

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063668.D
 Acq On : 05 Nov 2025 11:46
 Operator : MD/SY
 Sample : VU1105WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBL01

Quant Time: Nov 06 03:59:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.081	96	57042	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	23673	0.917	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	21388	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
3) Chloromethane	1.505	50	1725	0.085	ug/l	# 87
4) Vinyl Chloride	1.776	62	218	0.011	ug/l	# 69
5) Bromomethane	1.888	94	108	0.009	ug/l	# 98
6) Chloroethane	1.911	64	51	0.004	ug/l	# 21
7) Trichlorofluoromethane	2.120	101	43	0.001	ug/l	# 18
9) 1,1-Dichloroethene	2.554	96	374	0.024	ug/l	# 56
10) Iodomethane	2.695	142	937	0.041	ug/l	# 74
11) Allyl Chloride	3.065	41	117	0.005	ug/l	# 95
12) Acrylonitrile	3.267	53	103	0.027	ug/l	# 1
13) Acetone	2.605	43	1118	0.166	ug/l	# 95
14) Carbon Disulfide	2.763	76	833	0.019	ug/l	# 83
15) Methylene Chloride	3.010	84	1395	0.071	ug/l	# 93
16) trans-1,2-Dichloroethene	3.309	96	303	0.018	ug/l	# 38
17) 1,1-Dichloroethane	3.837	63	303	0.009	ug/l	# 26
18) 2-Butanone	4.673	43	427	0.060	ug/l	# 77
19) Cyclohexane	5.332	56	91	0.004	ug/l	# 1
20) Methylcyclohexane	6.730	83	65	0.002	ug/l	# 1
21) 2,2-Dichloropropane	4.708	77	367	0.012	ug/l	# 95
22) cis-1,2-Dichloroethene	4.470	96	151	0.008	ug/l	# 58
25) Methyl tert-Butyl Ether	3.335	73	225	0.005	ug/l	# 1
26) Bromochloromethane	4.943	128	222	0.027	ug/l	# 1
27) Chloroform	5.058	83	930	0.027	ug/l	# 90
28) 1,1,1-Trichloroethane	5.271	97	363	0.012	ug/l	# 27
29) 1,1-Dichloropropene	5.476	75	105	0.004	ug/l	# 27
30) Carbon Tetrachloride	5.483	117	147	0.006	ug/l	# 31
31) Isopropyl Ether	4.010	45	285	0.005	ug/l	# 72
32) Ethyl-t-butyl ether	4.473	59	20	0.000	ug/l	# 34
33) Tert-Amyl methyl ether	6.074	73	814	0.018	ug/l	# 47
34) Propionitrile	4.743	54	102	0.073	ug/l	# 1
35) Benzene	5.737	78	1060	0.015	ug/l	# 1
36) 1,2-Dichloroethane	5.766	62	74	0.003	ug/l	# 76
37) Trichloroethene	6.496	130	42	0.002	ug/l	# 90
38) 1,2-Dichloropropane	6.759	63	40	0.002	ug/l	# 44
39) Methacrylonitrile	4.936	41	178	0.026	ug/l	# 8
40) Methyl acrylate	4.837	55	173	0.017	ug/l	# 1
41) Tetrahydrofuran	5.029	42	471	0.151	ug/l	# 57
42) 1-Chlorobutane	5.586	56	229	0.007	ug/l	# 97
44) Bromodichloromethane	7.081	83	40	0.002	ug/l	# 25
45) 4-Methyl-2-Pentanone	7.791	43	962	0.077	ug/l	# 81
47) Methyl methacrylate	6.939	69	89	0.009	ug/l	# 1
48) Ethyl methacrylate	8.386	69	142	0.007	ug/l	# 80
49) Toluene	7.946	92	398	0.008	ug/l	# 91
50) t-1,3-Dichloropropene	8.190	75	108	0.005	ug/l	# 96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063668.D
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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

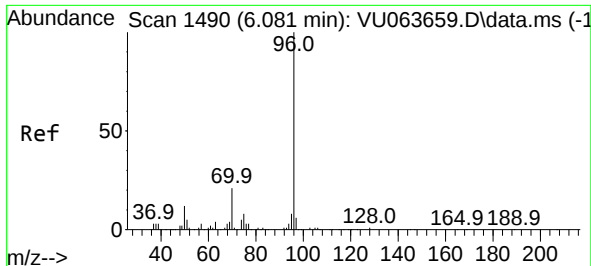
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBL01

Quant Time: Nov 06 03:59:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

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

51) cis-1,3-Dichloropropene	7.595	75	91	0.003	ug/l #	16
52) 1,1,2-Trichloroethane	8.389	97	75	0.005	ug/l #	15
53) 1,3-Dichloropropane	8.553	76	132	0.005	ug/l #	1
54) 2-Hexanone	8.679	43	1135	0.107	ug/l	94
58) Tetrachloroethene	8.531	164	20	0.001	ug/l #	25
59) Chlorobenzene	9.434	112	528	0.010	ug/l #	42
63) Ethyl Benzene	9.547	91	985	0.010	ug/l #	84
64) m/p-Xylenes	9.666	106	846	0.024	ug/l	79
65) o-Xylene	10.077	106	420	0.012	ug/l	94
66) Styrene	10.106	104	553	0.010	ug/l #	77
69) Isopropylbenzene	10.460	105	1093	0.013	ug/l	87
70) 1,1,2,2-Tetrachloroethane	10.766	83	98	0.006	ug/l #	26
72) Bromobenzene	10.762	156	239	0.012	ug/l	74
73) n-propylbenzene	10.878	120	498	0.020	ug/l	76
74) 2-Chlorotoluene	11.081	126	297	0.014	ug/l	1
75) 1,3,5-Trimethylbenzene	11.068	105	1137	0.014	ug/l	86
76) 4-Chlorotoluene	11.081	126	297	0.014	ug/l	1
77) tert-Butylbenzene	11.396	119	1021	0.013	ug/l #	68
78) 1,2,4-Trimethylbenzene	11.447	105	1961	0.026	ug/l	85
79) sec-Butylbenzene	11.618	105	2189	0.021	ug/l	99
81) p-Isopropyltoluene	11.769	119	2664	0.032	ug/l	96
82) 1,3-Dichlorobenzene	11.730	146	868	0.022	ug/l	96
83) 1,4-Dichlorobenzene	11.817	146	1164	0.029	ug/l	91
84) n-Butylbenzene	12.187	91	6194	0.083	ug/l	90
85) 1,2-Dichlorobenzene	12.187	146	836	0.022	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.820	180	3431	0.146	ug/l	97
88) Hexachlorobutadiene	13.994	225	614	0.044	ug/l #	89
90) 1,2,3-Trichlorobenzene	14.309	180	4017	0.188	ug/l	95

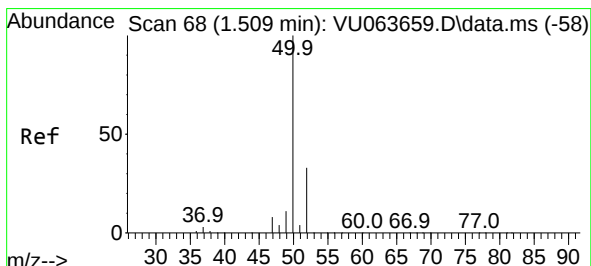
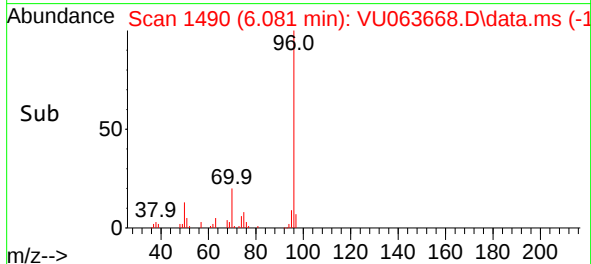
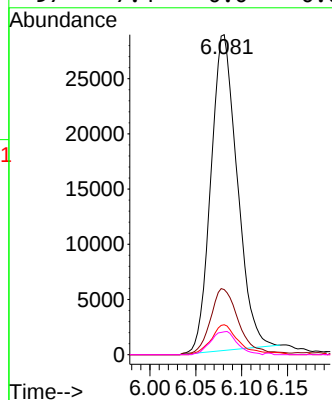
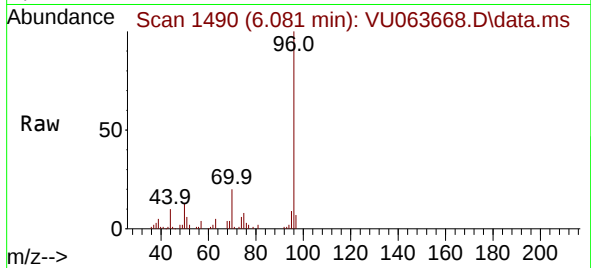
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

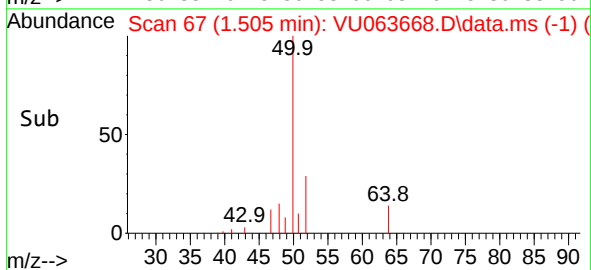
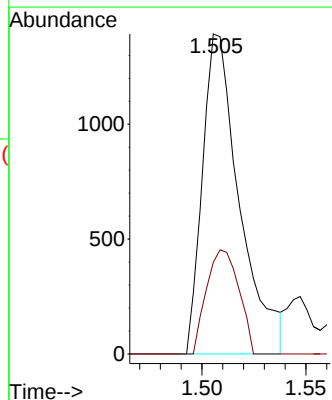
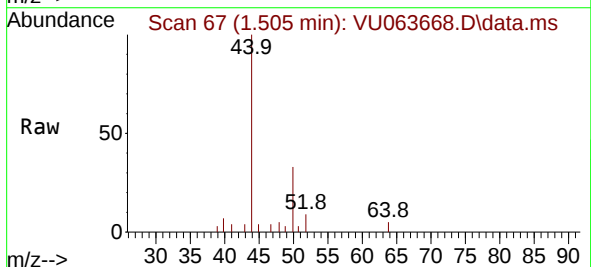
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

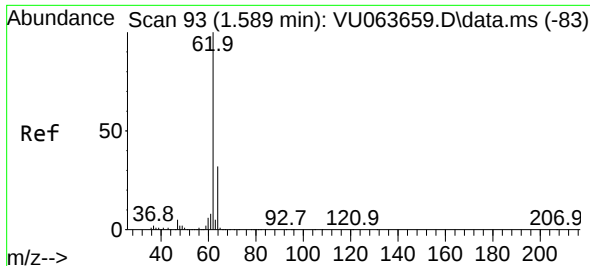
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Ion	Ratio	Lower	Upper
96	100		
70	21.8	15.3	22.9
95	10.1	6.5	9.7#
97	7.4	0.0	0.0#



#3
Chloromethane
Concen: 0.085 ug/l
RT: 1.505 min Scan# 67
Delta R.T. -0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:	50	Resp:	1725
Ion	Ratio	Lower	Upper
50	100		
52	26.1	26.6	40.0#

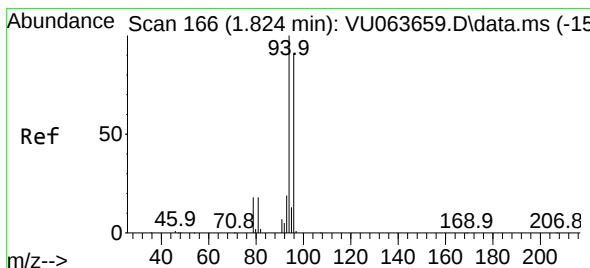
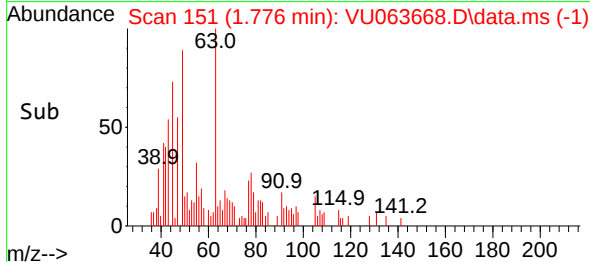
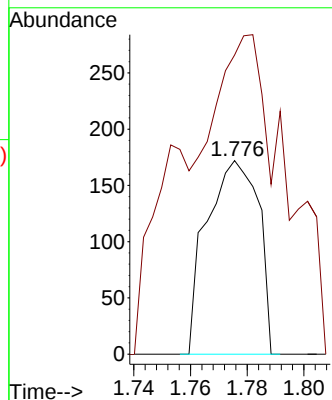
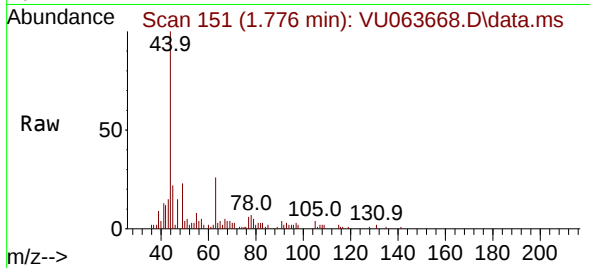




#4
 Vinyl Chloride
 Concen: 0.011 ug/l
 RT: 1.776 min Scan# 11
 Delta R.T. 0.186 min
 Lab File: VU063668.D
 Acq: 05 Nov 2025 11:46

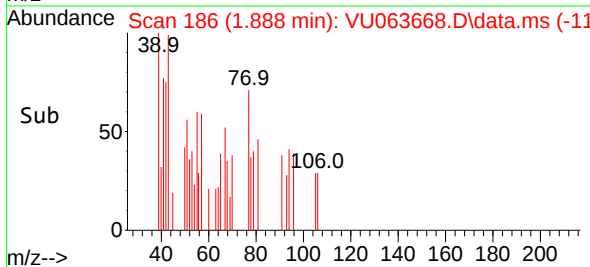
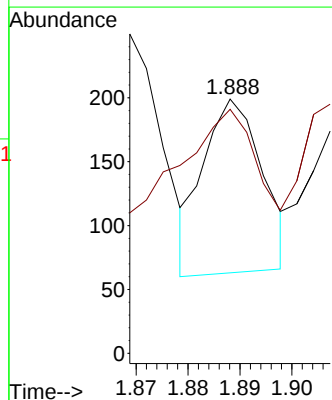
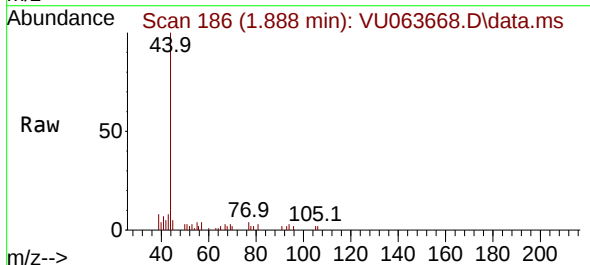
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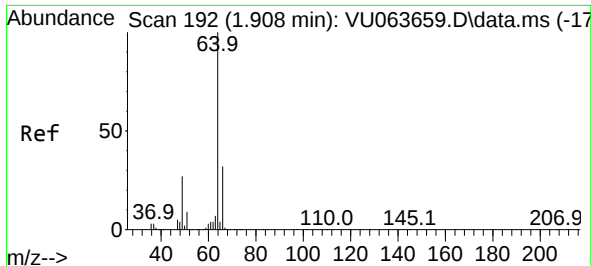
Tgt Ion: 62 Resp: 218
 Ion Ratio Lower Upper
 62 100
 64 48.8 25.2 37.8#



#5
 Bromomethane
 Concen: 0.009 ug/l
 RT: 1.888 min Scan# 186
 Delta R.T. 0.064 min
 Lab File: VU063668.D
 Acq: 05 Nov 2025 11:46

Tgt Ion: 94 Resp: 108
 Ion Ratio Lower Upper
 94 100
 96 89.8 73.0 109.6

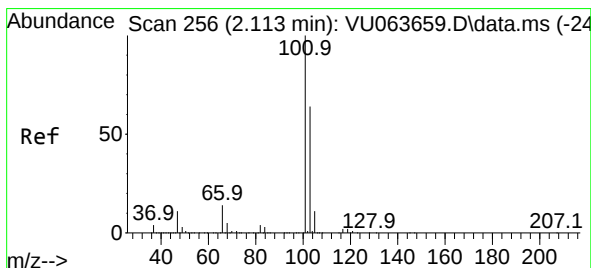
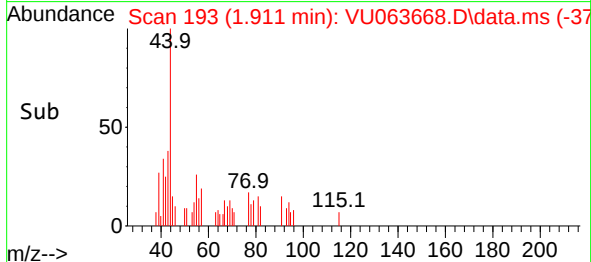
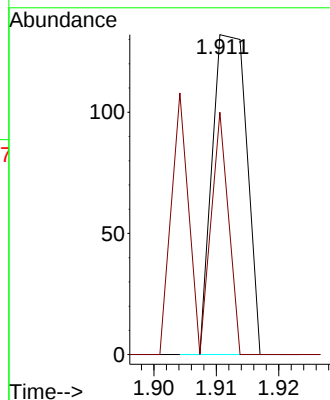
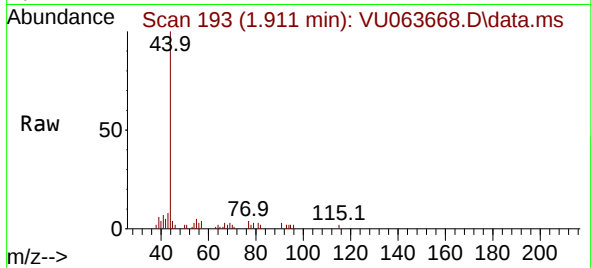




#6
Chloroethane
Concen: 0.004 ug/l
RT: 1.911 min Scan# 19
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

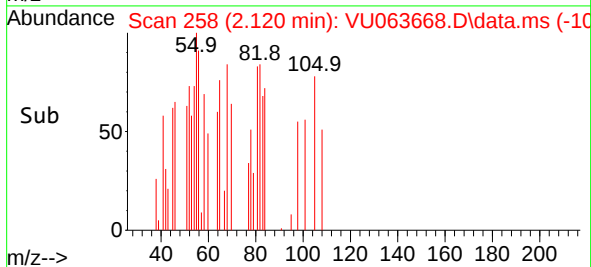
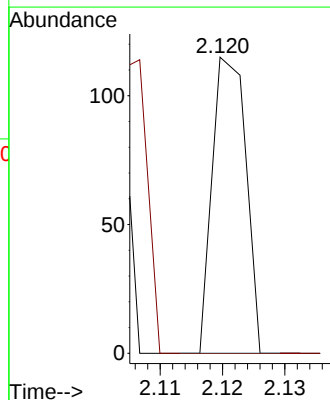
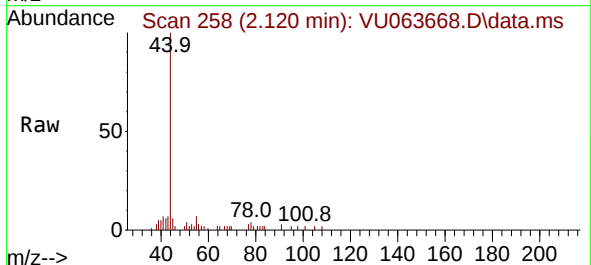
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ClientSampleId :
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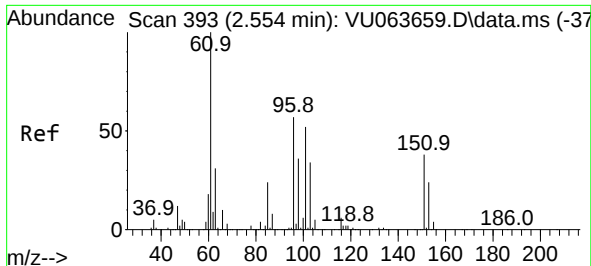
Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 75.8 25.4 38.2#



#7
Trichlorofluoromethane
Concen: 0.001 ug/l
RT: 2.120 min Scan# 258
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:101 Resp: 43
Ion Ratio Lower Upper
101 100
103 0.0 51.0 76.6#

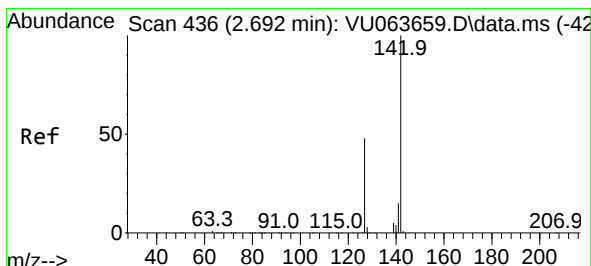
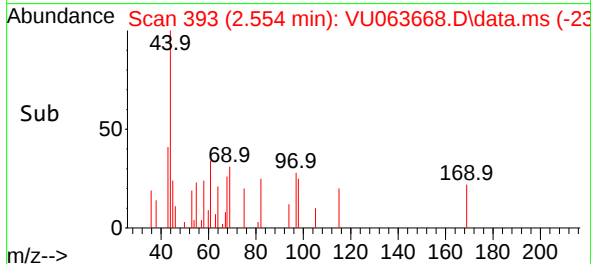
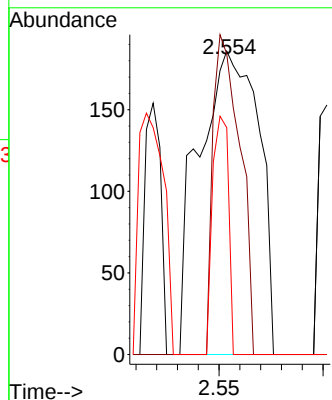
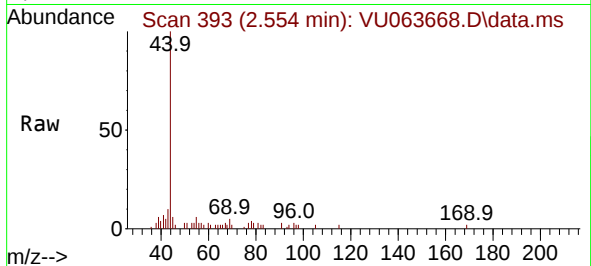




