

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023348.D
 Acq On : 11 Sep 2025 15:02
 Operator : SY/MD
 Sample : Q3082-03
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-30

Quant Time: Sep 12 01:28:43 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

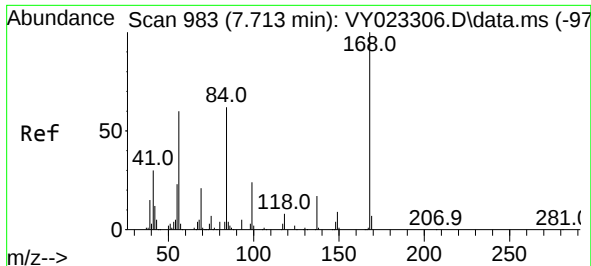
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	625914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1190741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1086647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	477144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	319258	58.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.100%	
35) Dibromofluoromethane	7.634	113	374395	51.438	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.880%	
50) Toluene-d8	10.103	98	1396578	50.814	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	12.401	95	441259	51.017	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.040%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	22435	3.347	ug/l #	85
31) Cyclohexane	7.707	56	11221	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41899	4.042	ug/l #	50
38) Carbon Tetrachloride	7.707	117	58142	4.874	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5063	1.234	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	216638	44.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	216638	122.267	ug/l #	14

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

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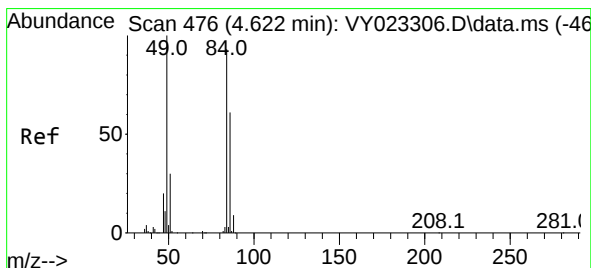
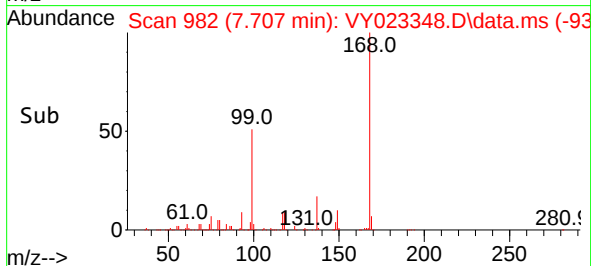
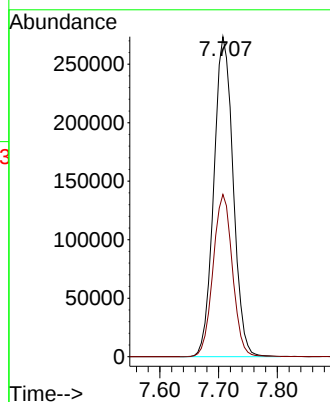
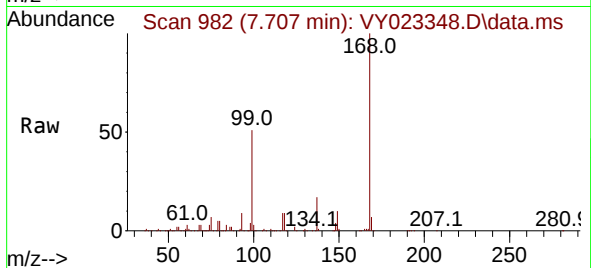




