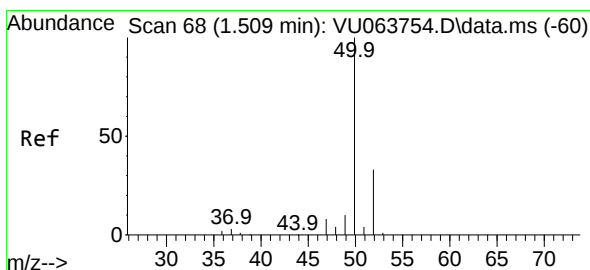
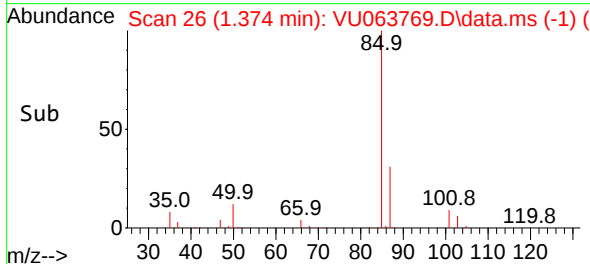
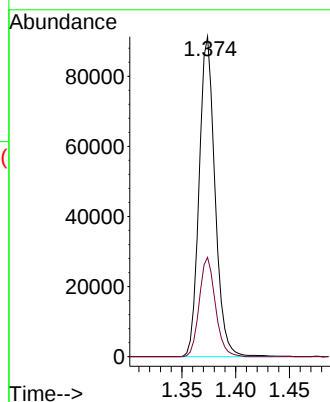
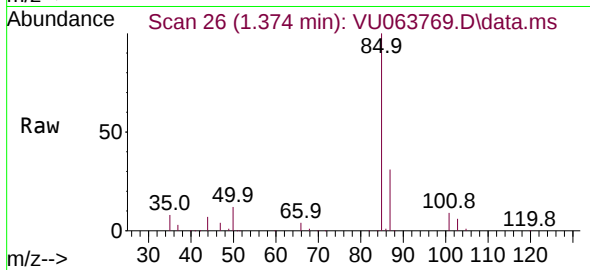


#2
Dichlorodifluoromethane
Concen: 47.433 ug/L
RT: 1.374 min Scan# 26
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

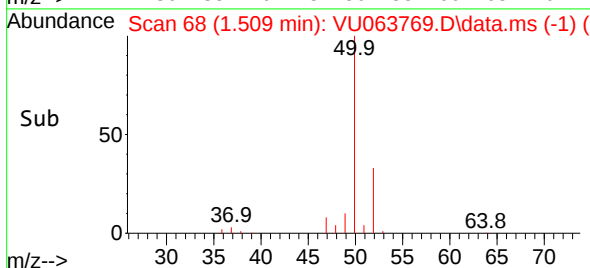
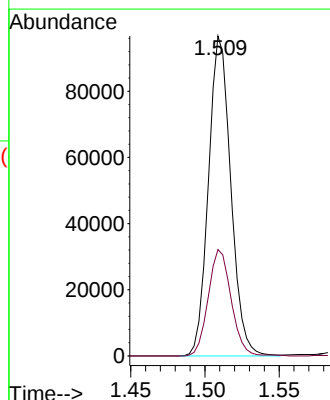
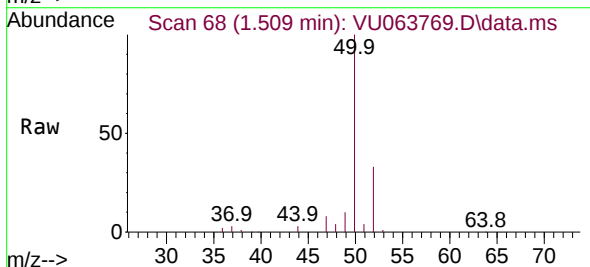
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

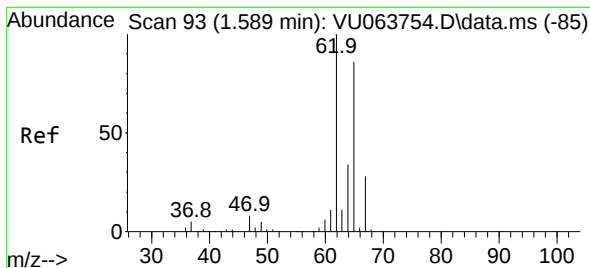
Tgt Ion: 85 Resp: 93673
Ion Ratio Lower Upper
85 100
87 31.3 26.2 39.2



#3
Chloromethane
Concen: 45.229 ug/L
RT: 1.509 min Scan# 68
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 50 Resp: 101061
Ion Ratio Lower Upper
50 100
52 33.2 23.2 43.2

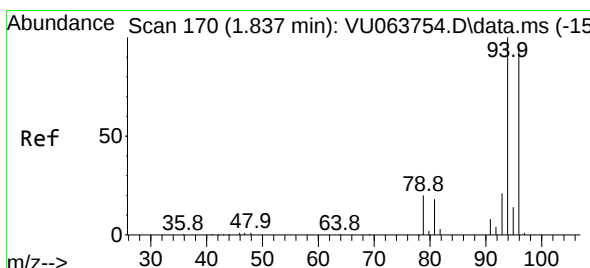
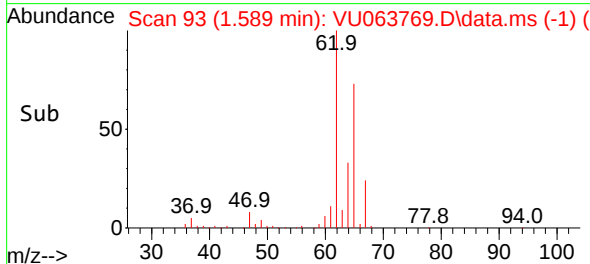
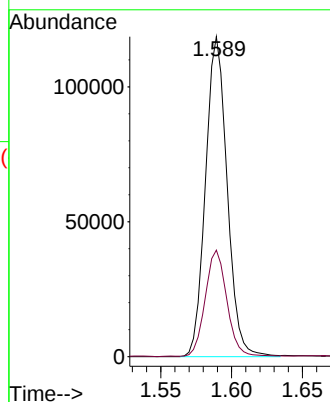
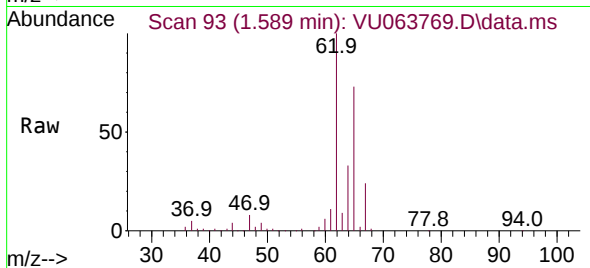




#5
 Vinyl chloride
 Concen: 48.422 ug/L
 RT: 1.589 min Scan# 93
 Delta R.T. 0.000 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

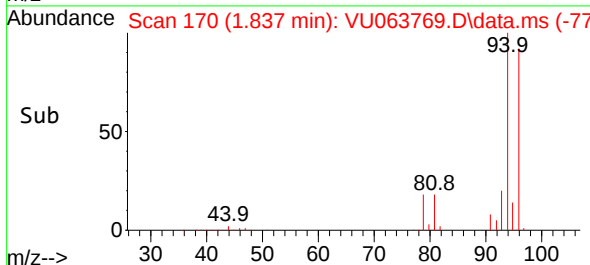
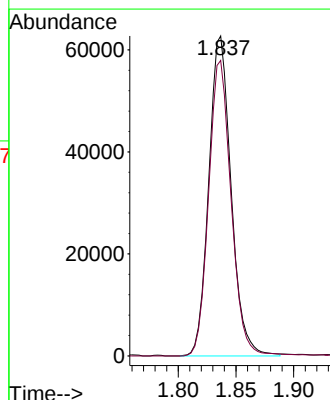
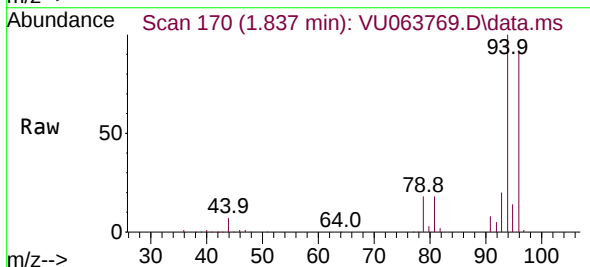
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMSD

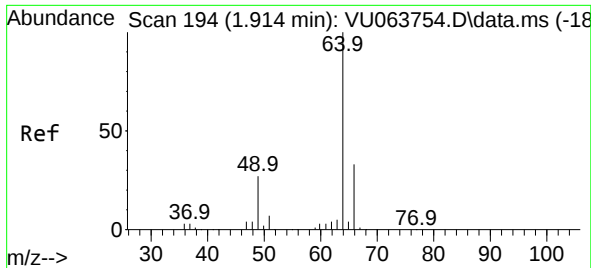
Tgt Ion: 62 Resp: 125800
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.2 43.2



#6
 Bromomethane
 Concen: 51.296 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. 0.000 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

Tgt Ion: 94 Resp: 84453
 Ion Ratio Lower Upper
 94 100
 96 92.3 63.8 118.4

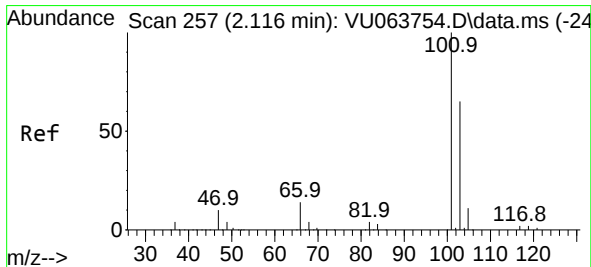
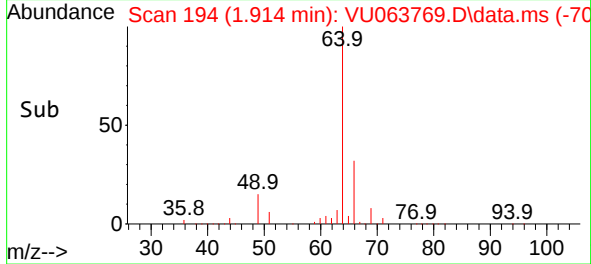
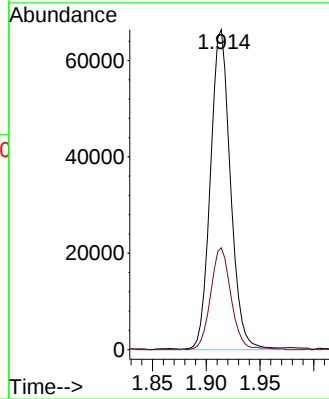
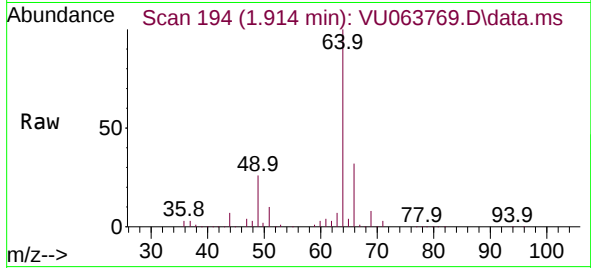




#8
Chloroethane
Concen: 49.683 ug/L
RT: 1.914 min Scan# 194
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

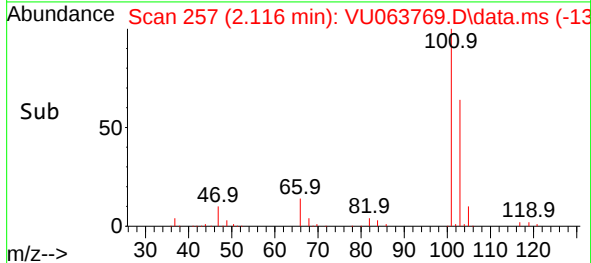
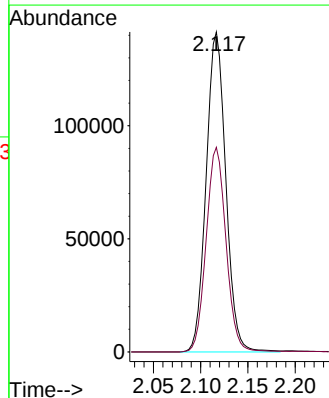
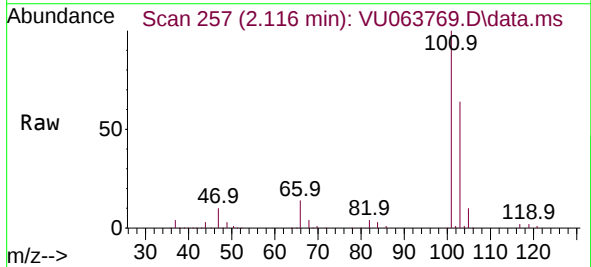
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

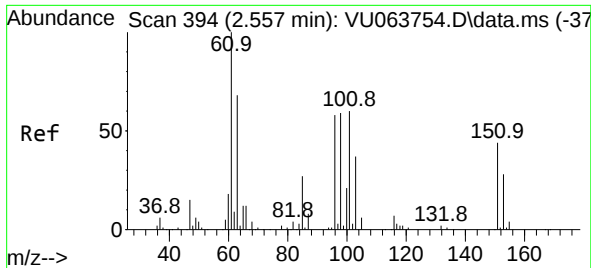
Tgt Ion: 64 Resp: 86157
Ion Ratio Lower Upper
64 100
66 31.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 50.050 ug/L
RT: 2.116 min Scan# 257
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:101 Resp: 205086
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

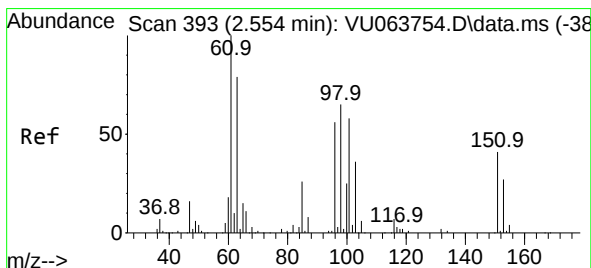
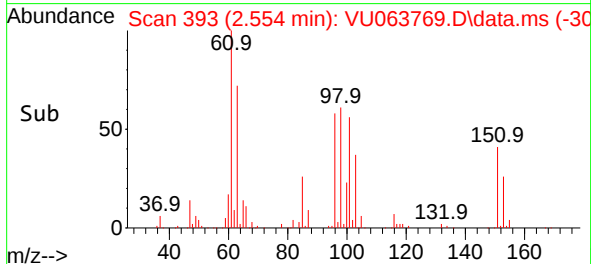
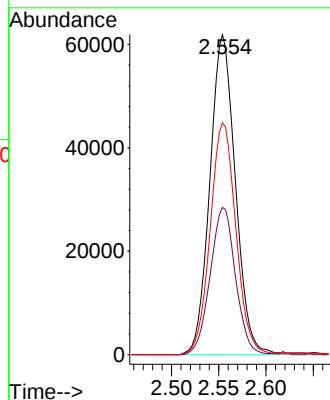
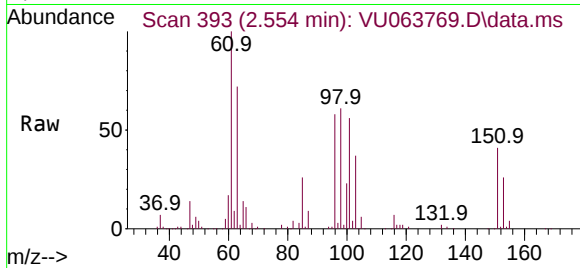




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.071 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

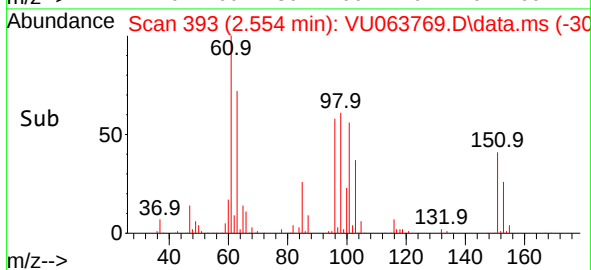
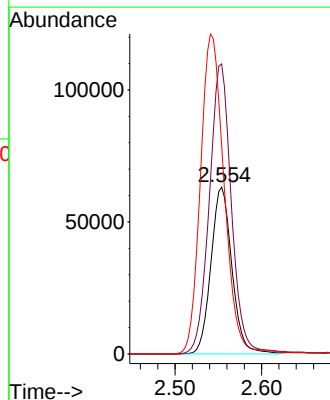
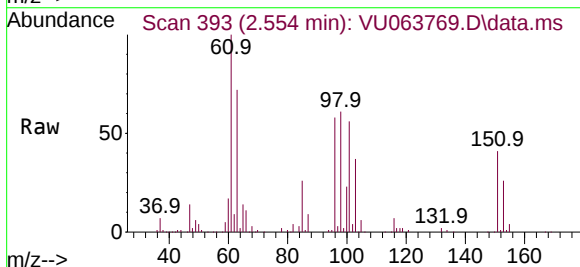
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMSD

