

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023126.D
 Acq On : 15 Aug 2025 15:34
 Operator : SY/MD
 Sample : Q2832-07
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S04

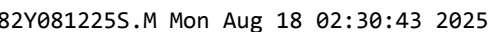
Quant Time: Aug 18 02:30:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	567197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1071652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	957867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	386816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	319898	59.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.360%	
35) Dibromofluoromethane	7.634	113	338713	52.821	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.640%	
50) Toluene-d8	10.103	98	1291975	51.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.140%	
62) 4-Bromofluorobenzene	12.401	95	384540	47.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.460%	
Target Compounds						Qvalue
31) Cyclohexane	7.701	56	11822	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43697	4.585	ug/l #	50
38) Carbon Tetrachloride	7.707	117	57824	5.587	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5829	1.397	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	207116	55.480	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	207116	134.299	ug/l #	14

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

Quant Time: Aug 18 02:30:31 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

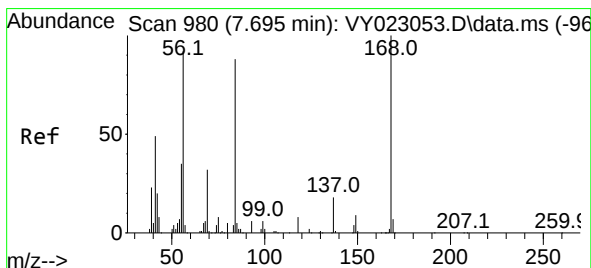
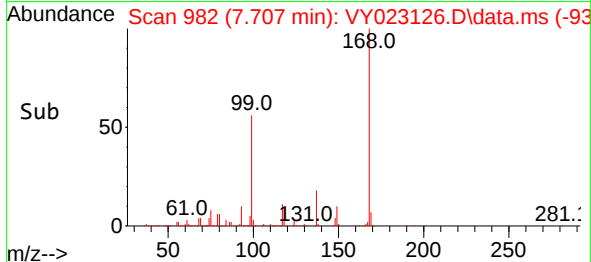
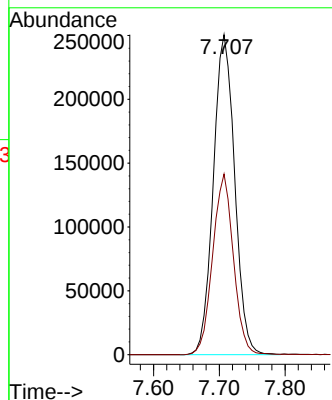
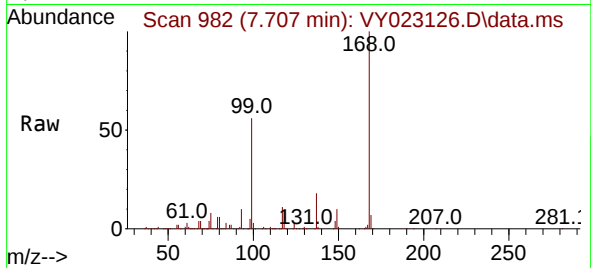




