

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023221.D
 Acq On : 28 Aug 2025 13:07
 Operator : SY/MD
 Sample : Q2970-01
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP10

Quant Time: Aug 29 02:09:09 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)

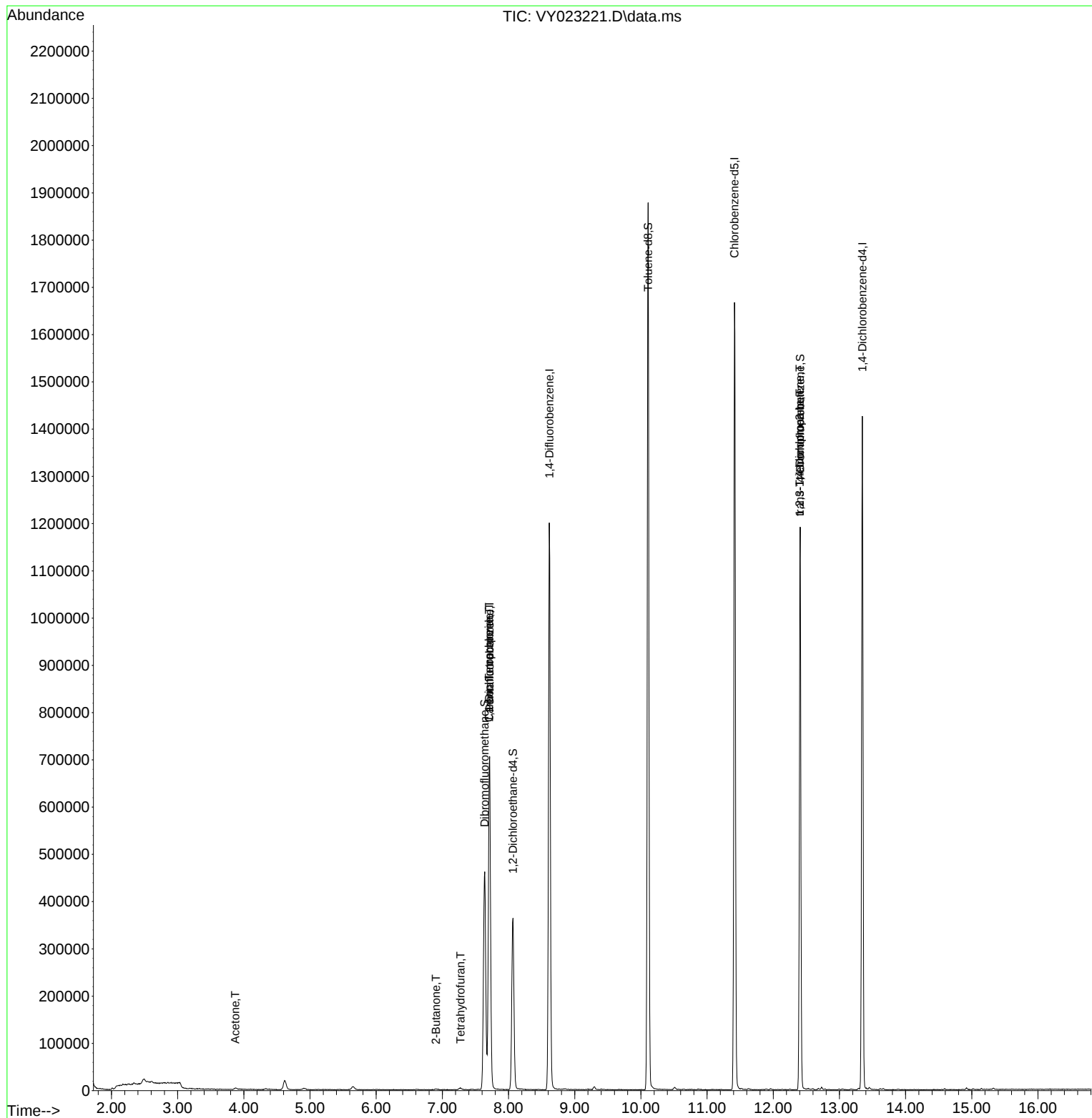
Internal Standards						
1) Pentafluorobenzene	7.713	168	574871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1047322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	927823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	368013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	289980	52.927	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.860%	
35) Dibromofluoromethane	7.640	113	332550	53.065	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.140%	
50) Toluene-d8	10.109	98	1239299	50.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.408	95	361466	45.910	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.820%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	5467	4.606	ug/l	95
20) Methylene Chloride	4.616	84	14701	Below Cal	#	92
25) 2-Butanone	6.902	43	1867	1.157	ug/l #	76
29) Tetrahydrofuran	7.274	42	2462	2.460	ug/l #	91
36) 1,1-Dichloropropene	7.707	75	40868	4.388	ug/l #	50
38) Carbon Tetrachloride	7.707	117	53911	5.329	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	181673	51.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	181673	123.820	ug/l #	14

