

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023080.D
 Acq On : 13 Aug 2025 19:14
 Operator : SY/MD
 Sample : Q2819-18
 Misc : 9.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 38M-W

Quant Time: Aug 14 01:28:46 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)

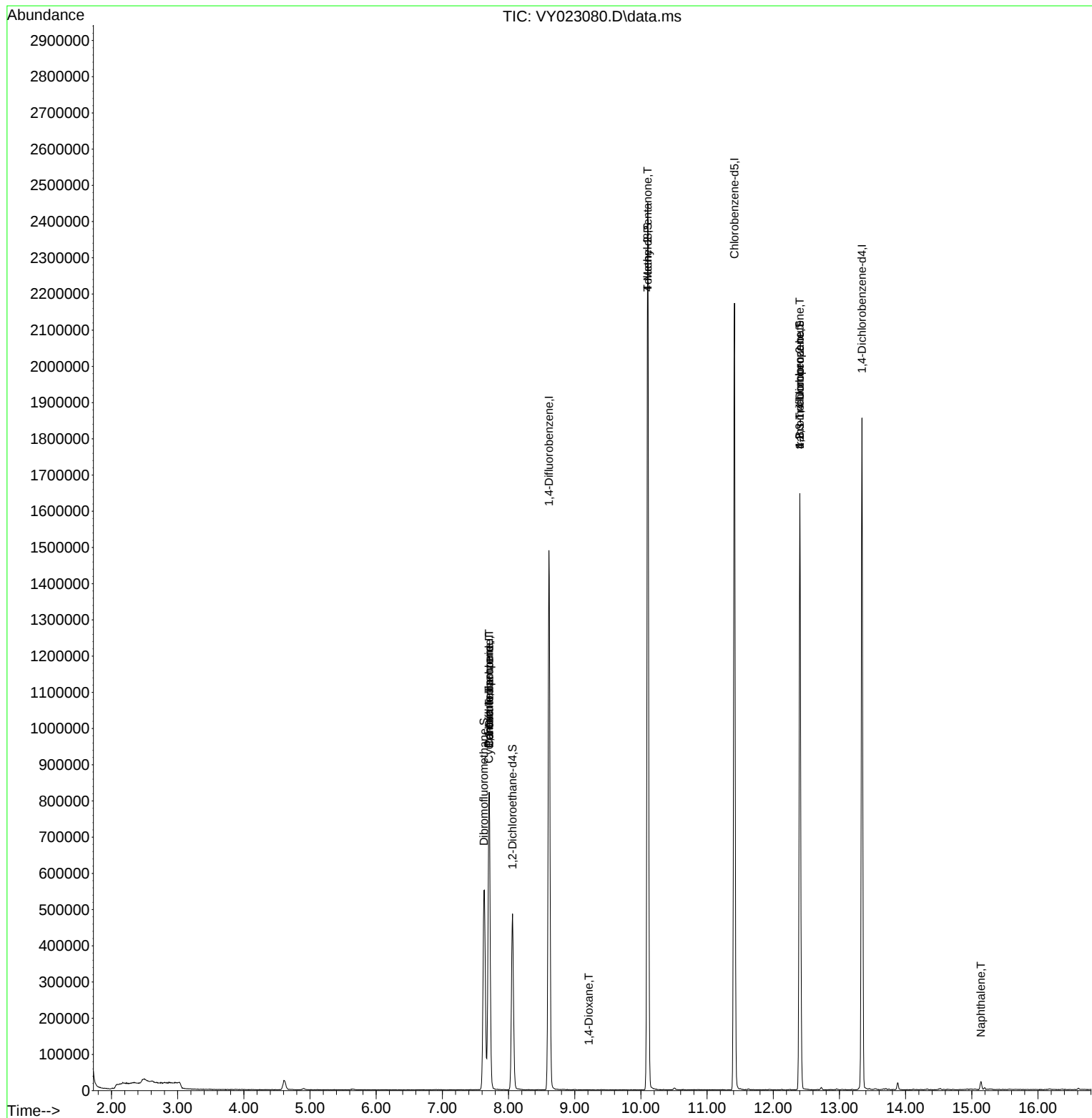
Internal Standards						
1) Pentafluorobenzene	7.707	168	629431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1263312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1125973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	453970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	370843	61.818	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.640%	
35) Dibromofluoromethane	7.628	113	403184	53.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.680%	
50) Toluene-d8	10.103	98	1558908	52.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.580%	
62) 4-Bromofluorobenzene	12.401	95	454520	47.859	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.720%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	14324	1.282	ug/l #	28
36) 1,1-Dichloropropene	7.707	75	50520	4.497	ug/l #	49
38) Carbon Tetrachloride	7.707	117	62440	5.117	ug/l #	17
49) 1,4-Dioxane	9.213	88	56	1.044	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	6796	1.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	241616	55.147	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	241616	133.494	ug/l #	14
95) Naphthalene	15.139	128	19399	1.455	ug/l	98

