

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023223.D
 Acq On : 28 Aug 2025 13:54
 Operator : SY/MD
 Sample : Q2970-13
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12

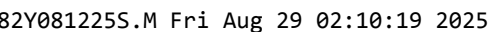
Quant Time: Aug 29 02:10:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	597103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1134505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1018610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	411243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	314707	55.301	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.600%	
35) Dibromofluoromethane	7.640	113	355884	52.424	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.840%	
50) Toluene-d8	10.109	98	1349969	50.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.402	95	399306	46.819	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.640%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	2867	2.325	ug/l	91
20) Methylene Chloride	4.616	84	15522	Below Cal		91
31) Cyclohexane	7.707	56	11056	1.043	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43751	4.337	ug/l #	50
38) Carbon Tetrachloride	7.713	117	56847	5.188	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5401	1.222	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	201815	50.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	201815	123.088	ug/l #	14

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

Quant Time: Aug 29 02:10:07 2025
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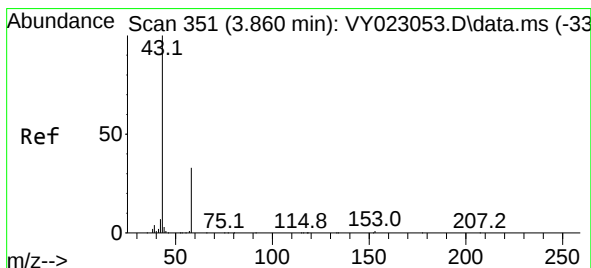
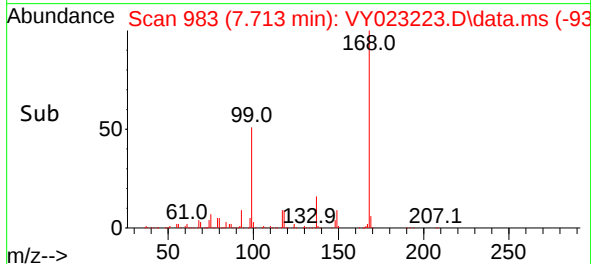
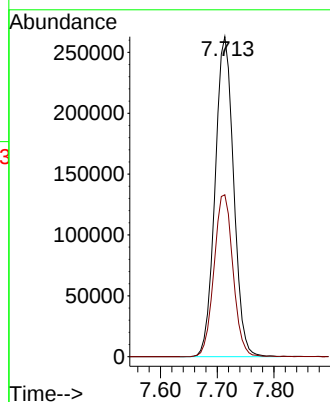
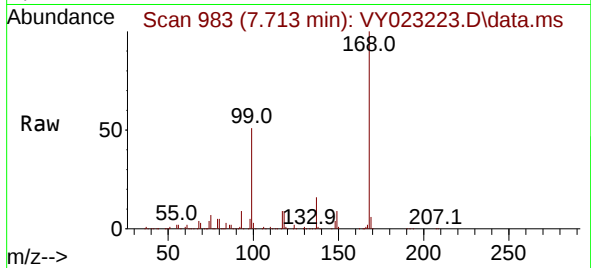




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

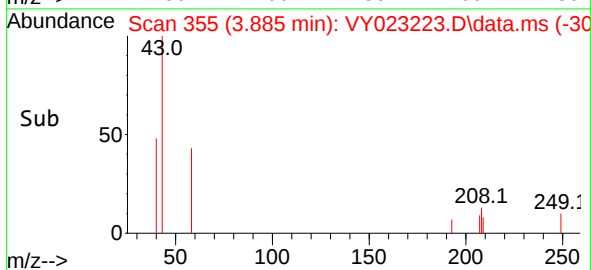
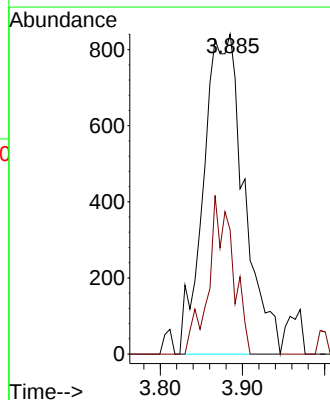
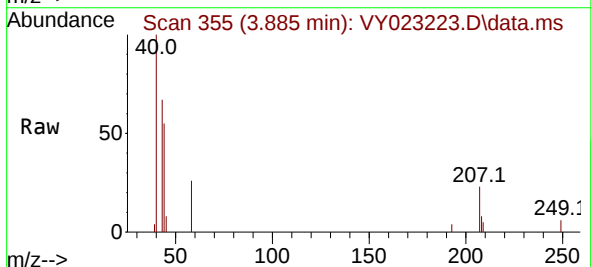
Instrument :
MSVOA_Y
ClientSampleId :
TP12

