

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023343.D
 Acq On : 11 Sep 2025 12:34
 Operator : SY/MD
 Sample : Q3075-08
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0260

Quant Time: Sep 12 01:26:03 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)

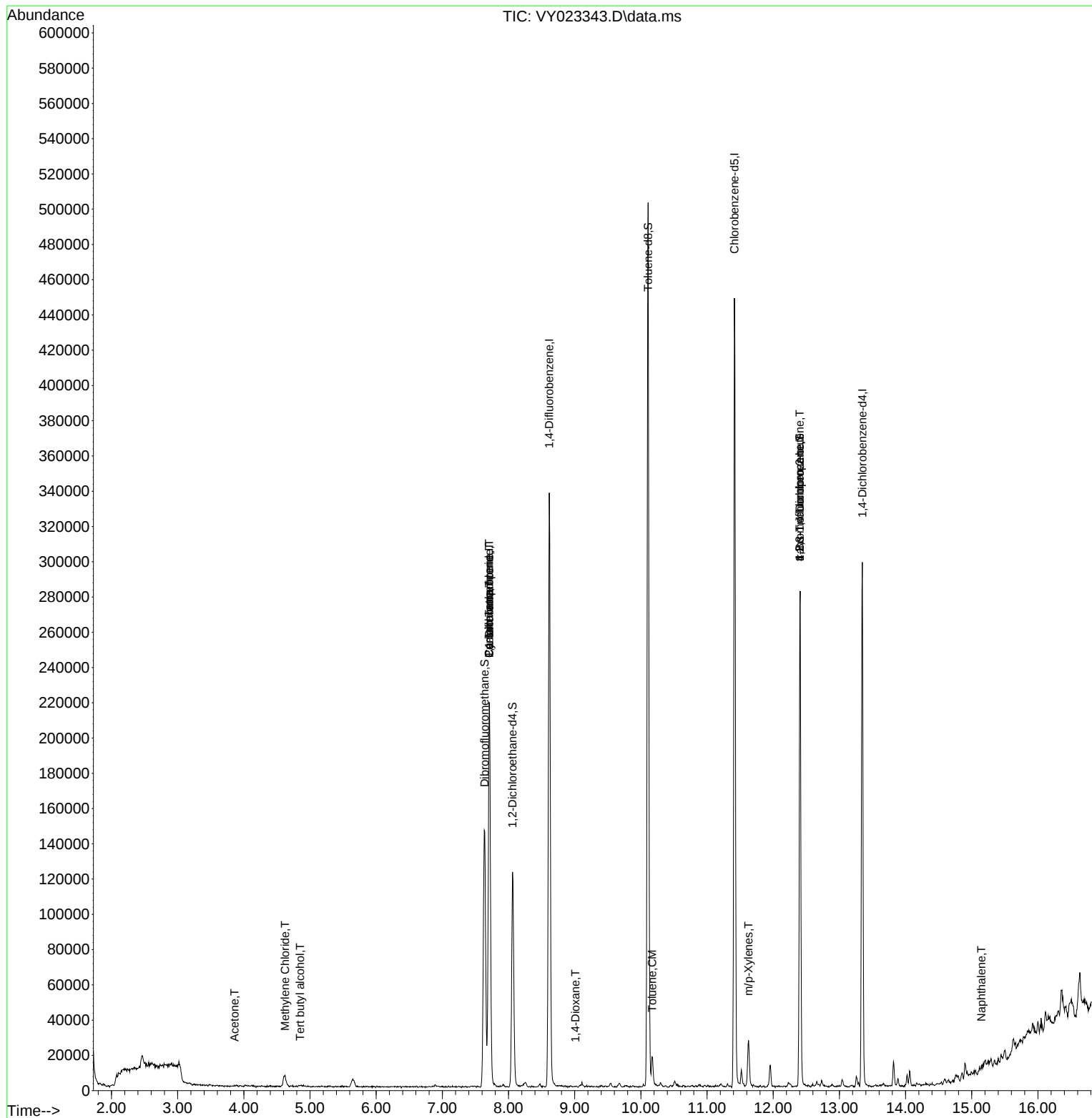
Internal Standards						
1) Pentafluorobenzene	7.707	168	176440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	296569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	94072	60.676	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.360%	
35) Dibromofluoromethane	7.640	113	107832	59.483	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.960%	
50) Toluene-d8	10.109	98	343582	50.192	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	12.402	95	84724	39.330	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	588	6.564	ug/l #	86
16) Acetone	3.860	43	1144	3.239	ug/l #	41
20) Methylene Chloride	4.622	84	5465	2.892	ug/l #	81
31) Cyclohexane	7.707	56	3705	1.366	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	12855	4.979	ug/l #	51
38) Carbon Tetrachloride	7.707	117	16765	5.643	ug/l #	17
49) 1,4-Dioxane	9.012	88	62	5.533	ug/l #	24
52) Toluene	10.170	92	6680	1.312	ug/l	98
68) m/p-Xylenes	11.627	106	8088	2.236	ug/l	94
76) 1,2,3-Trichloropropane	12.402	75	42720	51.123	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	42720	139.416	ug/l #	14
95) Naphthalene	15.145	128	2839	1.236	ug/l	98

