

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023258.D
 Acq On : 02 Sep 2025 12:26
 Operator : SY/MD
 Sample : Q2989-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-6

Quant Time: Sep 03 03:29:21 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

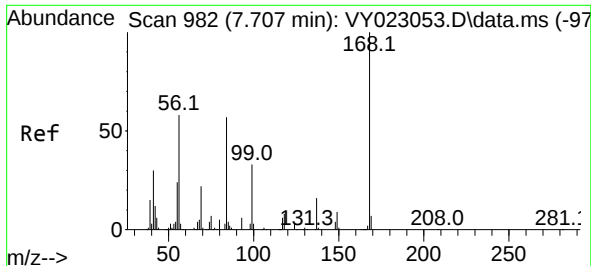
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	361863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	623724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	549805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185175	53.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.380%	
35) Dibromofluoromethane	7.634	113	207940	55.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.440%	
50) Toluene-d8	10.109	98	733812	50.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.407	95	202687	43.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.460%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	3005	4.022	ug/l #	84
20) Methylene Chloride	4.616	84	4676	Below Cal		95
31) Cyclohexane	7.707	56	7096	1.105	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	25390	4.578	ug/l #	50
38) Carbon Tetrachloride	7.707	117	34867	5.788	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2984	1.228	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	104481	49.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	104481	120.830	ug/l #	14

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

Quant Time: Sep 03 03:29:21 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

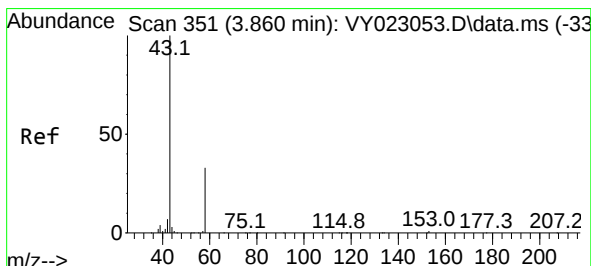
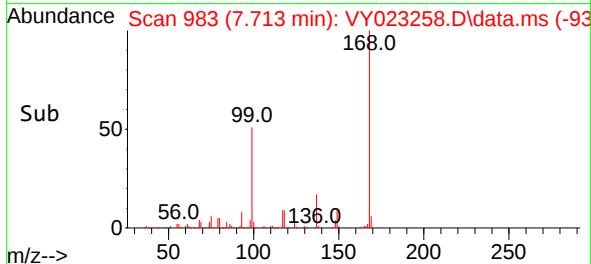
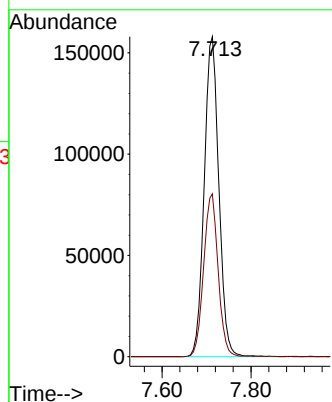
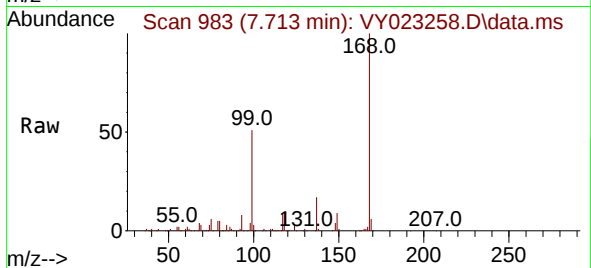