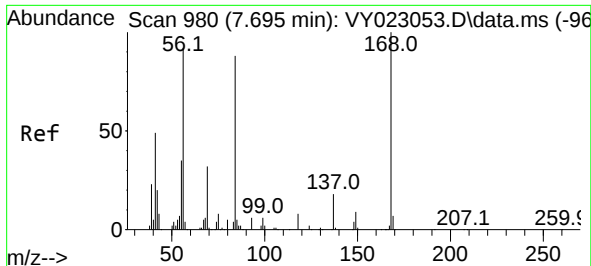
Tgt Ion:168 Resp: 597103
Ion Ratio Lower Upper
168 100
99 50.6 42.8 64.2



#16
Acetone
Concen: 2.325 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.025 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

Tgt Ion: 43 Resp: 2867
Ion Ratio Lower Upper
43 100
58 38.8 27.1 40.7

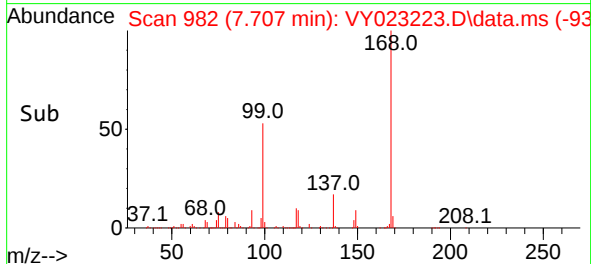
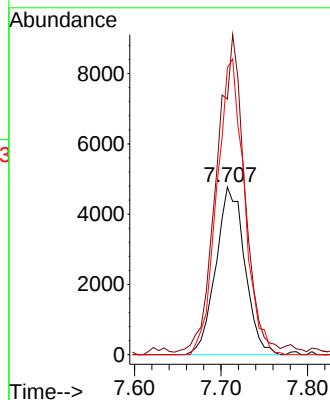
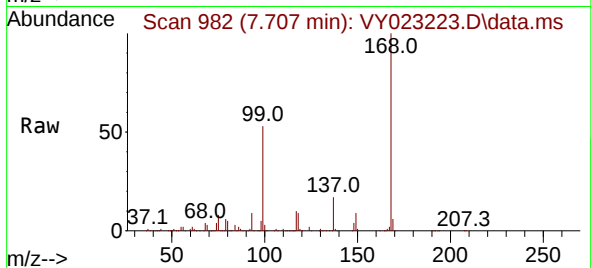




#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

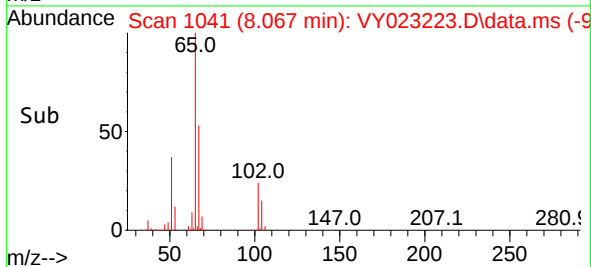
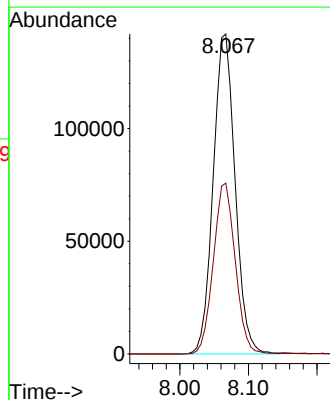
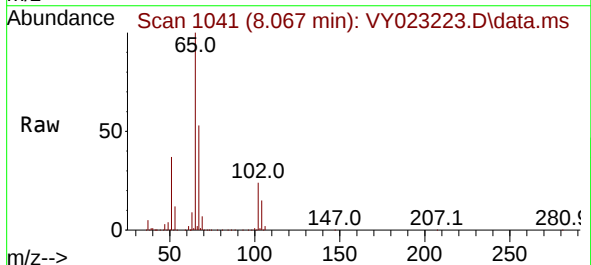
Instrument :
MSVOA_Y
ClientSampleId :
TP12