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

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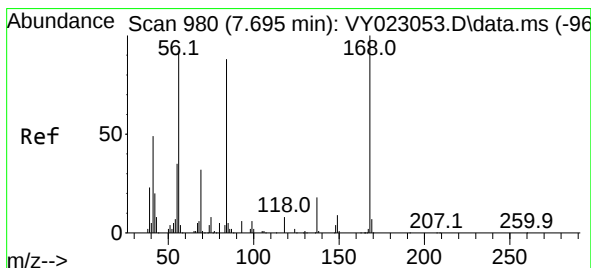
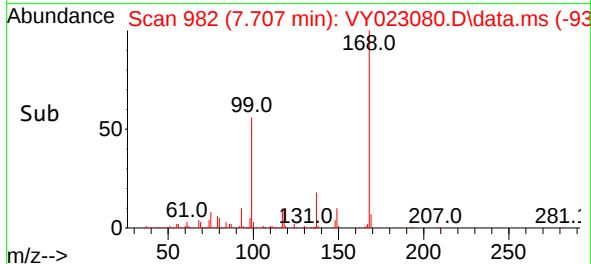
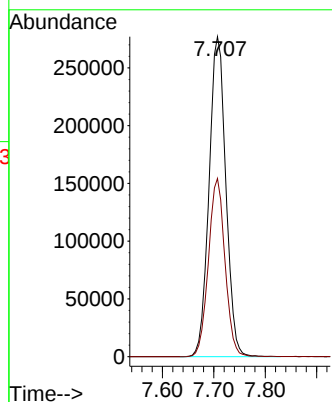
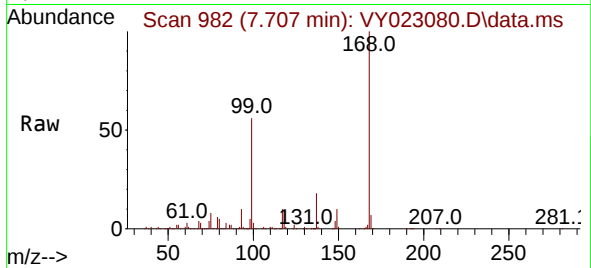




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

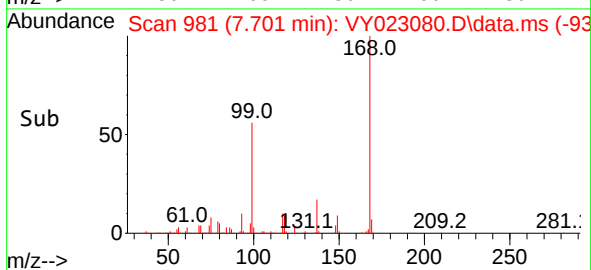
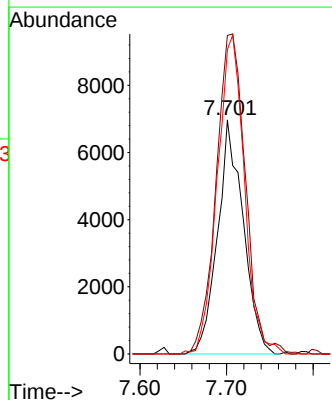
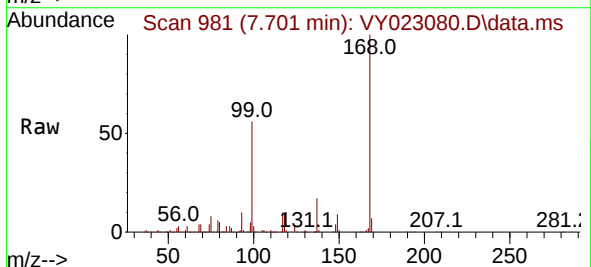
Instrument :
MSVOA_Y
ClientSampleId :
38M-W

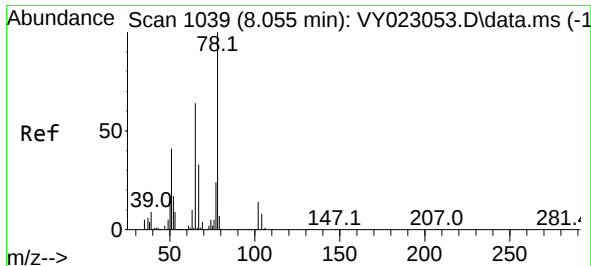
Tgt Ion:168 Resp: 629431
Ion Ratio Lower Upper
168 100
99 55.7 42.8 64.2



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 56 Resp: 14324
Ion Ratio Lower Upper
56 100
69 136.1 28.2 42.2#
84 130.0 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 61.818 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023080.D

Acq: 13 Aug 2025 19:14

Instrument :

MSVOA_Y

ClientSampleId :