#9
1,1-Dichloroethene
Concen: 0.024 ug/l
RT: 2.554 min Scan# 393
Delta R.T. -0.000 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

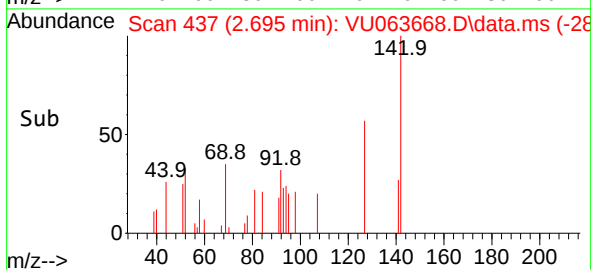
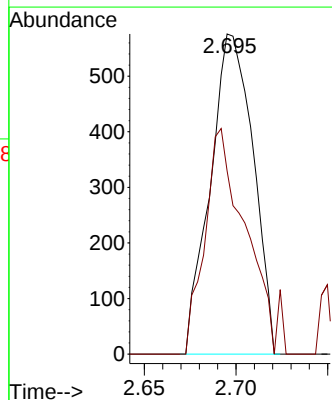
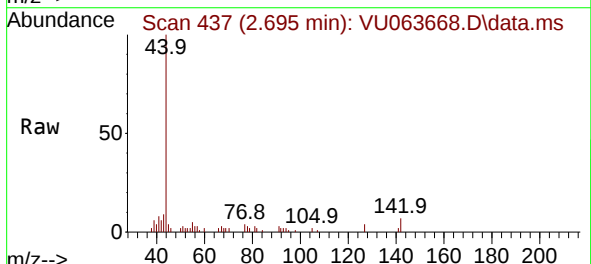
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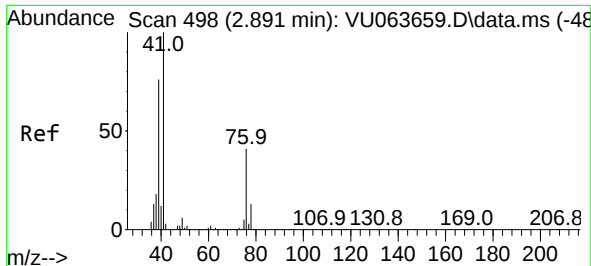
Tgt Ion: 96 Resp: 374
Ion Ratio Lower Upper
96 100
61 98.9 0.0 524.7
98 74.7 0.0 126.8



#10
Iodomethane
Concen: 0.041 ug/l
RT: 2.695 min Scan# 437
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 142 Resp: 937
Ion Ratio Lower Upper
142 100
127 65.7 38.6 58.0#

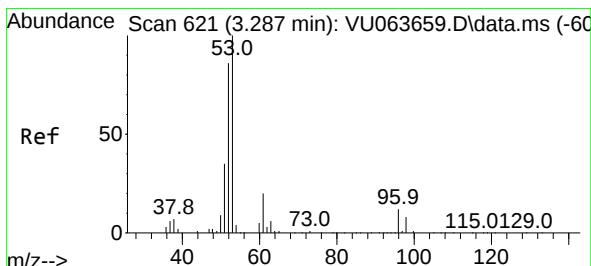
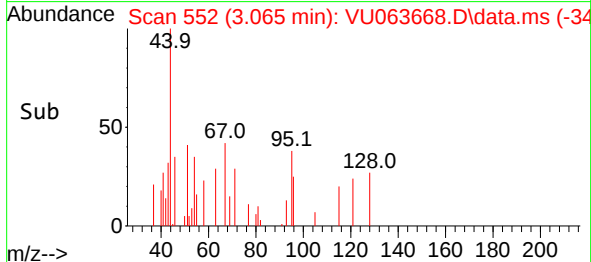
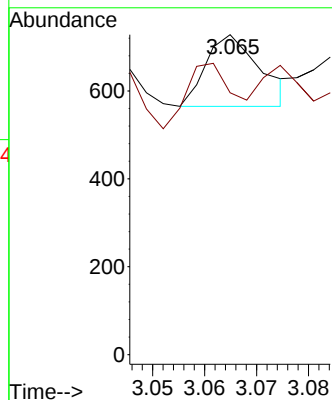
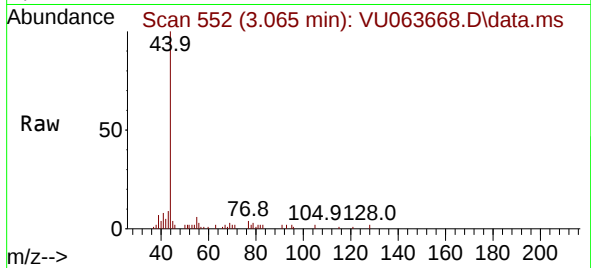




#11
 Allyl Chloride
 Concen: 0.005 ug/l
 RT: 3.065 min Scan# 511
 Delta R.T. 0.173 min
 Lab File: VU063668.D
 Acq: 05 Nov 2025 11:46

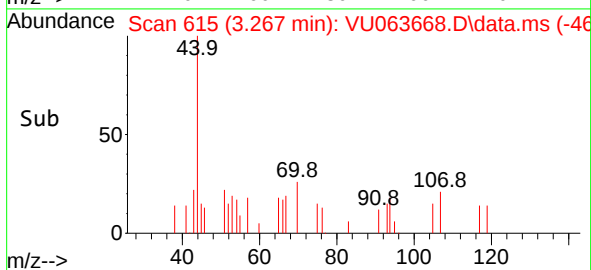
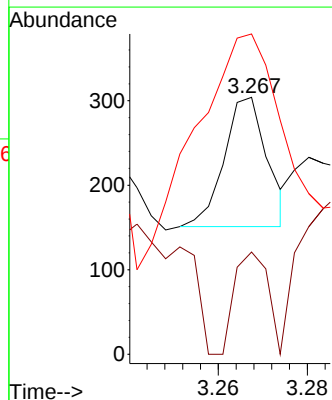
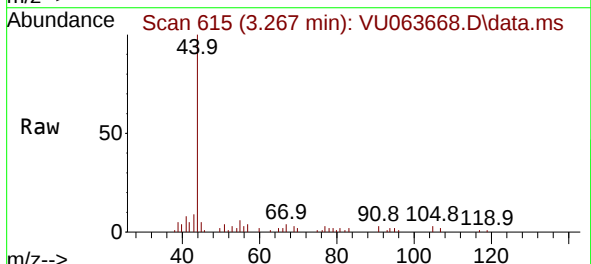
Instrument :
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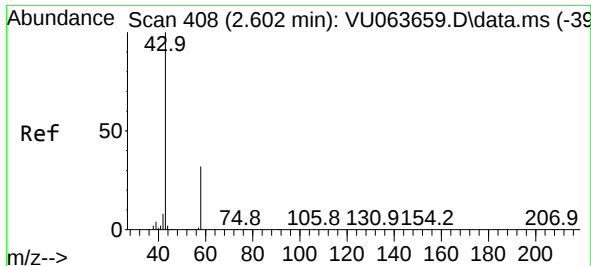
Tgt Ion: 41 Resp: 117
 Ion Ratio Lower Upper
 41 100
 39 80.3 61.0 91.4



#12
 Acrylonitrile
 Concen: 0.027 ug/l
 RT: 3.267 min Scan# 615
 Delta R.T. -0.019 min
 Lab File: VU063668.D
 Acq: 05 Nov 2025 11:46

Tgt Ion: 53 Resp: 103
 Ion Ratio Lower Upper
 53 100
 52 61.2 65.4 98.0#
 51 390.3 27.6 41.4#





#13

Acetone

Concen: 0.166 ug/l

RT: 2.605 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

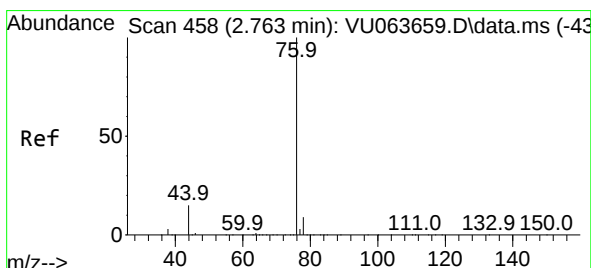
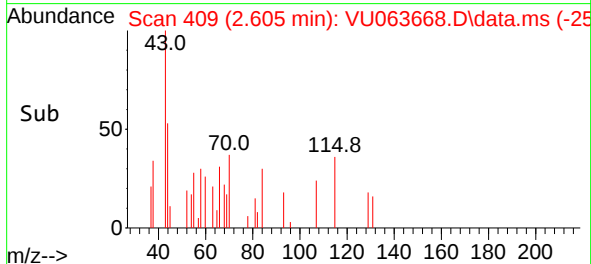
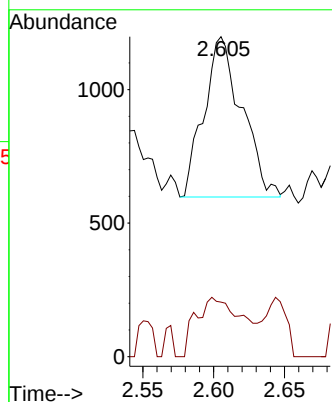
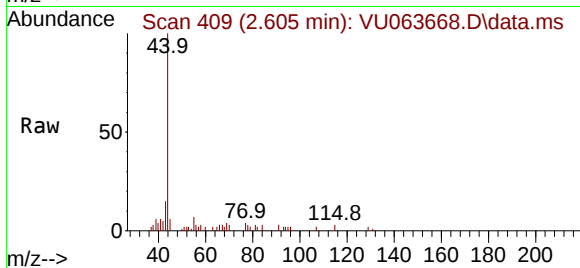
VU1105WBL01

Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 34.0 25.2 37.8



#14

Carbon Disulfide

Concen: 0.019 ug/l

RT: 2.763 min Scan# 458

Delta R.T. -0.000 min

Lab File: VU063668.D

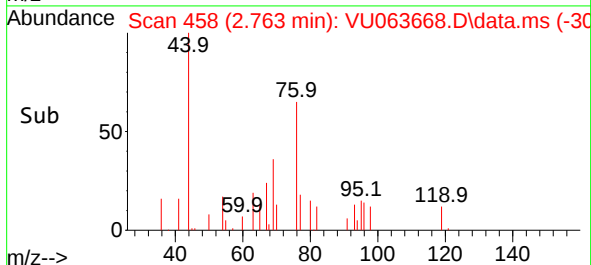
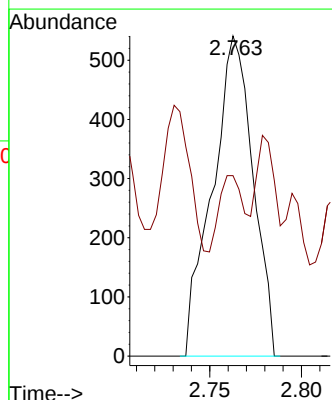
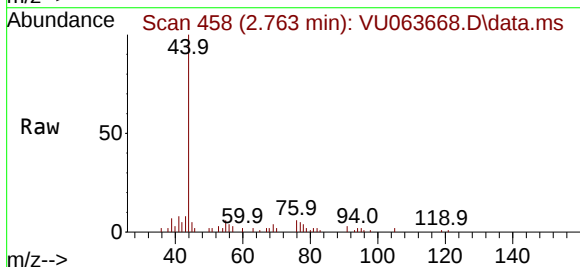
Acq: 05 Nov 2025 11:46

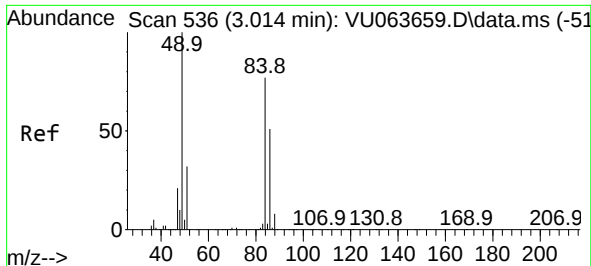
Tgt Ion: 76 Resp: 833

Ion Ratio Lower Upper

76 100

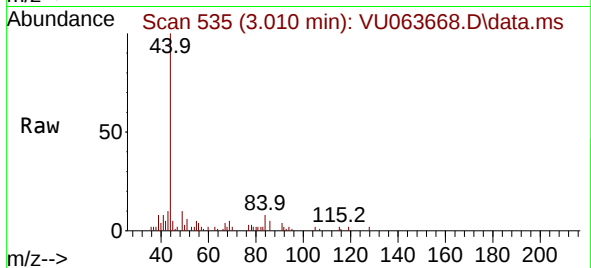
78 15.7 7.5 11.3#



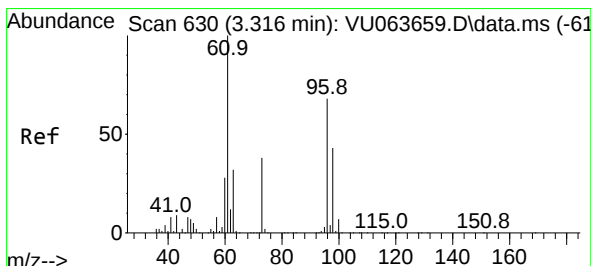
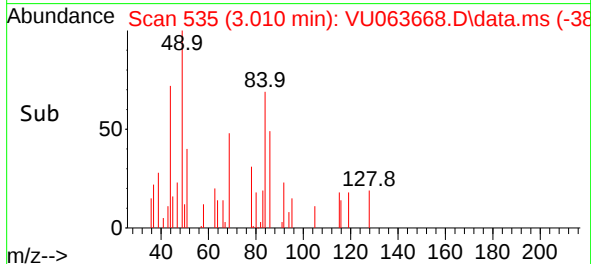
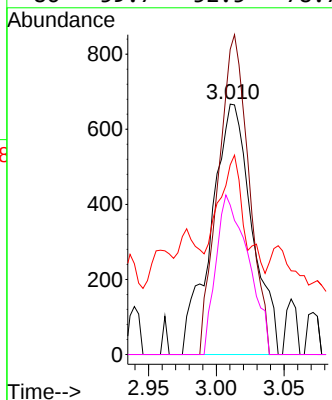


#15
Methylene Chloride
Concen: 0.071 ug/l
RT: 3.010 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

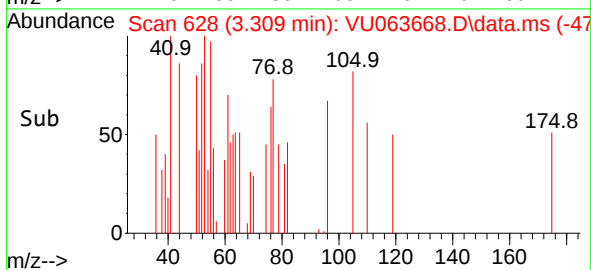
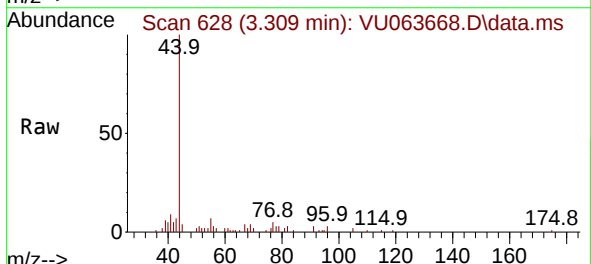
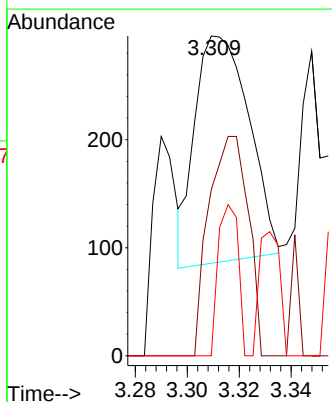


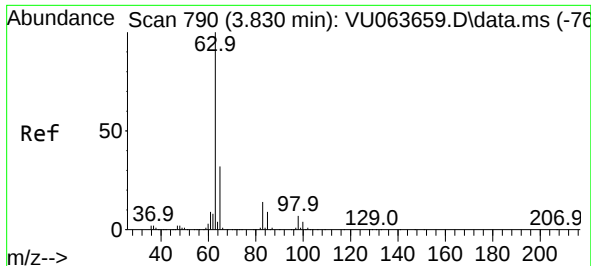
Tgt Ion:	84	Resp:	1395
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.4	155.0
51	35.1	0.0	81.6
86	59.7	52.5	78.7



#16
trans-1,2-Dichloroethene
Concen: 0.018 ug/l
RT: 3.309 min Scan# 628
Delta R.T. -0.007 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:	96	Resp:	303
Ion	Ratio	Lower	Upper
96	100		
61	79.0	117.4	176.2#
98	0.0	49.9	74.9#

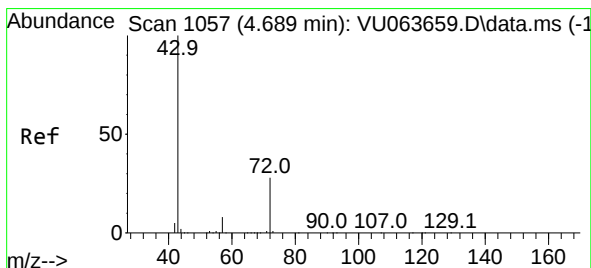
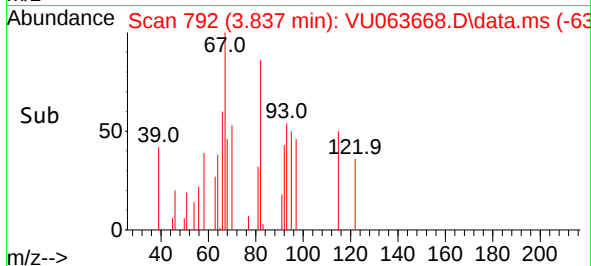
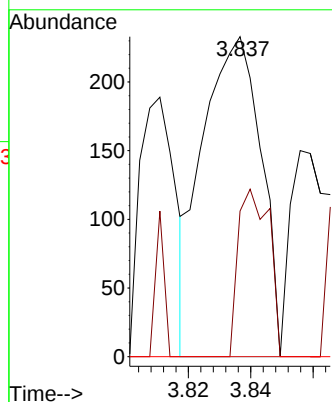
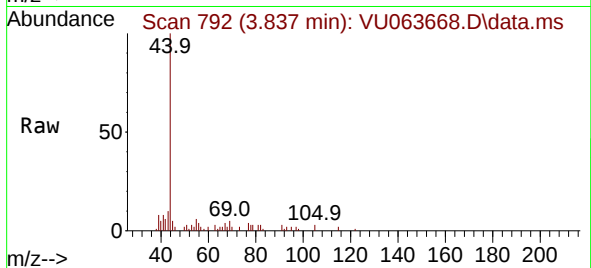




#17
1,1-Dichloroethane
Concen: 0.009 ug/l
RT: 3.837 min Scan# 790
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

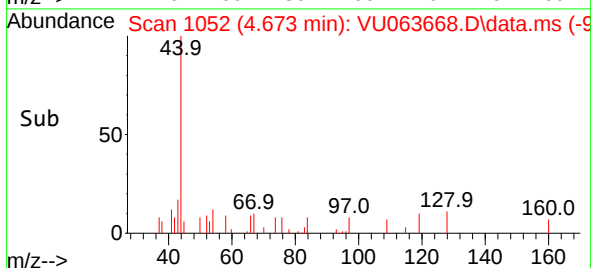
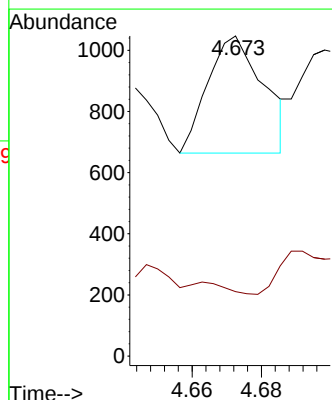
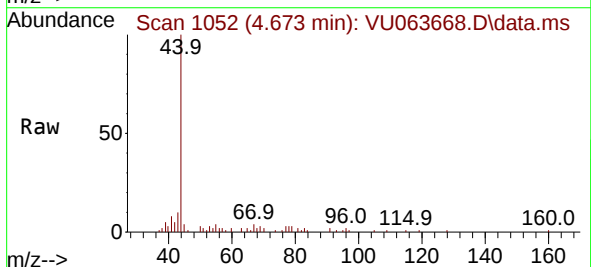
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

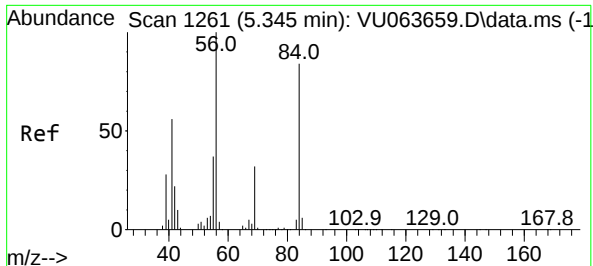
Tgt Ion: 63 Resp: 303
Ion Ratio Lower Upper
63 100
98 45.5 3.5 10.5#
100 0.0 2.2 6.6#