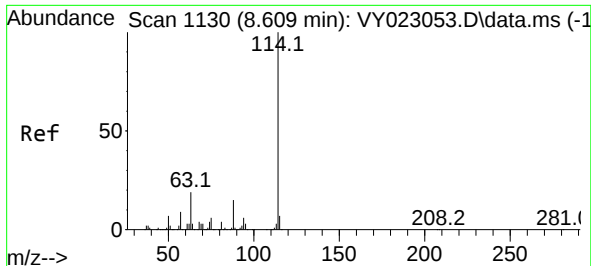
Tgt Ion: 56 Resp: 11056
Ion Ratio Lower Upper
56 100
69 149.8 28.2 42.2#
84 171.1 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 55.301 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

Tgt Ion: 65 Resp: 314707
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023223.D

Acq: 28 Aug 2025 13:54

Instrument :

MSVOA_Y

ClientSampleId :

TP12

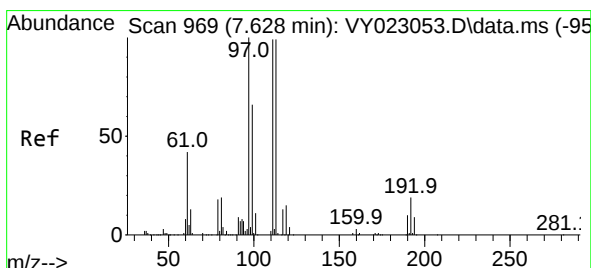
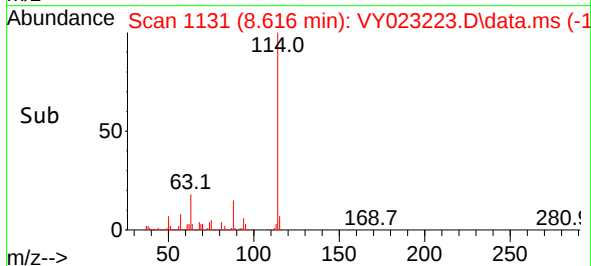
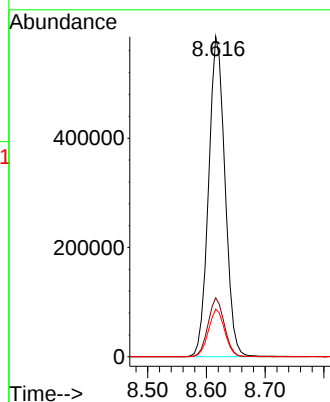
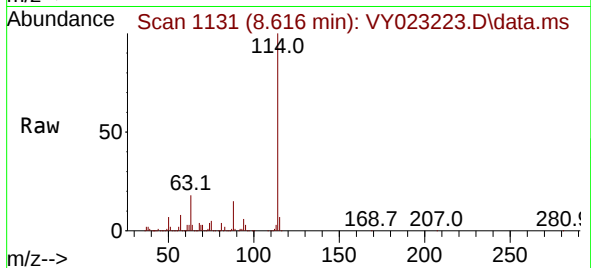
Tgt Ion:114 Resp: 1134505

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.424 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023223.D

