

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023319.D
 Acq On : 09 Sep 2025 12:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 10 01:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

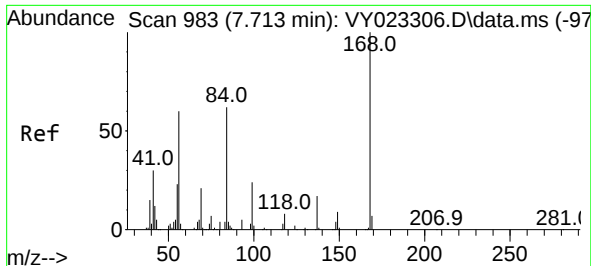
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	609974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1149893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1040911	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	430102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	298964	55.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.560%	
35) Dibromofluoromethane	7.634	113	365400	51.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.980%	
50) Toluene-d8	10.109	98	1357560	51.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.407	95	401336	48.050	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.100%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	13697	2.097	ug/l	89
31) Cyclohexane	7.713	56	11459	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43201	4.315	ug/l #	50
38) Carbon Tetrachloride	7.713	117	57637	5.004	ug/l #	17
49) 1,4-Dioxane	8.987	88	48	1.105	ug/l #	1
51) 4-Methyl-2-Pentanone	10.109	43	5060	1.277	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	203349	46.687	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	203349	127.320	ug/l #	14

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

Quant Time: Sep 10 01:53:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

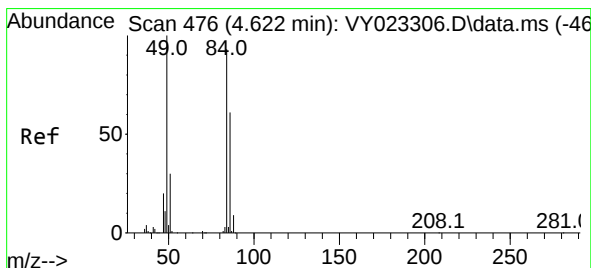
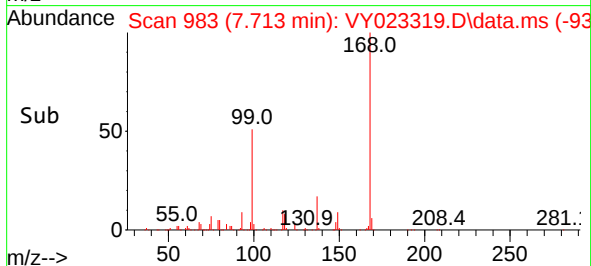
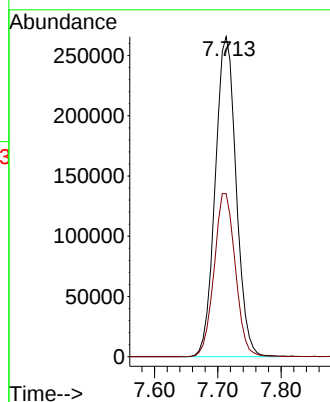
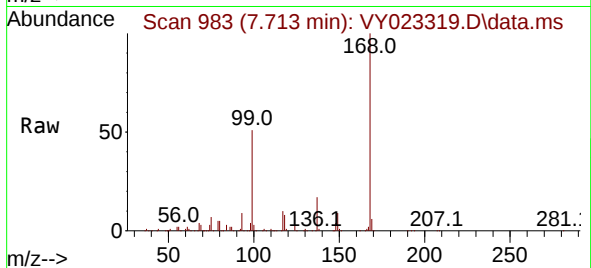




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

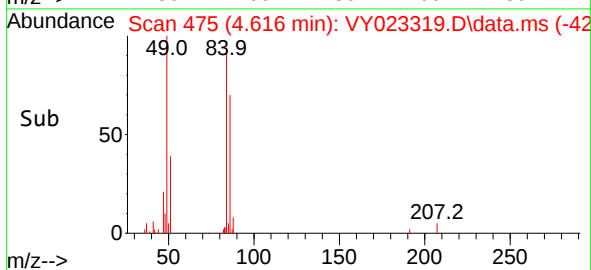
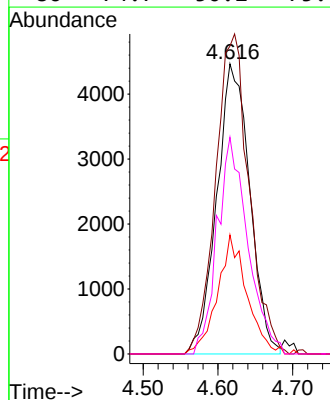
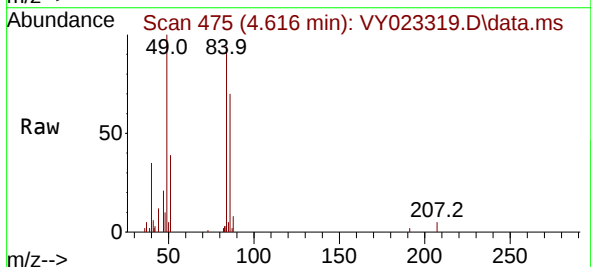
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

