

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022897.D
 Acq On : 01 Jul 2025 13:20
 Operator : SY/MD
 Sample : Q2458-03
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-68

Quant Time: Jul 02 02:46:56 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)

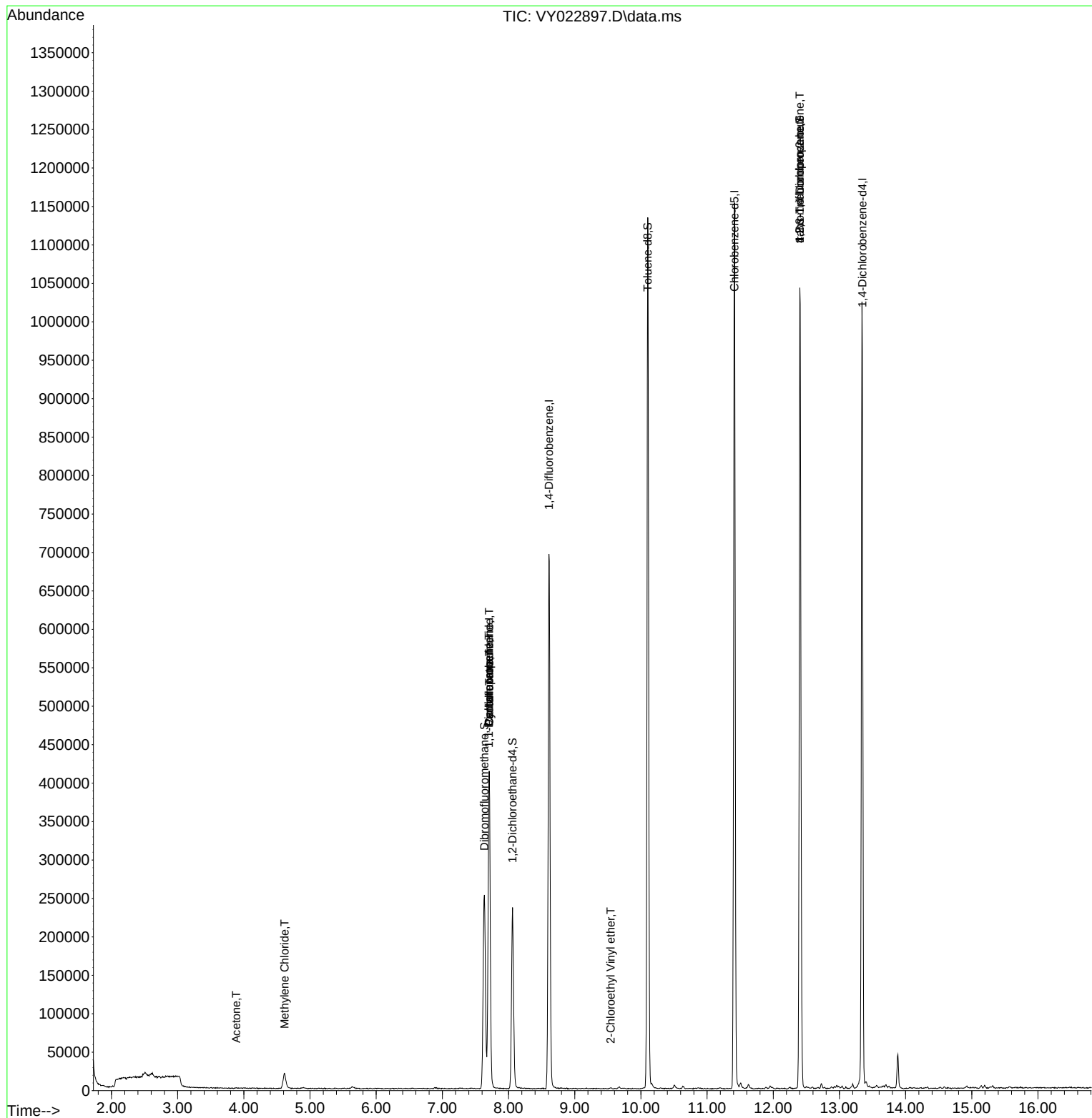
Internal Standards						
1) Pentafluorobenzene	7.707	168	309337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	580195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	251388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176384	51.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.180%	
35) Dibromofluoromethane	7.634	113	184079	52.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.103	98	716167	51.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.402	95	256602	57.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.020%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	826	1.266	ug/l	97
20) Methylene Chloride	4.616	84	13024	3.160	ug/l #	96
31) Cyclohexane	7.707	56	8052	1.358	ug/l #	30
36) 1,1-Dichloropropene	7.701	75	26007	4.863	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31293	5.545	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.542	63	42	15.675	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	149448	58.231	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	149448	147.115	ug/l #	11

