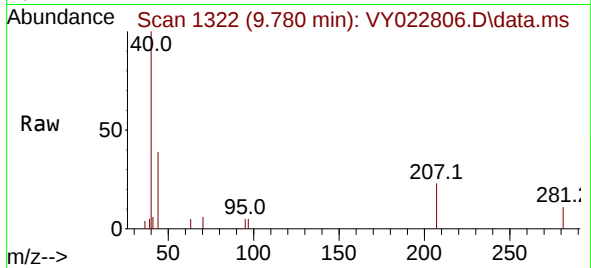




#58
2-Chloroethyl Vinyl ether
Concen: 15.662 ug/l
RT: 9.780 min Scan# 1310
Delta R.T. 0.067 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

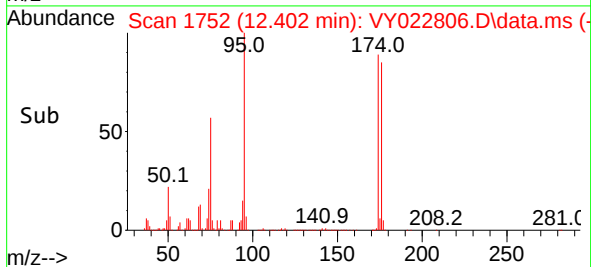
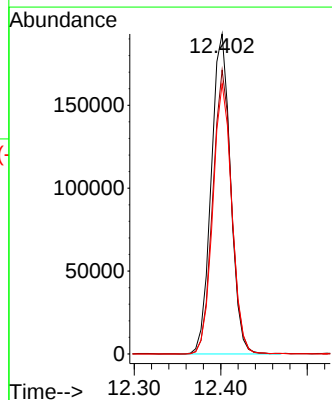
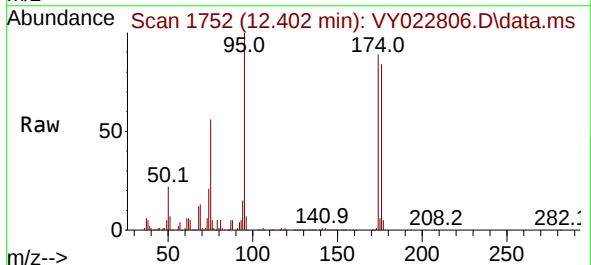
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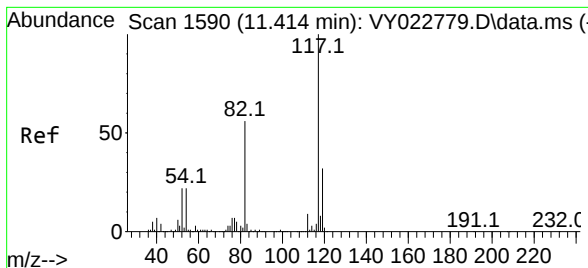
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 48.807 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022806.D
Acq: 24 Jun 2025 18:36

Tgt Ion: 95 Resp: 298459
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.0
176 83.4 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: VY022806.D

Acq: 24 Jun 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

M00-25-0179

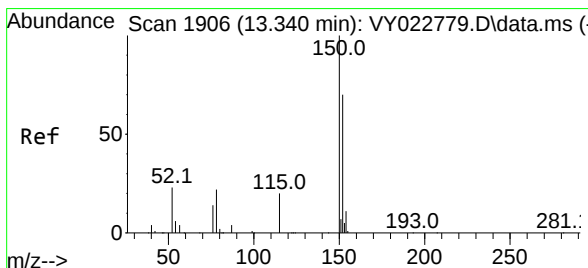
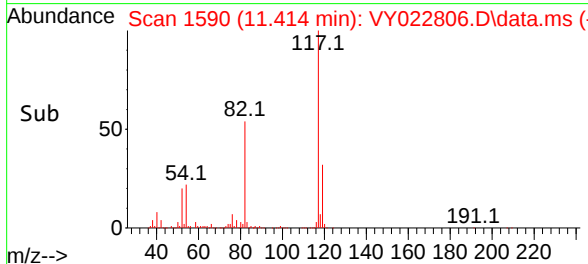
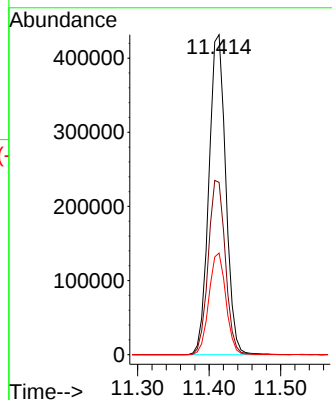
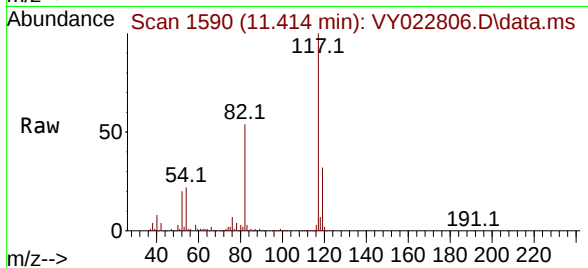
Tgt Ion:117 Resp: 707421

