

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023266.D
 Acq On : 02 Sep 2025 15:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 03 03:32:28 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

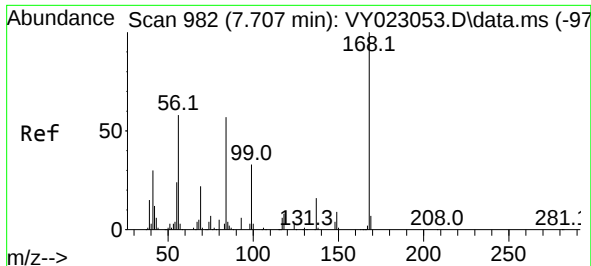
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	603540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1134196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1048919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	439633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	313764	54.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.100%	
35) Dibromofluoromethane	7.634	113	359742	53.007	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.109	98	1352087	50.998	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.402	95	413842	48.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.080%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.623	84	7514	Below Cal		92
31) Cyclohexane	7.707	56	11176	1.043	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42511	4.215	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57140	5.216	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4789	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	204066	48.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	204066	116.424	ug/l #	14

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

Quant Time: Sep 03 03:32:28 2025
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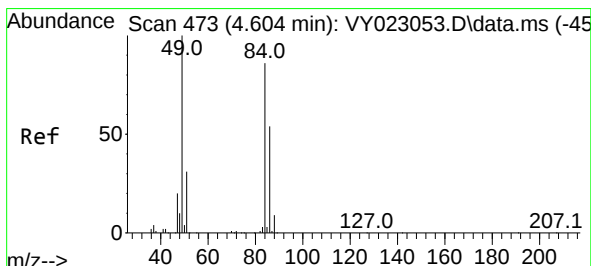
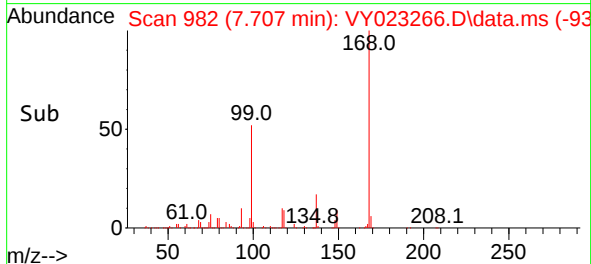
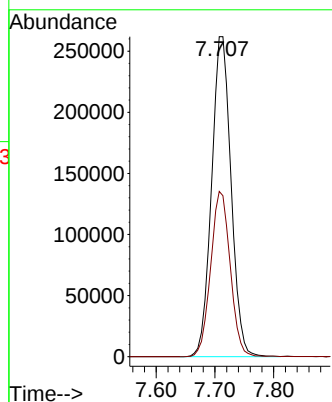
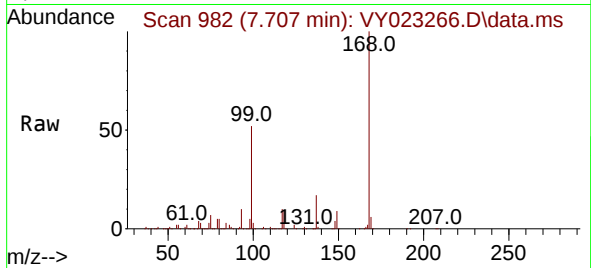




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

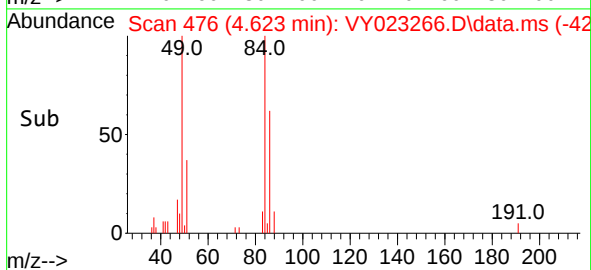
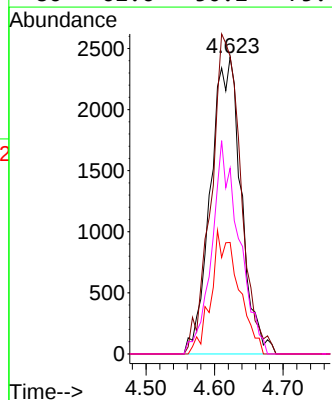
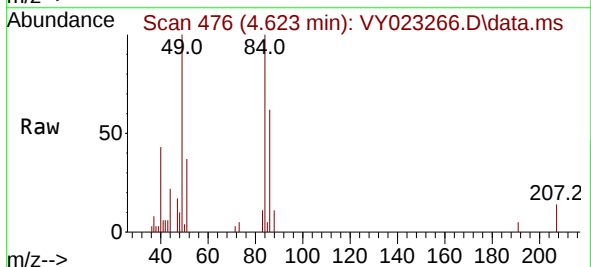
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