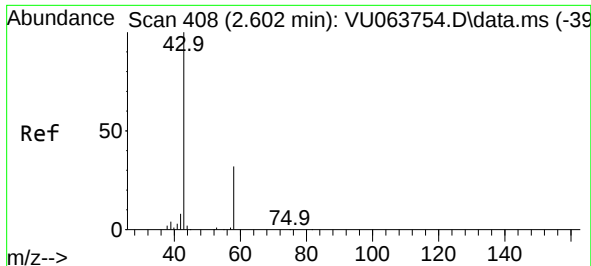
Tgt Ion:101 Resp: 116420
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.3 54.5
 151 73.1 60.1 90.1



#12
 1,1-Dichloroethene
 Concen: 47.933 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. 0.000 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

Tgt Ion: 96 Resp: 106170
 Ion Ratio Lower Upper
 96 100
 61 173.8 123.3 228.9
 63 125.2 103.3 191.8

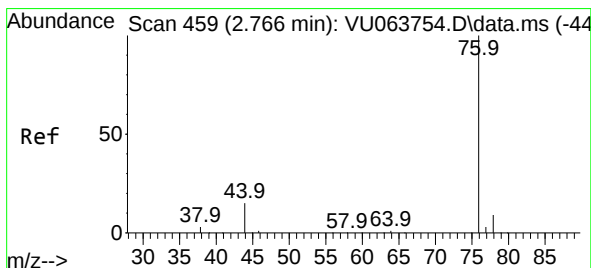
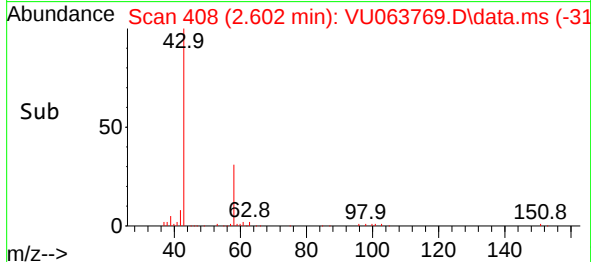
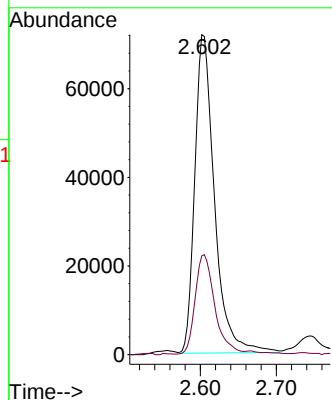
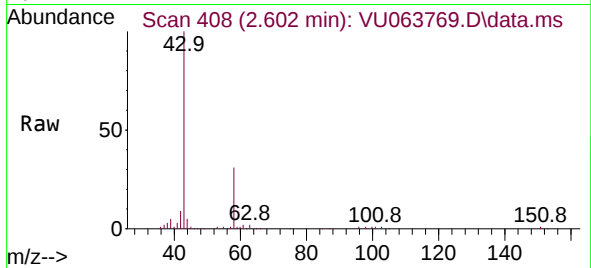




#13
Acetone
Concen: 57.238 ug/L
RT: 2.602 min Scan# 408
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

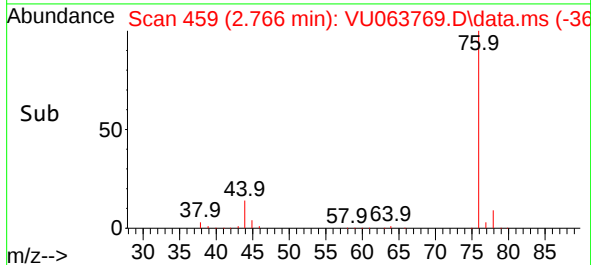
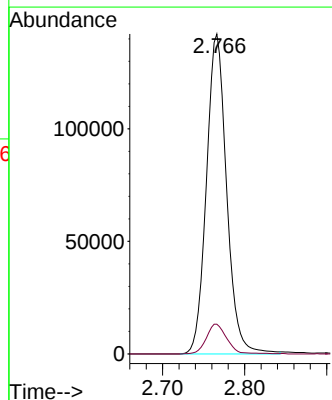
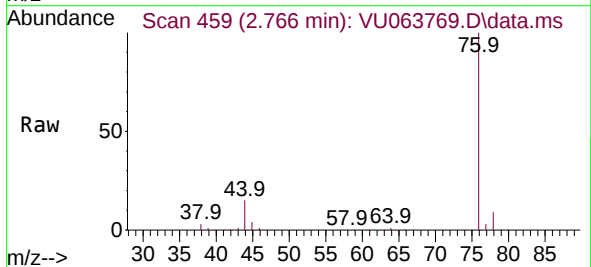
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

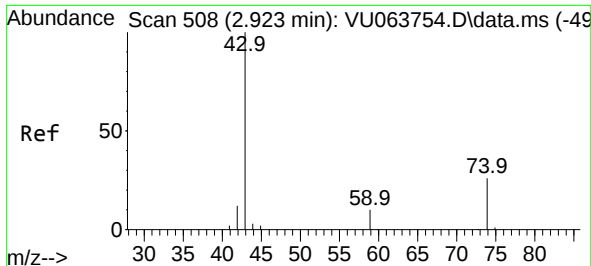
Tgt Ion: 43 Resp: 129402
Ion Ratio Lower Upper
43 100
58 30.9 0.0 63.4



#14
Carbon disulfide
Concen: 42.117 ug/L
RT: 2.766 min Scan# 459
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 76 Resp: 242999
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6

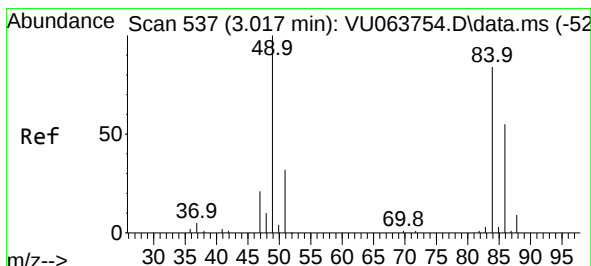
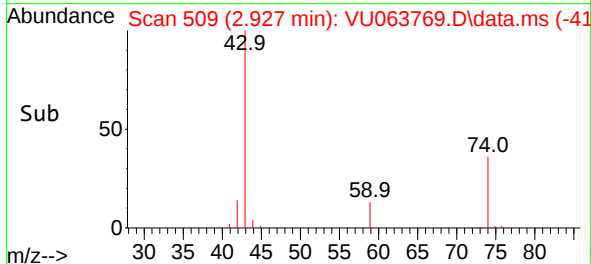
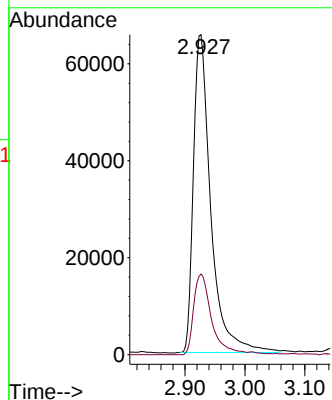
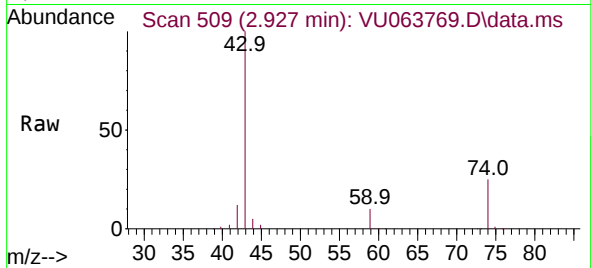




#15
Methyl Acetate
Concen: 48.608 ug/L
RT: 2.927 min Scan# 509
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

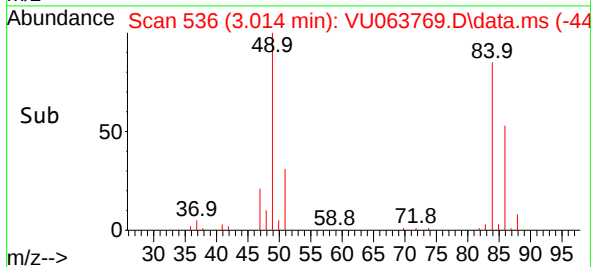
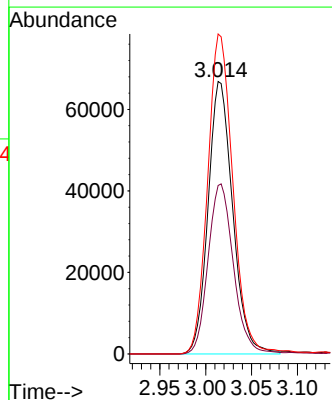
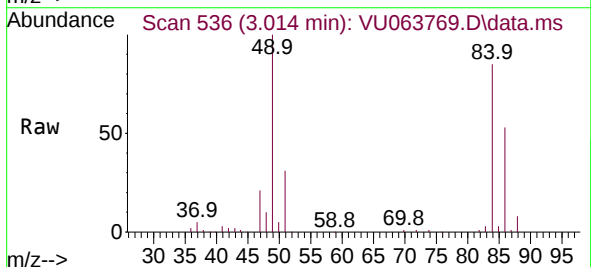
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

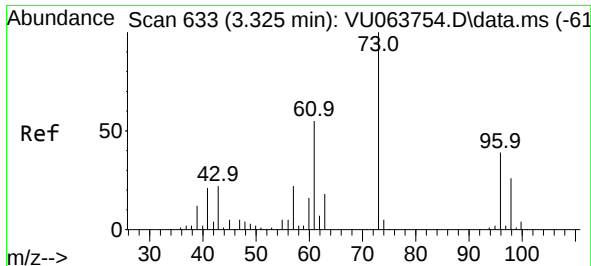
Tgt Ion: 43 Resp: 131961
Ion Ratio Lower Upper
43 100
74 25.9 20.5 30.7



#16
Methylene chloride
Concen: 48.366 ug/L
RT: 3.014 min Scan# 536
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 84 Resp: 124889
Ion Ratio Lower Upper
84 100
86 61.8 45.2 84.0
49 117.5 83.6 155.2



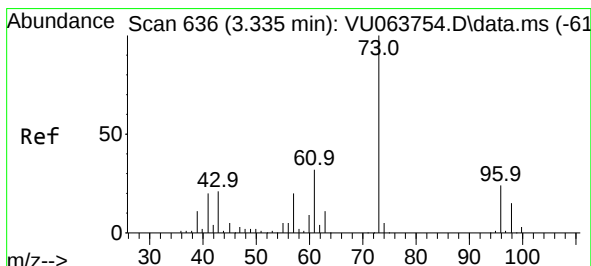
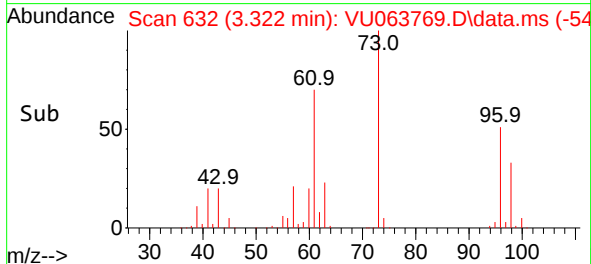
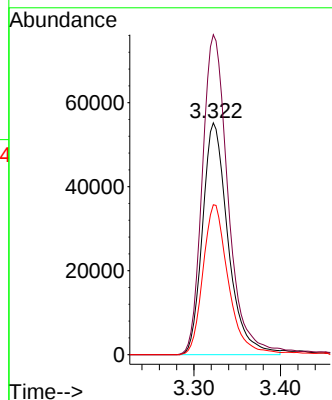
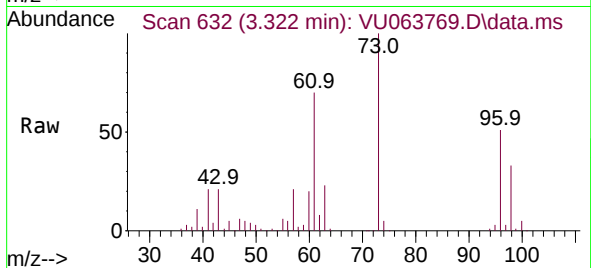


#17

trans-1,2-Dichloroethene
Concen: 47.910 ug/L
RT: 3.322 min Scan# 632
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

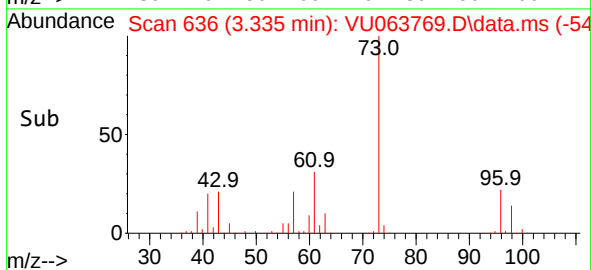
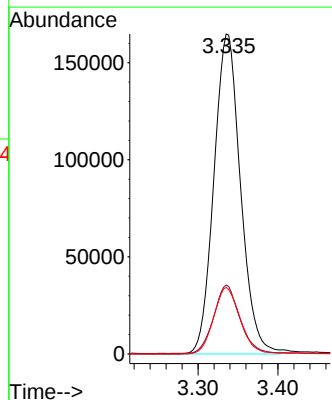
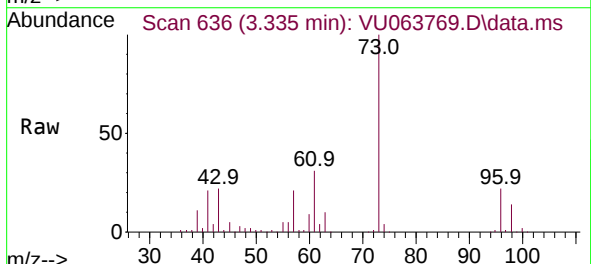
Tgt Ion: 96 Resp: 113141
Ion Ratio Lower Upper
96 100
61 138.1 92.7 172.1
98 64.6 43.2 80.2

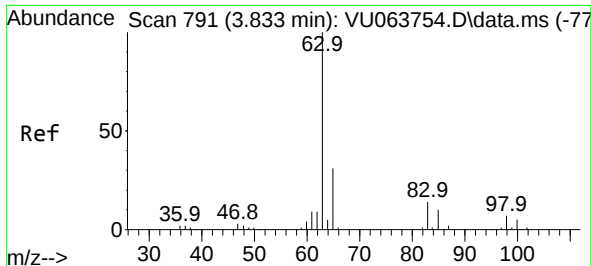


#18

Methyl tert-butyl Ether
Concen: 47.649 ug/L
RT: 3.335 min Scan# 636
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 73 Resp: 380824
Ion Ratio Lower Upper
73 100
43 20.8 16.6 24.8
57 20.7 16.3 24.5





#19

1,1-Dichloroethane

Concen: 47.872 ug/L

RT: 3.833 min Scan# 791

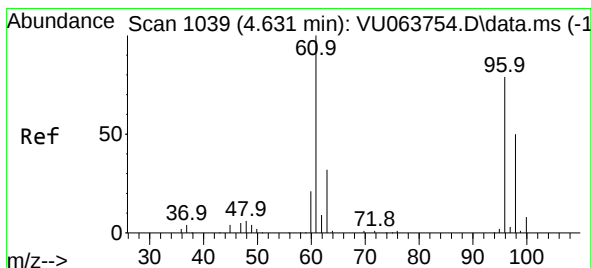
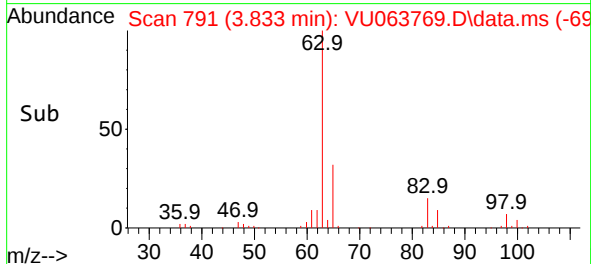
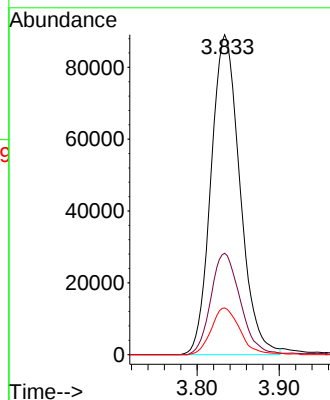
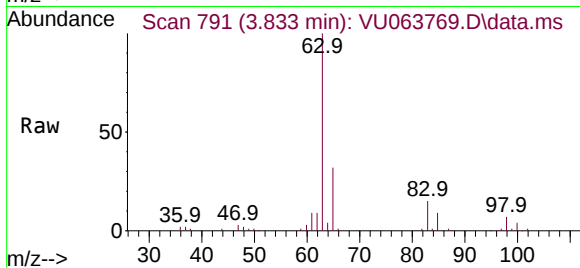
Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion: 63 Resp: 217843

