

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023072.D
 Acq On : 13 Aug 2025 16:06
 Operator : SY/MD
 Sample : Q2819-10
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-S

Quant Time: Aug 14 01:25:57 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)

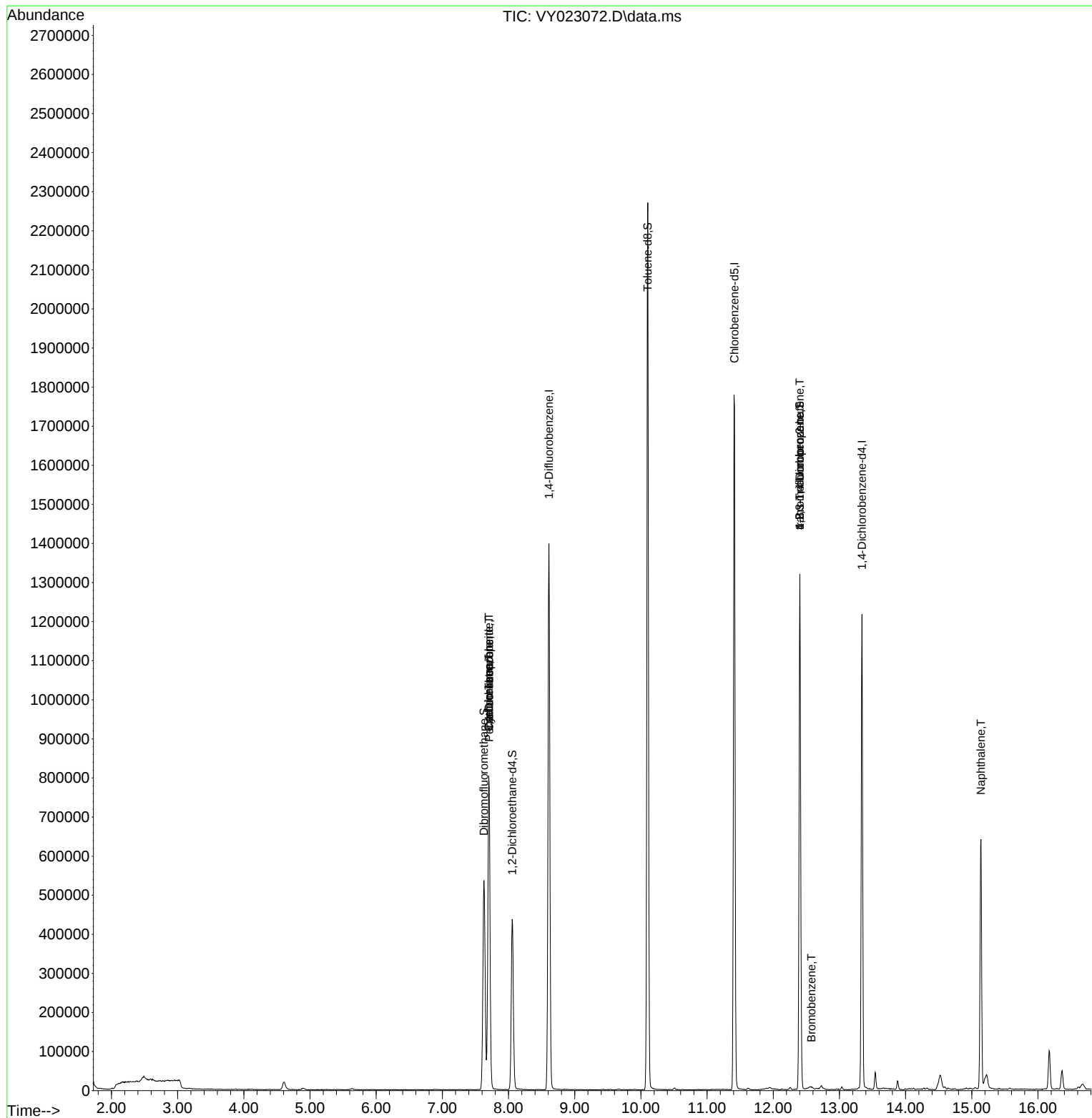
Internal Standards						
1) Pentafluorobenzene	7.707	168	616963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1186470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	951178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	298114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	347001	59.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.020%	
35) Dibromofluoromethane	7.628	113	378899	53.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.740%	
50) Toluene-d8	10.103	98	1431015	51.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	12.402	95	346712	38.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.740%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	14393	Below Cal		93
31) Cyclohexane	7.701	56	13803	1.260	ug/l #	25
36) 1,1-Dichloropropene	7.701	75	50287	4.766	ug/l #	49
38) Carbon Tetrachloride	7.701	117	61581	5.374	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	188371	65.472	ug/l #	100
77) Bromobenzene	12.578	156	9076	1.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	188371	158.487	ug/l #	14
95) Naphthalene	15.139	128	515565	58.894	ug/l	99