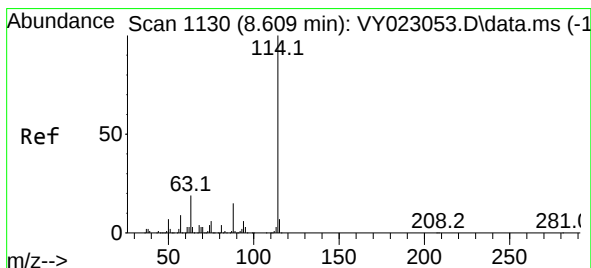
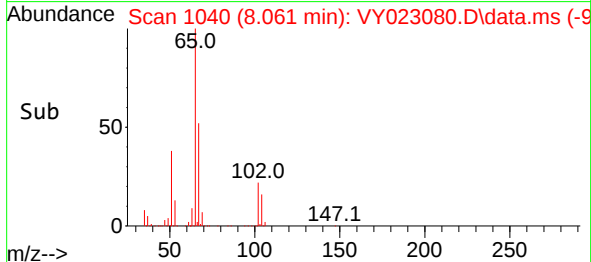
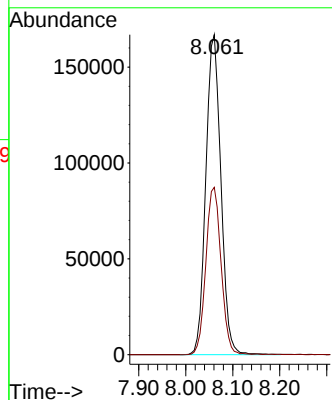
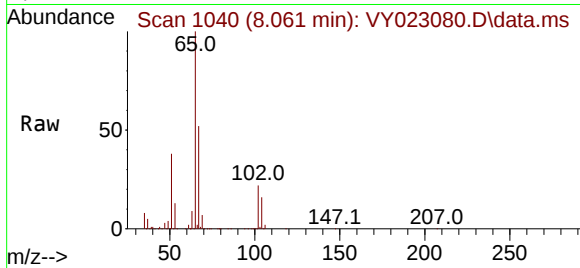
38M-W

Tgt Ion: 65 Resp: 370843

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY023080.D

Acq: 13 Aug 2025 19:14

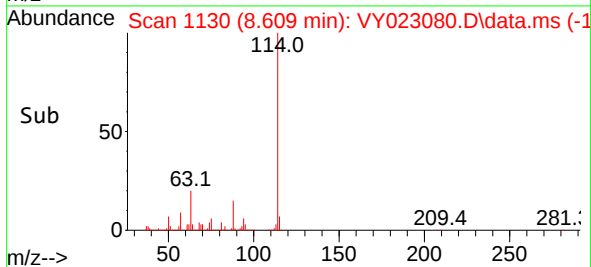
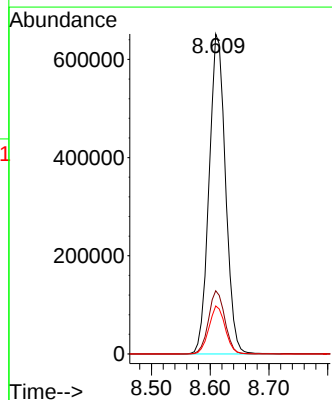
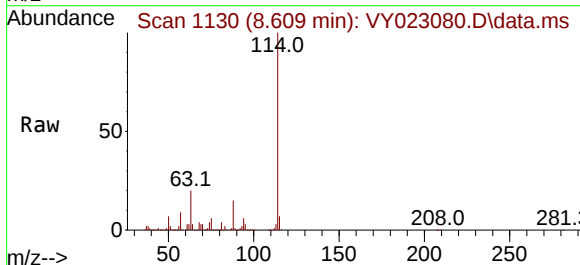
Tgt Ion: 114 Resp: 1263312

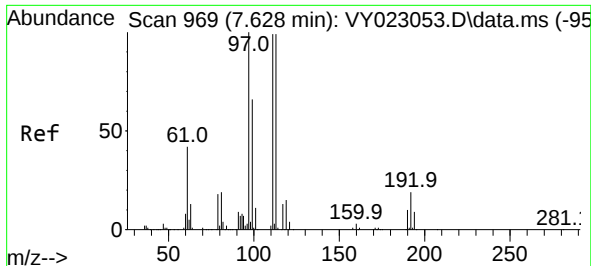
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.0 0.0 30.0

