

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023261.D
 Acq On : 02 Sep 2025 13:36
 Operator : SY/MD
 Sample : Q2996-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONTAINMENT-C

Quant Time: Sep 03 03:30:22 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	581646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1112107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1012599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	426919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	312262	56.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.660%	
35) Dibromofluoromethane	7.640	113	357029	53.652	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.300%	
50) Toluene-d8	10.109	98	1322839	50.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.401	95	408610	48.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.740%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1368	1.139	ug/l #	85
20) Methylene Chloride	4.616	84	9944	Below Cal		95
31) Cyclohexane	7.707	56	10914	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42362	4.284	ug/l #	50
38) Carbon Tetrachloride	7.707	117	55380	5.156	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5165	1.193	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	204795	49.705	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	204795	120.320	ug/l #	14

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

Quant Time: Sep 03 03:30:22 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

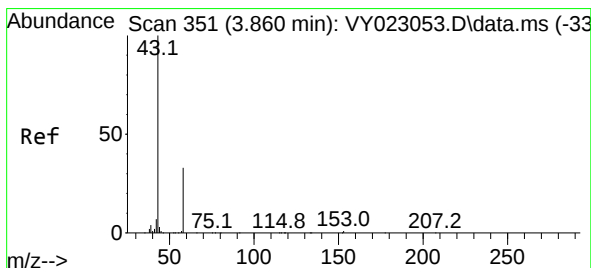
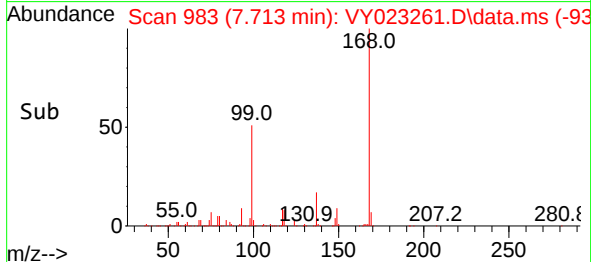
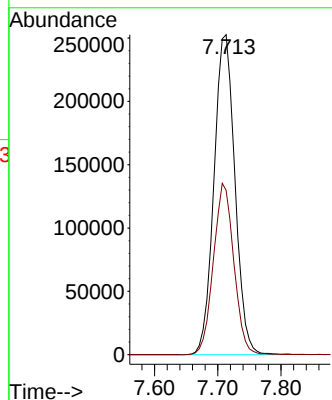
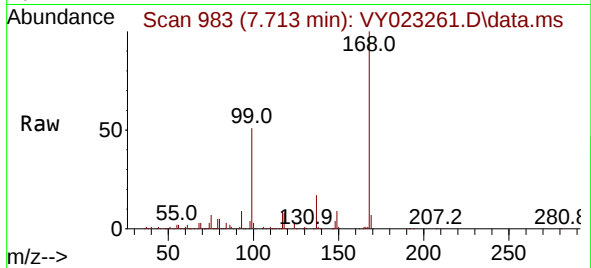




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

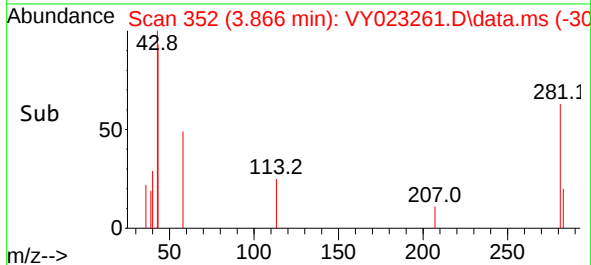
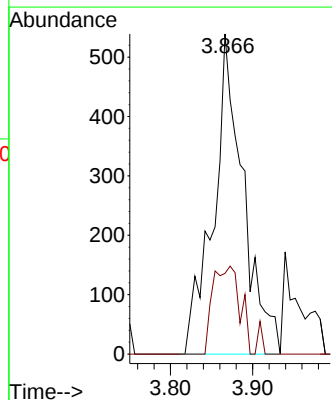
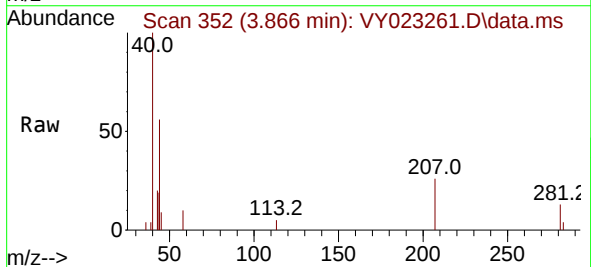
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-C