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

Quant Time: Aug 14 01:25:57 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

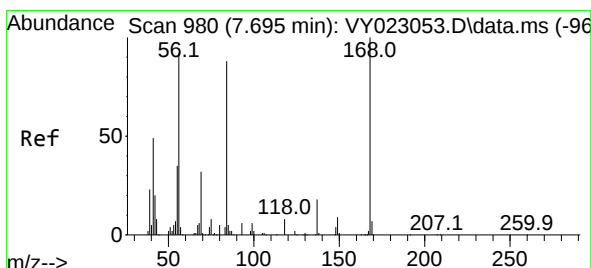
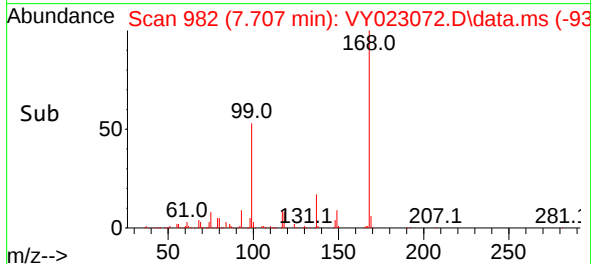
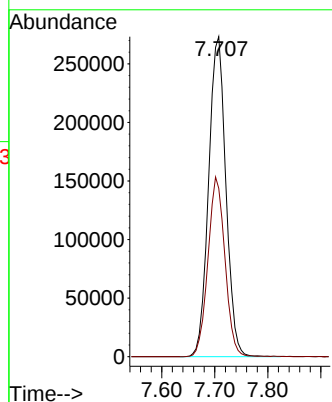
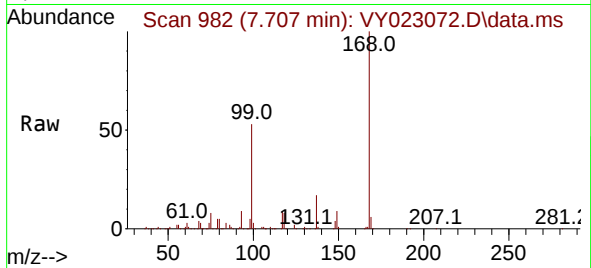




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

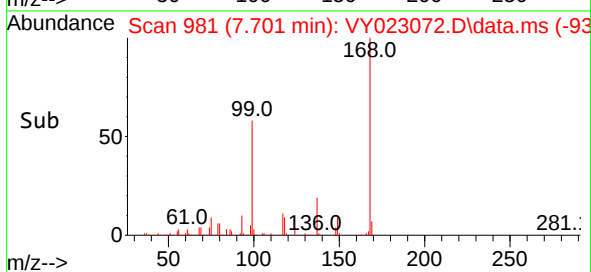
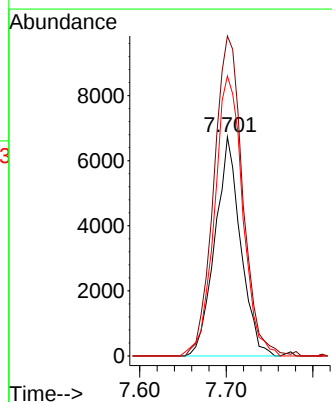
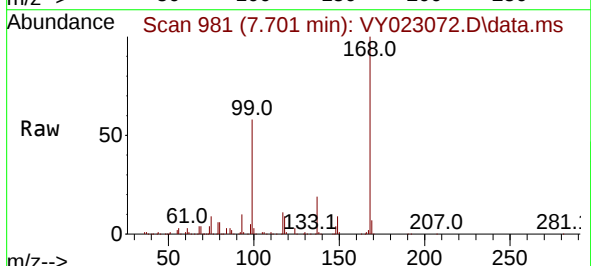
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

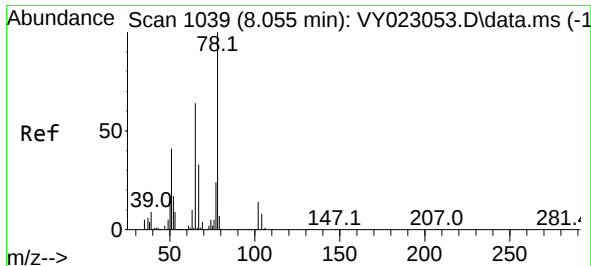
Tgt Ion:168 Resp: 616963
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion: 56 Resp: 13803
Ion Ratio Lower Upper
56 100
69 146.1 28.2 42.2#
84 127.9 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 59.013 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023072.D