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023221.D
Acq On : 28 Aug 2025 13:07
Operator : SY/MD
Sample : Q2970-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP10

Quant Time: Aug 29 02:09:09 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

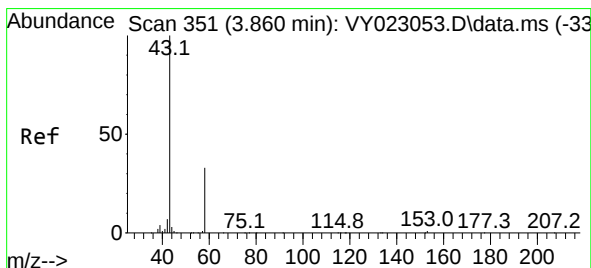
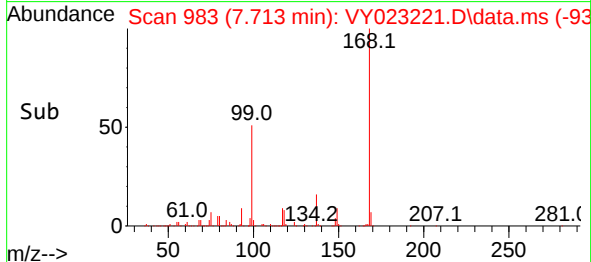
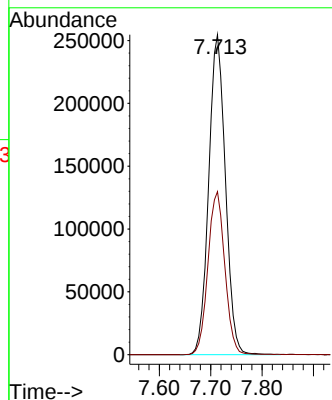
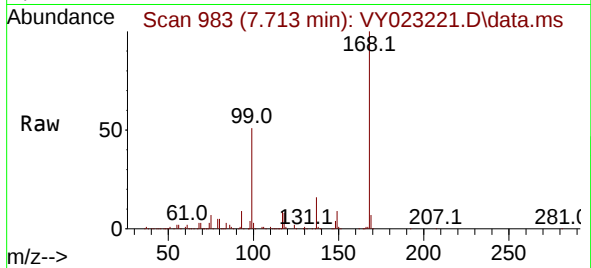




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

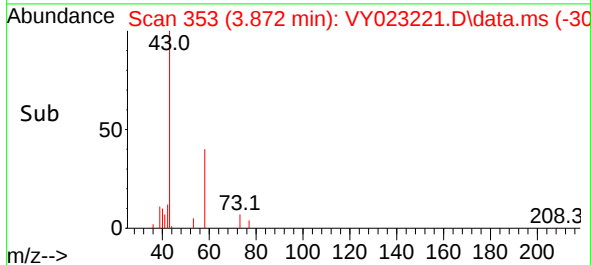
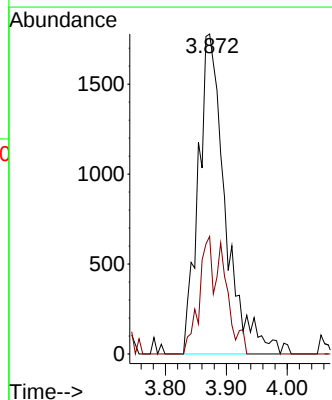
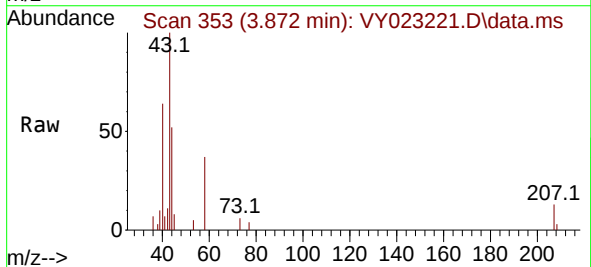
Instrument :
MSVOA_Y
ClientSampleId :
TP10