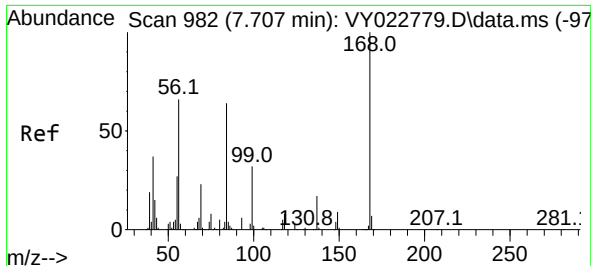
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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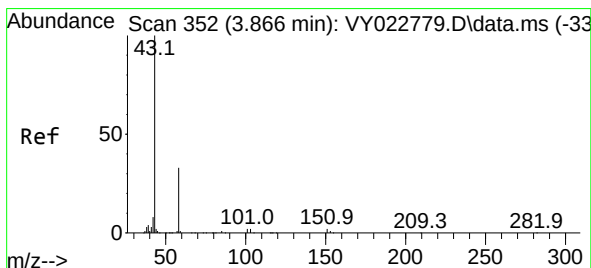
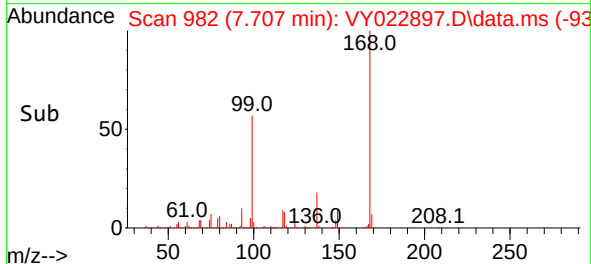
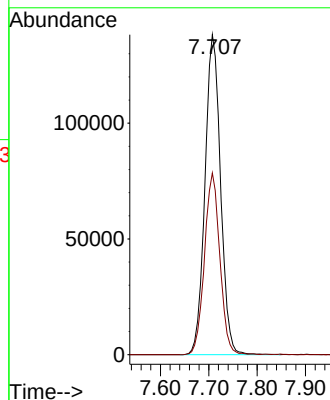
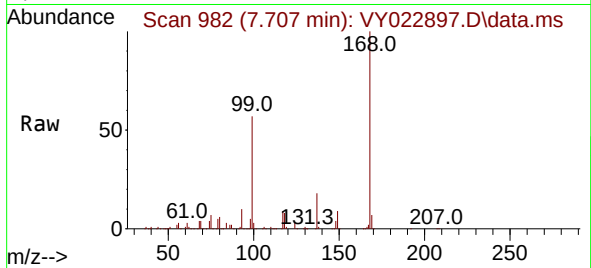




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

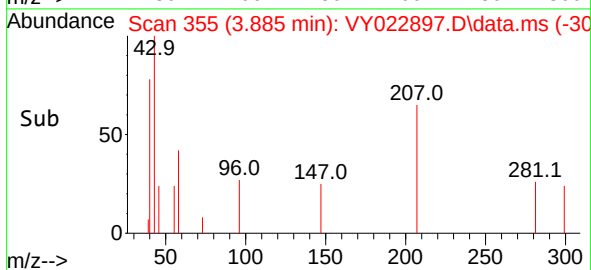
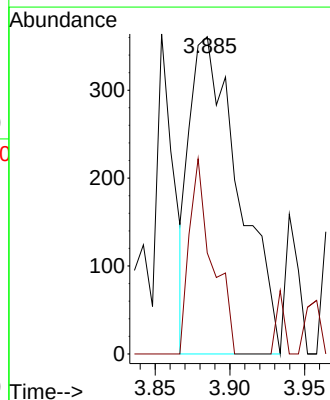
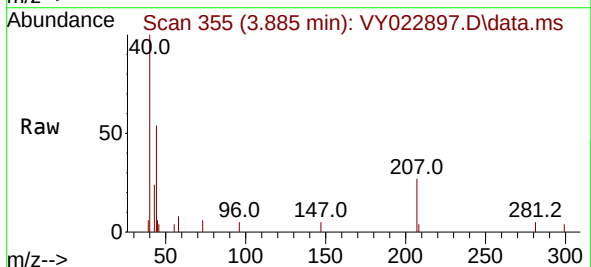
Instrument :
MSVOA_Y
ClientSampleId :
TP-68

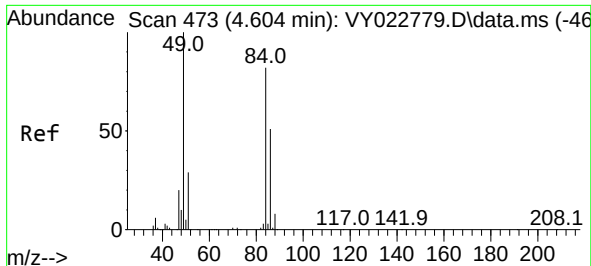
Tgt Ion:168 Resp: 309337
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#16
Acetone
Concen: 1.266 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 31.9 24.0 36.0