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

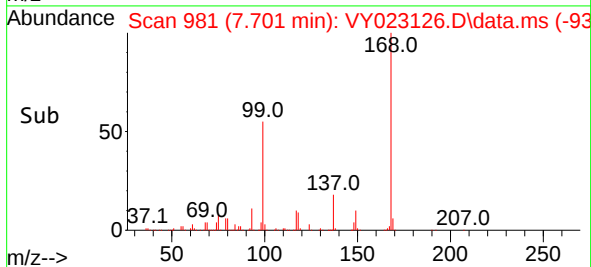
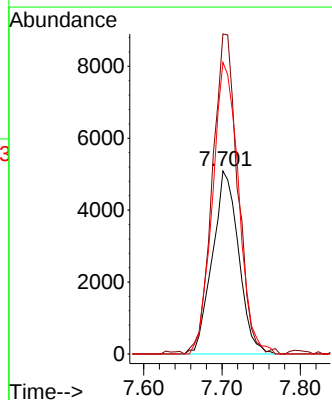
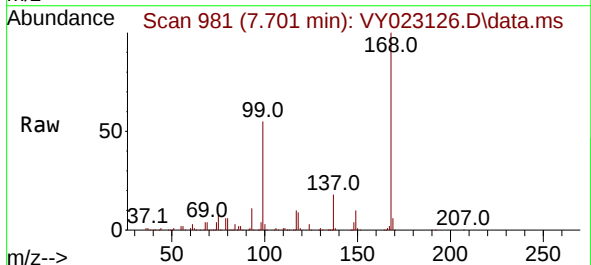
Instrument :
MSVOA_Y
ClientSampleId :
TG-S04

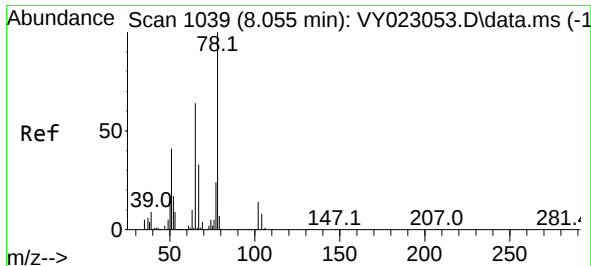
Tgt Ion:168 Resp: 567197
Ion Ratio Lower Upper
168 100
99 56.4 42.8 64.2



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Tgt Ion: 56 Resp: 11822
Ion Ratio Lower Upper
56 100
69 175.0 28.2 42.2#
84 159.5 76.6 114.8#

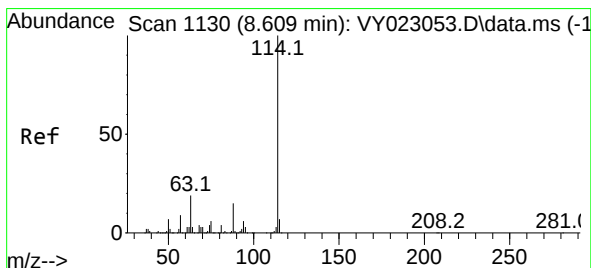
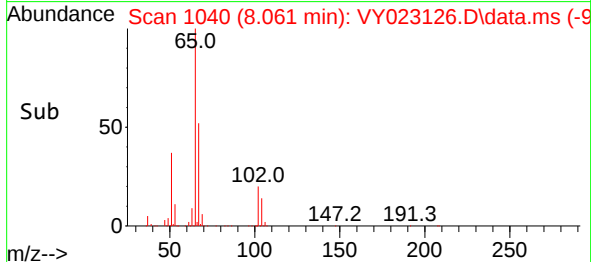
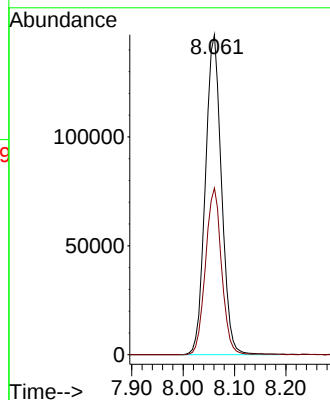
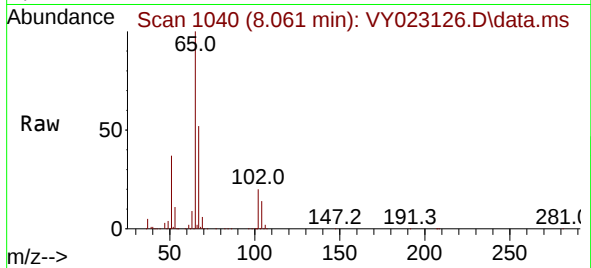