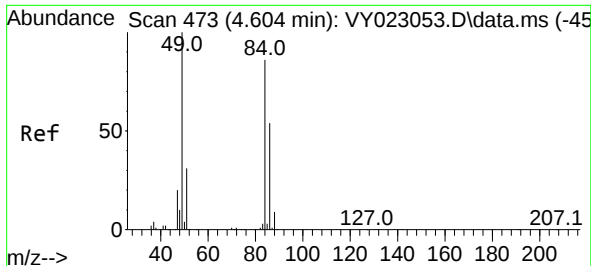
Tgt Ion:168 Resp: 581646
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2



#16
Acetone
Concen: 1.139 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
58 25.2 27.1 40.7#

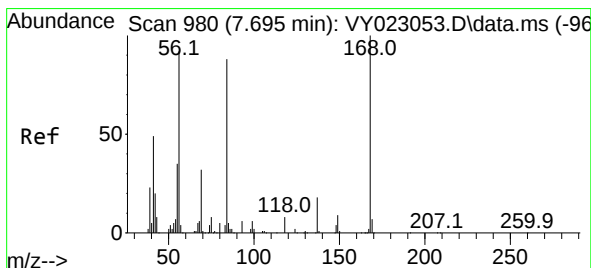
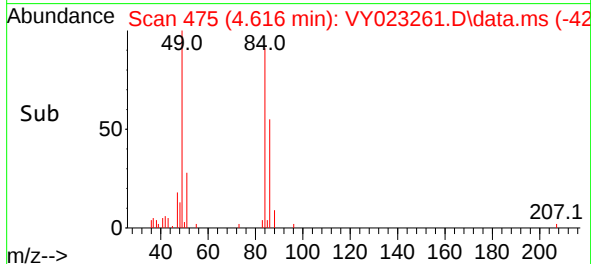
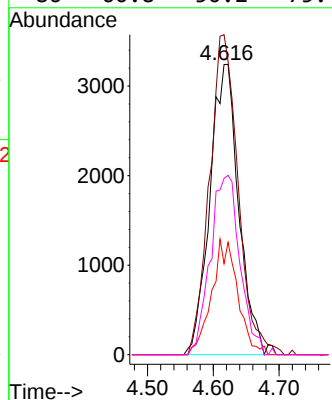
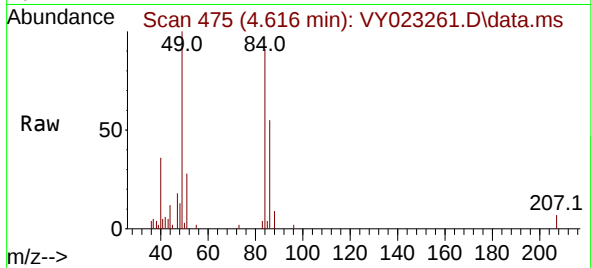




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

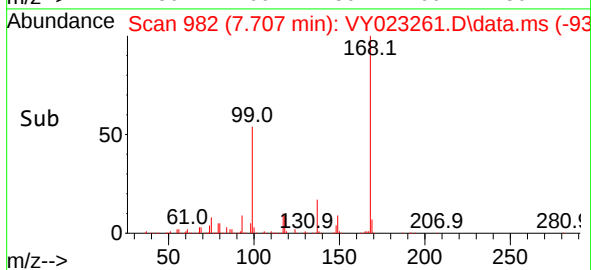
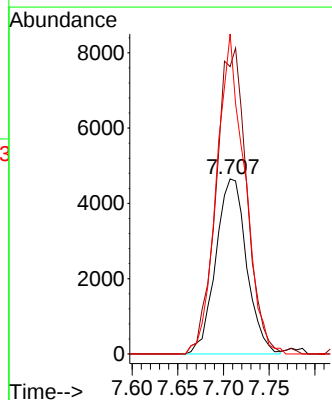
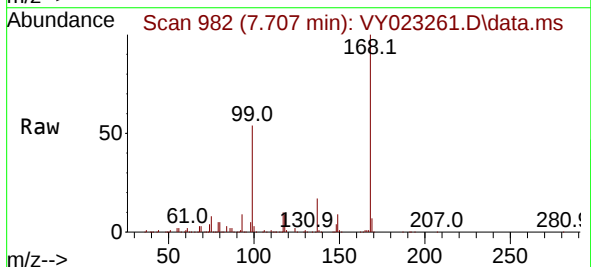
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-C

