

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023359.D
 Acq On : 12 Sep 2025 11:09
 Operator : SY/MD
 Sample : Q3075-08
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0260RE

Quant Time: Sep 12 23:59:57 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)

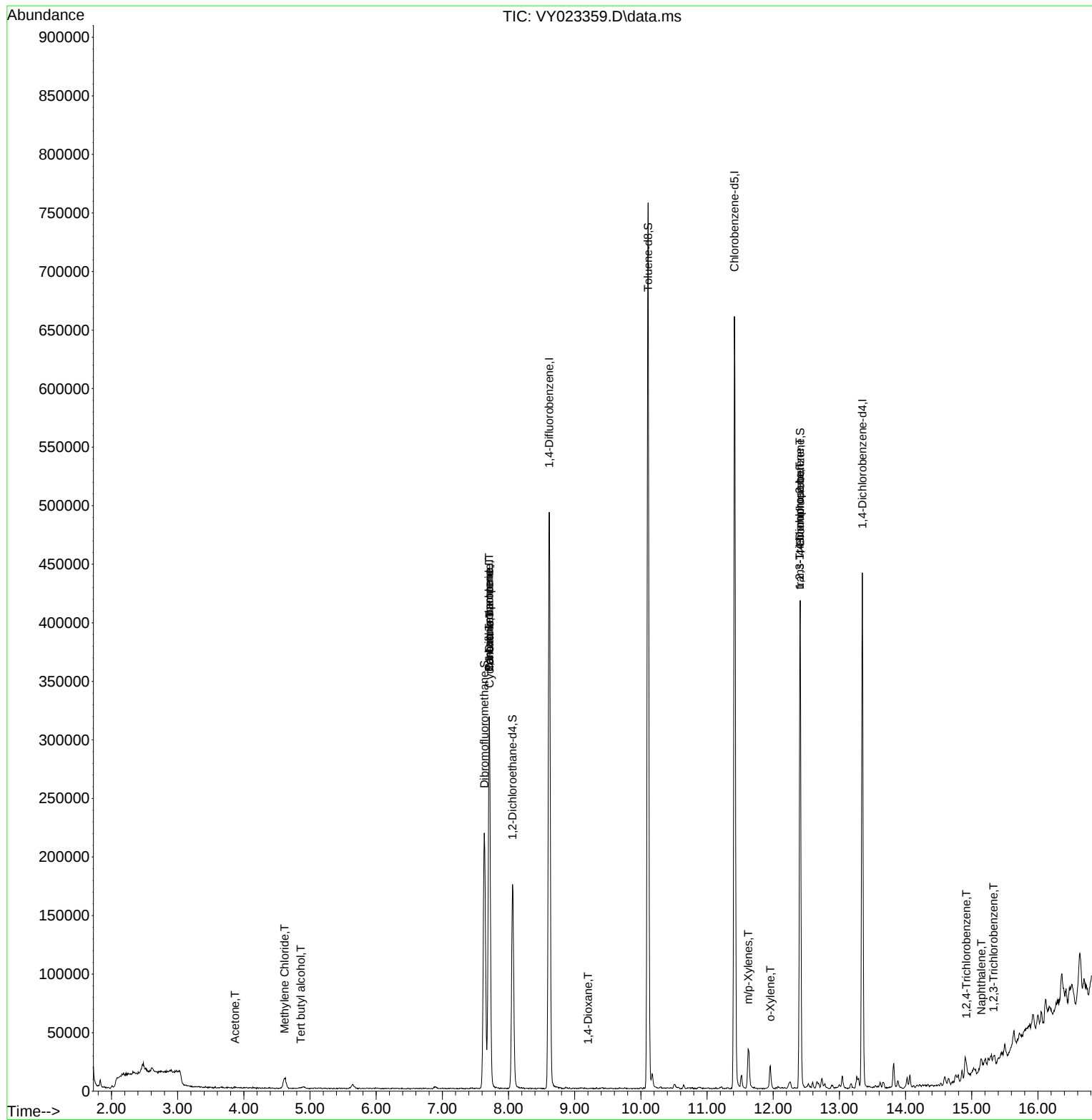
Internal Standards						
1) Pentafluorobenzene	7.707	168	258984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	371859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	114636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139530	61.312	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.620%			
35) Dibromofluoromethane	7.634	113	158927	57.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.060%			
50) Toluene-d8	10.109	98	512176	48.675	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.360%			
62) 4-Bromofluorobenzene	12.408	95	126524	38.209	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	270	2.053	ug/l #	71
16) Acetone	3.866	43	1225	2.363	ug/l #	80
20) Methylene Chloride	4.616	84	6755	2.436	ug/l	89
31) Cyclohexane	7.713	56	5052	1.269	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17568	4.426	ug/l #	49
38) Carbon Tetrachloride	7.707	117	24845	5.440	ug/l #	17
49) 1,4-Dioxane	9.201	88	55	3.193	ug/l #	24
68) m/p-Xylenes	11.621	106	11268	2.114	ug/l	93
69) o-Xylene	11.956	106	5024	1.018	ug/l	99
76) 1,2,3-Trichloropropane	12.402	75	62256	53.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	62256	146.246	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.919	180	2573	1.296	ug/l	96
95) Naphthalene	15.145	128	10317	3.233	ug/l	96
96) 1,2,3-Trichlorobenzene	15.328	180	3481	2.019	ug/l #	78

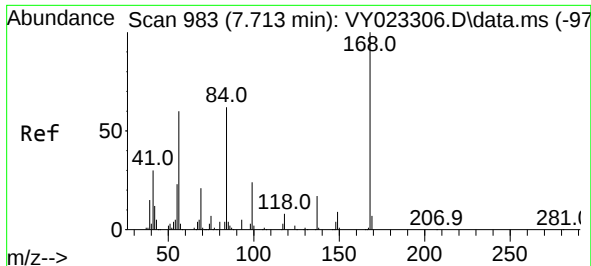
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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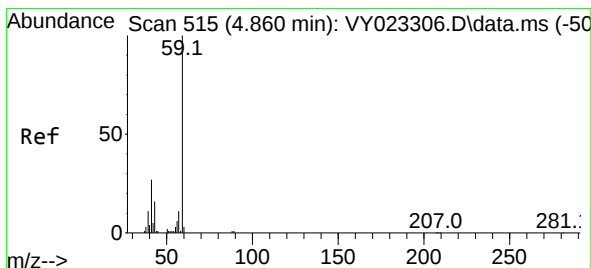
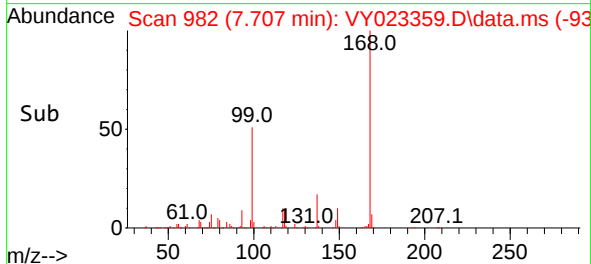
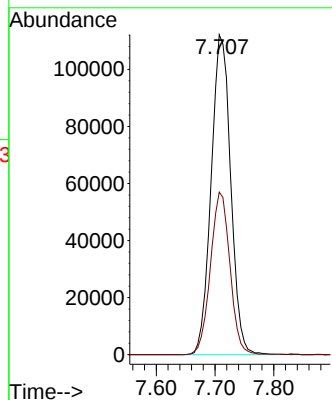
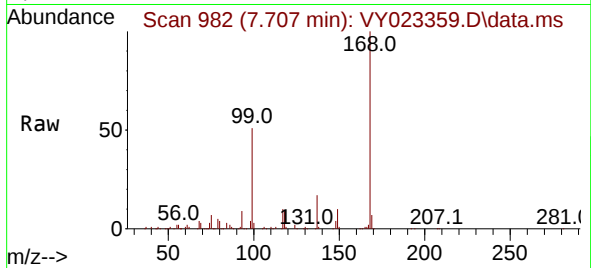




