

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023118.D
 Acq On : 15 Aug 2025 11:54
 Operator : SY/MD
 Sample : Q2820-21
 Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-N

Quant Time: Aug 18 02:27:52 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)

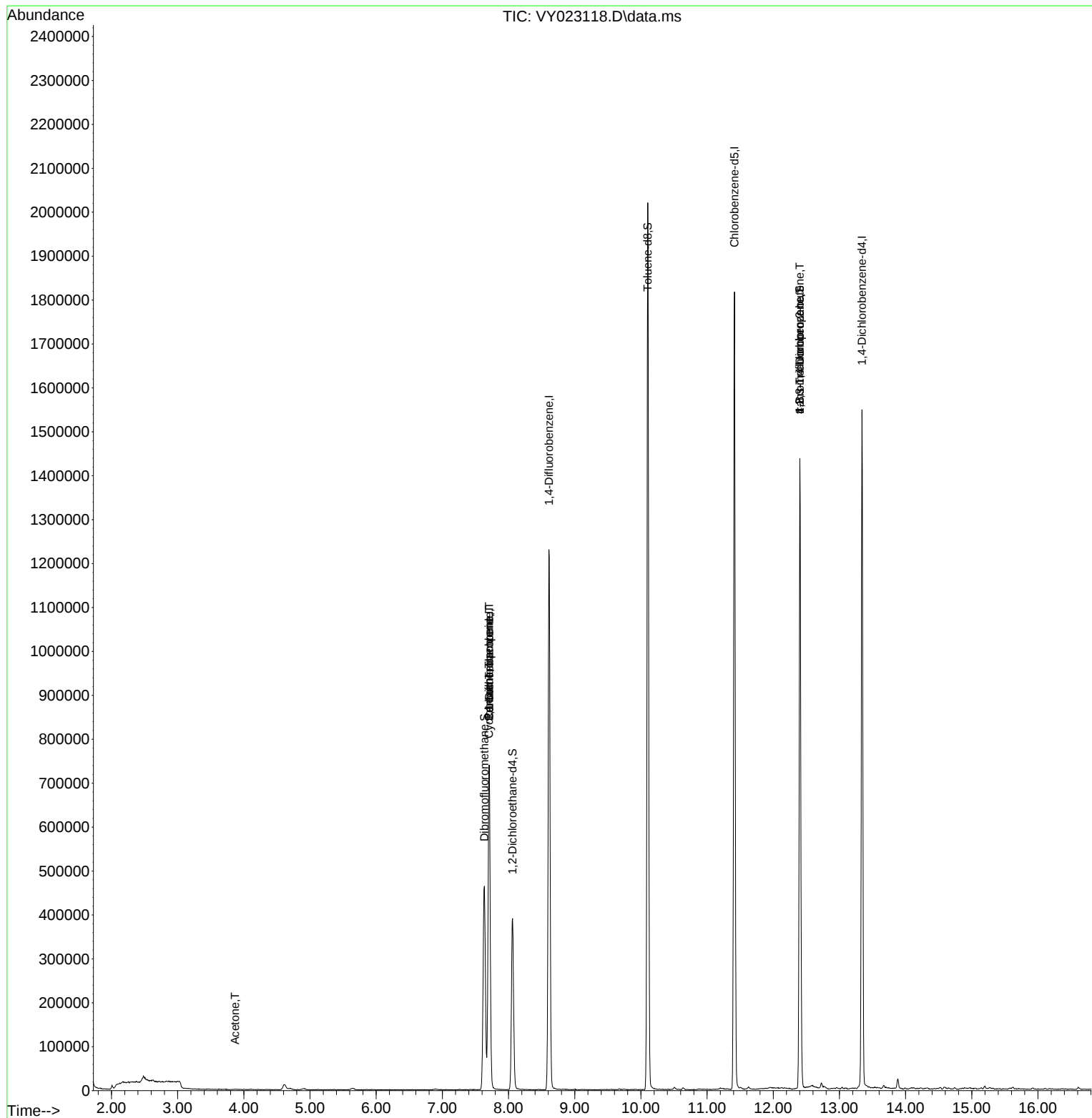
Internal Standards						
1) Pentafluorobenzene	7.707	168	570930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1075634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	964069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	387628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310901	57.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.280%	
35) Dibromofluoromethane	7.634	113	339136	52.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.380%	
50) Toluene-d8	10.103	98	1302624	51.807	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.620%	
62) 4-Bromofluorobenzene	12.402	95	391385	48.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	1194	1.013	ug/l #	83
20) Methylene Chloride	4.616	84	9238	Below Cal		92
31) Cyclohexane	7.701	56	11531	1.138	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	44836	4.687	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57622	5.546	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	208245	55.665	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	208245	134.748	ug/l #	14

