

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022952.D
 Acq On : 07 Jul 2025 12:04
 Operator : SY/MD
 Sample : Q2513-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-3-070325

Quant Time: Jul 08 01:45:29 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)

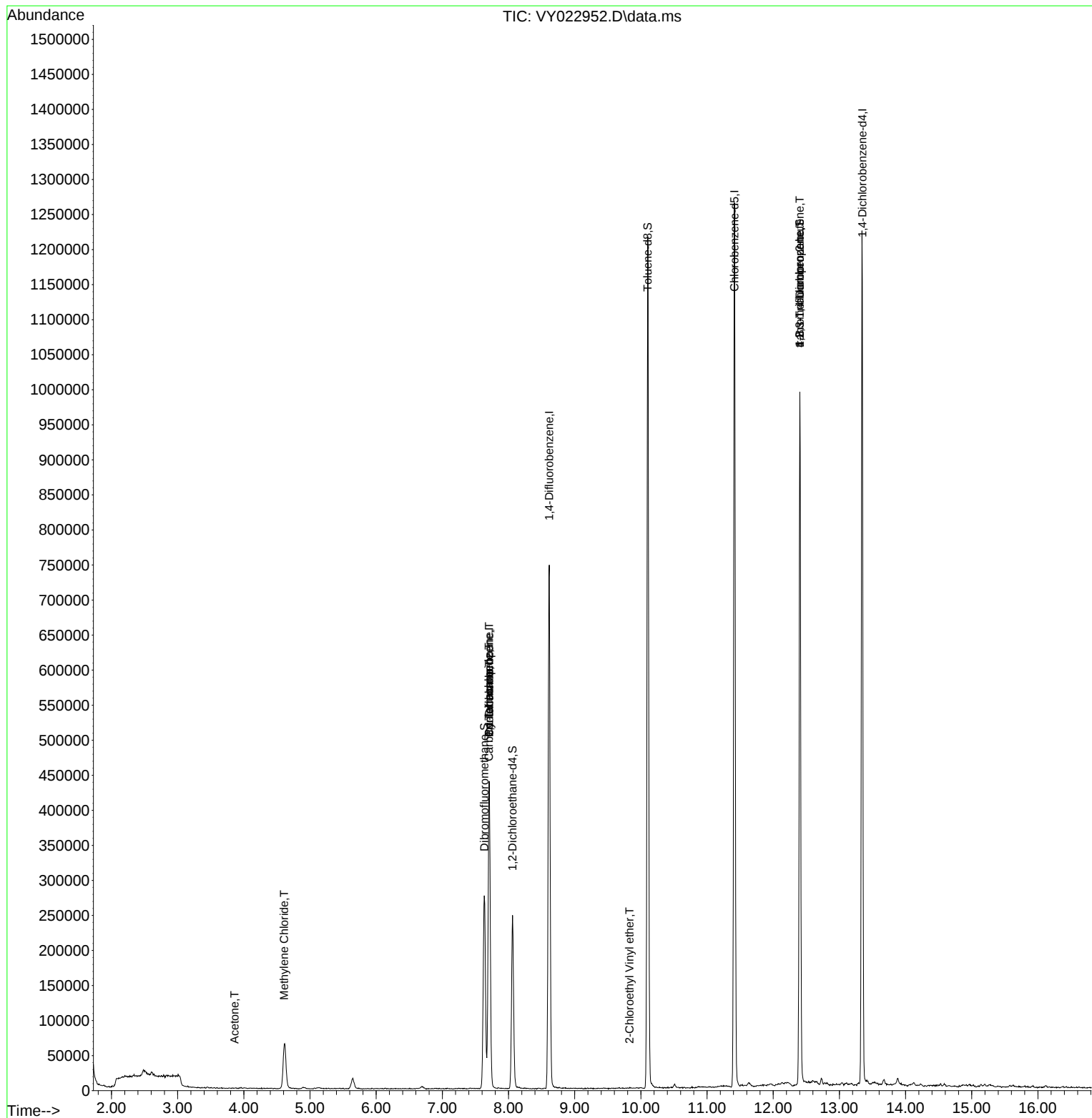
Internal Standards						
1) Pentafluorobenzene	7.707	168	332185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	623198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	291953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188649	50.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.760%	
35) Dibromofluoromethane	7.634	113	195319	51.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.103	98	774740	51.515	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.402	95	287112	59.387	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.780%	
Target Compounds						Qvalue
16) Acetone	3.860	43	1238	1.767	ug/l #	69
20) Methylene Chloride	4.610	84	48298	10.914	ug/l	95
31) Cyclohexane	7.707	56	8467	1.330	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	28056	4.884	ug/l #	50
38) Carbon Tetrachloride	7.701	117	33387	5.508	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.829	63	32	15.669	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	161634	54.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	161634	137.003	ug/l #	11