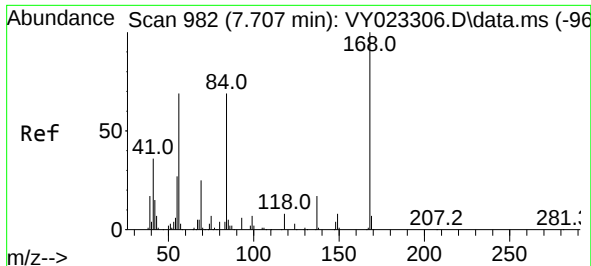
Tgt Ion:168 Resp: 609974
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#20
Methylene Chloride
Concen: 2.097 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion: 84 Resp: 13697
Ion Ratio Lower Upper
84 100
49 106.2 93.0 139.6
51 41.1 29.0 43.4
86 74.7 50.2 75.4

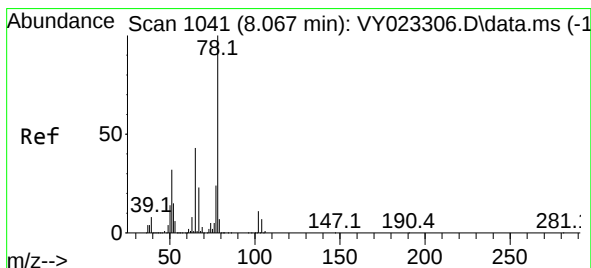
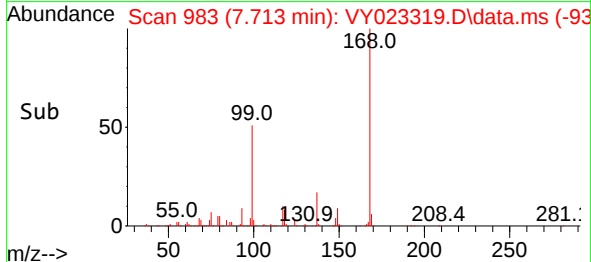
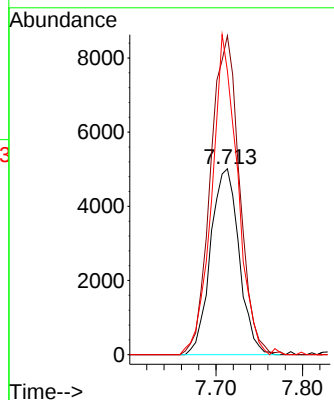
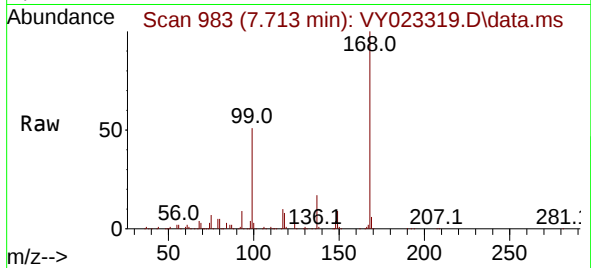