Acq: 28 Aug 2025 13:54

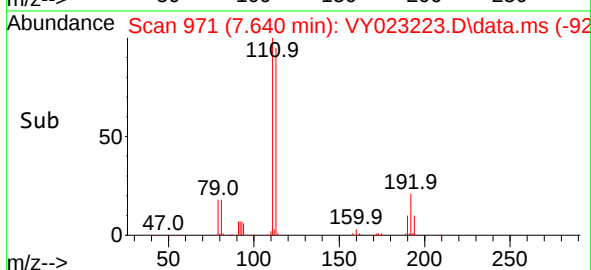
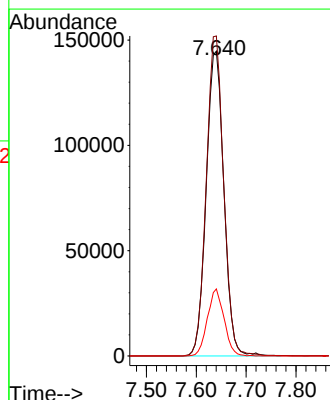
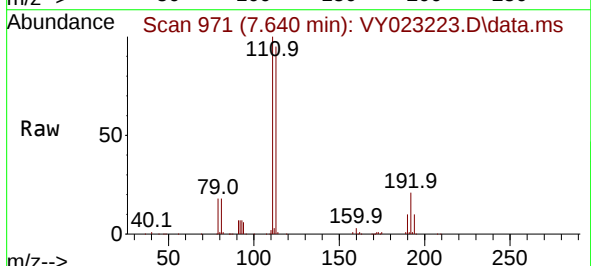
Tgt Ion:113 Resp: 355884

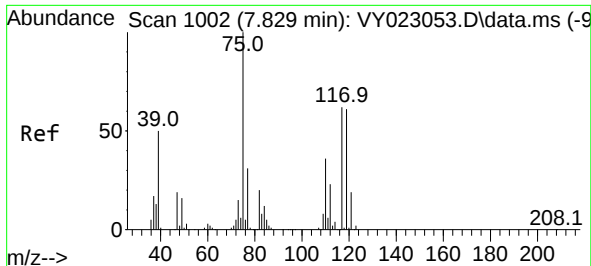
Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

192 20.8 16.2 24.4

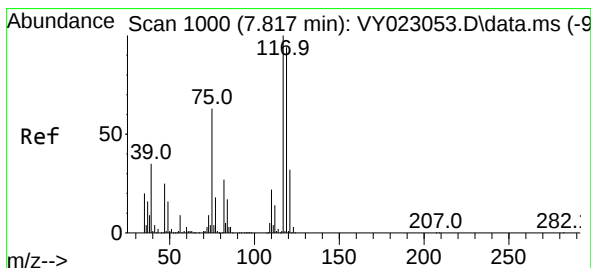
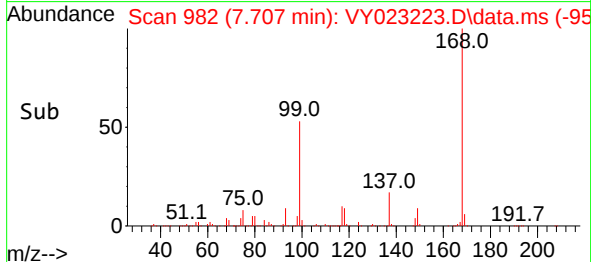
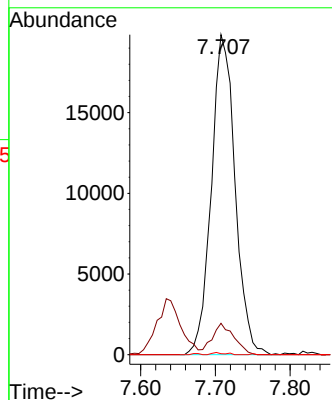
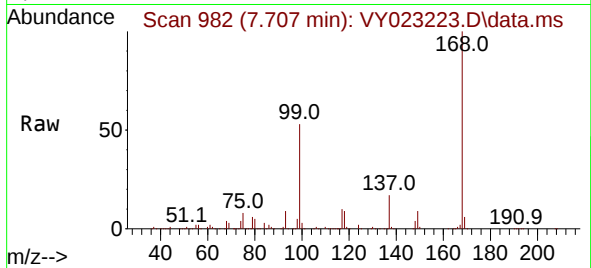