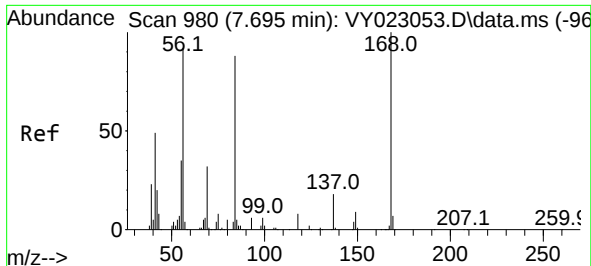
Tgt Ion:168 Resp: 603540
Ion Ratio Lower Upper
168 100
99 51.6 42.8 64.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.623 min Scan# 476
Delta R.T. 0.019 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion: 84 Resp: 7514
Ion Ratio Lower Upper
84 100
49 100.3 93.0 139.6
51 37.6 29.0 43.4
86 62.6 50.2 75.4

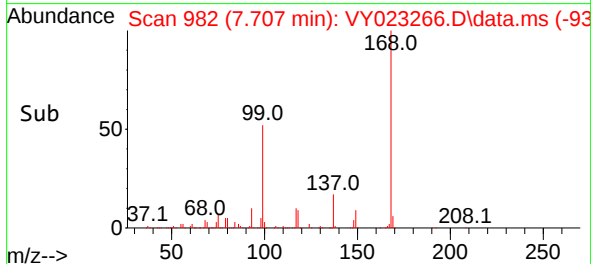
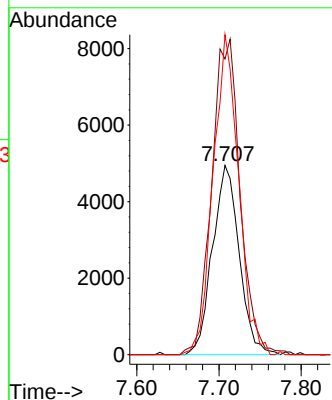
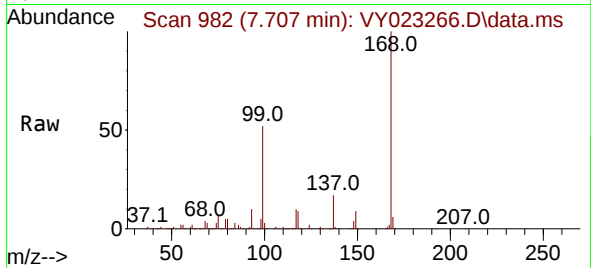




#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

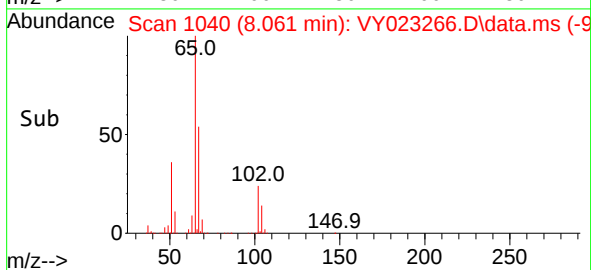
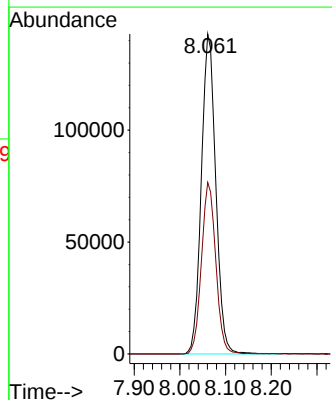
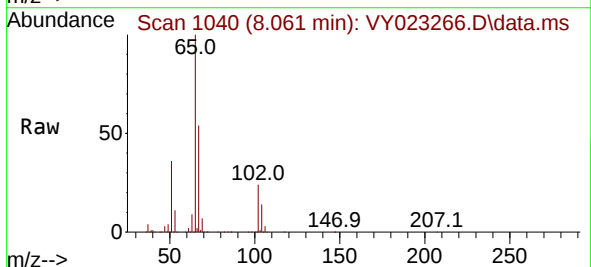
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