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

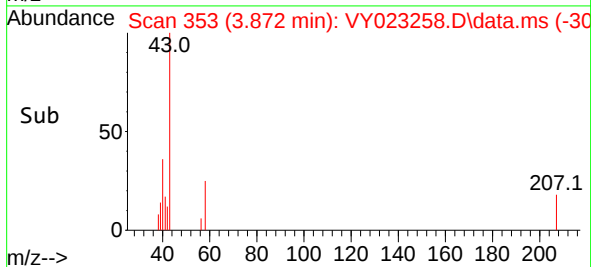
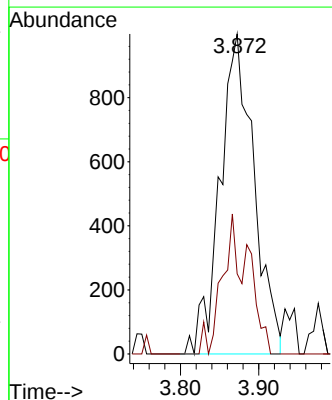
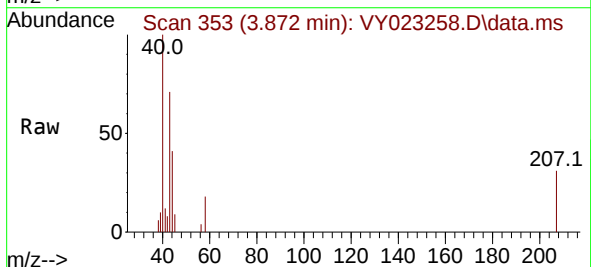
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

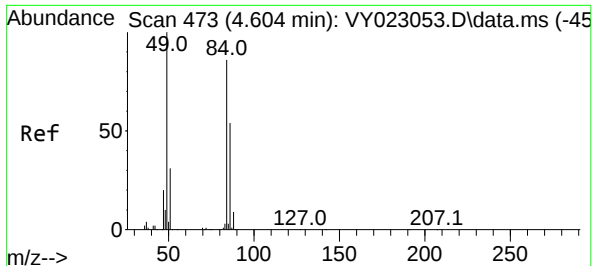
Tgt Ion:168 Resp: 361863
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#16
Acetone
Concen: 4.022 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion: 43 Resp: 3005
Ion Ratio Lower Upper
43 100
58 25.0 27.1 40.7#

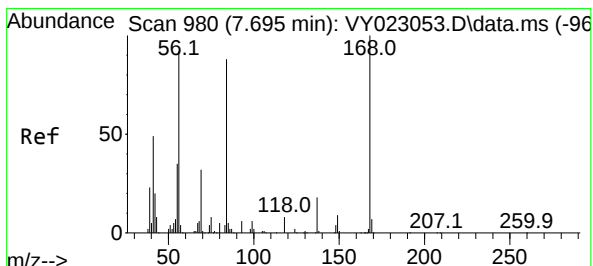
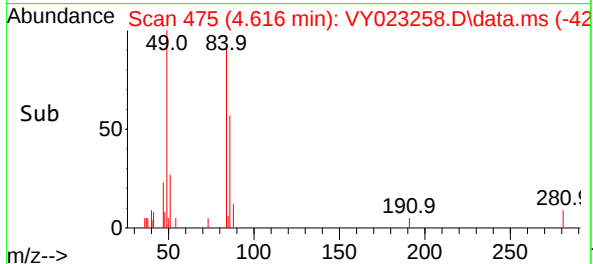
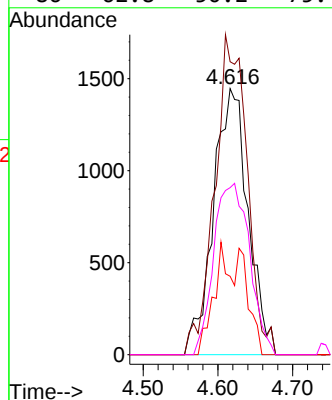
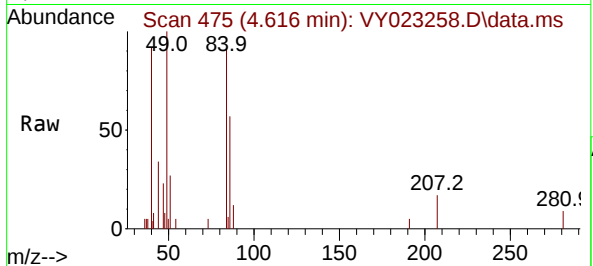