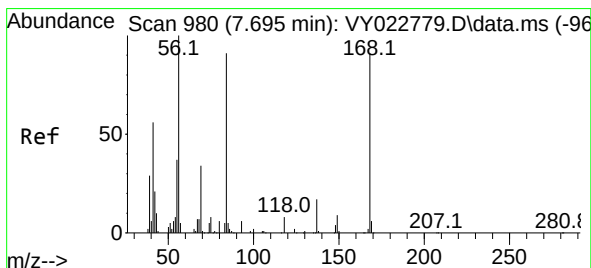
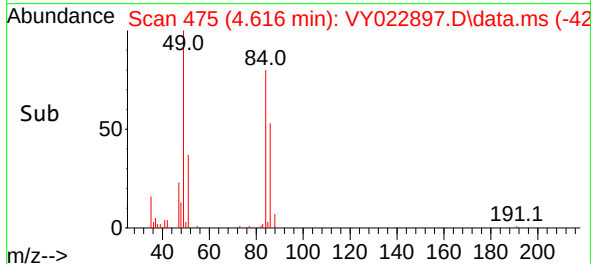
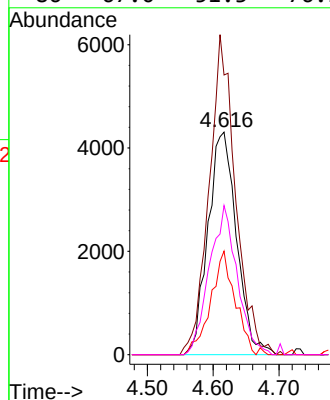
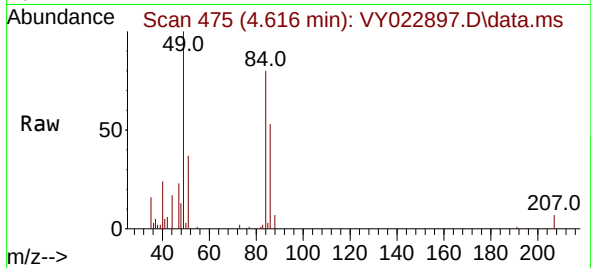




#20
Methylene Chloride
Concen: 3.160 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

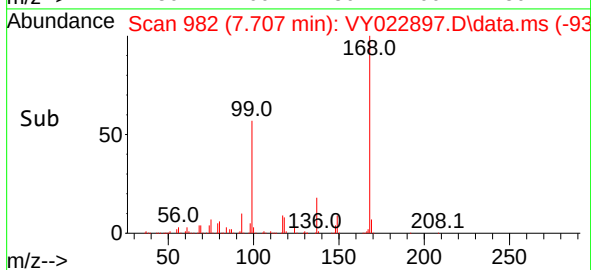
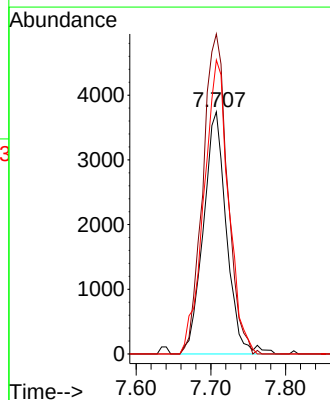
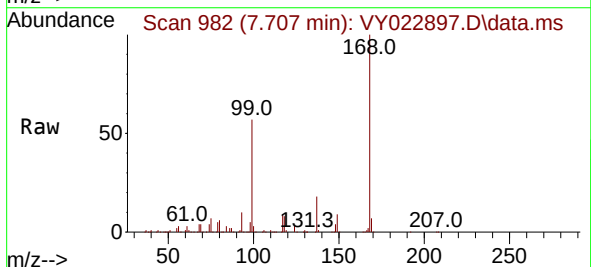
Instrument :
MSVOA_Y
ClientSampleId :
TP-68

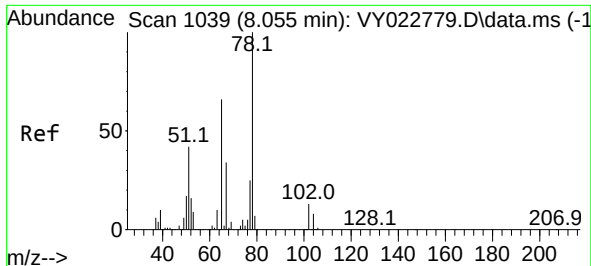
Tgt Ion:	84	Resp:	13024
Ion	Ratio	Lower	Upper
84	100		
49	125.6	101.9	152.9
51	46.5	29.8	44.8#
86	67.0	51.3	76.9



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion:	56	Resp:	8052
Ion	Ratio	Lower	Upper
56	100		
69	132.2	27.0	40.6#
84	121.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.089 ug/l