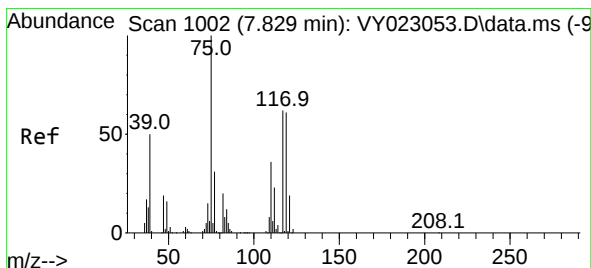
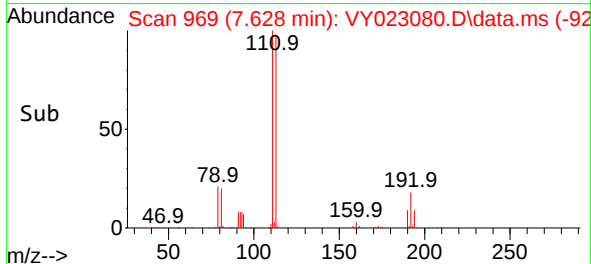
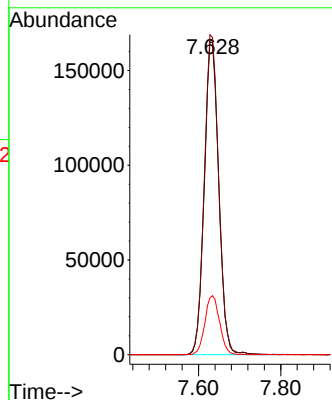
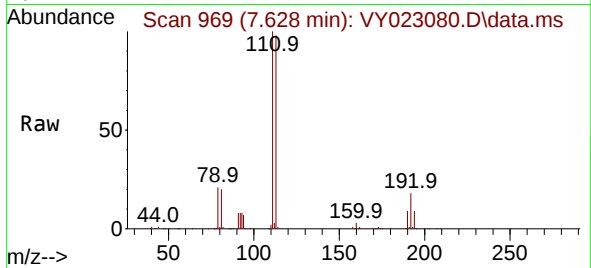




#35
Dibromofluoromethane
Concen: 53.336 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

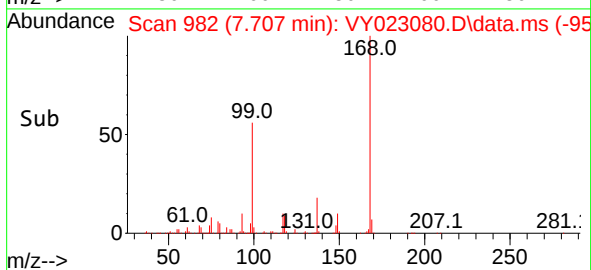
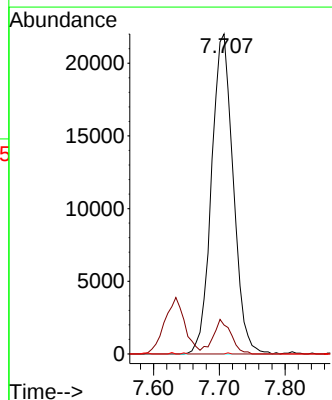
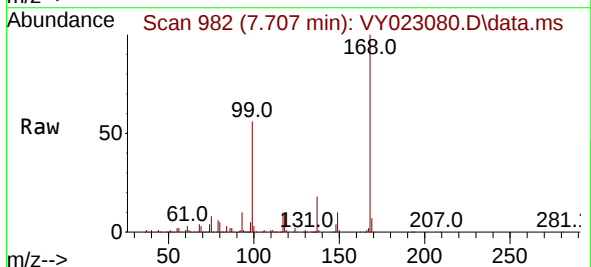
Instrument :
MSVOA_Y
ClientSampleId :
38M-W

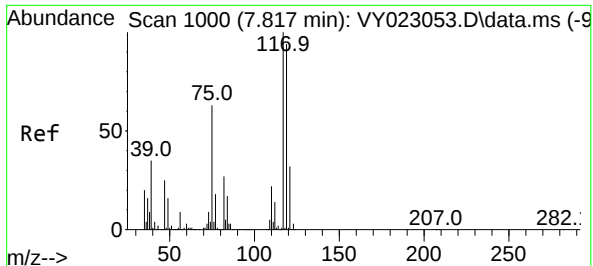
Tgt Ion:113 Resp: 403184
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 19.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.497 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 75 Resp: 50520
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.1 24.6 37.0#