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

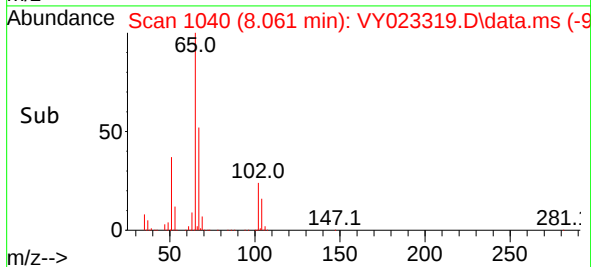
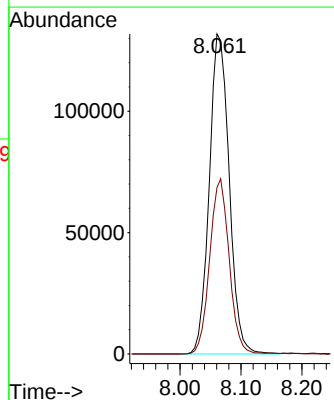
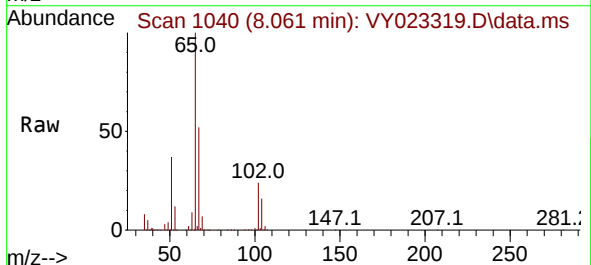
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

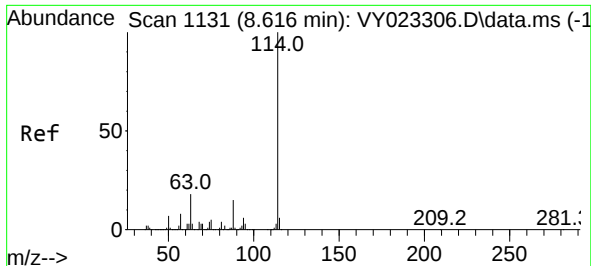
Tgt Ion: 56 Resp: 11459
Ion Ratio Lower Upper
56 100
69 171.5 28.2 42.2#
84 152.7 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 55.778 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion: 65 Resp: 298964
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

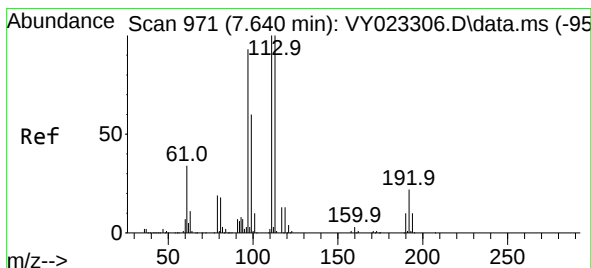
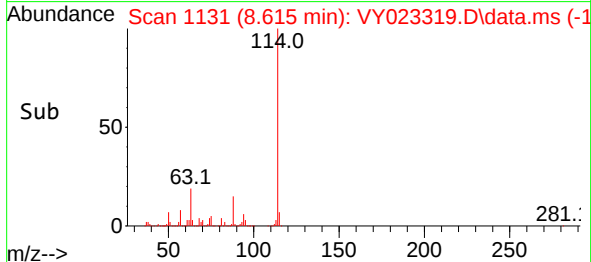
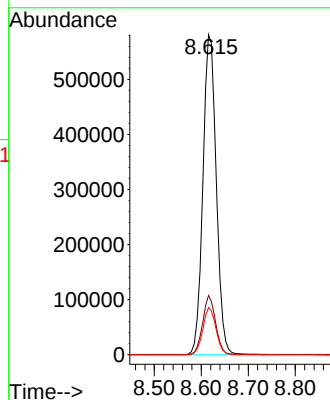
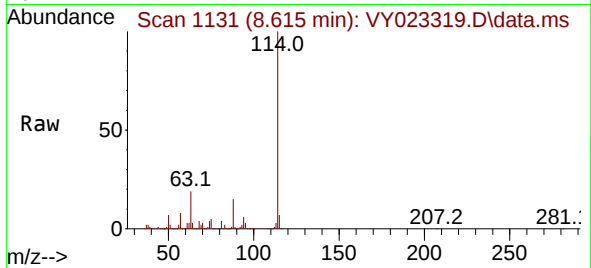