#18
2-Butanone
Concen: 0.060 ug/l
RT: 4.673 min Scan# 1052
Delta R.T. -0.016 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
57 0.0 0.0 16.6





#19

Cyclohexane

Concen: 0.004 ug/l

RT: 5.332 min Scan# 11

Delta R.T. -0.013 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

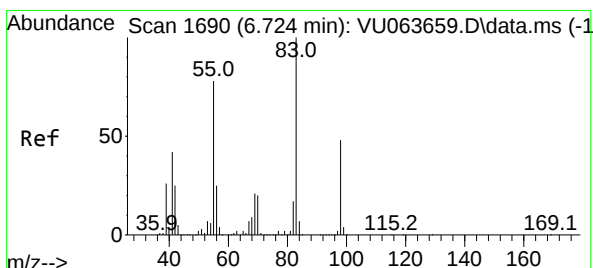
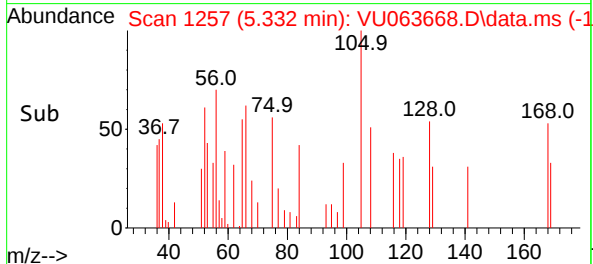
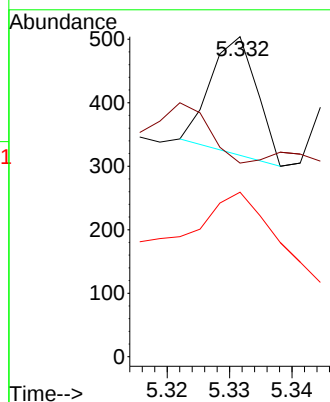
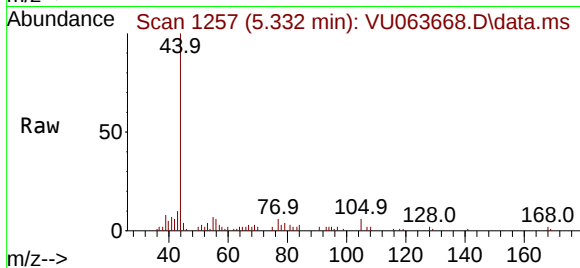
Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

69 0.0 27.1 40.7#

84 419.8 73.4 110.0#



#20

Methylcyclohexane

Concen: 0.002 ug/l

RT: 6.730 min Scan# 1692

Delta R.T. 0.006 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

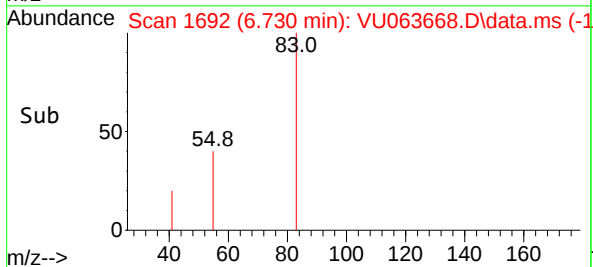
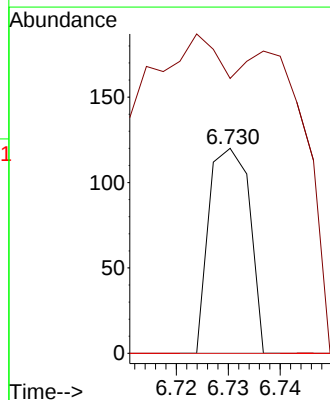
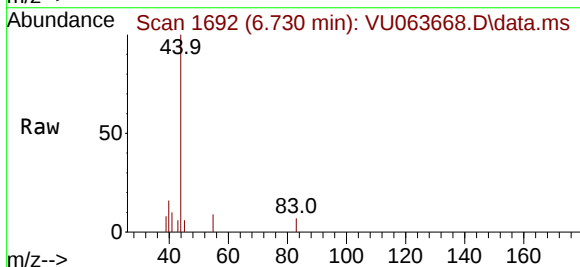
Tgt Ion: 83 Resp: 65

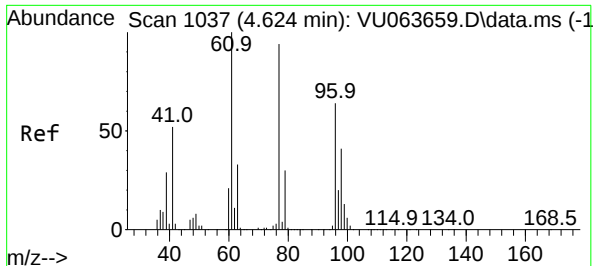
Ion Ratio Lower Upper

83 100

55 346.2 61.5 92.3#

98 0.0 37.9 56.9#

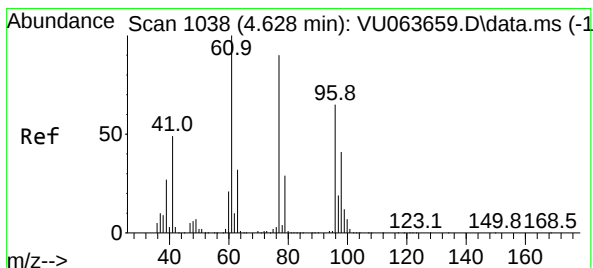
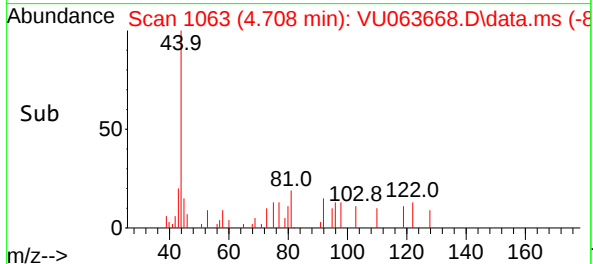
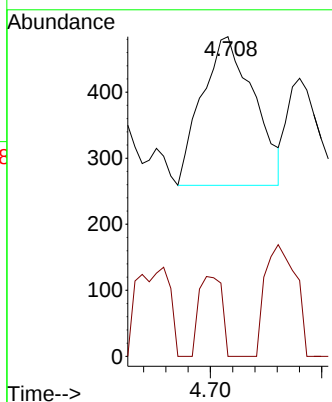
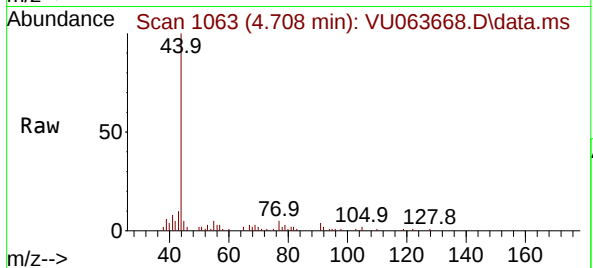




#21
2,2-Dichloropropane
Concen: 0.012 ug/l
RT: 4.708 min Scan# 1063
Delta R.T. 0.083 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

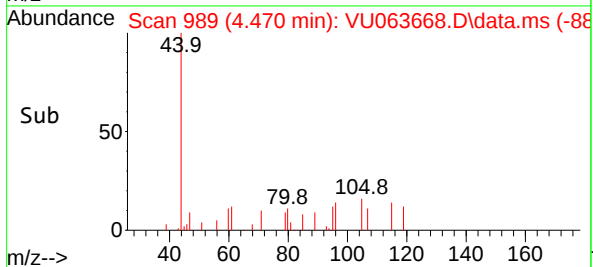
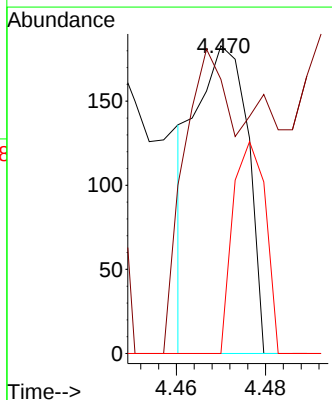
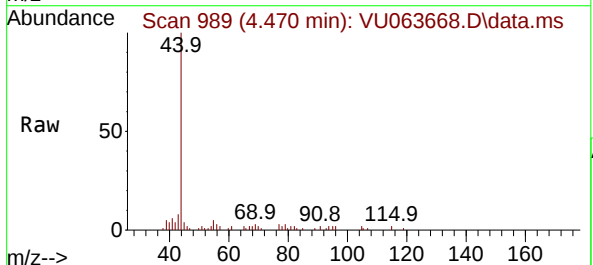
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

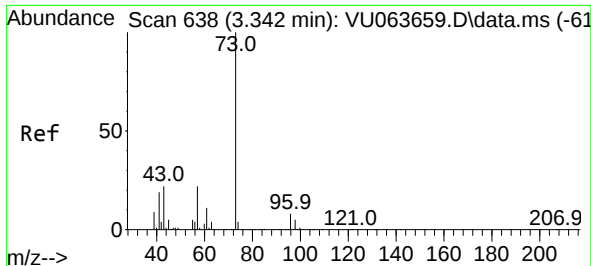
Tgt Ion: 77 Resp: 367
Ion Ratio Lower Upper
77 100
97 23.7 17.1 25.7



#22
cis-1,2-Dichloroethene
Concen: 0.008 ug/l
RT: 4.470 min Scan# 989
Delta R.T. -0.158 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 96 Resp: 151
Ion Ratio Lower Upper
96 100
61 92.1 0.0 385.0
98 42.4 31.3 93.9

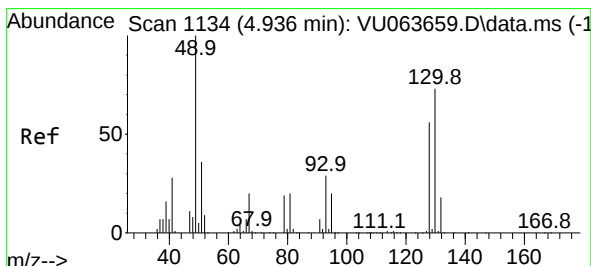
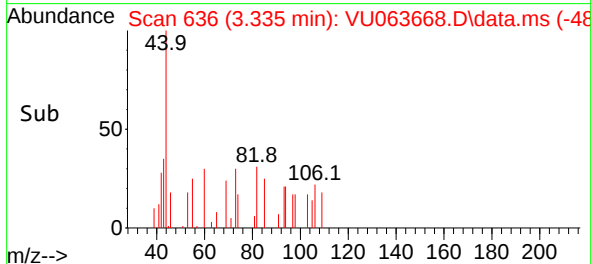
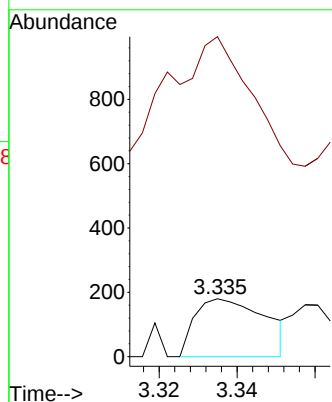
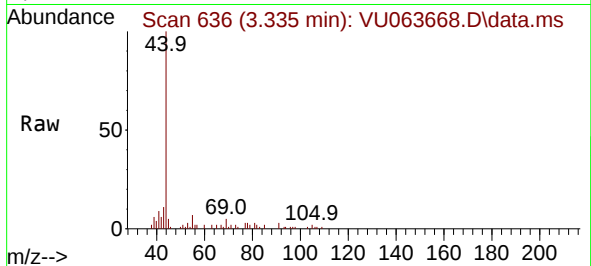




#25
Methyl tert-Butyl Ether
Concen: 0.005 ug/l
RT: 3.335 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

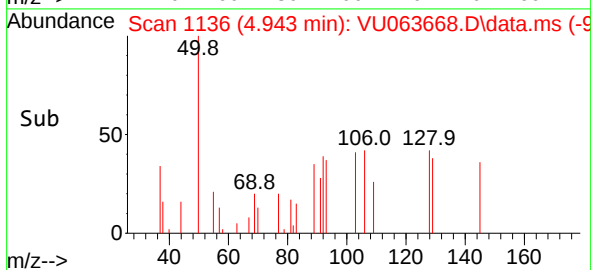
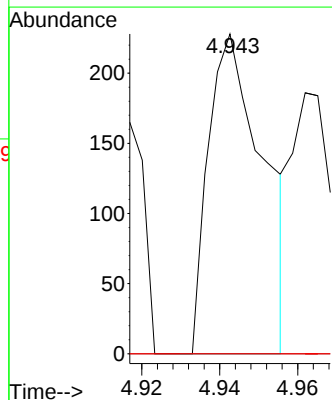
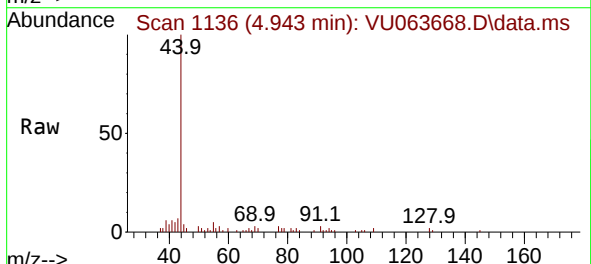
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

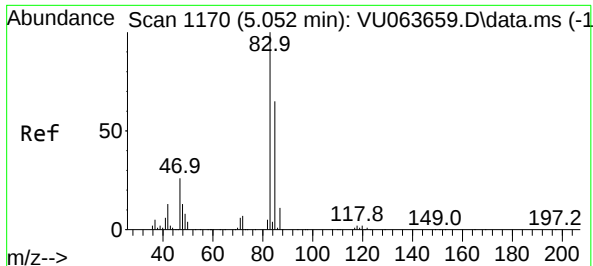
Tgt Ion: 73 Resp: 225
Ion Ratio Lower Upper
73 100
43 253.3 17.4 26.0#



#26
Bromochloromethane
Concen: 0.027 ug/l
RT: 4.943 min Scan# 1136
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:128 Resp: 222
Ion Ratio Lower Upper
128 100
49 0.0 0.0 349.6
130 0.0 102.7 154.1#





#27

Chloroform

Concen: 0.027 ug/l

RT: 5.058 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

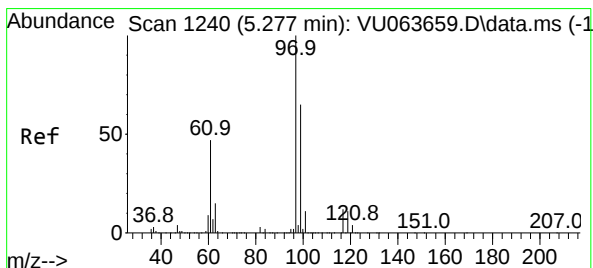
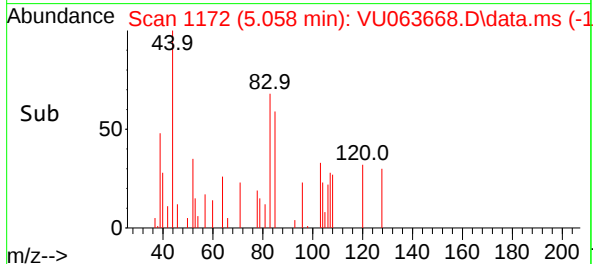
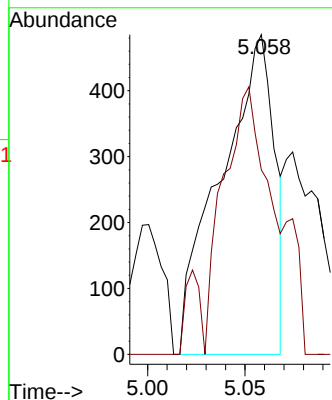
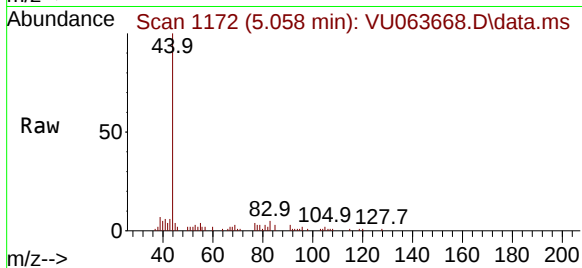
VU1105WBL01

Tgt Ion: 83 Resp: 930

Ion Ratio Lower Upper

83 100

85 57.7 0.0 130.8



#28

1,1,1-Trichloroethane

Concen: 0.012 ug/l

RT: 5.271 min Scan# 1238

Delta R.T. -0.007 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

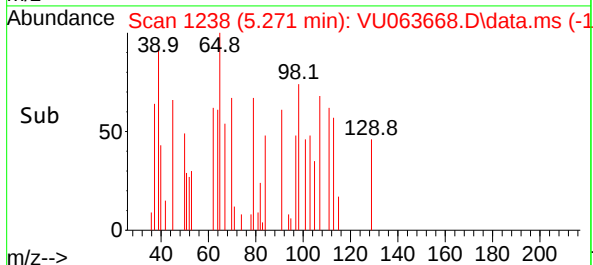
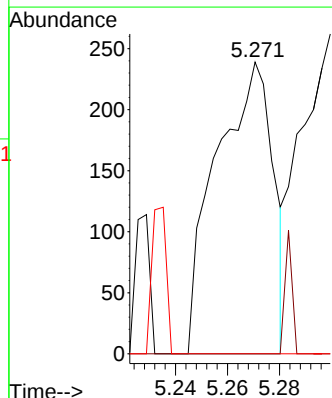
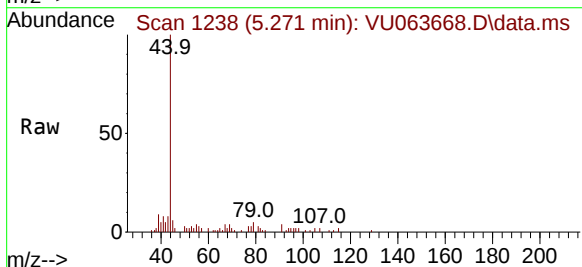
Tgt Ion: 97 Resp: 363

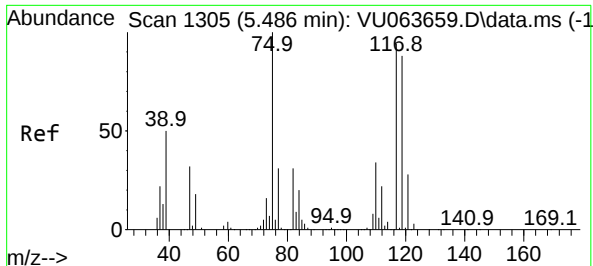
Ion Ratio Lower Upper

97 100

99 5.2 32.3 96.8#

61 0.0 23.3 69.8#





#29

1,1-Dichloropropene

Concen: 0.004 ug/l

RT: 5.476 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

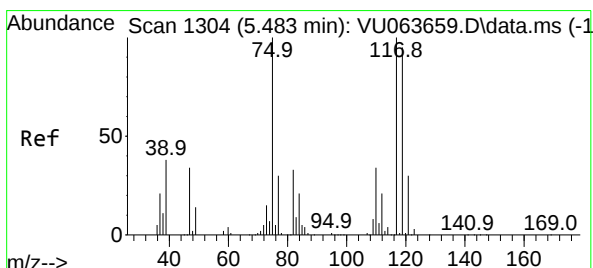
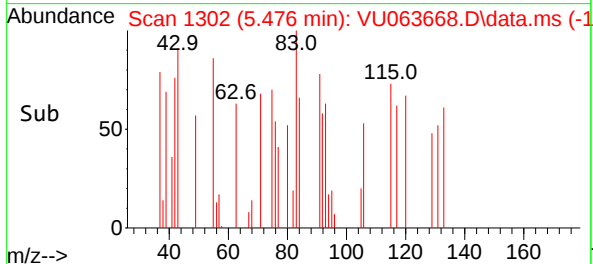
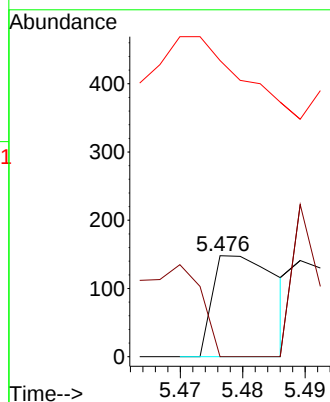
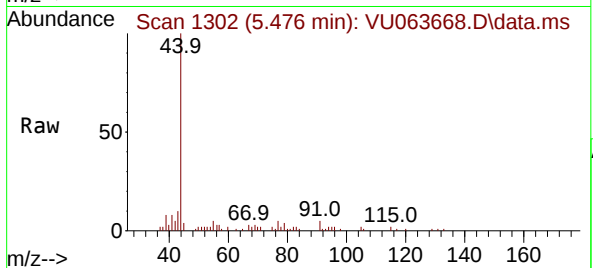
Tgt Ion: 75 Resp: 105