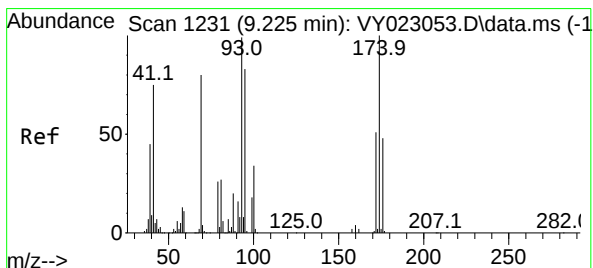
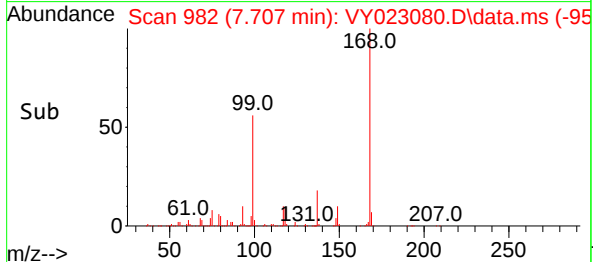
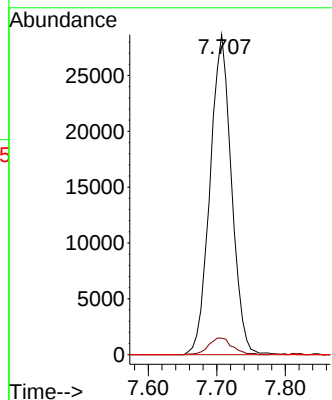
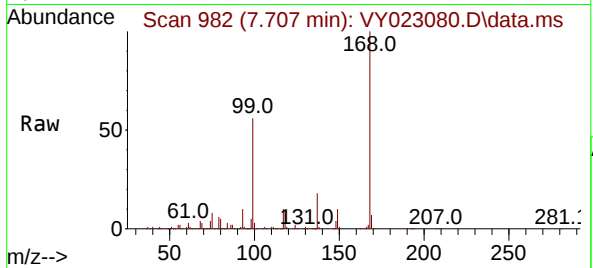




#38
Carbon Tetrachloride
Concen: 5.117 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

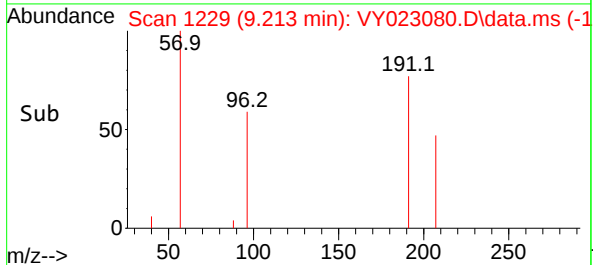
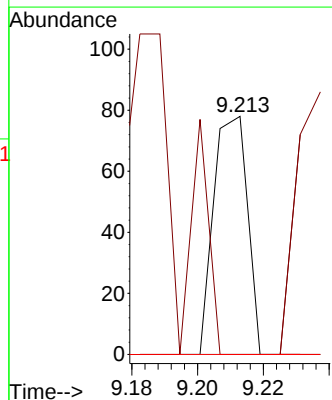
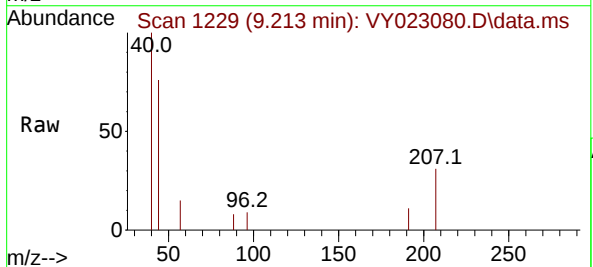
Instrument :
MSVOA_Y
ClientSampleId :
38M-W

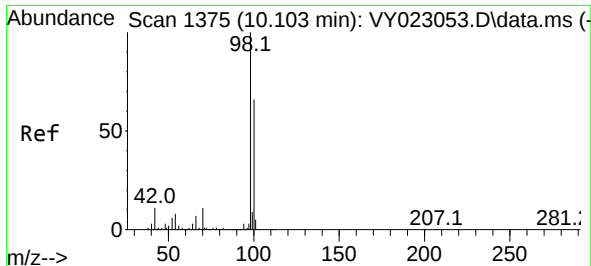
Tgt Ion:117 Resp: 62440
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.044 ug/l
RT: 9.213 min Scan# 1229
Delta R.T. -0.012 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 24.3 36.5#
58 0.0 55.4 83.0#

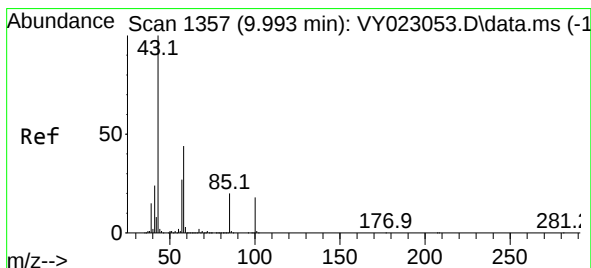
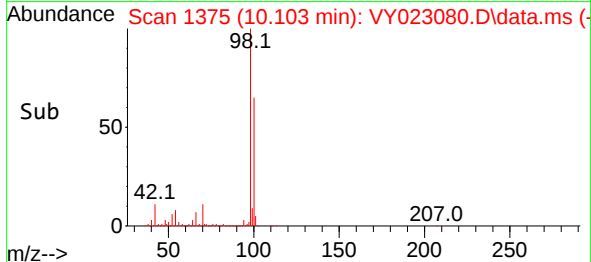
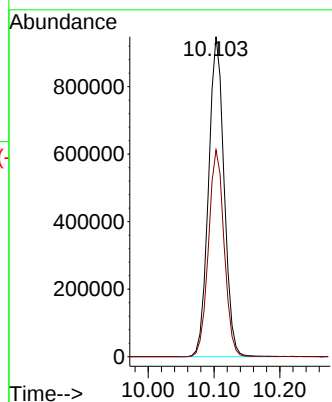
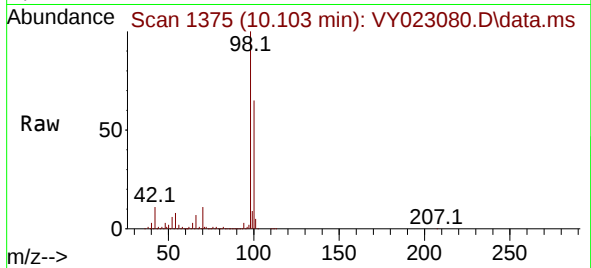