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

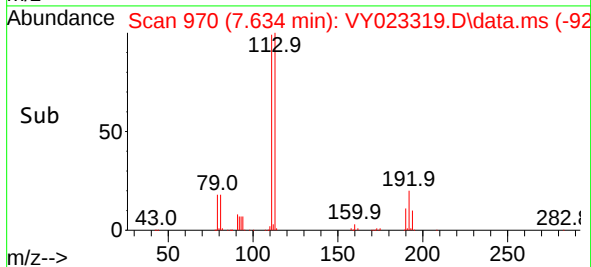
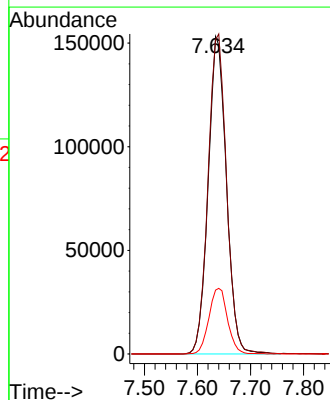
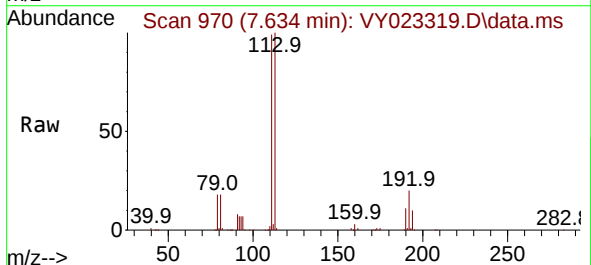
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

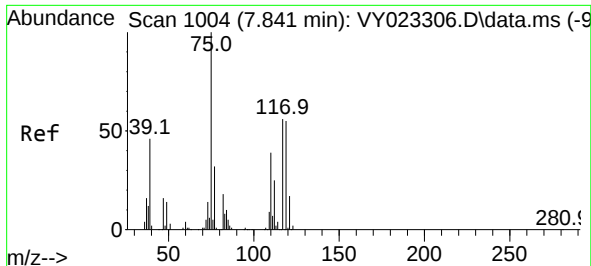
Tgt Ion:114 Resp: 1149893
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 51.985 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion:113 Resp: 365400
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 21.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.315 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

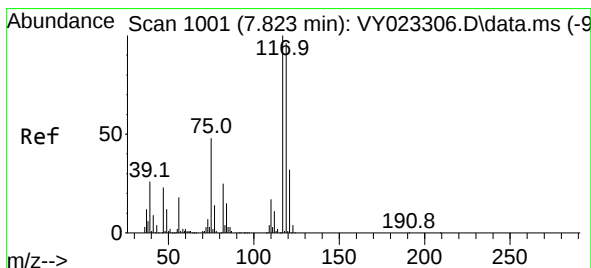
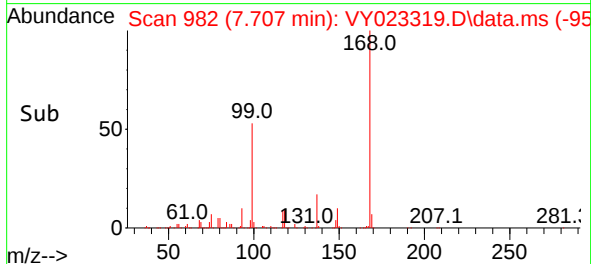
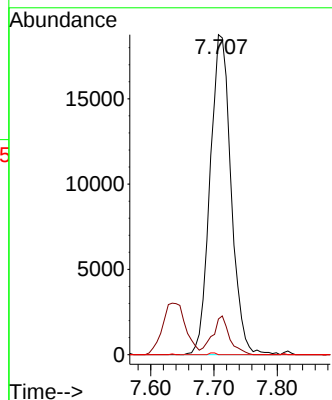
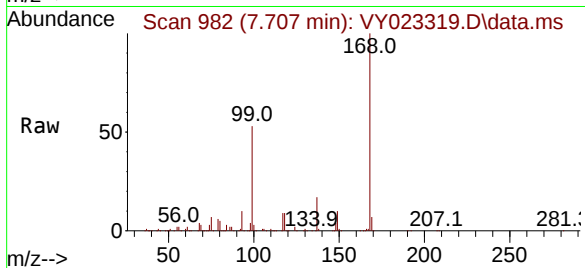
Tgt Ion: 75 Resp: 43201

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.004 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