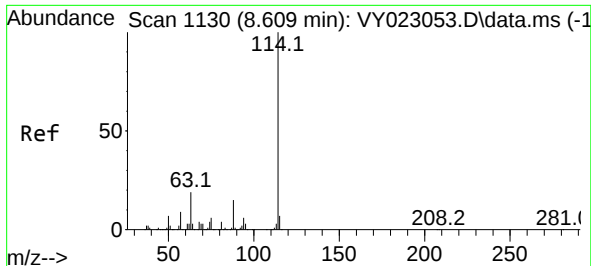
Tgt Ion: 56 Resp: 11176
Ion Ratio Lower Upper
56 100
69 156.3 28.2 42.2#
84 169.1 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 54.547 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion: 65 Resp: 313764
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: VY023266.D

Acq: 02 Sep 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

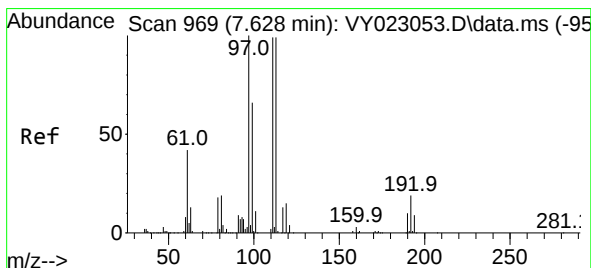
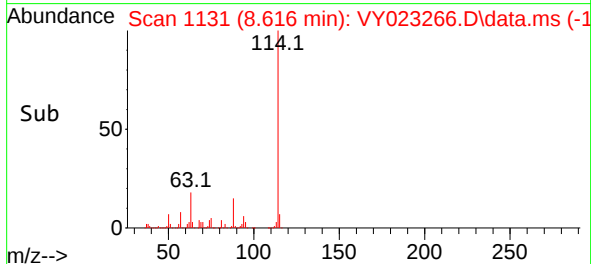
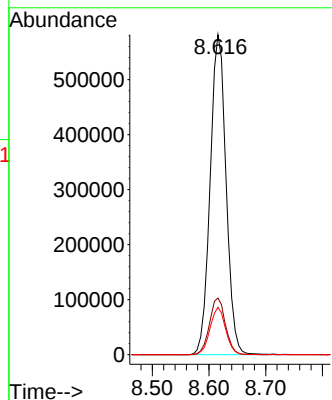
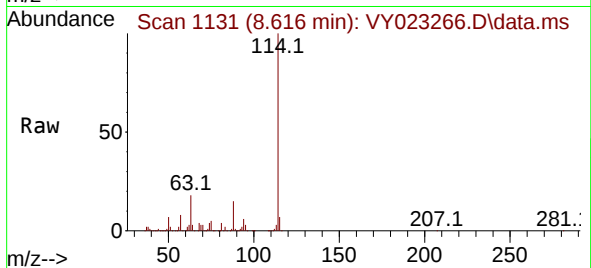
Tgt Ion:114 Resp: 1134196

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.007 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023266.D