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.0	41.0
83	14.6	9.5	17.7



#20

cis-1,2-Dichloroethene

Concen: 50.569 ug/L

RT: 4.634 min Scan# 1040

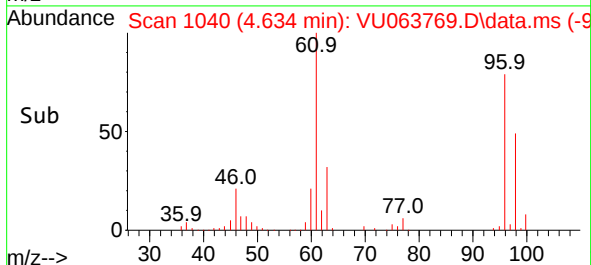
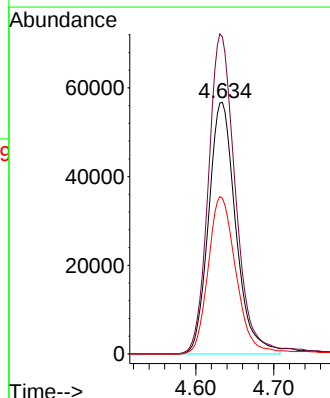
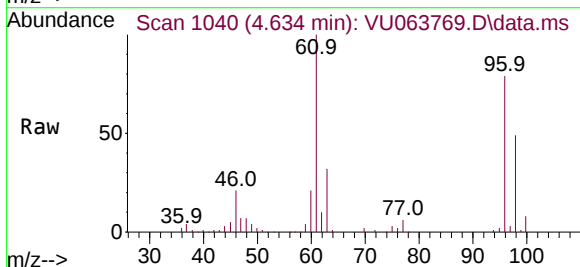
Delta R.T. 0.003 min

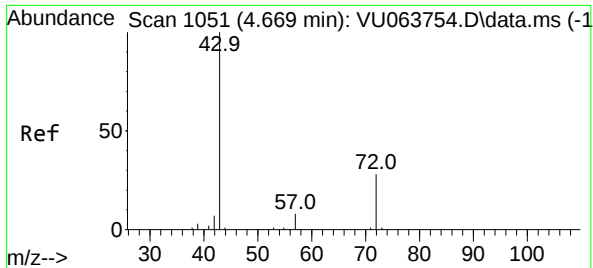
Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion: 96 Resp: 137463

Ion	Ratio	Lower	Upper
96	100		
61	126.0	90.3	167.7
98	61.9	46.3	86.1

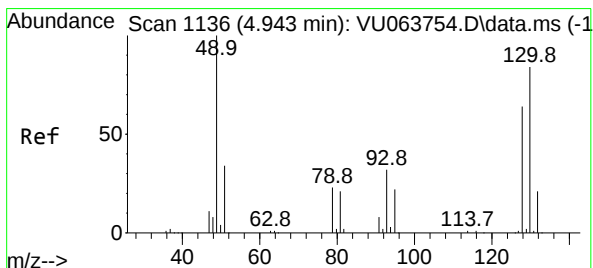
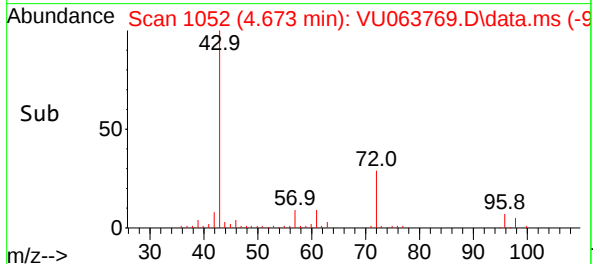
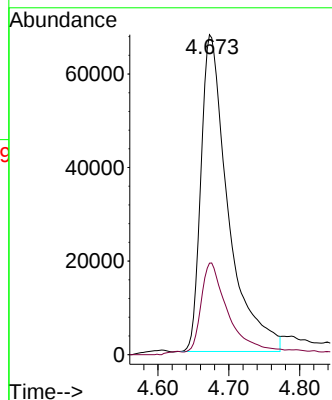
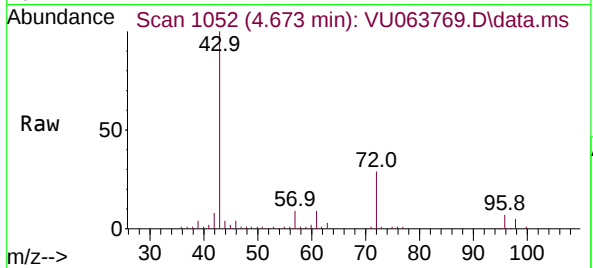




#22
2-Butanone
Concen: 71.902 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

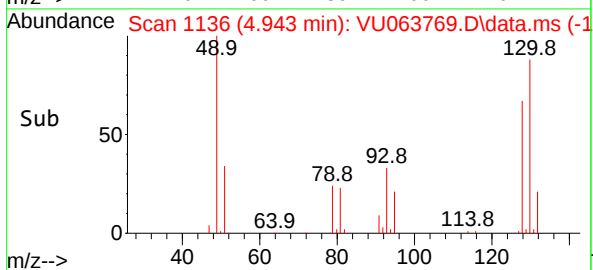
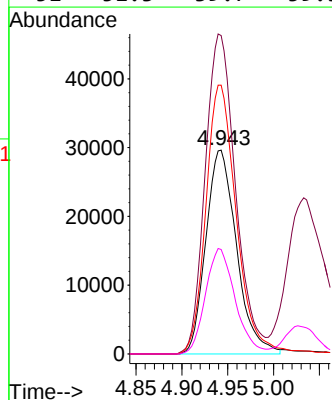
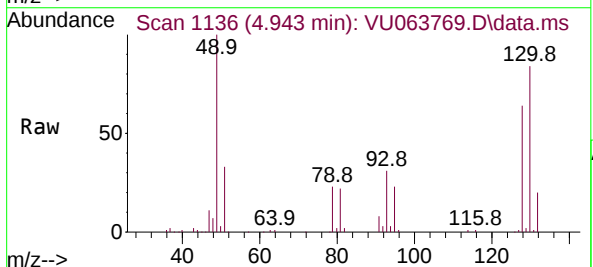
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

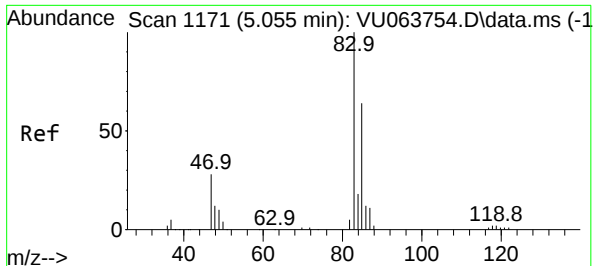
Tgt Ion: 43 Resp: 180590
Ion Ratio Lower Upper
43 100
72 28.0 13.6 40.7



#23
Bromochloromethane
Concen: 49.288 ug/L
RT: 4.943 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 128 Resp: 68883
Ion Ratio Lower Upper
128 100
49 156.3 113.5 210.7
130 131.9 89.8 166.8
51 51.3 39.7 59.5





#25

Chloroform

Concen: 49.729 ug/L

RT: 5.055 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VU063769.D

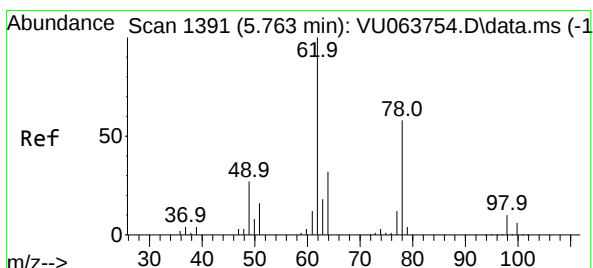
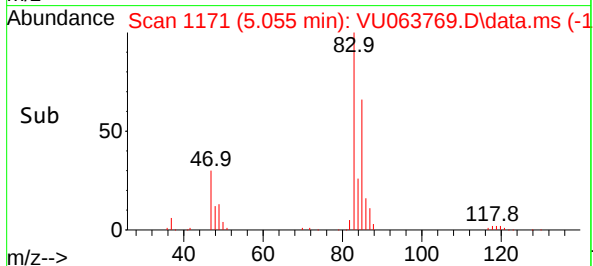
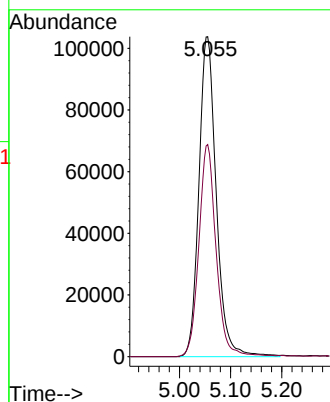
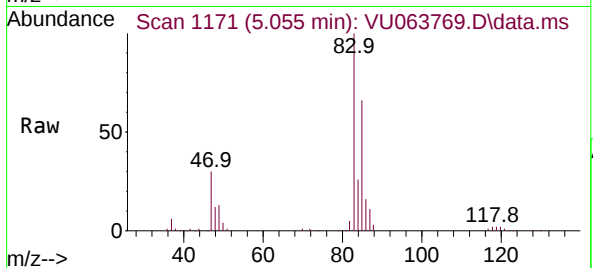
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 244947

Ion Ratio Lower Upper

83 100

85 66.3 45.4 84.4



#27

1,2-Dichloroethane

Concen: 49.643 ug/L

RT: 5.763 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VU063769.D

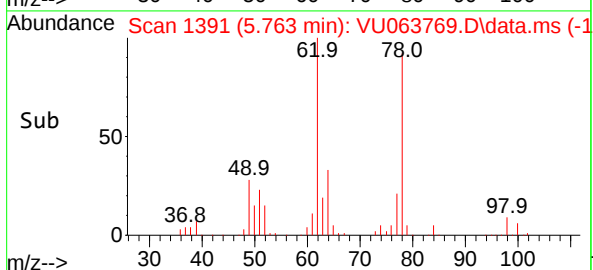
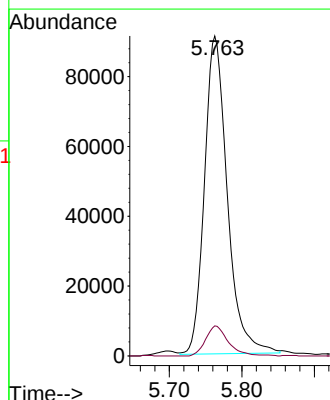
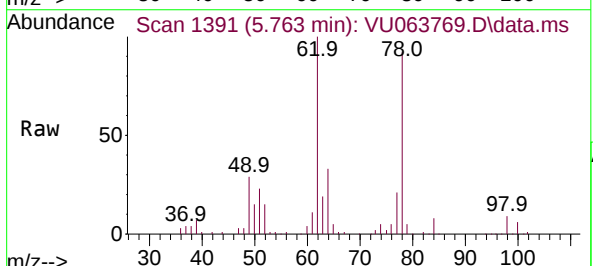
Acq: 21 Nov 2025 14:57

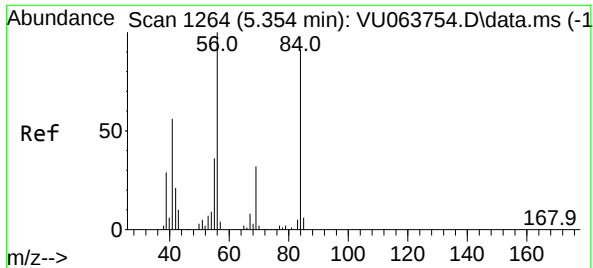
Tgt Ion: 62 Resp: 199616

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#29

Cyclohexane

Concen: 46.331 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

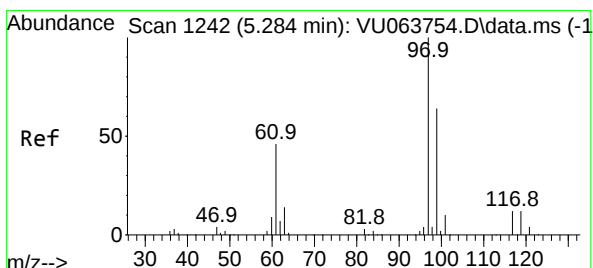
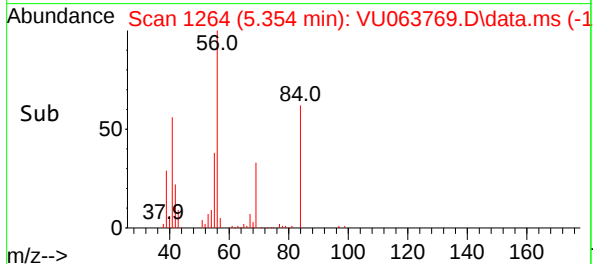
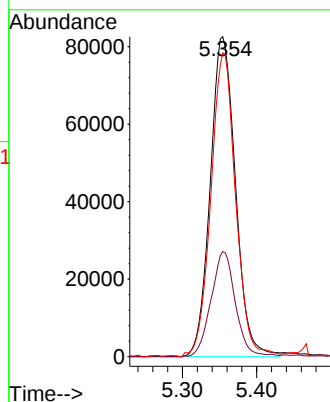
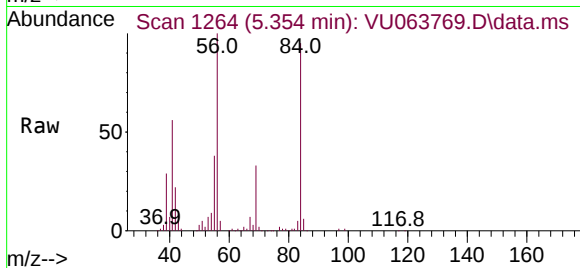
Tgt Ion: 56 Resp: 194837

Ion Ratio Lower Upper

56 100

69 31.1 25.8 38.8

84 92.8 69.3 103.9



#30

1,1,1-Trichloroethane

Concen: 47.114 ug/L

RT: 5.284 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

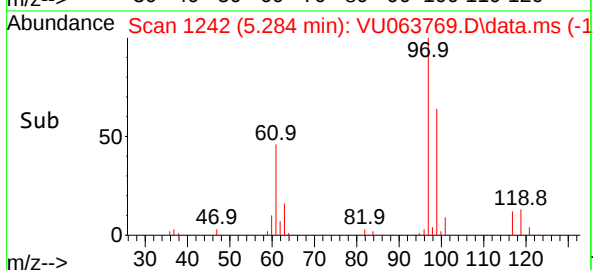
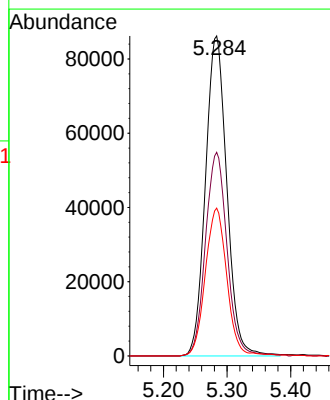
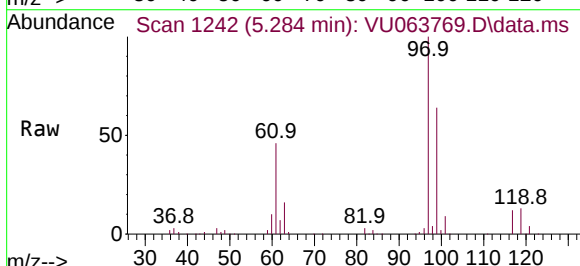
Tgt Ion: 97 Resp: 201082