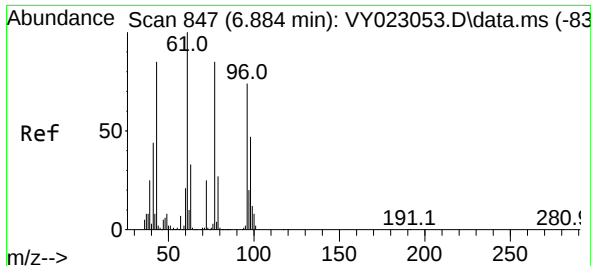
Tgt Ion:168 Resp: 574871
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#16
Acetone
Concen: 4.606 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 43 Resp: 5467
Ion Ratio Lower Upper
43 100
58 36.8 27.1 40.7

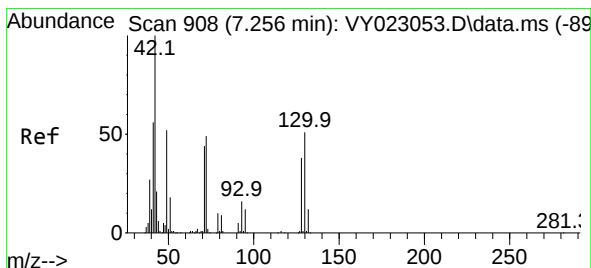
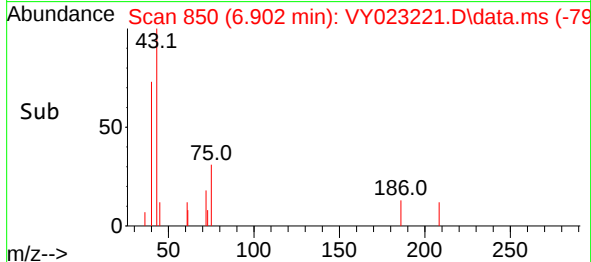
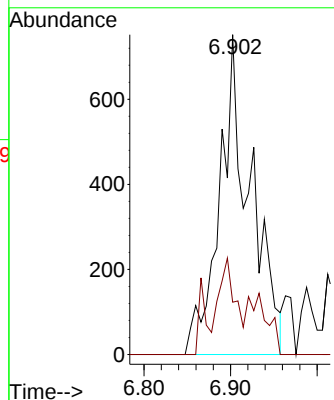
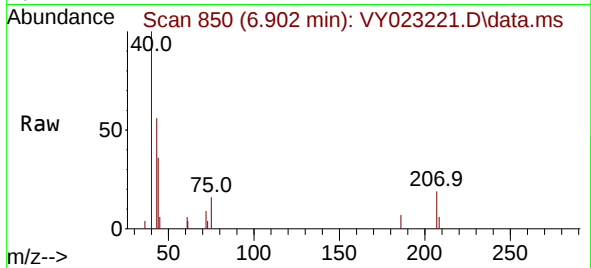




#25
2-Butanone
Concen: 1.157 ug/l
RT: 6.902 min Scan# 847
Delta R.T. 0.018 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

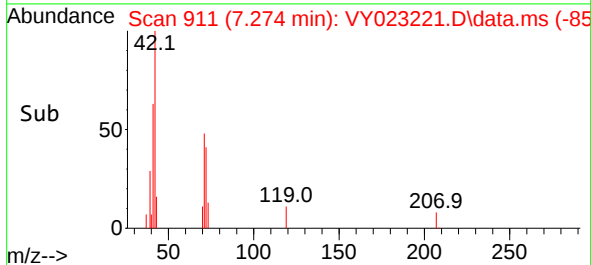
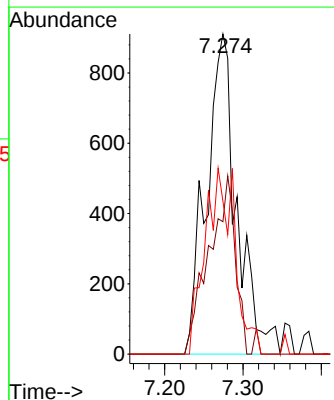
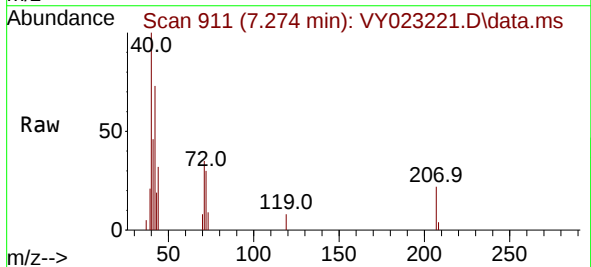
Instrument :
MSVOA_Y
ClientSampleId :
TP10

Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
72 16.4 23.5 35.3#



#29
Tetrahydrofuran
Concen: 2.460 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.018 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 42 Resp: 2462
Ion Ratio Lower Upper
42 100
72 48.0 39.4 59.2
71 56.8 36.5 54.7#