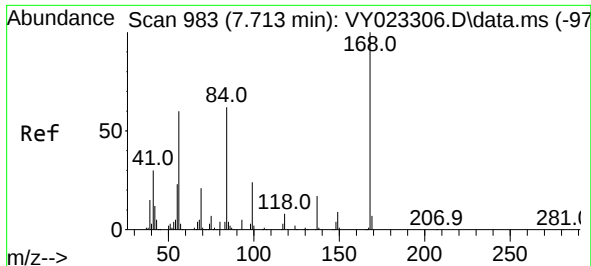
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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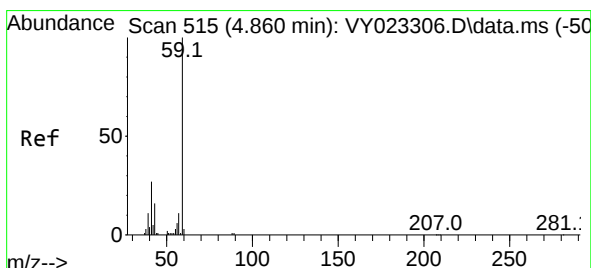
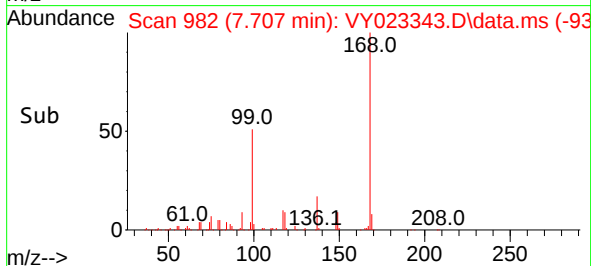
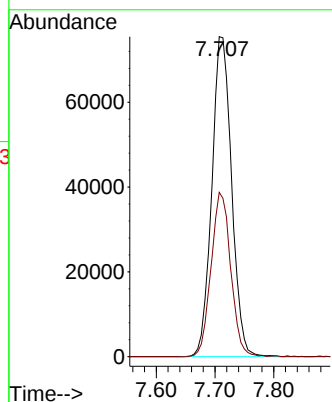
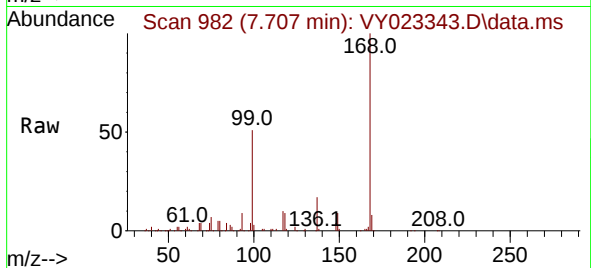




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

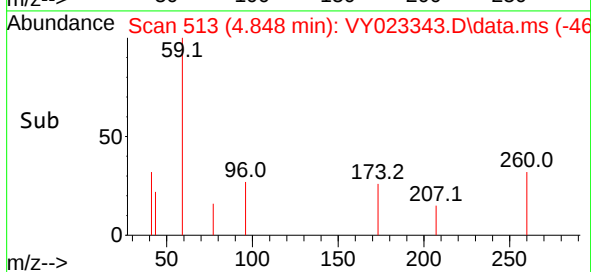
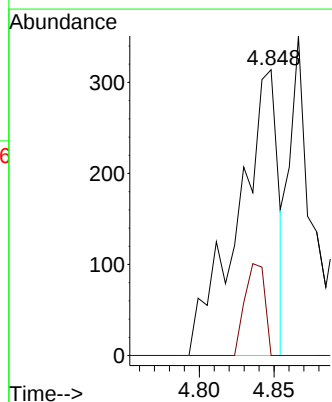
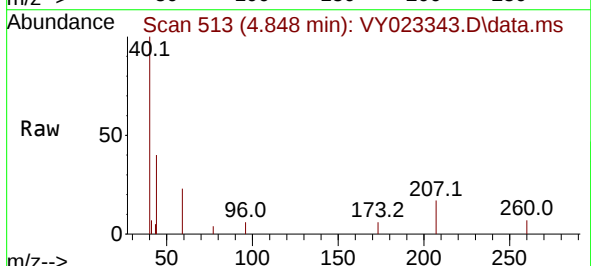
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260

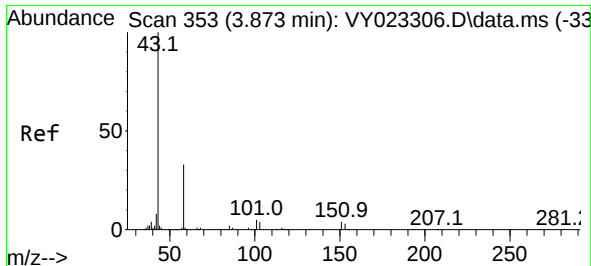
Tgt Ion:168 Resp: 176440
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 6.564 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

Tgt Ion: 59 Resp: 588
Ion Ratio Lower Upper
59 100
57 16.0 8.6 13.0#

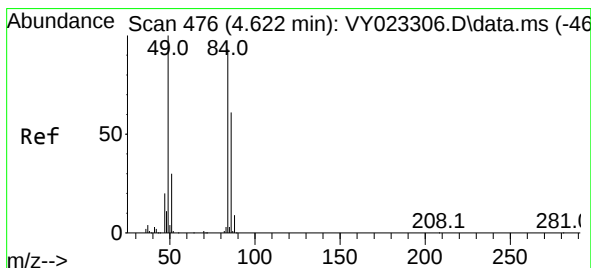
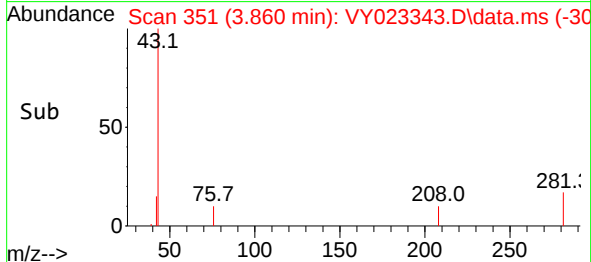
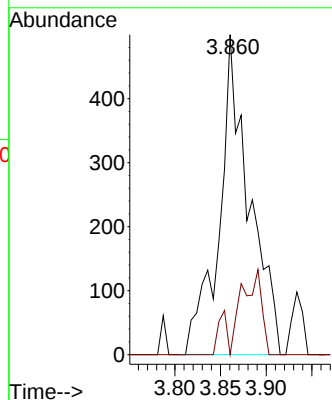
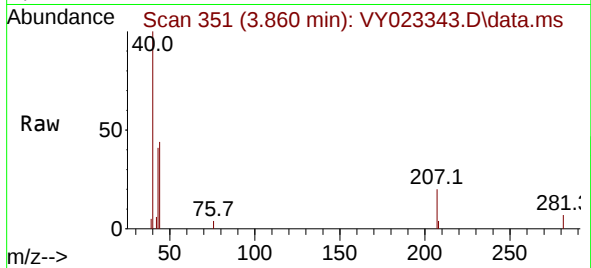