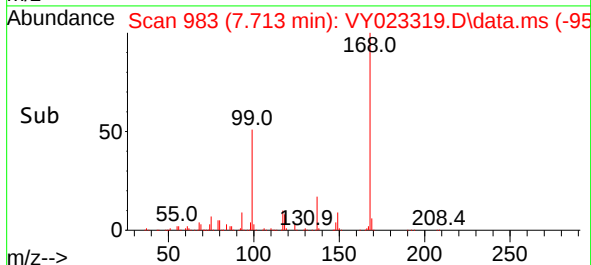
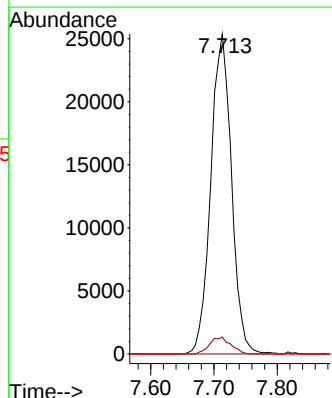
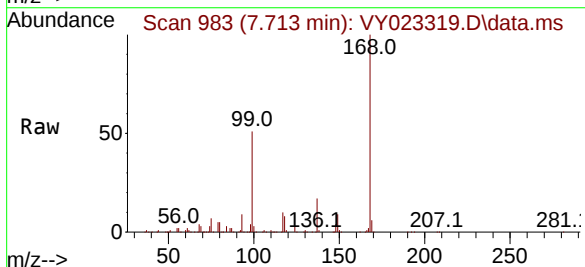
Tgt Ion: 117 Resp: 57637

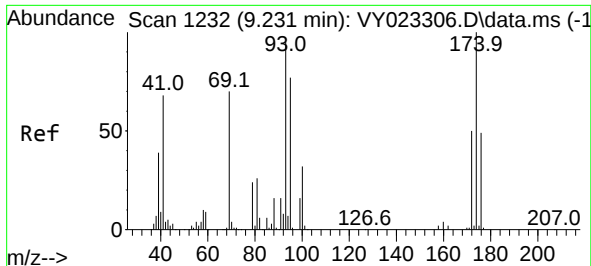
Ion Ratio Lower Upper

117 100

119 5.3 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 1.105 ug/l

RT: 8.987 min Scan# 1192

Delta R.T. -0.238 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

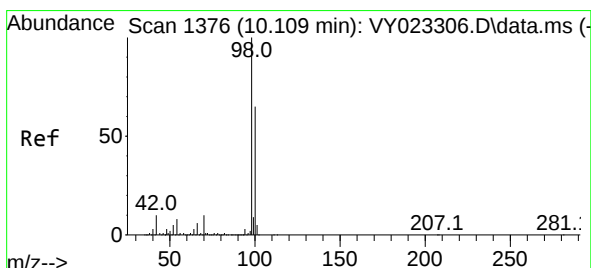
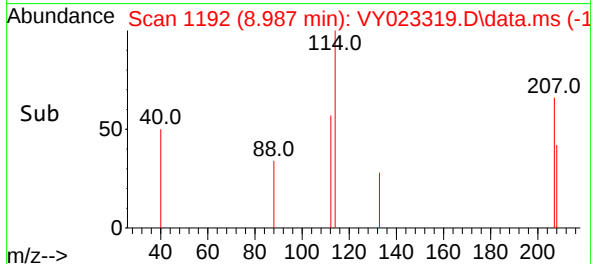
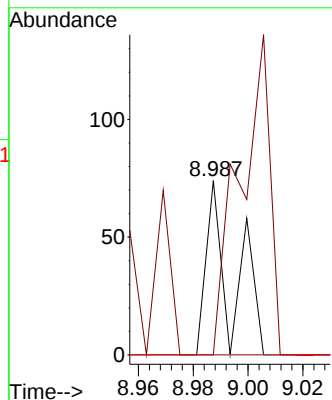
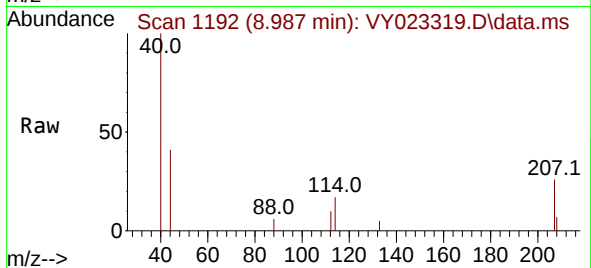
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 216.7 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 51.149 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023319.D