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

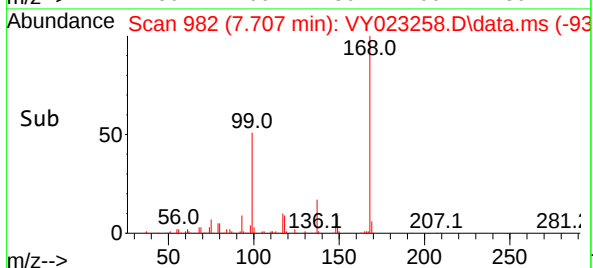
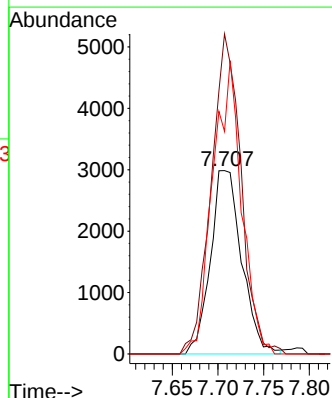
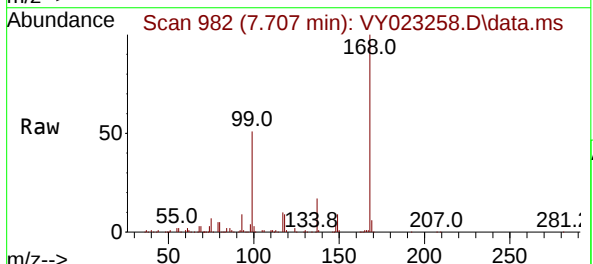
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

Tgt Ion:	84	Resp:	4676
Ion	Ratio	Lower	Upper
84	100		
49	110.1	93.0	139.6
51	29.5	29.0	43.4
86	62.8	50.2	75.4



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion:	56	Resp:	7096
Ion	Ratio	Lower	Upper
56	100		
69	174.5	28.2	42.2#
84	121.4	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 53.693 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

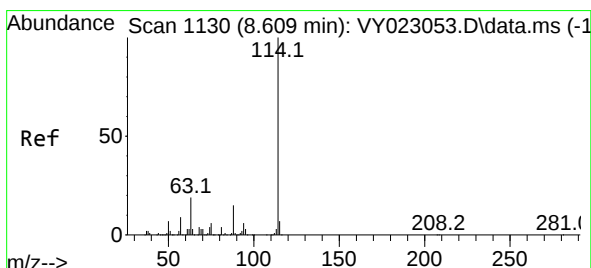
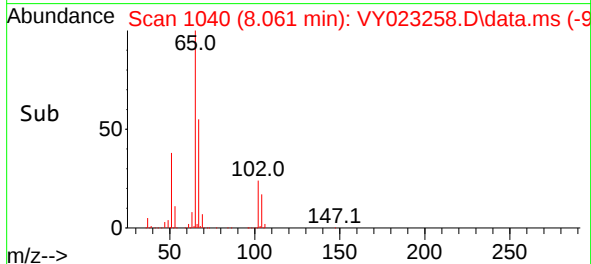
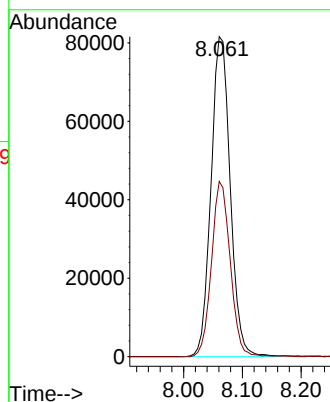
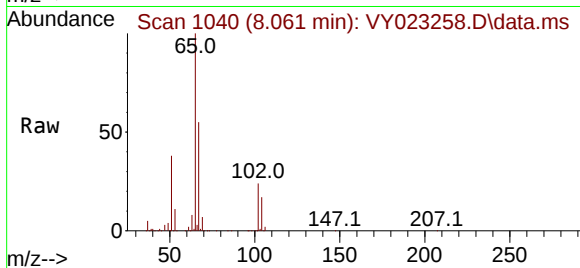
SOUTH-TP-6