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Time: Aug 18 02:27:52 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

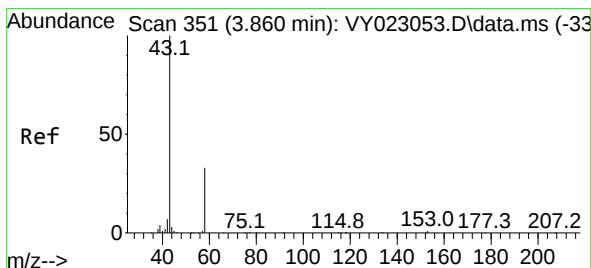
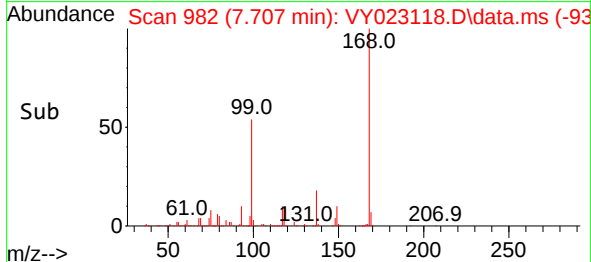
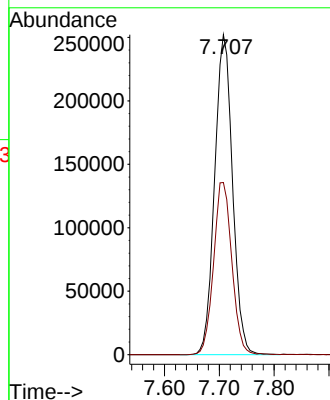
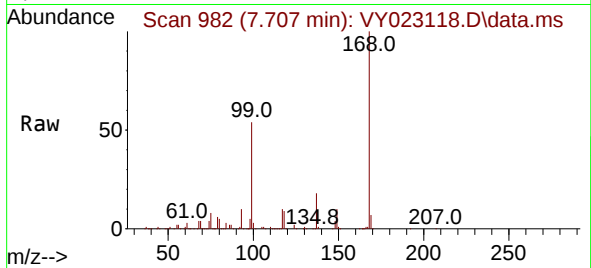




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

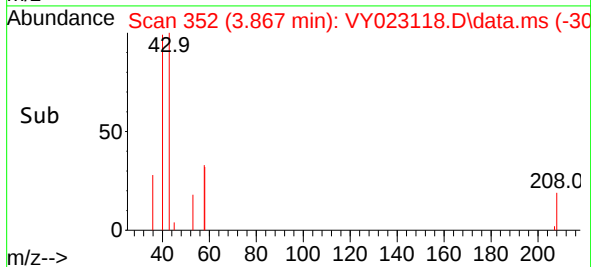
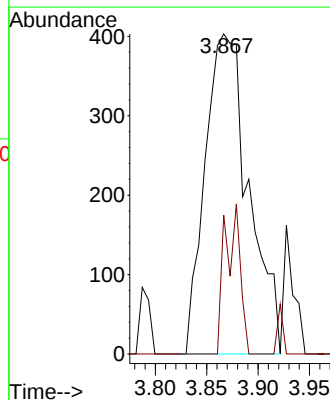
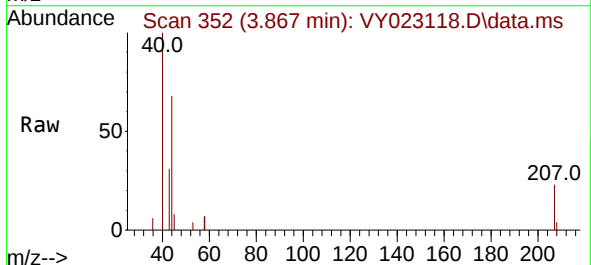
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

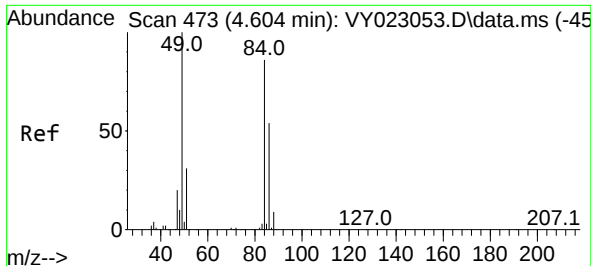
Tgt Ion:168 Resp: 570930
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#16
Acetone
Concen: 1.013 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
58 43.4 27.1 40.7#