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

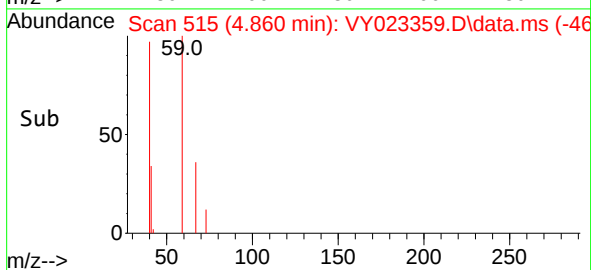
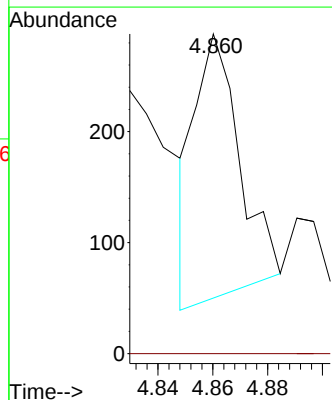
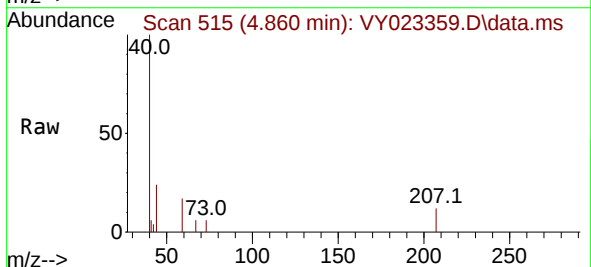
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260RE

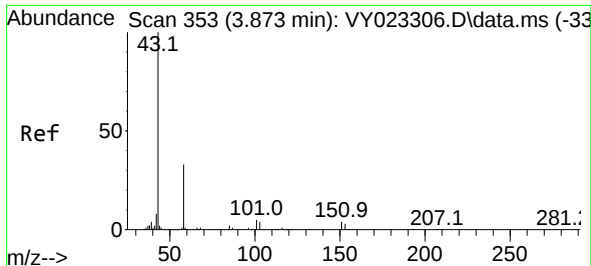
Tgt Ion:168 Resp: 258984
Ion Ratio Lower Upper
168 100
99 50.8 42.8 64.2



#11
Tert butyl alcohol
Concen: 2.053 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

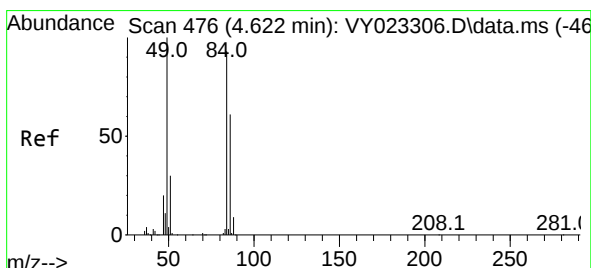
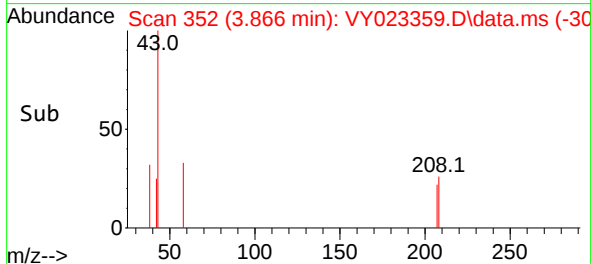
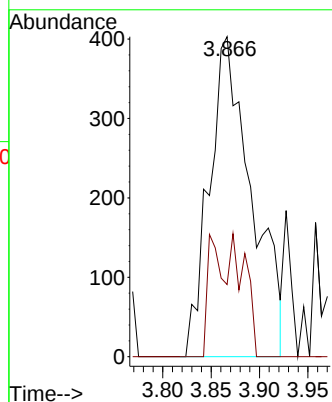
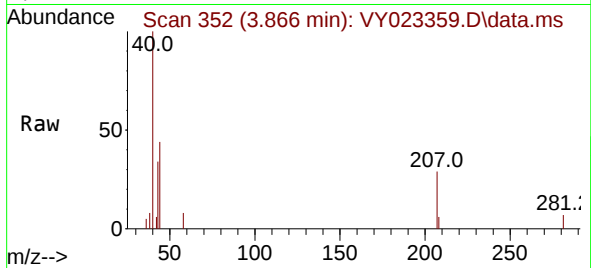




#16
Acetone
Concen: 2.363 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

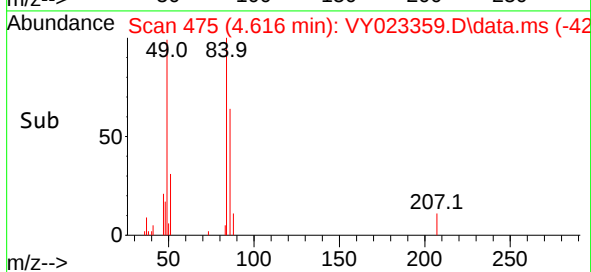
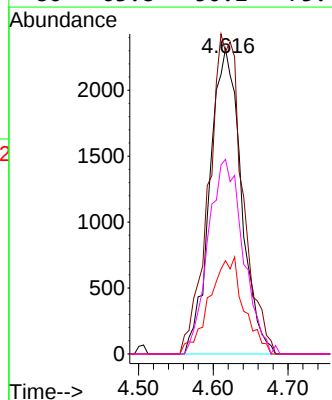
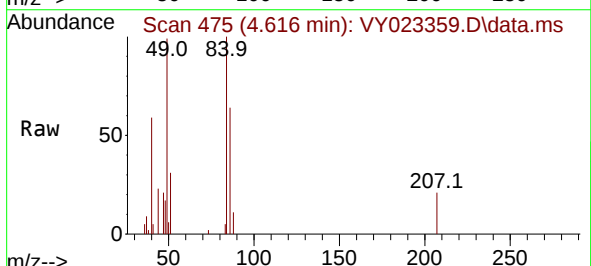
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260RE