RT: 8.061 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY022897.D

Acq: 01 Jul 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

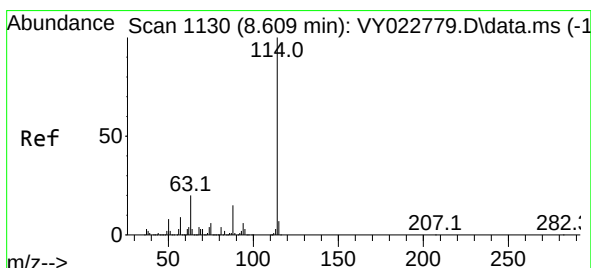
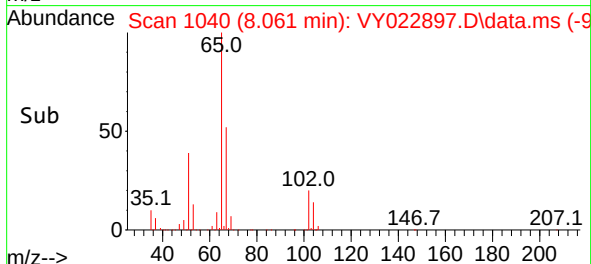
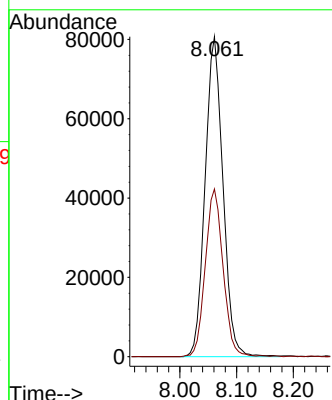
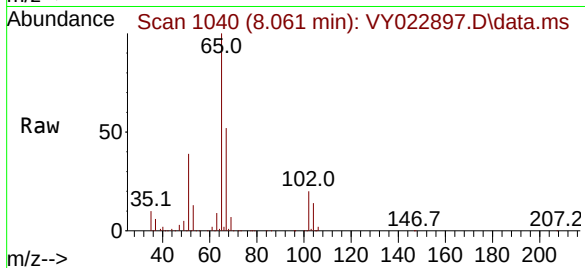
TP-68

Tgt Ion: 65 Resp: 176384

Ion Ratio Lower Upper

65 100

67 52.0 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: VY022897.D

Acq: 01 Jul 2025 13:20

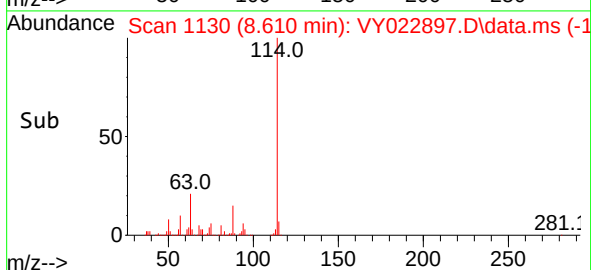
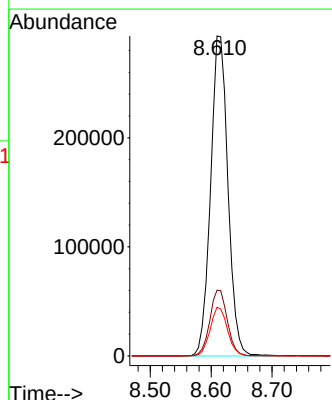
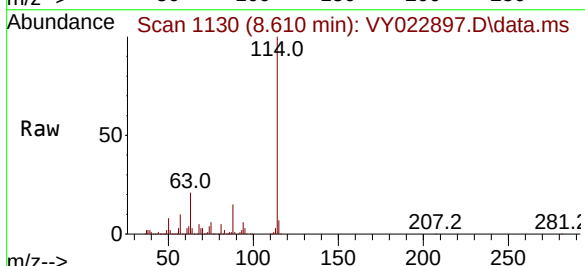
Tgt Ion: 114 Resp: 580195

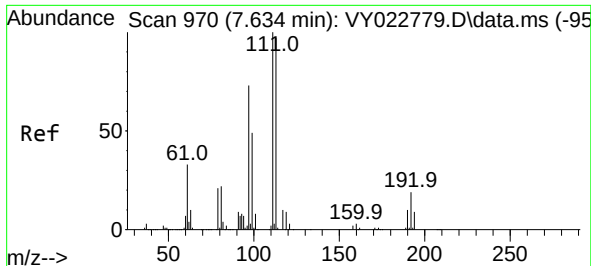
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.2 0.0 27.8