#33
 1,2-Dichloroethane-d4
 Concen: 59.177 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.006 min
 Lab File: VY023126.D
 Acq: 15 Aug 2025 15:34

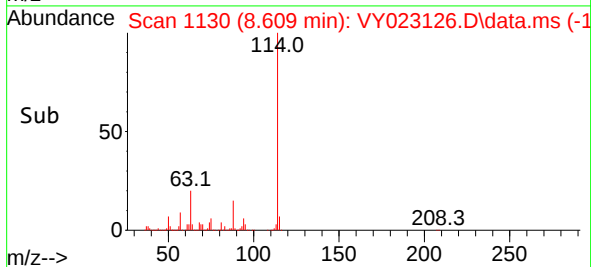
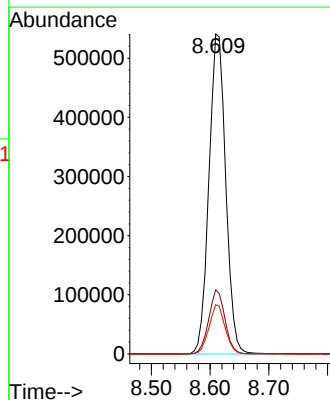
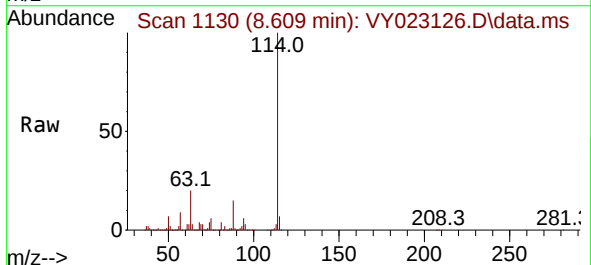
Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S04

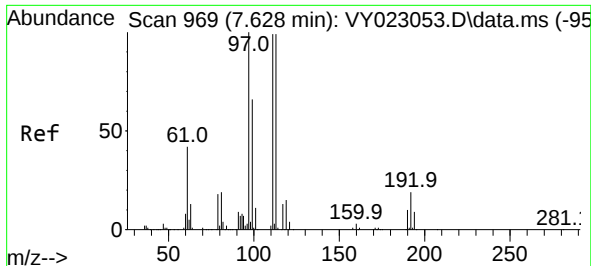
Tgt Ion: 65 Resp: 319898
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VY023126.D
 Acq: 15 Aug 2025 15:34

Tgt Ion: 114 Resp: 1071652
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.821 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023126.D

Acq: 15 Aug 2025 15:34

Instrument :

MSVOA_Y

ClientSampleId :

TG-S04

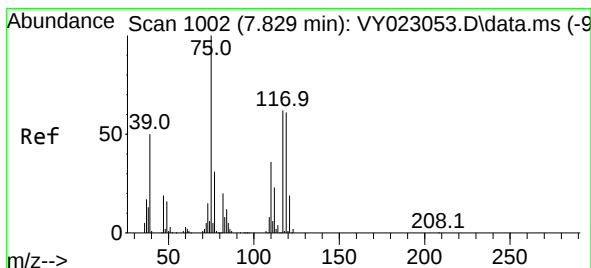
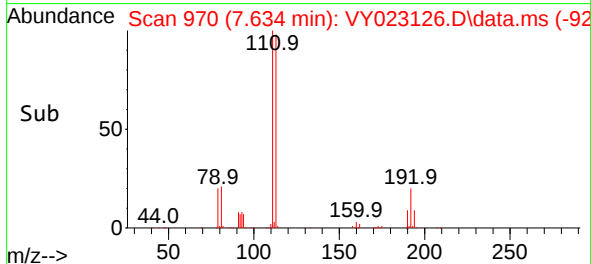
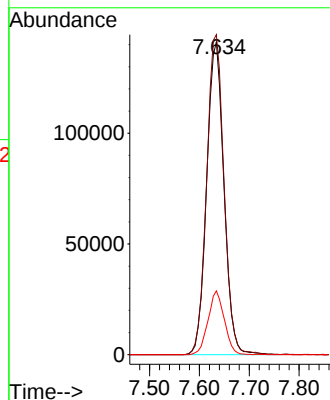
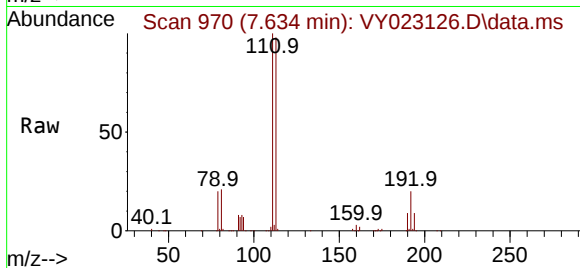
Tgt Ion:113 Resp: 338713