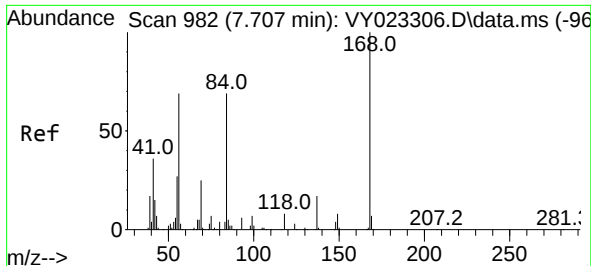
Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
58 22.6 27.1 40.7#



#20
Methylene Chloride
Concen: 2.436 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

Tgt Ion: 84 Resp: 6755
Ion Ratio Lower Upper
84 100
49 99.0 93.0 139.6
51 30.5 29.0 43.4
86 63.8 50.2 75.4

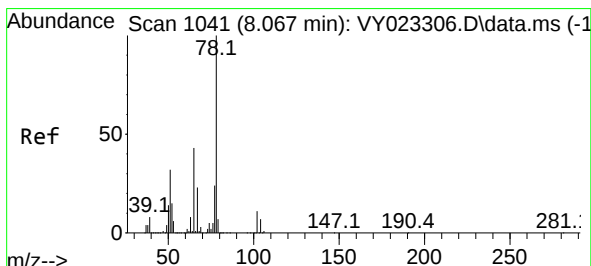
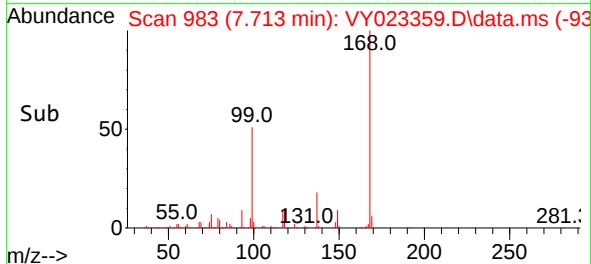
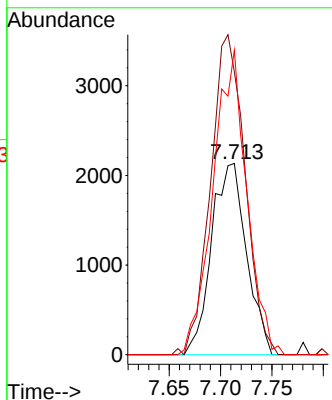
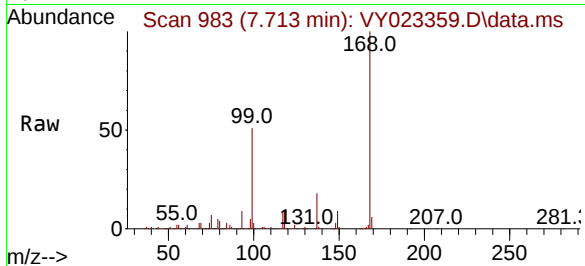




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

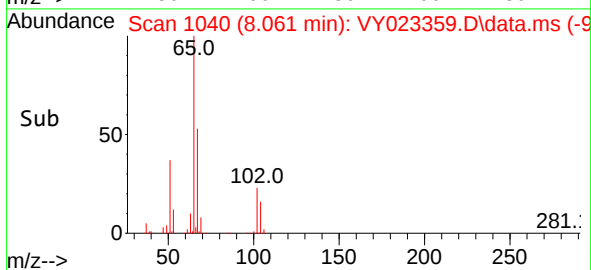
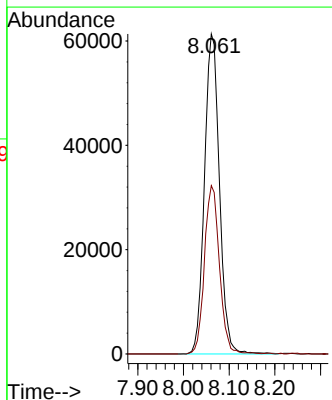
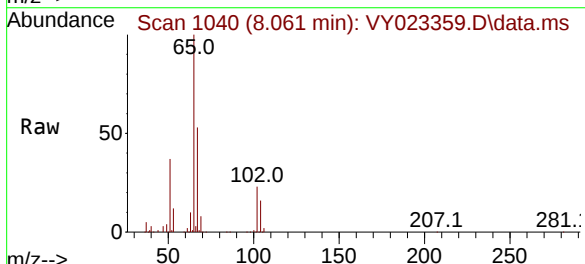
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260RE

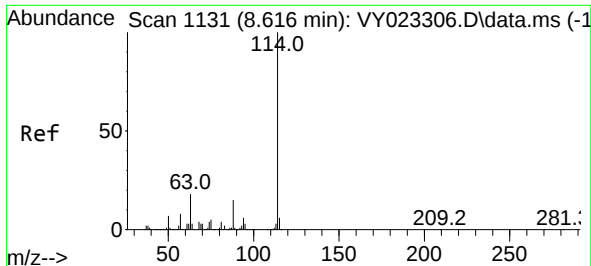
Tgt Ion: 56 Resp: 5052
Ion Ratio Lower Upper
56 100
69 147.8 28.2 42.2#
84 159.2 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 61.312 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