#16
Acetone
Concen: 3.239 ug/l
RT: 3.860 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

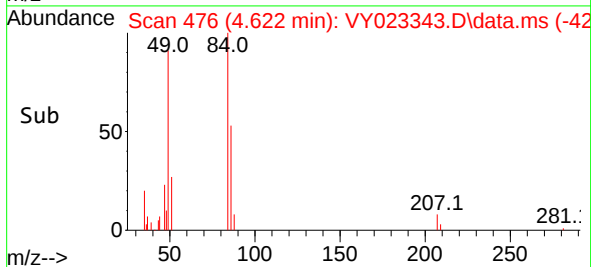
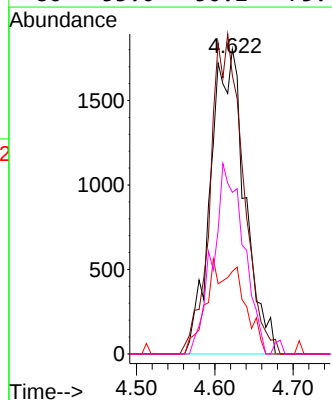
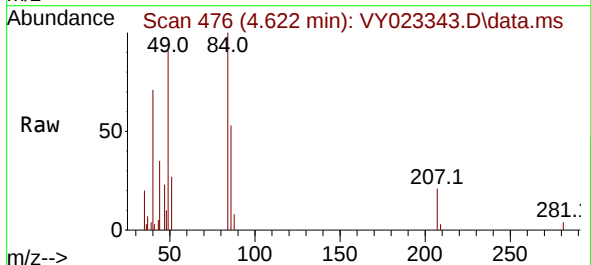
Instrument :
MSVOA_Y
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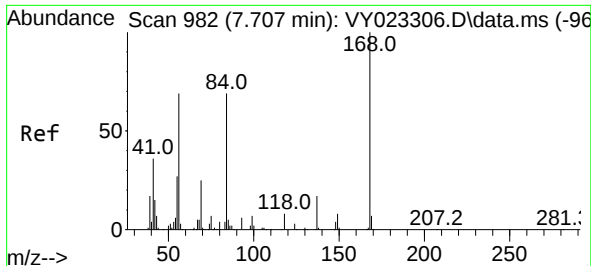
Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#



#20
Methylene Chloride
Concen: 2.892 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

Tgt Ion: 84 Resp: 5465
Ion Ratio Lower Upper
84 100
49 91.4 93.0 139.6#
51 27.1 29.0 43.4#
86 53.0 50.2 75.4

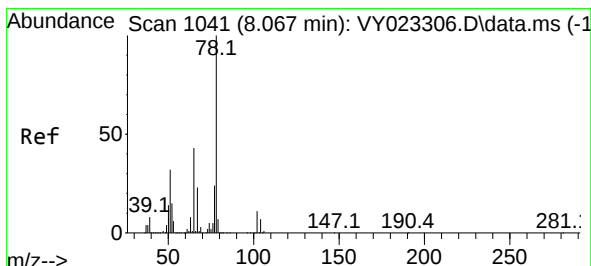
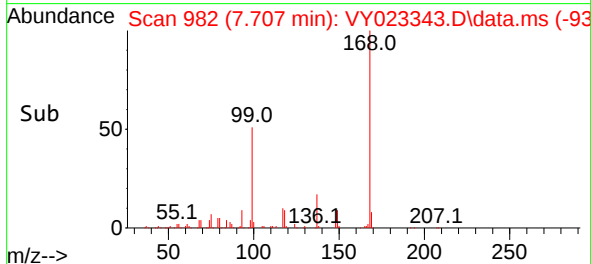
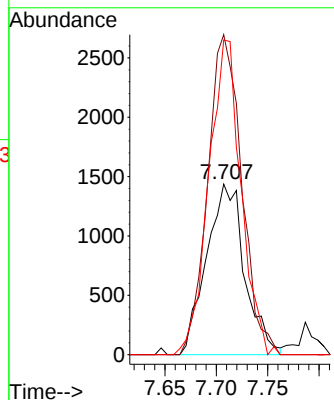
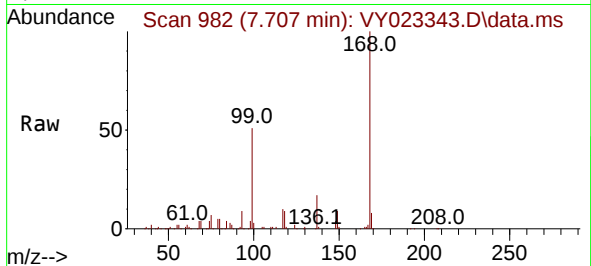




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

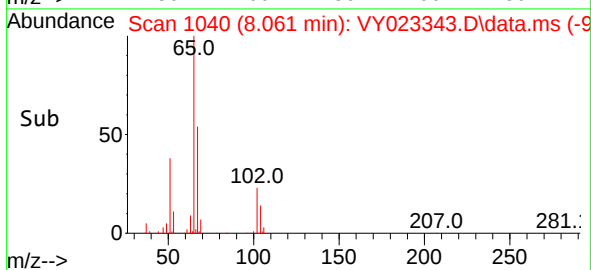
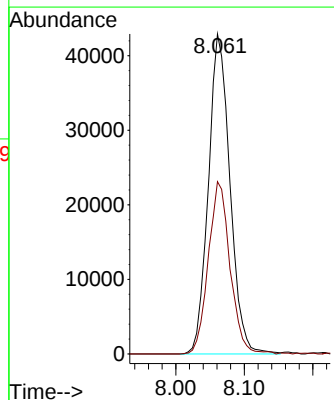
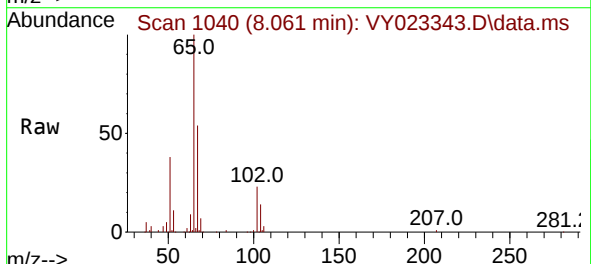
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260