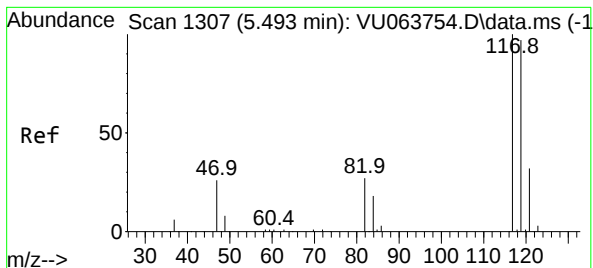
Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

61 45.9 37.2 55.8

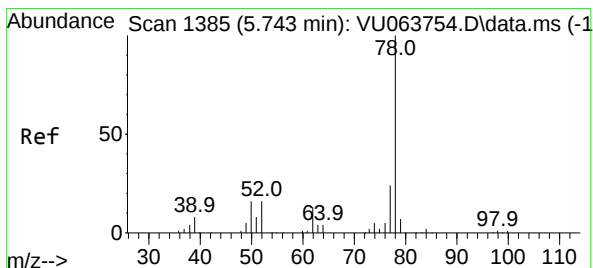
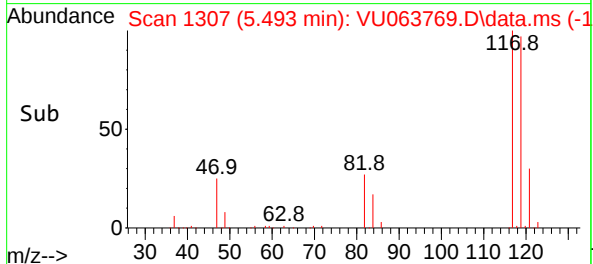
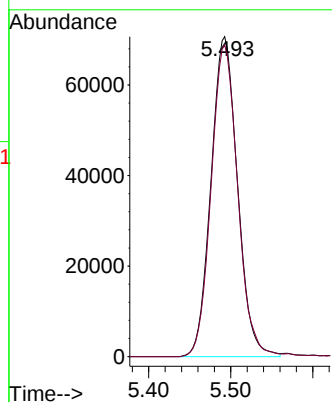
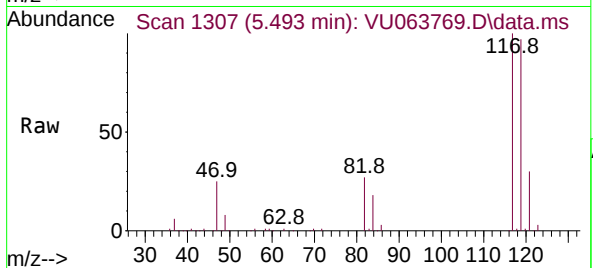




#31
Carbon tetrachloride
Concen: 47.293 ug/L
RT: 5.493 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

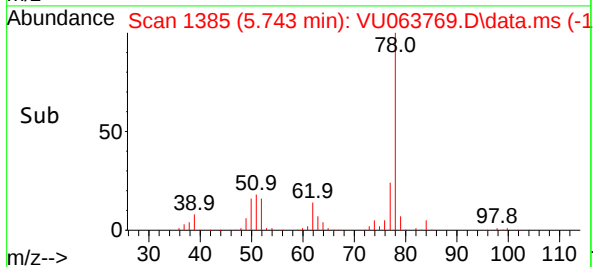
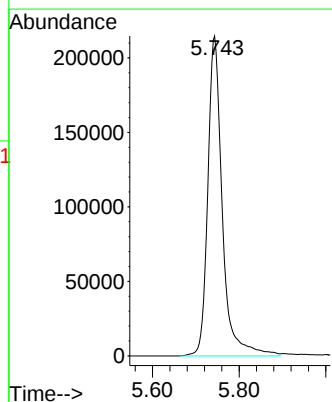
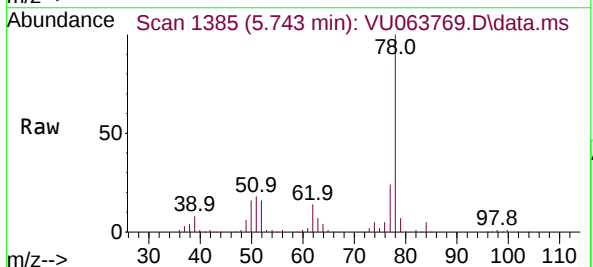
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

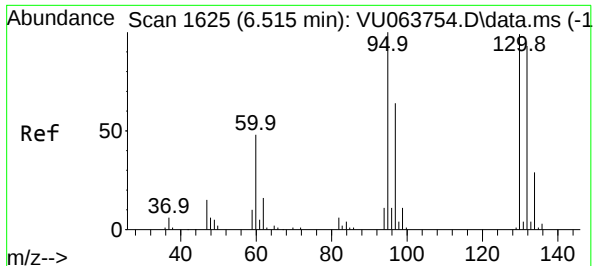
Tgt Ion:117 Resp: 158715
Ion Ratio Lower Upper
117 100
119 97.3 76.0 114.0



#33
Benzene
Concen: 48.898 ug/L
RT: 5.743 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 78 Resp: 498474

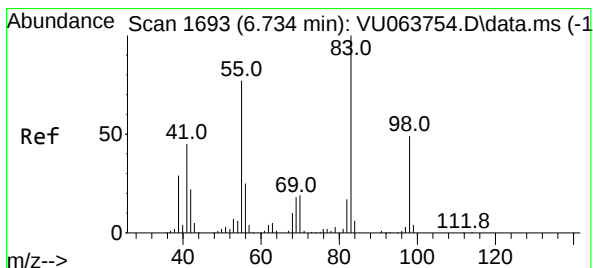
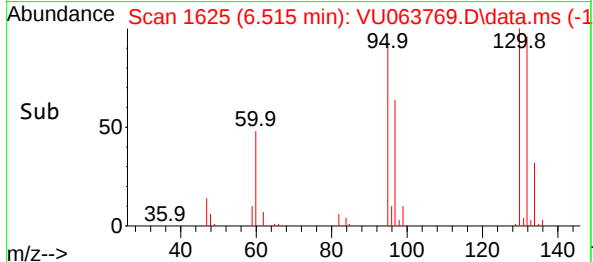
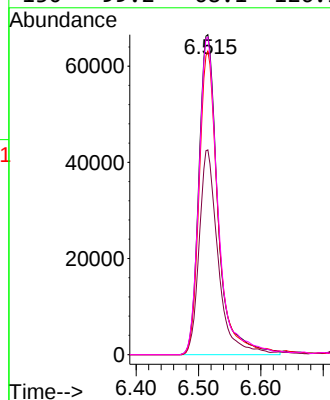
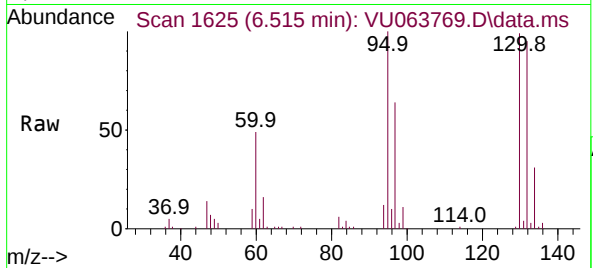




#34
Trichloroethene
Concen: 48.155 ug/L
RT: 6.515 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

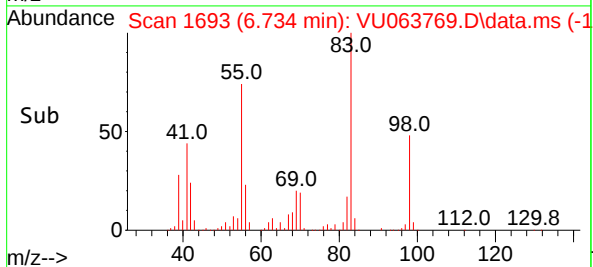
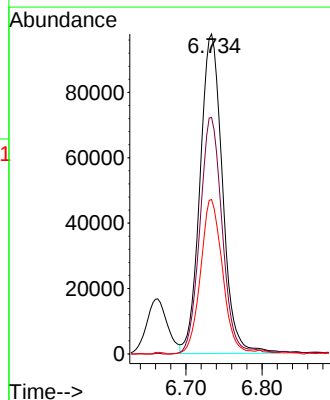
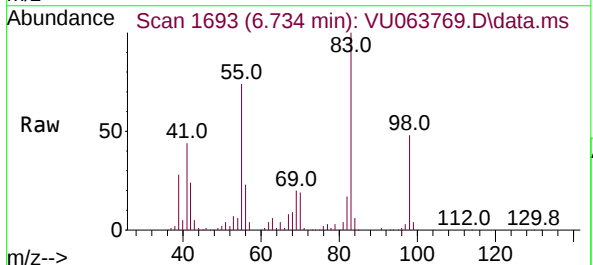
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

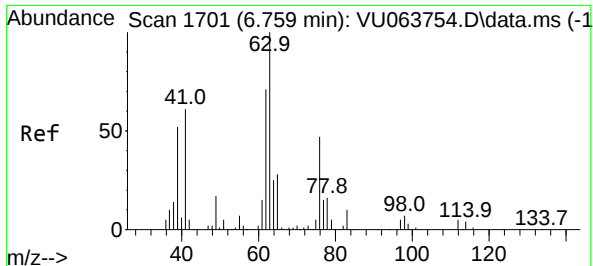
Tgt Ion: 95 Resp: 141520
Ion Ratio Lower Upper
95 100
97 64.0 45.1 83.9
132 94.9 68.3 126.8
130 99.2 68.1 126.5



#35
Methylcyclohexane
Concen: 46.466 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 200461
Ion Ratio Lower Upper
83 100
55 73.0 60.9 91.3
98 47.3 39.7 59.5

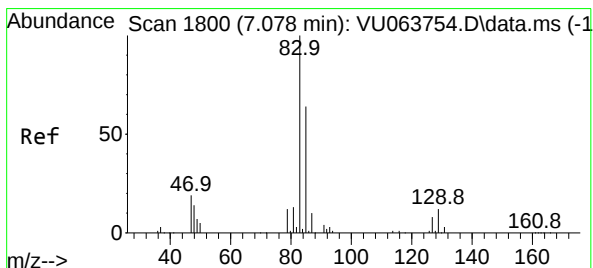
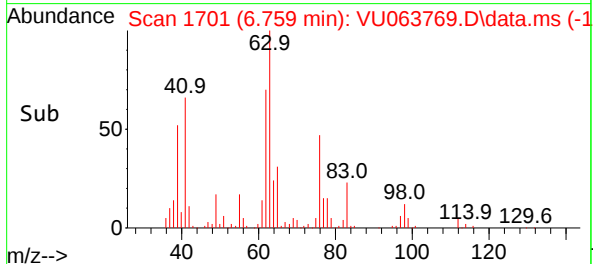
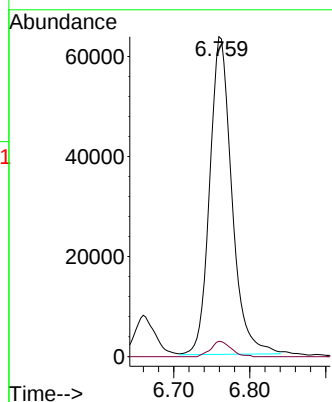
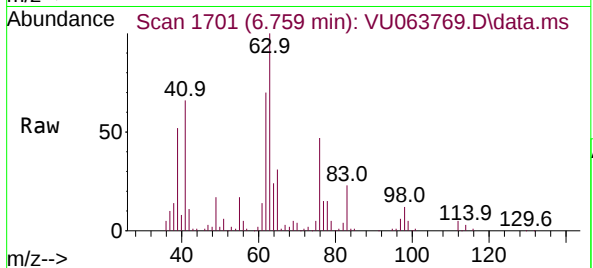




#37
1,2-Dichloropropane
Concen: 48.639 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

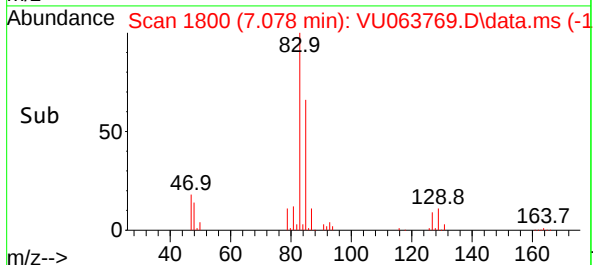
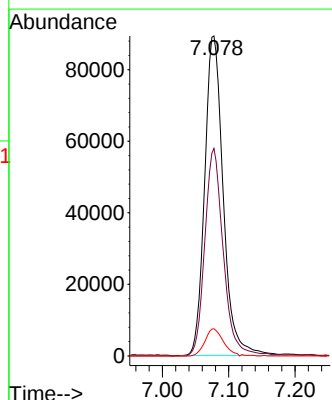
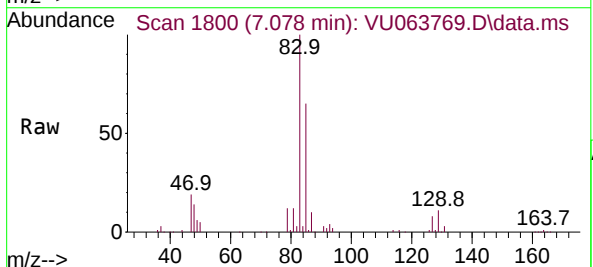
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

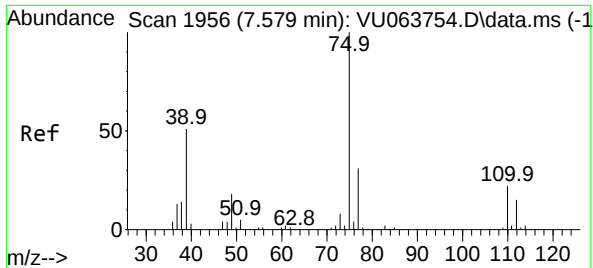
Tgt Ion: 63 Resp: 128858
Ion Ratio Lower Upper
63 100
112 4.4 3.7 5.5



#38
Bromodichloromethane
Concen: 47.900 ug/L
RT: 7.078 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 83 Resp: 173773
Ion Ratio Lower Upper
83 100
85 64.8 43.1 80.1
127 8.5 6.6 10.0

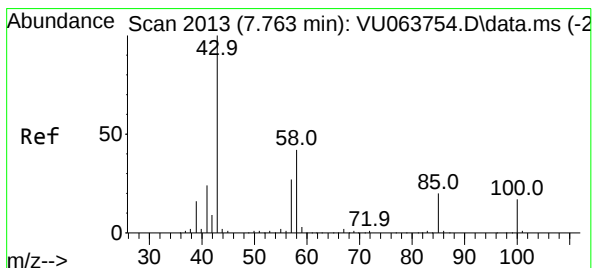
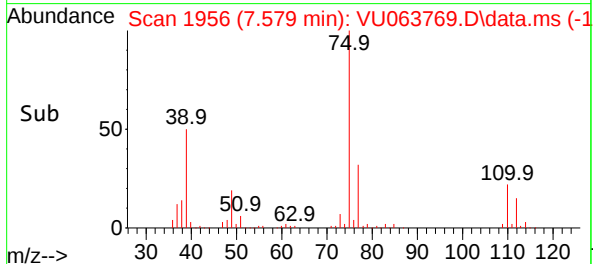
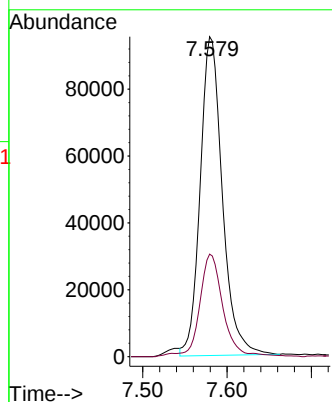
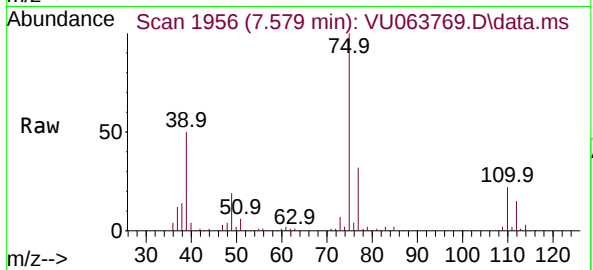




#39
 cis-1,3-Dichloropropene
 Concen: 44.263 ug/L
 RT: 7.579 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