Tgt Ion: 65 Resp: 185175

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

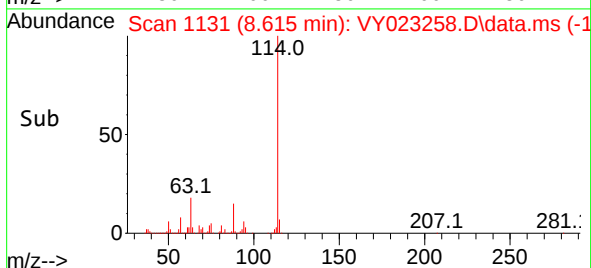
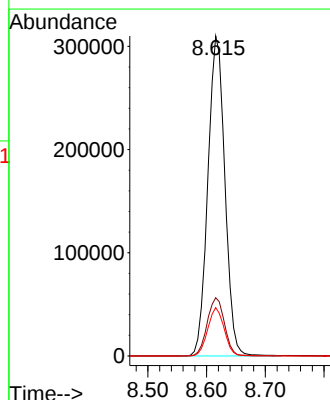
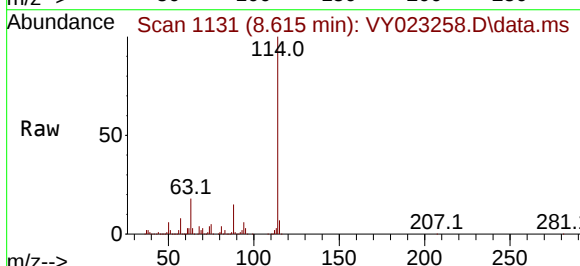
Tgt Ion: 114 Resp: 623724

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.1 0.0 30.0

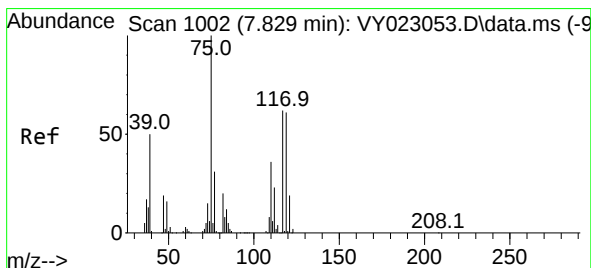
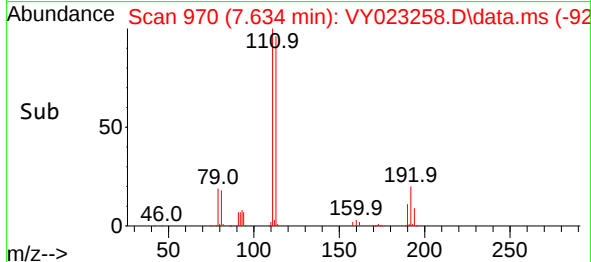
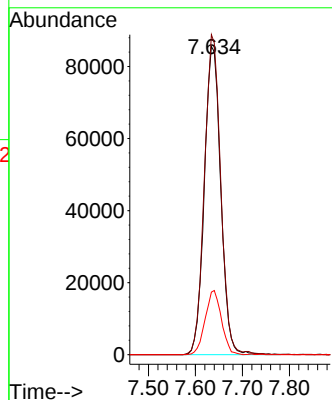
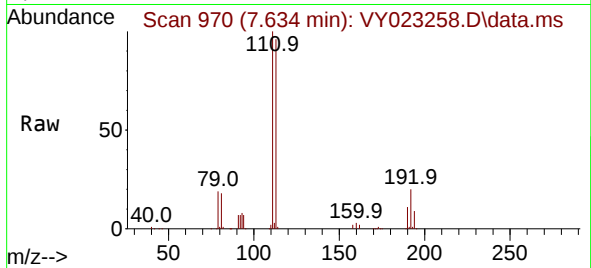




#35
Dibromofluoromethane
Concen: 55.716 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