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

192 19.3 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.585 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023126.D

Acq: 15 Aug 2025 15:34

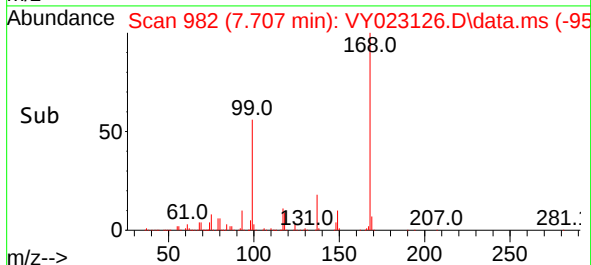
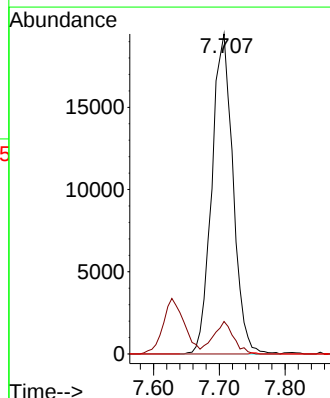
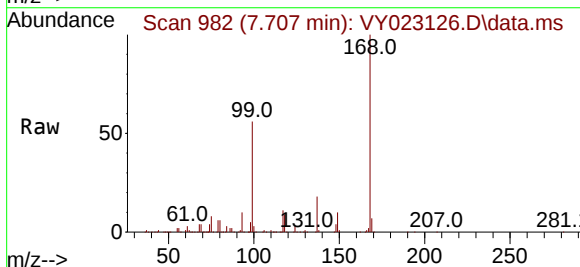
Tgt Ion: 75 Resp: 43697

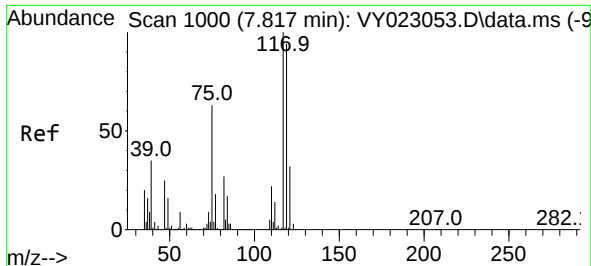
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