Acq: 13 Aug 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

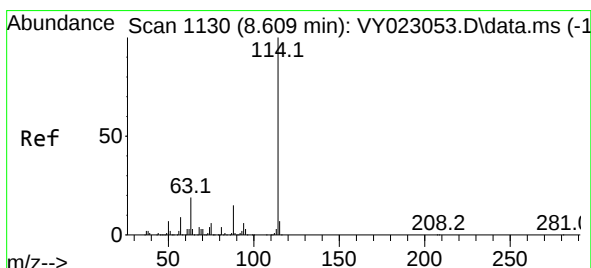
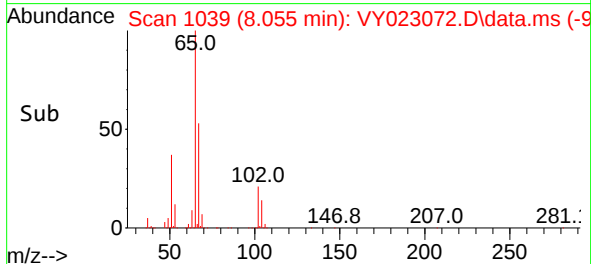
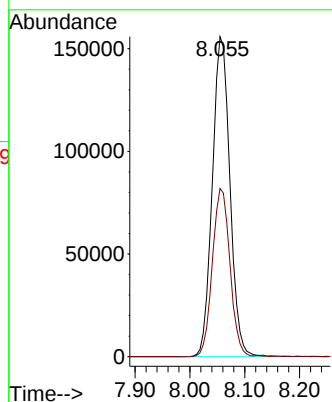
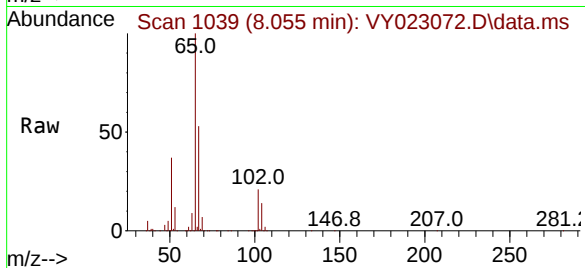
84SB-S

Tgt Ion: 65 Resp: 347001

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: VY023072.D

Acq: 13 Aug 2025 16:06

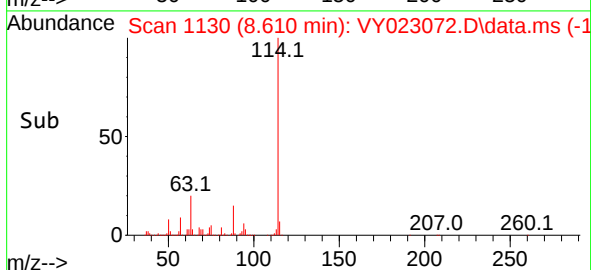
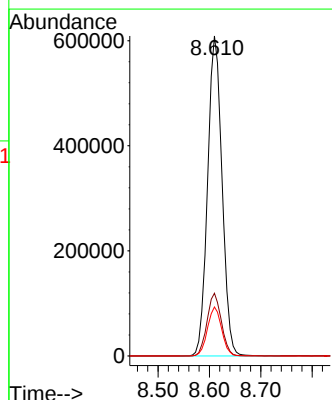
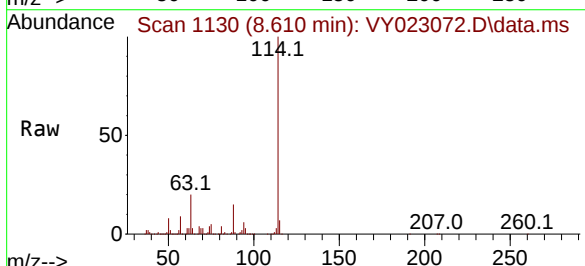
Tgt Ion: 114 Resp: 1186470

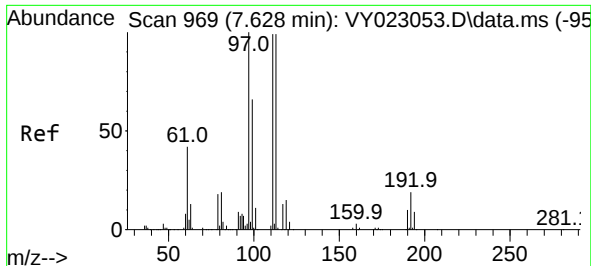
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.3 0.0 30.0