#50
Toluene-d8
Concen: 52.789 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

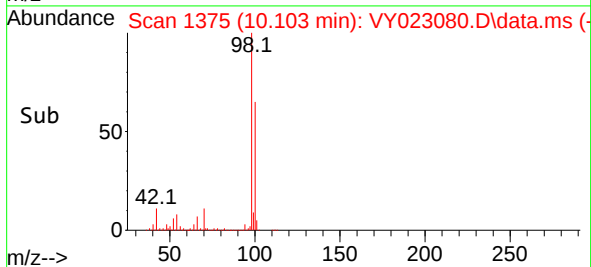
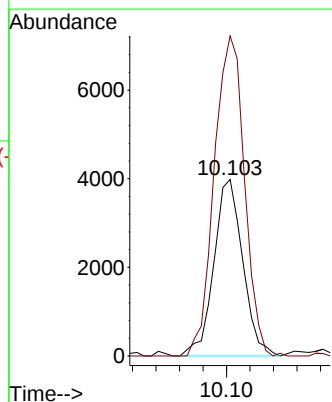
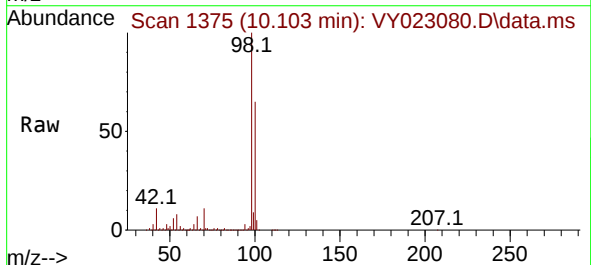
Instrument :
MSVOA_Y
ClientSampleId :
38M-W

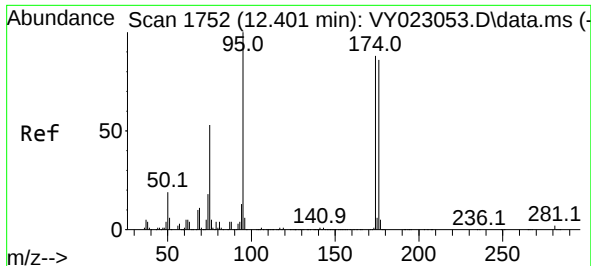
Tgt Ion: 98 Resp: 1558908
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.381 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 43 Resp: 6796
Ion Ratio Lower Upper
43 100
58 189.6 33.5 50.3#

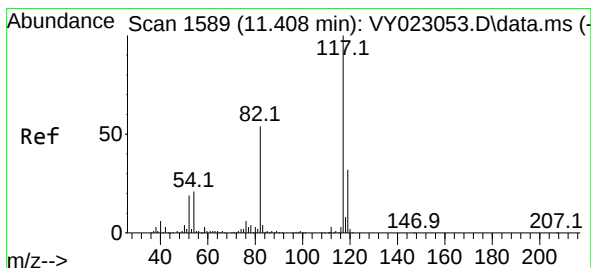
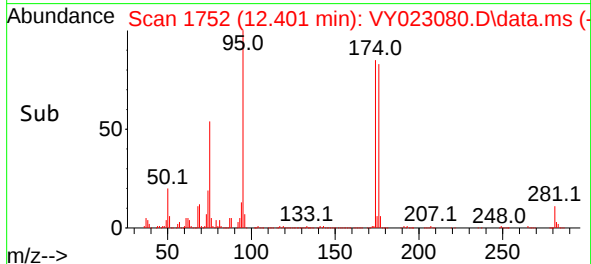
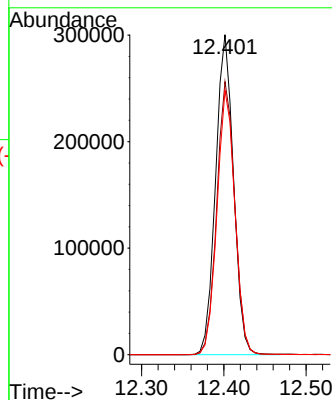
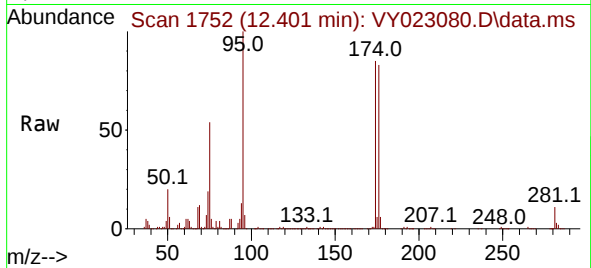