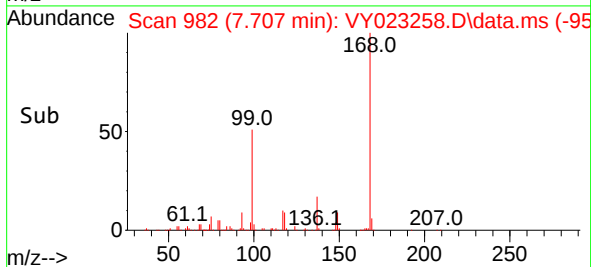
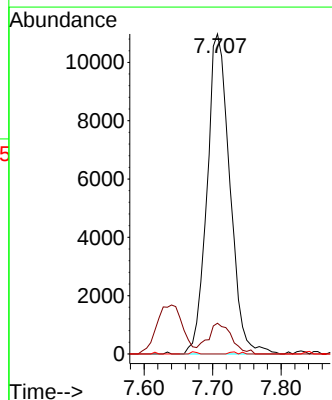
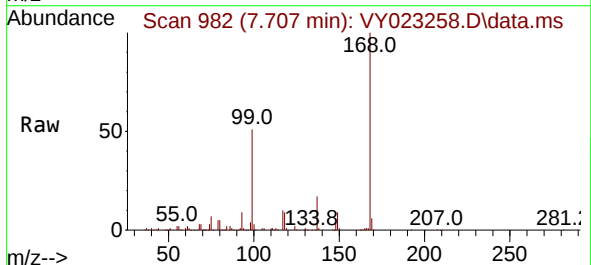
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

Tgt Ion:113 Resp: 207940
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 20.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion: 75 Resp: 25390
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 24.6 37.0#

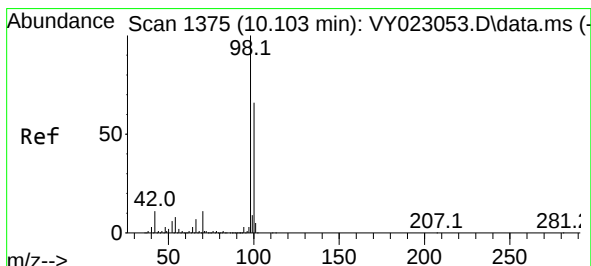
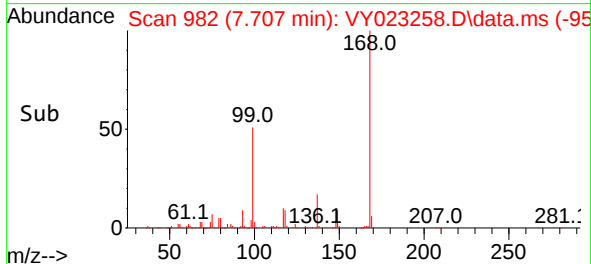
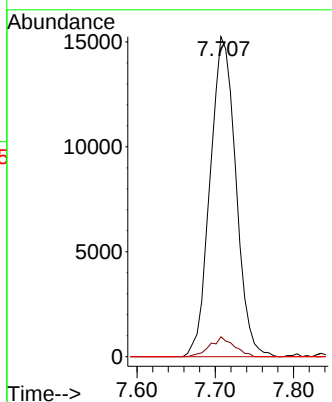
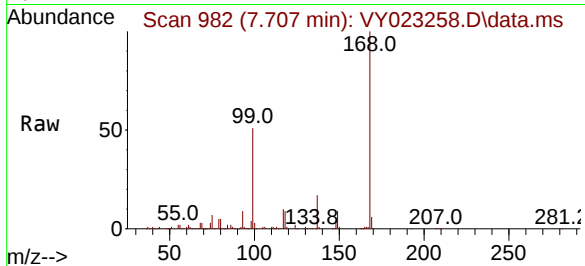




#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

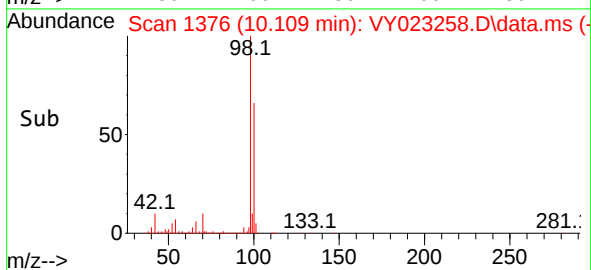
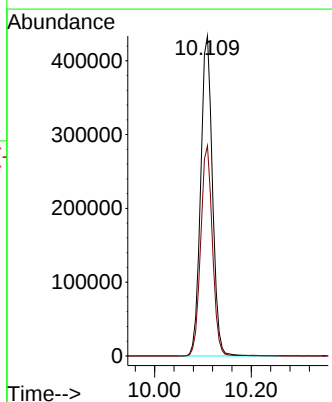
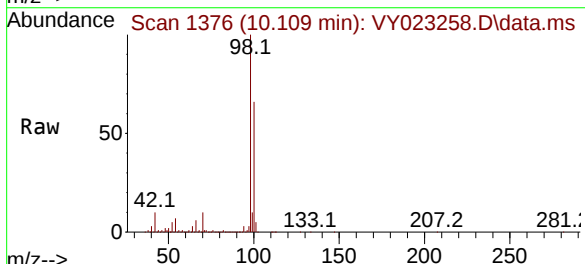
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