Tgt Ion: 65 Resp: 139530
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8

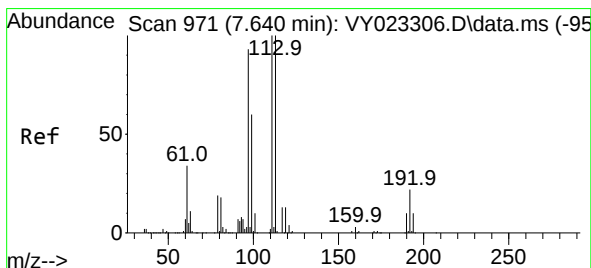
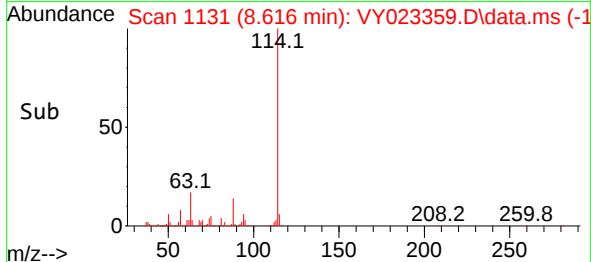
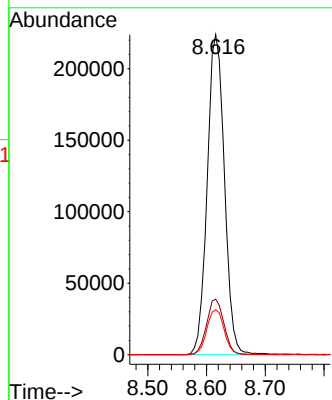
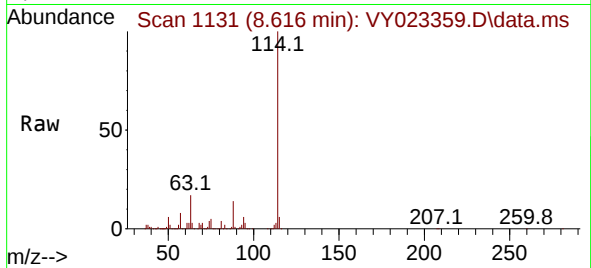




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

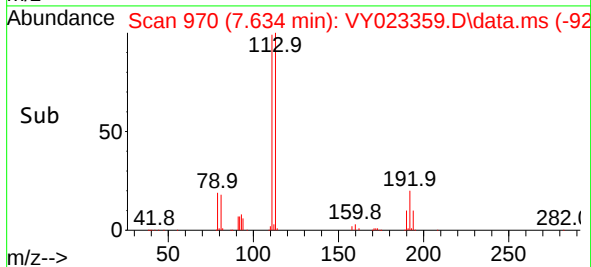
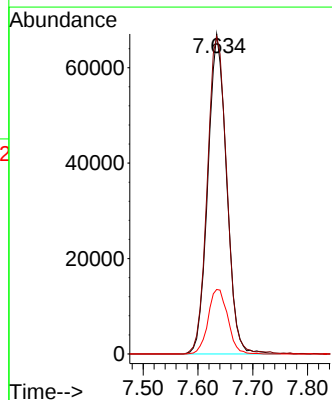
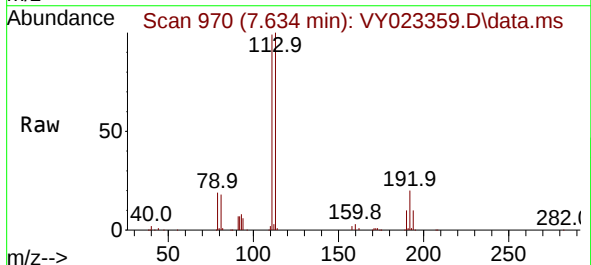
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260RE

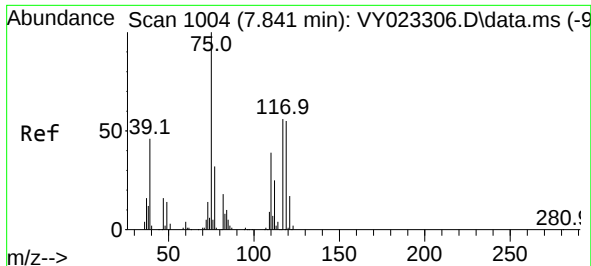
Tgt Ion:114 Resp: 455874
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.4
88 14.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 57.033 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

Tgt Ion:113 Resp: 158927
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 21.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.426 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023359.D

Acq: 12 Sep 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260RE

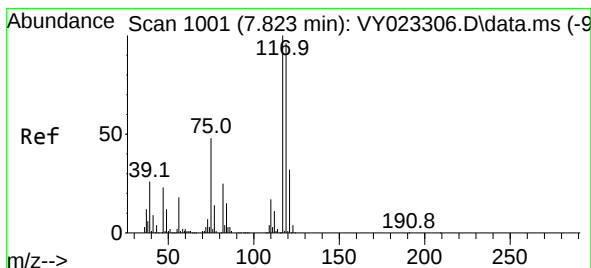
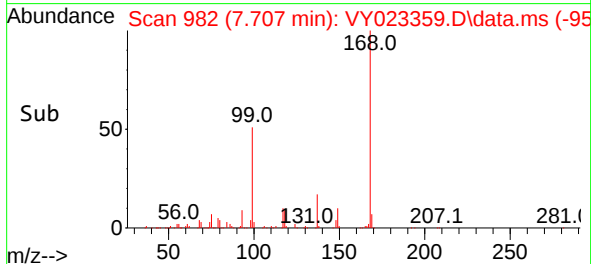
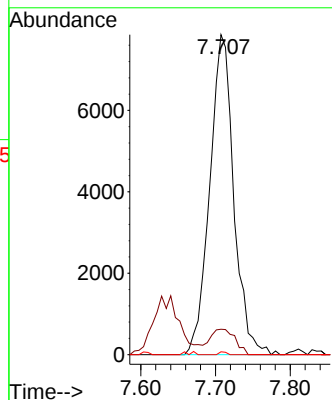
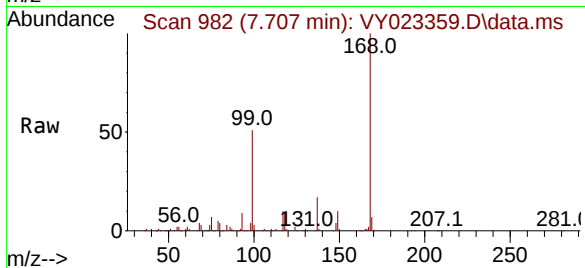
Tgt Ion: 75 Resp: 17568

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.4#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023359.D

Acq: 12 Sep 2025 11:09

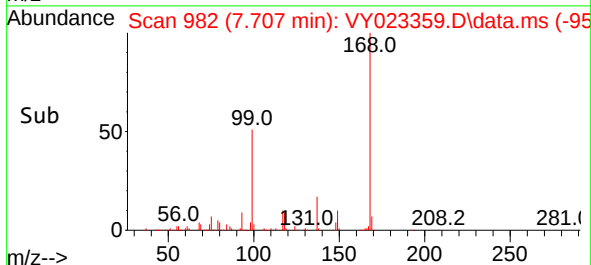
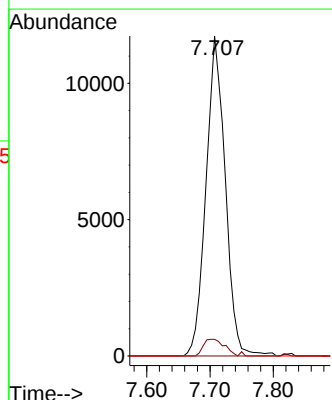
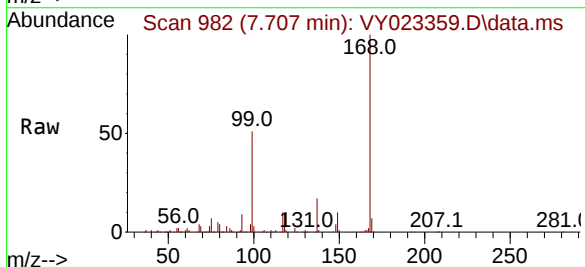
Tgt Ion: 117 Resp: 24845