Ion Ratio Lower Upper

75 100

110 84.8 17.2 51.5#

77 0.0 24.5 36.7#



#30

Carbon Tetrachloride

Concen: 0.006 ug/l

RT: 5.483 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

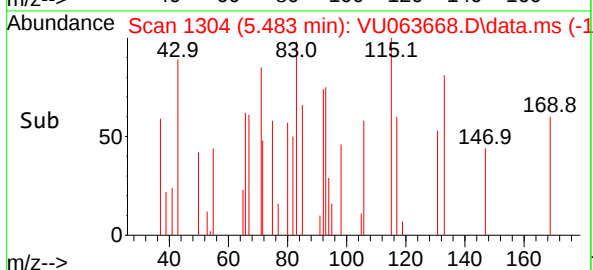
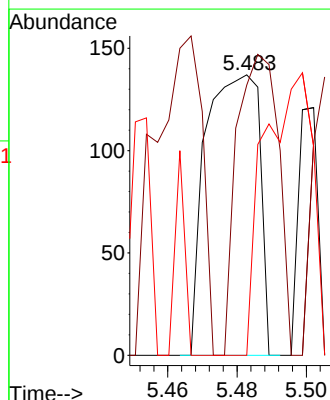
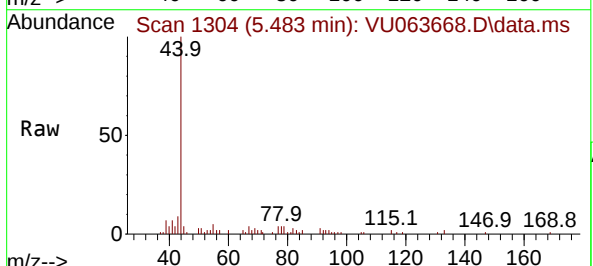
Tgt Ion: 117 Resp: 147

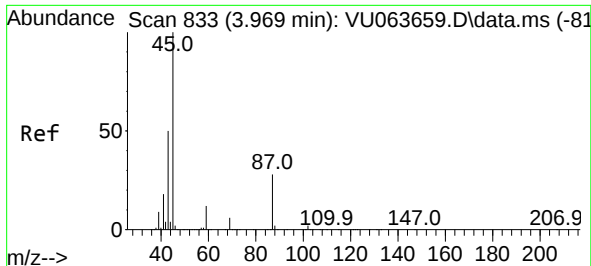
Ion Ratio Lower Upper

117 100

119 23.4 75.7 113.5#

121 0.0 23.8 35.6#

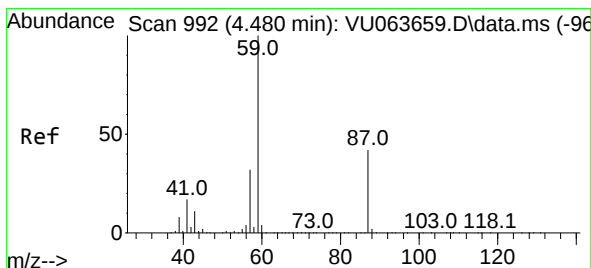
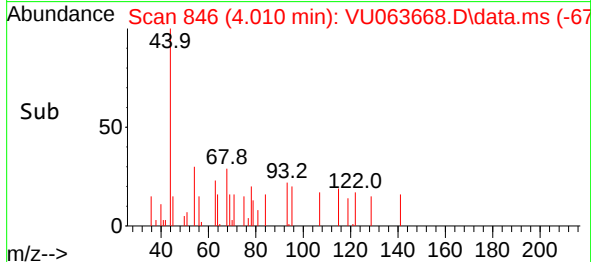
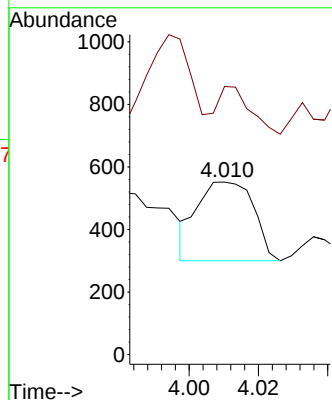
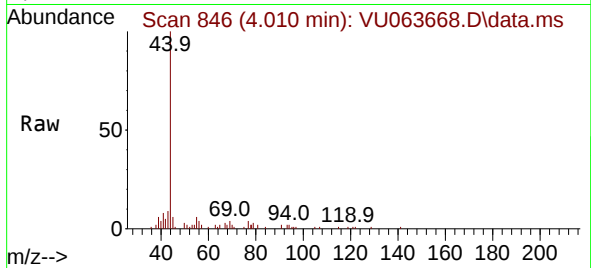




#31
Isopropyl Ether
Concen: 0.005 ug/l
RT: 4.010 min Scan# 84
Delta R.T. 0.042 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

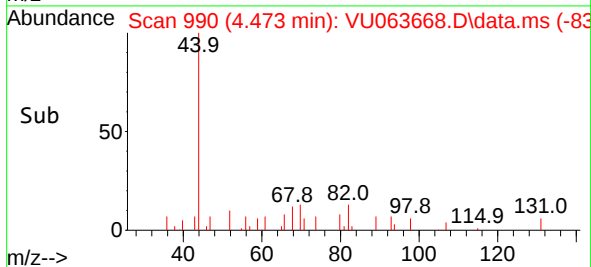
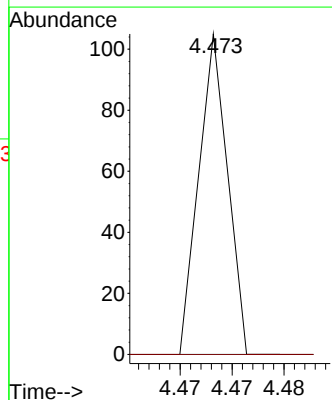
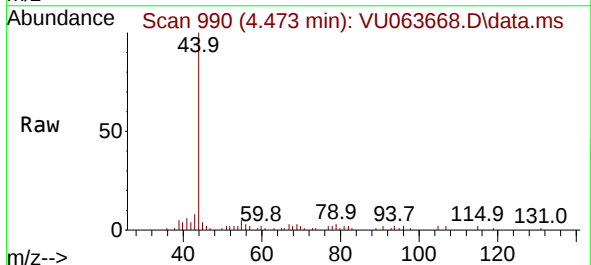
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

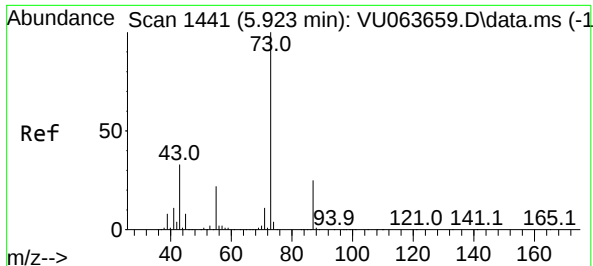
Tgt Ion: 45 Resp: 285
Ion Ratio Lower Upper
45 100
43 31.2 25.3 75.9



#32
Ethyl-t-butyl ether
Concen: 0.000 ug/l
RT: 4.473 min Scan# 990
Delta R.T. -0.007 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
87 0.0 33.0 49.6#

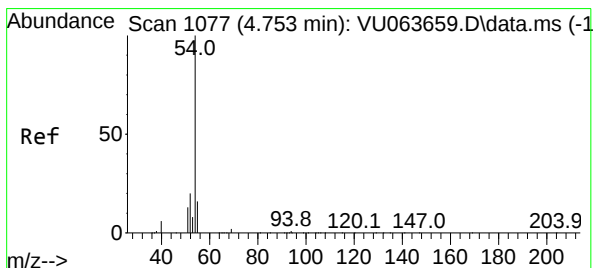
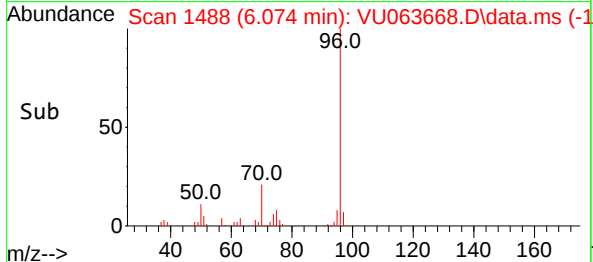
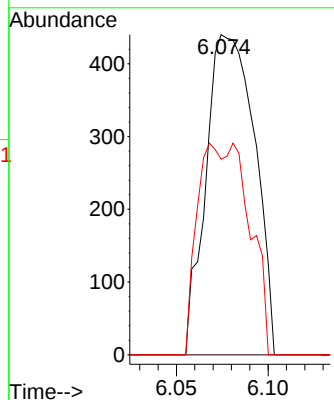
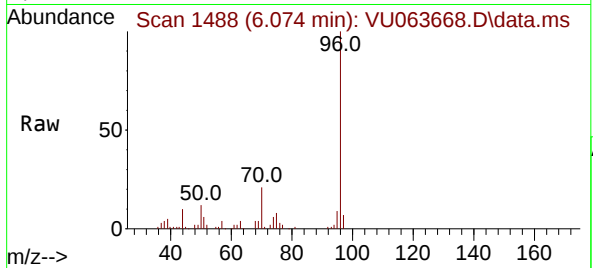




#33
Tert-Amyl methyl ether
Concen: 0.018 ug/l
RT: 6.074 min Scan# 1441
Delta R.T. 0.151 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

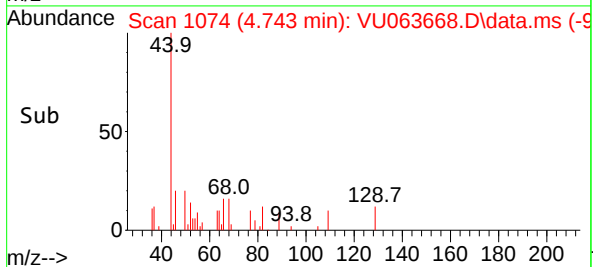
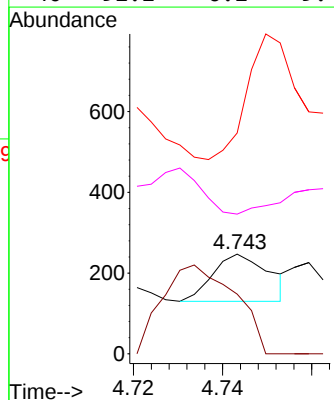
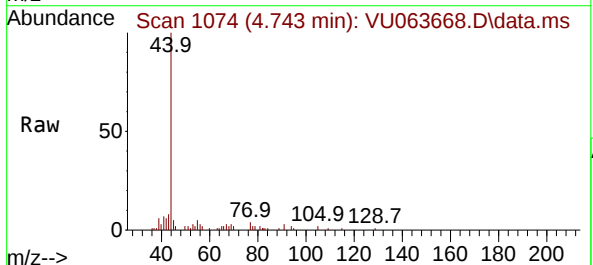
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

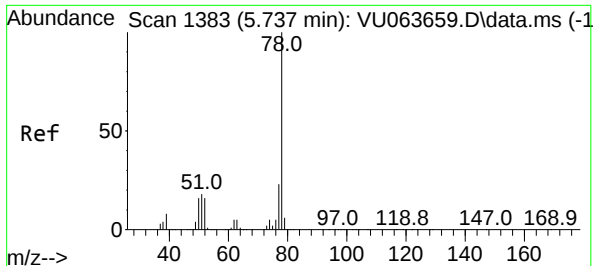
Tgt Ion: 73 Resp: 814
Ion Ratio Lower Upper
73 100
87 0.0 20.0 30.0#
71 34.4 9.0 13.4#



#34
Propionitrile
Concen: 0.073 ug/l
RT: 4.743 min Scan# 1074
Delta R.T. -0.010 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 54 Resp: 102
Ion Ratio Lower Upper
54 100
52 244.1 15.8 23.6#
55 281.4 11.3 16.9#
40 92.2 6.2 9.4#

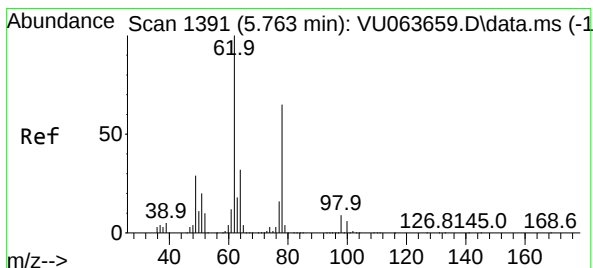
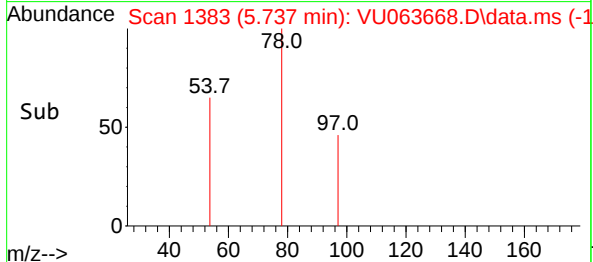
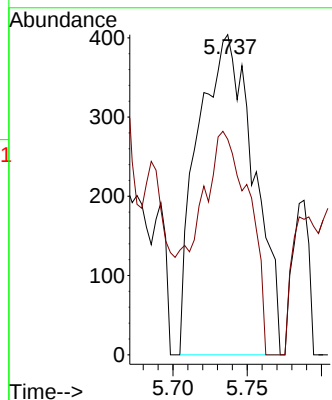
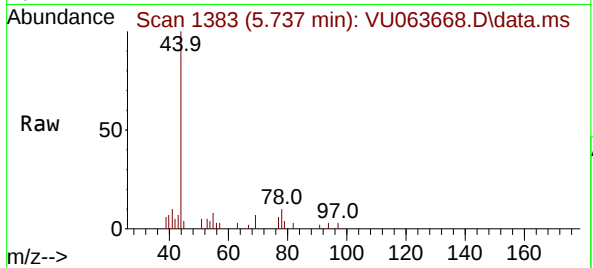




#35
Benzene
Concen: 0.015 ug/l
RT: 5.737 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

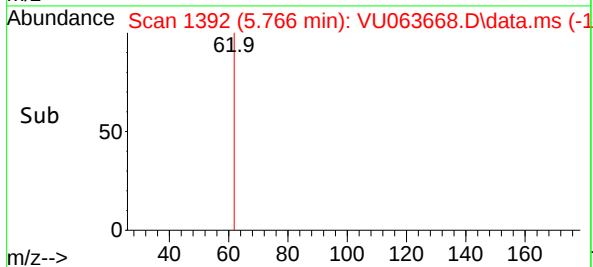
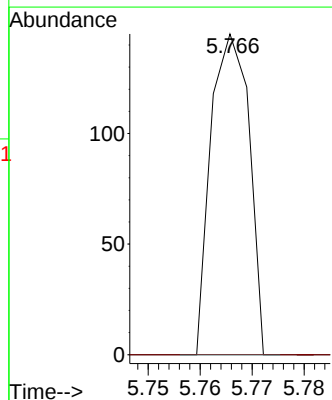
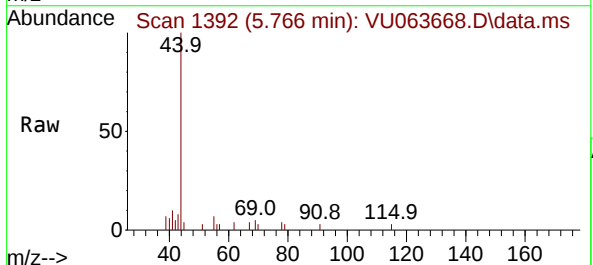
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

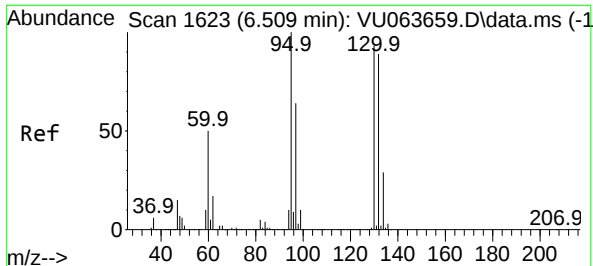
Tgt Ion: 78 Resp: 1060
Ion Ratio Lower Upper
78 100
77 91.6 18.3 27.5#



#36
1,2-Dichloroethane
Concen: 0.003 ug/l
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 62 Resp: 74
Ion Ratio Lower Upper
62 100
98 0.0 6.8 10.2#

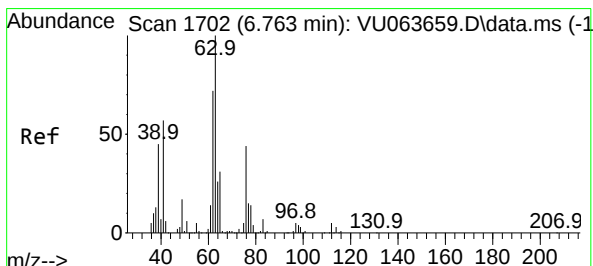
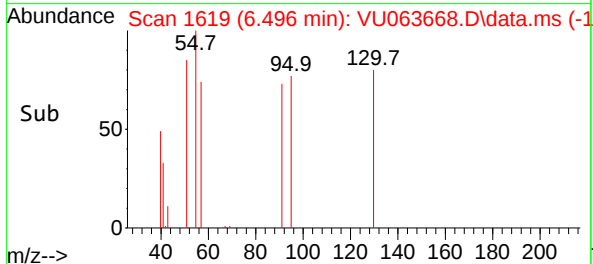
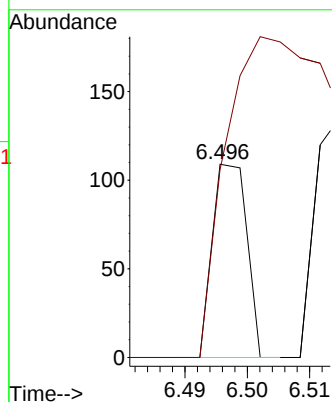
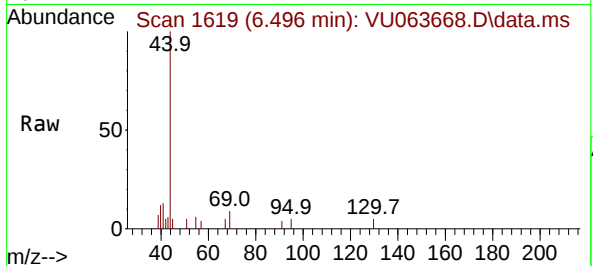




#37
Trichloroethene
Concen: 0.002 ug/l
RT: 6.496 min Scan# 1
Delta R.T. -0.013 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

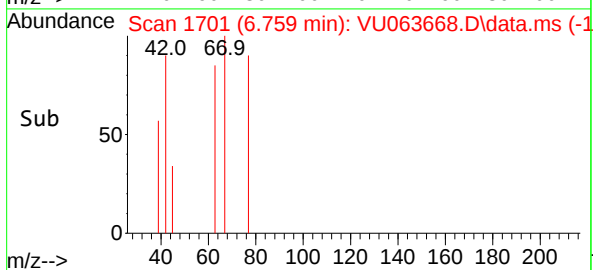
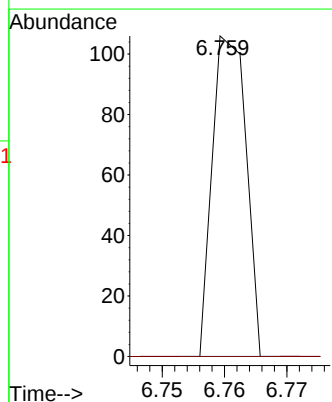
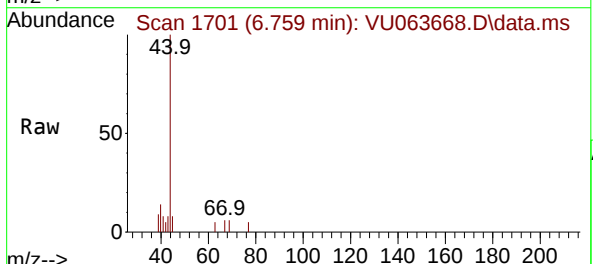
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

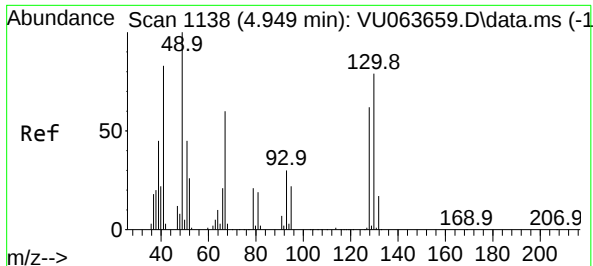
Tgt Ion:130 Resp: 42
Ion Ratio Lower Upper
130 100
95 97.2 86.0 129.0



#38
1,2-Dichloropropane
Concen: 0.002 ug/l
RT: 6.759 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
65 0.0 24.5 36.7#

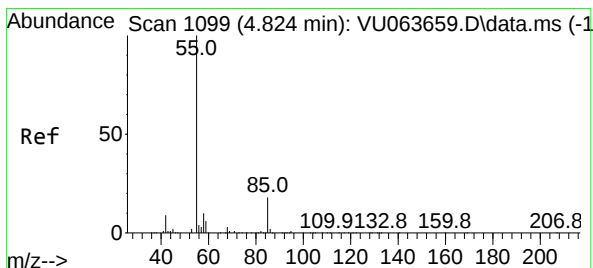
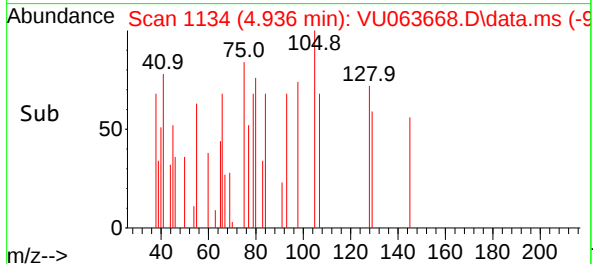
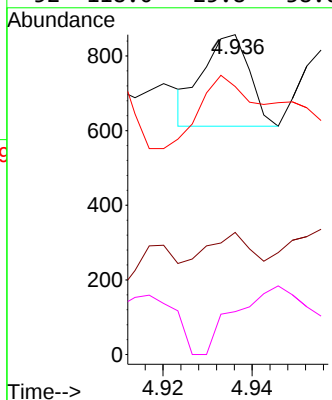
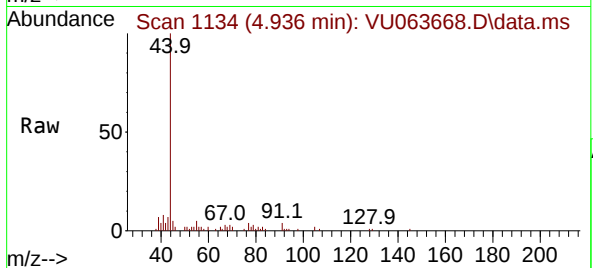