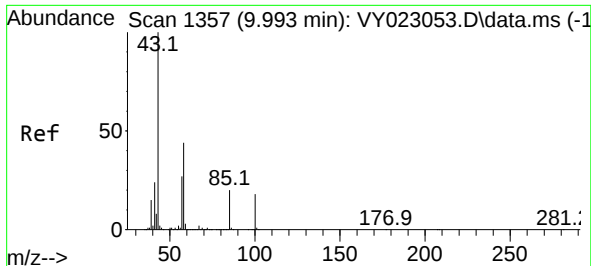
Tgt Ion:117 Resp: 34867
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.330 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023258.D
Acq: 02 Sep 2025 12:26

Tgt Ion: 98 Resp: 733812
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.228 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.116 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

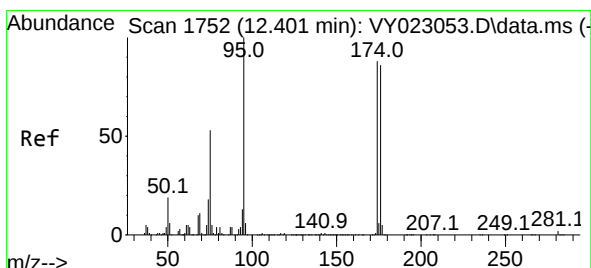
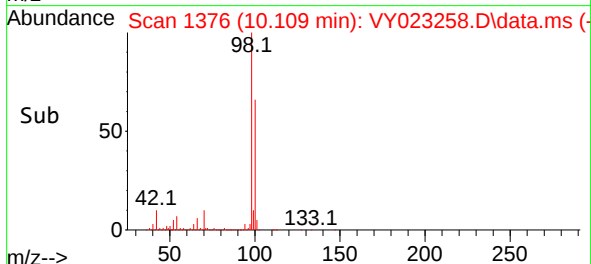
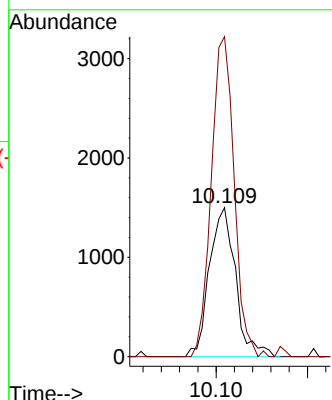
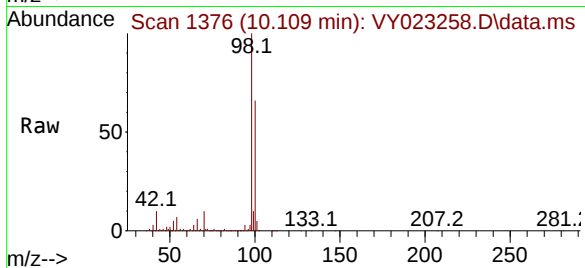
SOUTH-TP-6

Tgt Ion: 43 Resp: 2984

Ion Ratio Lower Upper

43 100

58 187.4 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 43.227 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