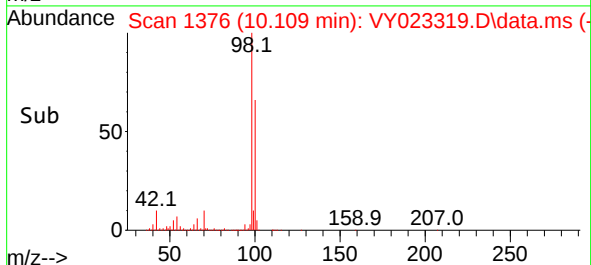
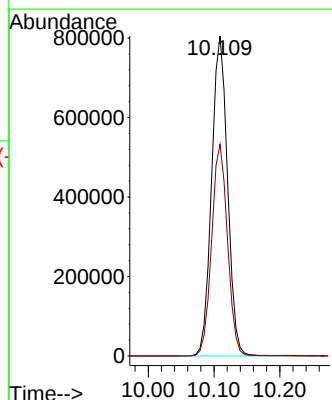
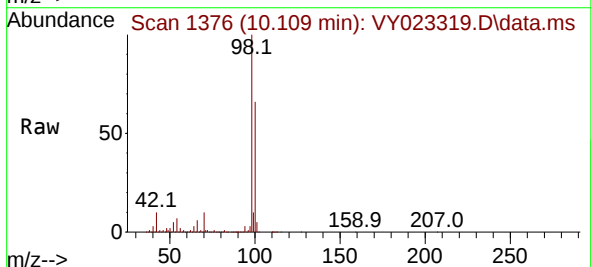
Acq: 09 Sep 2025 12:31

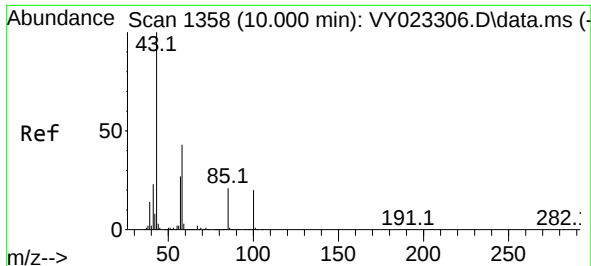
Tgt Ion: 98 Resp: 1357560

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5

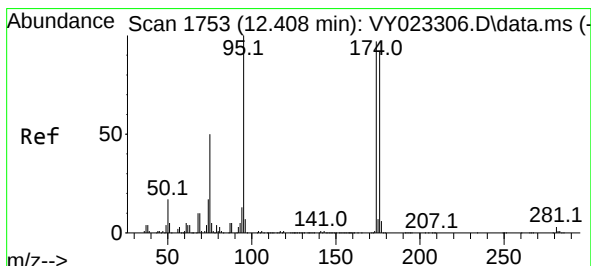
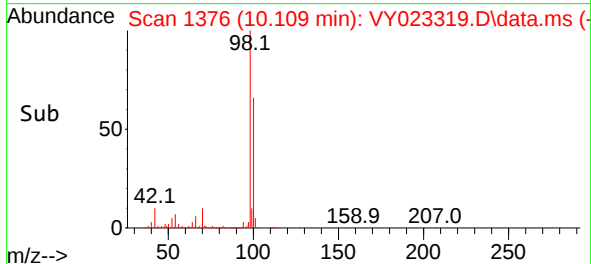
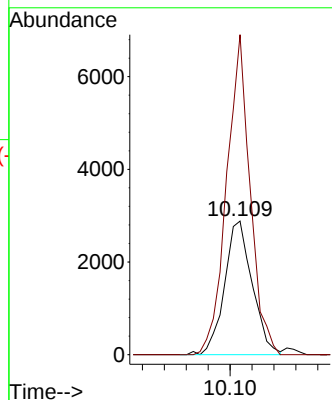
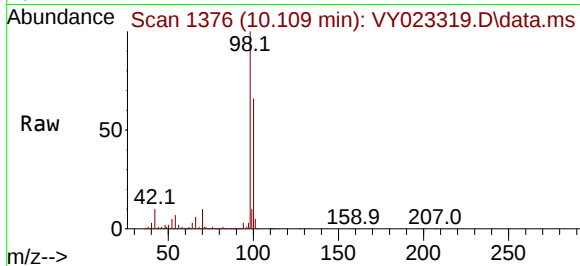




#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.116 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

