

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023079.D
 Acq On : 13 Aug 2025 18:51
 Operator : SY/MD
 Sample : Q2819-17
 Misc : 9.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 38M-N

Quant Time: Aug 14 01:28:24 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)

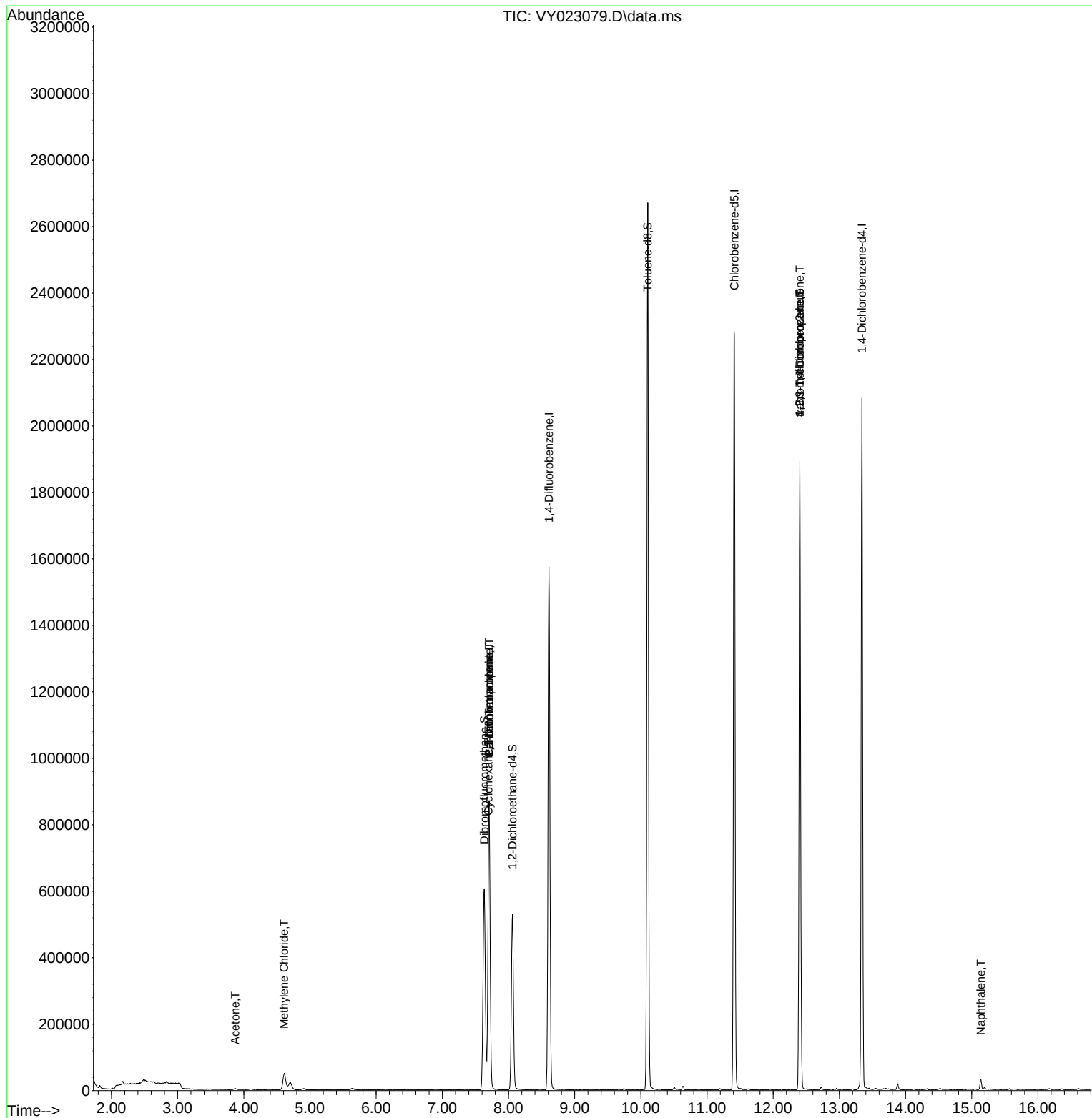
Internal Standards						
1) Pentafluorobenzene	7.707	168	669452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1354583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1228757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	509432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	414417	64.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.900%	
35) Dibromofluoromethane	7.634	113	432425	53.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.103	98	1670308	52.750	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.500%	
62) 4-Bromofluorobenzene	12.402	95	508089	49.895	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.780%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	5790	4.189	ug/l	99
20) Methylene Chloride	4.610	84	36826	2.548	ug/l	98
31) Cyclohexane	7.695	56	14423	1.214	ug/l #	28
36) 1,1-Dichloropropene	7.707	75	53267	4.422	ug/l #	48
38) Carbon Tetrachloride	7.707	117	65440	5.002	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	272282	55.381	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	272282	134.059	ug/l #	14
95) Naphthalene	15.139	128	25566	1.709	ug/l	98