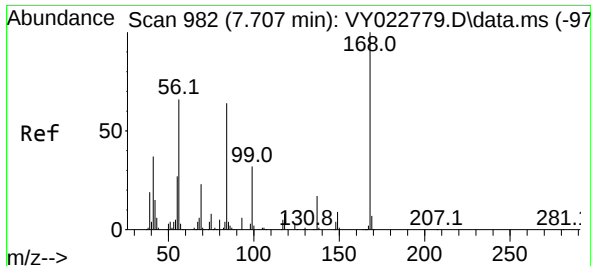
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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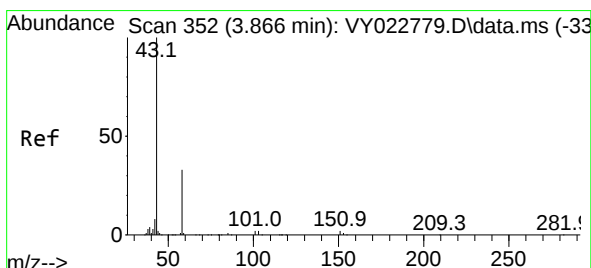
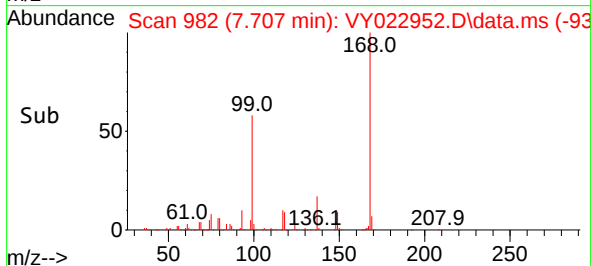
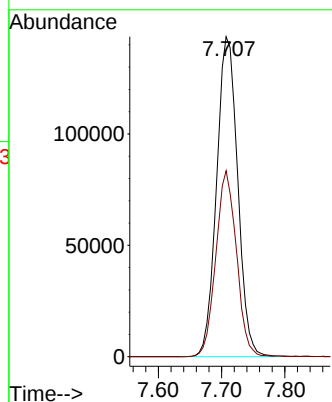
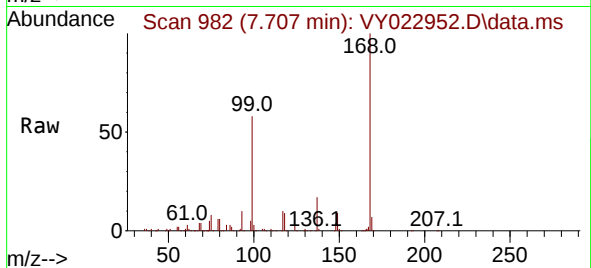




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

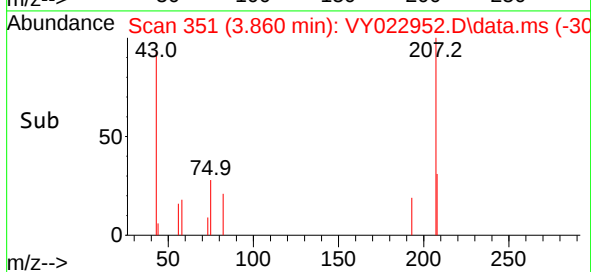
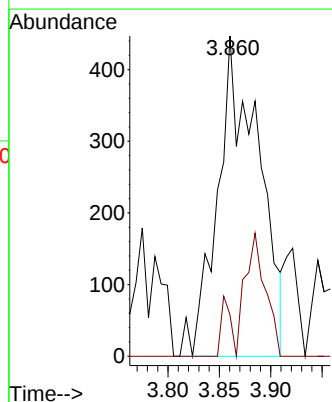
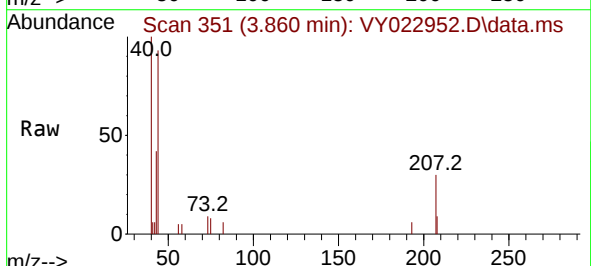
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-070325

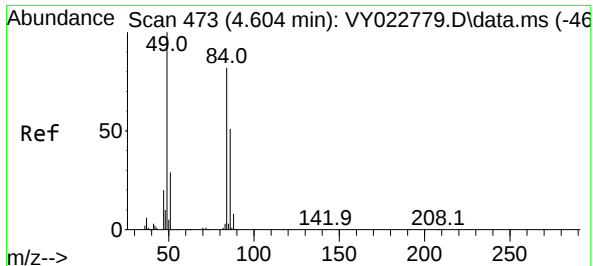
Tgt Ion:168 Resp: 332185
Ion Ratio Lower Upper
168 100
99 58.1 44.3 66.5



#16
Acetone
Concen: 1.767 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
58 13.0 24.0 36.0#