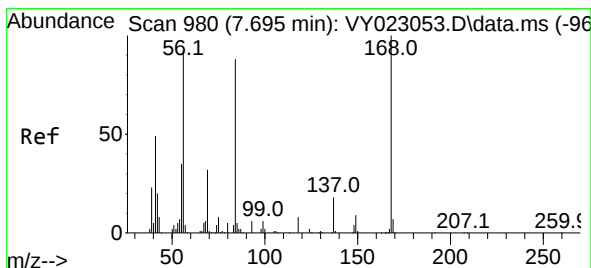
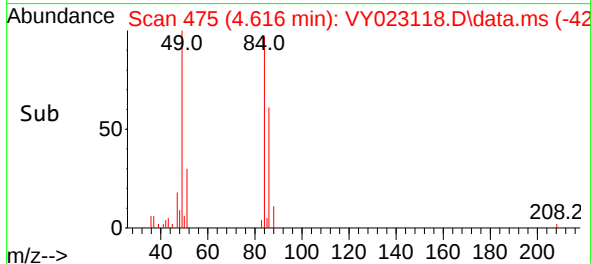
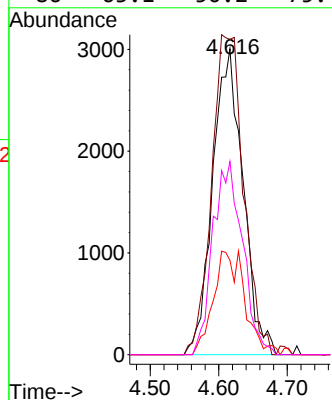
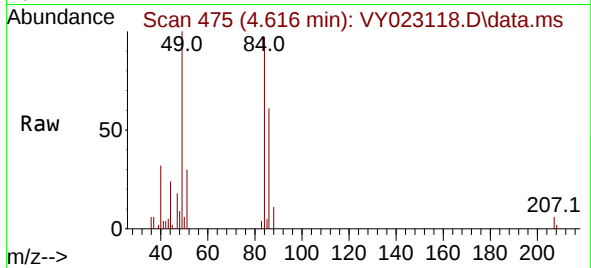


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Tgt Ion: 84 Resp: 9238

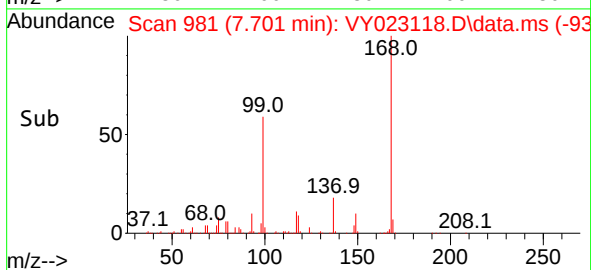
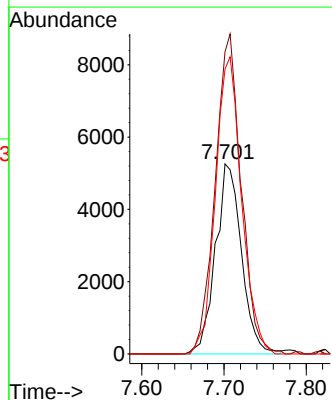
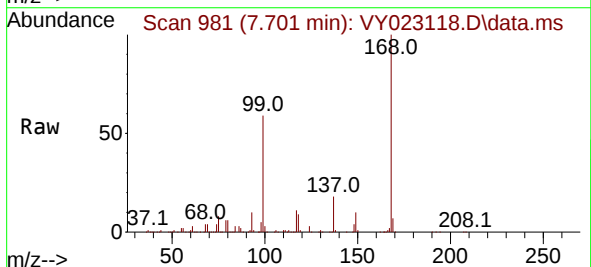
Ion	Ratio	Lower	Upper
84	100		
49	103.1	93.0	139.6
51	30.8	29.0	43.4
86	63.1	50.2	75.4

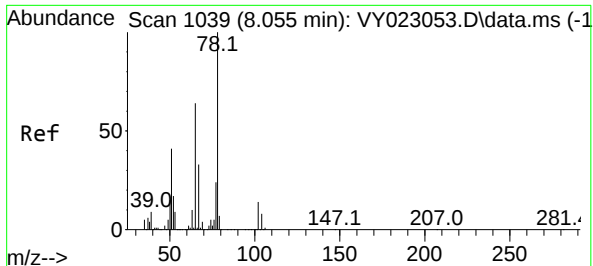


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 56 Resp: 11531

Ion	Ratio	Lower	Upper
56	100		
69	159.0	28.2	42.2#
84	149.9	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.137 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