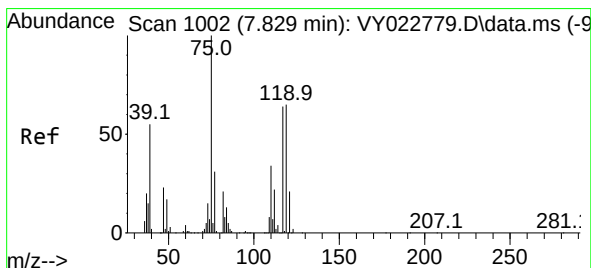
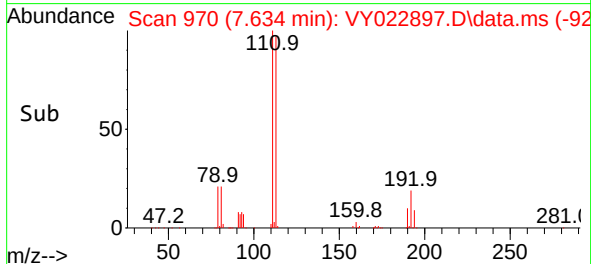
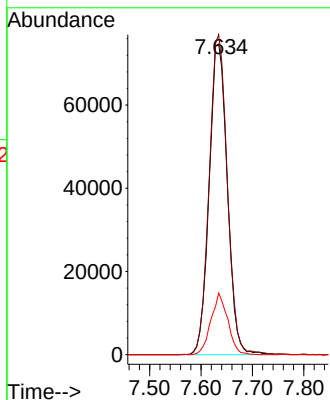
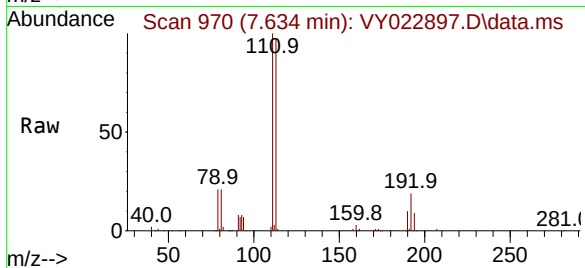




#35
Dibromofluoromethane
Concen: 52.170 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

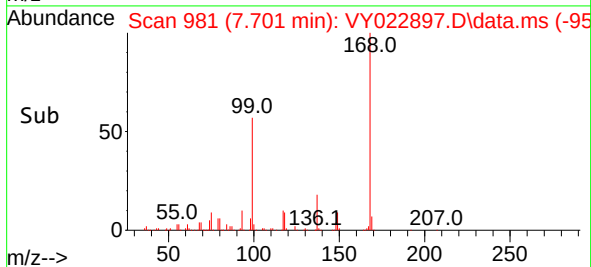
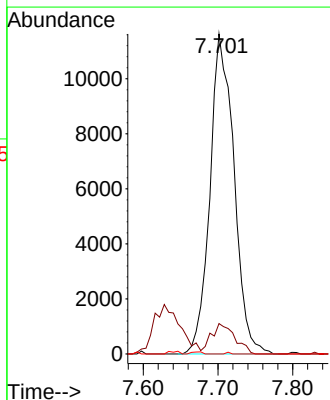
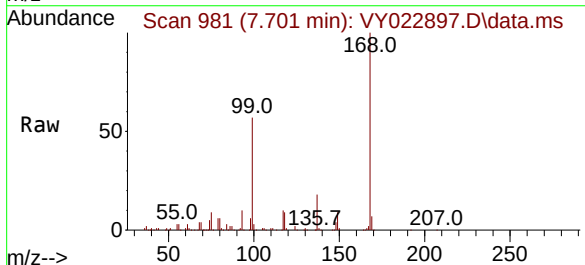
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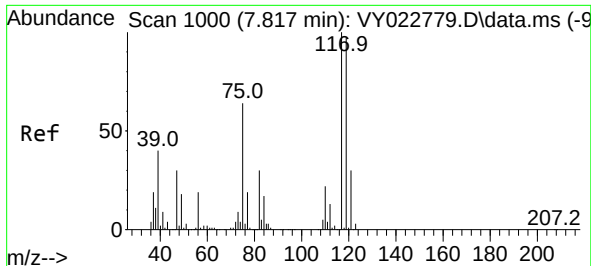
Tgt Ion:113 Resp: 184079
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.863 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 75 Resp: 26007
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.7#
77 0.1 24.8 37.2#