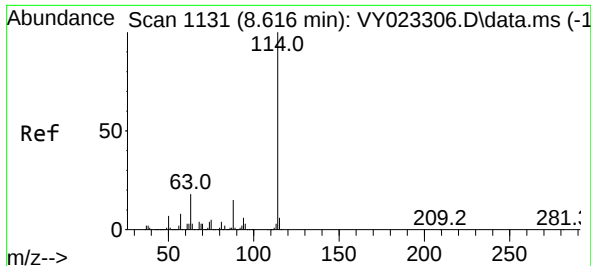
Tgt Ion: 56 Resp: 3705
Ion Ratio Lower Upper
56 100
69 187.6 28.2 42.2#
84 184.5 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 60.676 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

Tgt Ion: 65 Resp: 94072
Ion Ratio Lower Upper
65 100
67 54.3 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: VY023343.D

Acq: 11 Sep 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260

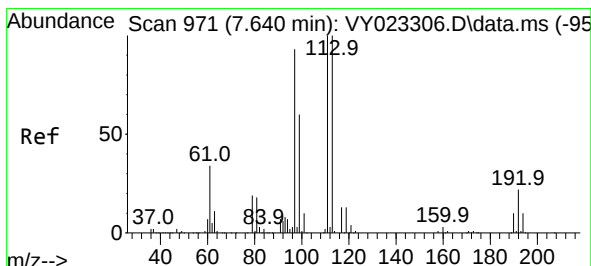
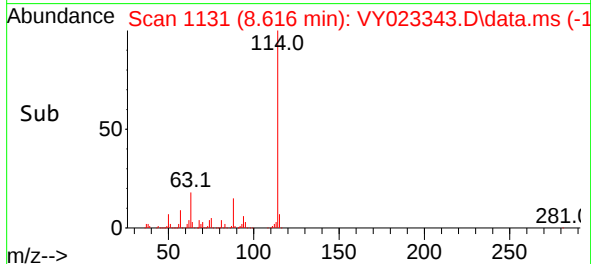
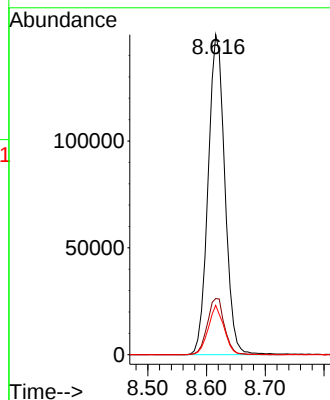
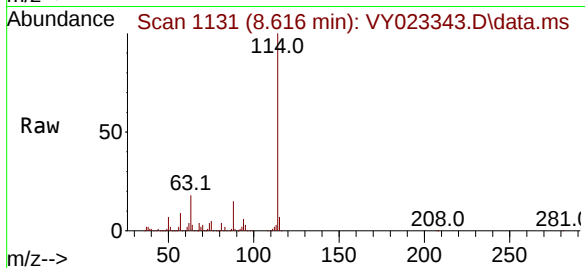
Tgt Ion:114 Resp: 296569

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 15.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 59.483 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023343.D

Acq: 11 Sep 2025 12:34

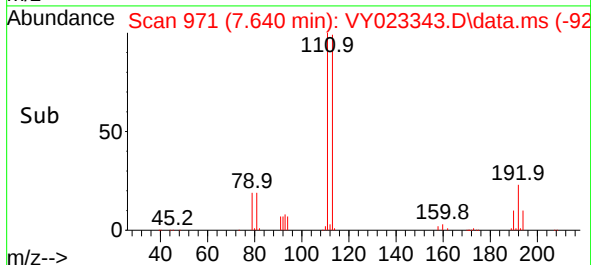
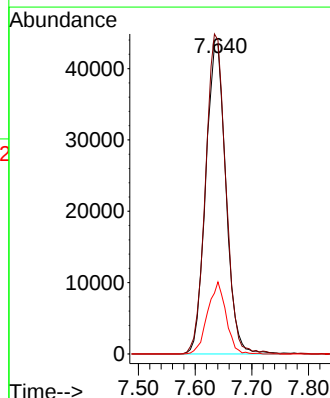
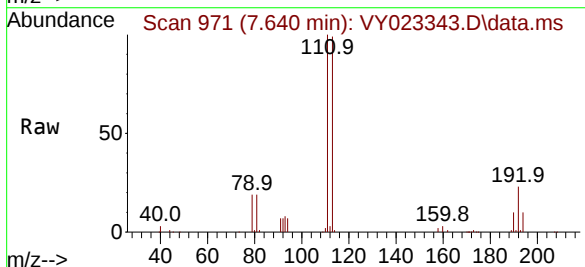
Tgt Ion:113 Resp: 107832

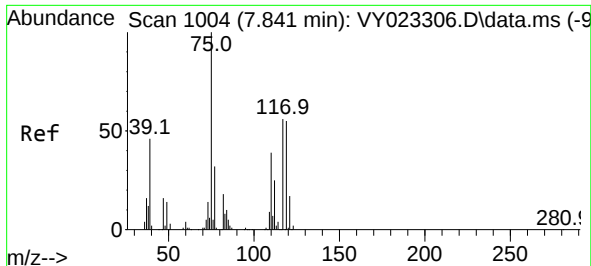
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 21.2 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023343.D