#62
4-Bromofluorobenzene
Concen: 47.859 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

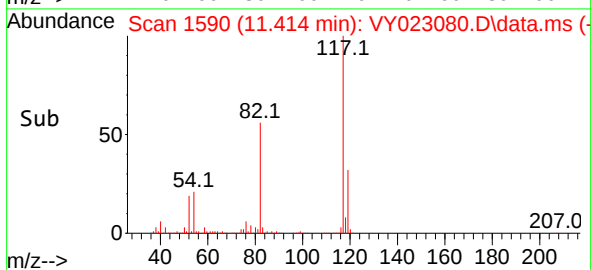
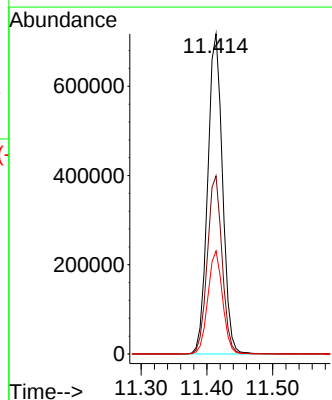
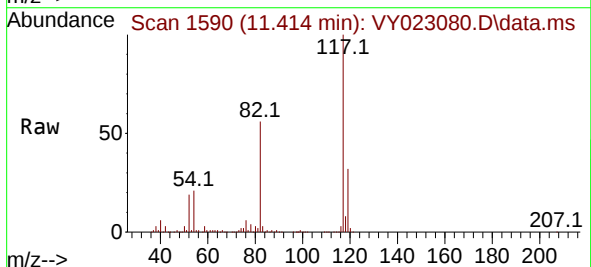
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38M-W

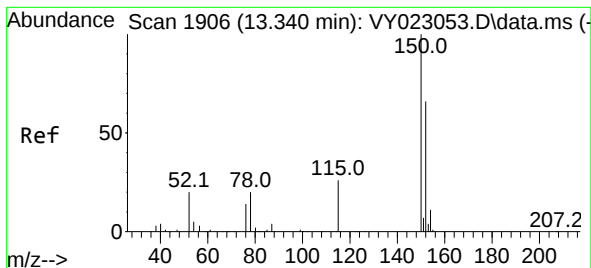
Tgt Ion: 95 Resp: 454520
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 82.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 117 Resp: 1125973
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.2 25.6 38.4

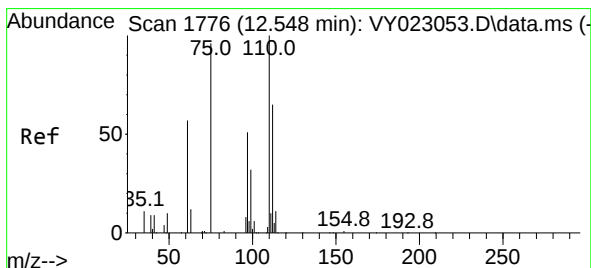
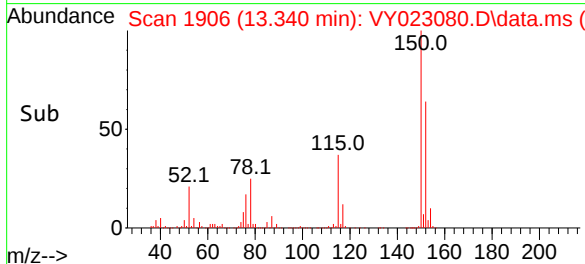
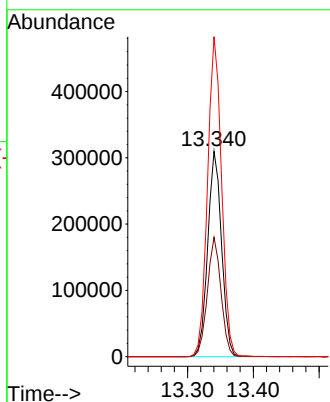
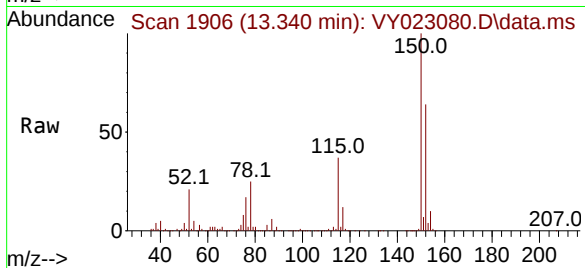




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY023080.D
 Acq: 13 Aug 2025 19:14