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

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Response via : Initial Calibration

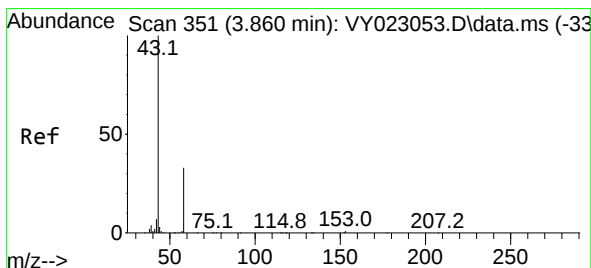
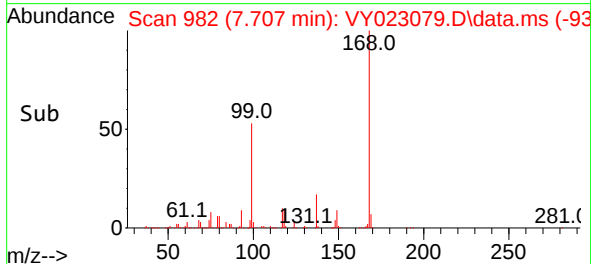
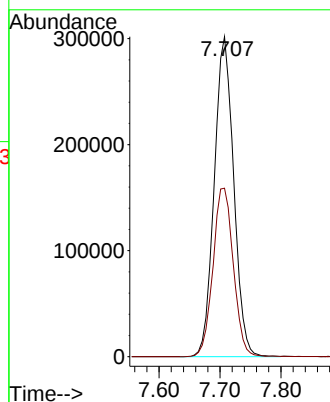
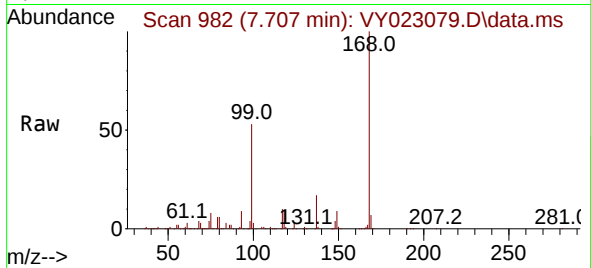




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

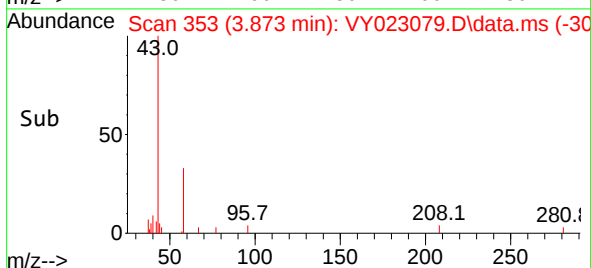
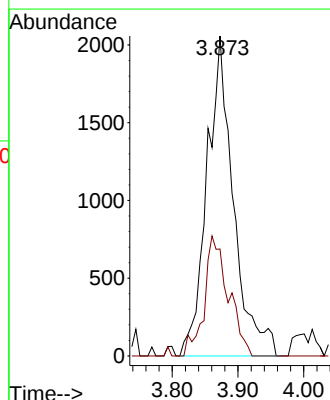
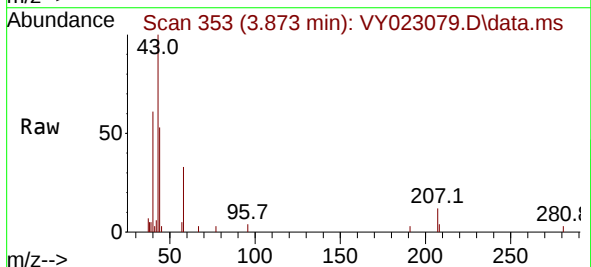
Instrument :
MSVOA_Y
ClientSampleId :
38M-N

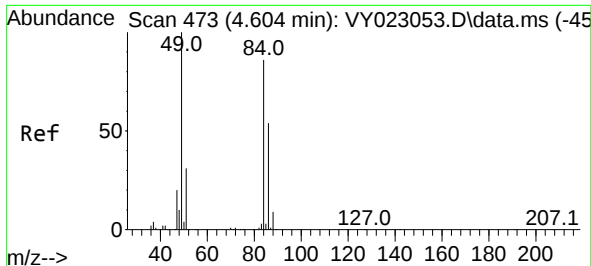
Tgt Ion:168 Resp: 669452
Ion Ratio Lower Upper
168 100
99 52.7 42.8 64.2