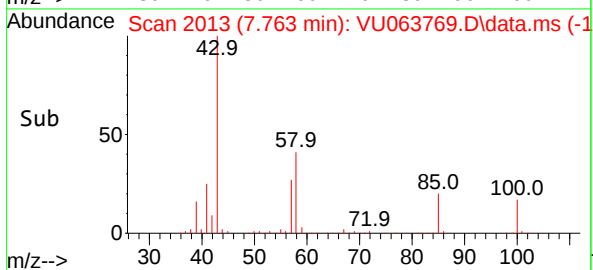
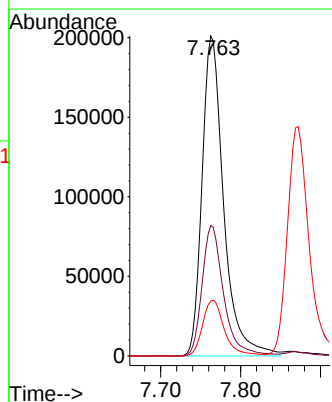
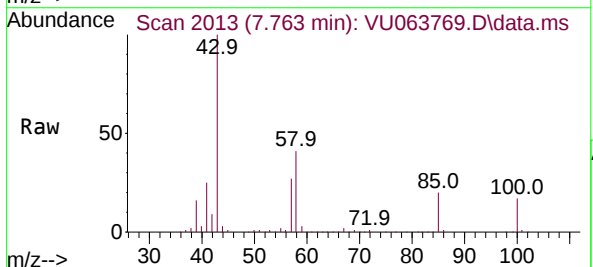
Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMSD

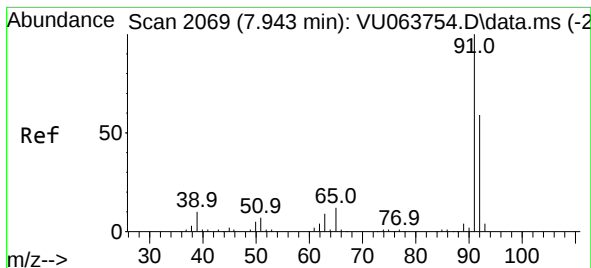
Tgt Ion: 75 Resp: 173909
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 98.146 ug/L
 RT: 7.763 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VU063769.D
 Acq: 21 Nov 2025 14:57

Tgt Ion: 43 Resp: 376367
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.9 49.3
 100 17.6 13.9 20.9





#42

Toluene

Concen: 48.313 ug/L

RT: 7.943 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VU063769.D

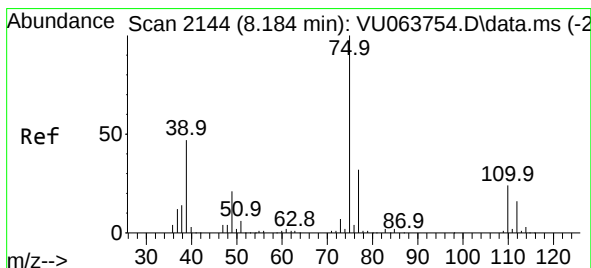
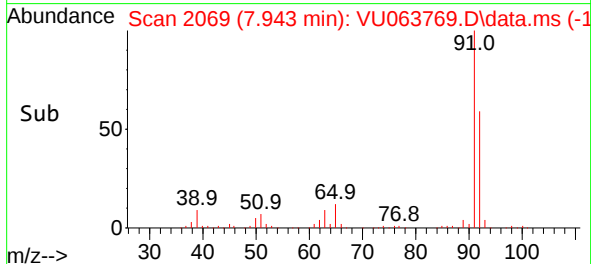
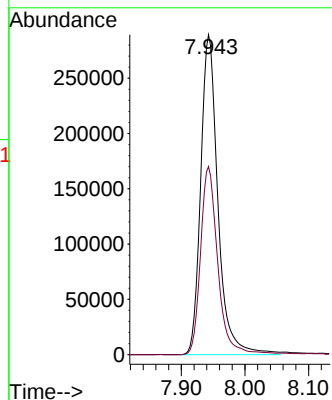
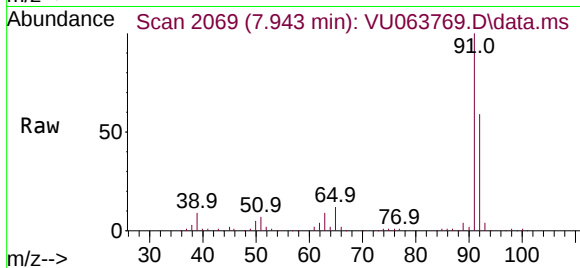
Acq: 21 Nov 2025 14:57

Tgt Ion: 91 Resp: 543735

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 44.756 ug/L

RT: 8.184 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VU063769.D

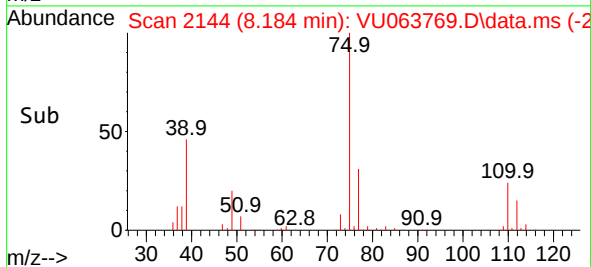
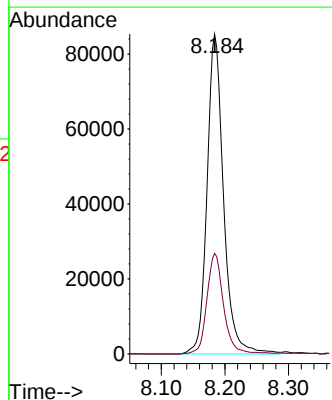
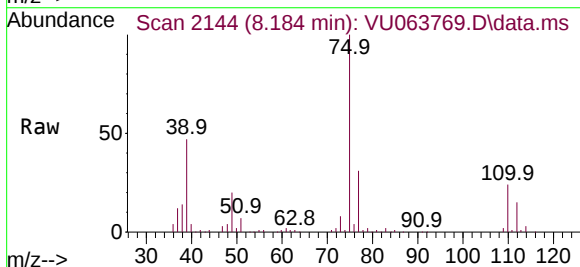
Acq: 21 Nov 2025 14:57

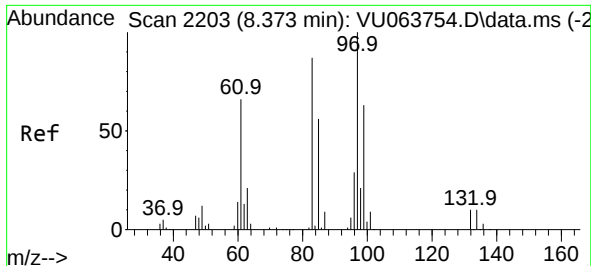
Tgt Ion: 75 Resp: 153497

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 49.103 ug/L

RT: 8.373 min Scan# 2203

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion: 97 Resp: 137577

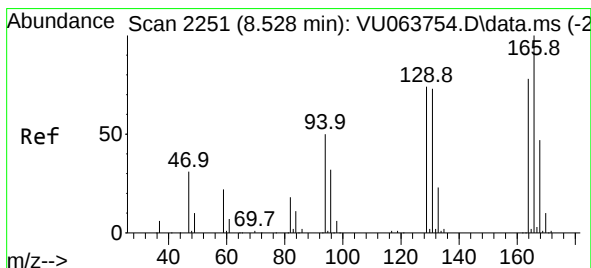
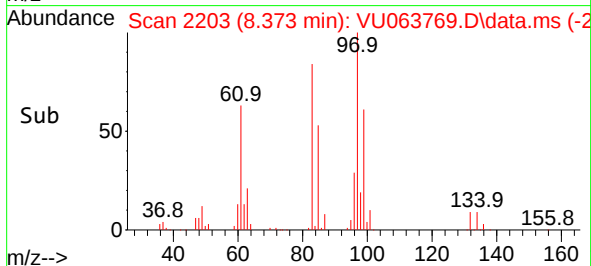
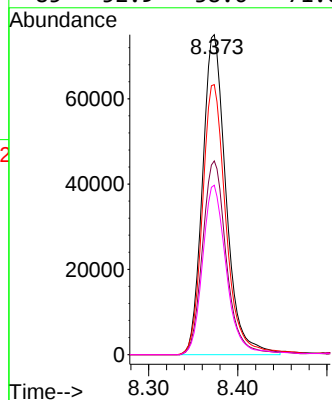
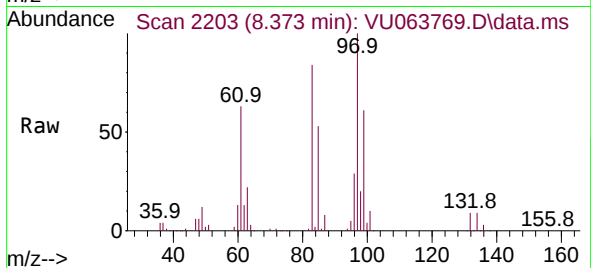
Ion Ratio Lower Upper

97 100

99 60.5 43.7 81.1

83 84.4 59.7 110.9

85 52.9 38.6 71.6



#46

Tetrachloroethene

Concen: 47.260 ug/L

RT: 8.528 min Scan# 2251

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion: 164 Resp: 106214

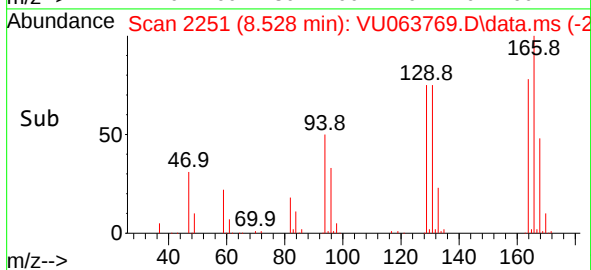
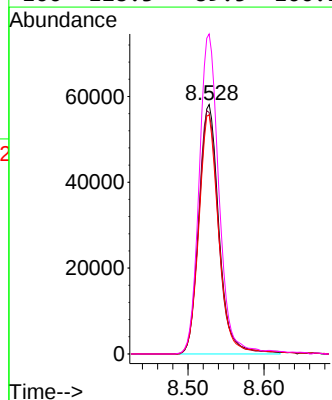
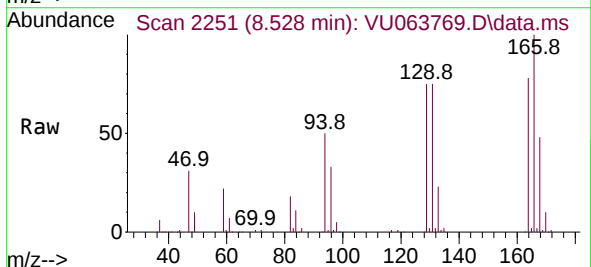
Ion Ratio Lower Upper

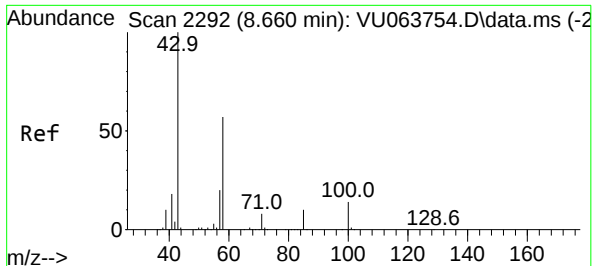
164 100

129 96.8 68.5 127.3

131 95.9 64.3 119.3

166 128.3 89.5 166.1

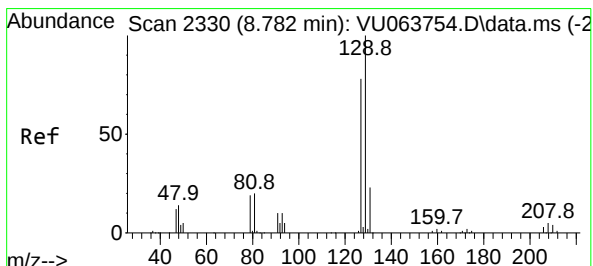
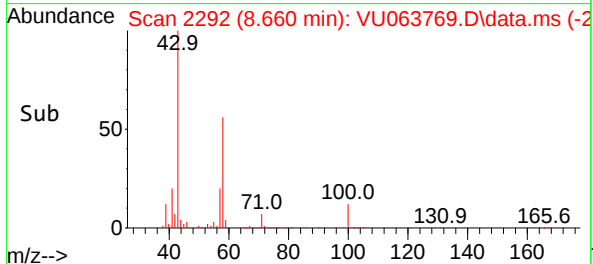
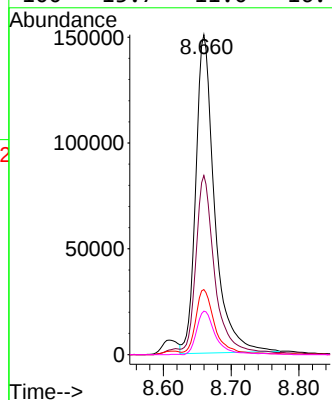
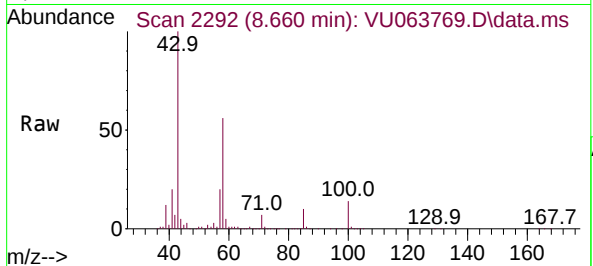




#48
2-Hexanone
Concen: 96.382 ug/L
RT: 8.660 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

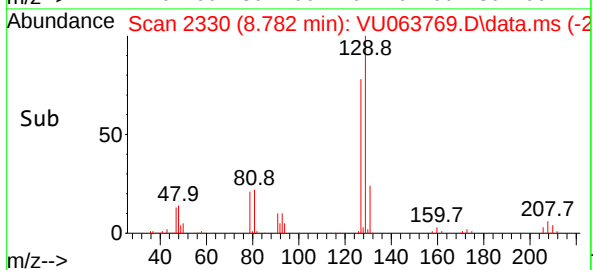
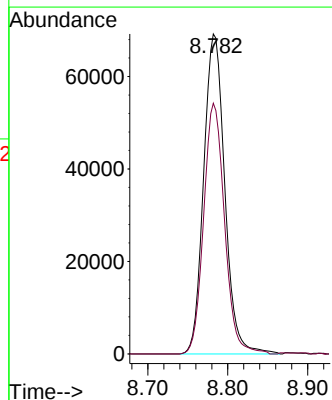
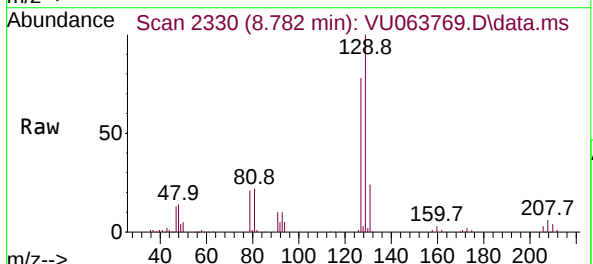
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

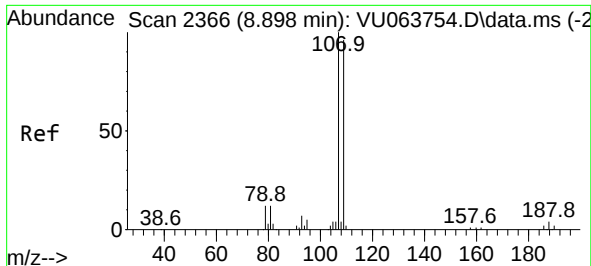
Tgt Ion:	43	Resp:	290095
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.8	67.2
57	19.8	16.6	24.8
100	13.7	11.0	16.4



#49
Dibromochloromethane
Concen: 46.881 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:	129	Resp:	126850
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.4	99.2