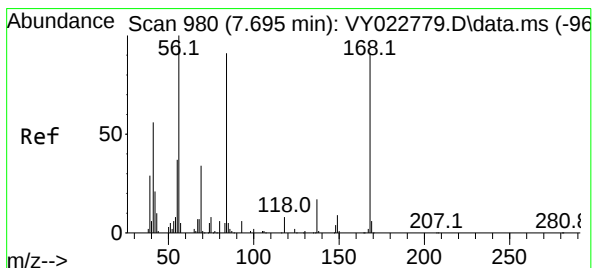
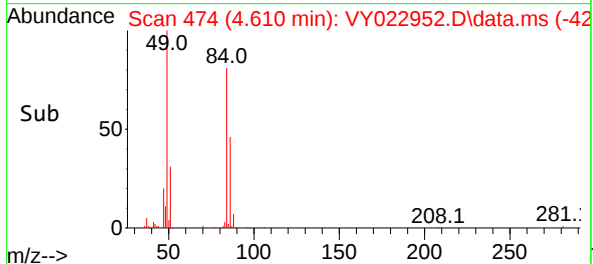
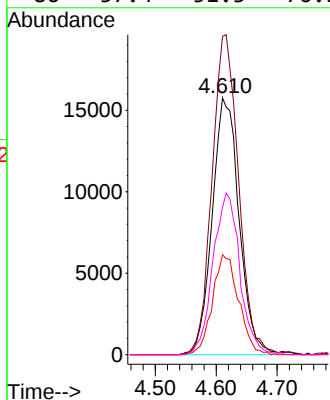
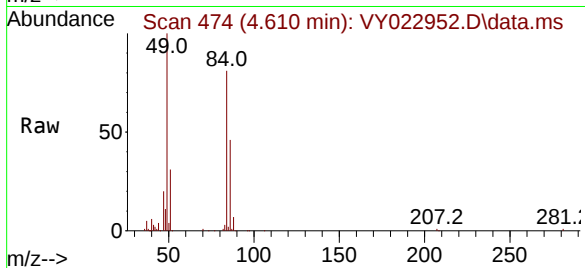




#20
Methylene Chloride
Concen: 10.914 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

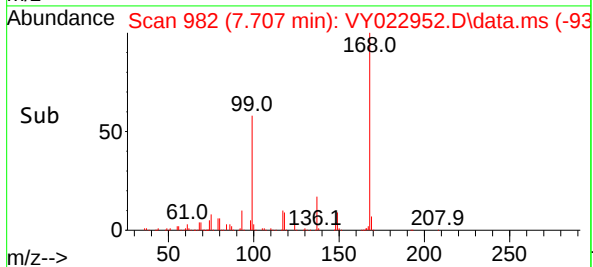
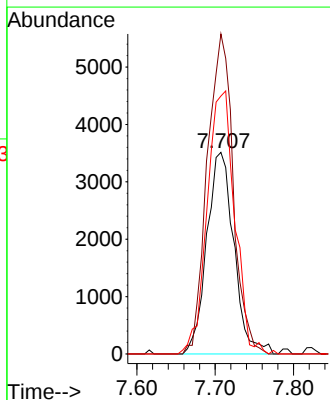
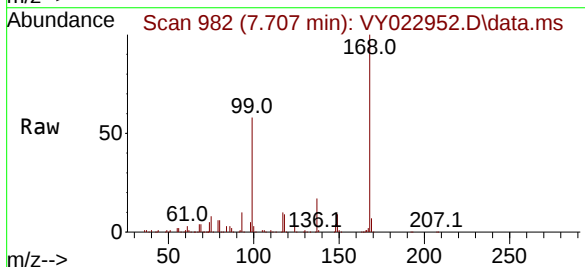
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-070325

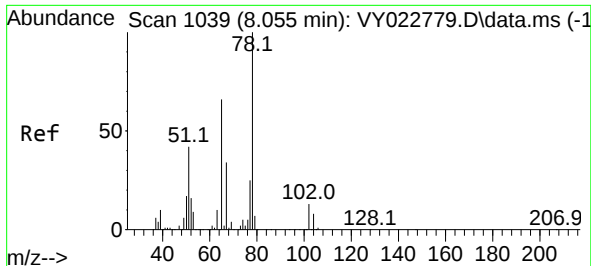
Tgt Ion:	84	Resp:	48298
Ion	Ratio	Lower	Upper
84	100		
49	124.0	101.9	152.9
51	39.0	29.8	44.8
86	57.4	51.3	76.9



#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion:	56	Resp:	8467
Ion	Ratio	Lower	Upper
56	100		
69	158.8	27.0	40.6#
84	128.0	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.883 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022952.D