#16
Acetone
Concen: 4.189 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

Tgt Ion: 43 Resp: 5790
Ion Ratio Lower Upper
43 100
58 33.4 27.1 40.7



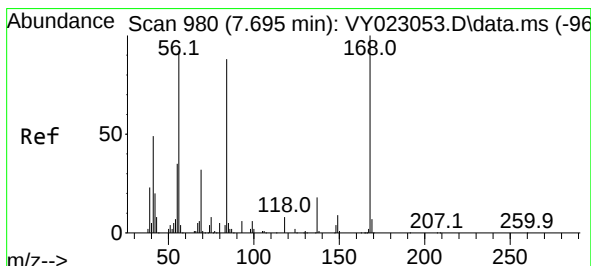
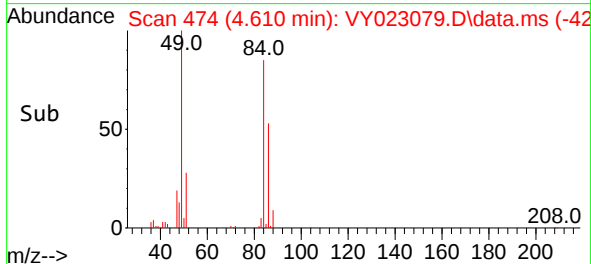
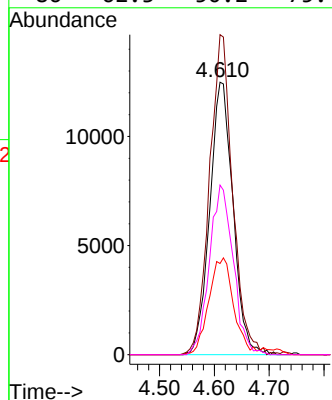
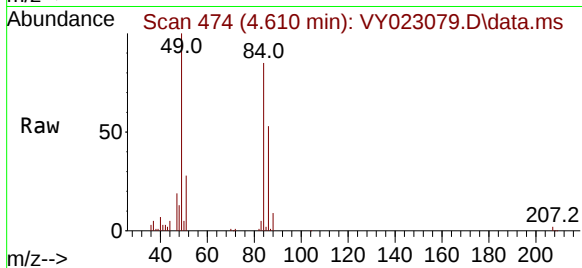


#20
Methylene Chloride
Concen: 2.548 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

Instrument :
MSVOA_Y
ClientSampleId :
38M-N

Tgt Ion: 84 Resp: 36826

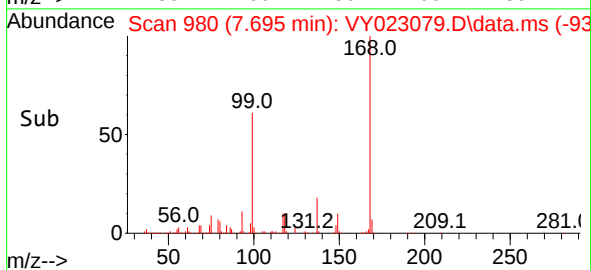
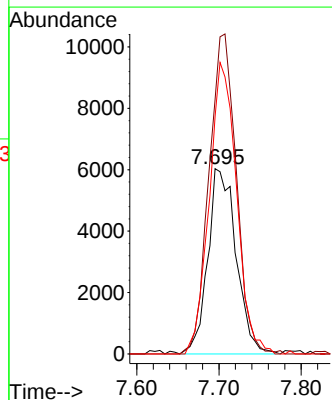
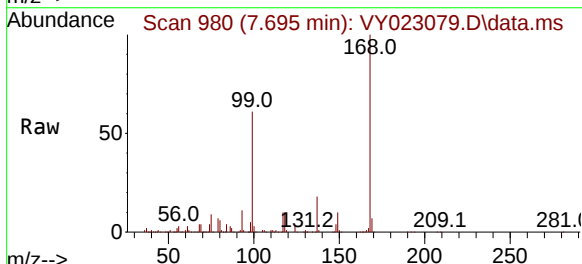
Ion	Ratio	Lower	Upper
84	100		
49	117.5	93.0	139.6
51	33.5	29.0	43.4
86	62.3	50.2	75.4



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.695 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

Tgt Ion: 56 Resp: 14423

Ion	Ratio	Lower	Upper
56	100		
69	137.3	28.2	42.2#
84	128.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 64.952 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023079.D

Acq: 13 Aug 2025 18:51

Instrument :

MSVOA_Y

ClientSampleId :