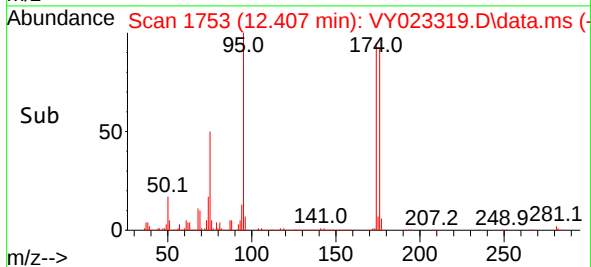
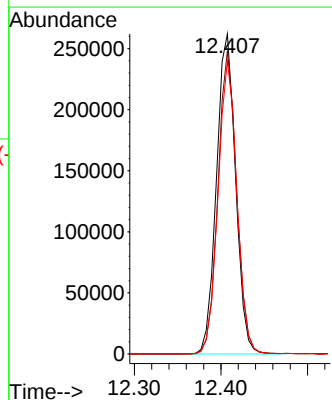
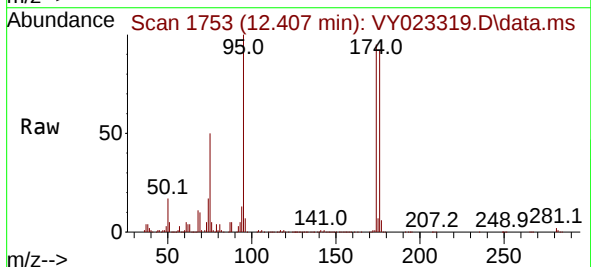
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

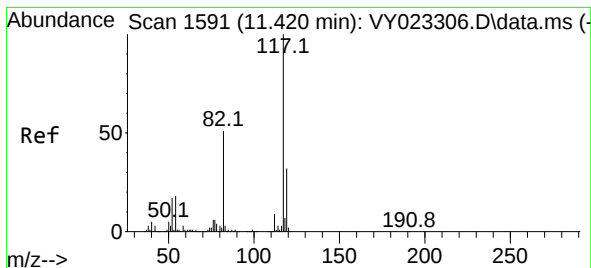
Tgt Ion: 43 Resp: 5060
Ion Ratio Lower Upper
43 100
58 203.0 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 48.050 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion: 95 Resp: 401336
Ion Ratio Lower Upper
95 100
174 92.9 0.0 171.6
176 90.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

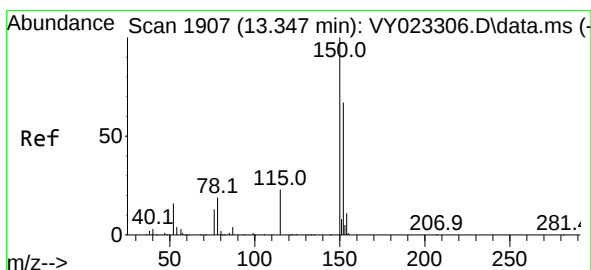
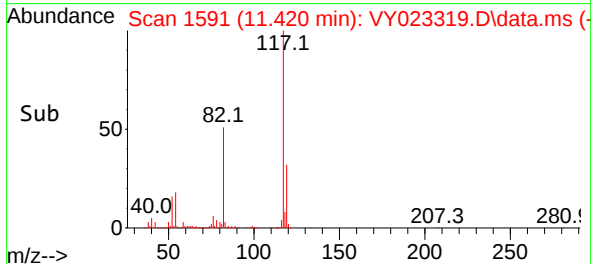
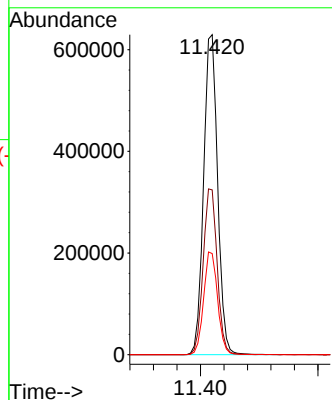
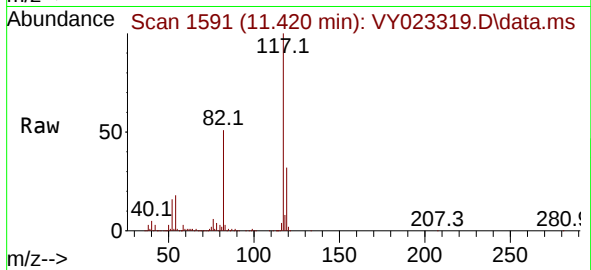
Tgt Ion:117 Resp: 1040911