#33

1,2-Dichloroethane-d4

Concen: 52.927 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY023221.D

Acq: 28 Aug 2025 13:07

Instrument :

MSVOA_Y

ClientSampleId :

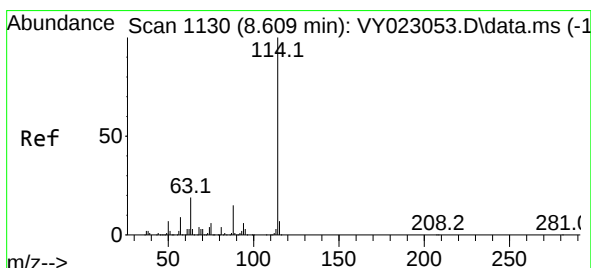
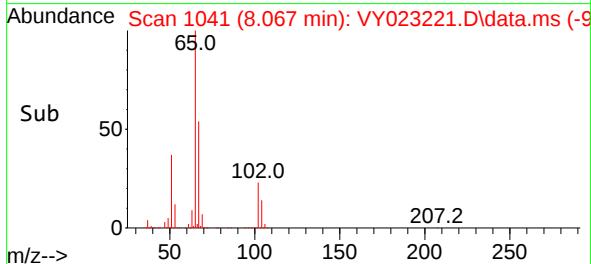
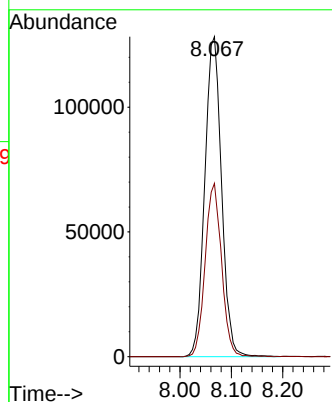
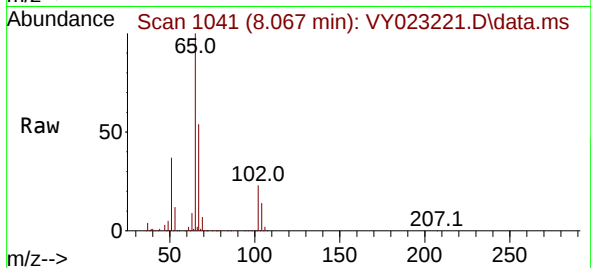
TP10

Tgt Ion: 65 Resp: 289980

Ion Ratio Lower Upper

65 100

67 53.0 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: VY023221.D

Acq: 28 Aug 2025 13:07

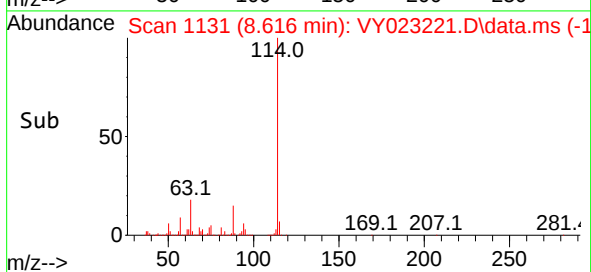
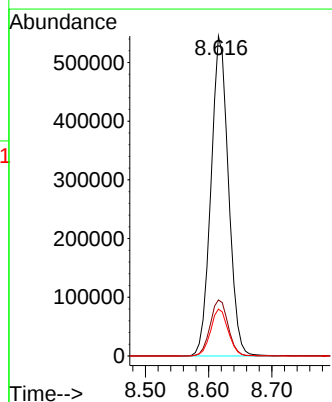
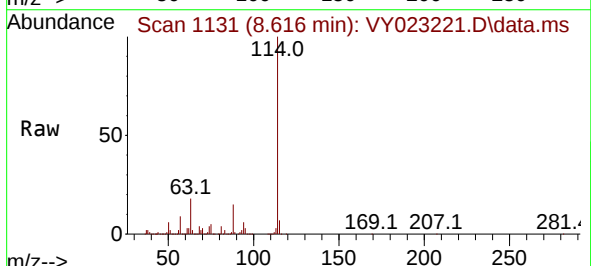
Tgt Ion:114 Resp: 1047322

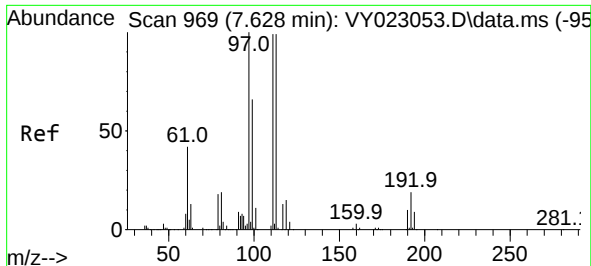
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.6 0.0 30.0