#50

1,2-Dibromoethane

Concen: 47.915 ug/L

RT: 8.898 min Scan# 2366

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

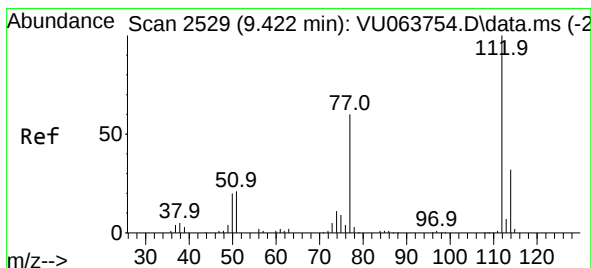
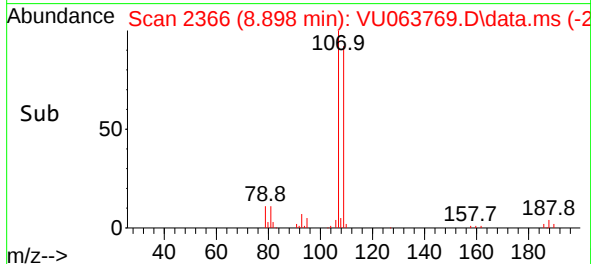
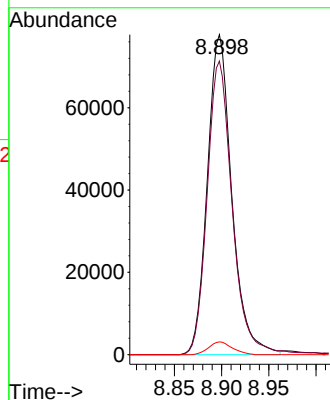
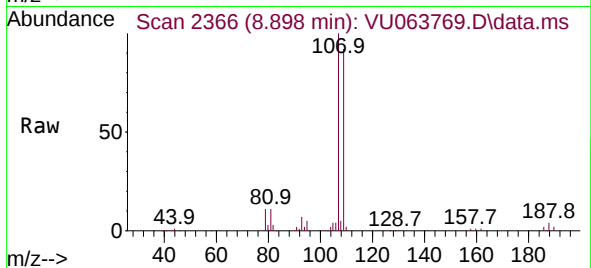
Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD

Tgt Ion:	107	Resp:	140914
Ion Ratio	Lower	Upper	
107	100		
109	91.7	65.8	122.2
188	4.0	3.2	4.8



#51

Chlorobenzene

Concen: 48.125 ug/L

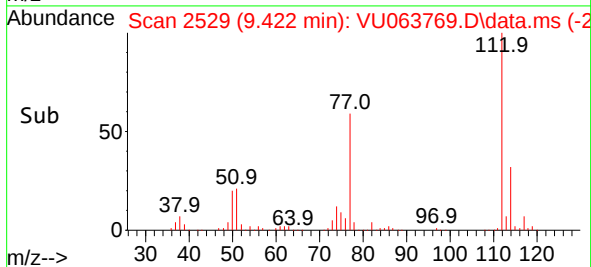
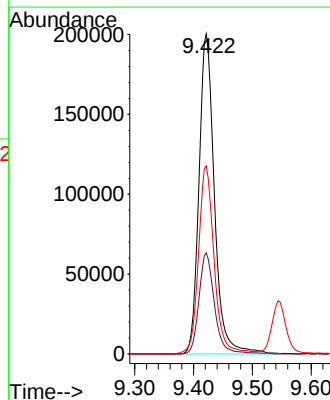
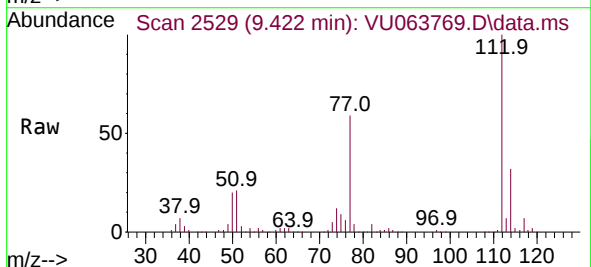
RT: 9.422 min Scan# 2529

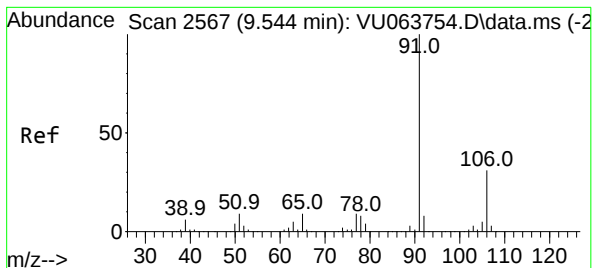
Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion:	112	Resp:	365504
Ion Ratio	Lower	Upper	
112	100		
114	31.6	22.1	41.1
77	58.8	48.0	72.0





#52

Ethylbenzene

Concen: 47.636 ug/L

RT: 9.544 min Scan# 2567

Delta R.T. 0.000 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion: 91 Resp: 622514

Ion Ratio Lower Upper

91 100

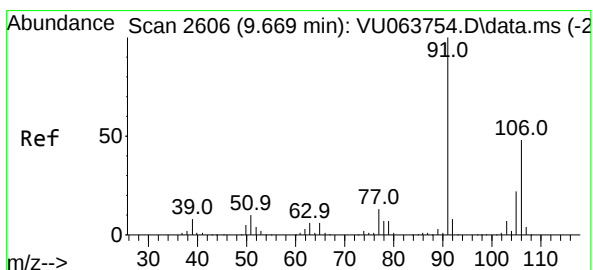
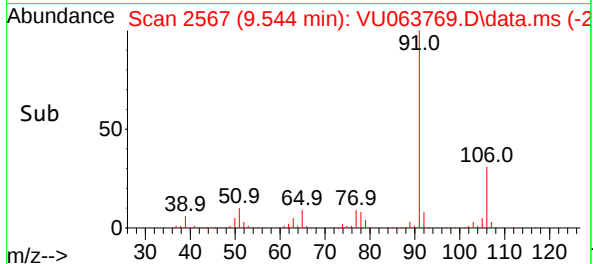
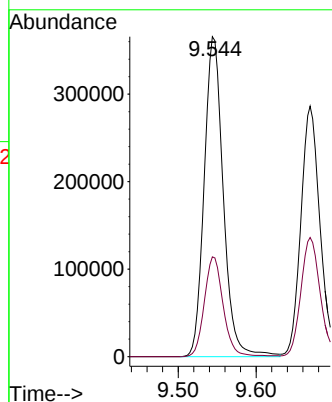
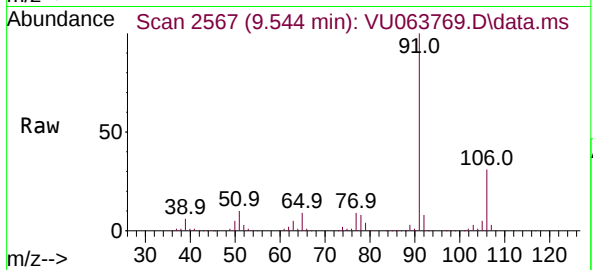
106 31.2 21.3 39.6

Instrument :

MSVOA_U

ClientSampleId :

M-31SMSD



#53

m,p-Xylene

Concen: 48.216 ug/L

RT: 9.669 min Scan# 2606

Delta R.T. 0.000 min

Lab File: VU063769.D

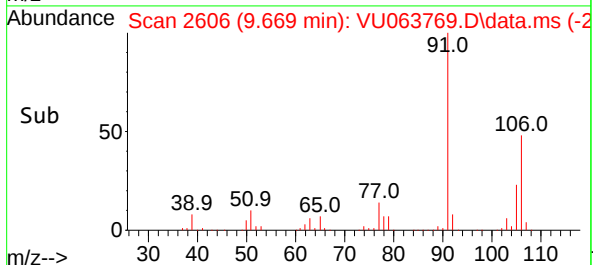
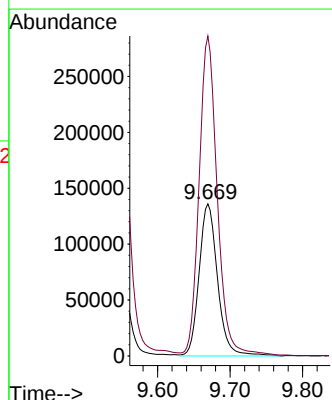
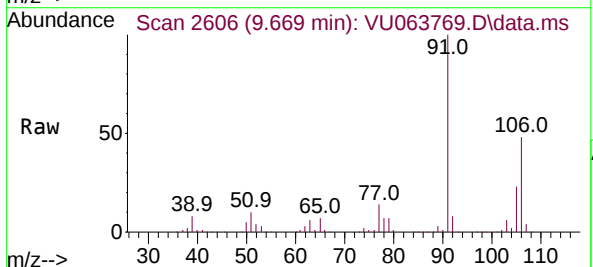
Acq: 21 Nov 2025 14:57

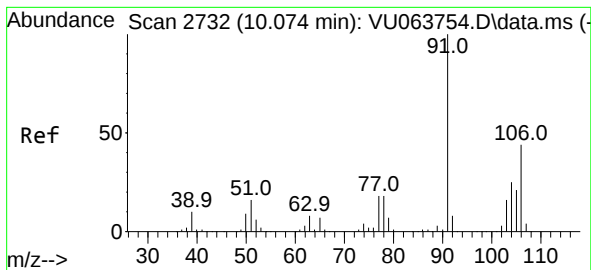
Tgt Ion:106 Resp: 240158

Ion Ratio Lower Upper

106 100

91 210.3 143.6 266.6

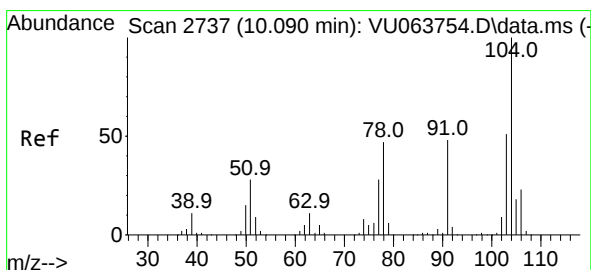
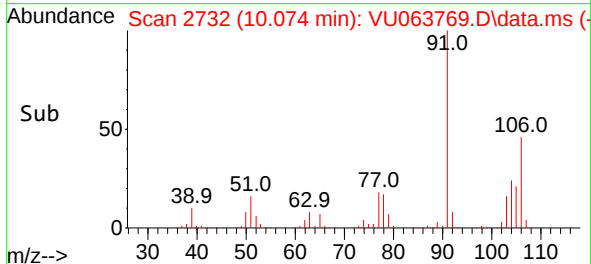
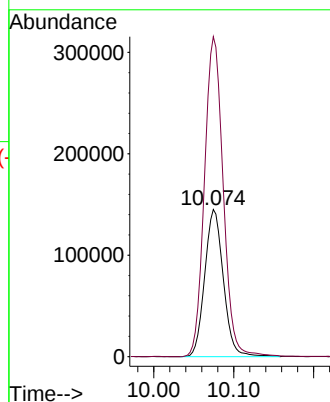
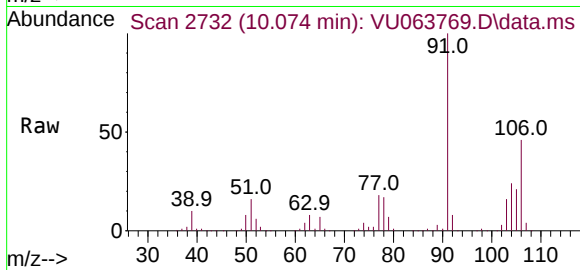




#54
o-Xylene
Concen: 48.349 ug/L
RT: 10.074 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

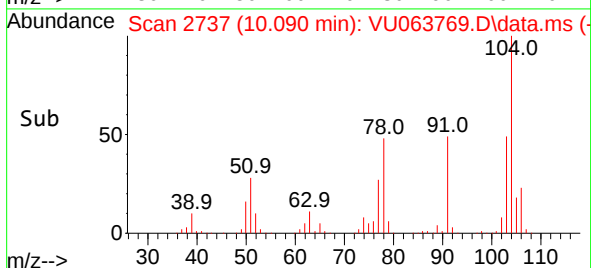
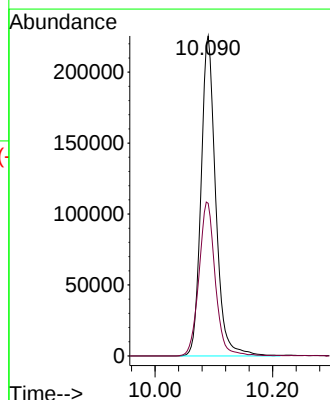
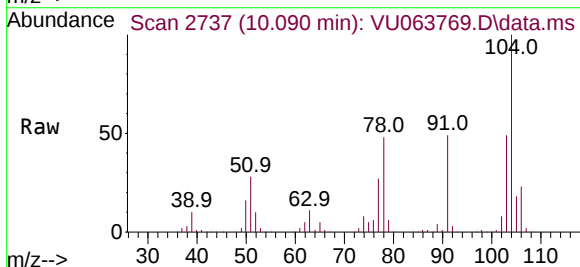
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

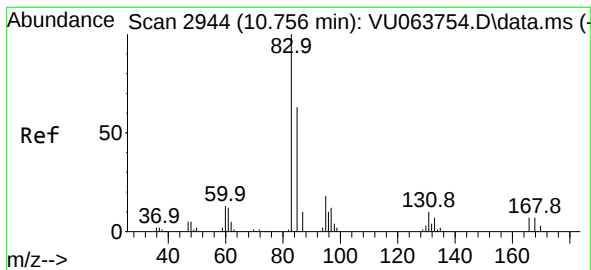
Tgt Ion:106 Resp: 234522
Ion Ratio Lower Upper
106 100
91 217.6 156.0 289.6



#55
Styrene
Concen: 49.699 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:104 Resp: 390606
Ion Ratio Lower Upper
104 100
78 47.7 32.0 59.4

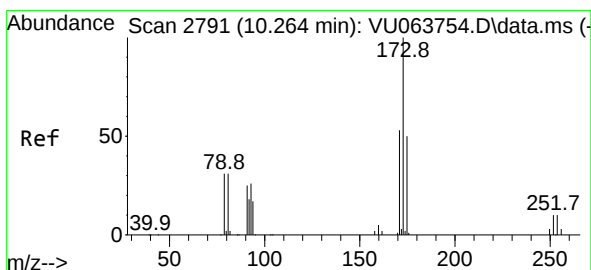
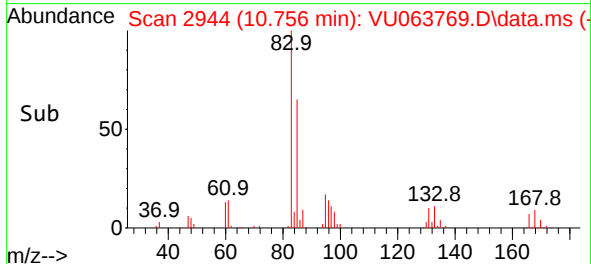
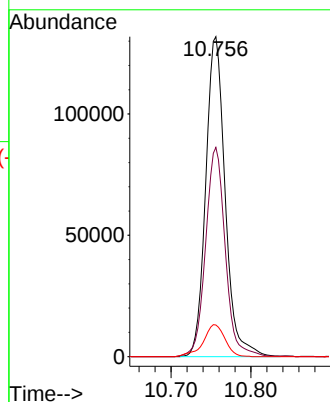
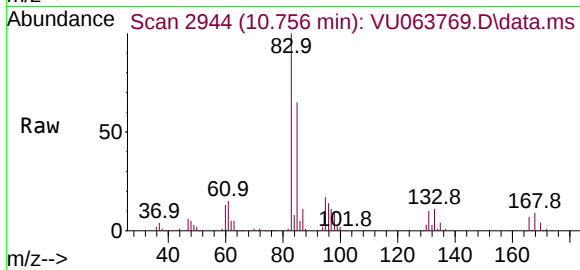




#57
1,1,2,2-Tetrachloroethane
Concen: 48.714 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

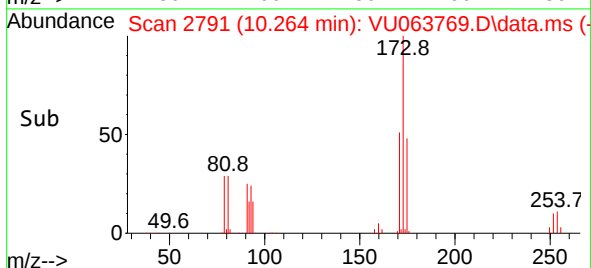
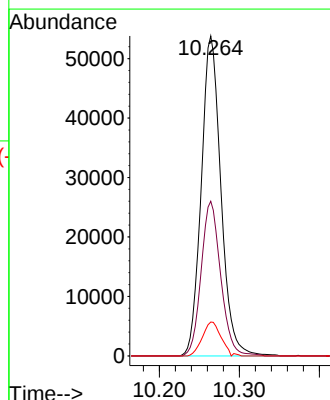
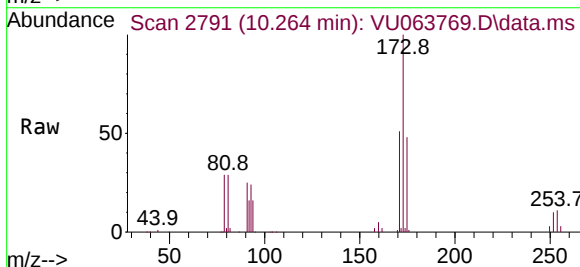
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