Acq: 02 Sep 2025 15:33

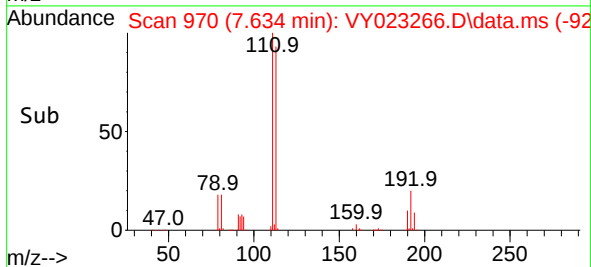
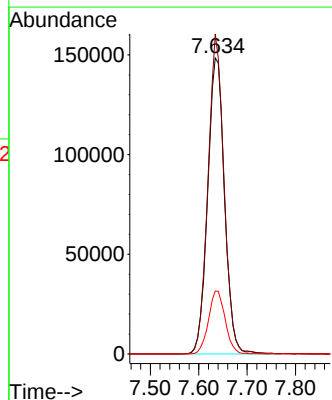
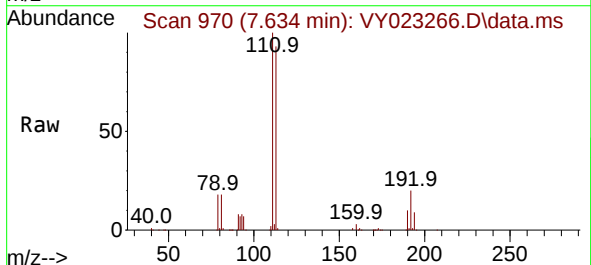
Tgt Ion:113 Resp: 359742

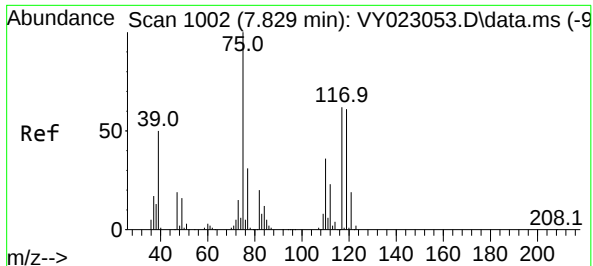
Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

192 21.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.215 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023266.D

Acq: 02 Sep 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

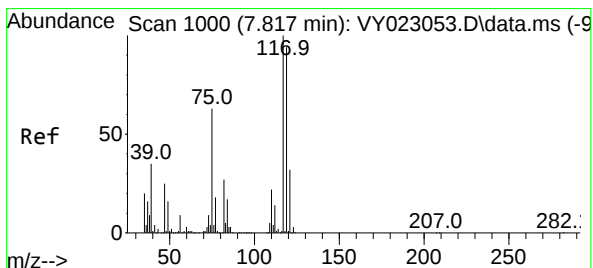
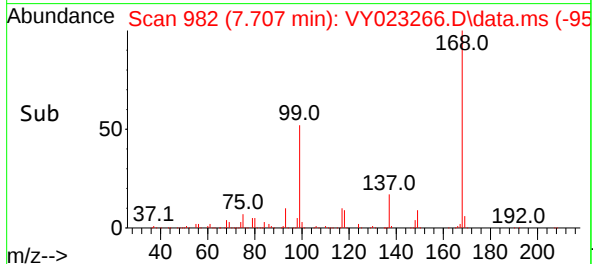
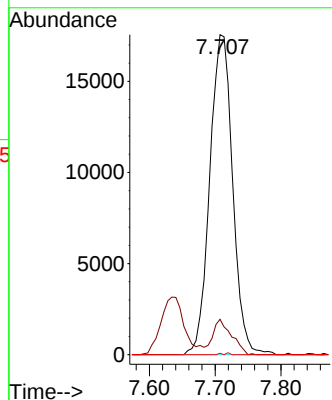
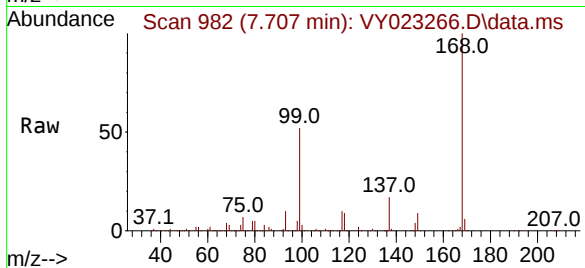
Tgt Ion: 75 Resp: 42511

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.216 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023266.D