#36
 1,1-Dichloropropene
 Concen: 4.337 ug/l
 RT: 7.707 min Scan# 912
 Delta R.T. -0.122 min
 Lab File: VY023223.D
 Acq: 28 Aug 2025 13:54

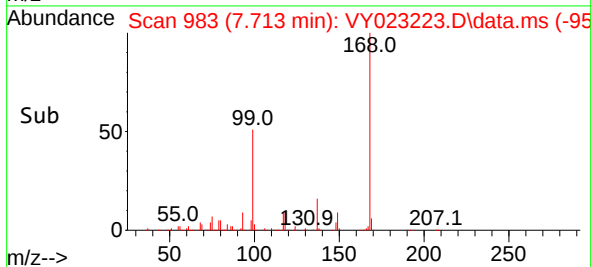
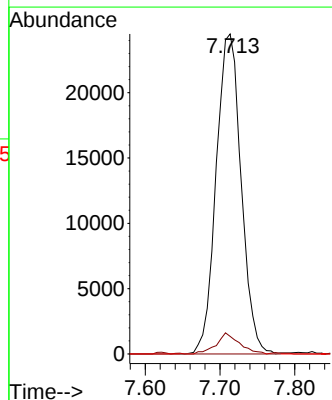
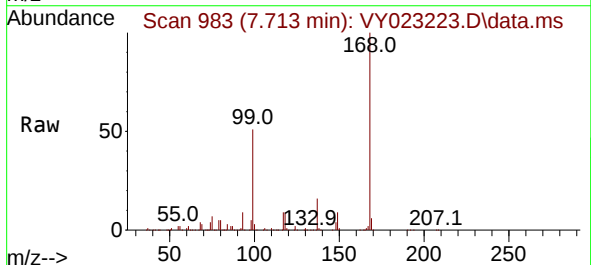
Instrument :
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 ClientSampleId :
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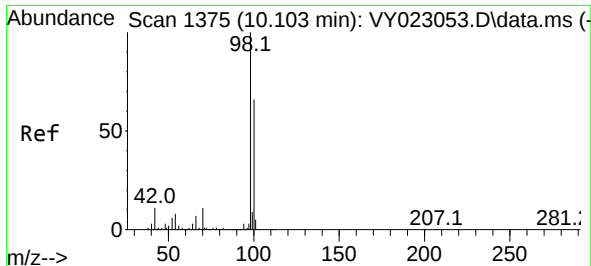
Tgt Ion: 75 Resp: 43751
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.4#
 77 0.3 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.188 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.103 min
 Lab File: VY023223.D
 Acq: 28 Aug 2025 13:54

Tgt Ion: 117 Resp: 56847
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.6 113.4#
 121 0.0 25.8 38.8#

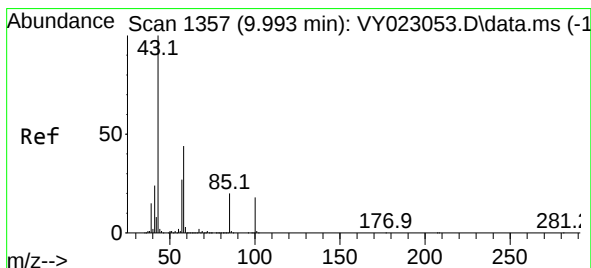
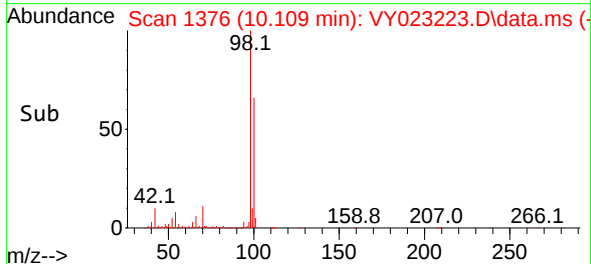
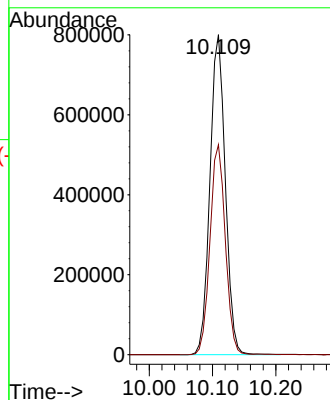
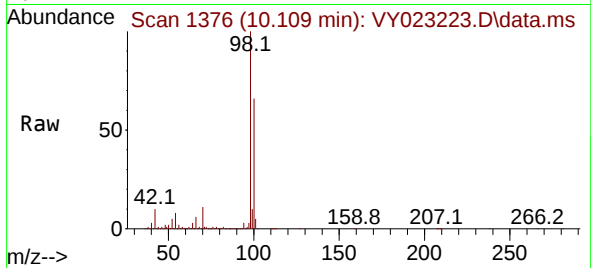