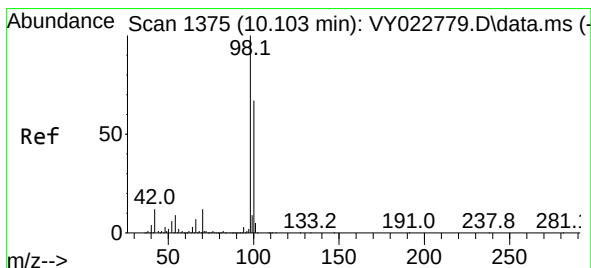
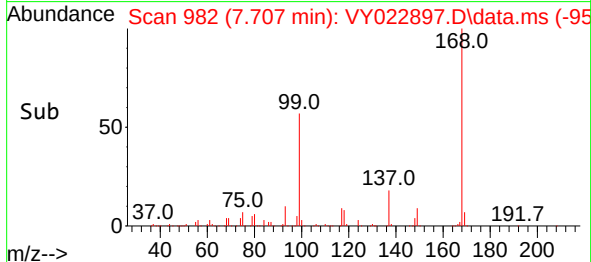
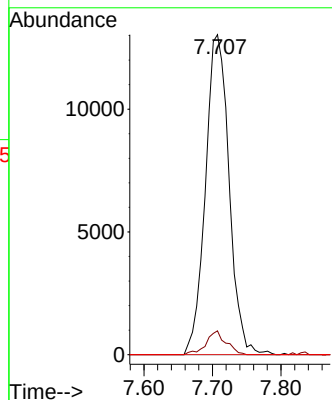
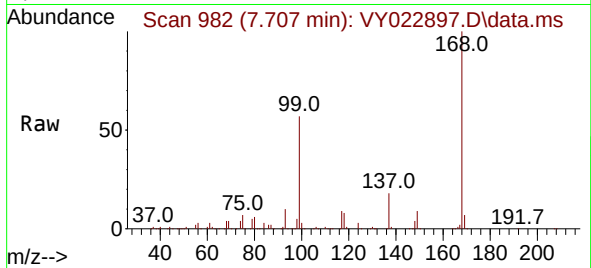




#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.707 min Scan# 912
Delta R.T. -0.116 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

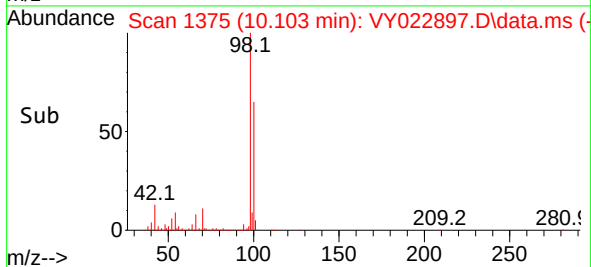
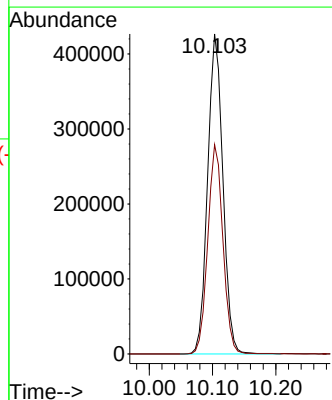
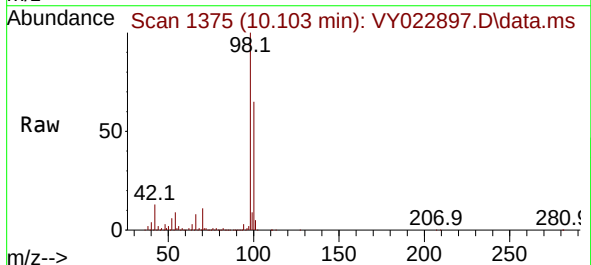
Instrument :
MSVOA_Y
ClientSampleId :
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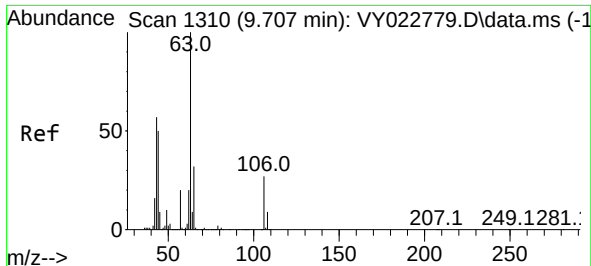
Tgt Ion:117 Resp: 31293
Ion Ratio Lower Upper
117 100
119 7.4 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.149 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 98 Resp: 716167
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

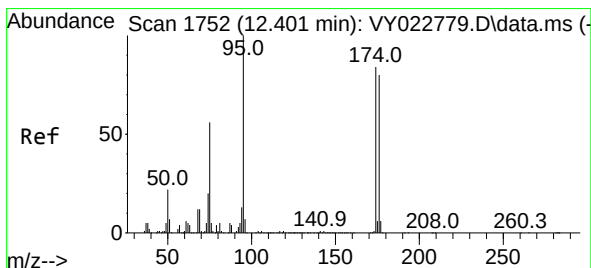
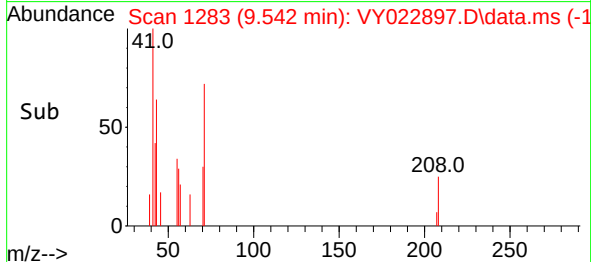
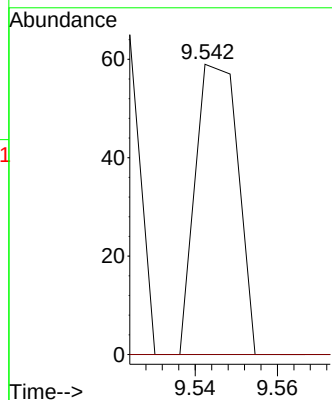
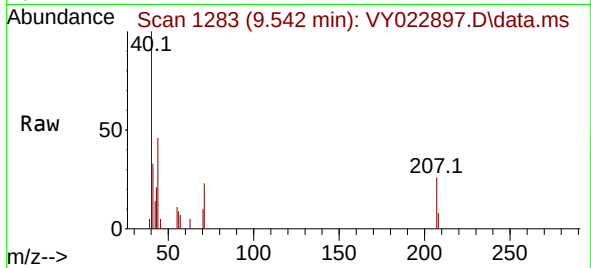