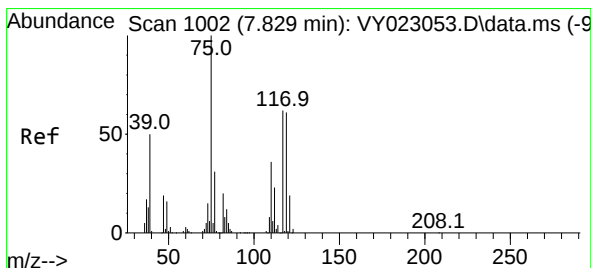
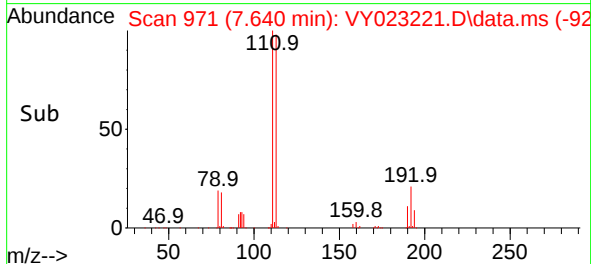
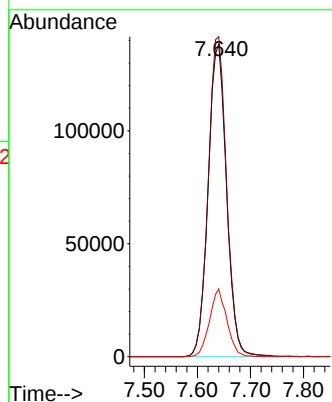
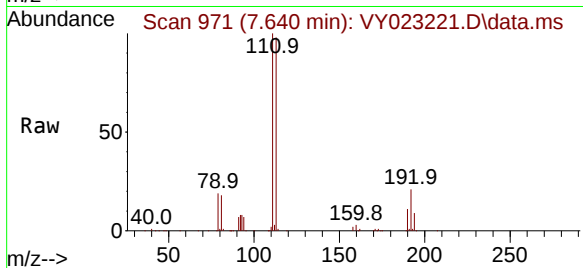




#35
Dibromofluoromethane
Concen: 53.065 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

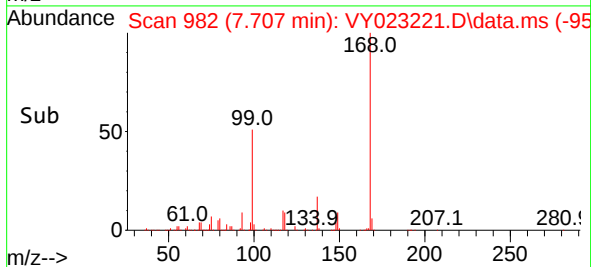
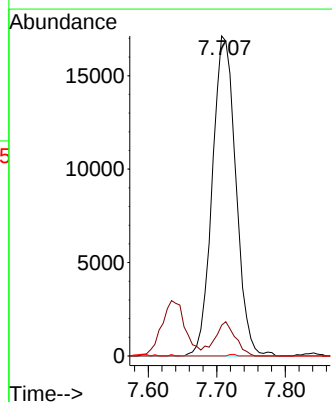
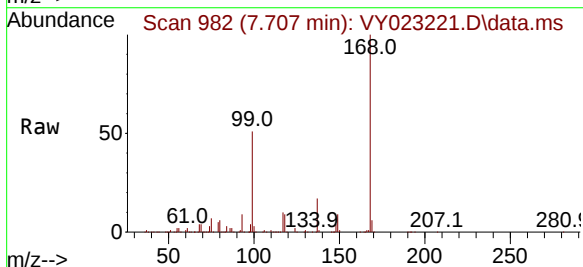
Instrument :
MSVOA_Y
ClientSampleId :
TP10

Tgt Ion:113 Resp: 332550
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.388 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 75 Resp: 40868
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.1 24.6 37.0#