Acq: 07 Jul 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

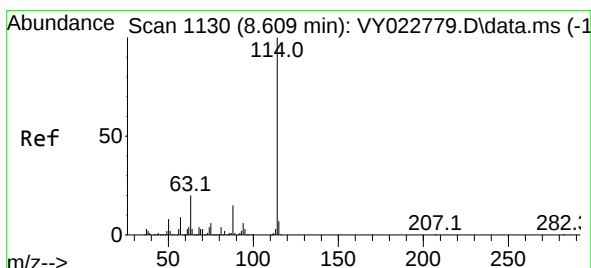
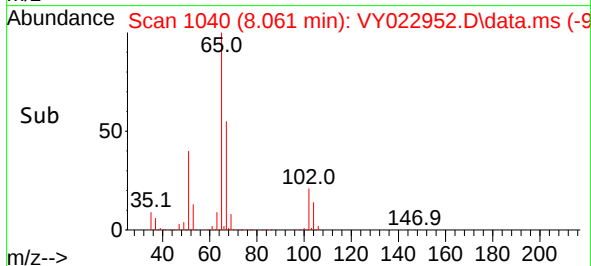
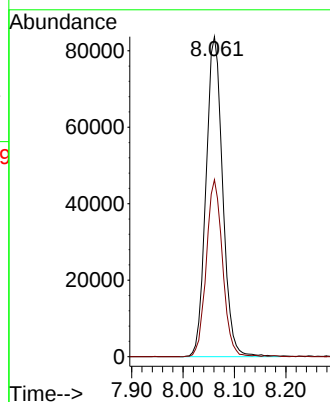
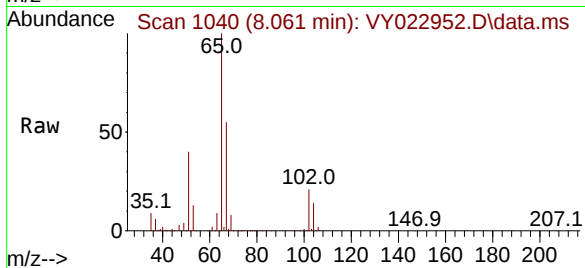
HR-3-070325

Tgt Ion: 65 Resp: 188649

Ion Ratio Lower Upper

65 100

67 53.9 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: VY022952.D

Acq: 07 Jul 2025 12:04

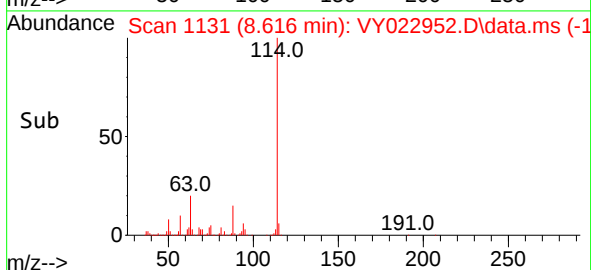
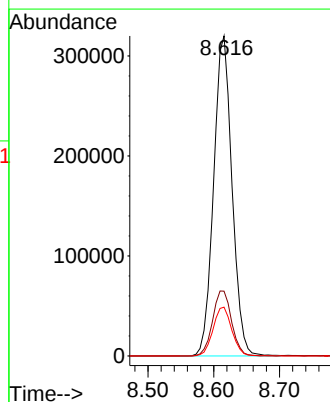
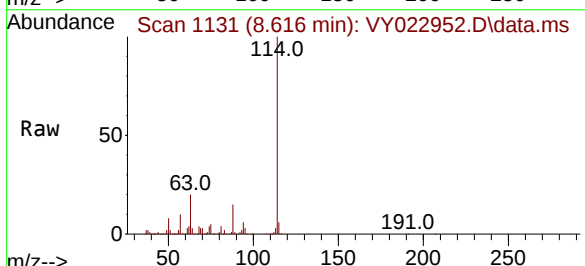
Tgt Ion: 114 Resp: 623198

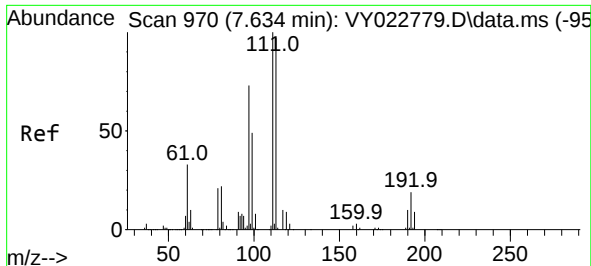
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.3 0.0 27.8