Acq: 11 Sep 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260

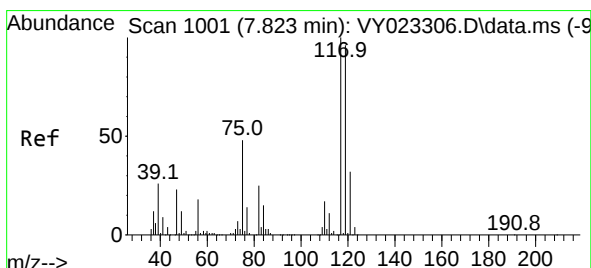
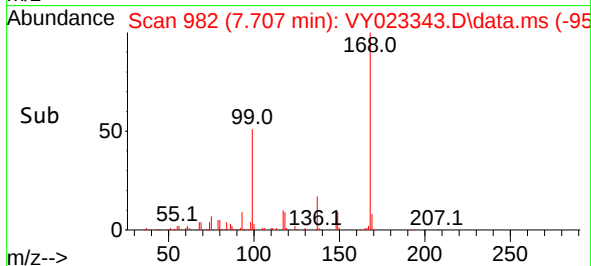
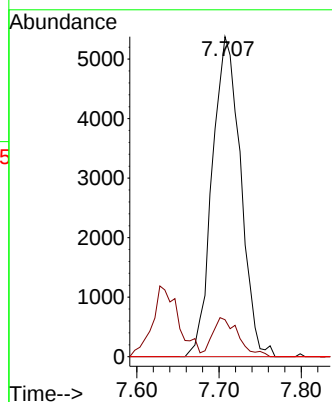
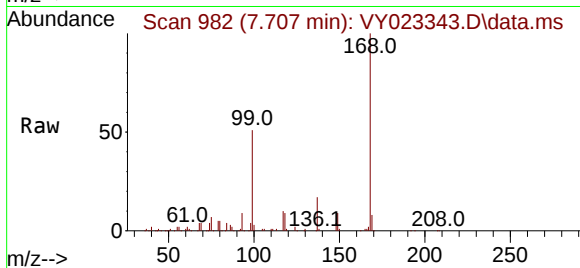
Tgt Ion: 75 Resp: 12855

Ion Ratio Lower Upper

75 100

110 11.2 18.1 54.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.643 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023343.D

Acq: 11 Sep 2025 12:34

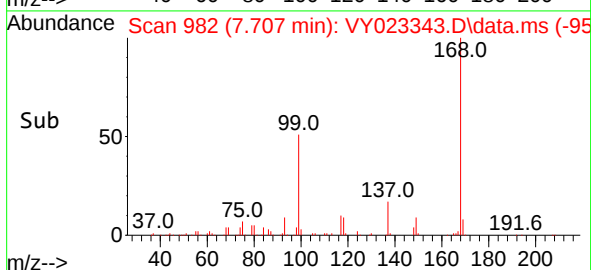
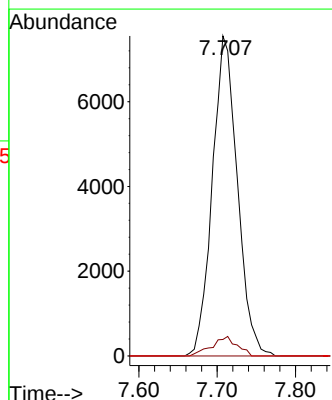
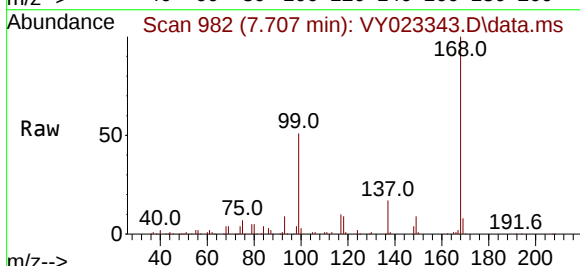
Tgt Ion: 117 Resp: 16765

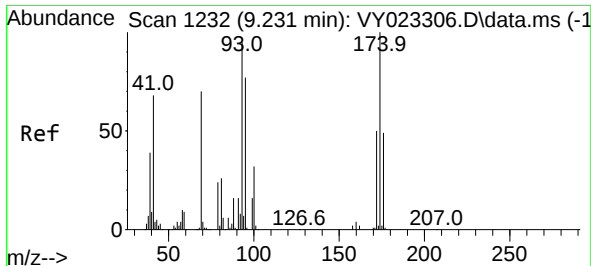
Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 5.533 ug/l

RT: 9.012 min Scan# 1196

Delta R.T. -0.213 min

Lab File: VY023343.D

Acq: 11 Sep 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260

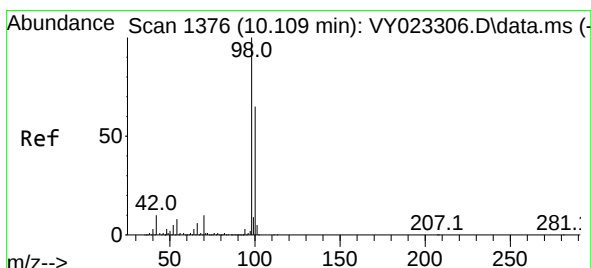
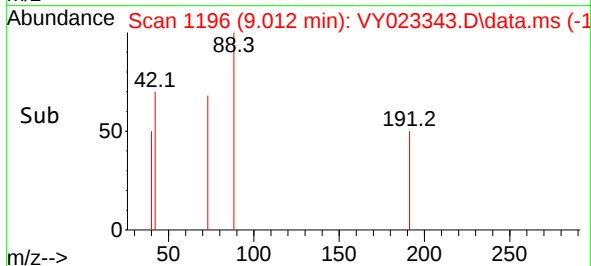
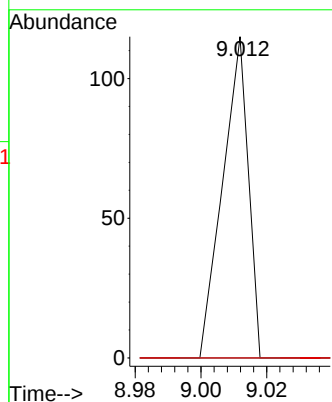
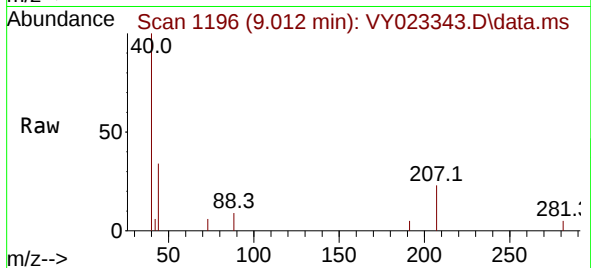
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 24.3 36.5#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 50.192 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023343.D