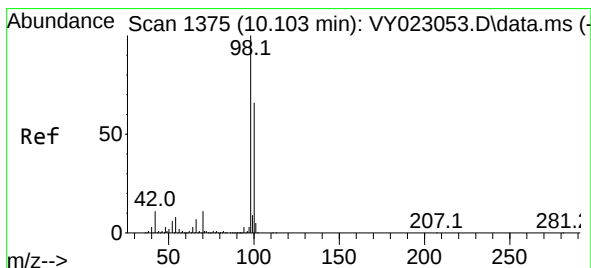
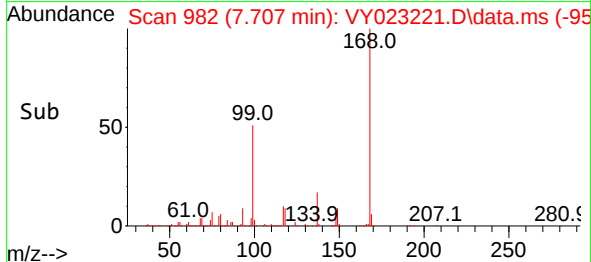
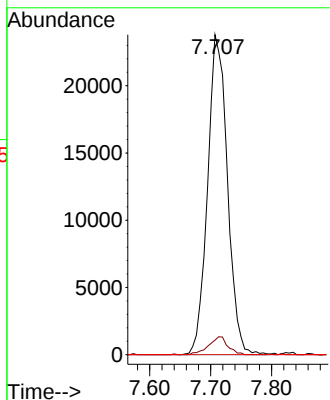
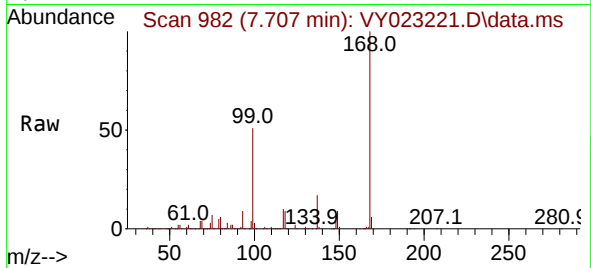




#38
Carbon Tetrachloride
Concen: 5.329 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

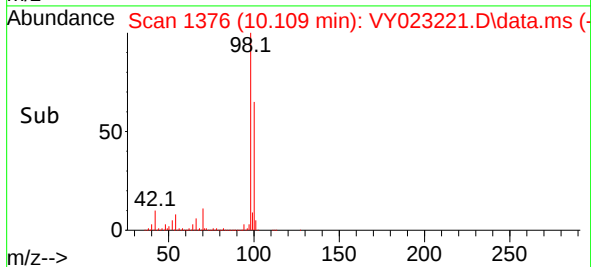
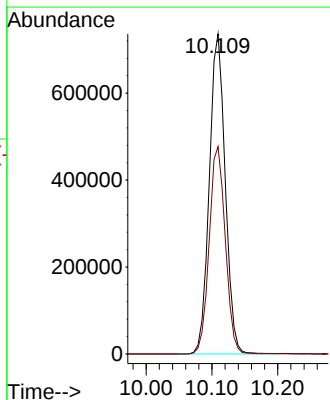
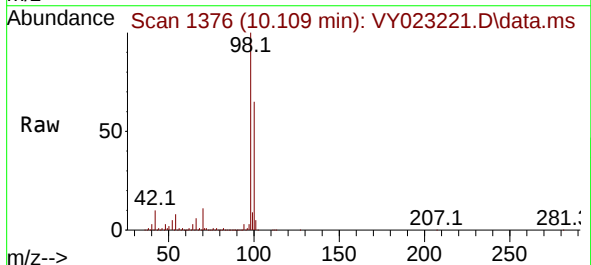
Instrument :
MSVOA_Y
ClientSampleId :
TP10

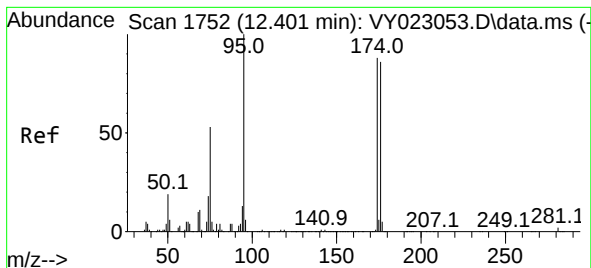
Tgt Ion:117 Resp: 53911
Ion Ratio Lower Upper
117 100
119 4.5 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.621 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 98 Resp: 1239299
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