Tgt Ion:	84	Resp:	9944
Ion	Ratio	Lower	Upper
84	100		
49	110.3	93.0	139.6
51	31.4	29.0	43.4
86	60.8	50.2	75.4



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion:	56	Resp:	10914
Ion	Ratio	Lower	Upper
56	100		
69	166.4	28.2	42.2#
84	185.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.330 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023261.D

Acq: 02 Sep 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

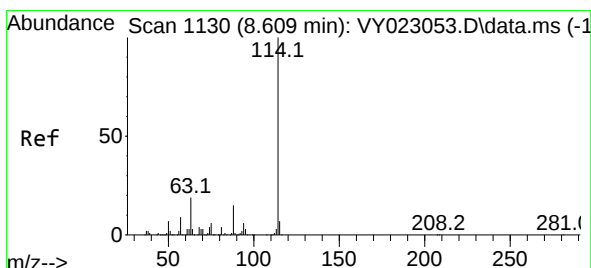
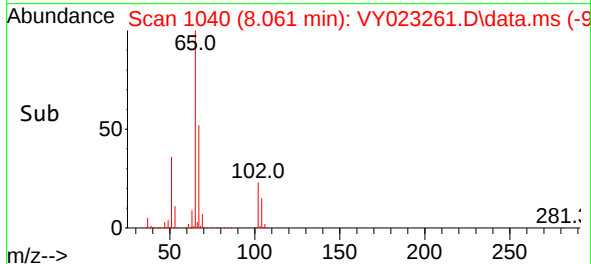
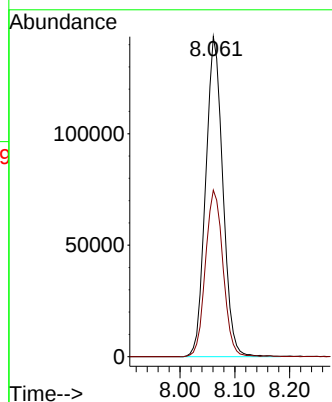
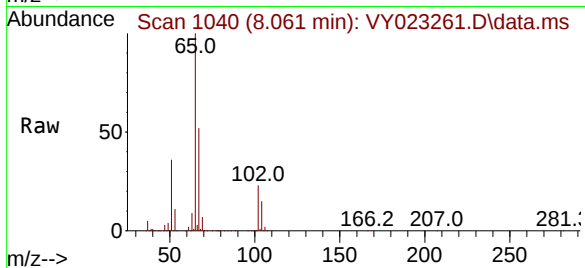
CONTAINMENT-C