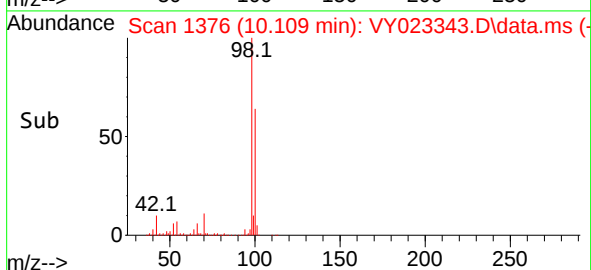
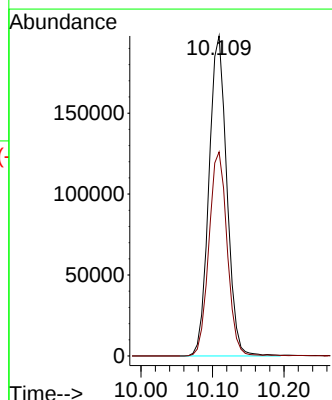
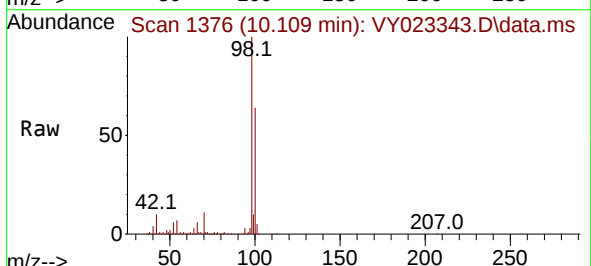
Acq: 11 Sep 2025 12:34

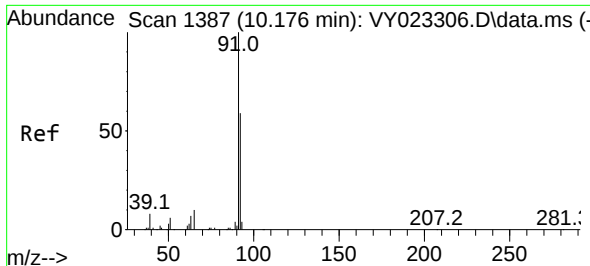
Tgt Ion: 98 Resp: 343582

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

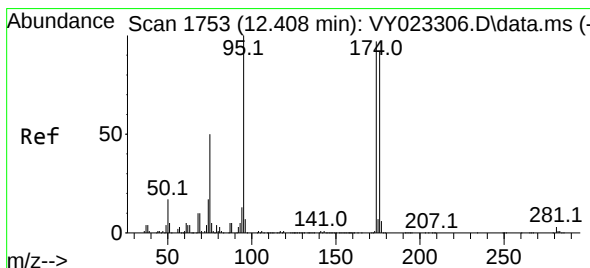
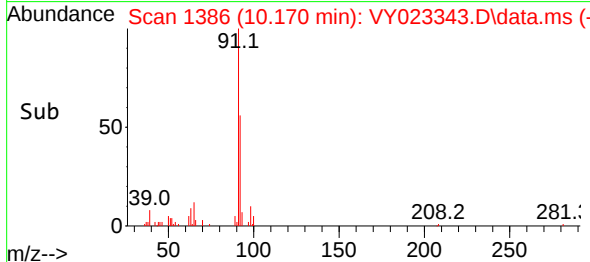
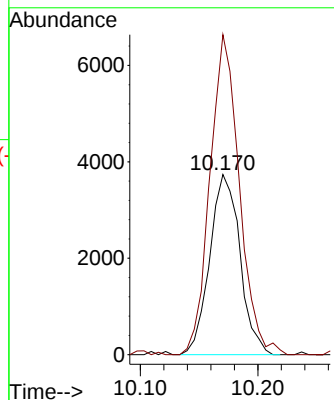
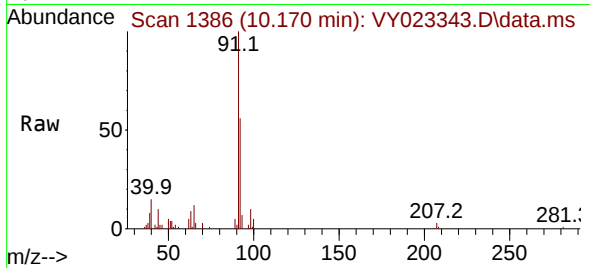




#52
Toluene
Concen: 1.312 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

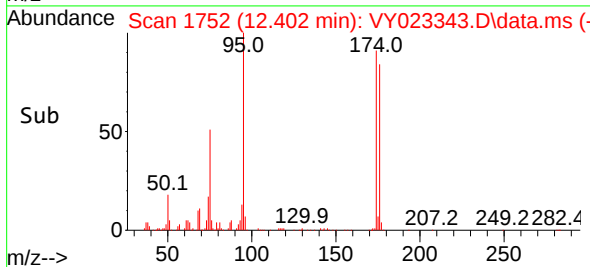
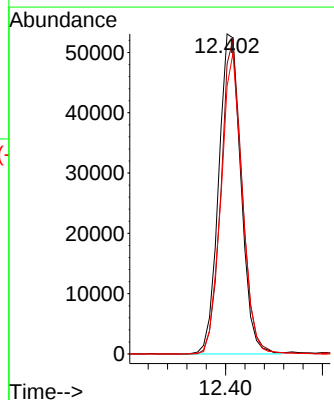
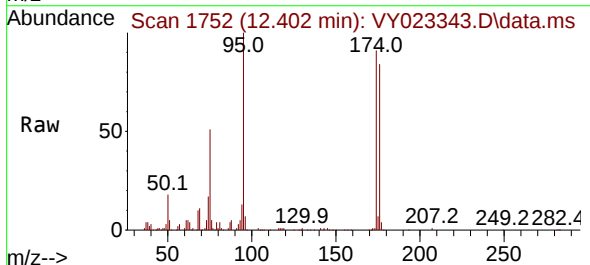
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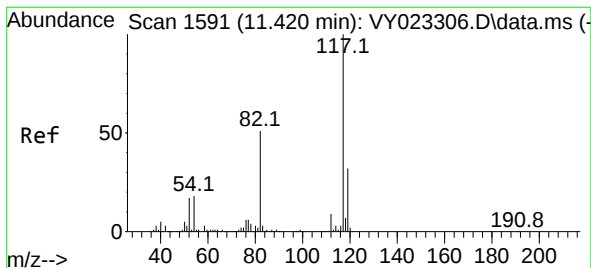
Tgt Ion: 92 Resp: 6680
Ion Ratio Lower Upper
92 100
91 172.8 136.4 204.6