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

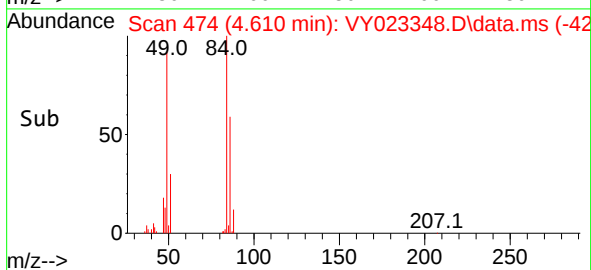
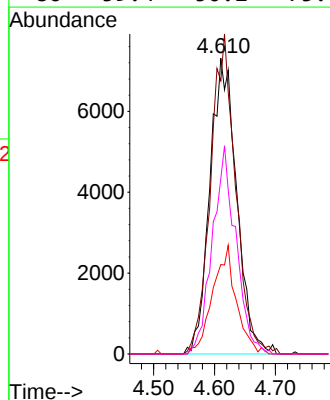
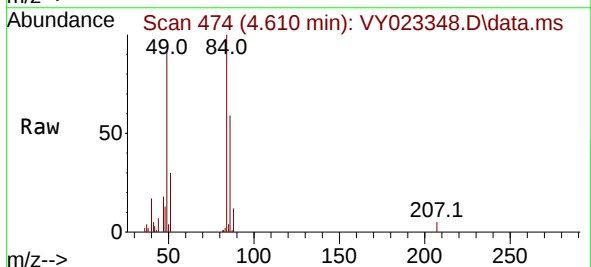
Instrument :
MSVOA_Y
ClientSampleId :
WC-30

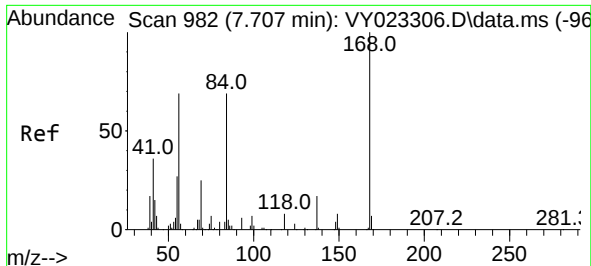
Tgt Ion:168 Resp: 625914
Ion Ratio Lower Upper
168 100
99 50.7 42.8 64.2



#20
Methylene Chloride
Concen: 3.347 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

Tgt Ion: 84 Resp: 22435
Ion Ratio Lower Upper
84 100
49 92.3 93.0 139.6#
51 30.3 29.0 43.4
86 59.4 50.2 75.4

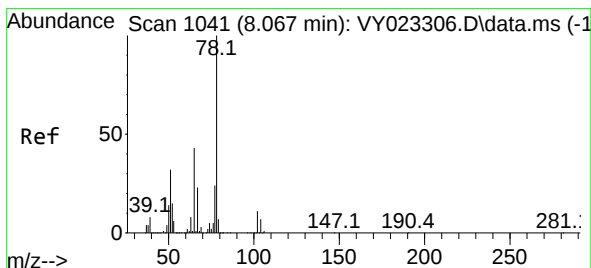
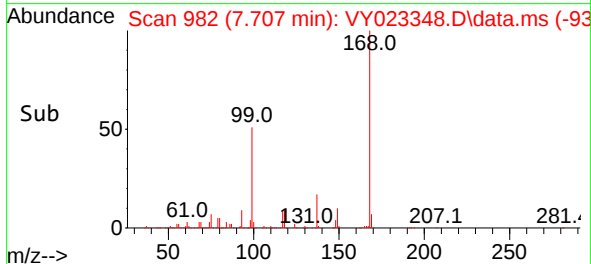
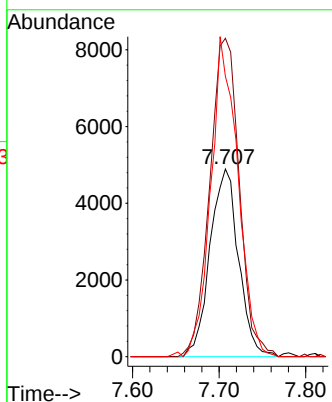
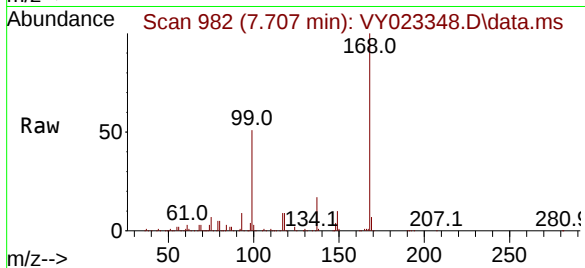