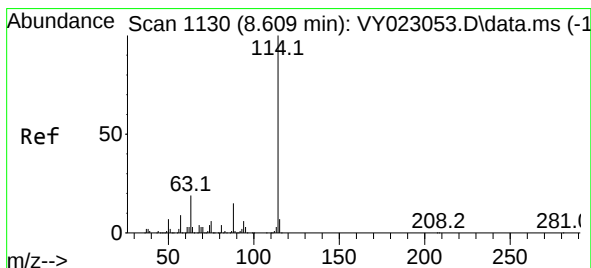
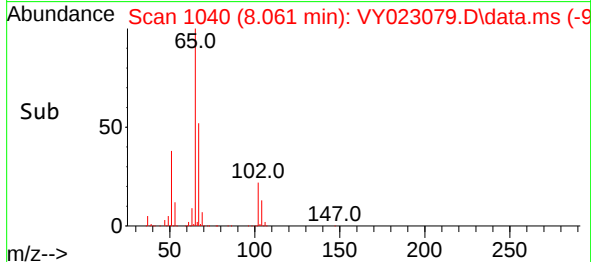
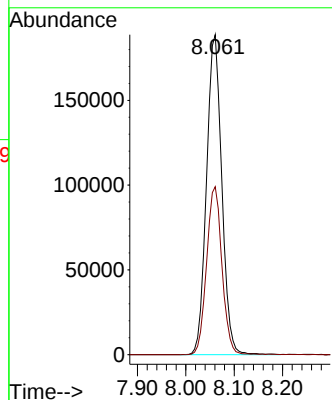
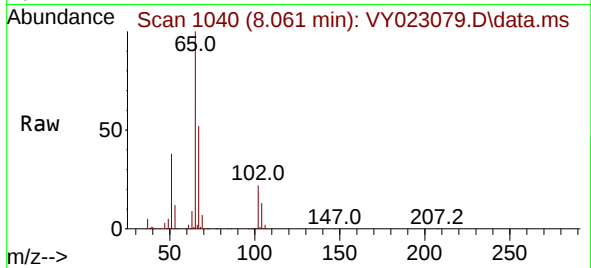
38M-N

Tgt Ion: 65 Resp: 414417

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023079.D

Acq: 13 Aug 2025 18:51

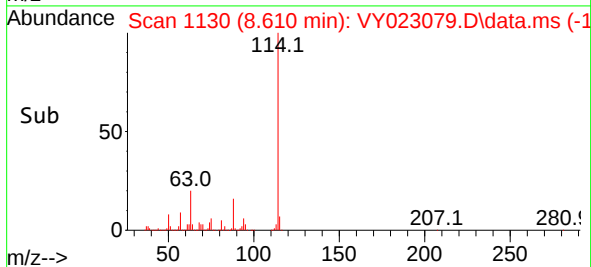
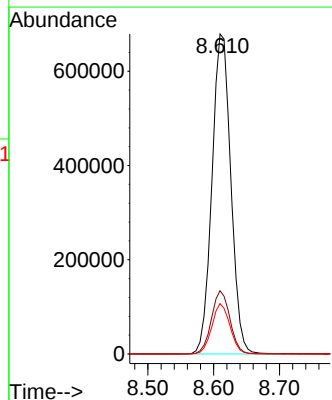
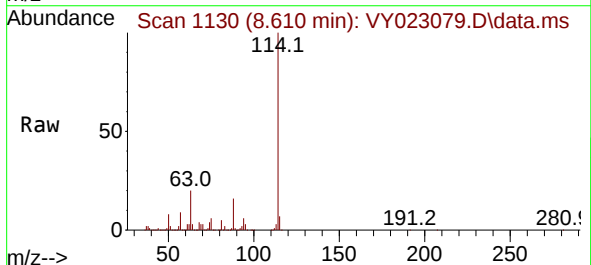
Tgt Ion:114 Resp: 1354583

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.7 0.0 30.0

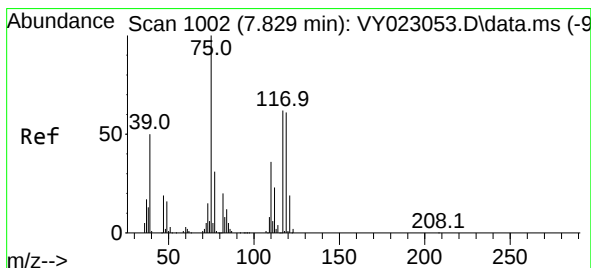
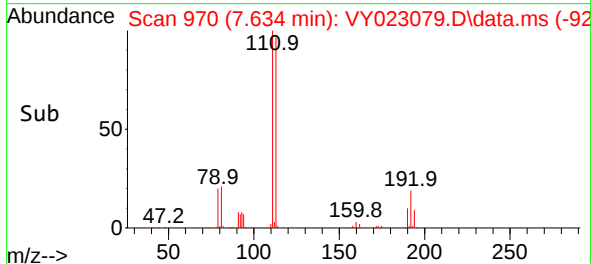
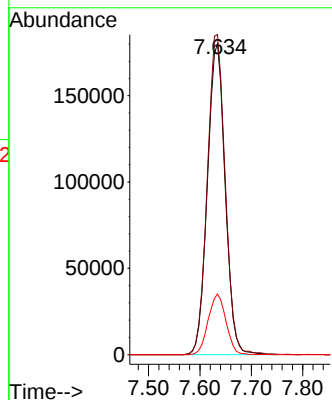
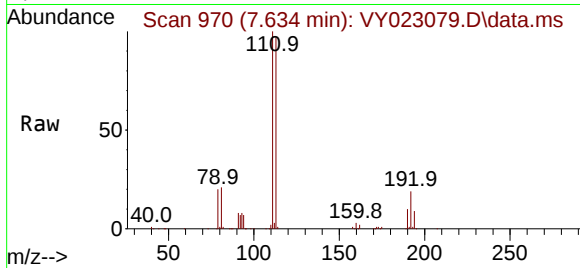