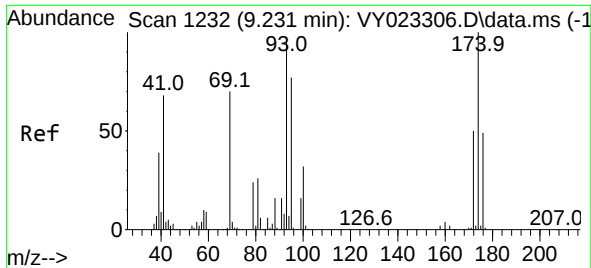
Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 25.8 38.8#

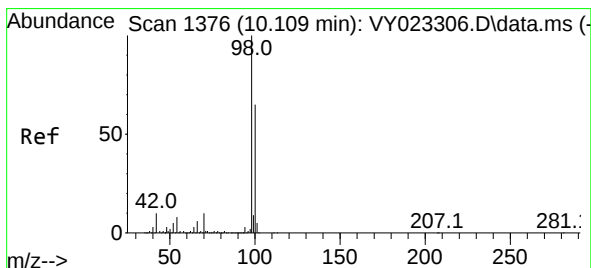
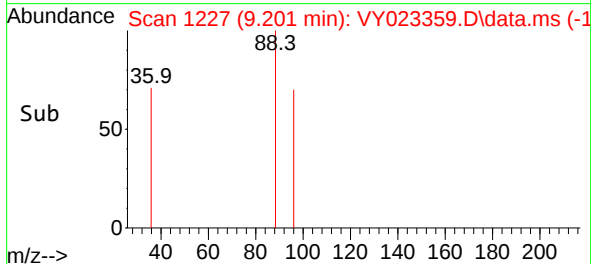
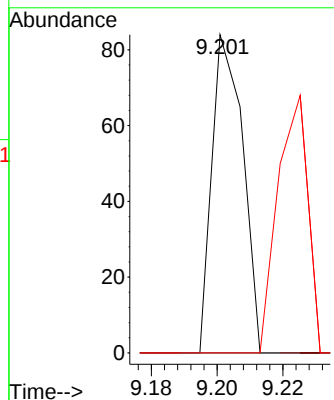
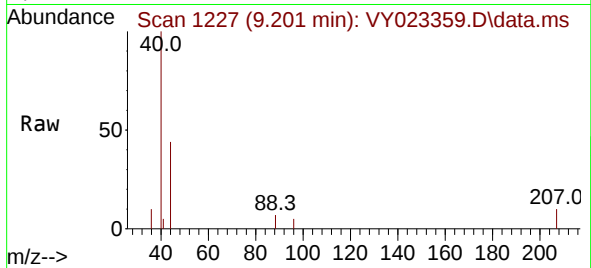




#49
1,4-Dioxane
Concen: 3.193 ug/l
RT: 9.201 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

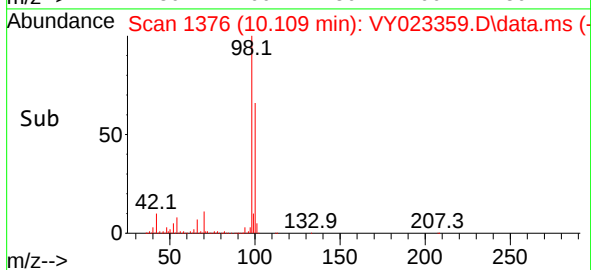
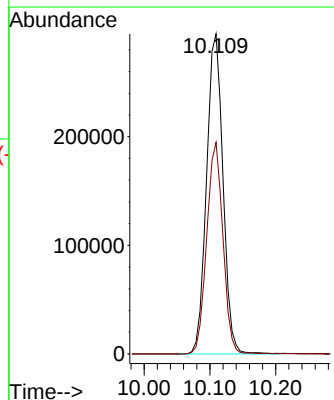
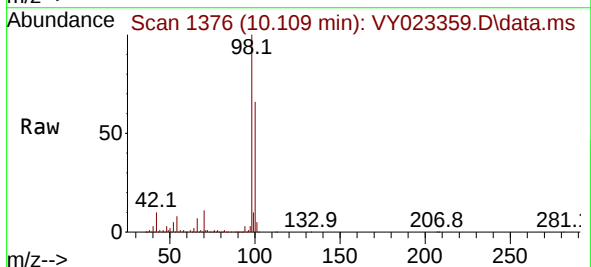
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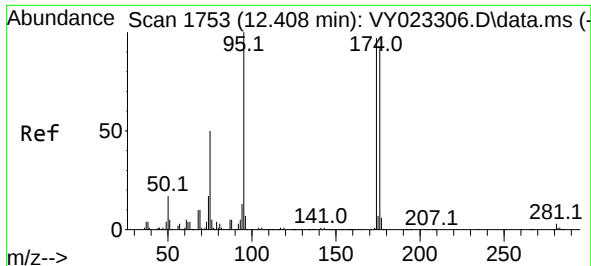
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 24.3 36.5#
58 0.0 55.4 83.0#



#50
Toluene-d8
Concen: 48.675 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