#58
2-Chloroethyl Vinyl ether
Concen: 15.675 ug/l
RT: 9.542 min Scan# 11
Delta R.T. -0.171 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

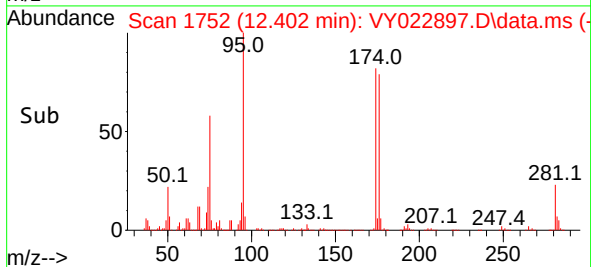
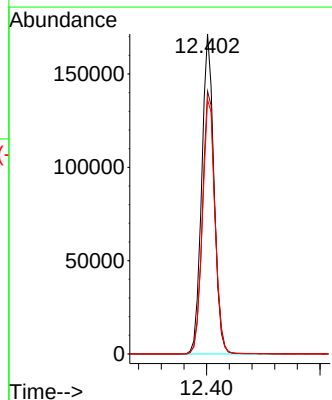
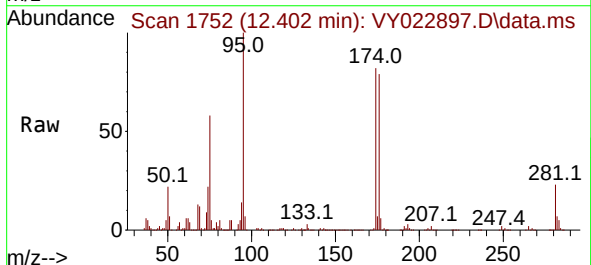
Instrument :
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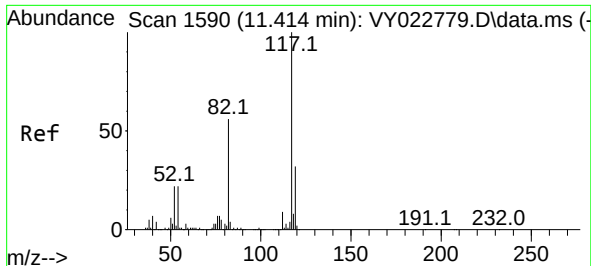
Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 57.010 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 95 Resp: 256602
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 81.4 0.0 166.2

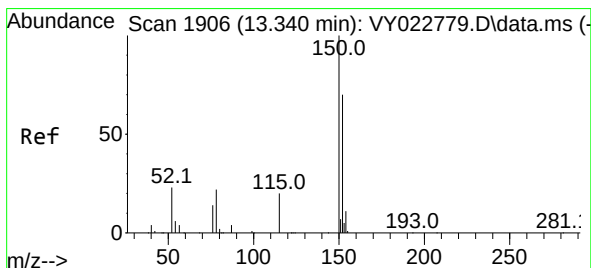
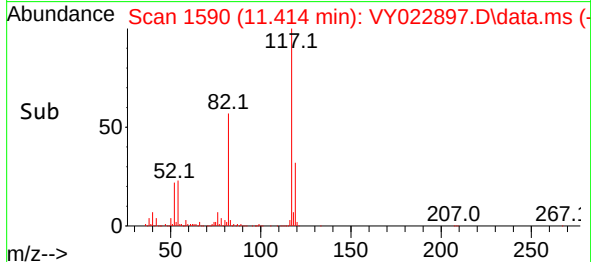
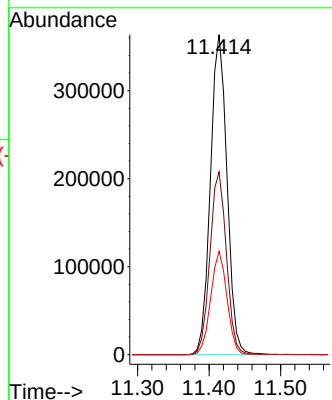
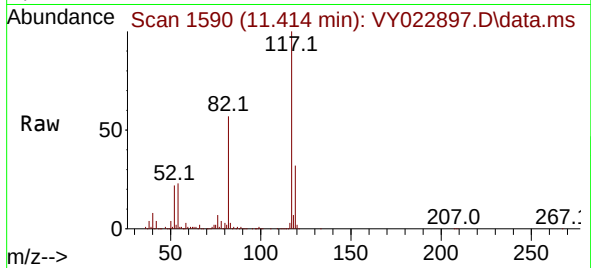