#35
Dibromofluoromethane
Concen: 53.350 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

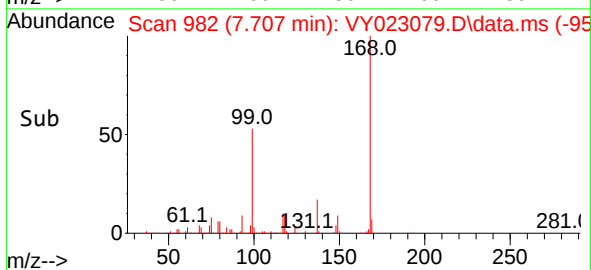
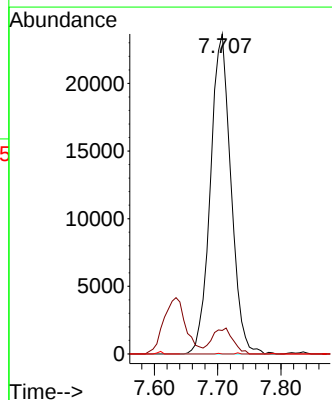
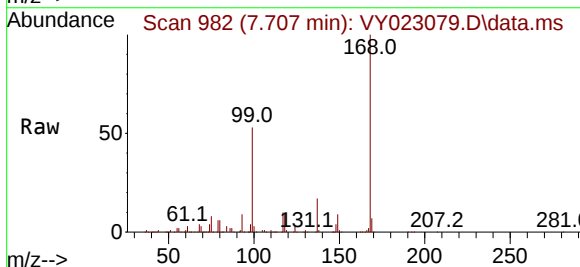
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ClientSampleId :
38M-N

Tgt Ion:113 Resp: 432425
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.422 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

Tgt Ion: 75 Resp: 53267
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 24.6 37.0#

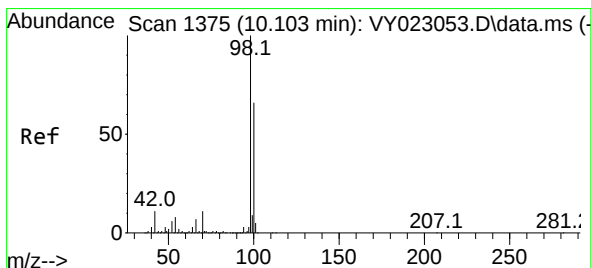
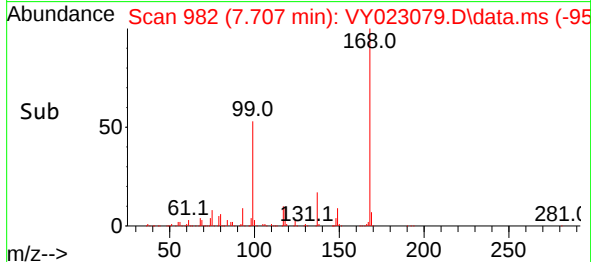
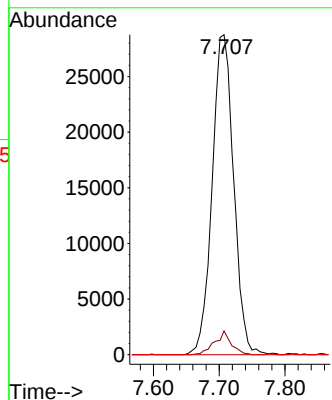
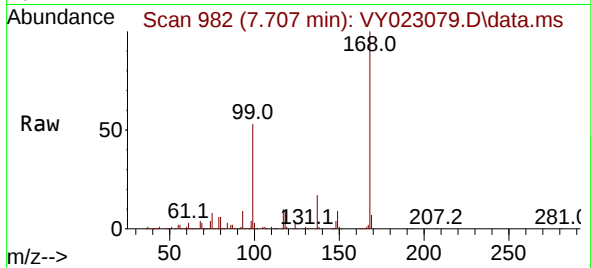