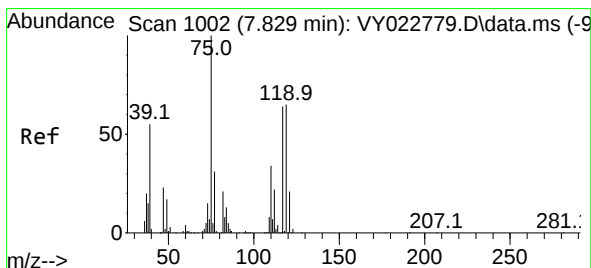
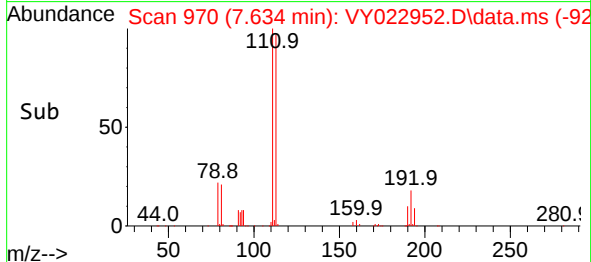
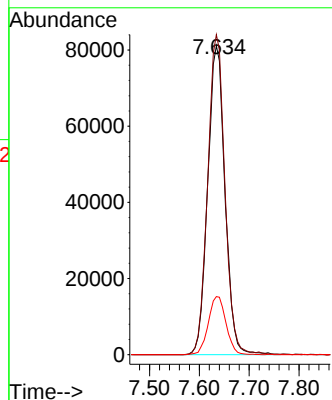
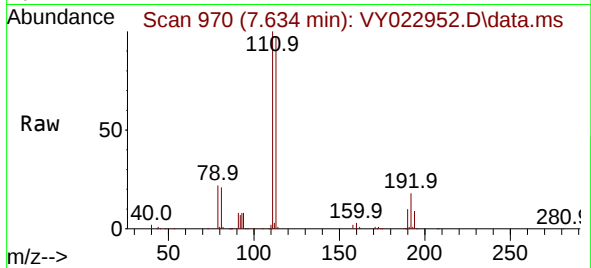




#35
Dibromofluoromethane
Concen: 51.535 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

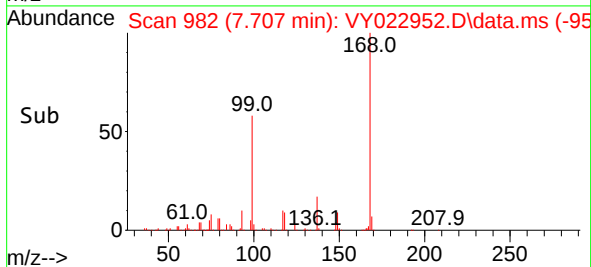
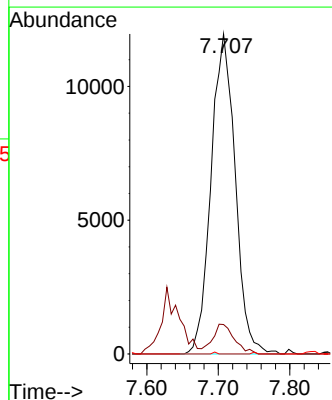
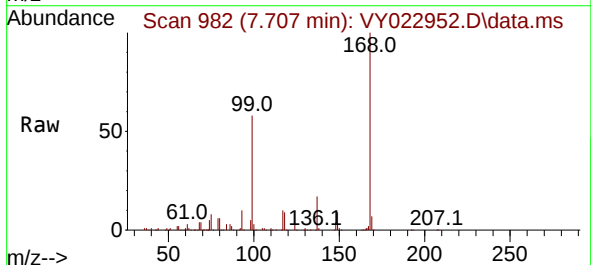
Instrument :
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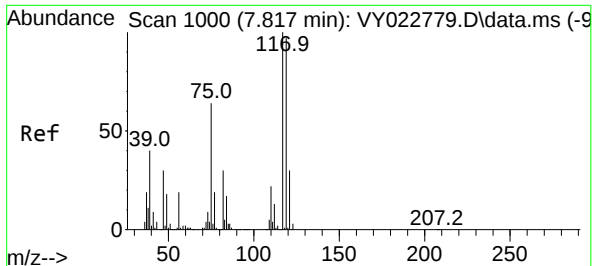
Tgt Ion:113 Resp: 195319
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 75 Resp: 28056
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.1 24.8 37.2#

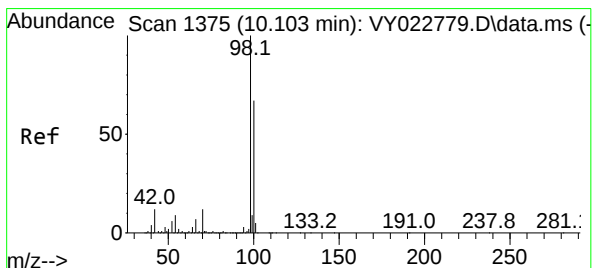
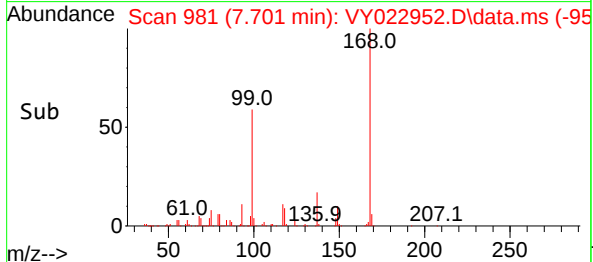
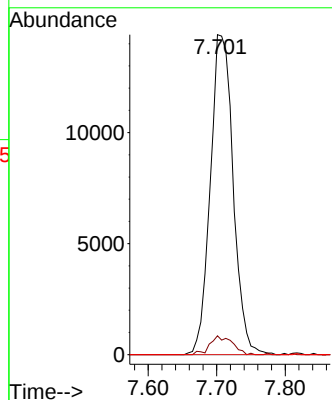
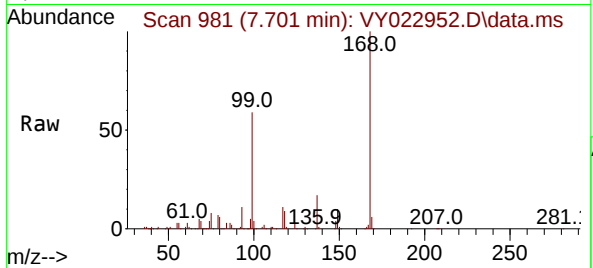