Tgt Ion: 65 Resp: 312262

Ion Ratio Lower Upper

65 100

67 53.2 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: VY023261.D

Acq: 02 Sep 2025 13:36

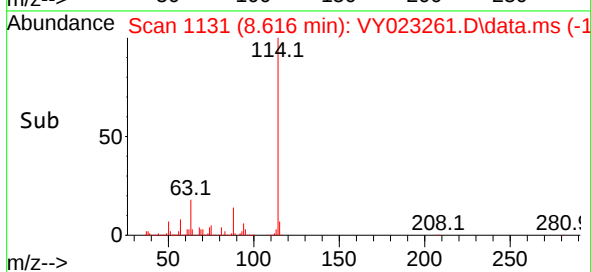
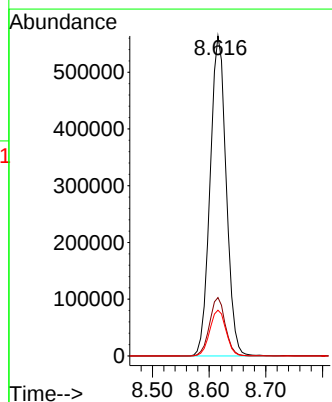
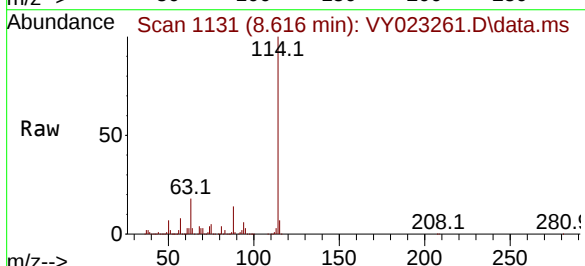
Tgt Ion: 114 Resp: 1112107

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.3 0.0 30.0

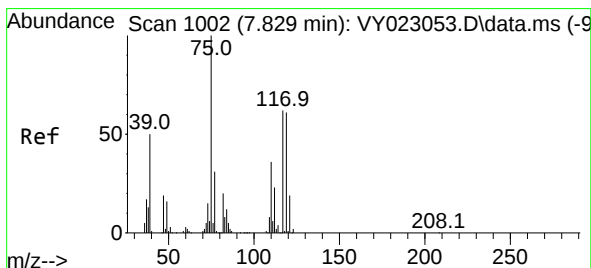
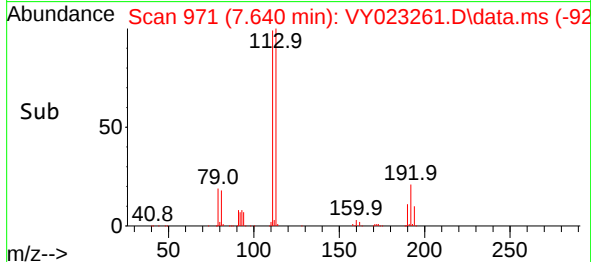
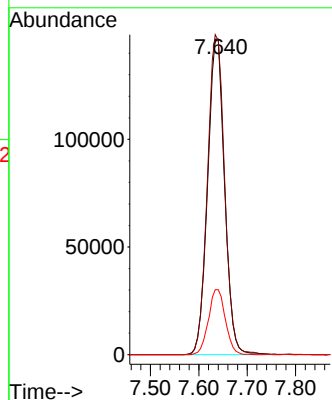
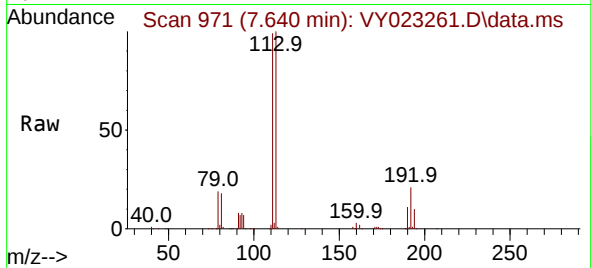




#35
Dibromofluoromethane
Concen: 53.652 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

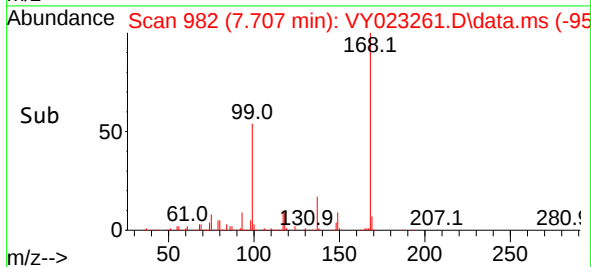
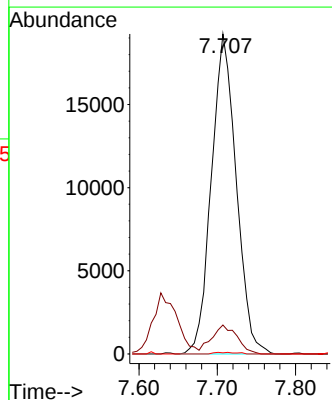
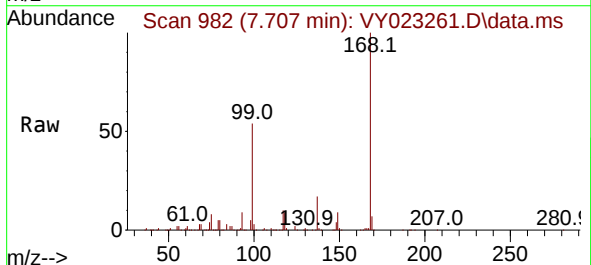
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-C