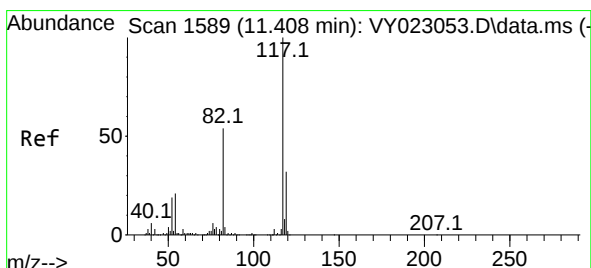
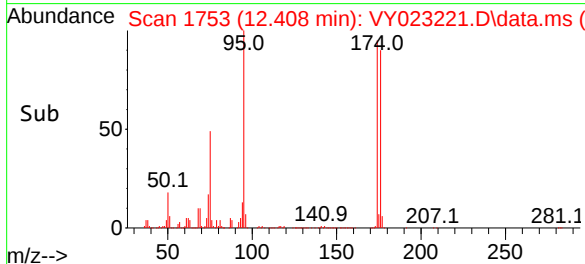
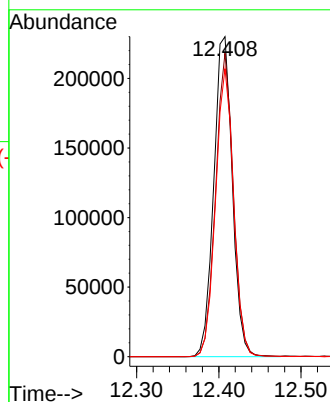
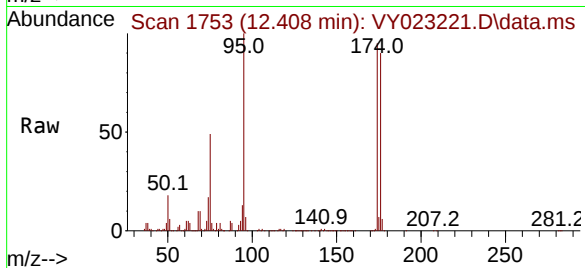




#62
4-Bromofluorobenzene
Concen: 45.910 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

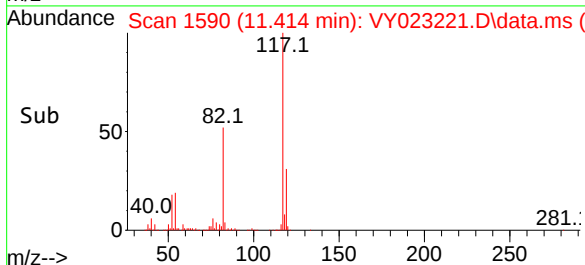
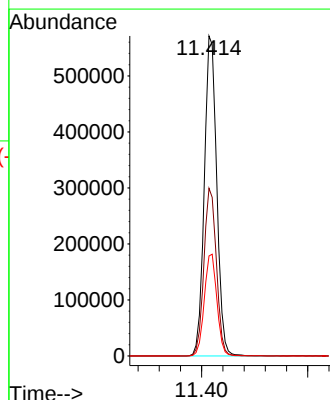
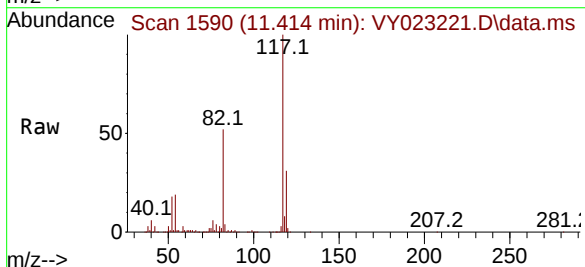
Instrument :
MSVOA_Y
ClientSampleId :
TP10

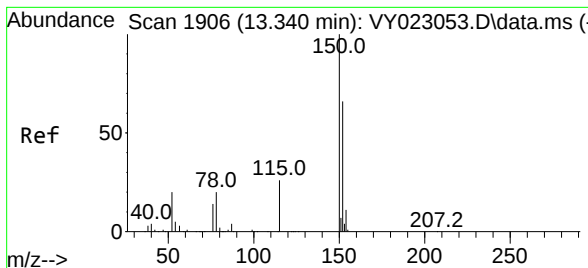
Tgt Ion: 95 Resp: 361466
Ion Ratio Lower Upper
95 100
174 91.0 0.0 171.6
176 87.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023221.D
Acq: 28 Aug 2025 13:07

Tgt Ion: 117 Resp: 927823
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023221.D

Acq: 28 Aug 2025 13:07

Instrument :

MSVOA_Y

ClientSampleId :