#38
Carbon Tetrachloride
Concen: 5.002 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

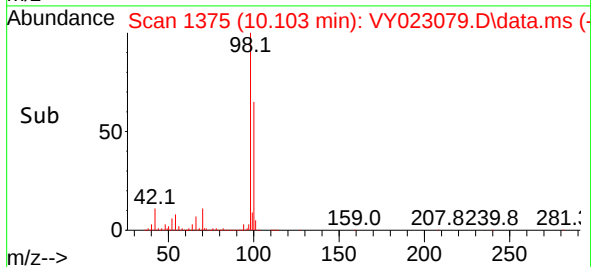
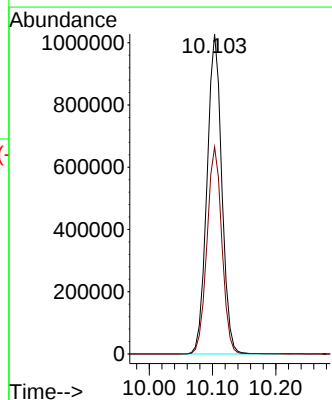
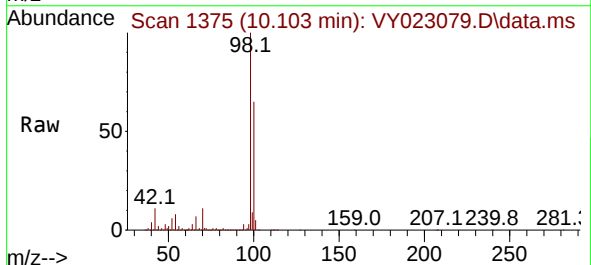
Instrument :
MSVOA_Y
ClientSampleId :
38M-N

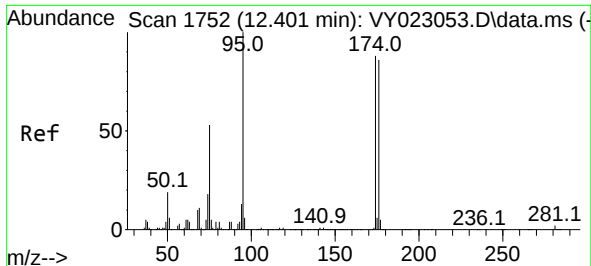
Tgt Ion:117 Resp: 65440
Ion Ratio Lower Upper
117 100
119 7.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 52.750 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

Tgt Ion: 98 Resp: 1670308
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

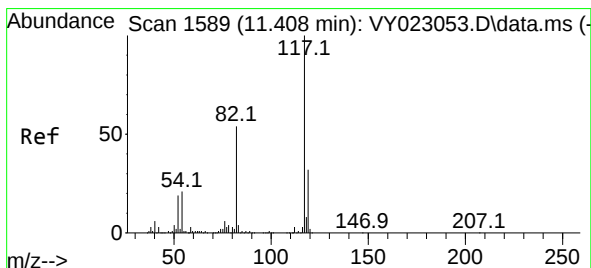
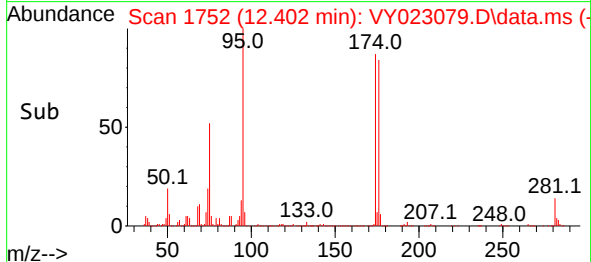
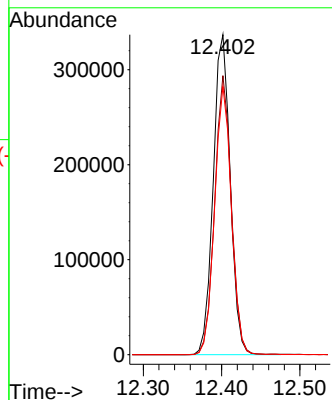
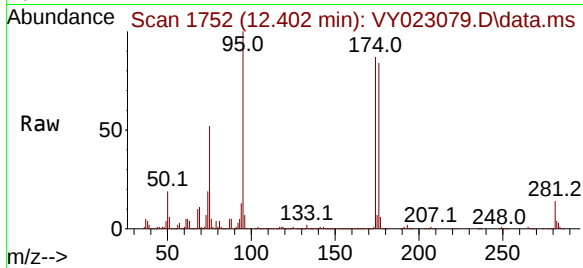




#62
4-Bromofluorobenzene
Concen: 49.895 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