Ion Ratio Lower Upper

117 100

82 51.5 43.4 65.0

119 31.6 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: VY023319.D

Acq: 09 Sep 2025 12:31

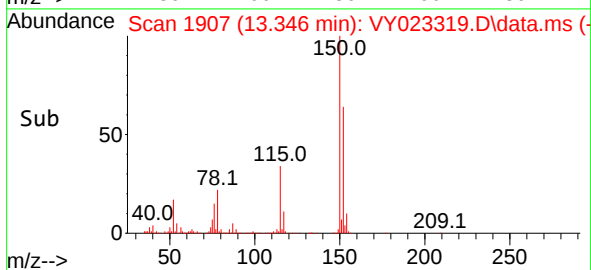
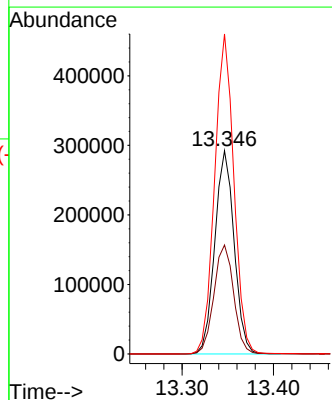
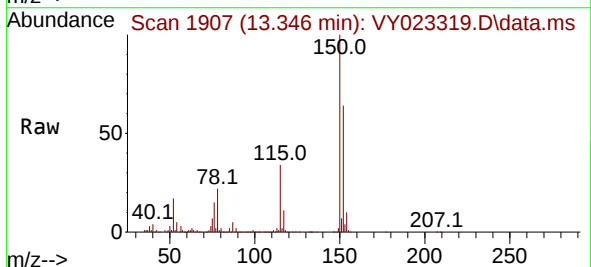
Tgt Ion:152 Resp: 430102

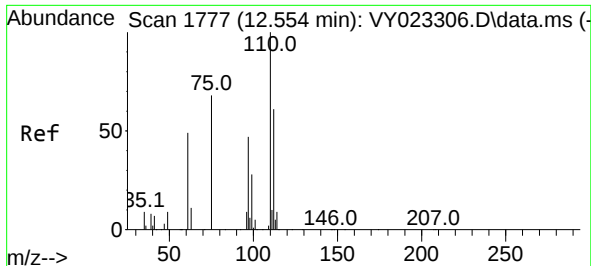
Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

150 156.5 0.0 348.0

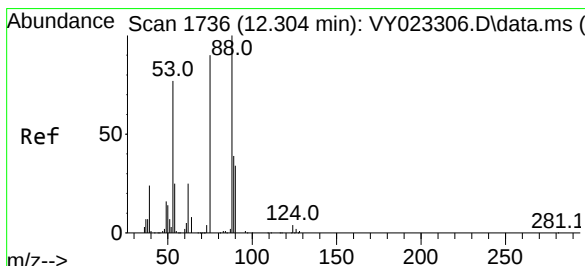
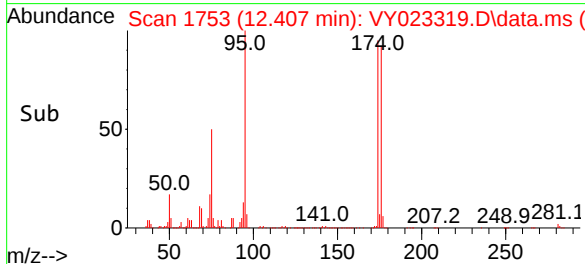
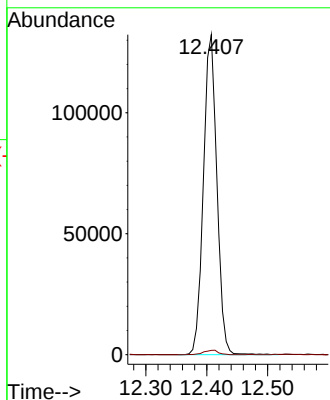
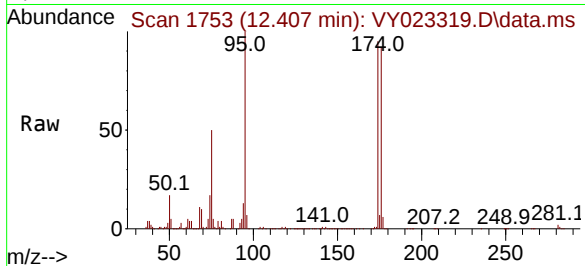




#76
1,2,3-Trichloropropane
Concen: 46.687 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.140 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 203349
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.320 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion: 75 Resp: 203349
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