TP10

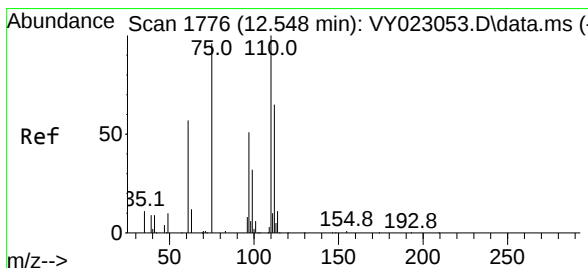
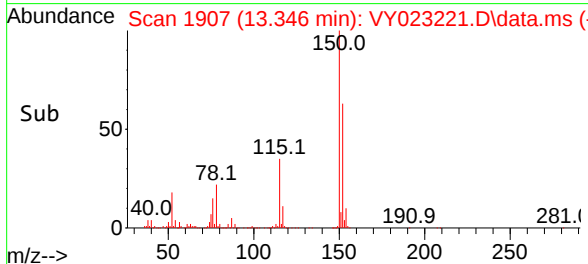
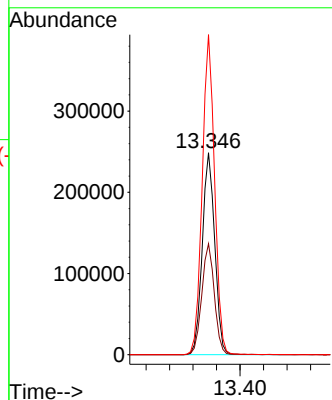
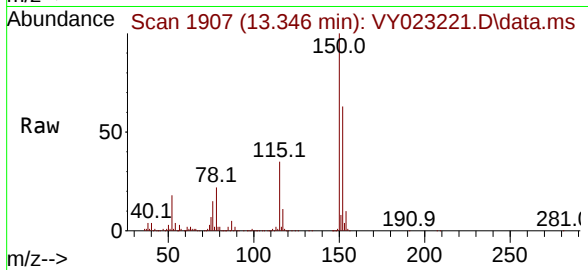
Tgt Ion:152 Resp: 368013

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 156.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 51.151 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023221.D

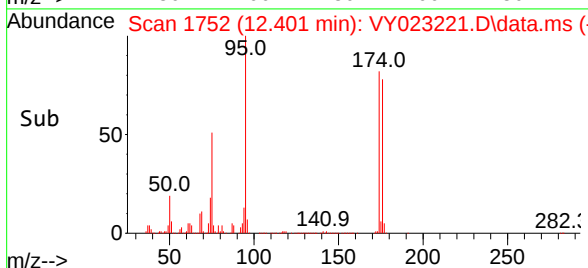
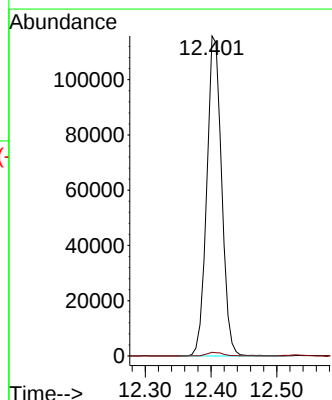
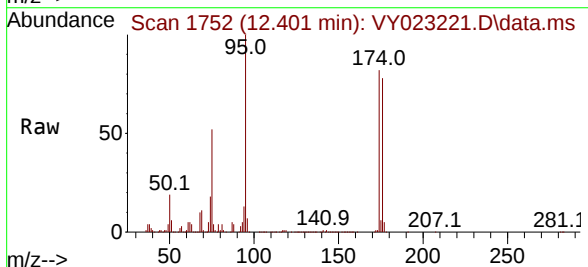
Acq: 28 Aug 2025 13:07

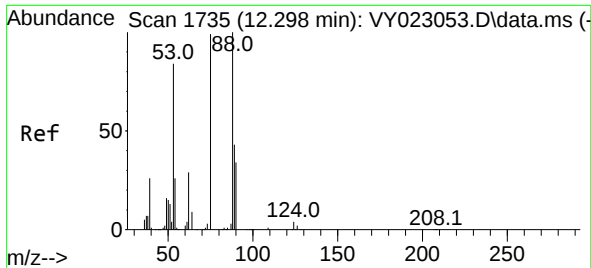
Tgt Ion: 75 Resp: 181673

Ion Ratio Lower Upper

75 100

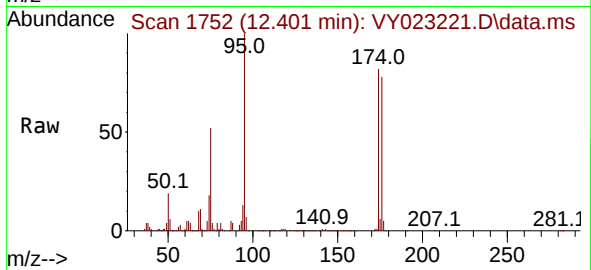
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.820 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023221.D
 Acq: 28 Aug 2025 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP10



Tgt Ion: 75 Resp: 181673
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