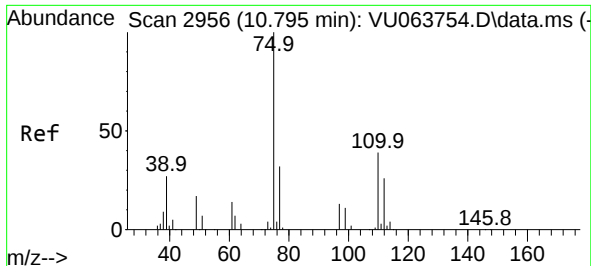
Tgt Ion: 83 Resp: 222297
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9
131 9.9 7.4 11.2



#59
Bromoform
Concen: 44.479 ug/L
RT: 10.264 min Scan# 2791
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:173 Resp: 91801
Ion Ratio Lower Upper
173 100
175 47.9 38.2 57.4
254 9.9 6.9 10.3

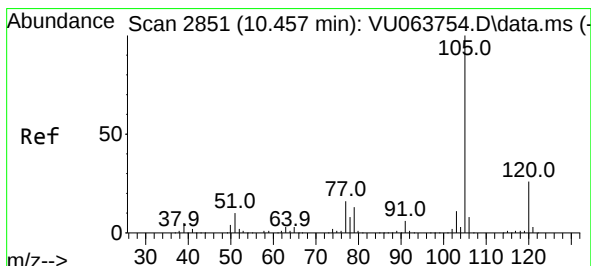
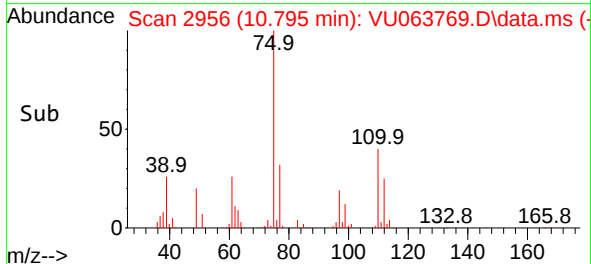
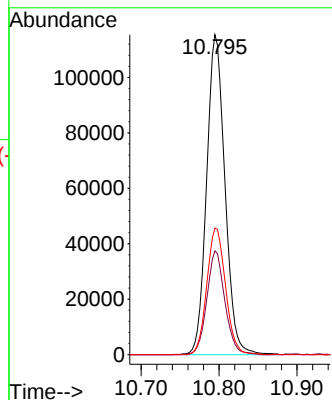
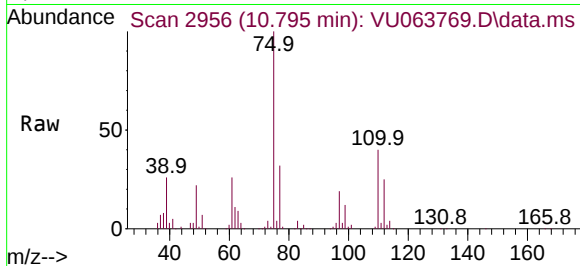




#60
1,2,3-Trichloropropane
Concen: 47.515 ug/L
RT: 10.795 min Scan# 2956
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

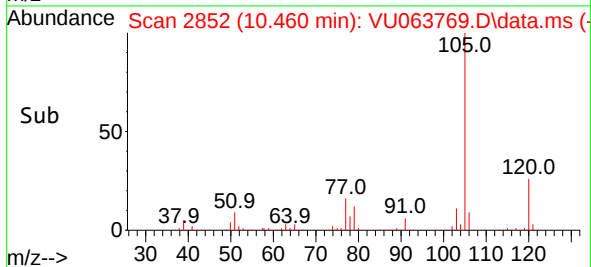
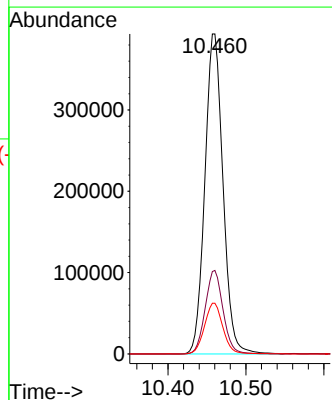
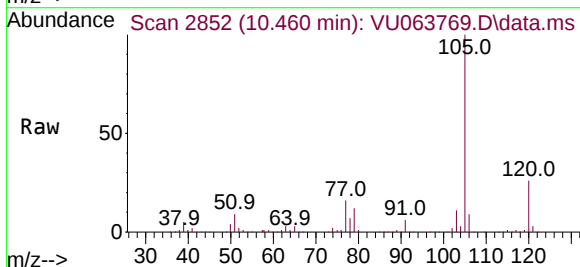
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

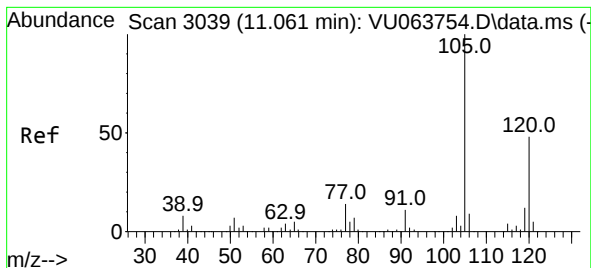
Tgt Ion: 75 Resp: 188477
Ion Ratio Lower Upper
75 100
77 31.9 26.1 39.1
110 40.3 32.3 48.5



#61
Isopropylbenzene
Concen: 46.299 ug/L
RT: 10.460 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 105 Resp: 634787
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 16.0 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 46.192 ug/L

RT: 11.061 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VU063769.D

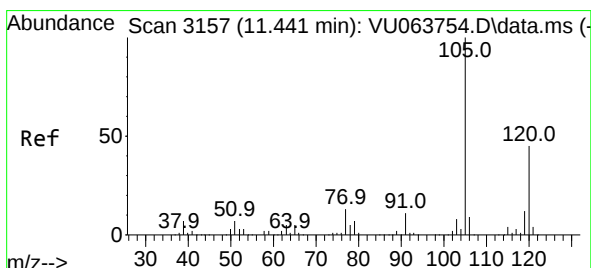
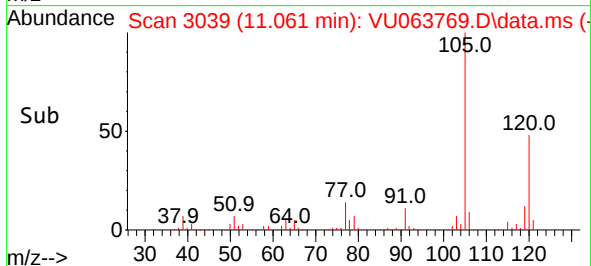
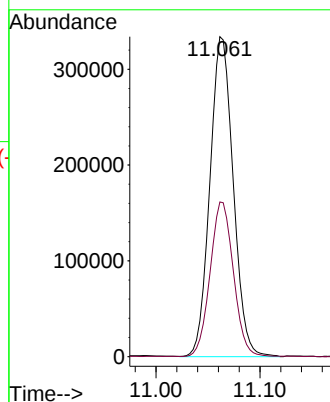
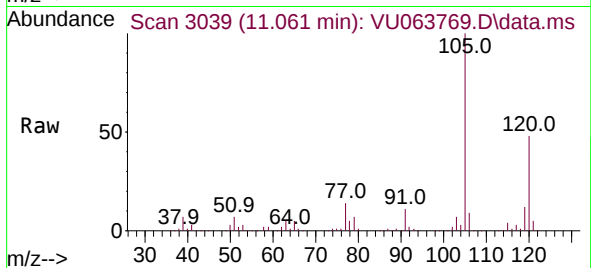
Acq: 21 Nov 2025 14:57

Tgt Ion:105 Resp: 520959

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 46.845 ug/L

RT: 11.444 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VU063769.D

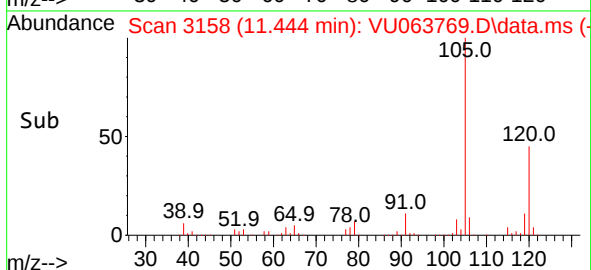
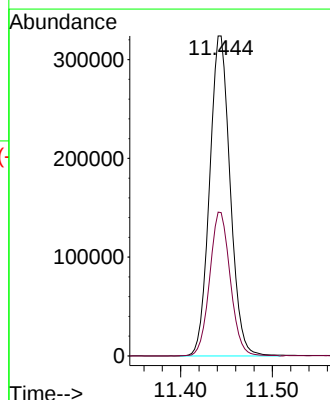
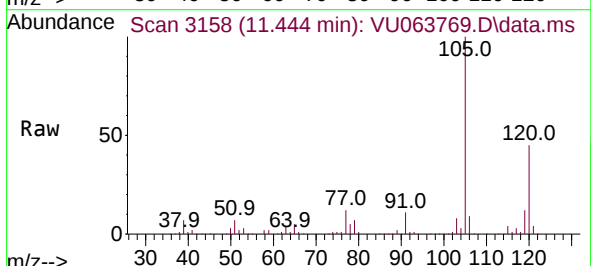
Acq: 21 Nov 2025 14:57

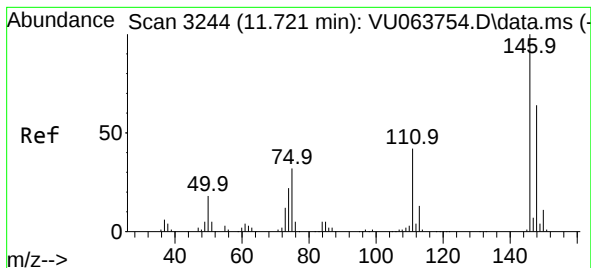
Tgt Ion:105 Resp: 504302

Ion Ratio Lower Upper

105 100

120 44.9 35.6 53.4

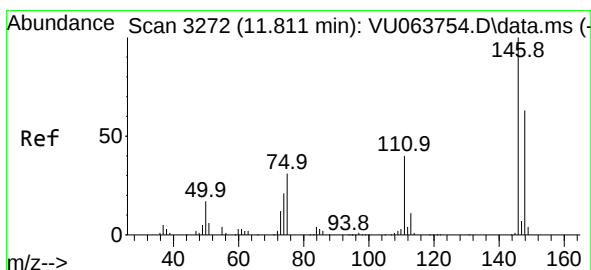
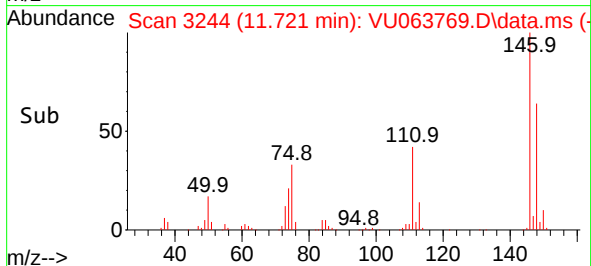
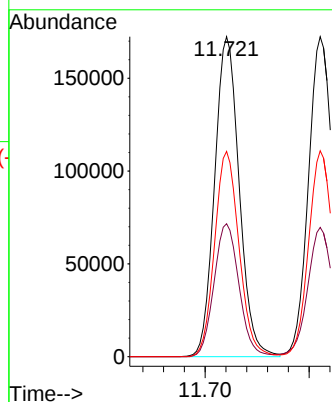
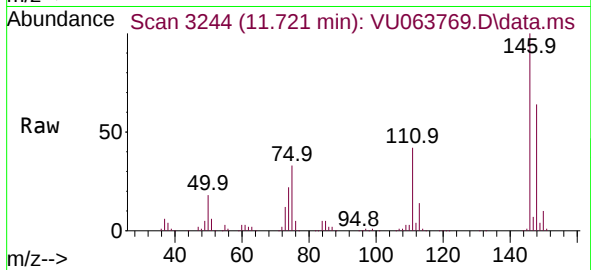




#64
1,3-Dichlorobenzene
Concen: 46.037 ug/L
RT: 11.721 min Scan# 3244
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

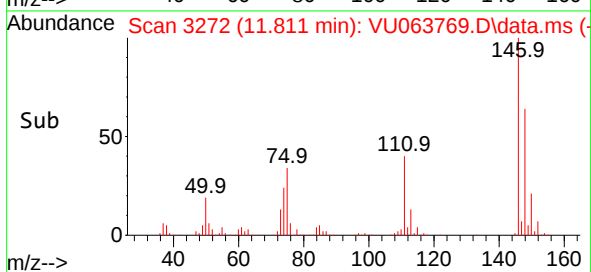
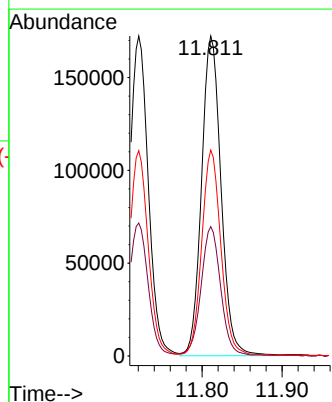
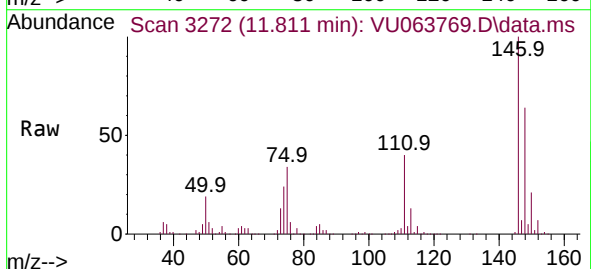
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

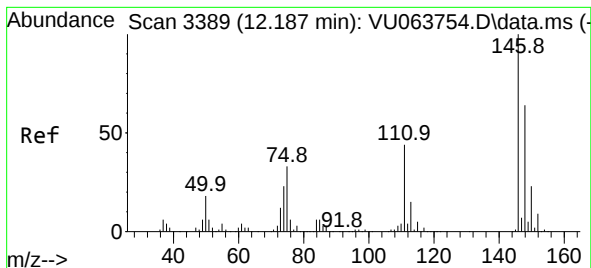
Tgt Ion:146 Resp: 282971
Ion Ratio Lower Upper
146 100
111 41.5 29.8 55.3
148 64.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 46.296 ug/L
RT: 11.811 min Scan# 3272
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:146 Resp: 291460
Ion Ratio Lower Upper
146 100
111 40.4 28.8 53.4
148 64.4 44.9 83.3

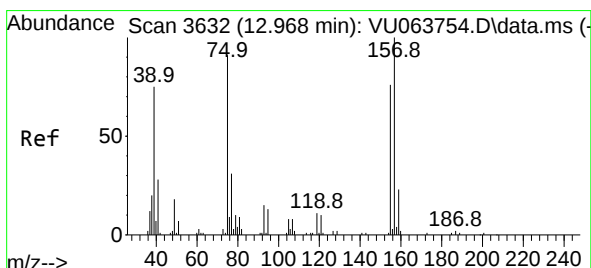
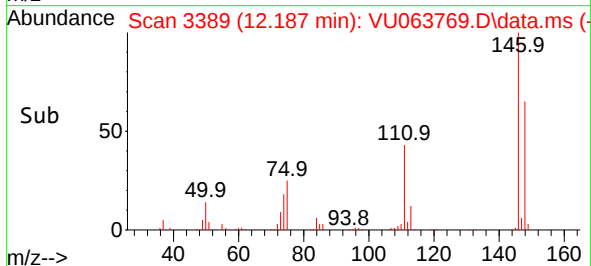
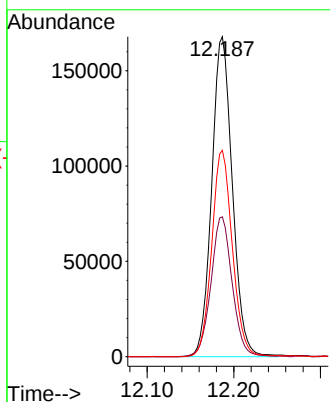
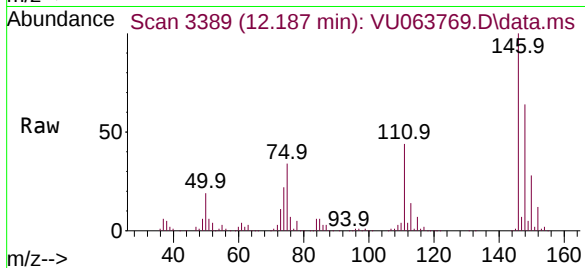