77 0.0 24.6 37.0#

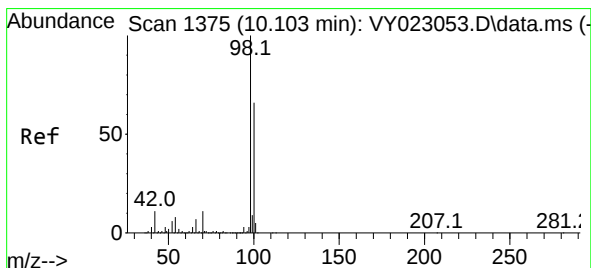
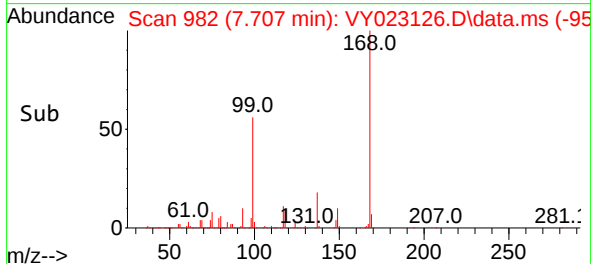
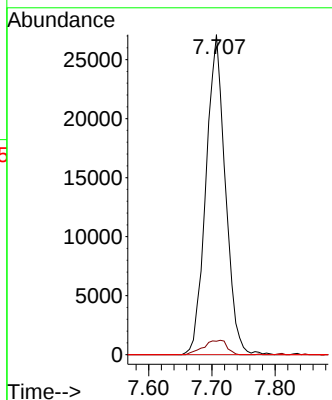
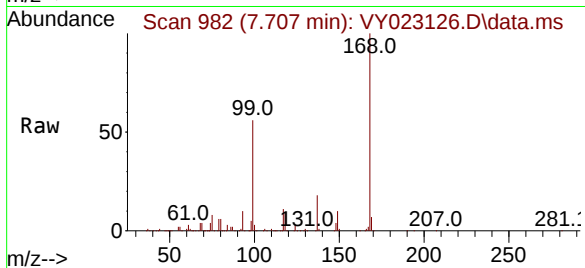




#38
Carbon Tetrachloride
Concen: 5.587 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

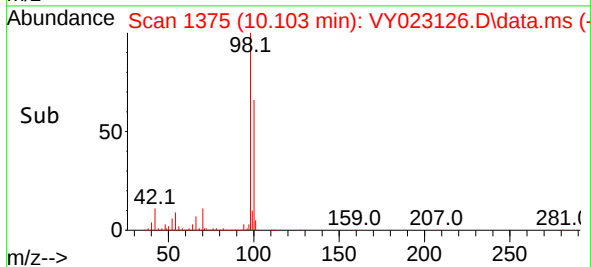
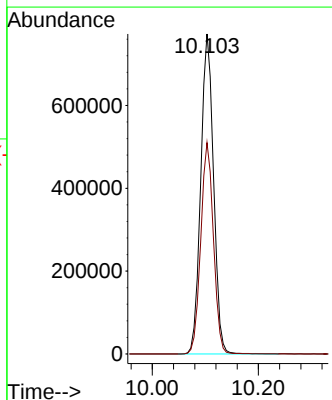
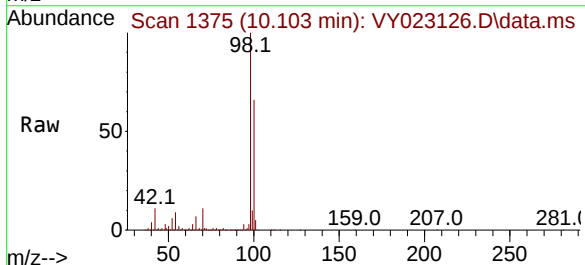
Instrument :
MSVOA_Y
ClientSampleId :
TG-S04

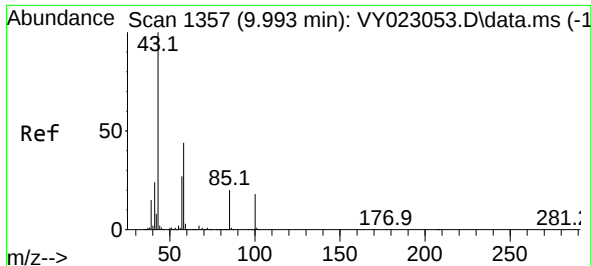
Tgt Ion:117 Resp: 57824
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.574 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Tgt Ion: 98 Resp: 1291975
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.397 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.110 min

Lab File: VY023126.D

Acq: 15 Aug 2025 15:34

Instrument :