#39
Methacrylonitrile
Concen: 0.026 ug/l
RT: 4.936 min Scan# 1103
Delta R.T. -0.013 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

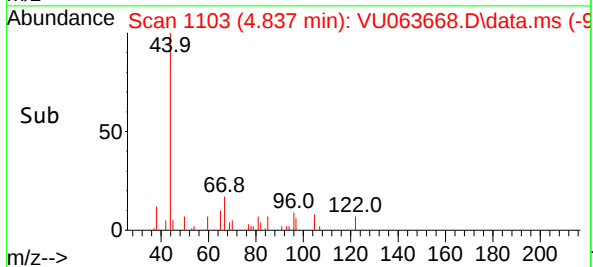
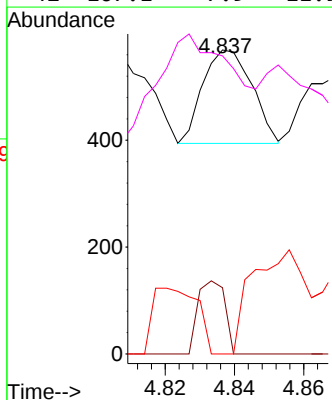
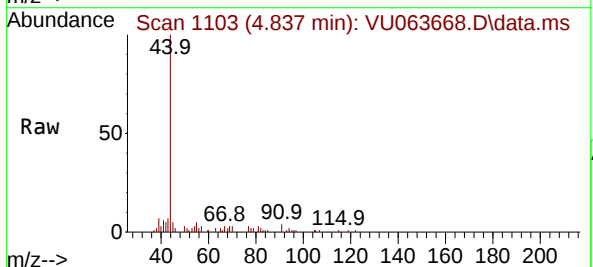
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

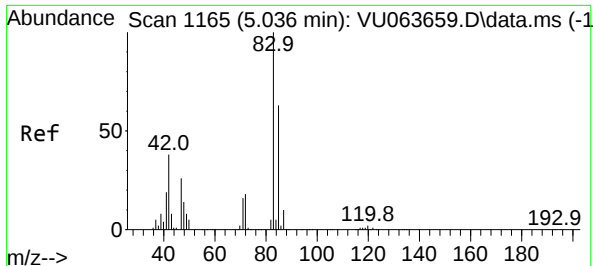
Tgt Ion:	41	Resp:	178
Ion	Ratio	Lower	Upper
41	100		
67	36.5	61.4	92.2#
39	146.1	46.5	69.7#
52	118.0	25.8	38.6#



#40
Methyl acrylate
Concen: 0.017 ug/l
RT: 4.837 min Scan# 1103
Delta R.T. 0.013 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:	55	Resp:	173
Ion	Ratio	Lower	Upper
55	100		
85	42.8	15.3	22.9#
58	63.6	7.7	11.5#
42	167.1	7.9	11.9#





#41

Tetrahydrofuran

Concen: 0.151 ug/l

RT: 5.029 min Scan# 1163

Delta R.T. -0.007 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

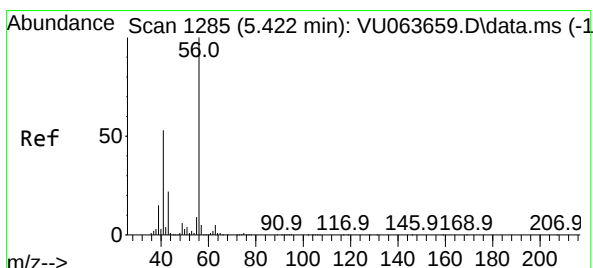
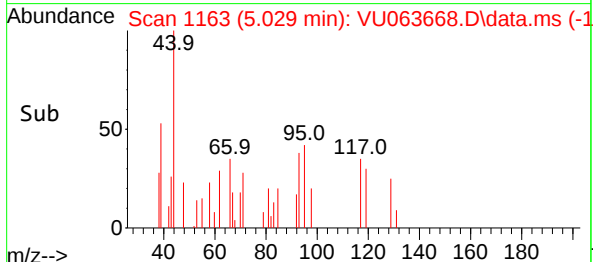
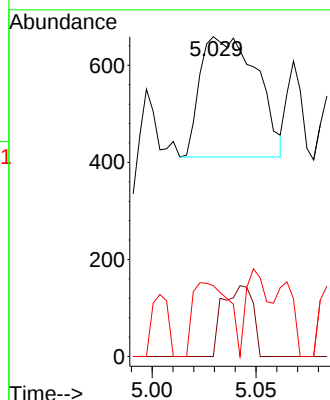
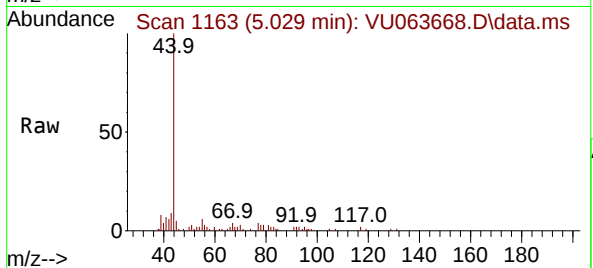
Tgt Ion: 42 Resp: 471

Ion Ratio Lower Upper

42 100

72 0.0 40.5 60.7#

71 38.6 35.0 52.6



#42

1-Chlorobutane

Concen: 0.007 ug/l

RT: 5.586 min Scan# 1336

Delta R.T. 0.164 min

Lab File: VU063668.D

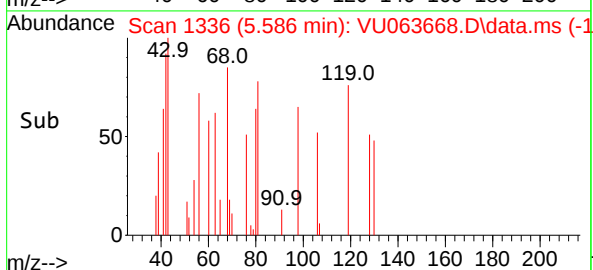
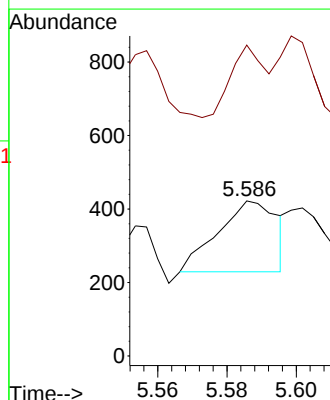
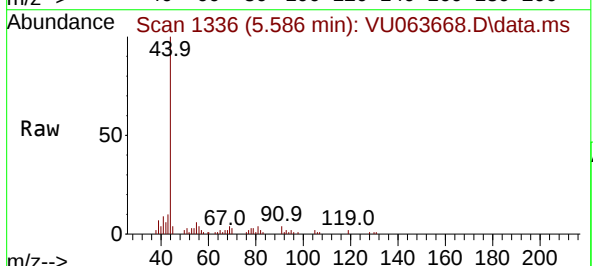
Acq: 05 Nov 2025 11:46

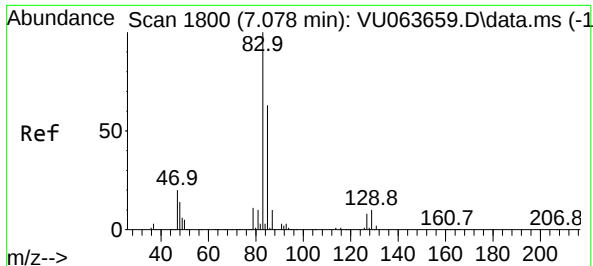
Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

41 54.1 25.9 77.6





#44

Bromodichloromethane

Concen: 0.002 ug/l

RT: 7.081 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

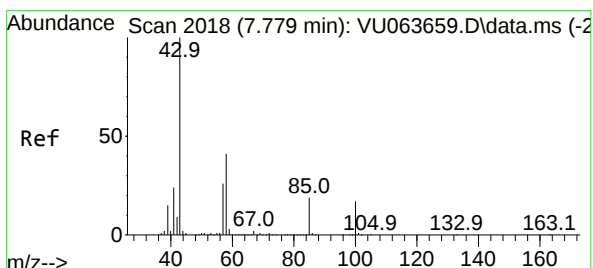
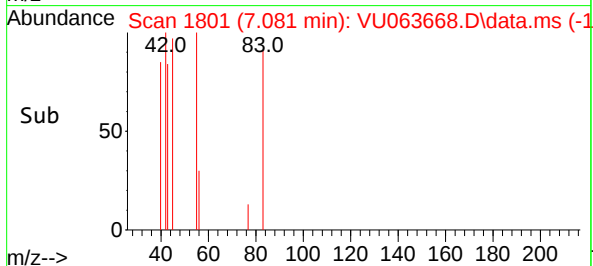
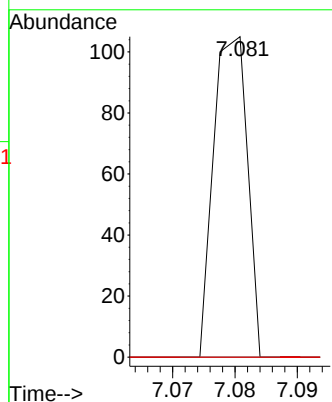
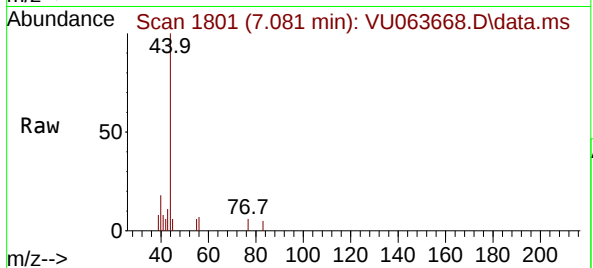
Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

Tgt Ion:	83	Resp:	40
Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.5	75.7#
127	0.0	6.4	9.6#



#45

4-Methyl-2-Pentanone

Concen: 0.077 ug/l

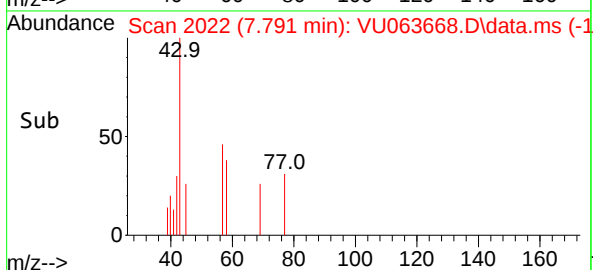
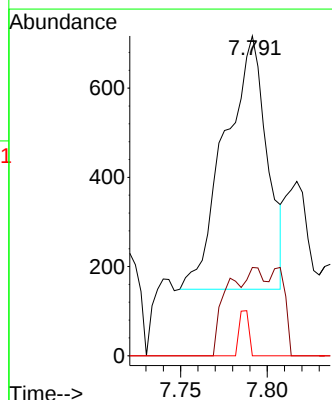
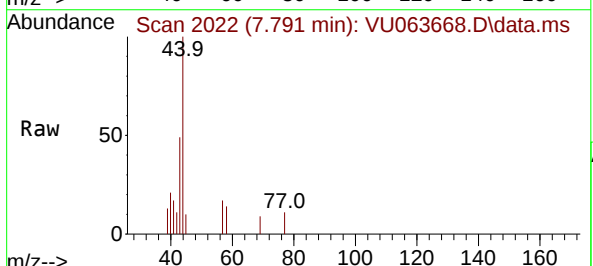
RT: 7.791 min Scan# 2022

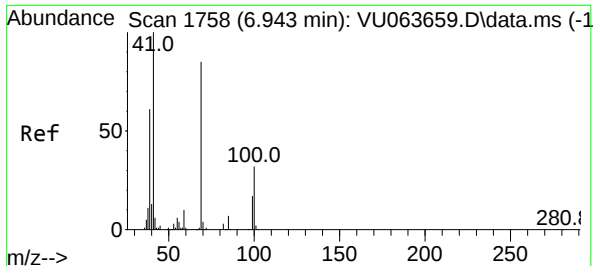
Delta R.T. 0.013 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Tgt Ion:	43	Resp:	962
Ion	Ratio	Lower	Upper
43	100		
58	33.0	20.2	60.5
85	4.1	15.0	22.6#





#47

Methyl methacrylate

Concen: 0.009 ug/l

RT: 6.939 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063668.D

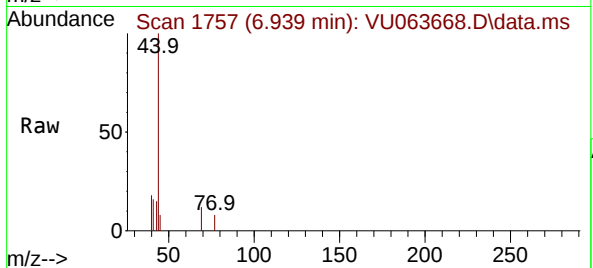
Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

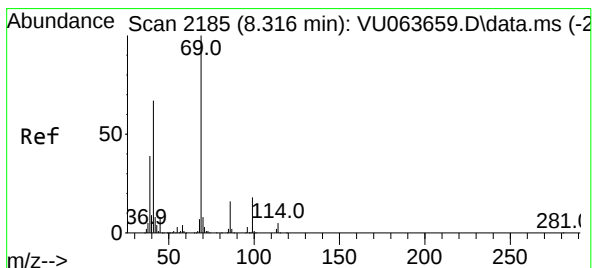
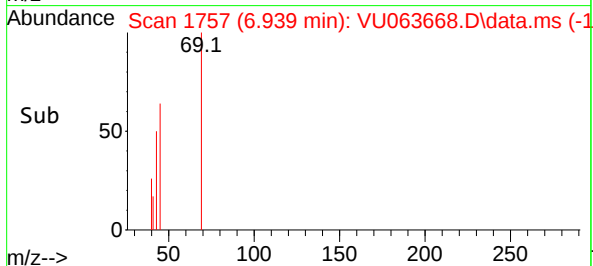
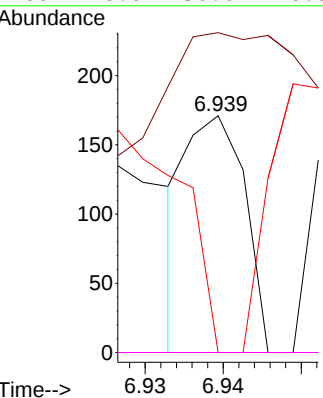
ClientSampleId :

VU1105WBL01



Tgt Ion: 69 Resp: 89

Ion	Ratio	Lower	Upper
69	100		
41	514.6	0.0	228.2#
39	264.0	56.2	84.4#
100	0.0	30.6	46.0#



#48

Ethyl methacrylate

Concen: 0.007 ug/l

RT: 8.386 min Scan# 2207

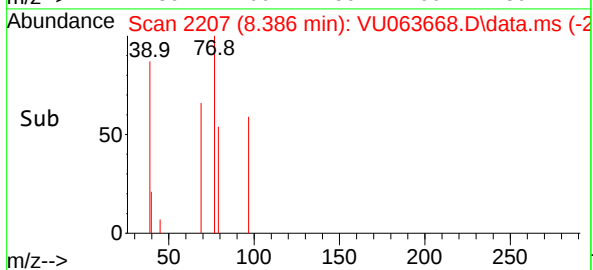
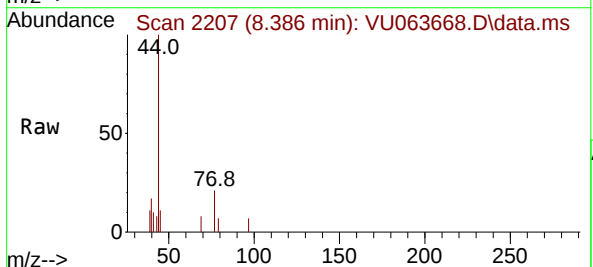
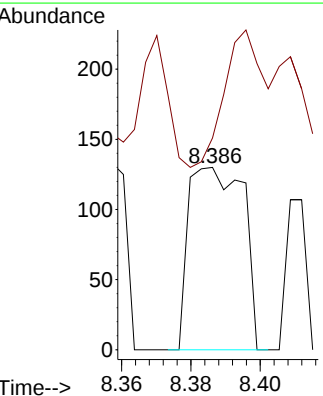
Delta R.T. 0.071 min

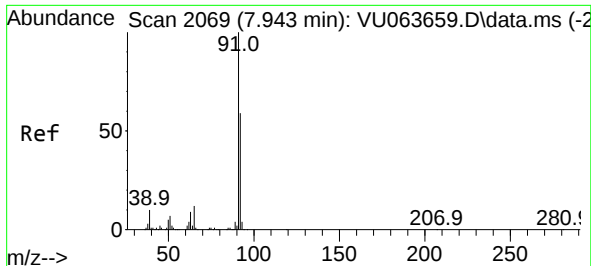
Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Tgt Ion: 69 Resp: 142

Ion	Ratio	Lower	Upper
69	100		
41	50.0	32.8	98.3

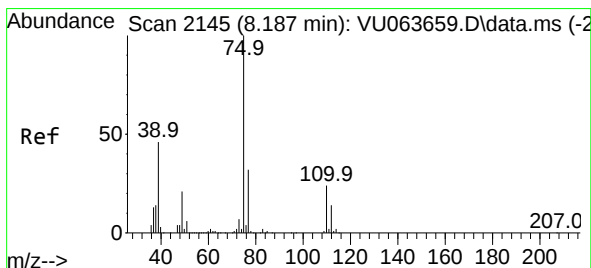
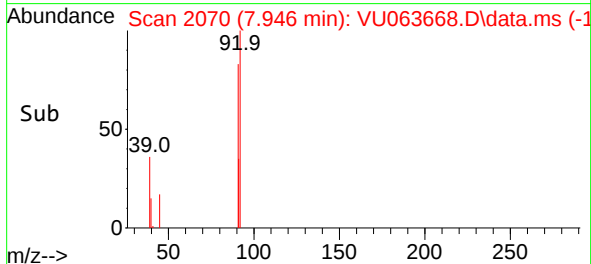
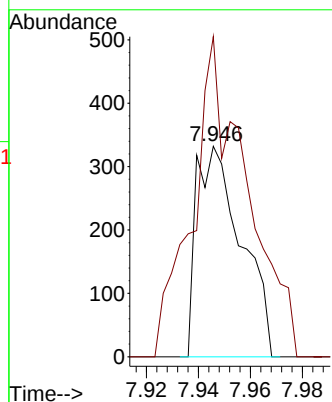
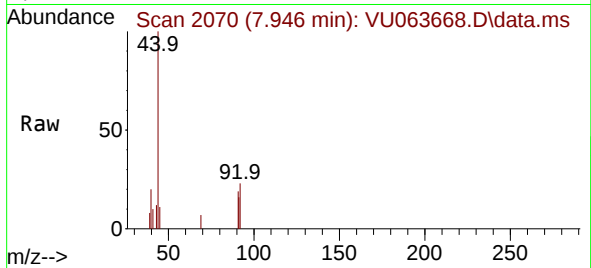




#49
Toluene
Concen: 0.008 ug/l
RT: 7.946 min Scan# 2069
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

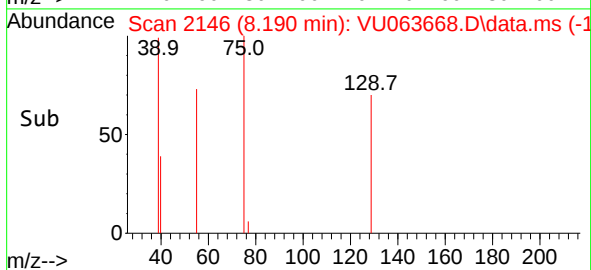
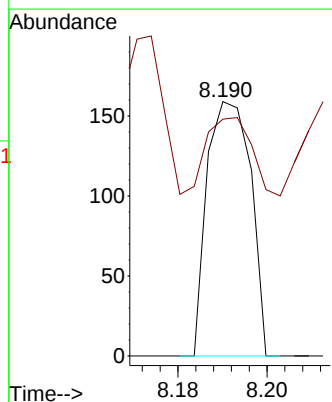
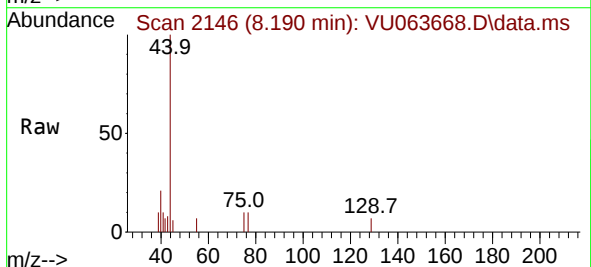
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

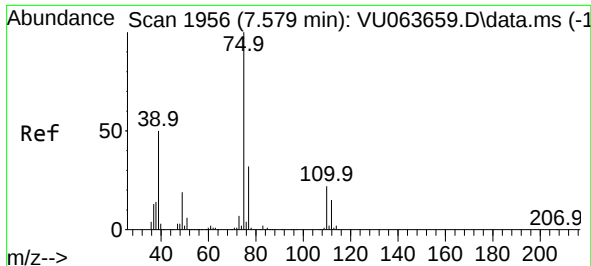
Tgt Ion: 92 Resp: 398
Ion Ratio Lower Upper
92 100
91 183.7 136.8 205.2