Acq: 02 Sep 2025 15:33

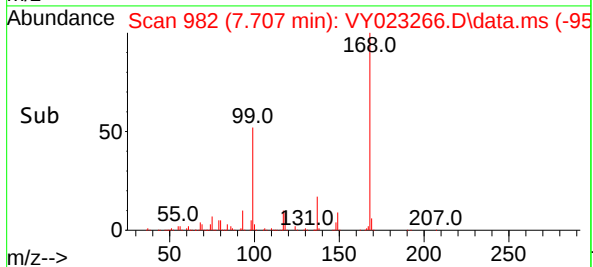
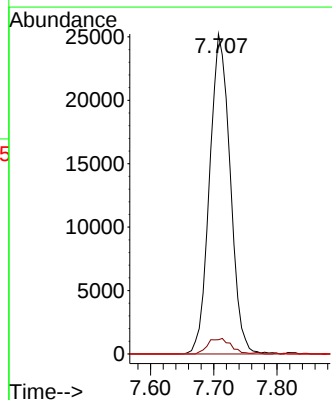
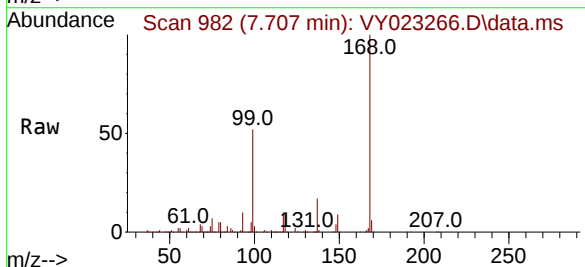
Tgt Ion: 117 Resp: 57140

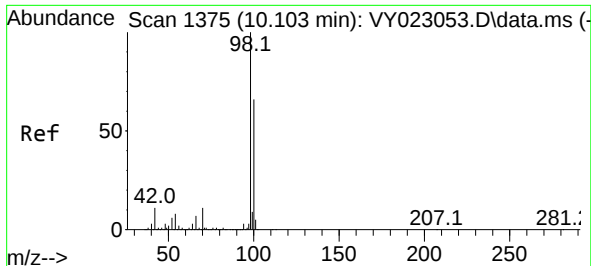
Ion Ratio Lower Upper

117 100

119 4.4 75.6 113.4#

121 0.0 25.8 38.8#

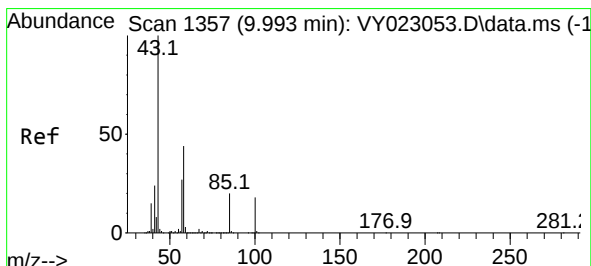
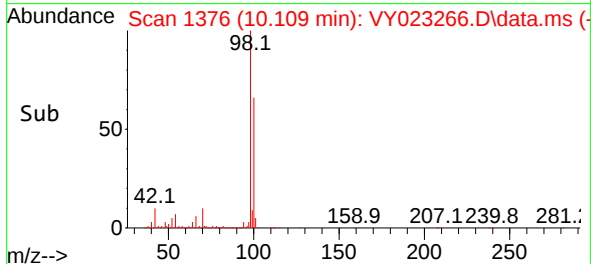
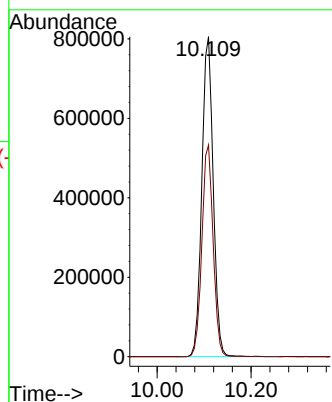
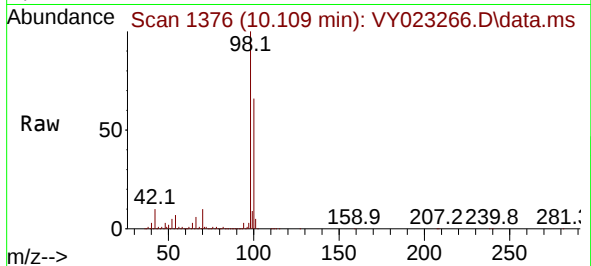