MSVOA_Y

ClientSampleId :

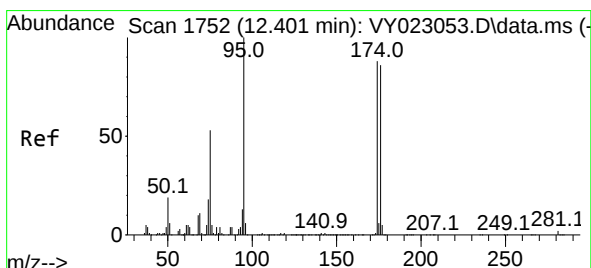
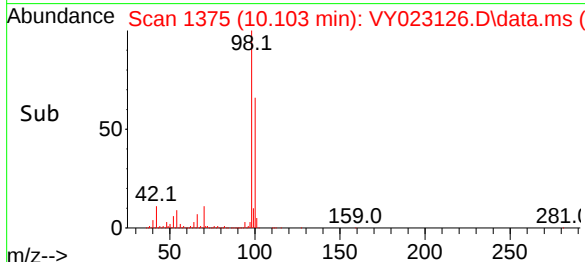
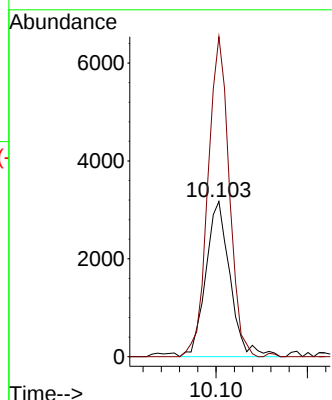
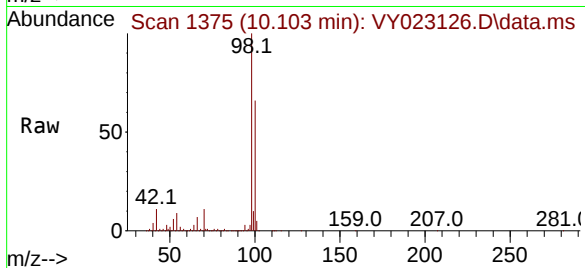
TG-S04

Tgt Ion: 43 Resp: 5829

Ion Ratio Lower Upper

43 100

58 181.2 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 47.732 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023126.D

Acq: 15 Aug 2025 15:34

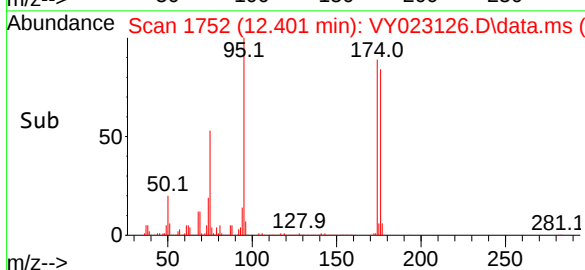
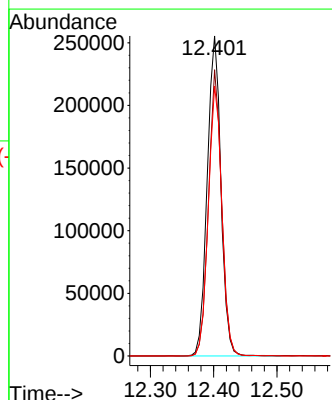
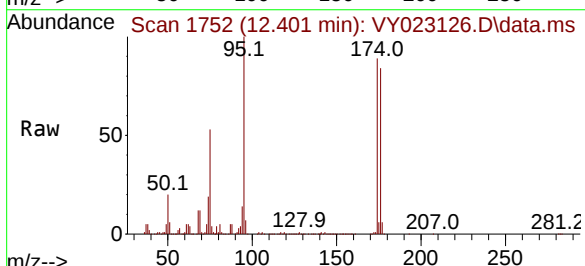
Tgt Ion: 95 Resp: 384540