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

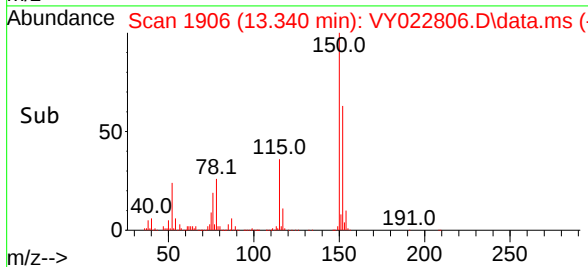
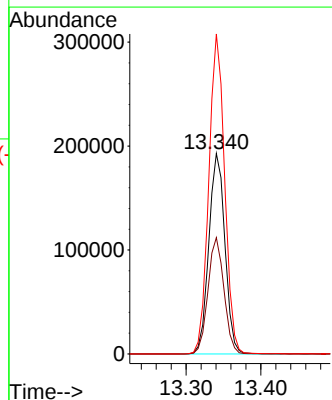
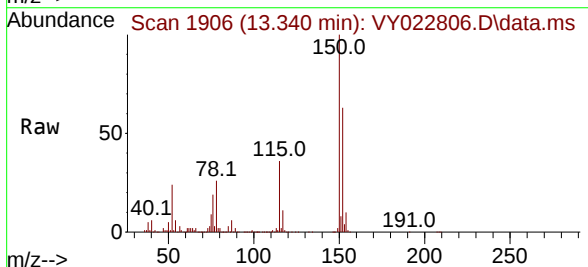
Tgt Ion:152 Resp: 288917

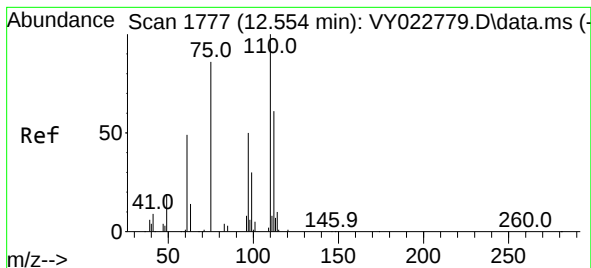
Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 157.1 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 57.855 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

Instrument :

MSVOA_Y

ClientSampleId :

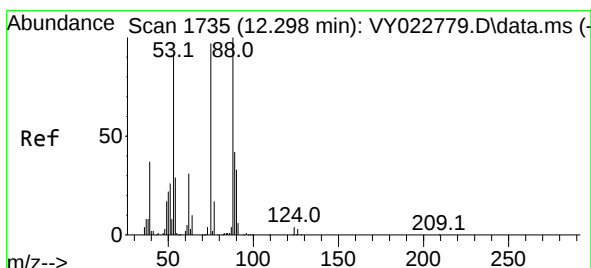
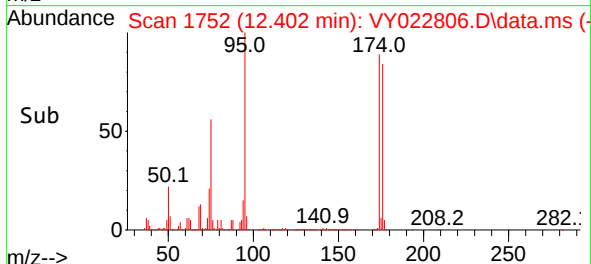
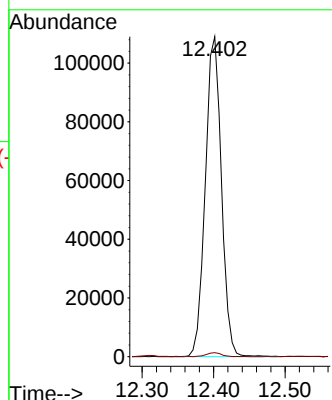
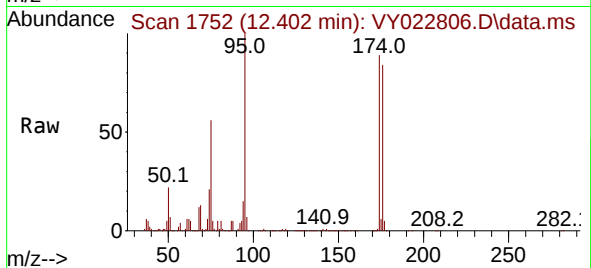
M00-25-0179

Tgt Ion: 75 Resp: 170649

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.164 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022806.D

Acq: 24 Jun 2025 18:36

Tgt Ion: 75 Resp: 170649

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 35.7 53.5#