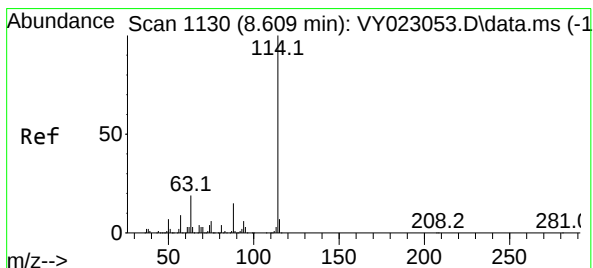
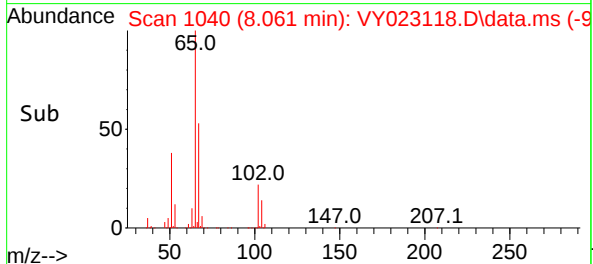
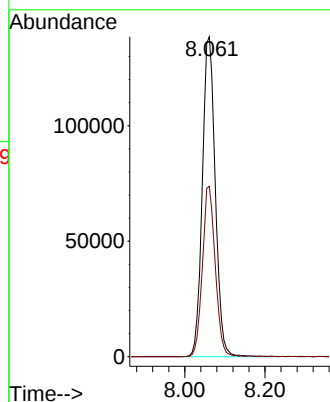
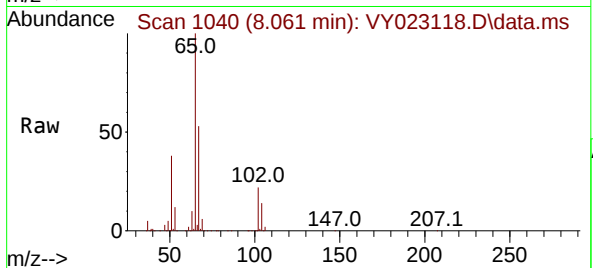
22M-N

Tgt Ion: 65 Resp: 310901

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023118.D

Acq: 15 Aug 2025 11:54

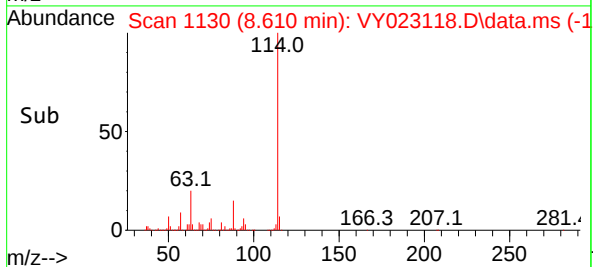
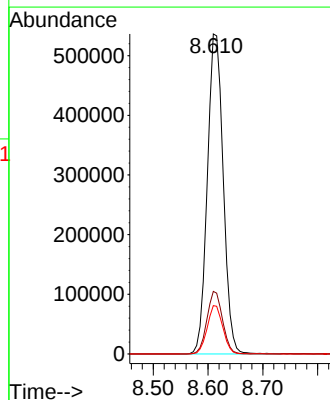
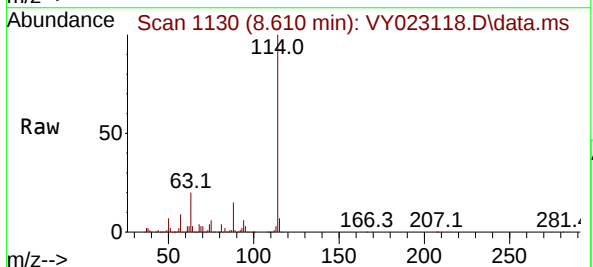
Tgt Ion: 114 Resp: 1075634

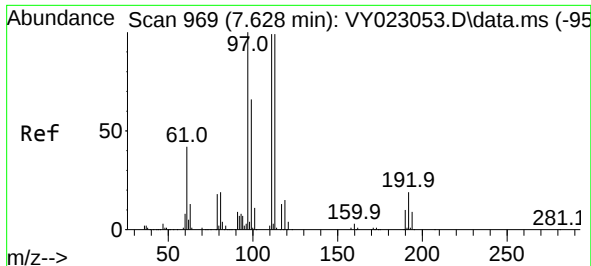
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.692 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