#50
Toluene-d8
Concen: 50.904 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

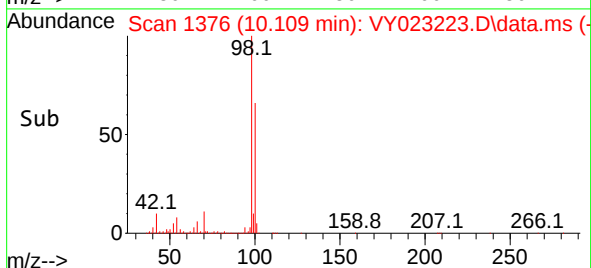
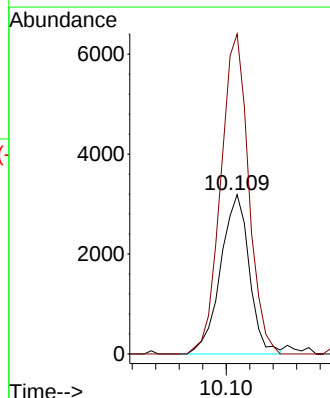
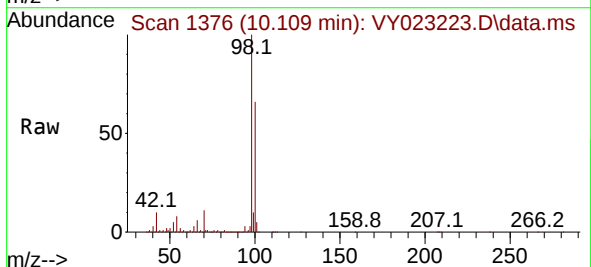
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ClientSampleId :
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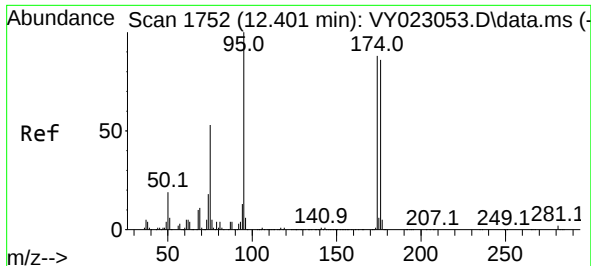
Tgt Ion: 98 Resp: 1349969
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.222 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.116 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