Tgt Ion:113 Resp: 357029
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 20.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.284 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion: 75 Resp: 42362
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.5 24.6 37.0#

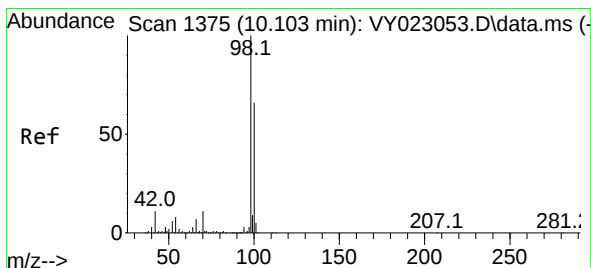
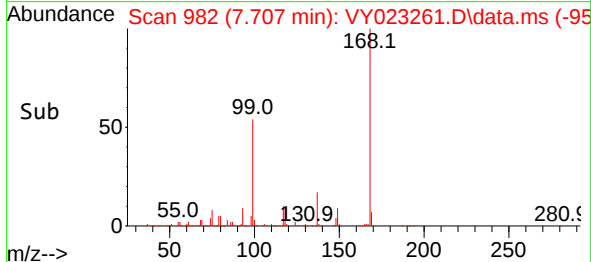
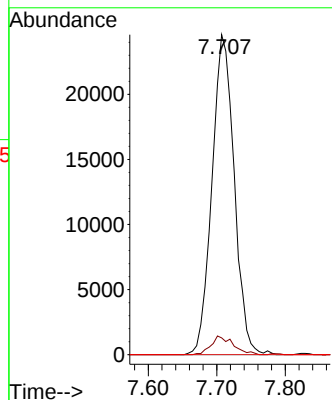
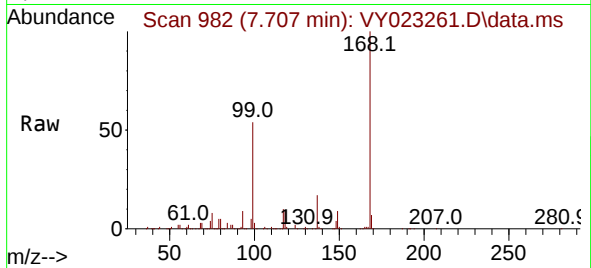




#38
Carbon Tetrachloride
Concen: 5.156 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

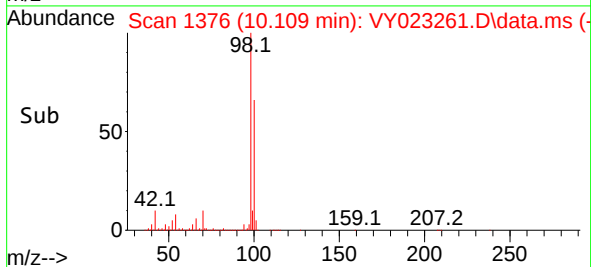
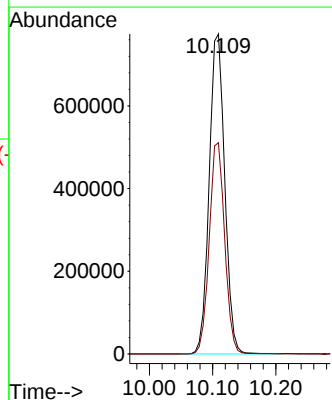
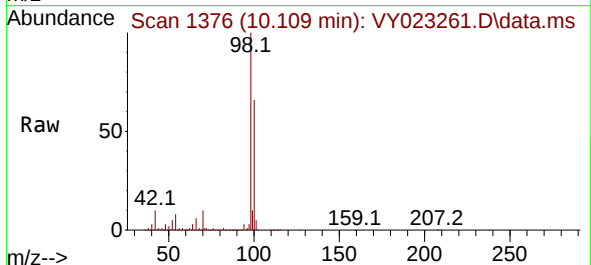
Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-C