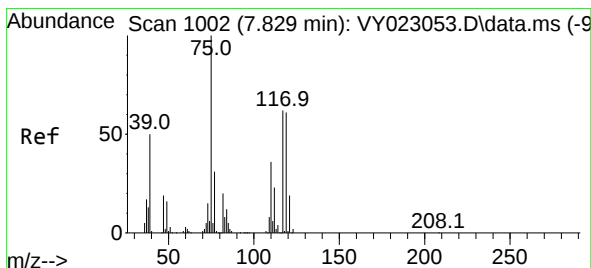
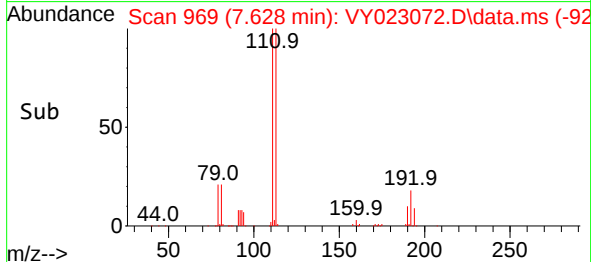
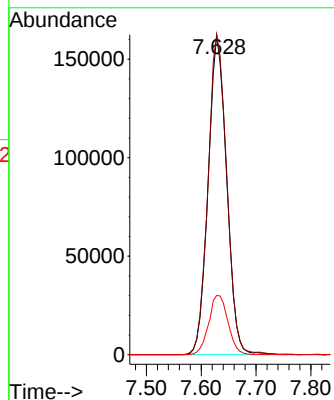
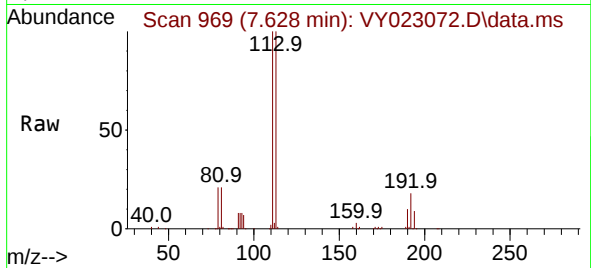




#35
Dibromofluoromethane
Concen: 53.370 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

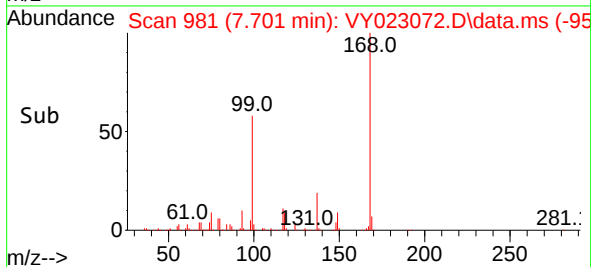
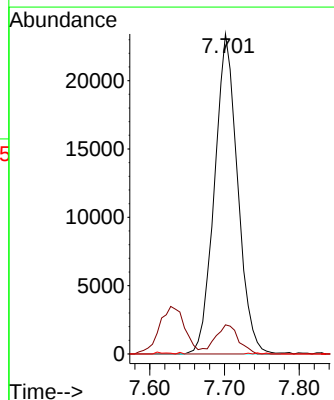
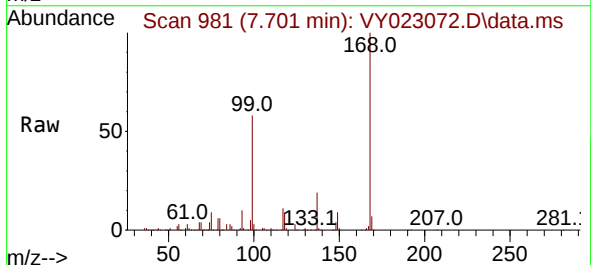
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

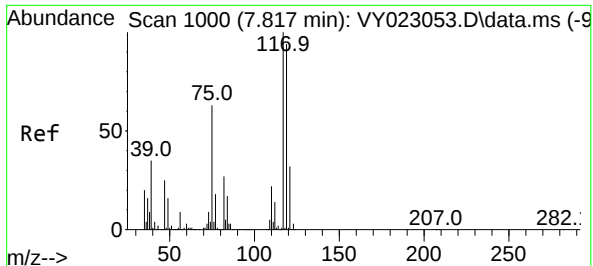
Tgt Ion:113 Resp: 378899
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.766 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion: 75 Resp: 50287
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 24.6 37.0#