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

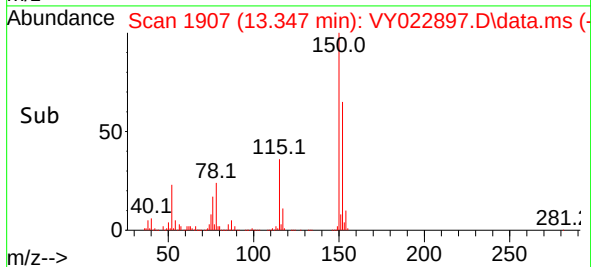
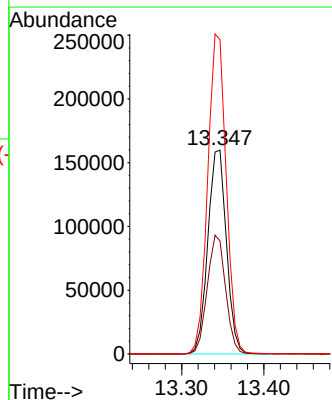
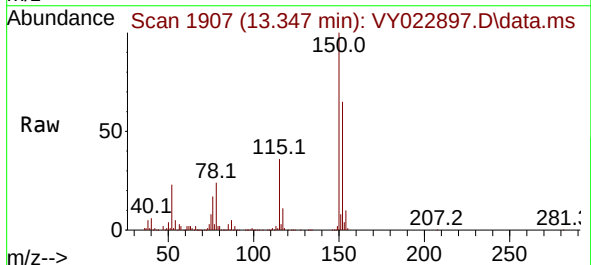
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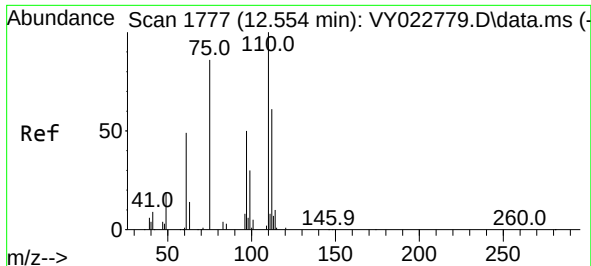
Tgt Ion:117 Resp: 586876
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion:152 Resp: 251388
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 155.8 0.0 349.6

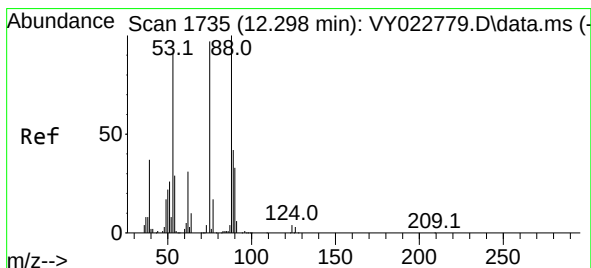
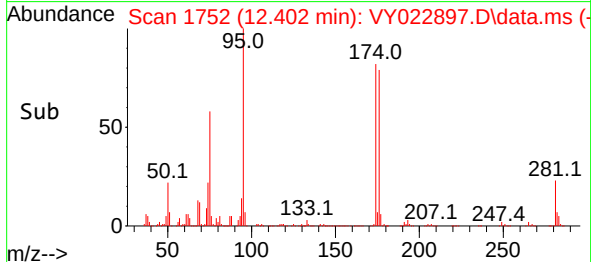
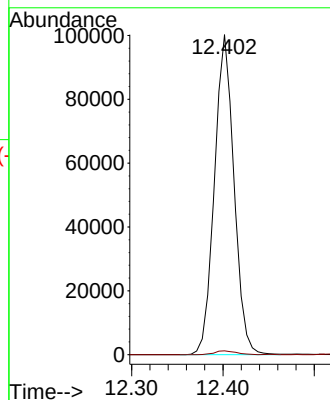
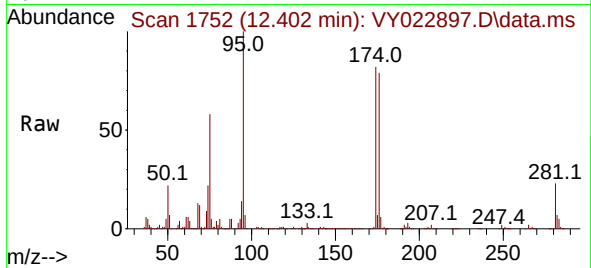




#76
1,2,3-Trichloropropane
Concen: 58.231 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
TP-68

Tgt Ion: 75 Resp: 149448
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.115 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 75 Resp: 149448
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.7 35.7 53.5#