#62
4-Bromofluorobenzene
Concen: 39.330 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

Tgt Ion: 95 Resp: 84724
Ion Ratio Lower Upper
95 100
174 93.3 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: VY023343.D

Acq: 11 Sep 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260

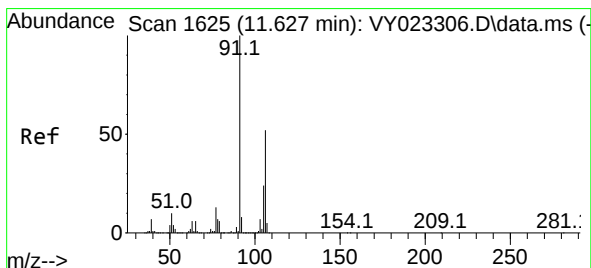
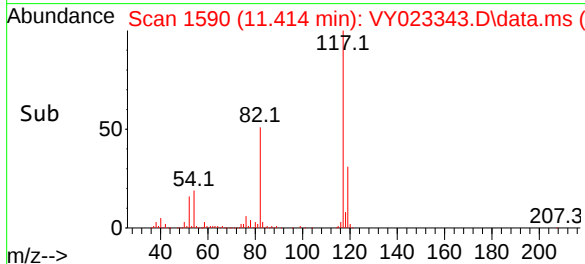
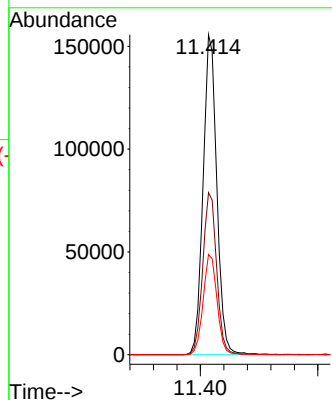
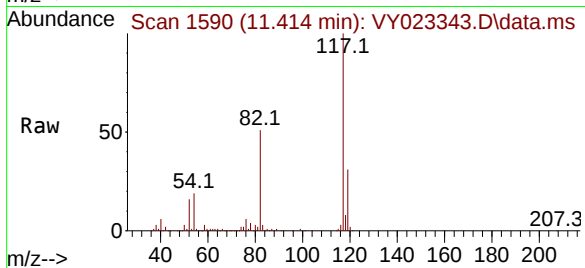
Tgt Ion:117 Resp: 252419

Ion Ratio Lower Upper

117 100

82 50.6 43.4 65.0

119 31.3 25.6 38.4



#68

m/p-Xylenes

Concen: 2.236 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023343.D

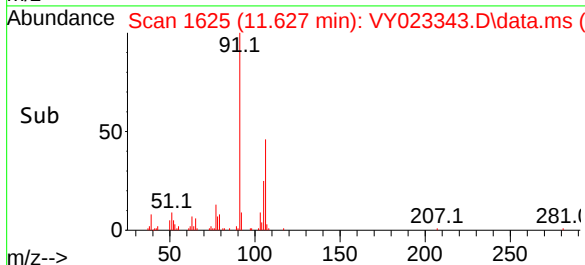
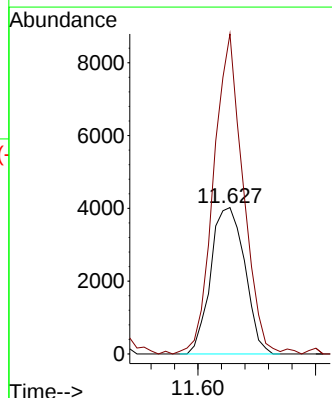
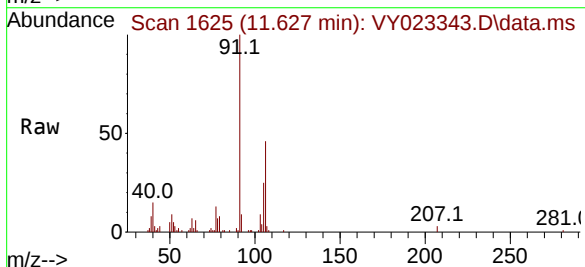
Acq: 11 Sep 2025 12:34