#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

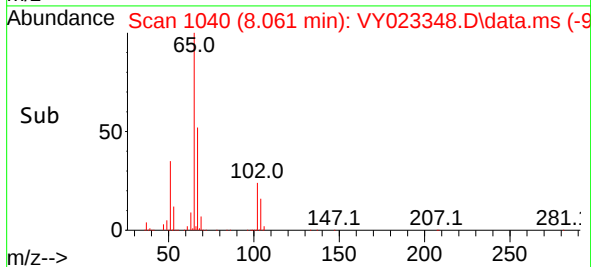
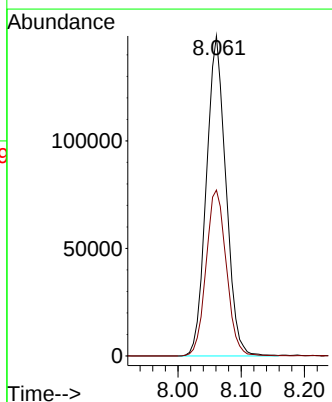
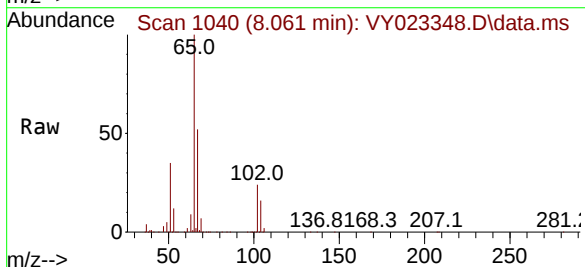
Instrument :
MSVOA_Y
ClientSampleId :
WC-30

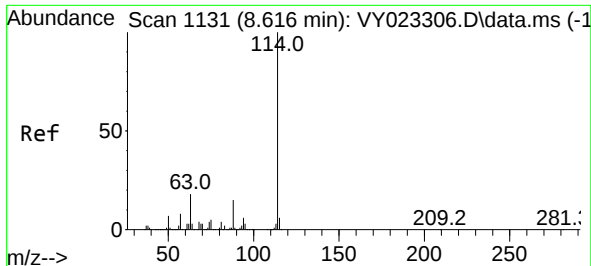
Tgt Ion: 56 Resp: 11221
Ion Ratio Lower Upper
56 100
69 169.6 28.2 42.2#
84 149.4 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 58.047 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

Tgt Ion: 65 Resp: 319258
Ion Ratio Lower Upper
65 100
67 53.8 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: VY023348.D

Acq: 11 Sep 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

WC-30

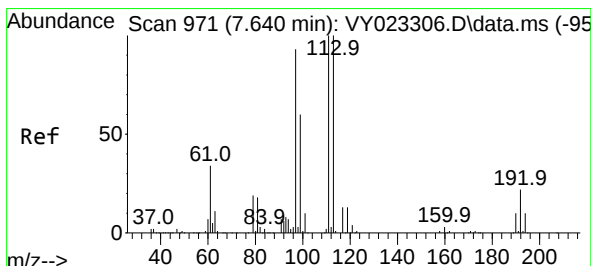
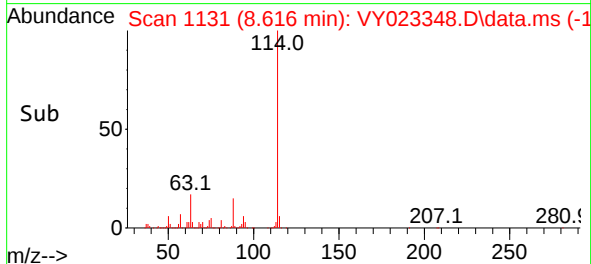
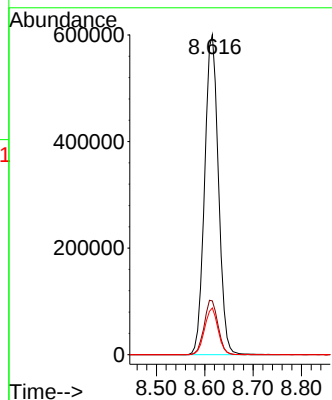
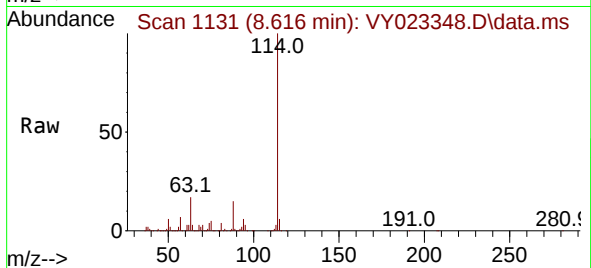
Tgt Ion:114 Resp: 1190741