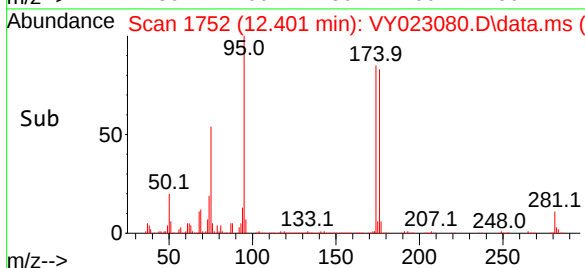
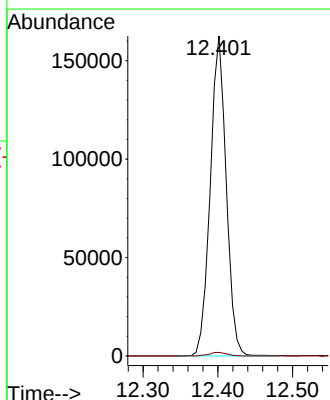
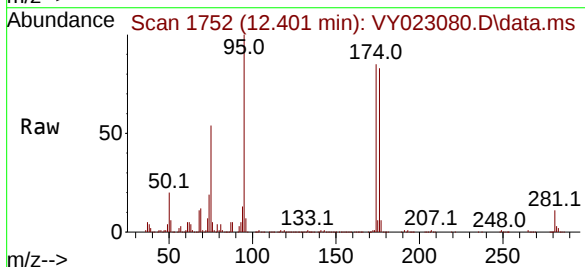
Instrument :
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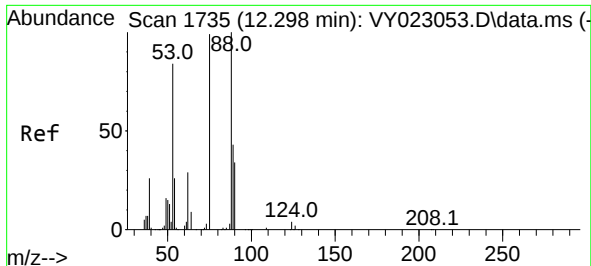
Tgt Ion:152 Resp: 453970
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.2 84.6
 150 157.5 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 55.147 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.146 min
 Lab File: VY023080.D
 Acq: 13 Aug 2025 19:14

Tgt Ion: 75 Resp: 241616
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

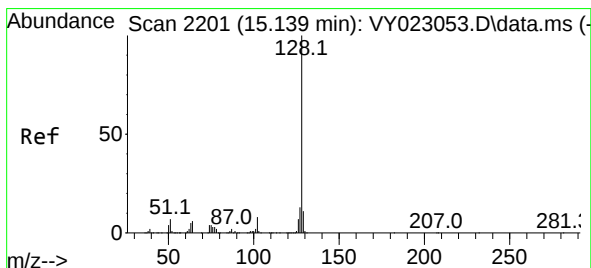
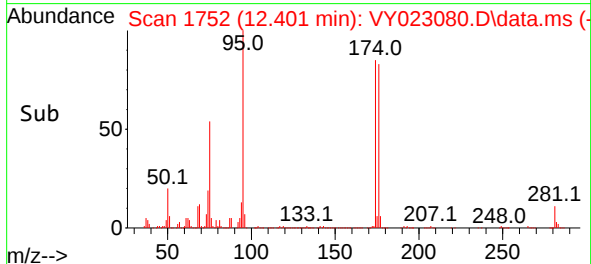
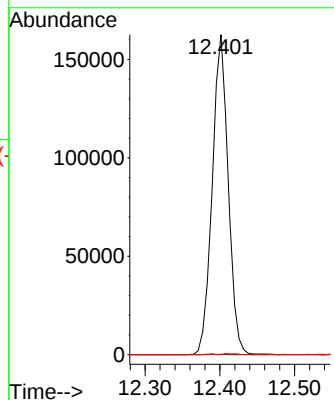
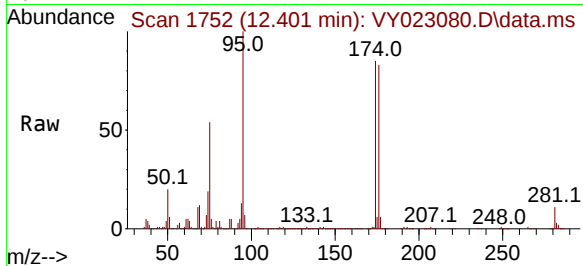




#81
trans-1,4-Dichloro-2-butene
Concen: 133.494 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Instrument :
MSVOA_Y
ClientSampleId :
38M-W

Tgt Ion: 75 Resp: 241616
Ion Ratio Lower Upper
75 100
53 0.0 70.8 106.2#
89 0.2 38.1 57.1#



#95
Naphthalene
Concen: 1.455 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion:128 Resp: 19399
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 9.8 9.0 13.4