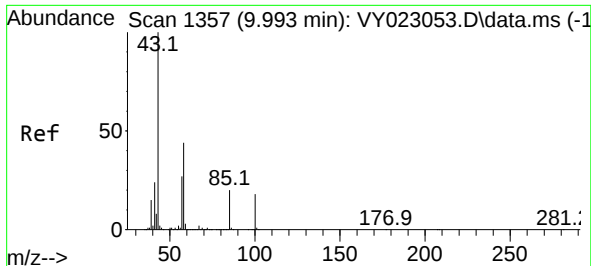
Tgt Ion:117 Resp: 55380
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion: 98 Resp: 1322839
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.193 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.110 min

Lab File: VY023261.D

Acq: 02 Sep 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

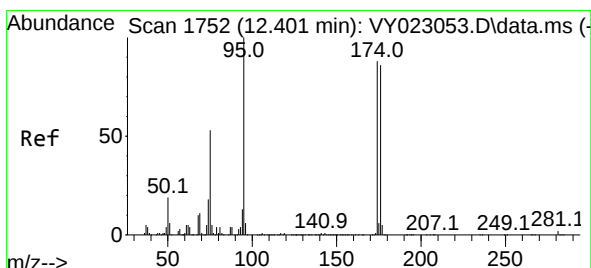
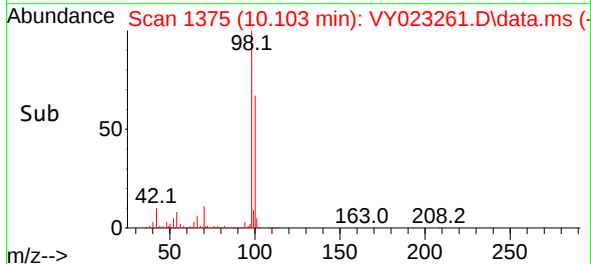
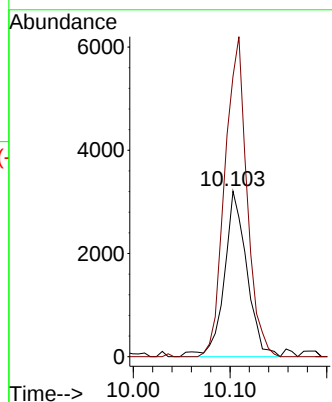
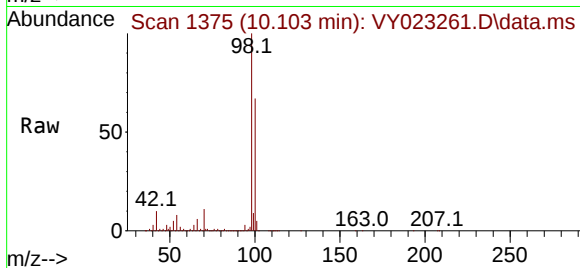
CONTAINMENT-C

Tgt Ion: 43 Resp: 5165

Ion Ratio Lower Upper

43 100

58 190.5 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 48.875 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023261.D

Acq: 02 Sep 2025 13:36

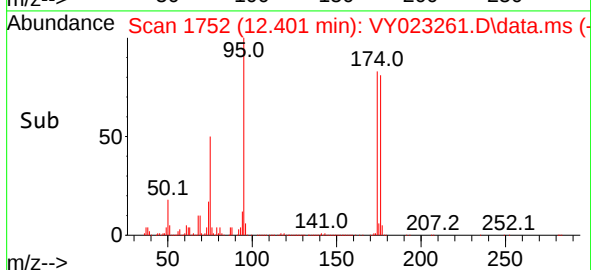
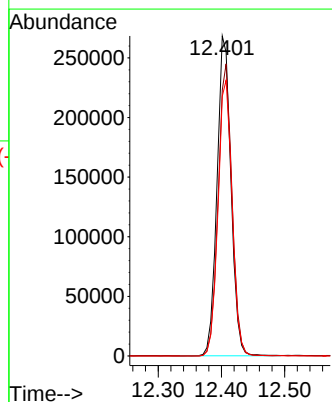
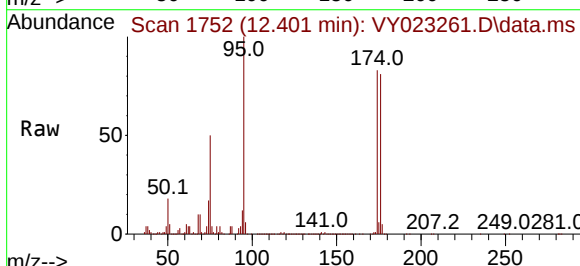
Tgt Ion: 95 Resp: 408610