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.438 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023348.D

Acq: 11 Sep 2025 15:02

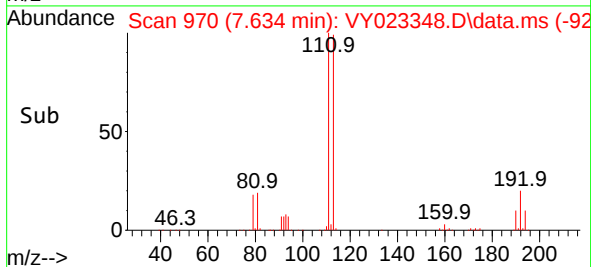
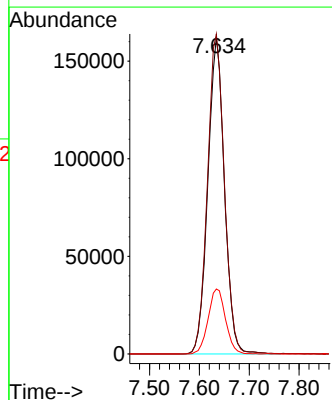
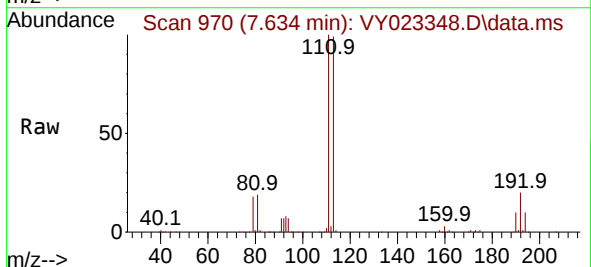
Tgt Ion:113 Resp: 374395

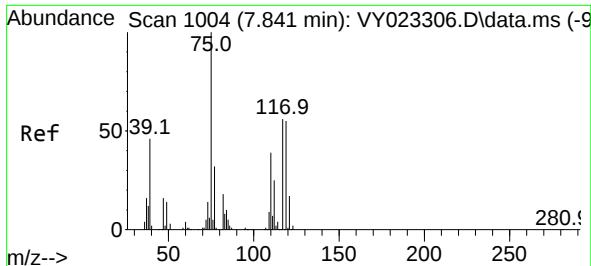
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 21.5 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.042 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023348.D

Acq: 11 Sep 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

WC-30

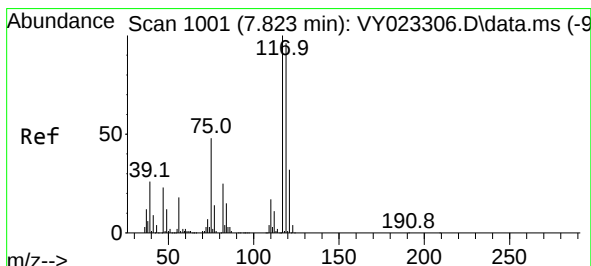
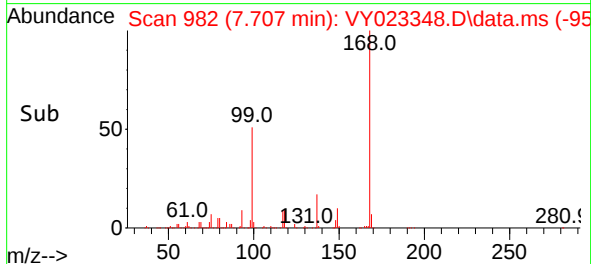
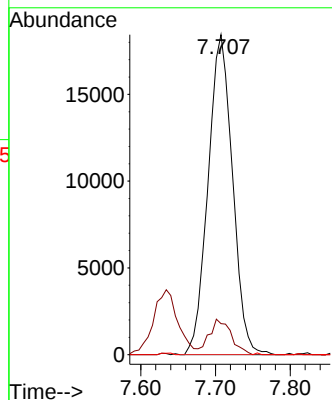
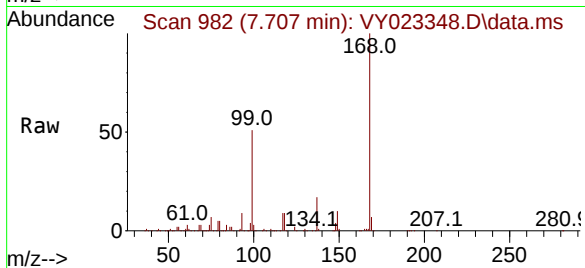
Tgt Ion: 75 Resp: 41899