#50
Toluene-d8
Concen: 50.998 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

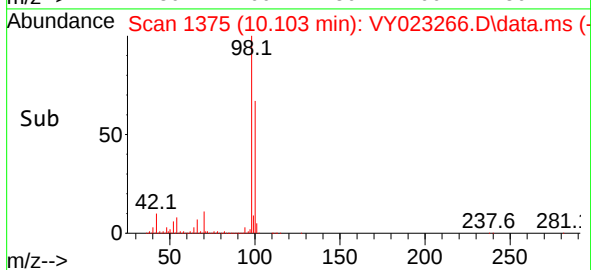
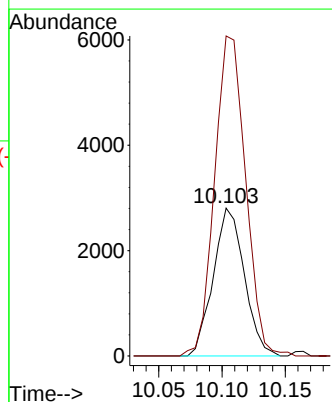
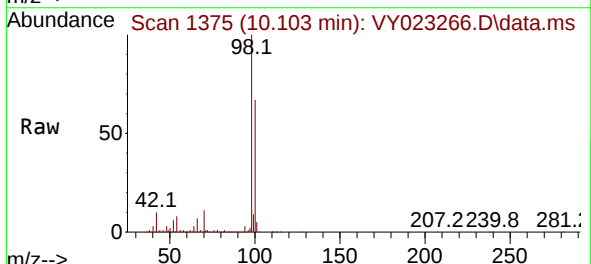
Instrument :
MSVOA_Y
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VIBLK

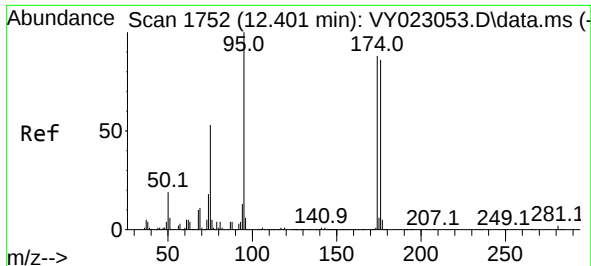
Tgt Ion: 98 Resp: 1352087
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.084 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion: 43 Resp: 4789
Ion Ratio Lower Upper
43 100
58 215.8 33.5 50.3#

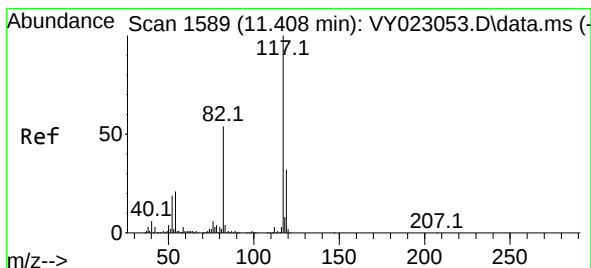
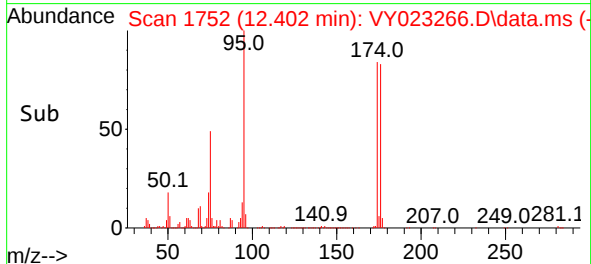
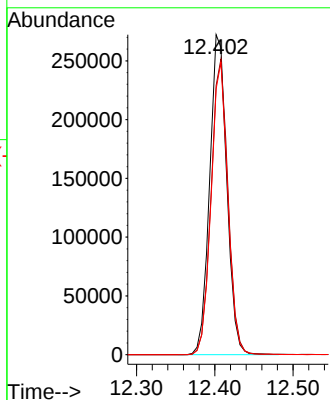
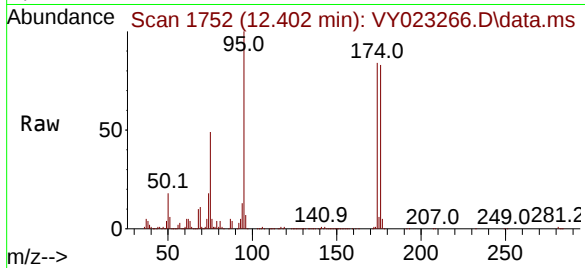