22M-N

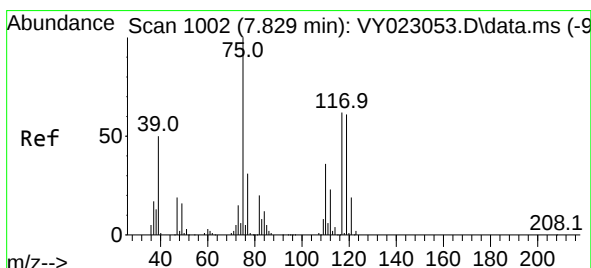
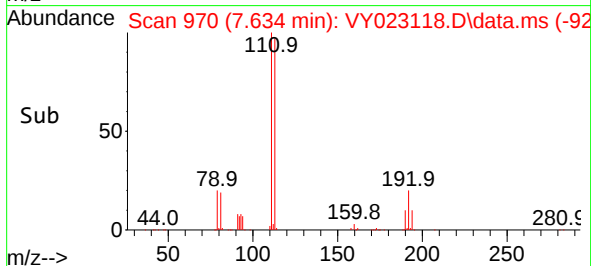
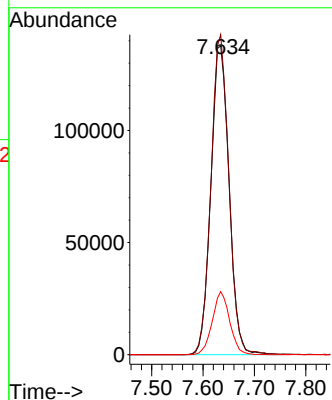
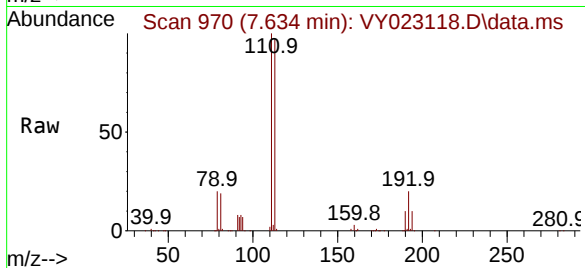
Tgt Ion:113 Resp: 339136

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 19.5 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.687 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

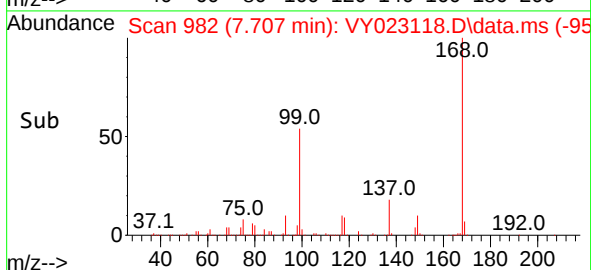
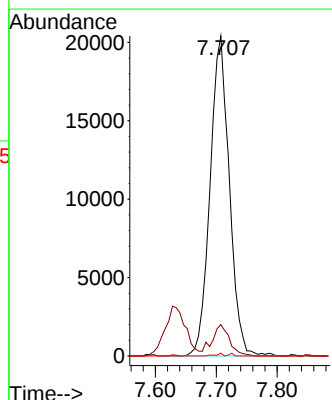
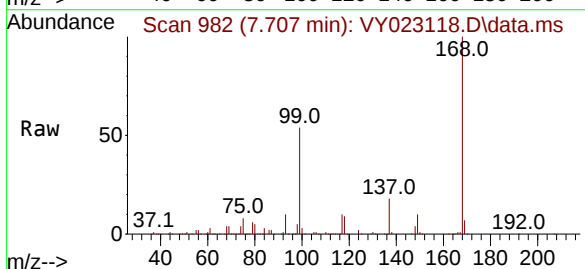
Tgt Ion: 75 Resp: 44836