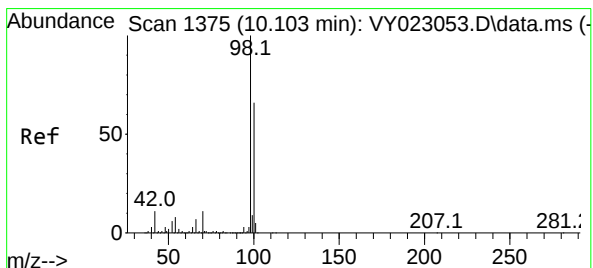
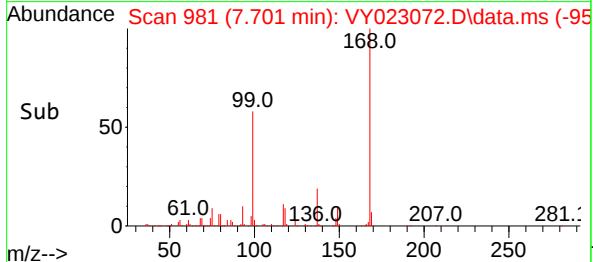
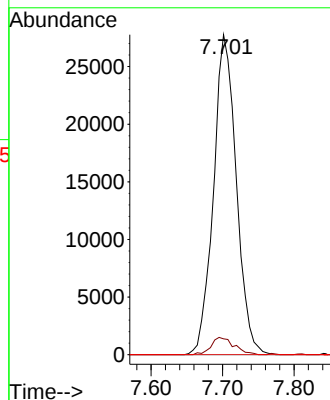
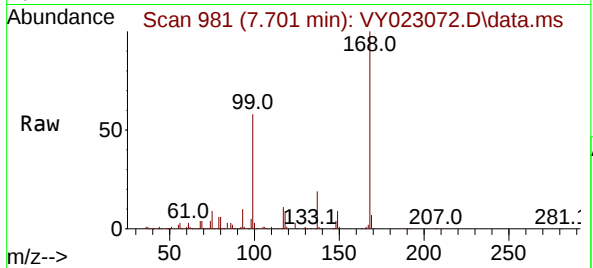




#38
Carbon Tetrachloride
Concen: 5.374 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

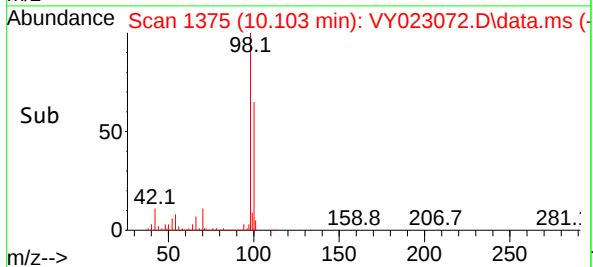
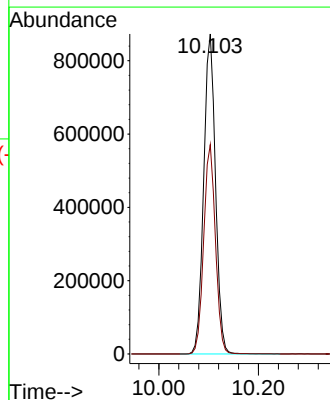
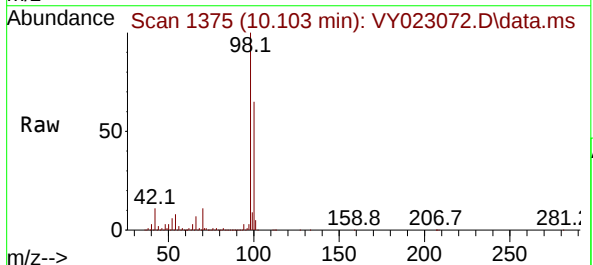
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

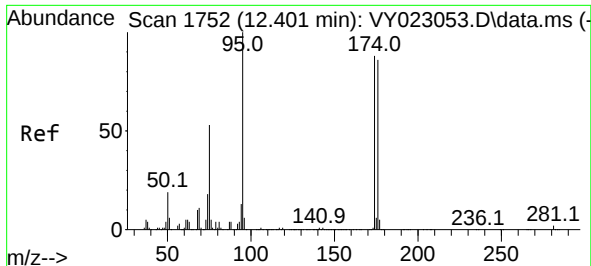
Tgt Ion:117 Resp: 61581
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.597 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion: 98 Resp: 1431015
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