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.874 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023348.D

Acq: 11 Sep 2025 15:02

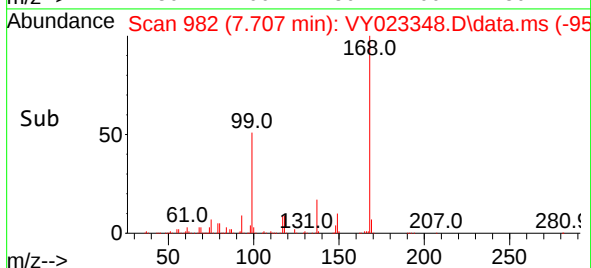
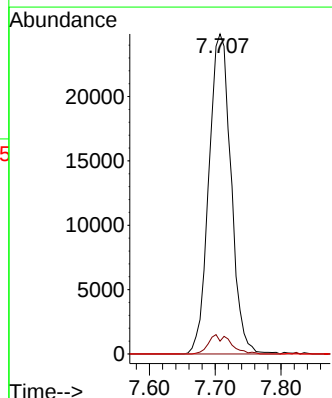
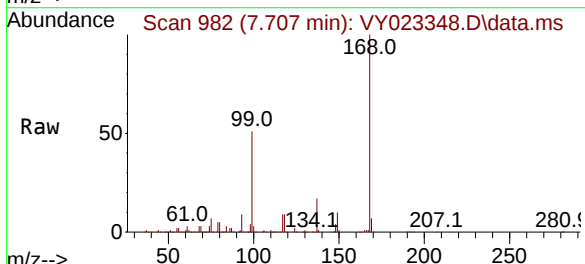
Tgt Ion: 117 Resp: 58142

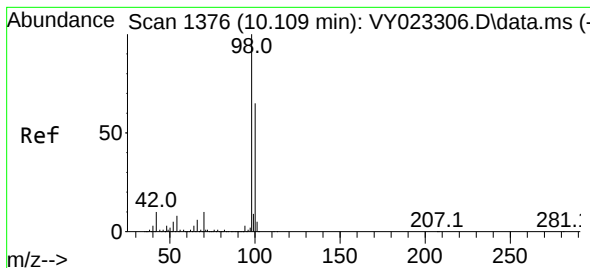
Ion Ratio Lower Upper

117 100

119 4.0 75.6 113.4#

121 0.0 25.8 38.8#

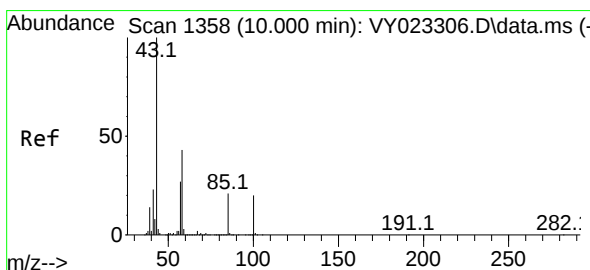
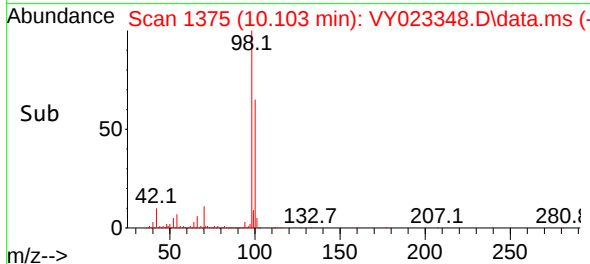
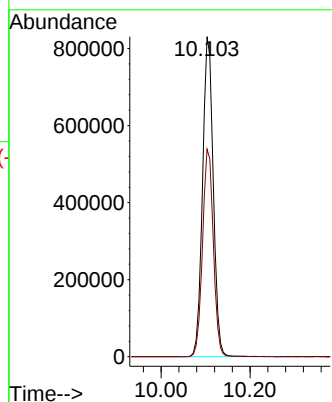
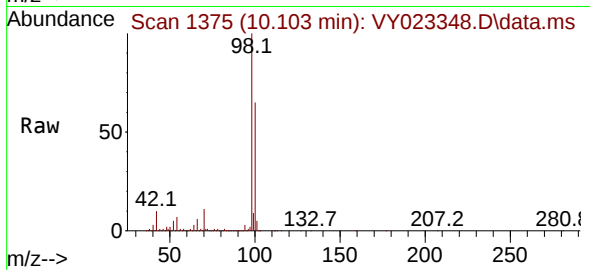