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

77 0.3 24.6 37.0#

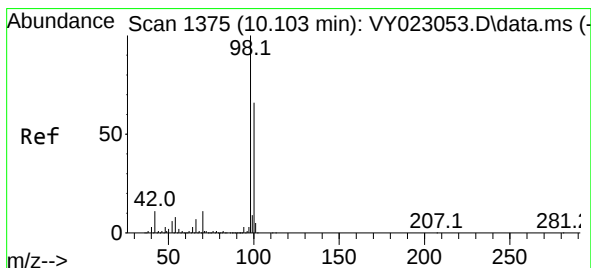
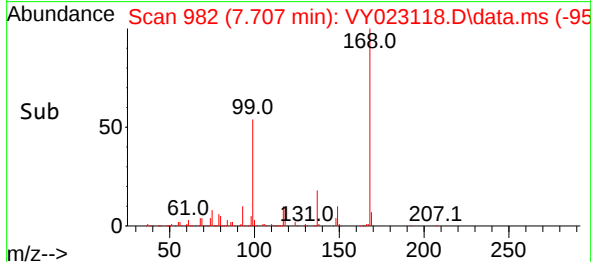
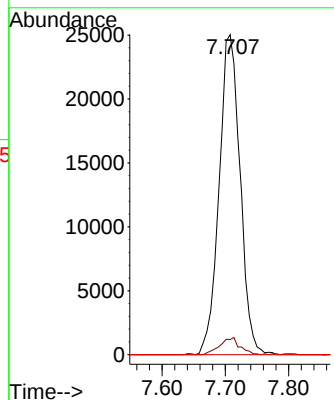
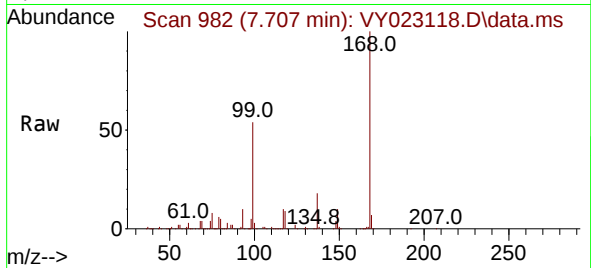




#38
Carbon Tetrachloride
Concen: 5.546 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

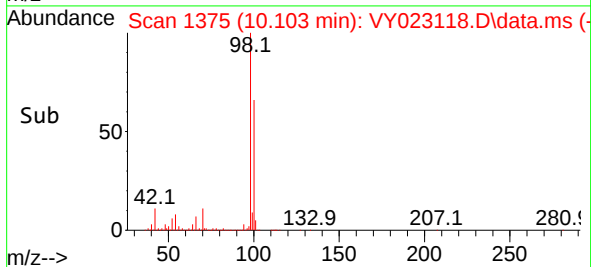
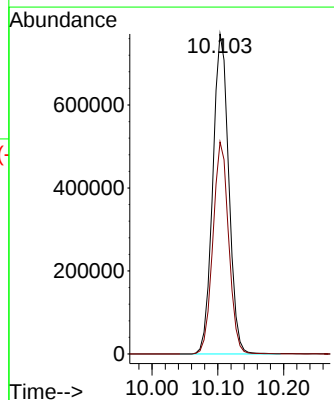
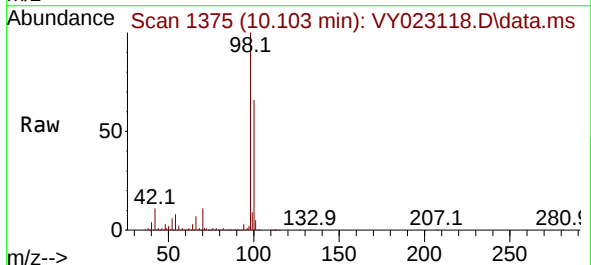
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

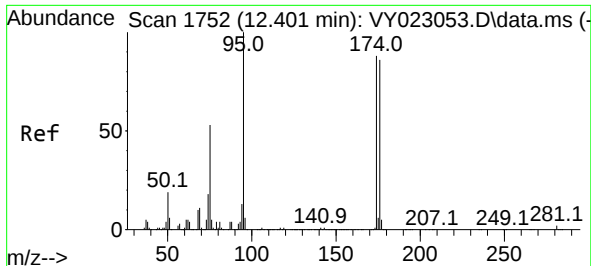
Tgt Ion:117 Resp: 57622
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.807 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 98 Resp: 1302624
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