#50
t-1,3-Dichloropropene
Concen: 0.005 ug/l
RT: 8.190 min Scan# 2146
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

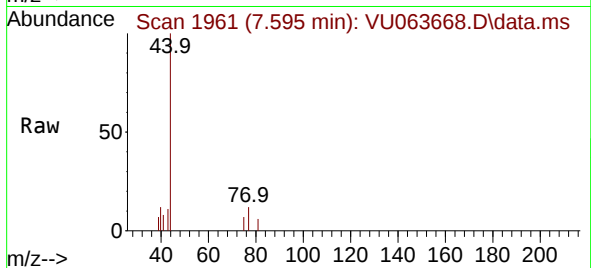
Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
77 30.2 25.8 38.6



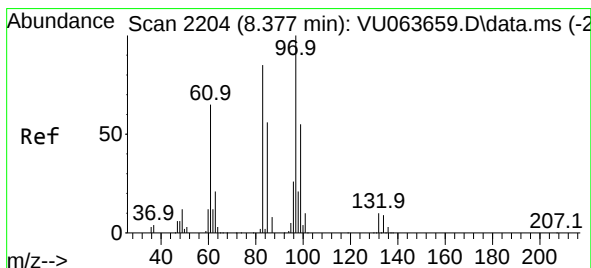
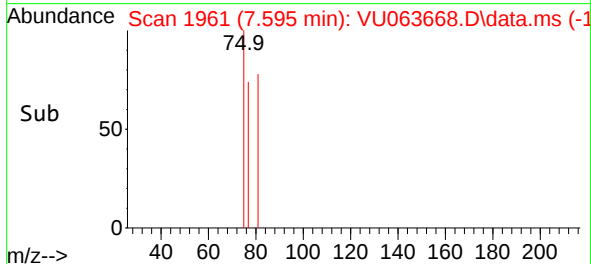
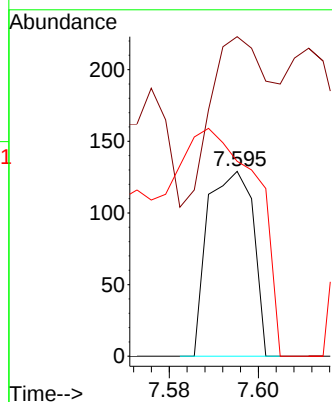


#51
cis-1,3-Dichloropropene
Concen: 0.003 ug/l
RT: 7.595 min Scan# 1956
Delta R.T. 0.016 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

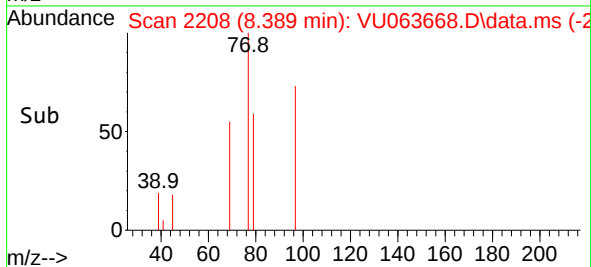
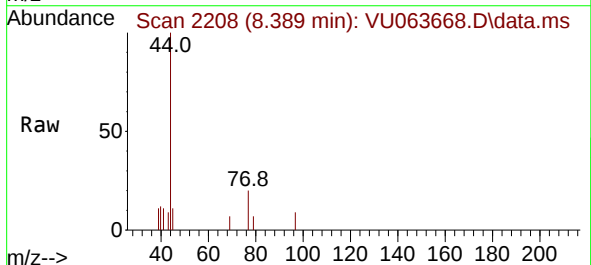
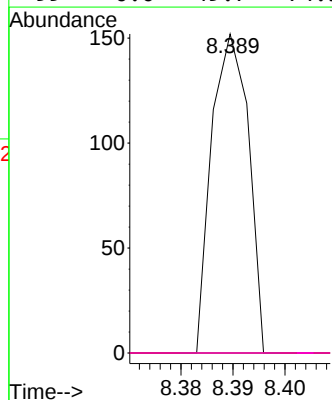


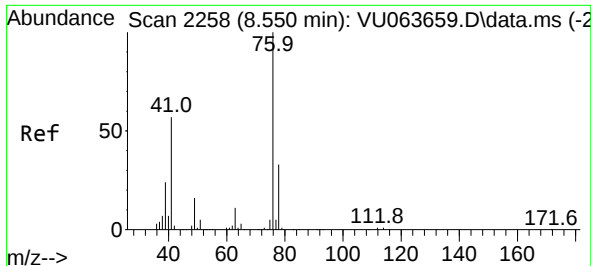
Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
77 92.2 25.5 38.3#
39 2.3 39.9 59.9#



#52
1,1,2-Trichloroethane
Concen: 0.005 ug/l
RT: 8.389 min Scan# 2208
Delta R.T. 0.013 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 97 Resp: 75
Ion Ratio Lower Upper
97 100
83 0.0 68.3 102.5#
85 0.0 45.3 67.9#
99 0.0 49.7 74.5#





#53

1,3-Dichloropropane

Concen: 0.005 ug/l

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

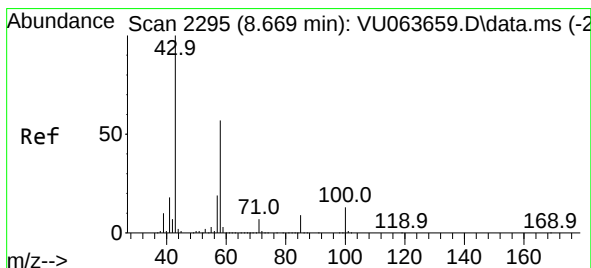
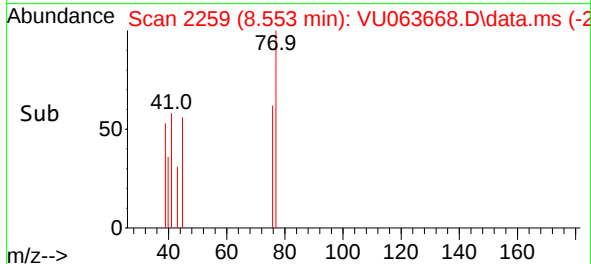
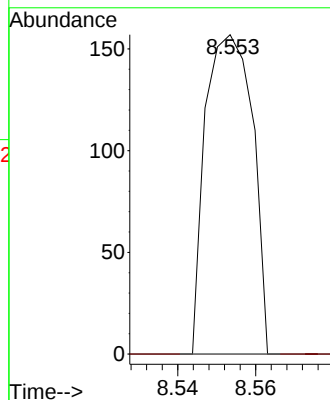
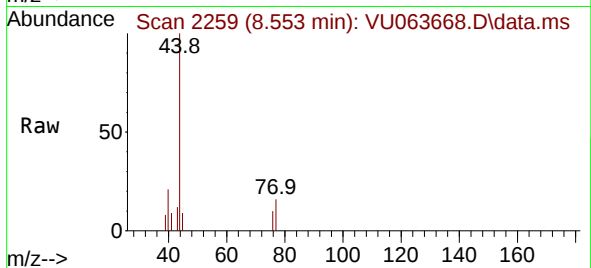
VU1105WBL01

Tgt Ion: 76 Resp: 132

Ion Ratio Lower Upper

76 100

78 104.5 25.8 38.6#



#54

2-Hexanone

Concen: 0.107 ug/l

RT: 8.679 min Scan# 2298

Delta R.T. 0.009 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

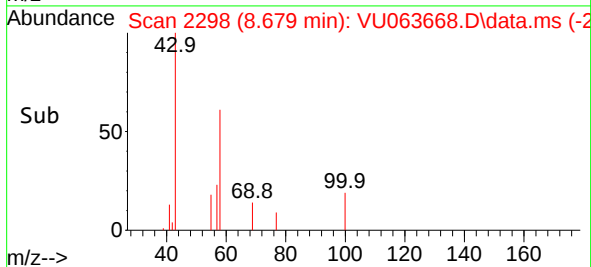
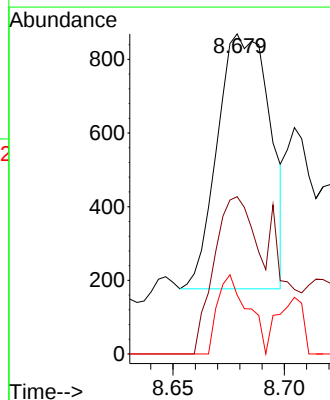
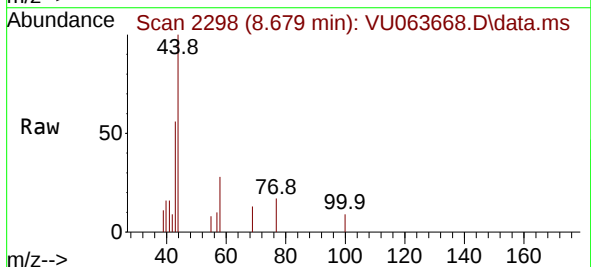
Tgt Ion: 43 Resp: 1135

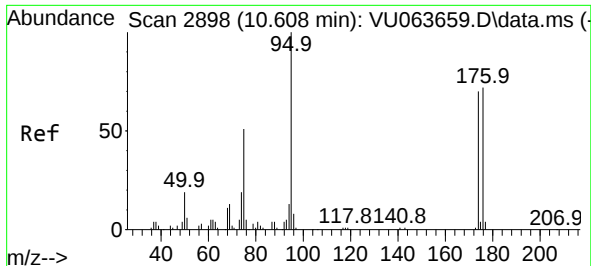
Ion Ratio Lower Upper

43 100

58 51.4 36.3 76.3

57 17.6 0.0 39.7

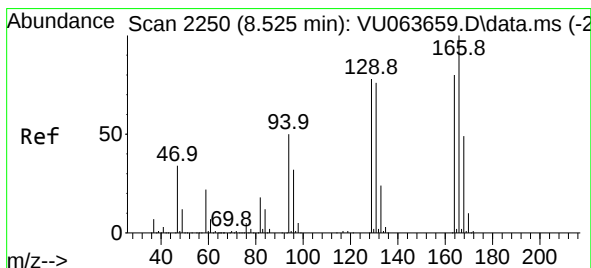
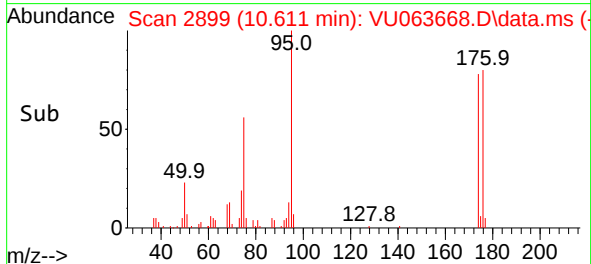
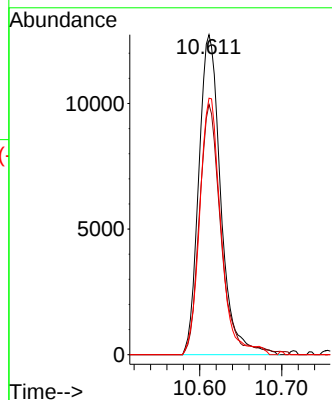
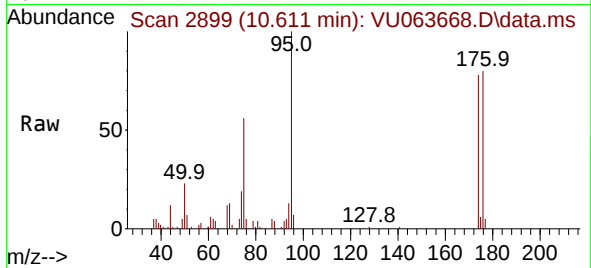




#57
4-Bromofluorobenzene
Concen: 0.917 ug/l
RT: 10.611 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

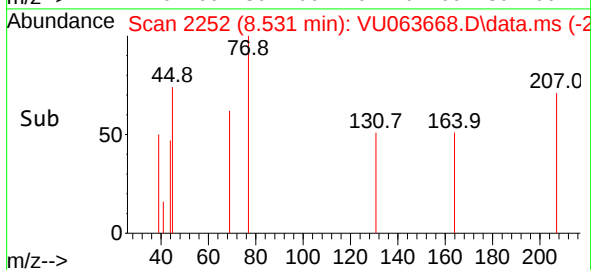
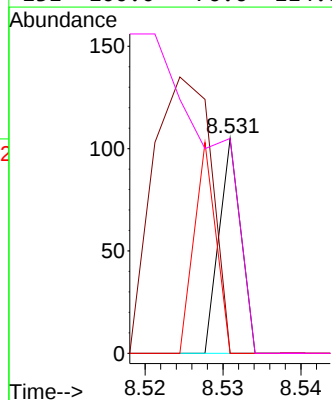
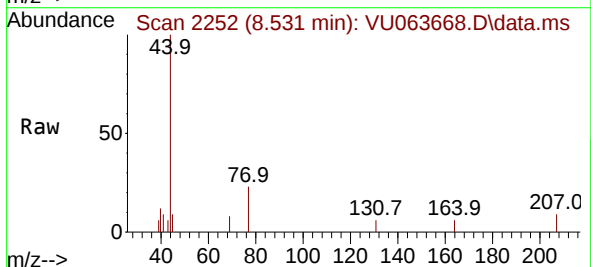
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

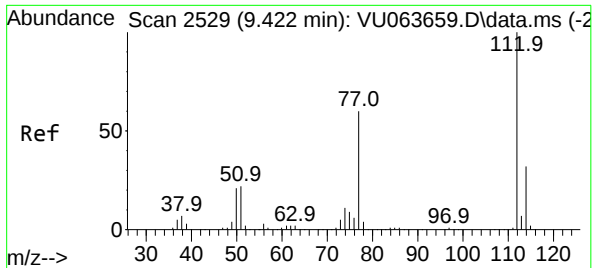
Tgt Ion: 95 Resp: 23673
Ion Ratio Lower Upper
95 100
174 76.9 59.9 89.9
176 77.6 58.8 88.2



#58
Tetrachloroethene
Concen: 0.001 ug/l
RT: 8.531 min Scan# 2252
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 164 Resp: 20
Ion Ratio Lower Upper
164 100
166 0.0 100.1 150.1#
129 0.0 77.6 116.4#
131 100.0 76.6 114.8

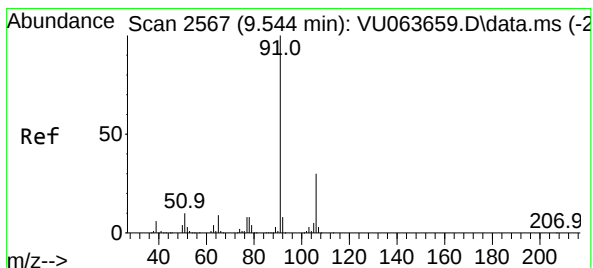
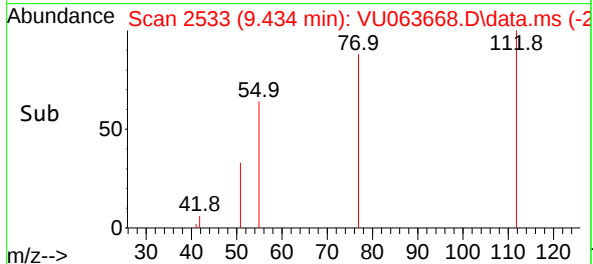
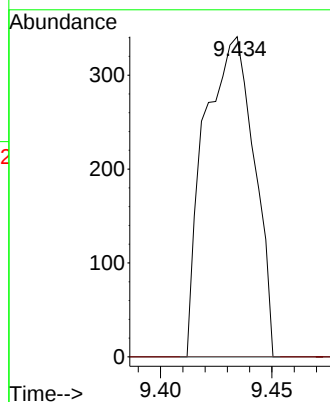
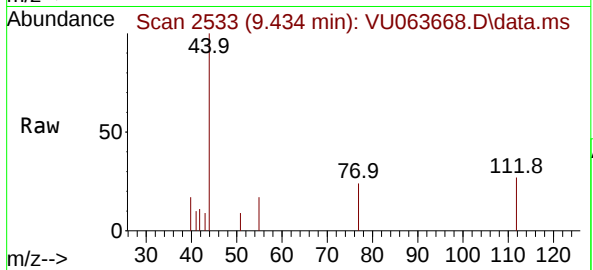




#59
Chlorobenzene
Concen: 0.010 ug/l
RT: 9.434 min Scan# 2533
Delta R.T. 0.013 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

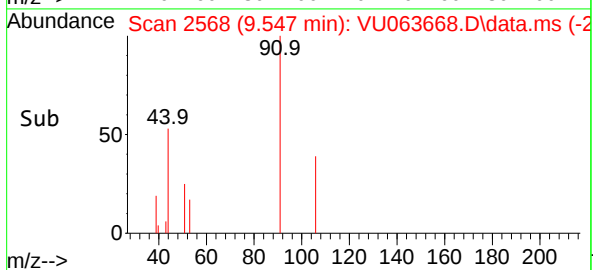
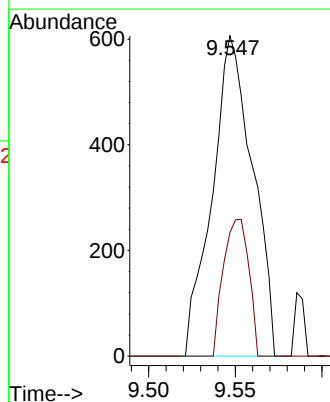
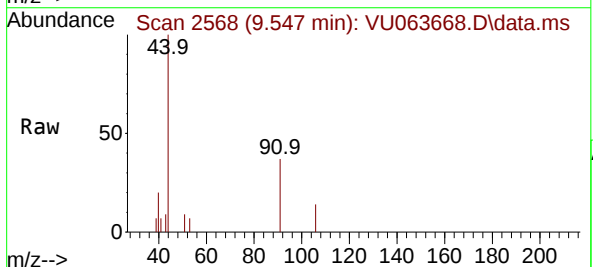
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

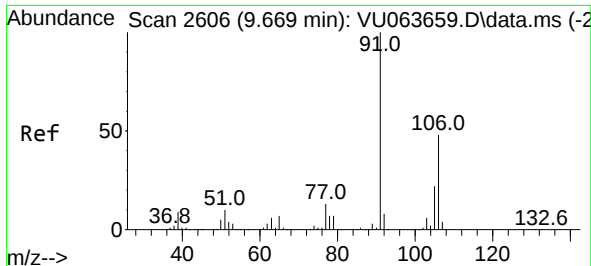
Tgt Ion:112 Resp: 528
Ion Ratio Lower Upper
112 100
114 0.0 26.0 39.0#



#63
Ethyl Benzene
Concen: 0.010 ug/l
RT: 9.547 min Scan# 2568
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion: 91 Resp: 985
Ion Ratio Lower Upper
91 100
106 38.6 24.1 36.1#

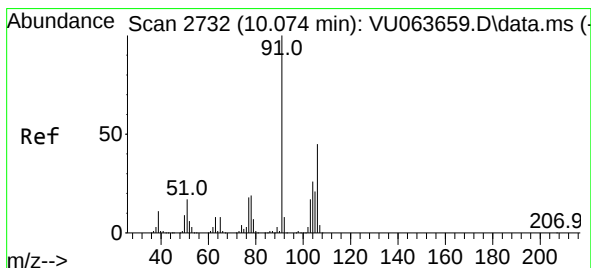
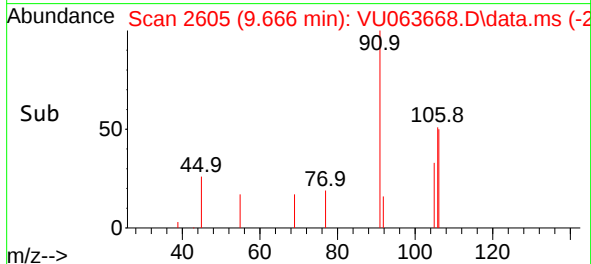
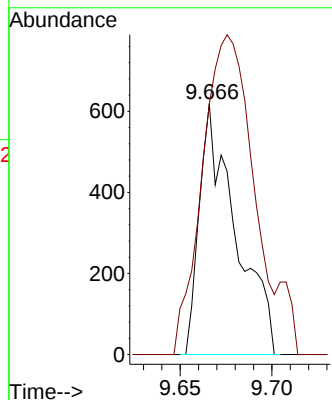
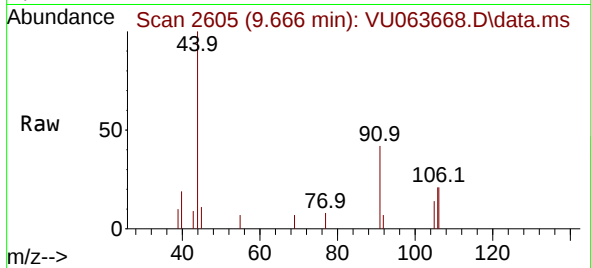




#64
m/p-Xylenes
Concen: 0.024 ug/l
RT: 9.666 min Scan# 2605
Delta R.T. -0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