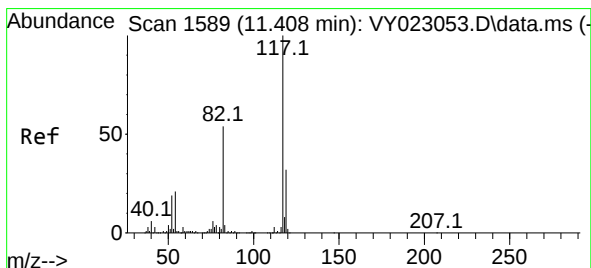
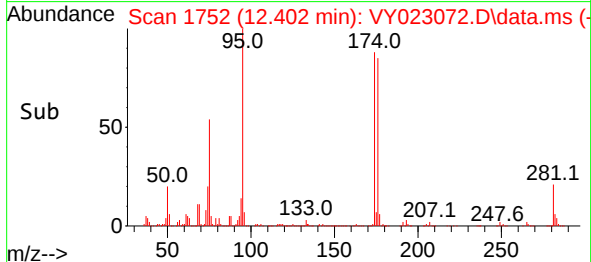
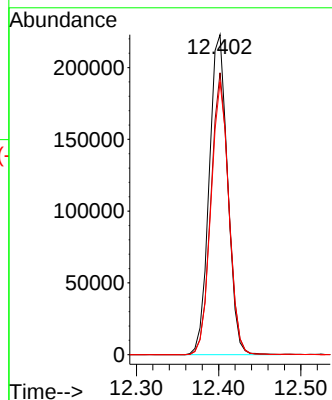
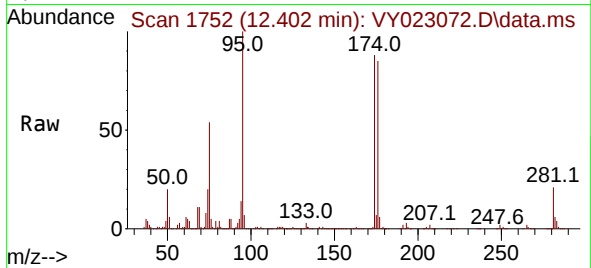




#62
4-Bromofluorobenzene
Concen: 38.872 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

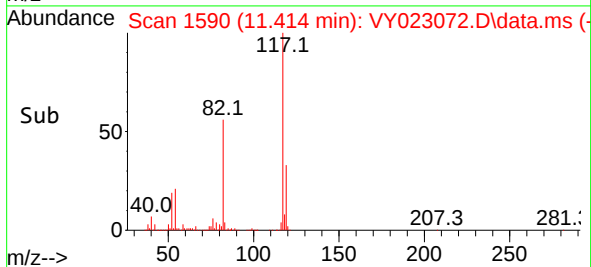
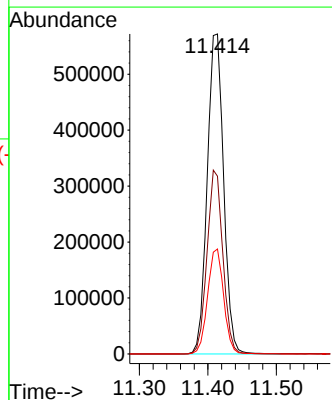
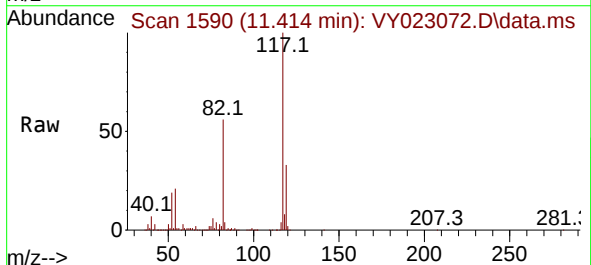
Instrument :
MSVOA_Y
ClientSampleId :
84SB-S

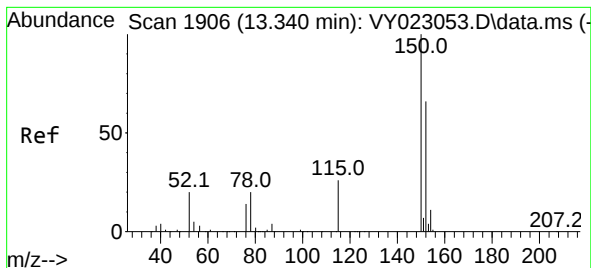
Tgt Ion: 95 Resp: 346712
Ion Ratio Lower Upper
95 100
174 85.1 0.0 171.6
176 83.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023072.D
Acq: 13 Aug 2025 16:06

Tgt Ion: 117 Resp: 951178
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.8 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: VY023072.D