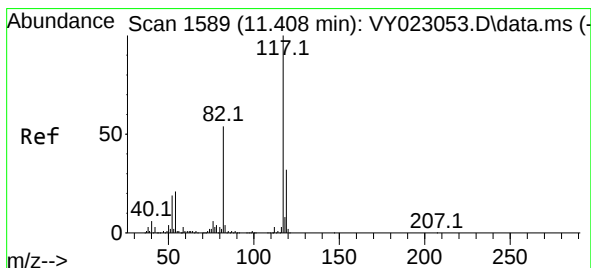
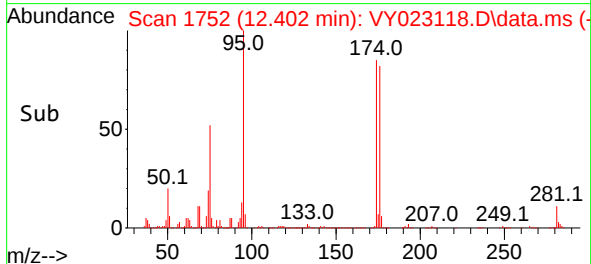
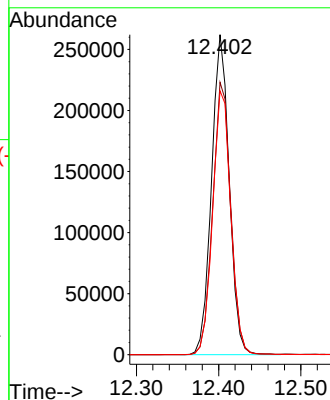
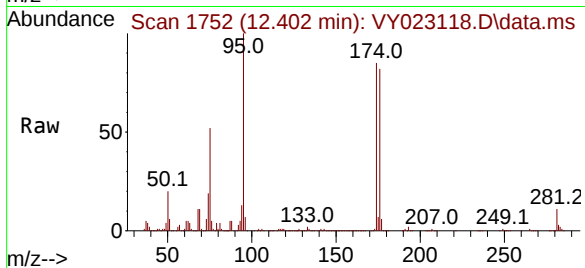




#62
4-Bromofluorobenzene
Concen: 48.402 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

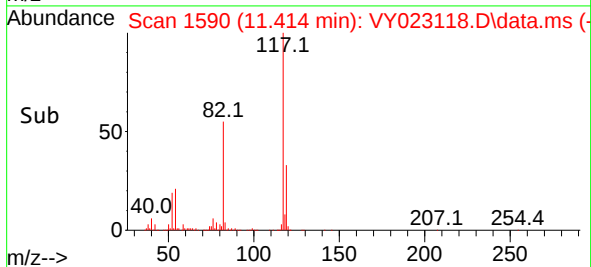
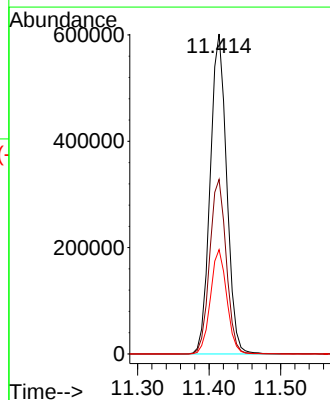
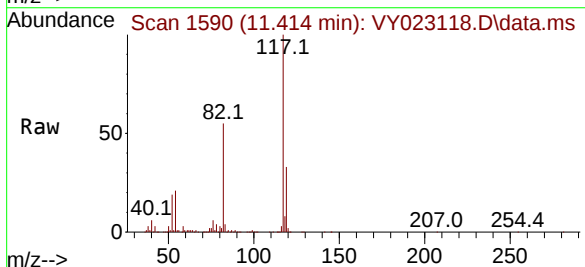
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

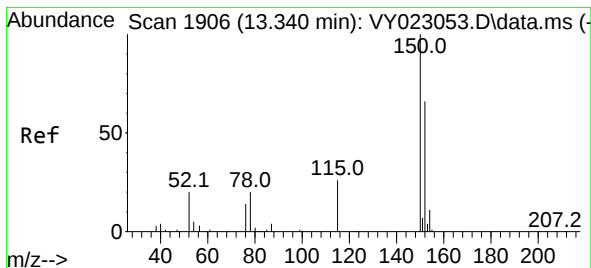
Tgt Ion: 95 Resp: 391385
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 84.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 117 Resp: 964069
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.6 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: VY023118.D