#38
Carbon Tetrachloride
Concen: 5.508 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

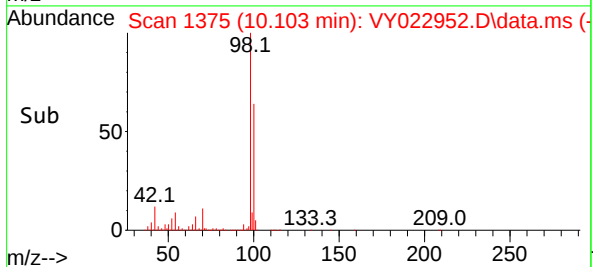
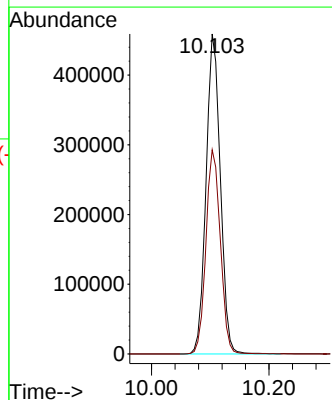
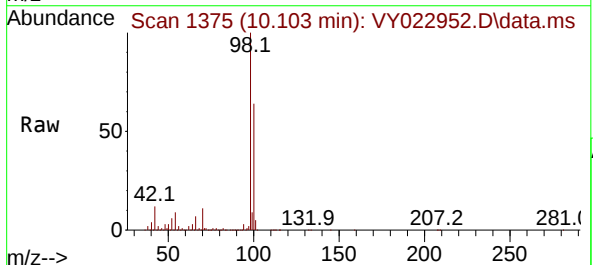
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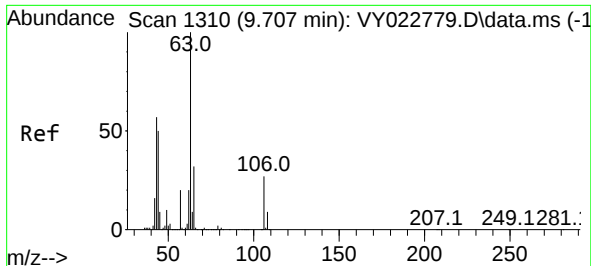
Tgt Ion:117 Resp: 33387
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.515 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 98 Resp: 774740
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

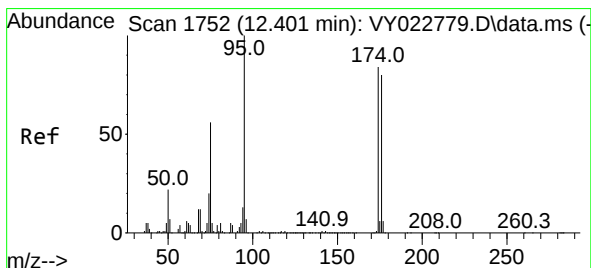
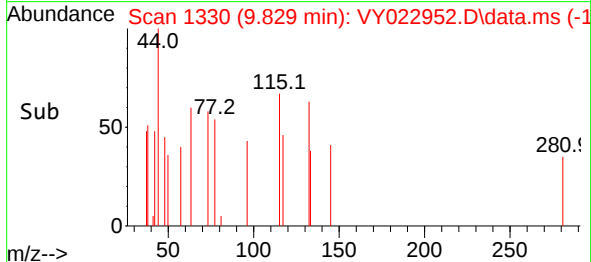
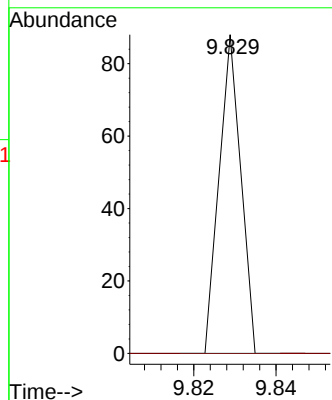
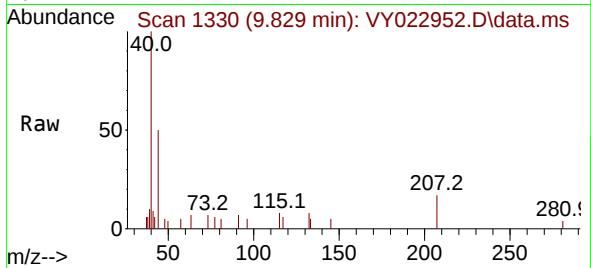