#50
Toluene-d8
Concen: 50.814 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

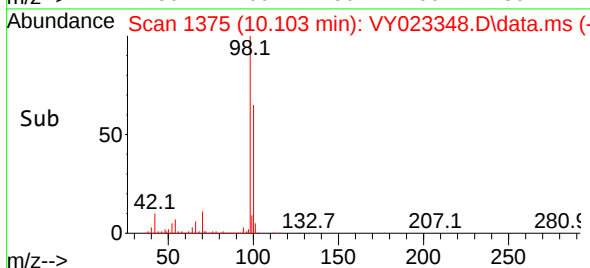
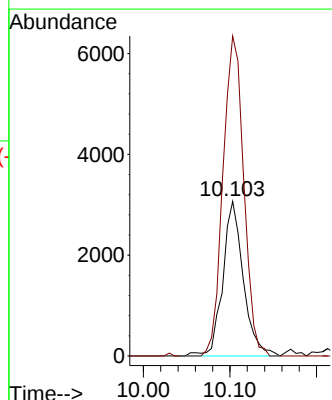
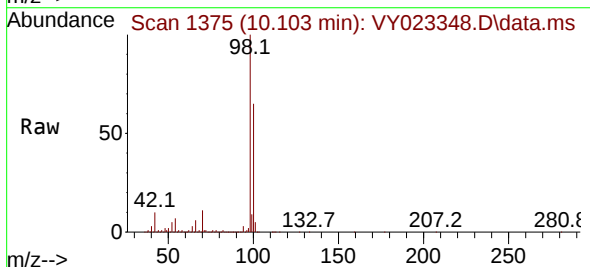
Instrument :
MSVOA_Y
ClientSampleId :
WC-30

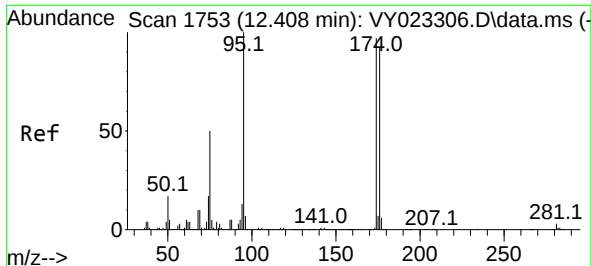
Tgt Ion: 98 Resp: 1396578
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.234 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