Tgt Ion: 98 Resp: 512176
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

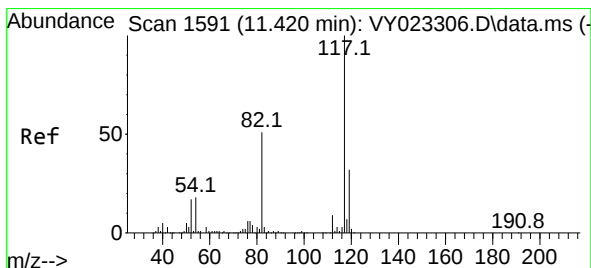
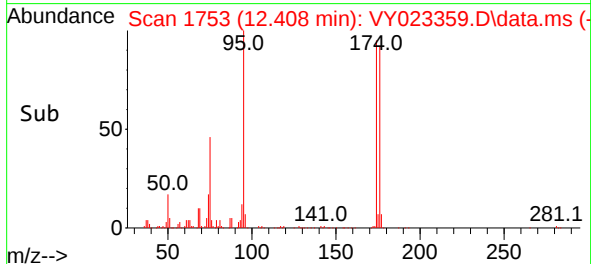
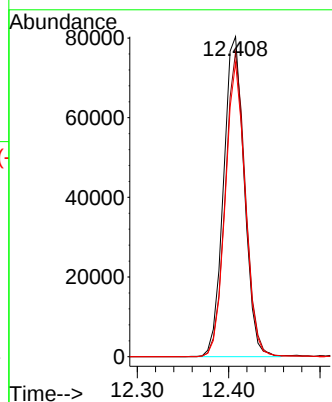
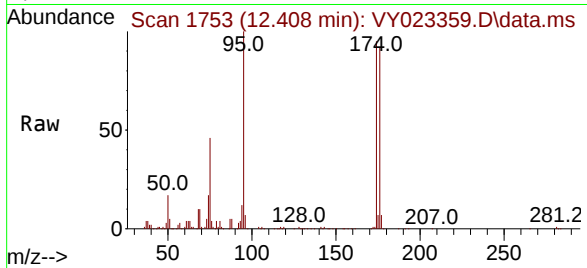




#62
4-Bromofluorobenzene
Concen: 38.209 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

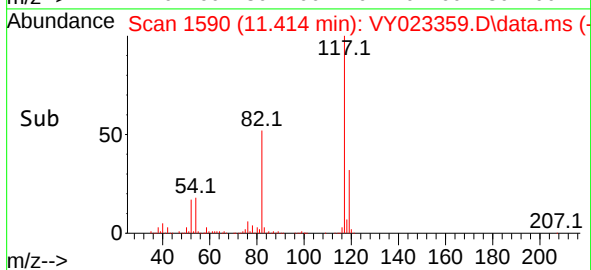
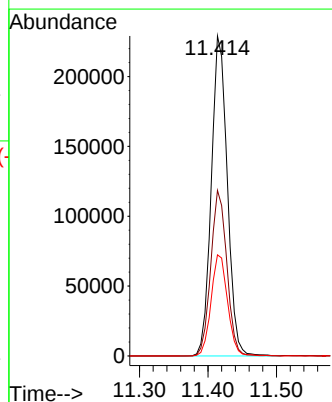
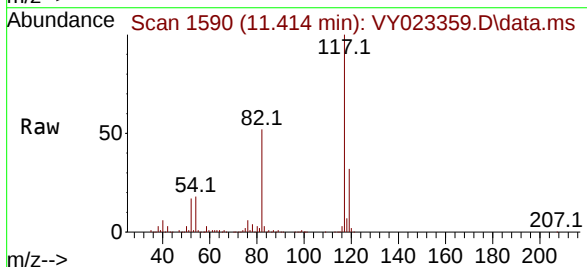
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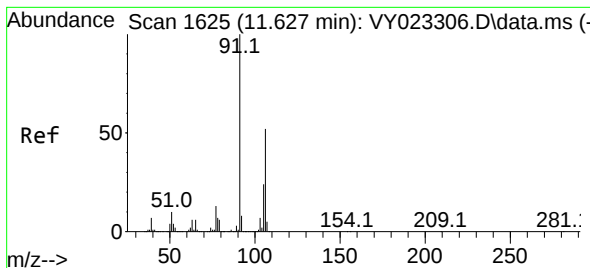
Tgt Ion: 95 Resp: 126524
Ion Ratio Lower Upper
95 100
174 92.9 0.0 171.6
176 88.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023359.D
Acq: 12 Sep 2025 11:09

Tgt Ion: 117 Resp: 371859
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.6 25.6 38.4





#68

m/p-Xylenes

Concen: 2.114 ug/l

RT: 11.621 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023359.D

Acq: 12 Sep 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

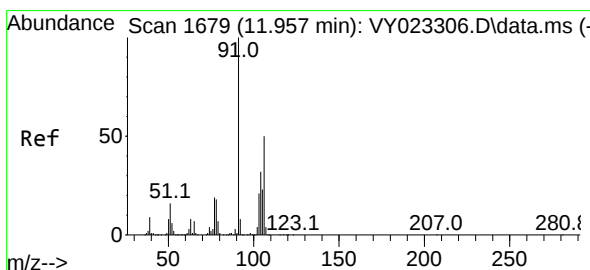
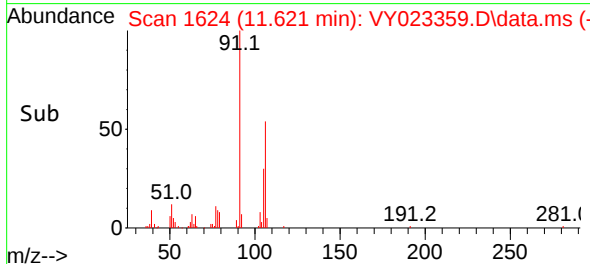
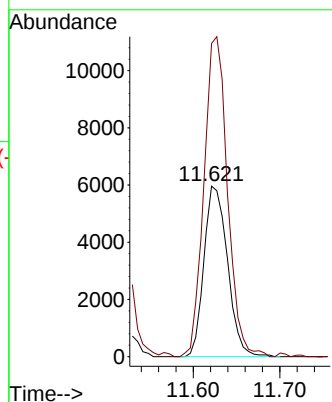
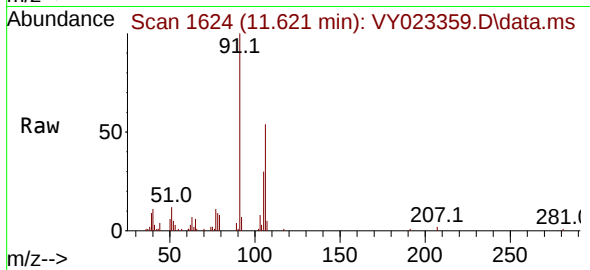
MOO-25-0260RE