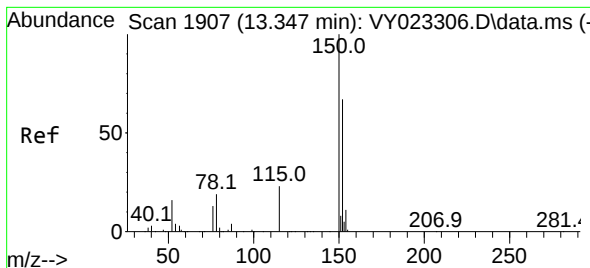
Tgt Ion:106 Resp: 8088

Ion Ratio Lower Upper

106 100

91 189.8 158.6 238.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023343.D

Acq: 11 Sep 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0260

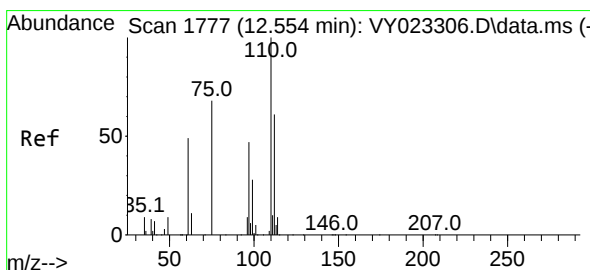
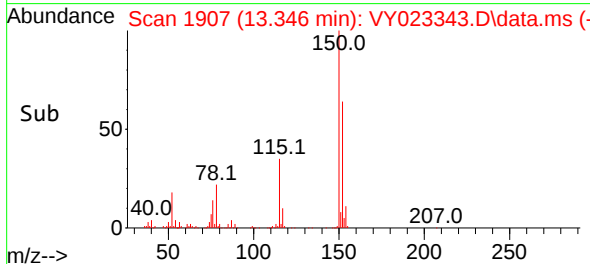
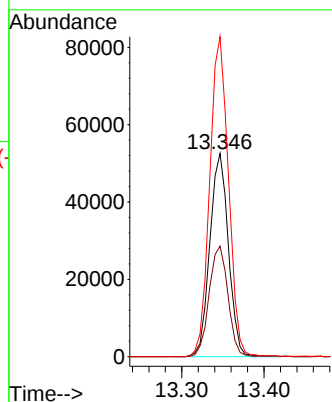
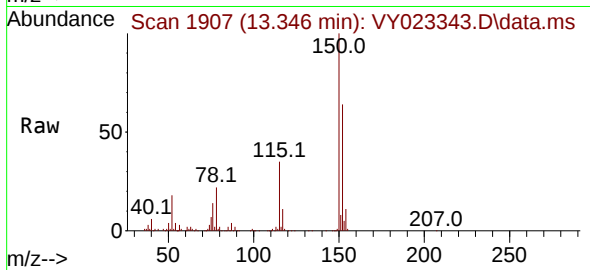
Tgt Ion:152 Resp: 82517

Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.6

150 158.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 51.123 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023343.D

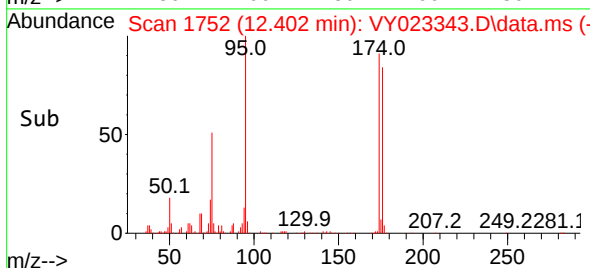
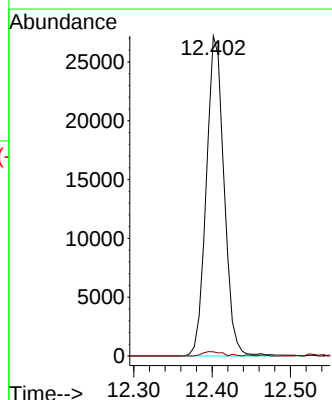
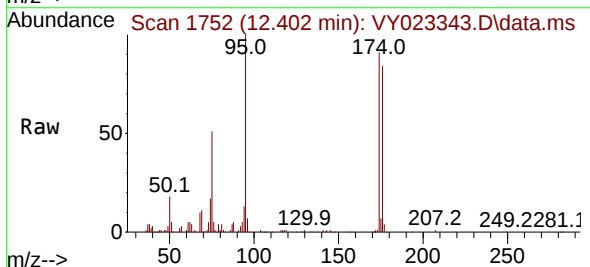
Acq: 11 Sep 2025 12:34

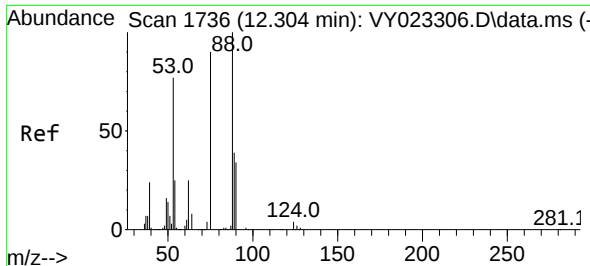
Tgt Ion: 75 Resp: 42720

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

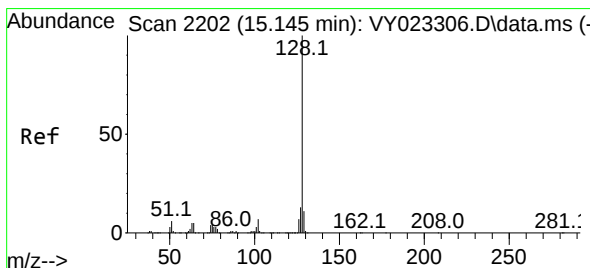
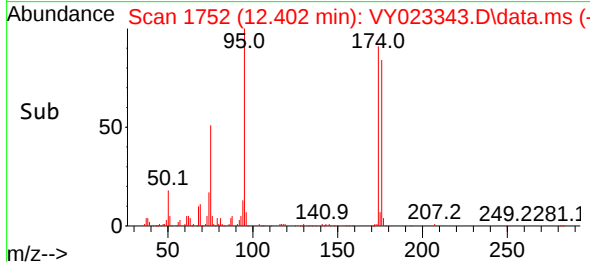
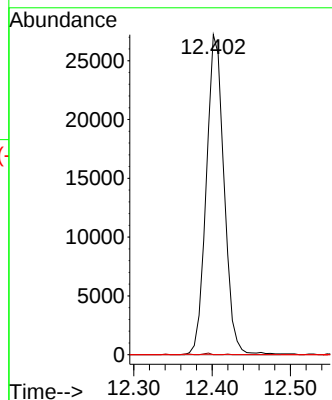
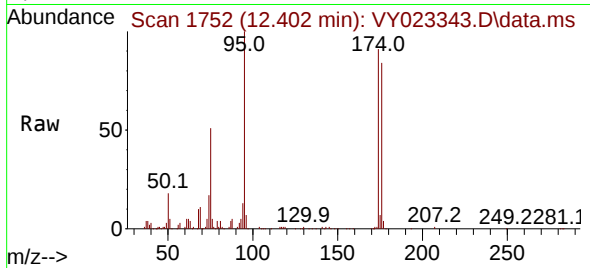




#81
trans-1,4-Dichloro-2-butene
Concen: 139.416 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0260

Tgt Ion: 75 Resp: 42720
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#



#95
Naphthalene
Concen: 1.236 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023343.D
Acq: 11 Sep 2025 12:34

Tgt Ion: 128 Resp: 2839
Ion Ratio Lower Upper
128 100
127 12.1 10.4 15.6
129 11.8 9.0 13.4