#58
2-Chloroethyl Vinyl ether
Concen: 15.669 ug/l
RT: 9.829 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

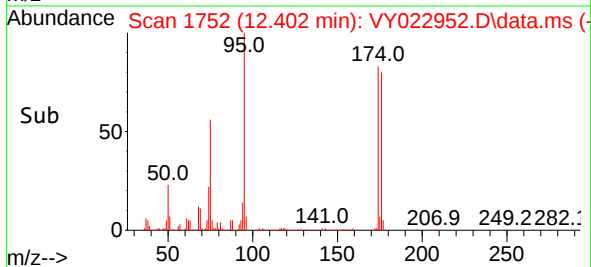
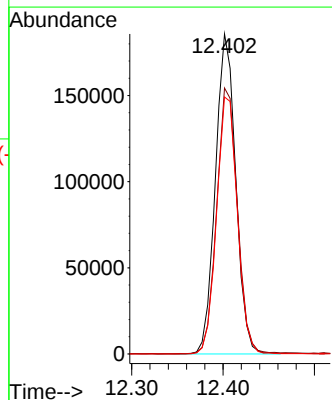
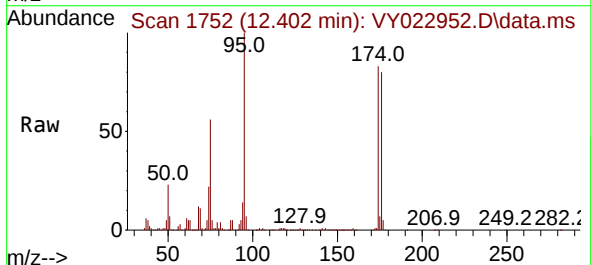
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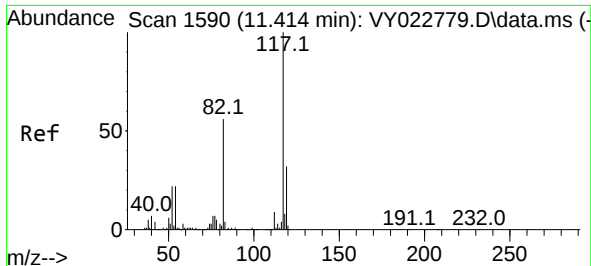
Tgt Ion: 63 Resp: 32
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 59.387 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion: 95 Resp: 287112
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 82.2 0.0 166.2

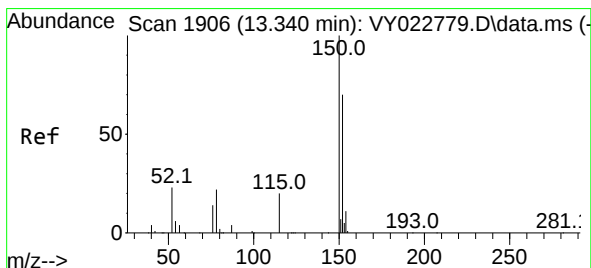
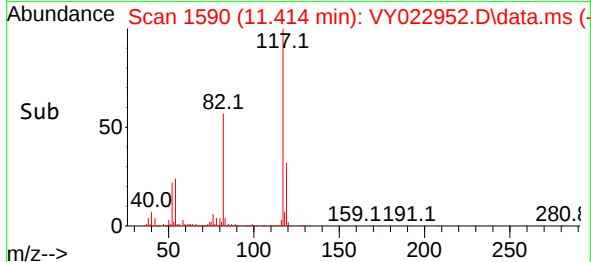
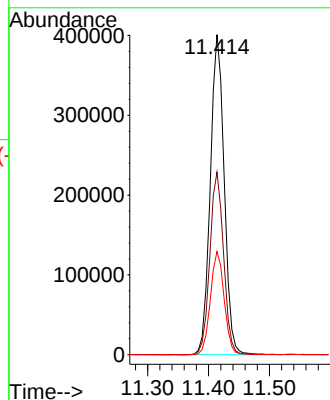
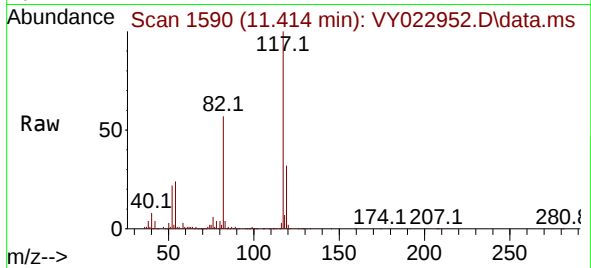