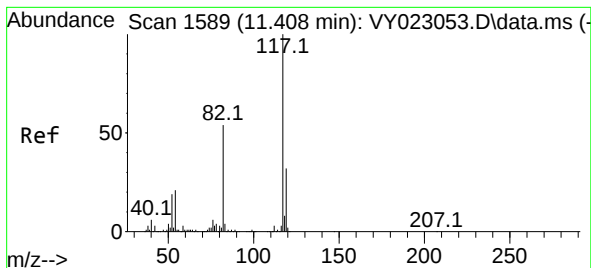
Ion Ratio Lower Upper

95 100

174 85.9 0.0 171.6

176 83.9 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: VY023126.D

Acq: 15 Aug 2025 15:34

Instrument :

MSVOA_Y

ClientSampleId :

TG-S04

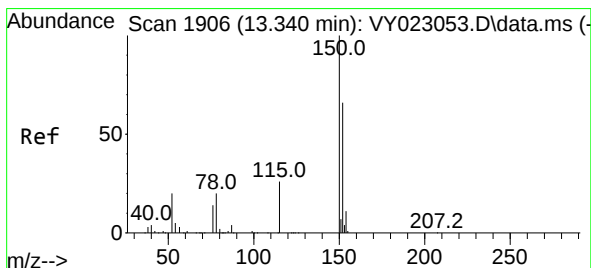
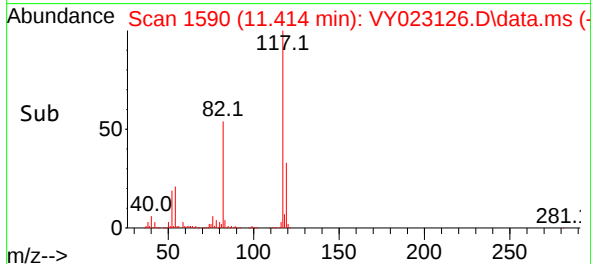
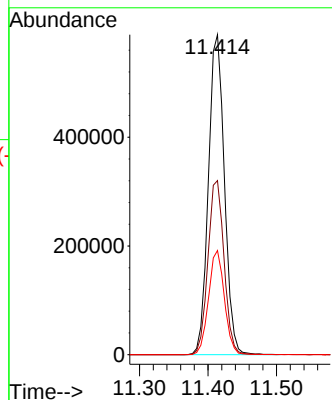
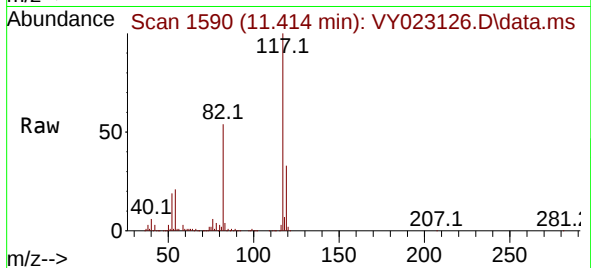
Tgt Ion:117 Resp: 957867