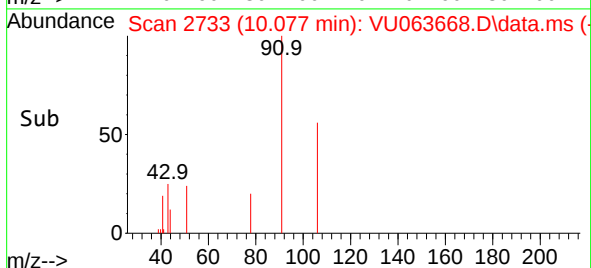
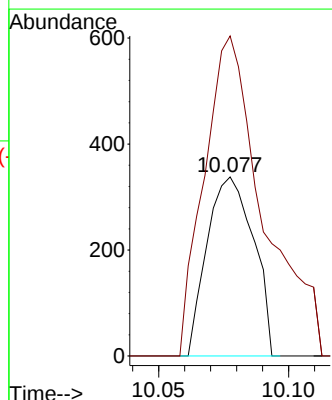
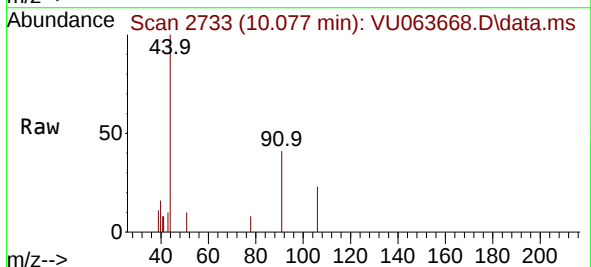
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

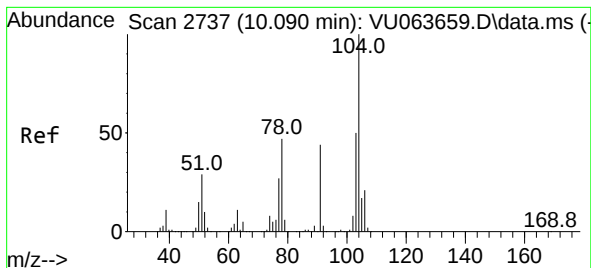
Tgt Ion:106 Resp: 846
Ion Ratio Lower Upper
106 100
91 175.9 167.0 250.4



#65
o-Xylene
Concen: 0.012 ug/l
RT: 10.077 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:106 Resp: 420
Ion Ratio Lower Upper
106 100
91 227.9 109.3 327.9





#66

Styrene

Concen: 0.010 ug/l

RT: 10.106 min Scan# 21

Delta R.T. 0.016 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

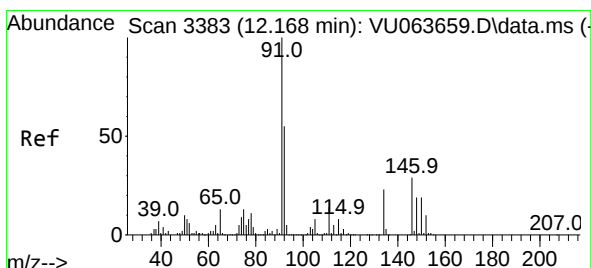
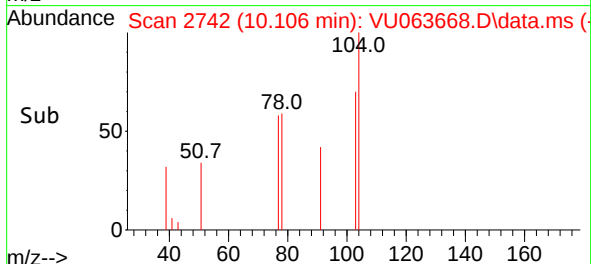
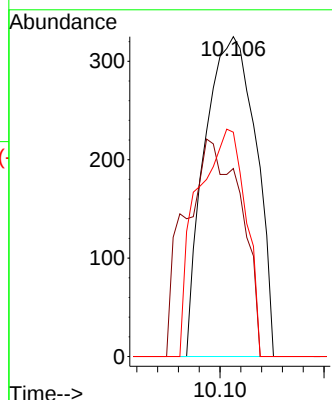
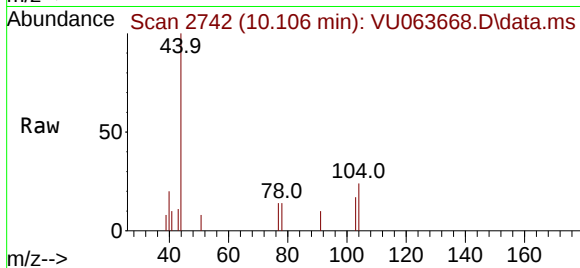
Tgt Ion:104 Resp: 553

Ion Ratio Lower Upper

104 100

78 73.8 42.8 64.2#

103 67.8 43.9 65.9#



#68

1,2-Dichlorobenzene-d4

Concen: 0.924 ug/l

RT: 12.171 min Scan# 3384

Delta R.T. 0.003 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

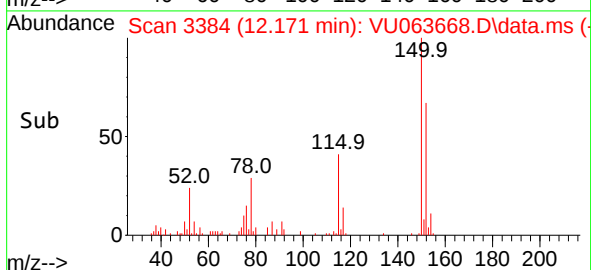
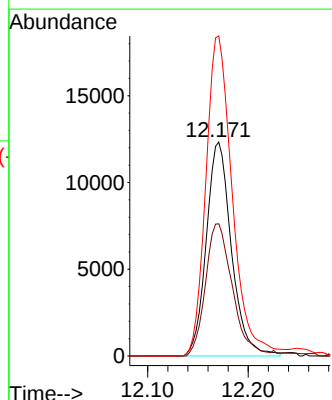
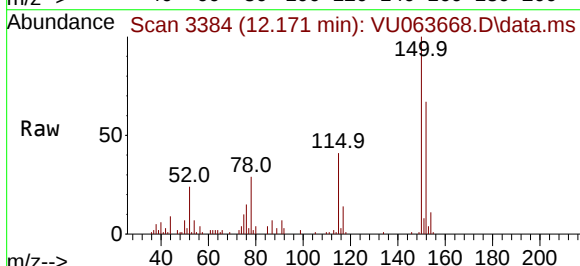
Tgt Ion:152 Resp: 21388

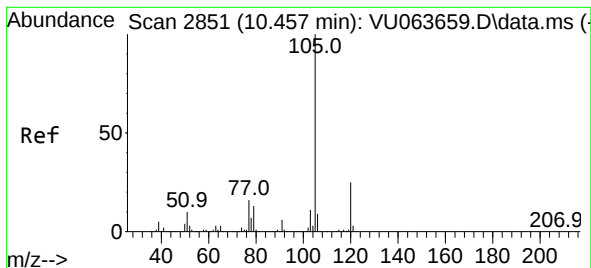
Ion Ratio Lower Upper

152 100

115 66.1 0.0 247.2

150 158.0 0.0 643.6





#69

Isopropylbenzene

Concen: 0.013 ug/l

RT: 10.460 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

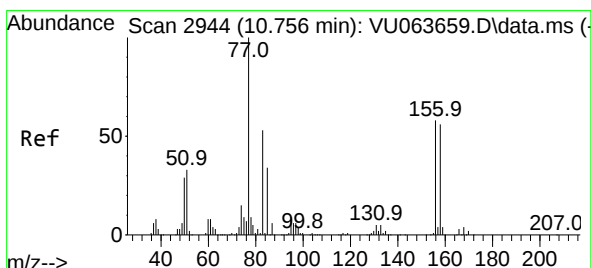
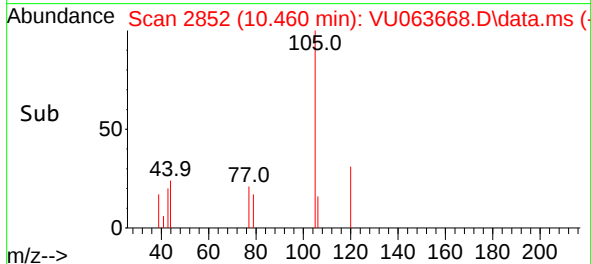
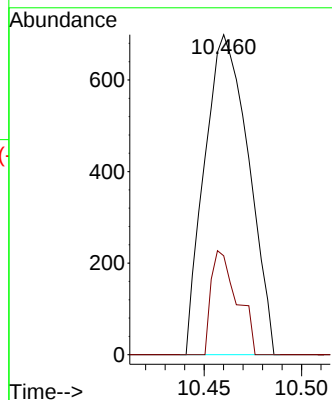
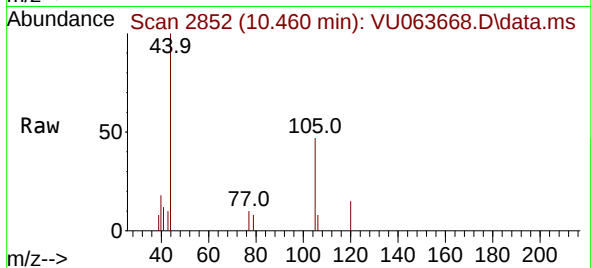
VU1105WBL01

Tgt Ion:105 Resp: 1093

Ion Ratio Lower Upper

105 100

120 19.2 12.9 38.6



#70

1,1,2,2-Tetrachloroethane

Concen: 0.006 ug/l

RT: 10.766 min Scan# 2947

Delta R.T. 0.009 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

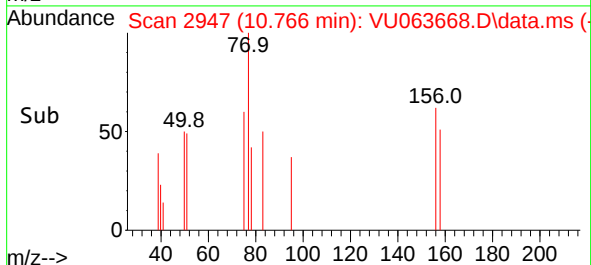
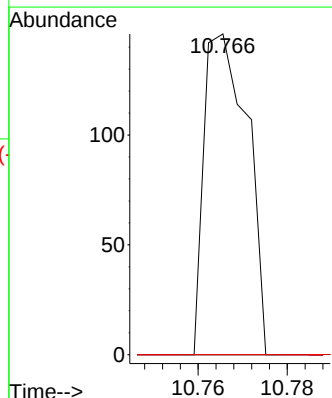
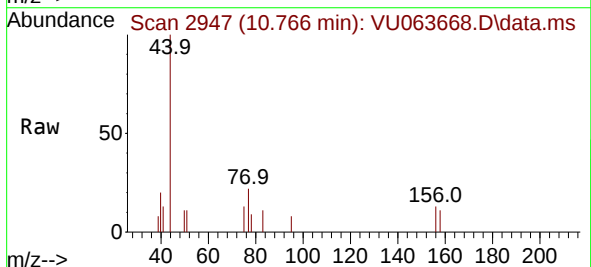
Tgt Ion: 83 Resp: 98

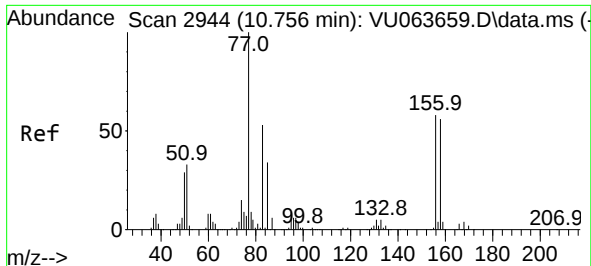
Ion Ratio Lower Upper

83 100

131 19.4 8.1 12.1#

85 0.0 51.0 76.6#

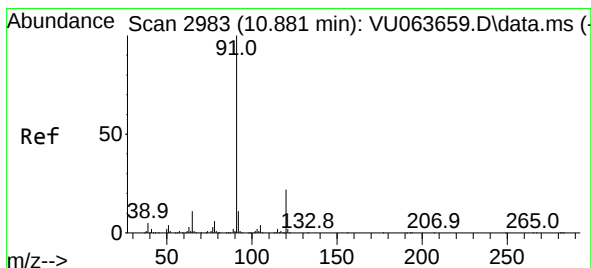
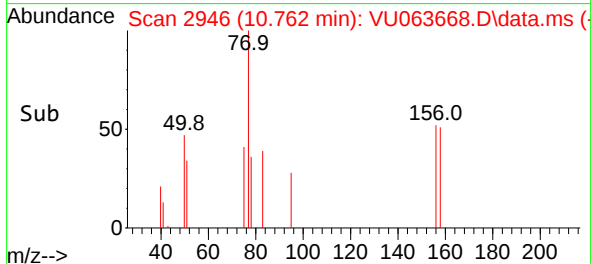
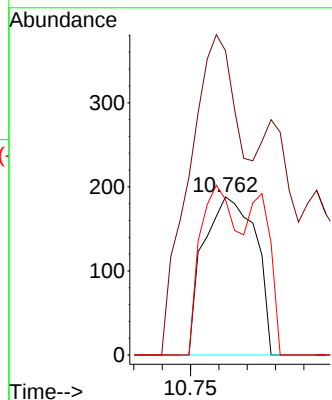
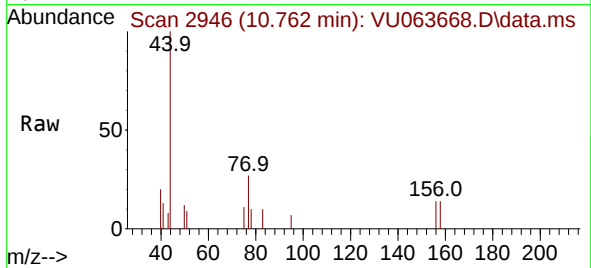




#72
Bromobenzene
Concen: 0.012 ug/l
RT: 10.762 min Scan# 2944
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

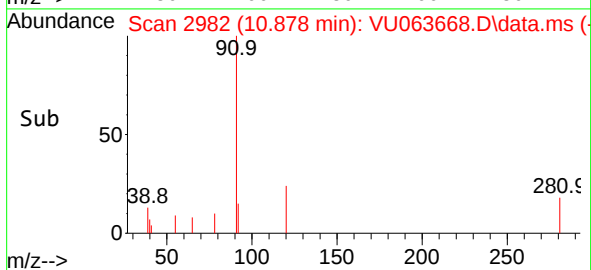
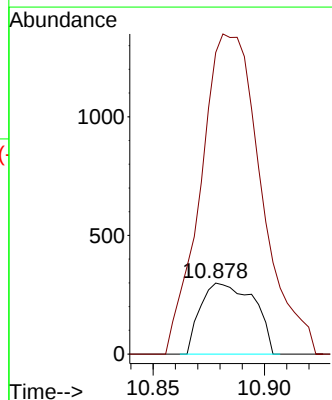
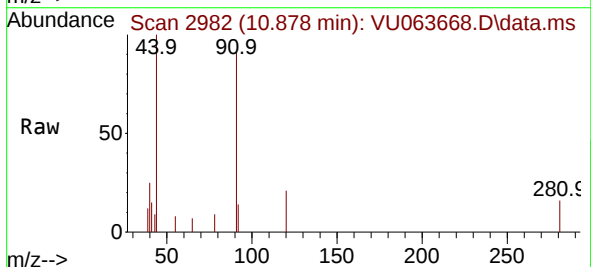
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

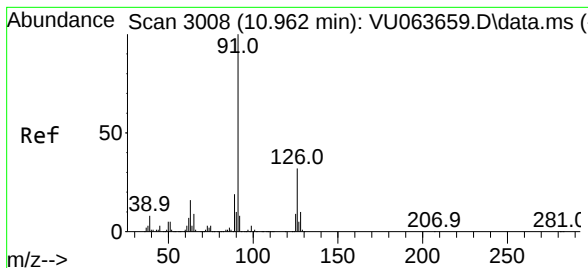
Tgt Ion:156 Resp: 239
Ion Ratio Lower Upper
156 100
77 212.1 0.0 337.2
158 80.3 0.0 191.8



#73
n-propylbenzene
Concen: 0.020 ug/l
RT: 10.878 min Scan# 2982
Delta R.T. -0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:120 Resp: 498
Ion Ratio Lower Upper
120 100
91 513.1 361.4 542.2





#74

2-Chlorotoluene

Concen: 0.014 ug/l

RT: 11.081 min Scan# 3045

Delta R.T. 0.119 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

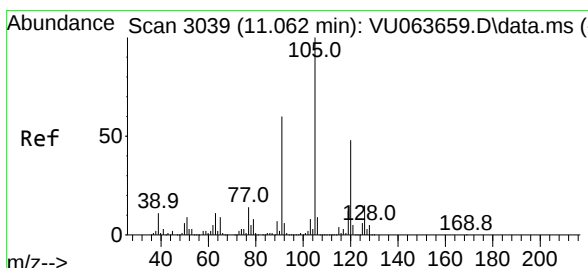
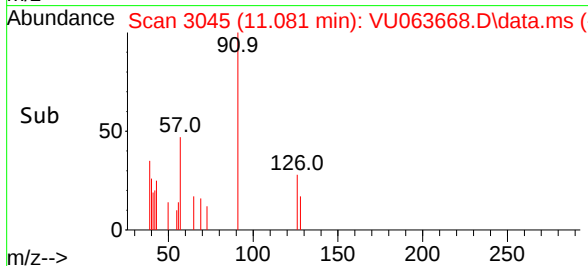
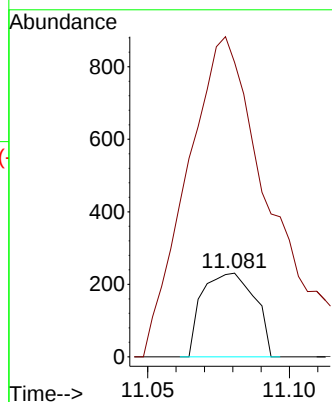
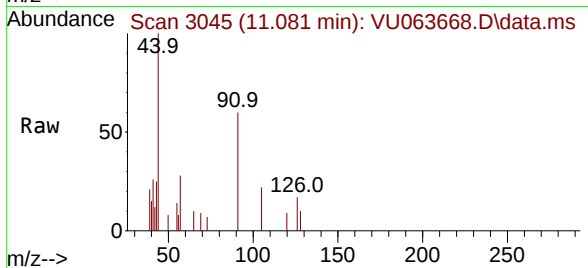
VU1105WBL01

Tgt Ion:126 Resp: 297

Ion Ratio Lower Upper

126 100

91 614.1 0.0 634.8



#75

1,3,5-Trimethylbenzene

Concen: 0.014 ug/l

RT: 11.068 min Scan# 3041

Delta R.T. 0.006 min

Lab File: VU063668.D

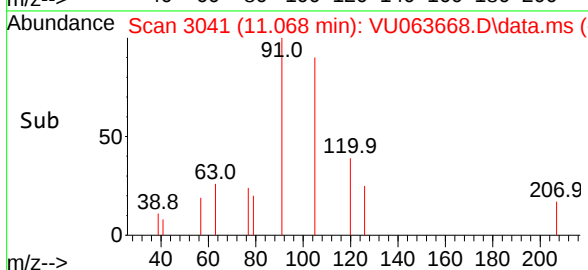
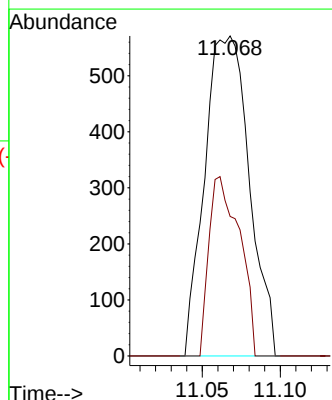
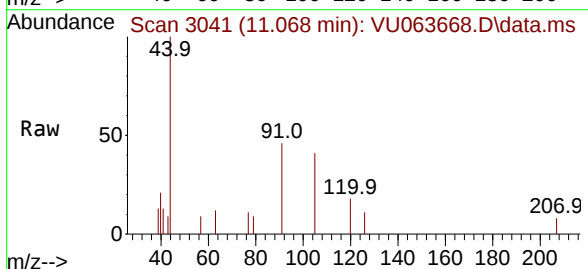
Acq: 05 Nov 2025 11:46

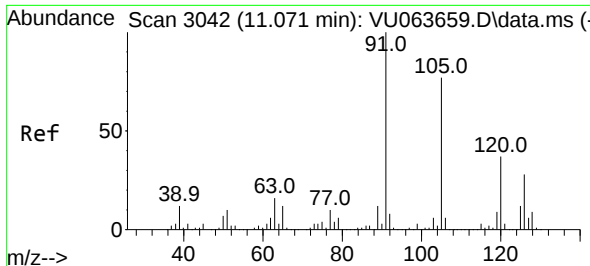
Tgt Ion:105 Resp: 1137

Ion Ratio Lower Upper

105 100

120 38.5 38.2 57.2

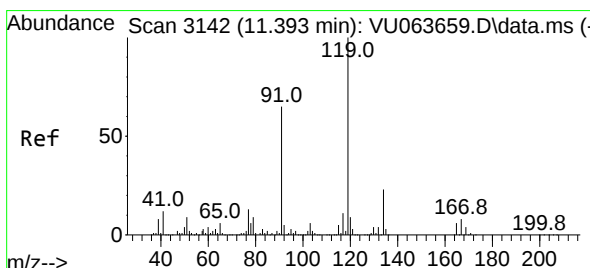
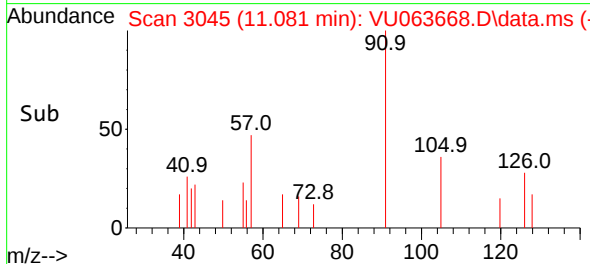
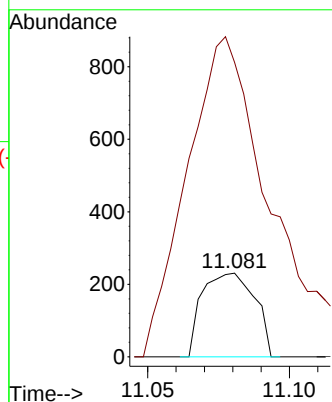
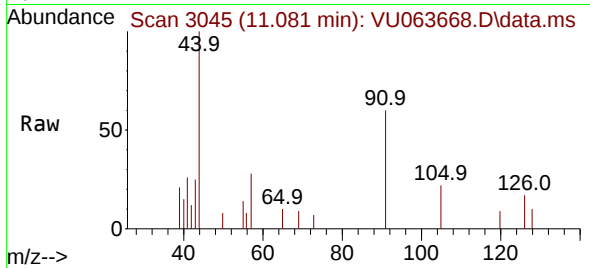