Acq: 13 Aug 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

84SB-S

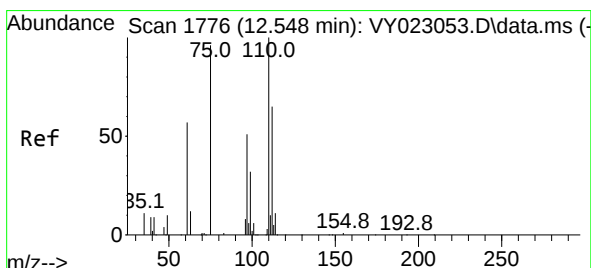
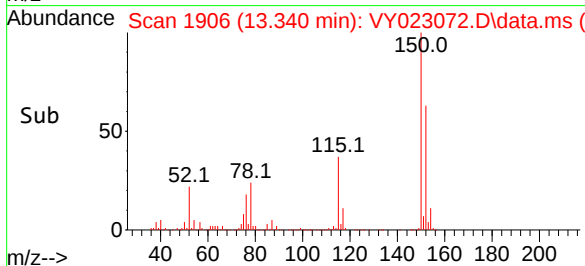
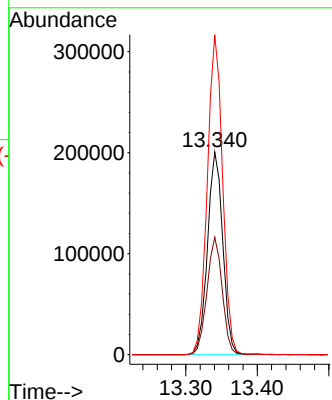
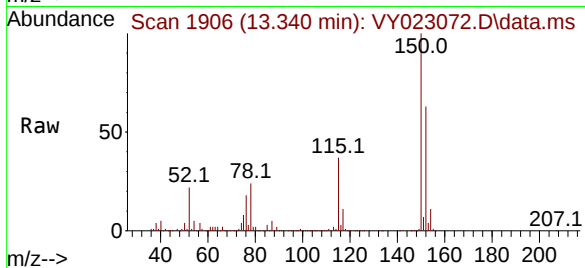
Tgt Ion:152 Resp: 298114

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.6

150 157.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 65.472 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023072.D

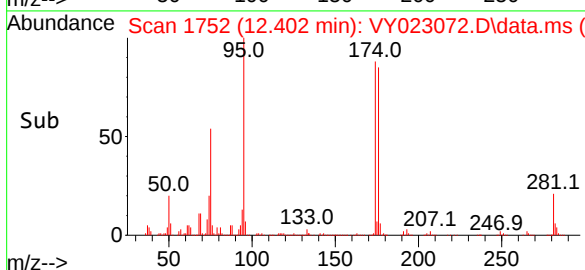
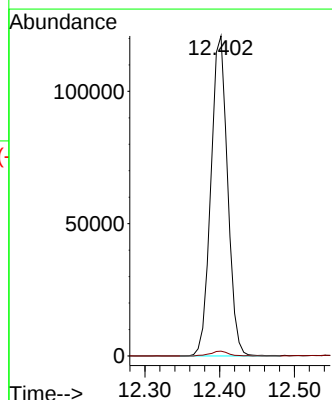
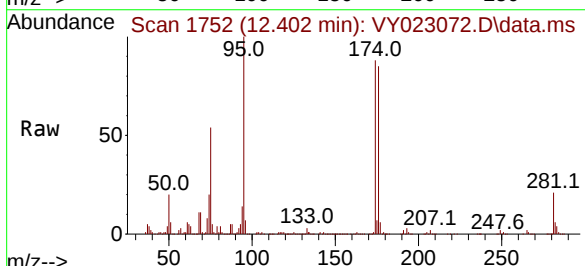
Acq: 13 Aug 2025 16:06