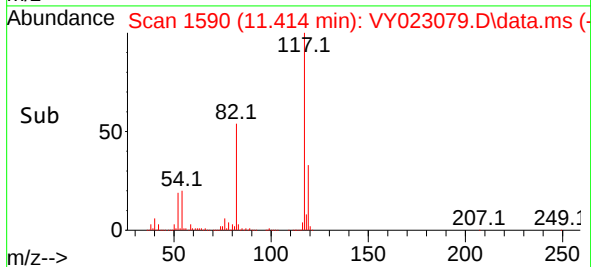
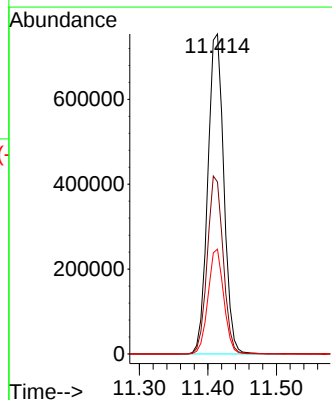
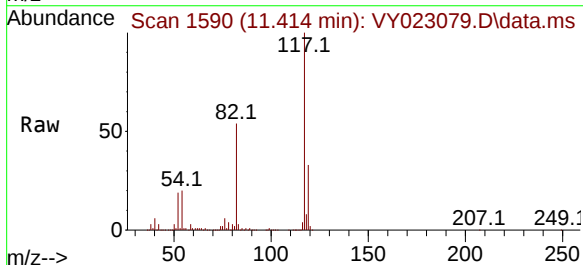
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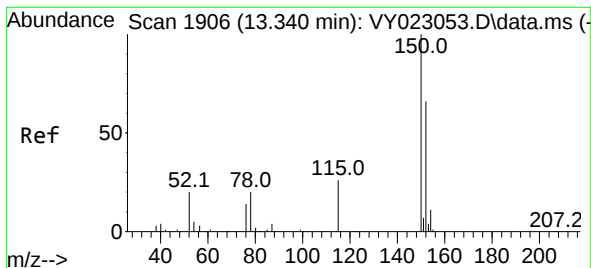
Tgt Ion: 95 Resp: 508089
Ion Ratio Lower Upper
95 100
174 85.6 0.0 171.6
176 82.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023079.D
Acq: 13 Aug 2025 18:51

Tgt Ion: 117 Resp: 1228757
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.7 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: VY023079.D

Acq: 13 Aug 2025 18:51

Instrument :

MSVOA_Y

ClientSampleId :

38M-N

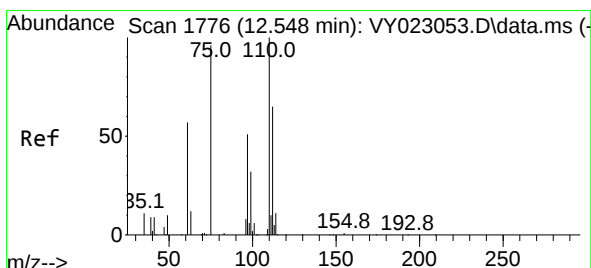
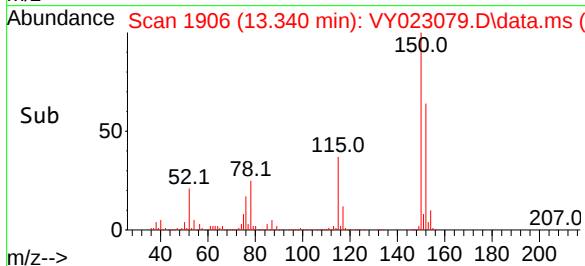
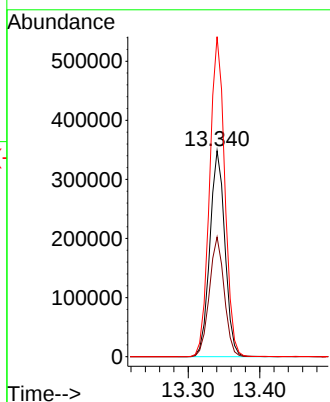
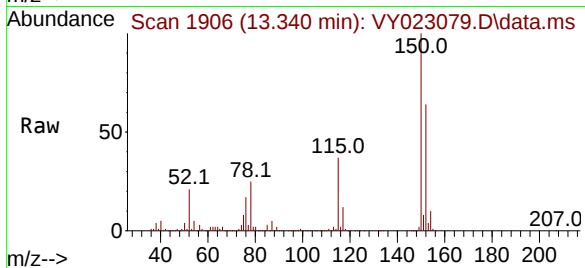
Tgt Ion:152 Resp: 509432

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.6

150 156.3 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 55.381 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023079.D