#62
4-Bromofluorobenzene
Concen: 48.536 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

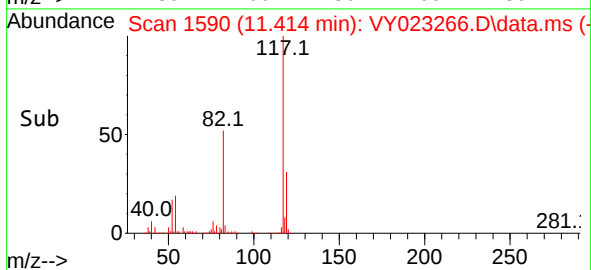
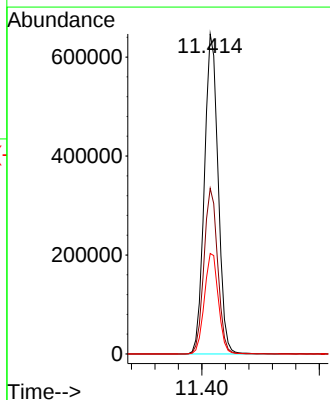
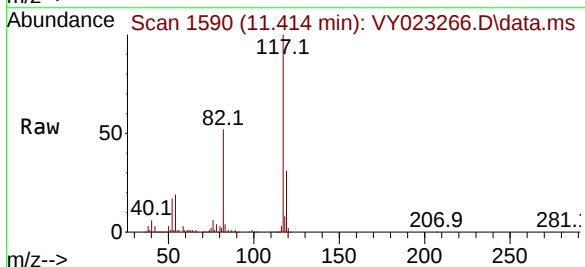
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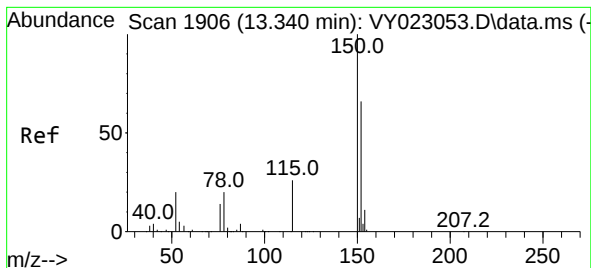
Tgt Ion: 95 Resp: 413842
Ion Ratio Lower Upper
95 100
174 91.5 0.0 171.6
176 89.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023266.D
Acq: 02 Sep 2025 15:33

Tgt Ion: 117 Resp: 1048919
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023266.D