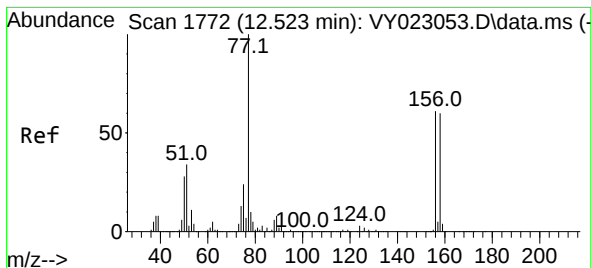
Tgt Ion: 75 Resp: 188371

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#77

Bromobenzene

Concen: 1.808 ug/l

RT: 12.578 min Scan# 1752

Delta R.T. 0.055 min

Lab File: VY023072.D

Acq: 13 Aug 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

84SB-S

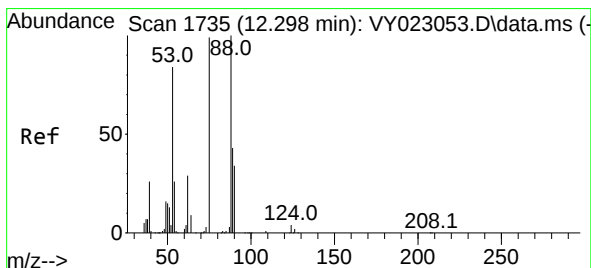
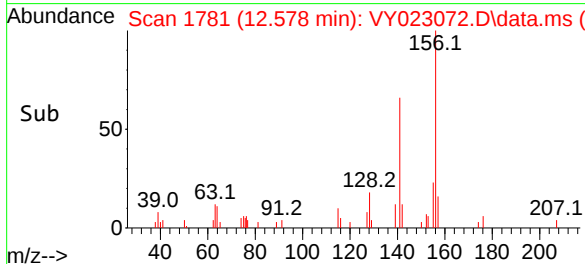
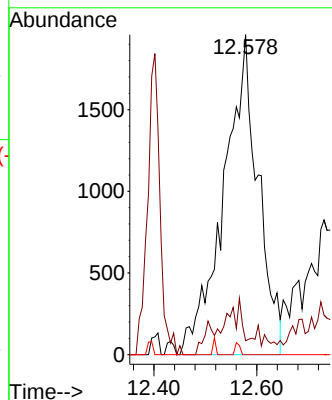
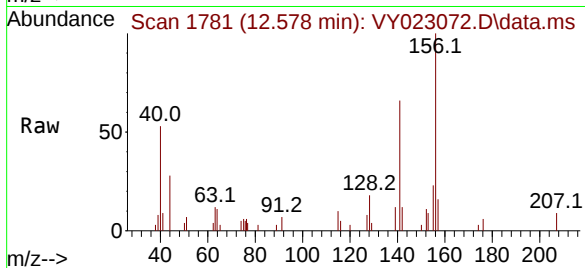
Tgt Ion:156 Resp: 9076

Ion Ratio Lower Upper

156 100

77 0.0 88.1 264.4#

158 0.0 48.0 144.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 158.487 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023072.D

Acq: 13 Aug 2025 16:06

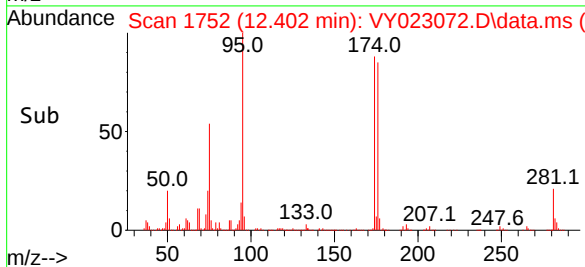
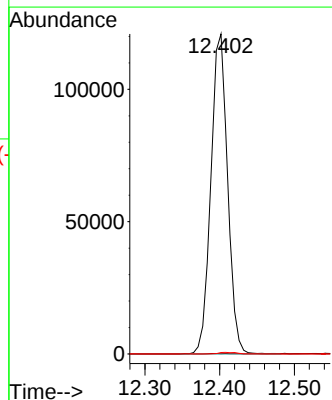
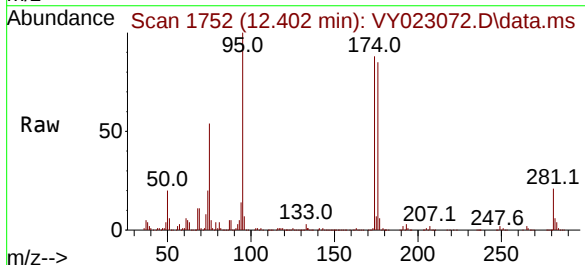
Tgt Ion: 75 Resp: 188371

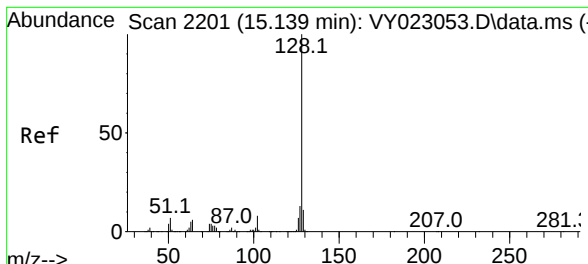
Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

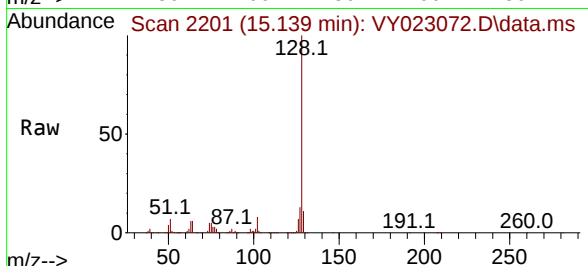
89 0.5 38.1 57.1#





#95
 Naphthalene
 Concen: 58.894 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023072.D
 Acq: 13 Aug 2025 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 84SB-S



Tgt Ion:128 Resp: 515565

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	9.0	13.4