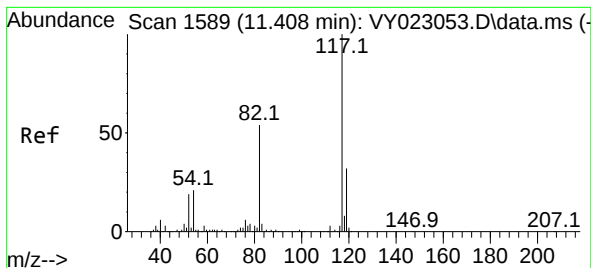
Ion Ratio Lower Upper

95 100

174 91.1 0.0 171.6

176 87.5 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: VY023261.D

Acq: 02 Sep 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

CONTAINMENT-C

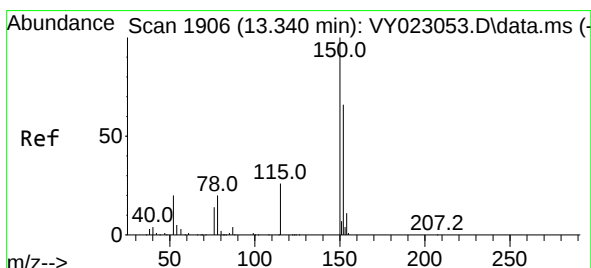
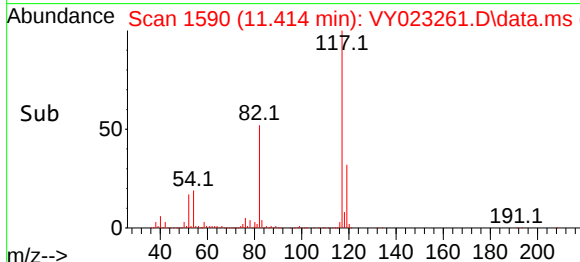
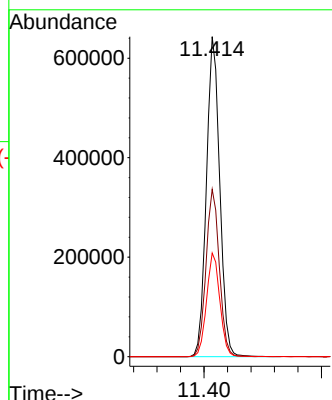
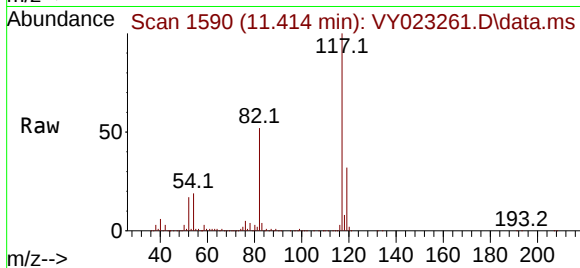
Tgt Ion:117 Resp: 1012599

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.4 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: VY023261.D