Tgt Ion: 43 Resp: 5063
Ion Ratio Lower Upper
43 100
58 208.8 33.5 50.3#

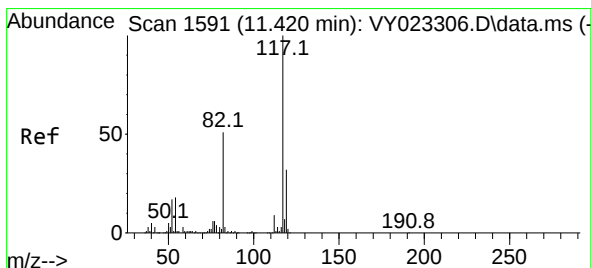
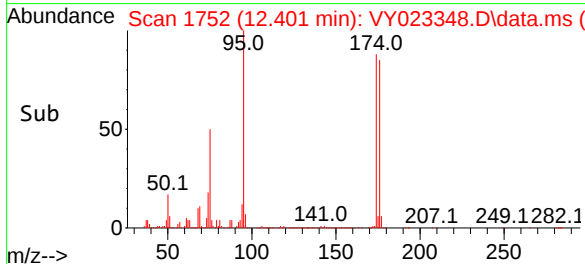
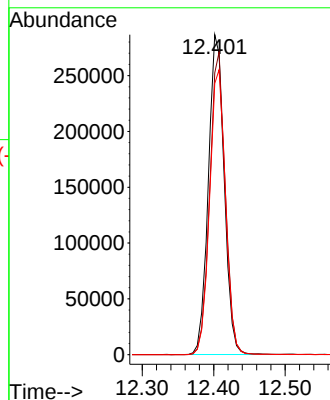
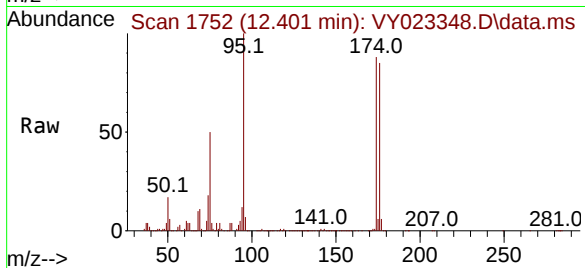




#62
4-Bromofluorobenzene
Concen: 51.017 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

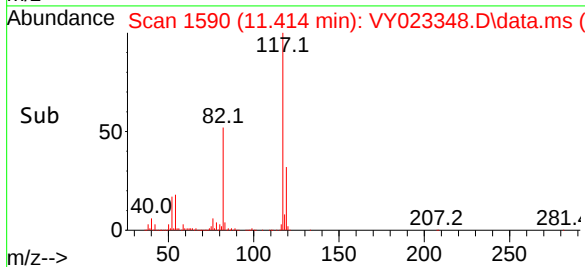
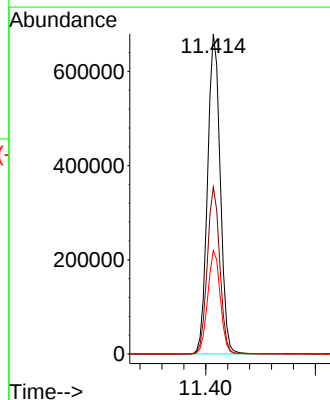
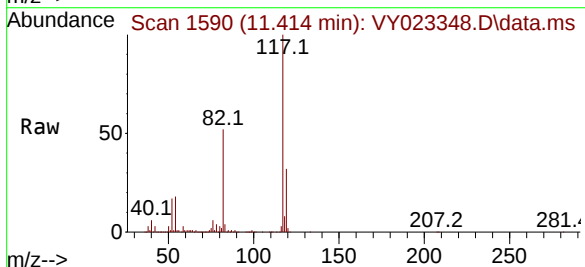
Instrument :
MSVOA_Y
ClientSampleId :
WC-30

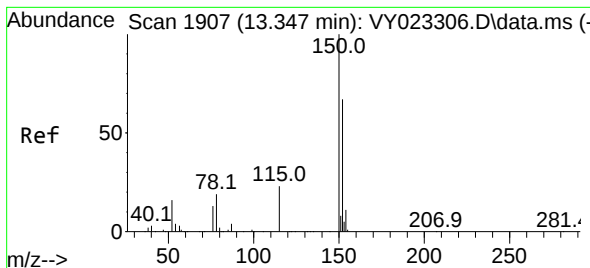
Tgt Ion: 95 Resp: 441259
Ion Ratio Lower Upper
95 100
174 93.1 0.0 171.6
176 89.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

Tgt Ion: 117 Resp: 1086647
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 32.3 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: VY023348.D