Tgt Ion:106 Resp: 11268

Ion Ratio Lower Upper

106 100

91 187.4 158.6 238.0



#69

o-Xylene

Concen: 1.018 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY023359.D

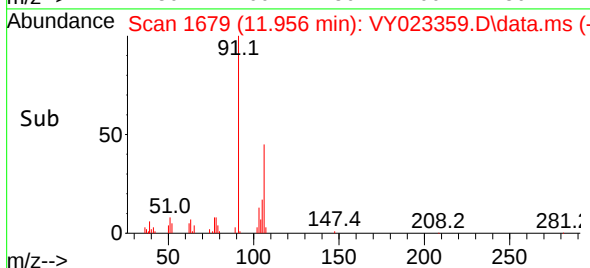
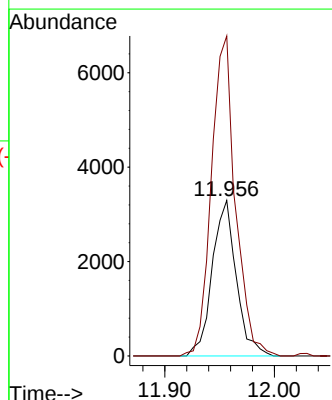
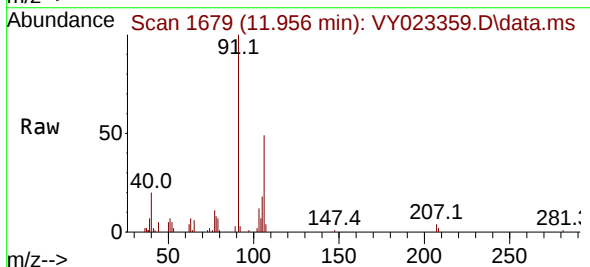
Acq: 12 Sep 2025 11:09

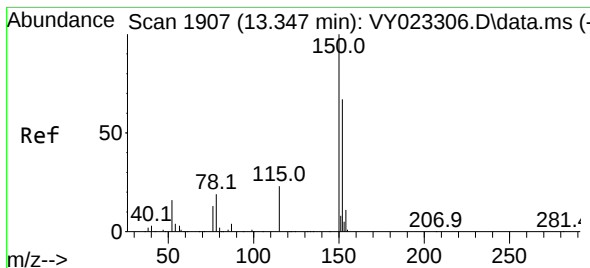
Tgt Ion:106 Resp: 5024

Ion Ratio Lower Upper

106 100

91 205.1 103.2 309.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023359.D

Acq: 12 Sep 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260RE

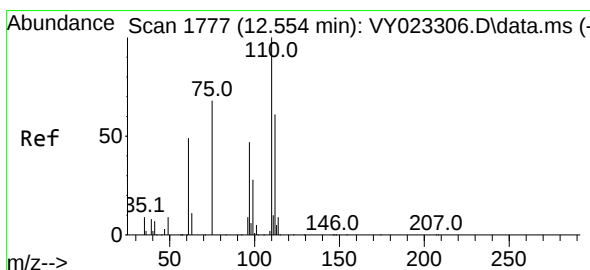
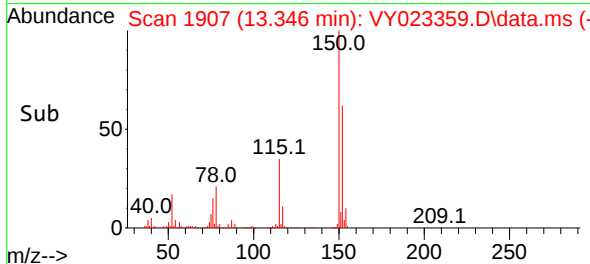
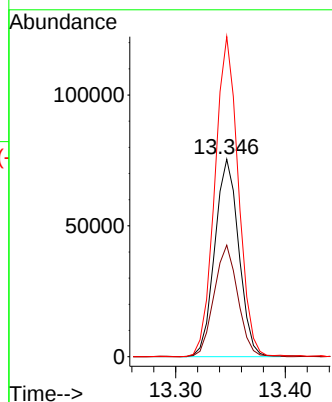
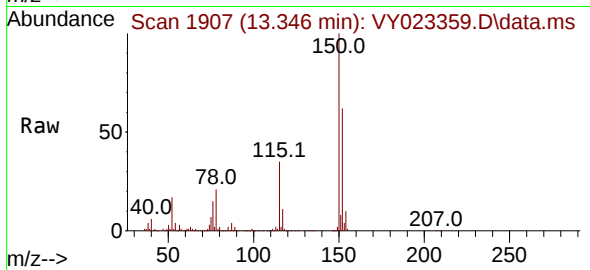
Tgt Ion:152 Resp: 114636

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 159.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 53.627 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023359.D

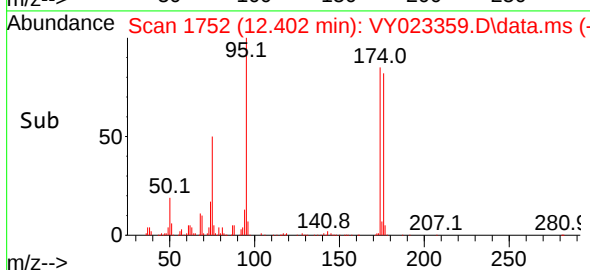
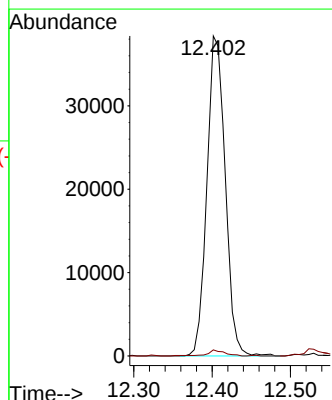
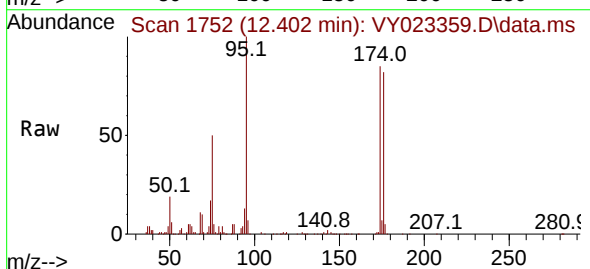
Acq: 12 Sep 2025 11:09