Tgt Ion: 43 Resp: 5401
Ion Ratio Lower Upper
43 100
58 195.3 33.5 50.3#

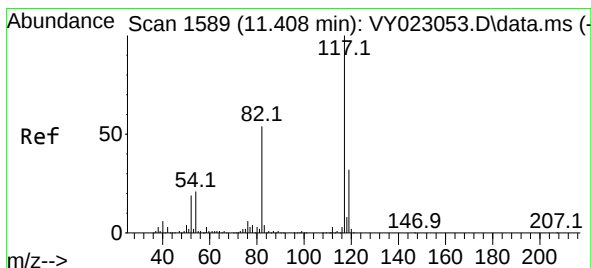
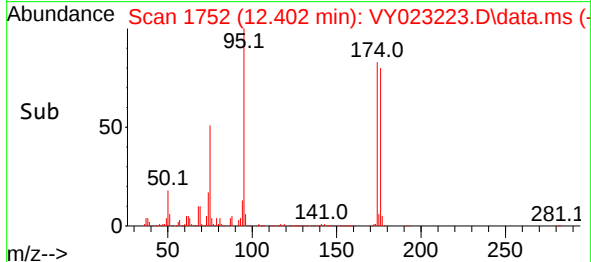
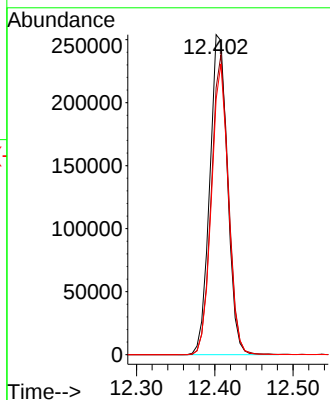
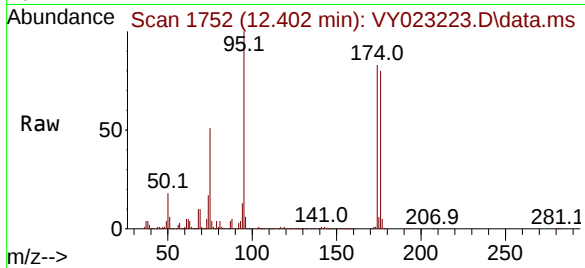




#62
4-Bromofluorobenzene
Concen: 46.819 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

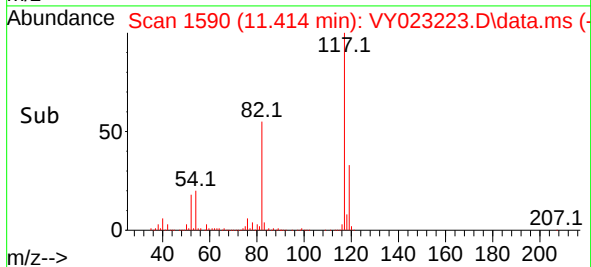
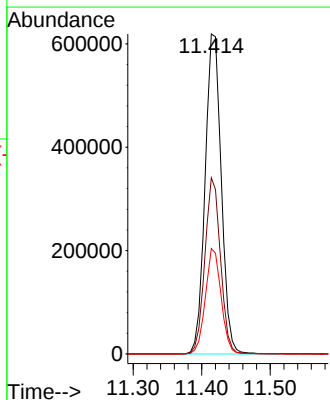
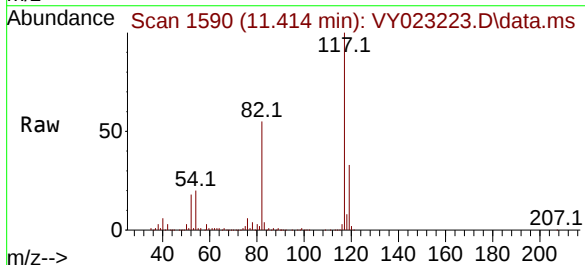
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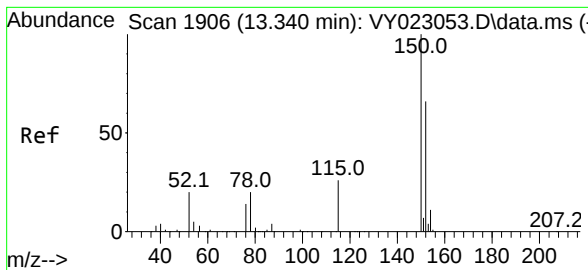
Tgt Ion: 95 Resp: 399306
Ion Ratio Lower Upper
95 100
174 90.8 0.0 171.6
176 87.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023223.D
Acq: 28 Aug 2025 13:54

Tgt Ion: 117 Resp: 1018610
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.9 25.6 38.4