Acq: 15 Aug 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

22M-N

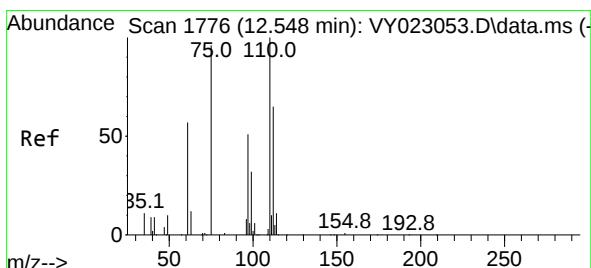
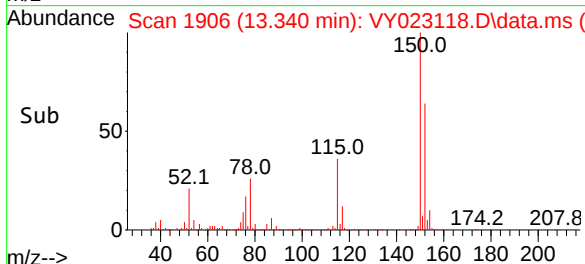
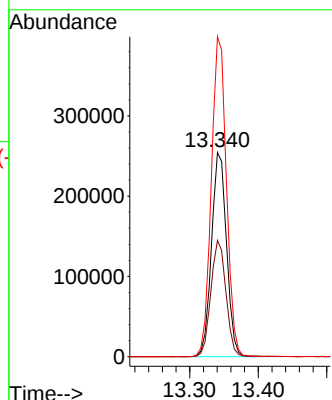
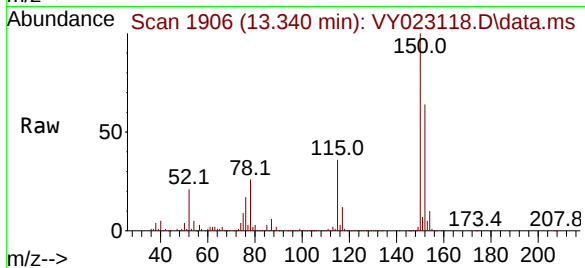
Tgt Ion:152 Resp: 387628

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 157.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 55.665 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023118.D

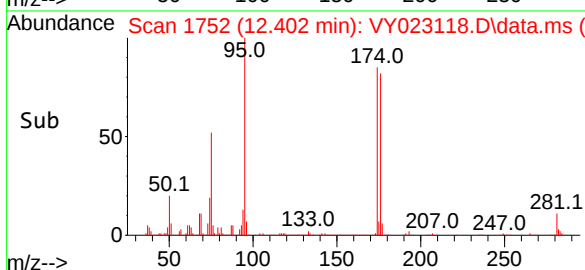
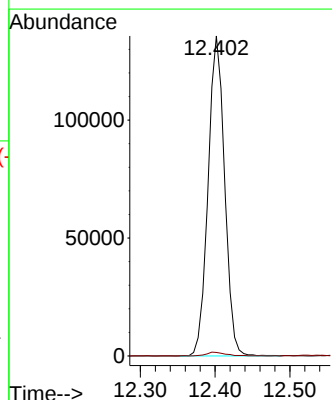
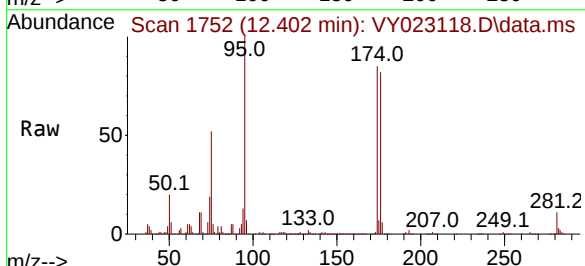
Acq: 15 Aug 2025 11:54

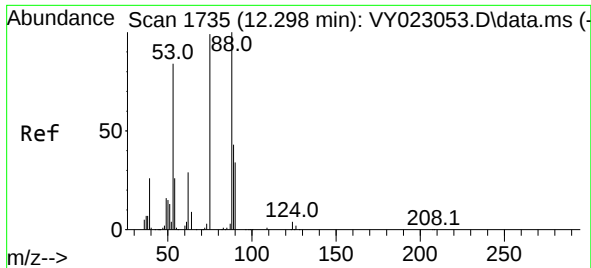
Tgt Ion: 75 Resp: 208245

Ion Ratio Lower Upper

75 100

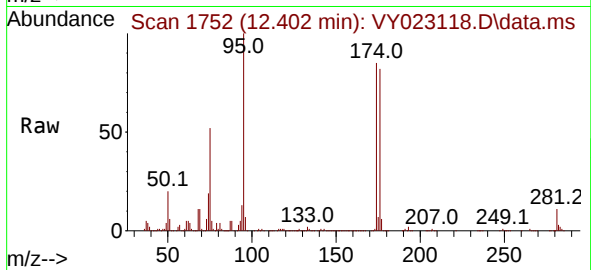
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 134.748 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Instrument :
MSVOA_Y
ClientSampleId :
22M-N



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	70.8	106.2#
89	0.4	38.1	57.1#