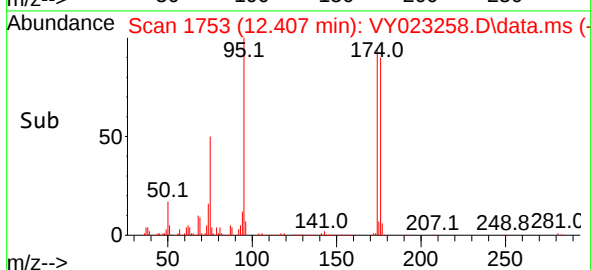
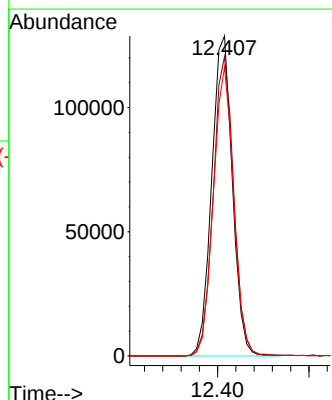
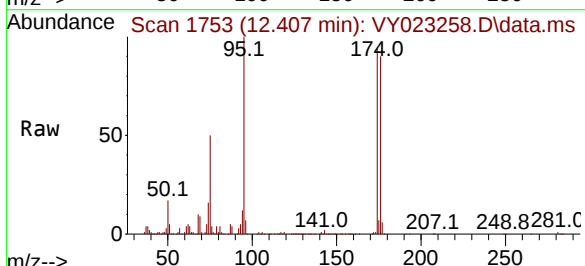
Tgt Ion: 95 Resp: 202687

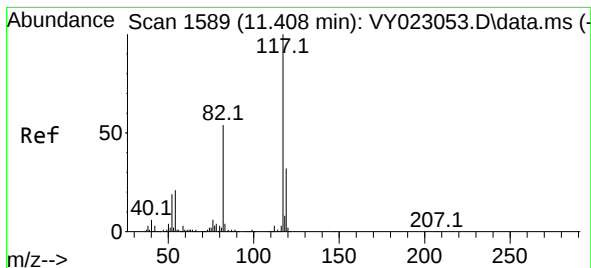
Ion Ratio Lower Upper

95 100

174 92.9 0.0 171.6

176 88.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

SOUTH-TP-6

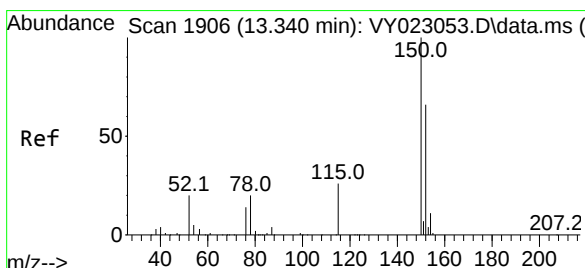
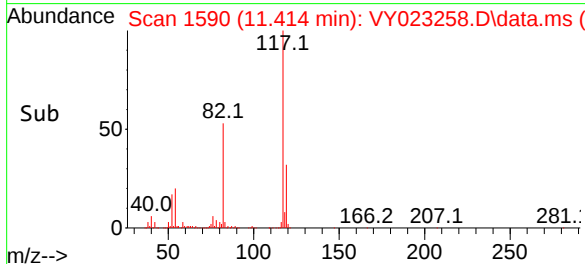
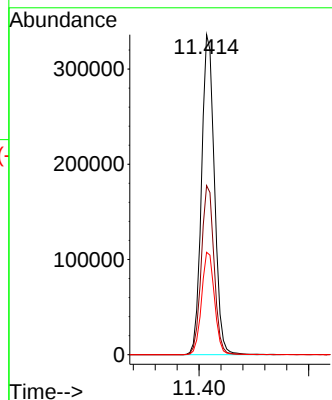
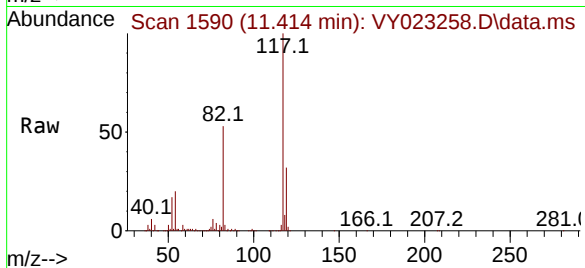
Tgt Ion:117 Resp: 549805