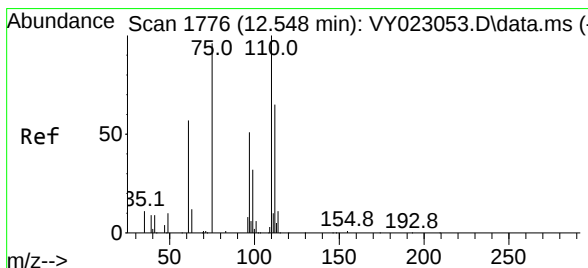
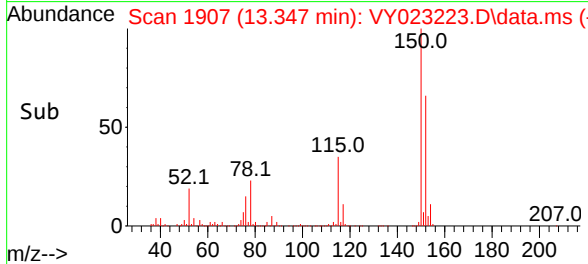
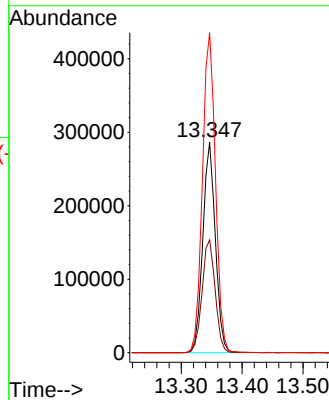
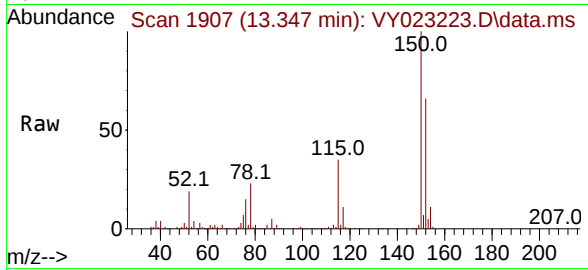




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023223.D
 Acq: 28 Aug 2025 13:54

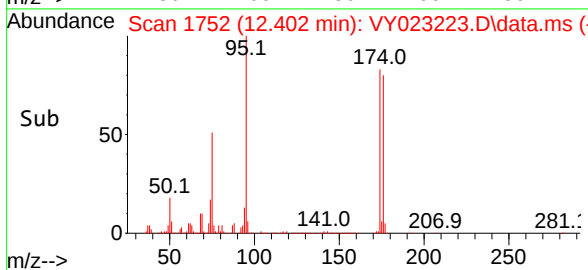
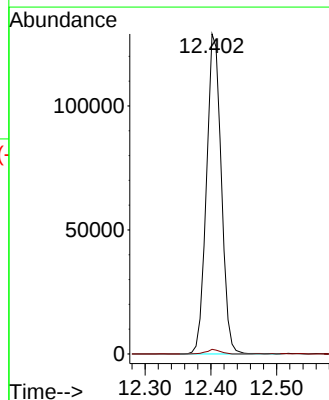
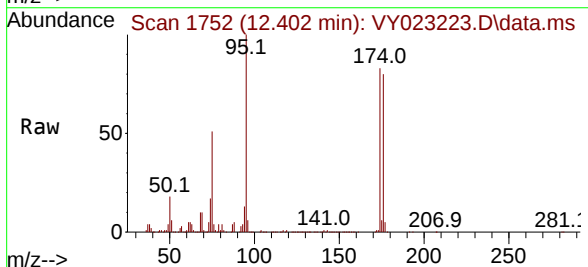
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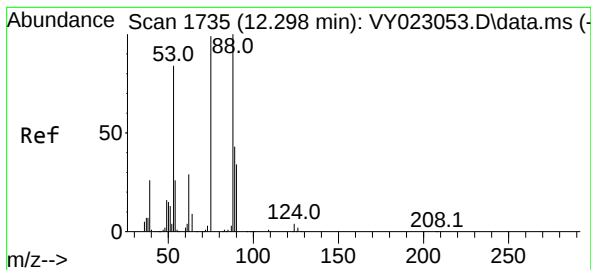
Tgt Ion:152 Resp: 411243
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.2 84.6
 150 157.3 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 50.849 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023223.D
 Acq: 28 Aug 2025 13:54

Tgt Ion: 75 Resp: 201815
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.088 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023223.D
 Acq: 28 Aug 2025 13:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12

Tgt Ion: 75 Resp: 201815
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