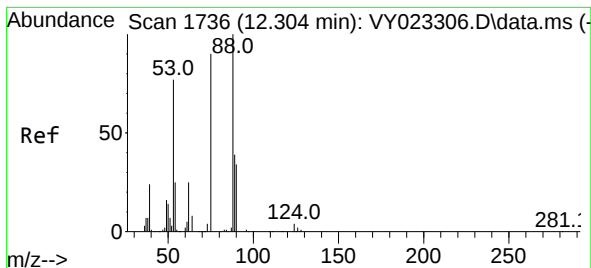
Tgt Ion: 75 Resp: 62256

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

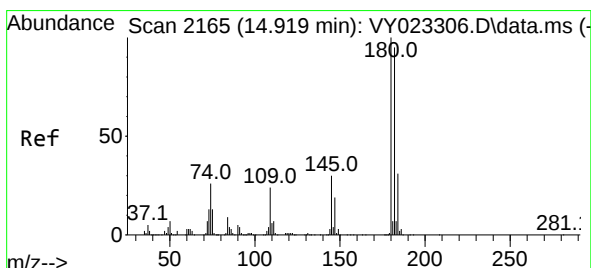
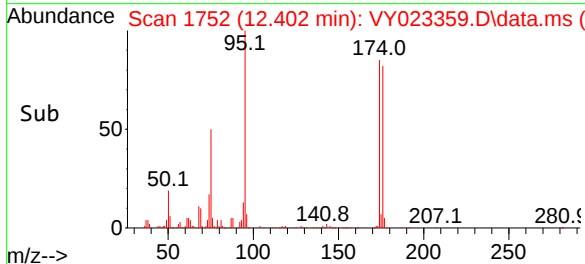
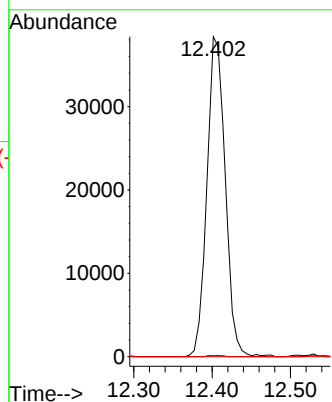
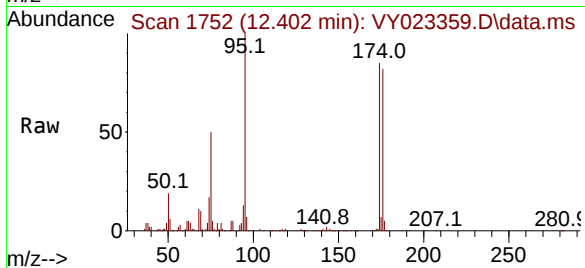




#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.246 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023359.D
 Acq: 12 Sep 2025 11:09

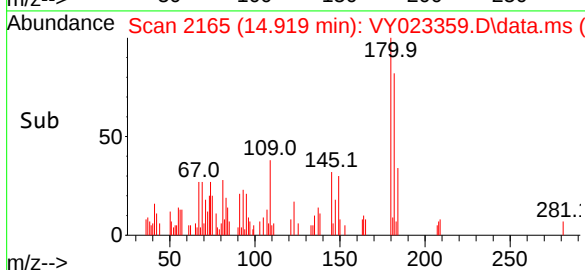
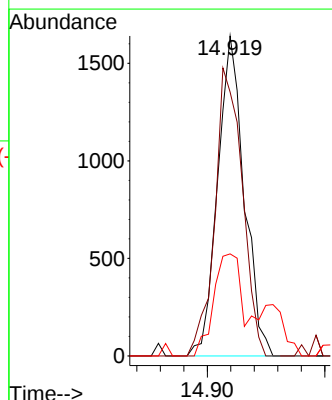
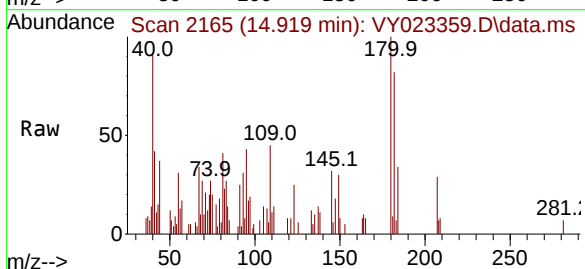
Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0260RE

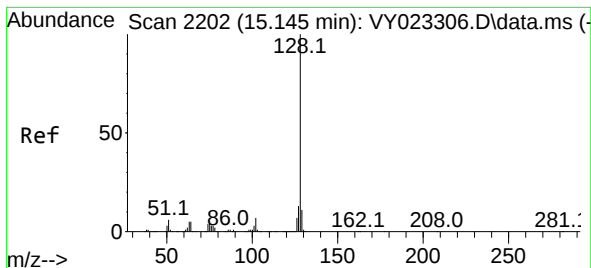
Tgt Ion: 75 Resp: 62256
 Ion Ratio Lower Upper
 75 100
 53 0.3 70.8 106.2#
 89 0.0 38.1 57.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.296 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.006 min
 Lab File: VY023359.D
 Acq: 12 Sep 2025 11:09

Tgt Ion:180 Resp: 2573
 Ion Ratio Lower Upper
 180 100
 182 93.1 46.8 140.4
 145 37.8 14.4 43.4





#95

Naphthalene

Concen: 3.233 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY023359.D

Acq: 12 Sep 2025 11:09

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260RE

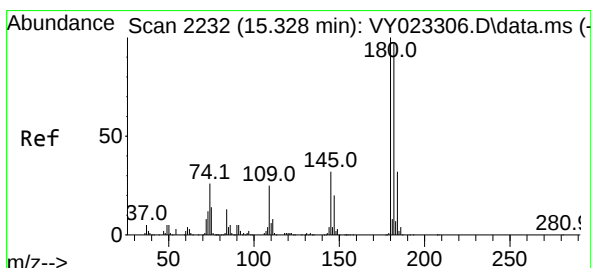
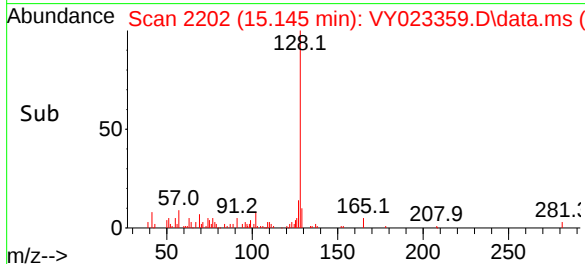
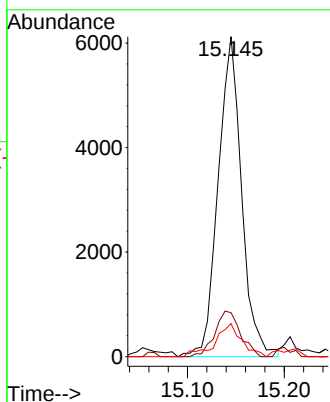
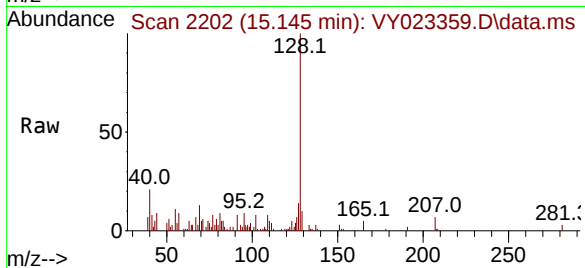
Tgt Ion:128 Resp: 10317

Ion Ratio Lower Upper

128 100

127 15.5 10.4 15.6

129 11.5 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 2.019 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023359.D

Acq: 12 Sep 2025 11:09

Tgt Ion:180 Resp: 3481

Ion Ratio Lower Upper

180 100

182 77.6 47.9 143.7

145 49.4 15.9 47.7#