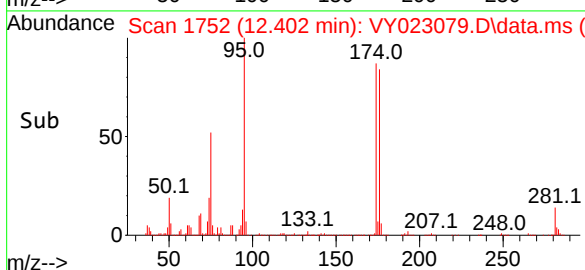
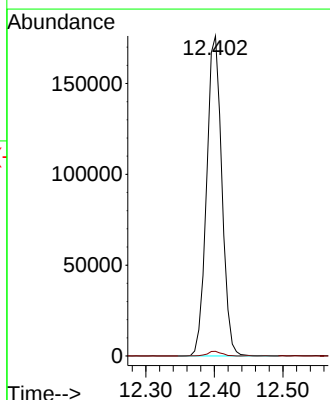
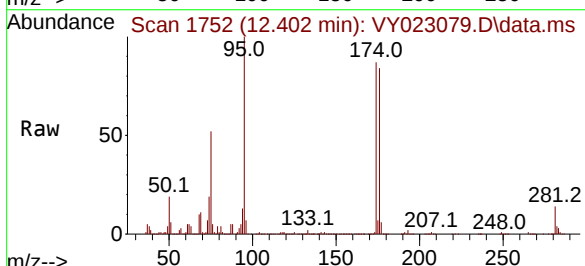
Acq: 13 Aug 2025 18:51

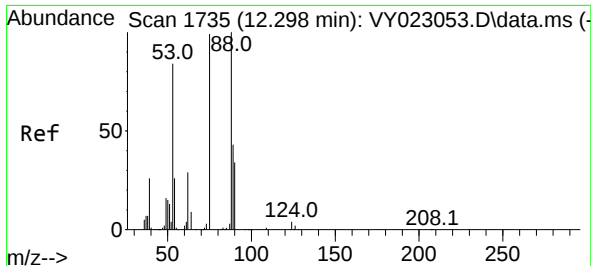
Tgt Ion: 75 Resp: 272282

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

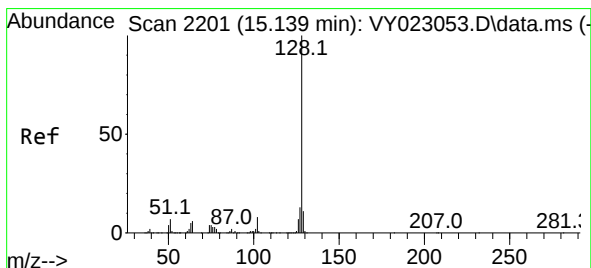
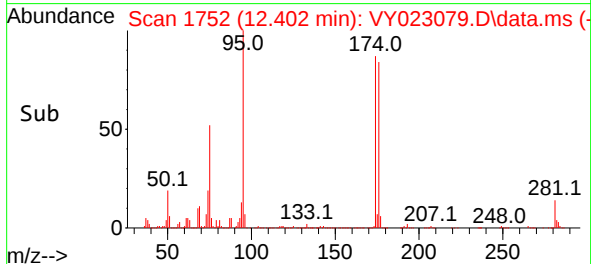
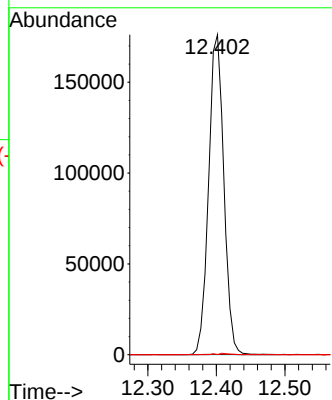
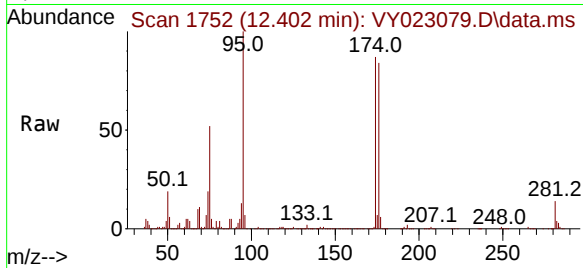




#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.059 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023079.D
 Acq: 13 Aug 2025 18:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 38M-N

Tgt Ion: 75 Resp: 272282
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.4 38.1 57.1#



#95
 Naphthalene
 Concen: 1.709 ug/l
 RT: 15.139 min Scan# 2201
 Delta R.T. 0.000 min
 Lab File: VY023079.D
 Acq: 13 Aug 2025 18:51

Tgt Ion: 128 Resp: 25566
 Ion Ratio Lower Upper
 128 100
 127 11.7 10.4 15.6
 129 11.6 9.0 13.4