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

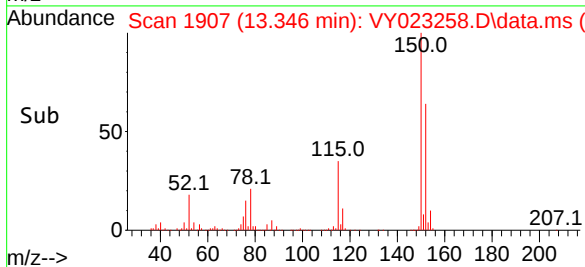
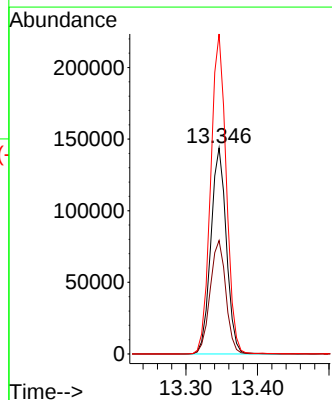
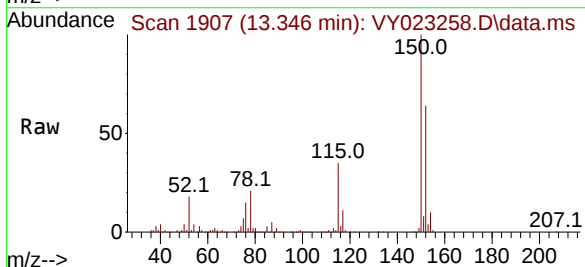
Tgt Ion:152 Resp: 216883

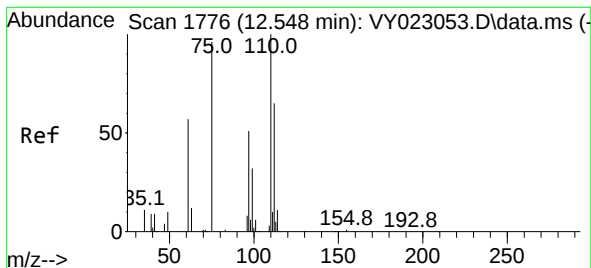
Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 156.0 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 49.916 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

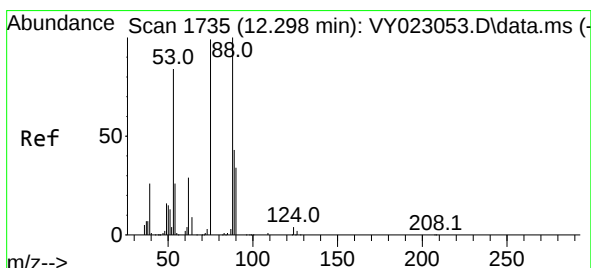
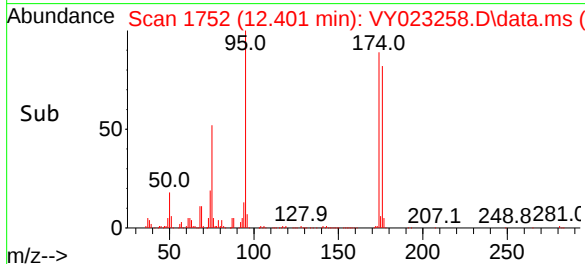
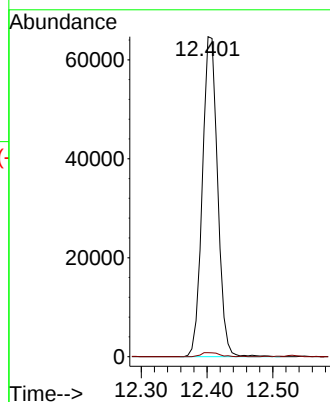
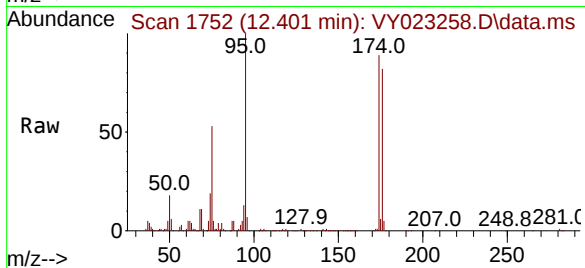
SOUTH-TP-6

Tgt Ion: 75 Resp: 104481

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.830 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023258.D

Acq: 02 Sep 2025 12:26

Tgt Ion: 75 Resp: 104481

Ion Ratio Lower Upper

75 100

53 0.1 70.8 106.2#

89 0.0 38.1 57.1#