Ion Ratio Lower Upper

117 100

82 54.4 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: VY023126.D

Acq: 15 Aug 2025 15:34

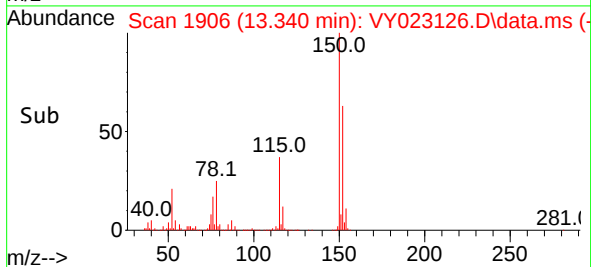
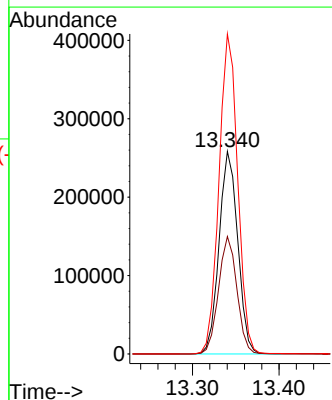
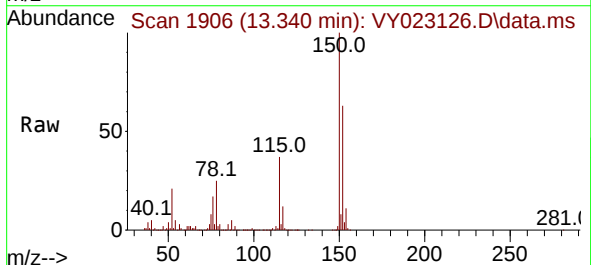
Tgt Ion:152 Resp: 386816

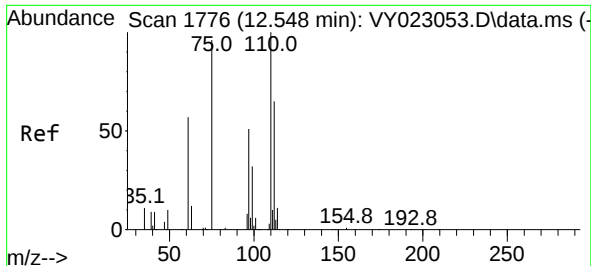
Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.6

150 158.4 0.0 348.0

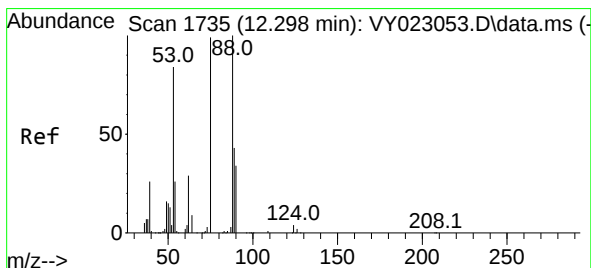
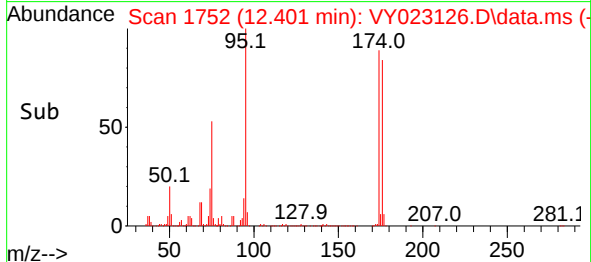
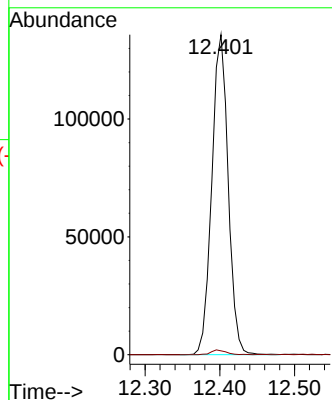
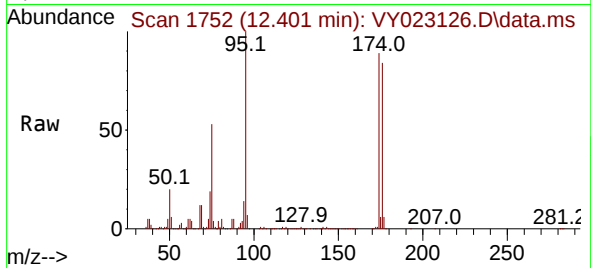




#76
1,2,3-Trichloropropane
Concen: 55.480 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
TG-S04

Tgt Ion: 75 Resp: 207116
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.299 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Tgt Ion: 75 Resp: 207116
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.1 38.1 57.1#