Acq: 02 Sep 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

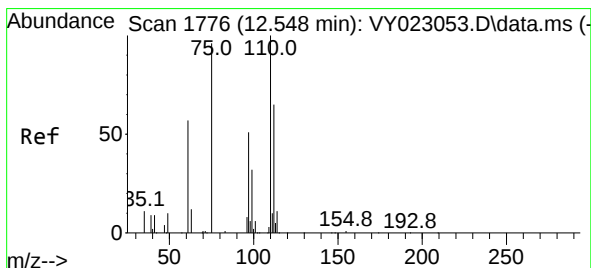
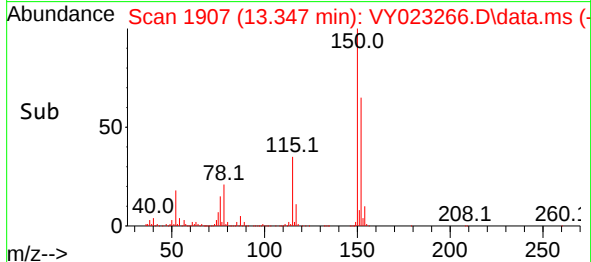
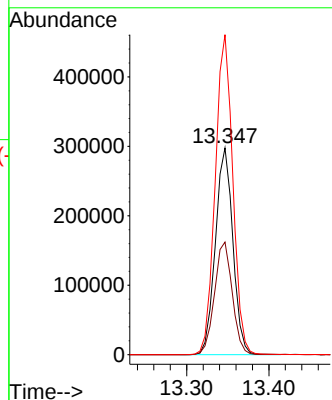
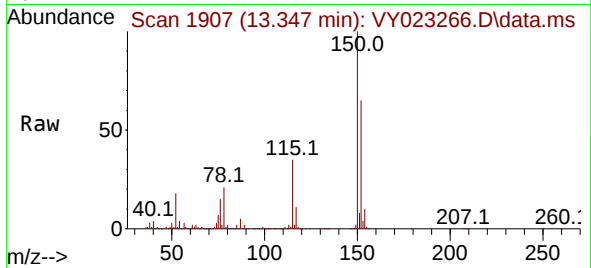
Tgt Ion:152 Resp: 439633

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 155.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 48.096 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023266.D

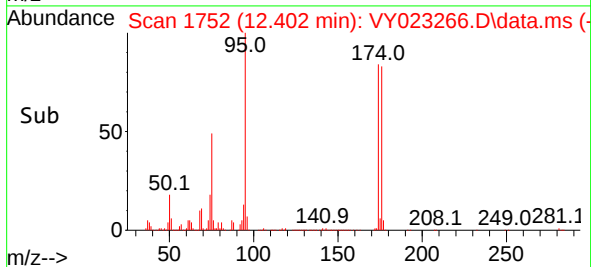
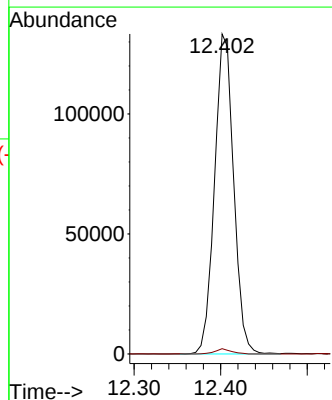
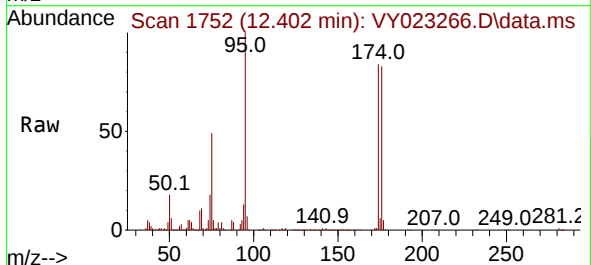
Acq: 02 Sep 2025 15:33

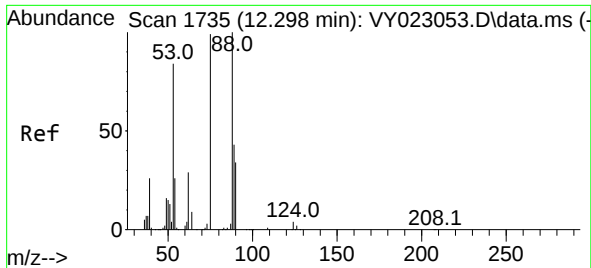
Tgt Ion: 75 Resp: 204066

Ion Ratio Lower Upper

75 100

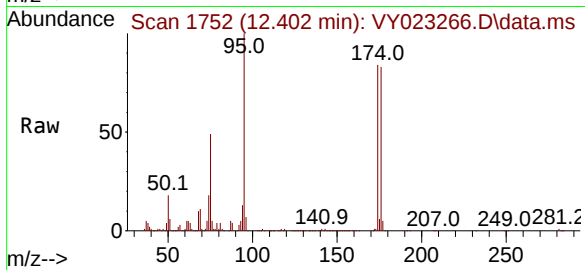
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.424 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023266.D
 Acq: 02 Sep 2025 15:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 204066
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