#67
1,2-Dichlorobenzene
Concen: 46.592 ug/L
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

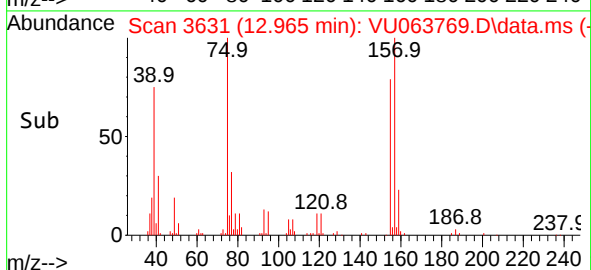
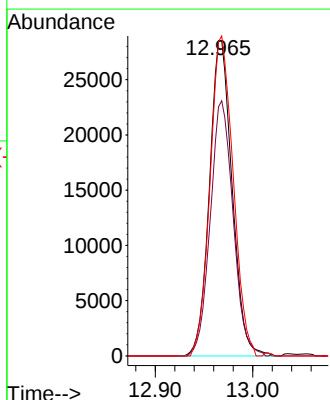
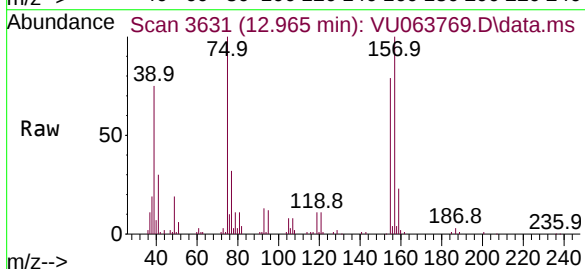
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

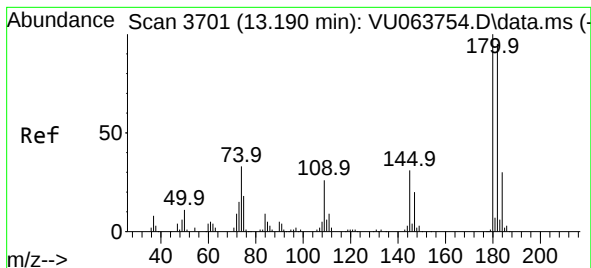
Tgt Ion:146 Resp: 277649
Ion Ratio Lower Upper
146 100
111 43.7 34.2 51.4
148 64.5 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 47.107 ug/L
RT: 12.965 min Scan# 3631
Delta R.T. -0.003 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion: 75 Resp: 46141
Ion Ratio Lower Upper
75 100
155 82.6 64.6 97.0
157 99.7 78.8 118.2





#69

1,3,5-Trichlorobenzene

Concen: 47.045 ug/L

RT: 13.193 min Scan# 3702

Delta R.T. 0.003 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

Tgt Ion:180 Resp: 195440

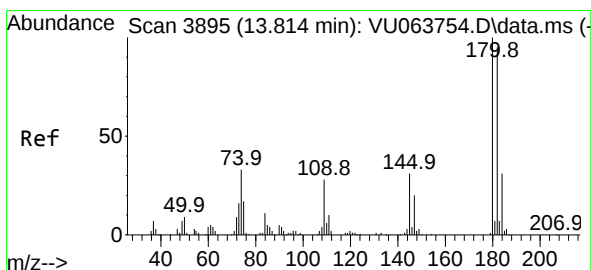
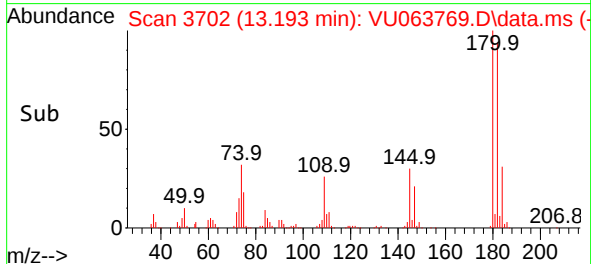
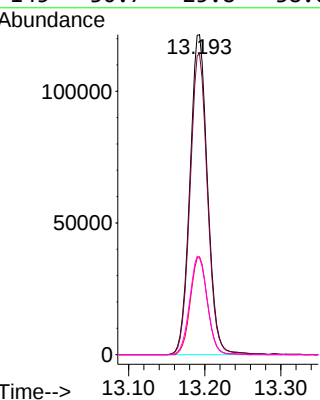
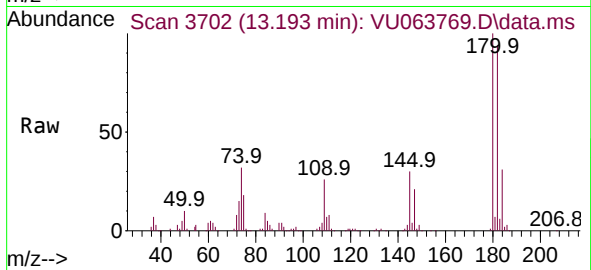
Ion Ratio Lower Upper

180 100

182 93.3 76.4 114.6

184 29.4 24.4 36.6

145 30.7 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 47.558 ug/L

RT: 13.811 min Scan# 3894

Delta R.T. -0.003 min

Lab File: VU063769.D

Acq: 21 Nov 2025 14:57

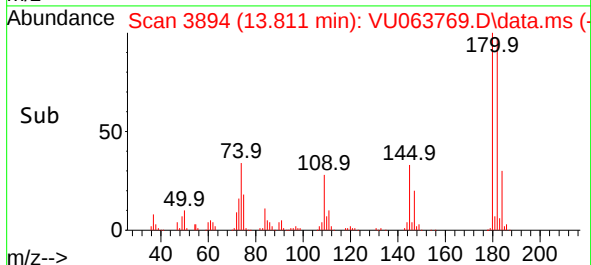
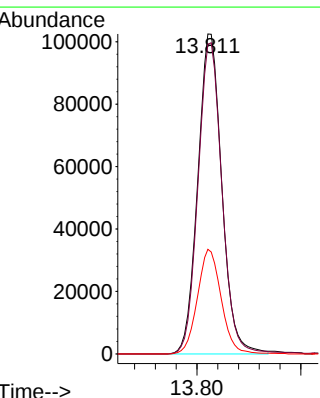
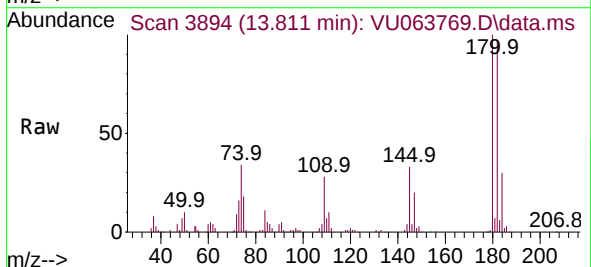
Tgt Ion:180 Resp: 164746

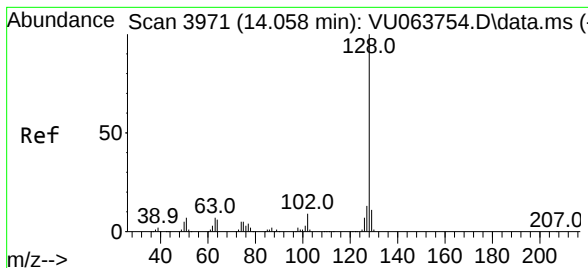
Ion Ratio Lower Upper

180 100

182 97.1 75.8 113.8

145 32.2 25.7 38.5

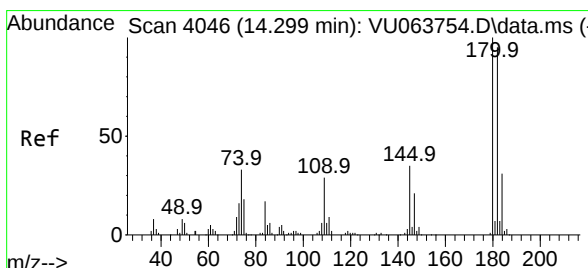
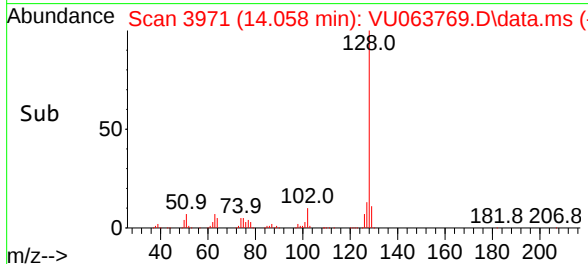
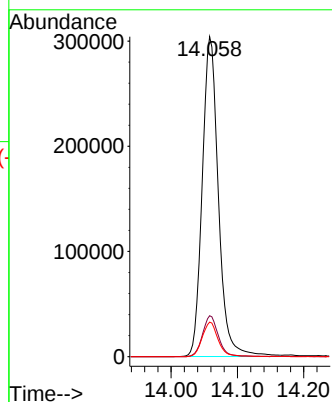
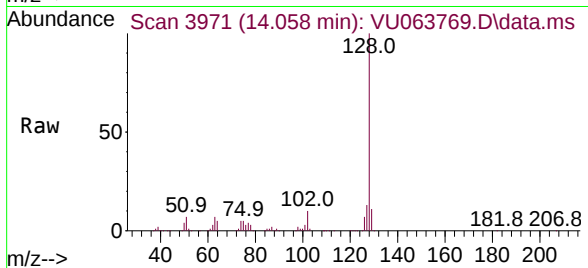




#71
Naphthalene
Concen: 55.819 ug/L
RT: 14.058 min Scan# 3971
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

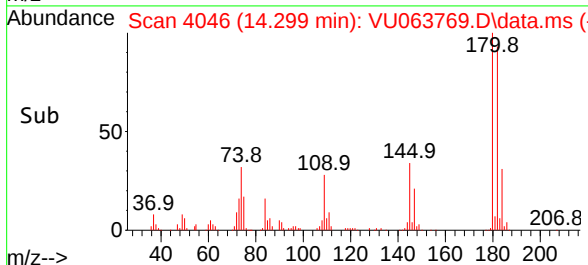
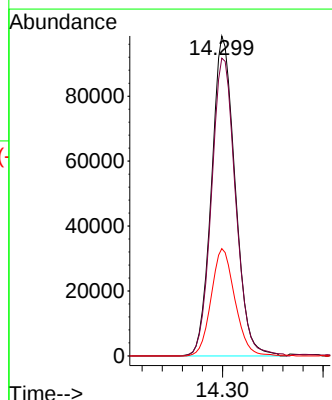
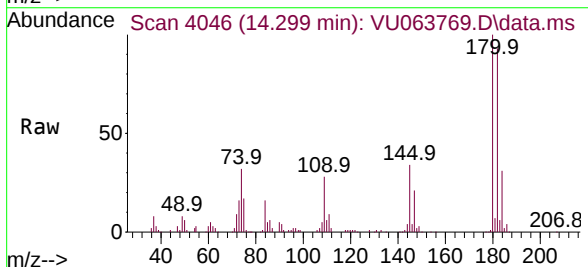
Instrument :
MSVOA_U
ClientSampleId :
M-31SMSD

Tgt Ion:128	Resp: 514590
Ion Ratio	Lower Upper
128 100	
127 12.6	10.3 15.5
129 10.5	8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 48.787 ug/L
RT: 14.299 min Scan# 4046
Delta R.T. 0.000 min
Lab File: VU063769.D
Acq: 21 Nov 2025 14:57

Tgt Ion:180	Resp: 160182
Ion Ratio	Lower Upper
180 100	
182 95.2	76.9 115.3
145 33.8	26.6 39.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063769.D
 Acq On : 21 Nov 2025 14:57
 Operator : MD/SY
 Sample : Q3688-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMSD

Quant Time: Nov 21 22:31:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	339324	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	334237	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	181741	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	124914	42.630	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.260%		
7) Chloroethane-d5	1.891	69	99438	44.048	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.100%		
11) 1,1-Dichloroethene-d2	2.541	63	229971	45.278	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.560%		
21) 2-Butanone-d5	4.596	46	155036	92.809	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.810%		
24) Chloroform-d	5.030	84	233372	47.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.940%		
26) 1,2-Dichloroethane-d4	5.669	65	152759	47.253	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.500%		
32) Benzene-d6	5.695	84	429045	43.793	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.580%		
36) 1,2-Dichloropropane-d6	6.660	67	129795	45.128	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.260%		
41) Toluene-d8	7.872	98	417615	44.895	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.780%		
43) trans-1,3-Dichloroprop...	8.155	79	50132	42.179	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.360%		
47) 2-Hexanone-d5	8.608	63	97802	93.527	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.530%		
56) 1,1,2,2-Tetrachloroeth...	10.730	84	200020	47.556	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.120%		
66) 1,2-Dichlorobenzene-d4	12.168	152	157766	45.985	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	93673	47.433	ug/L	98
3) Chloromethane	1.509	50	101061	45.229	ug/L	100
5) Vinyl chloride	1.589	62	125800	48.422	ug/L	100
6) Bromomethane	1.837	94	84453	51.296	ug/L	99
8) Chloroethane	1.914	64	86157	49.683	ug/L	100
9) Trichlorofluoromethane	2.116	101	205086	50.050	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	116420	48.071	ug/L	98
12) 1,1-Dichloroethene	2.554	96	106170	47.933	ug/L	91
13) Acetone	2.602	43	129402	57.238	ug/L	99
14) Carbon disulfide	2.766	76	242999	42.117	ug/L	99
15) Methyl Acetate	2.927	43	131961	48.608	ug/L	99
16) Methylene chloride	3.014	84	124889	48.366	ug/L	98
17) trans-1,2-Dichloroethene	3.322	96	113141	47.910	ug/L	95
18) Methyl tert-butyl Ether	3.335	73	380824	47.649	ug/L	100
19) 1,1-Dichloroethane	3.833	63	217843	47.872	ug/L	99
20) cis-1,2-Dichloroethene	4.634	96	137463	50.569	ug/L	96
22) 2-Butanone	4.673	43	180590	71.902	ug/L	98
23) Bromochloromethane	4.943	128	68883	49.288	ug/L	96
25) Chloroform	5.055	83	244947	49.729	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063769.D
 Acq On : 21 Nov 2025 14:57
 Operator : MD/SY
 Sample : Q3688-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMSD

Quant Time: Nov 21 22:31:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	199616	49.643	ug/L	100
29) Cyclohexane	5.354	56	194837	46.331	ug/L	95
30) 1,1,1-Trichloroethane	5.284	97	201082	47.114	ug/L	99
31) Carbon tetrachloride	5.493	117	158715	47.293	ug/L	98
33) Benzene	5.743	78	498474	48.898	ug/L	100
34) Trichloroethene	6.515	95	141520	48.155	ug/L	98
35) Methylcyclohexane	6.734	83	200461	46.466	ug/L	96
37) 1,2-Dichloropropane	6.759	63	128858	48.639	ug/L	99
38) Bromodichloromethane	7.078	83	173773	47.900	ug/L	96
39) cis-1,3-Dichloropropene	7.579	75	173909	44.263	ug/L	99
40) 4-Methyl-2-pentanone	7.763	43	376367	98.146	ug/L	99
42) Toluene	7.943	91	543735	48.313	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	153497	44.756	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	137577	49.103	ug/L	98
46) Tetrachloroethene	8.528	164	106214	47.260	ug/L	98
48) 2-Hexanone	8.660	43	290095	96.382	ug/L	99
49) Dibromochloromethane	8.782	129	126850	46.881	ug/L	98
50) 1,2-Dibromoethane	8.898	107	140914	47.915	ug/L	98
51) Chlorobenzene	9.422	112	365504	48.125	ug/L	99
52) Ethylbenzene	9.544	91	622514	47.636	ug/L	99
53) m,p-Xylene	9.669	106	240158	48.216	ug/L	97
54) o-Xylene	10.074	106	234522	48.349	ug/L	97
55) Styrene	10.090	104	390606	49.699	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	222297	48.714	ug/L	100
59) Bromoform	10.264	173	91801	44.479	ug/L	99
60) 1,2,3-Trichloropropane	10.795	75	188477	47.515	ug/L	99
61) Isopropylbenzene	10.460	105	634787	46.299	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	520959	46.192	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	504302	46.845	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	282971	46.037	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	291460	46.296	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	277649	46.592	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.965	75	46141	47.107	ug/L	98
69) 1,3,5-Trichlorobenzene	13.193	180	195440	47.045	ug/L	98
70) 1,2,4-trichlorobenzene	13.811	180	164746	47.558	ug/L	98
71) Naphthalene	14.058	128	514590	55.819	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	160182	48.787	ug/L	99

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