Acq: 11 Sep 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

WC-30

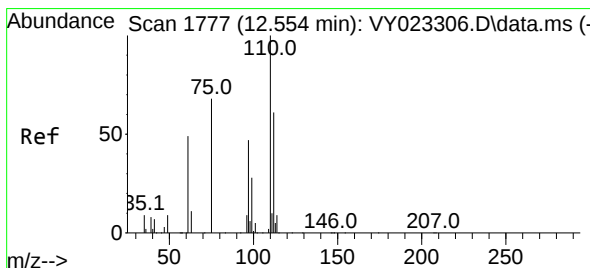
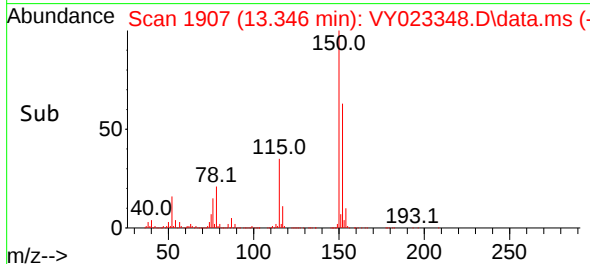
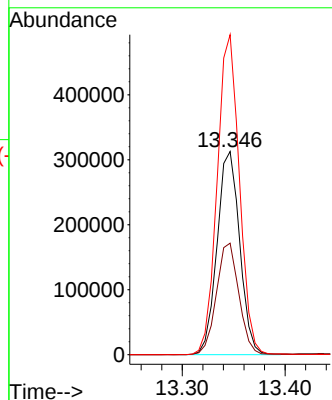
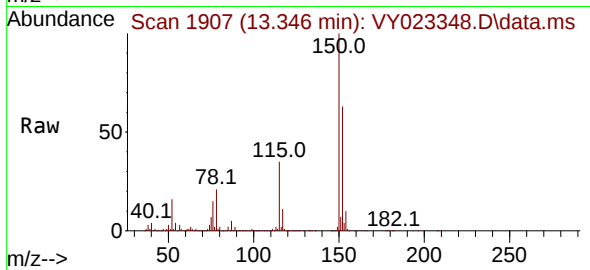
Tgt Ion:152 Resp: 477144

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.6

150 154.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 44.834 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023348.D

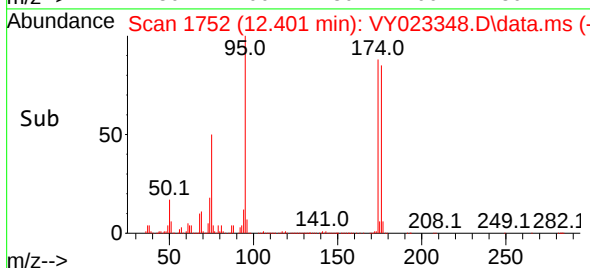
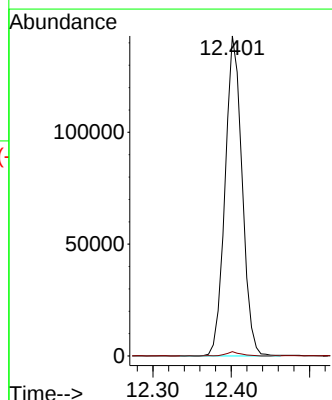
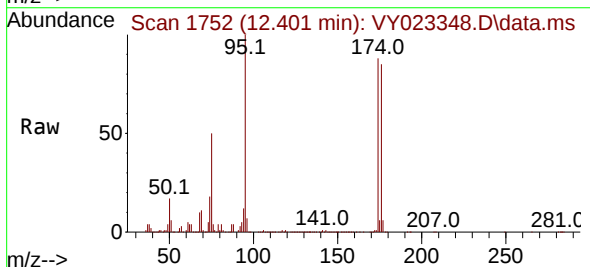
Acq: 11 Sep 2025 15:02

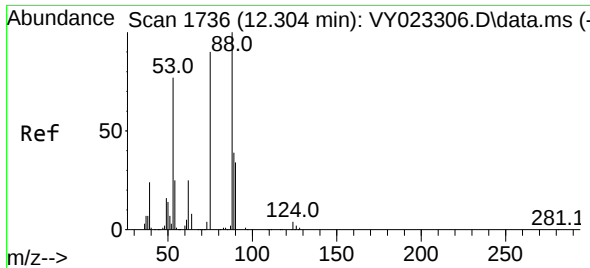
Tgt Ion: 75 Resp: 216638

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.267 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023348.D
Acq: 11 Sep 2025 15:02

Instrument :
MSVOA_Y
ClientSampleId :
WC-30

Tgt Ion: 75 Resp: 216638
Ion Ratio Lower Upper
75 100
53 0.3 70.8 106.2#
89 0.0 38.1 57.1#