Acq: 02 Sep 2025 13:36

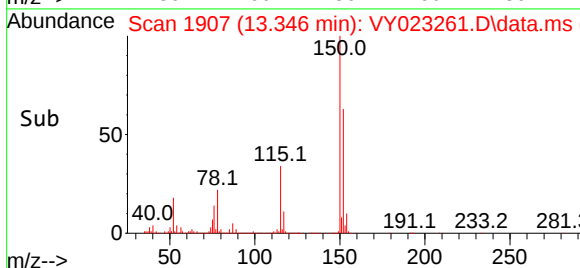
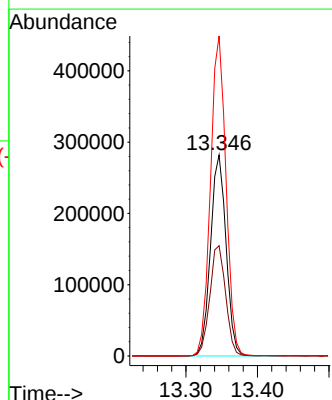
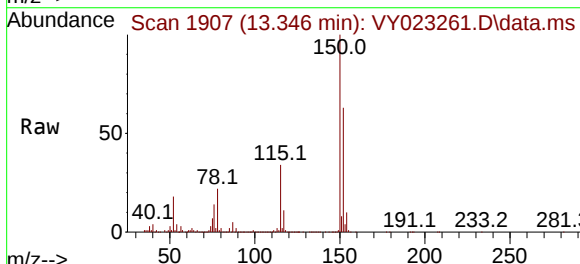
Tgt Ion:152 Resp: 426919

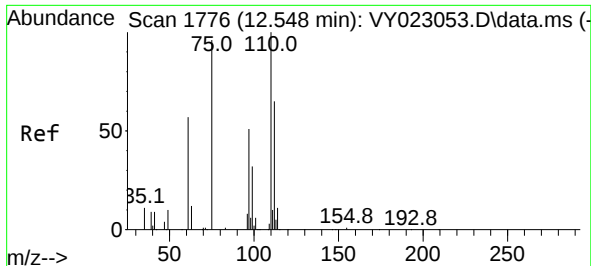
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 158.4 0.0 348.0

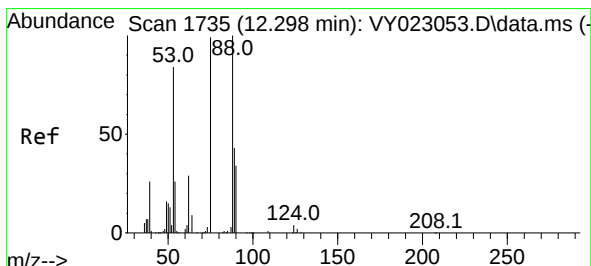
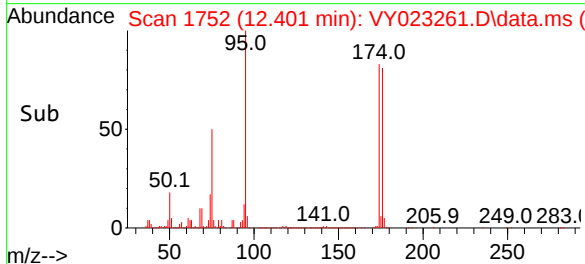
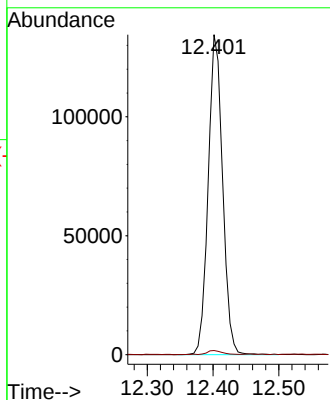
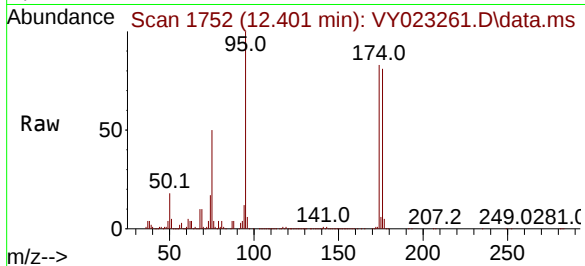




#76
1,2,3-Trichloropropane
Concen: 49.705 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Instrument :
MSVOA_Y
ClientSampleId :
CONTAINMENT-C

Tgt Ion: 75 Resp: 204795
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.320 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023261.D
Acq: 02 Sep 2025 13:36

Tgt Ion: 75 Resp: 204795
Ion Ratio Lower Upper
75 100
53 0.3 70.8 106.2#
89 0.0 38.1 57.1#