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

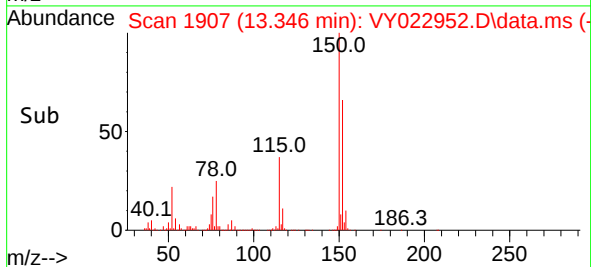
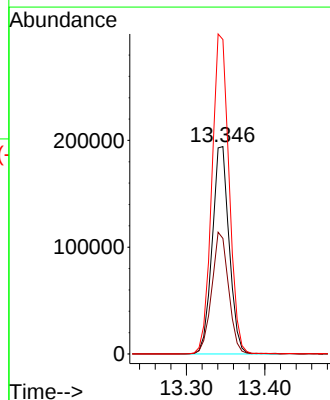
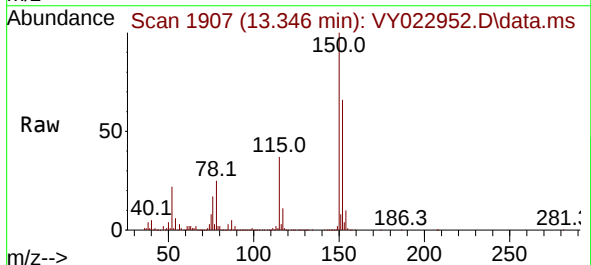
Instrument :
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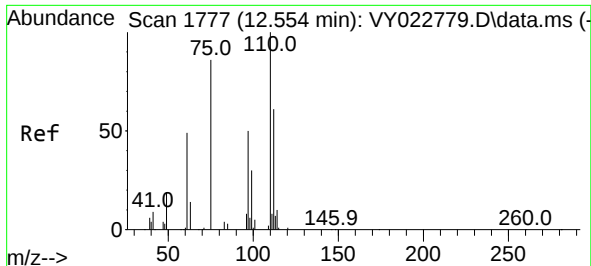
Tgt Ion:117 Resp: 635740
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022952.D
Acq: 07 Jul 2025 12:04

Tgt Ion:152 Resp: 291953
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 156.3 0.0 349.6

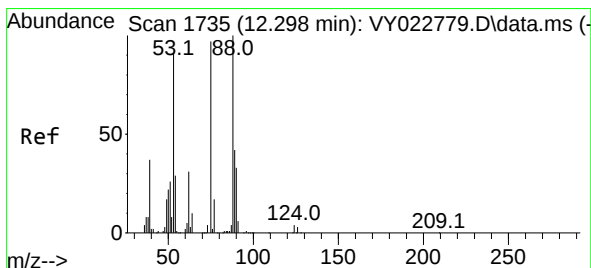
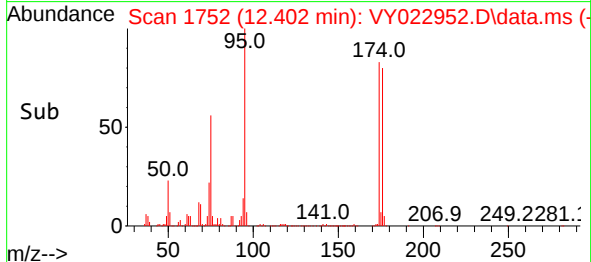
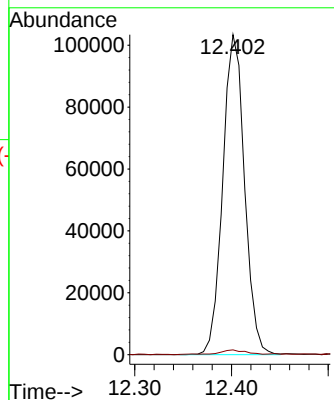
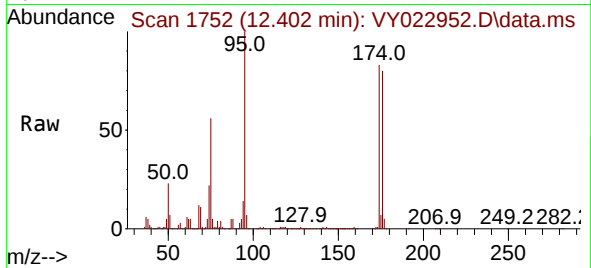




#76
 1,2,3-Trichloropropane
 Concen: 54.229 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022952.D
 Acq: 07 Jul 2025 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-3-070325

Tgt Ion: 75 Resp: 161634
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.003 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.097 min
 Lab File: VY022952.D
 Acq: 07 Jul 2025 12:04

Tgt Ion: 75 Resp: 161634
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 35.7 53.5#