#76
4-Chlorotoluene
Concen: 0.014 ug/l
RT: 11.081 min Scan# 3042
Delta R.T. 0.009 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

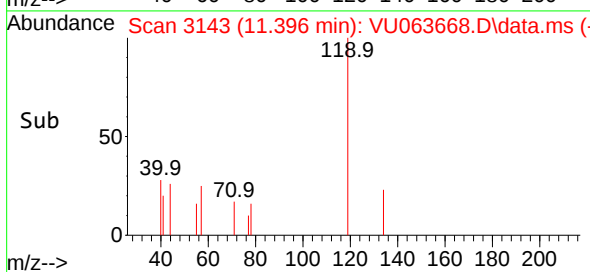
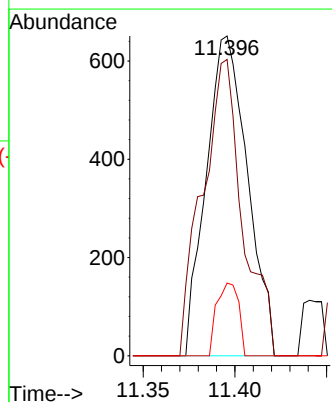
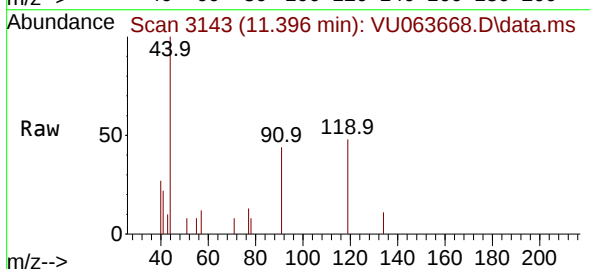
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

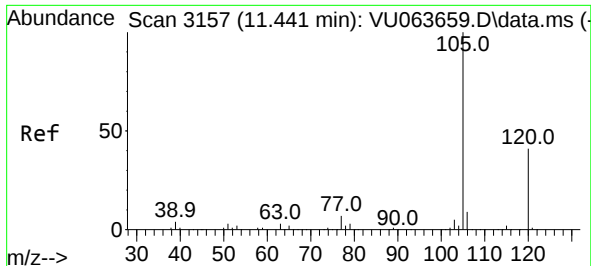
Tgt Ion:126 Resp: 297
Ion Ratio Lower Upper
126 100
91 614.1 0.0 716.6



#77
tert-Butylbenzene
Concen: 0.013 ug/l
RT: 11.396 min Scan# 3143
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:119 Resp: 1021
Ion Ratio Lower Upper
119 100
91 90.1 31.3 93.8
134 11.9 18.7 28.1#





#78

1,2,4-Trimethylbenzene

Concen: 0.026 ug/l

RT: 11.447 min Scan# 3157

Delta R.T. 0.006 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Instrument :

MSVOA_U

ClientSampleId :

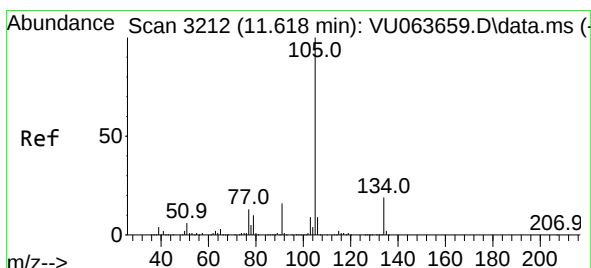
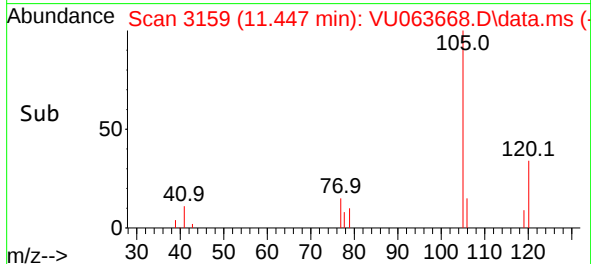
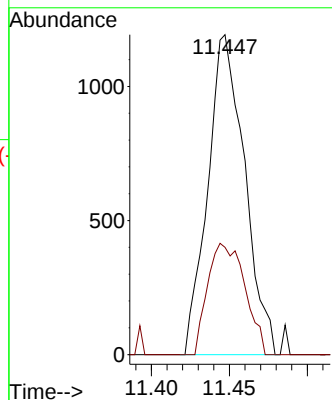
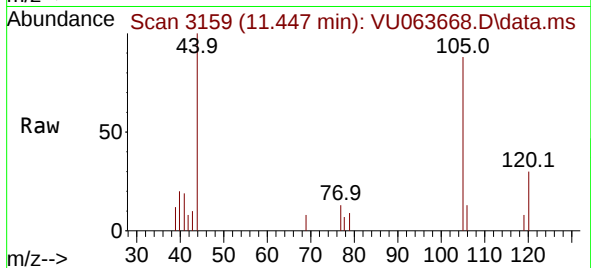
VU1105WBL01

Tgt Ion:105 Resp: 1961

Ion Ratio Lower Upper

105 100

120 35.1 22.4 67.0



#79

sec-Butylbenzene

Concen: 0.021 ug/l

RT: 11.618 min Scan# 3212

Delta R.T. -0.000 min

Lab File: VU063668.D

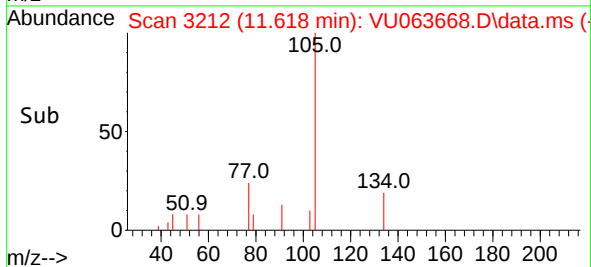
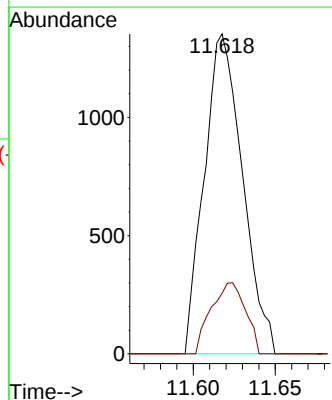
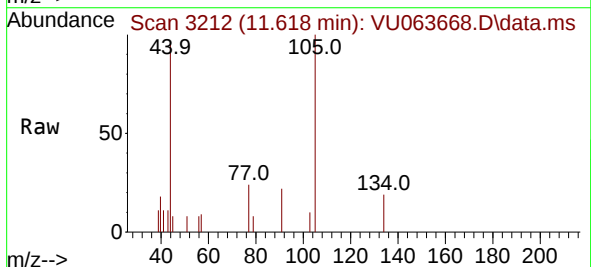
Acq: 05 Nov 2025 11:46

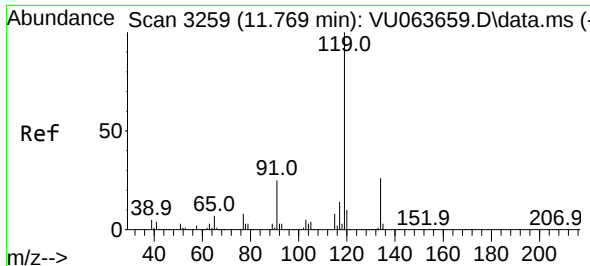
Tgt Ion:105 Resp: 2189

Ion Ratio Lower Upper

105 100

134 20.0 15.7 23.5

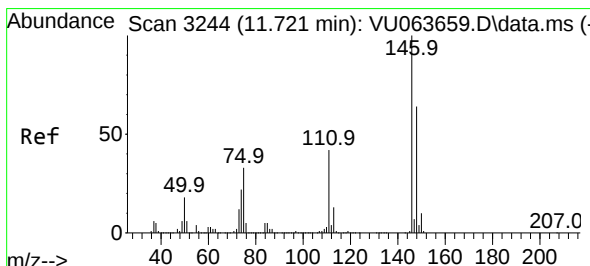
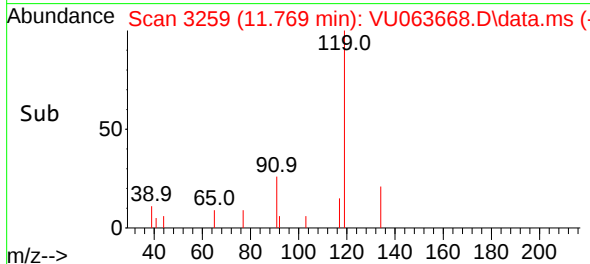
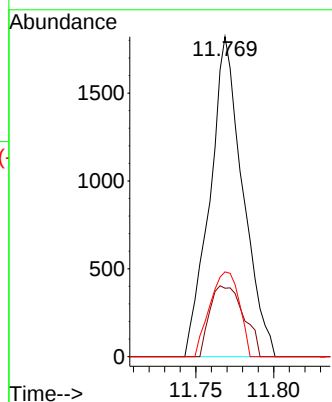
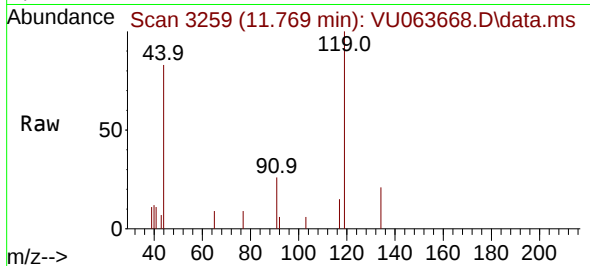




#81
p-Isopropyltoluene
Concen: 0.032 ug/l
RT: 11.769 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

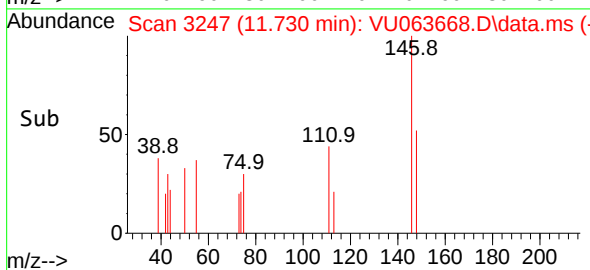
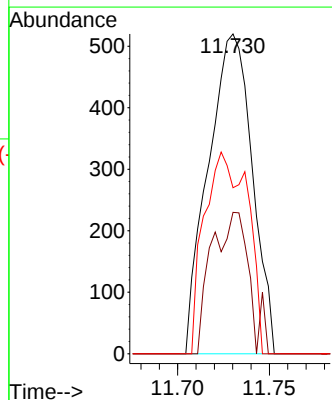
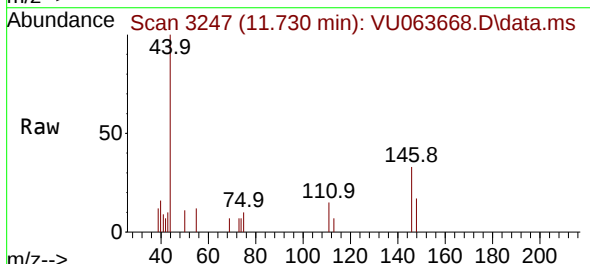
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

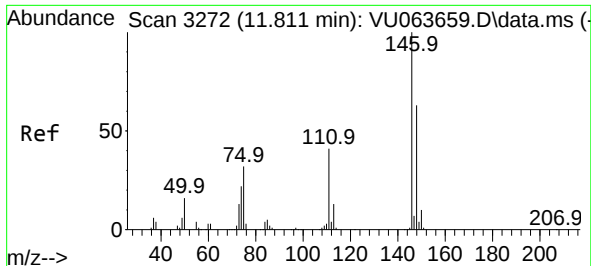
Tgt Ion:	119	Resp:	2664
Ion Ratio	Lower	Upper	
119	100		
134	22.7	20.3	30.5
91	23.7	20.1	30.1



#82
1,3-Dichlorobenzene
Concen: 0.022 ug/l
RT: 11.730 min Scan# 3247
Delta R.T. 0.009 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:	146	Resp:	868
Ion Ratio	Lower	Upper	
146	100		
111	37.7	33.8	50.8
148	62.1	50.8	76.2

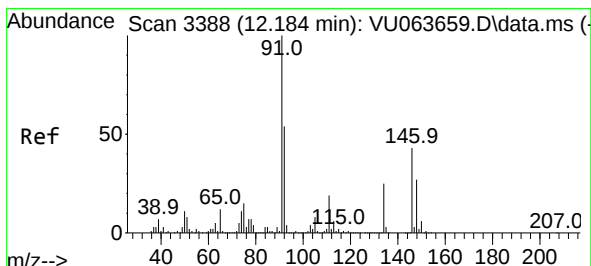
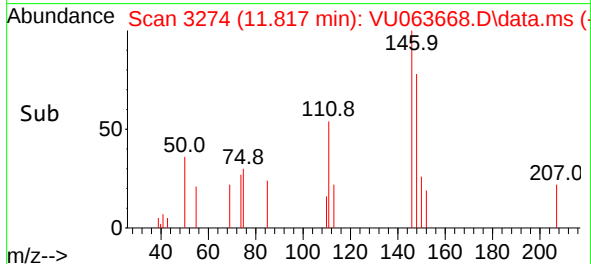
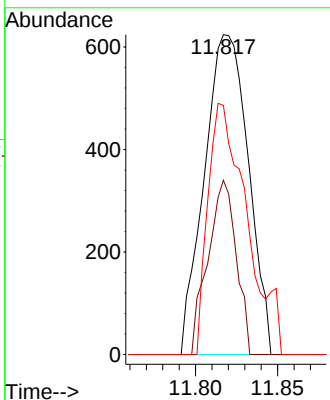
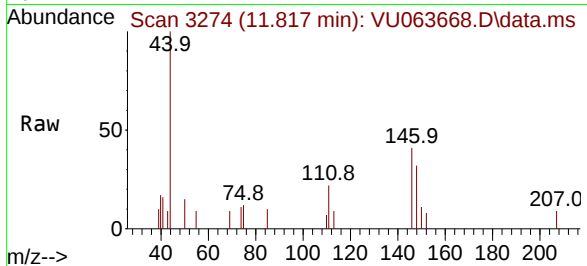




#83
1,4-Dichlorobenzene
Concen: 0.029 ug/l
RT: 11.817 min Scan# 311
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

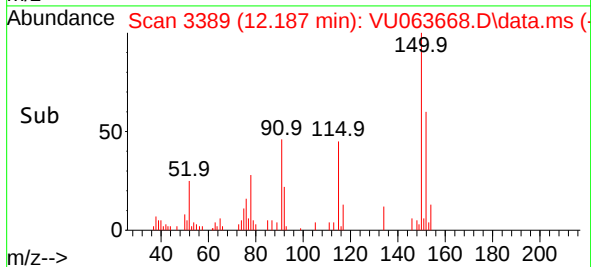
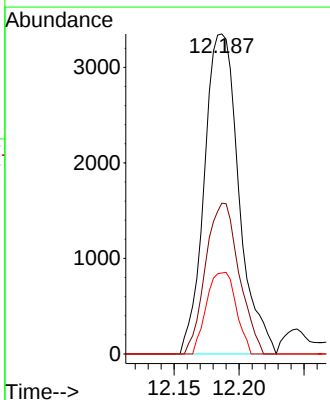
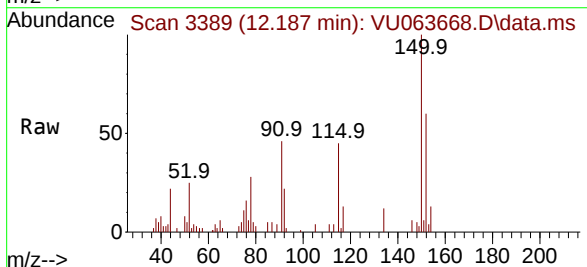
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

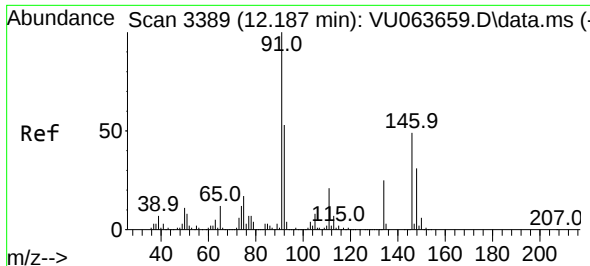
Tgt Ion:	146	Resp:	1164
Ion	Ratio	Lower	Upper
146	100		
111	35.1	33.0	49.4
148	69.4	50.6	76.0



#84
n-Butylbenzene
Concen: 0.083 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.003 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:	91	Resp:	6194
Ion	Ratio	Lower	Upper
91	100		
92	45.5	43.1	64.7
134	21.7	19.7	29.5

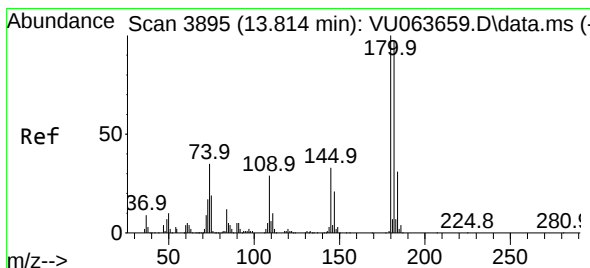
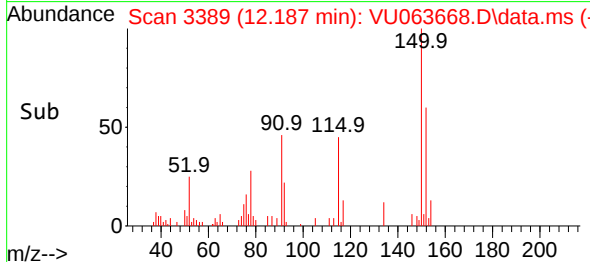
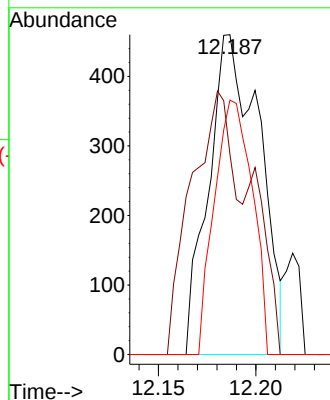
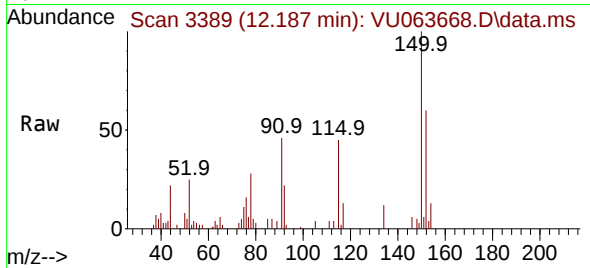




#85
1,2-Dichlorobenzene
Concen: 0.022 ug/l
RT: 12.187 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

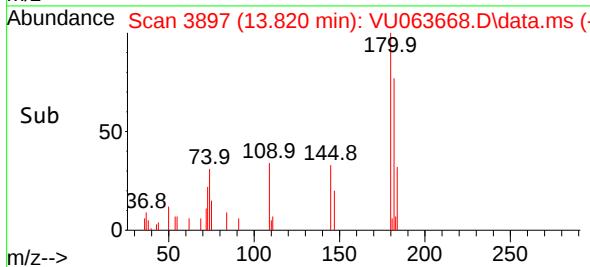
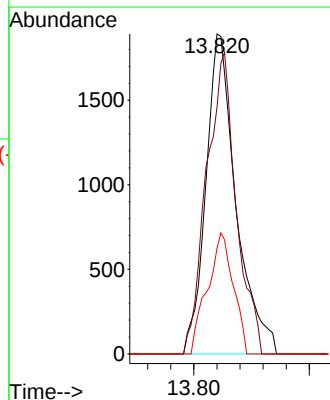
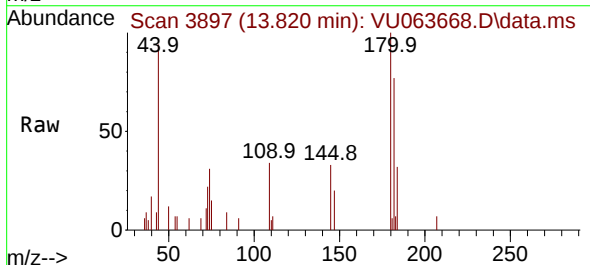
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

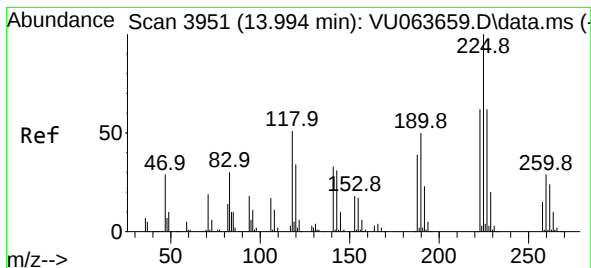
Tgt Ion:146 Resp: 836
Ion Ratio Lower Upper
146 100
111 71.4 22.2 66.6#
148 59.1 31.9 95.5



#87
1,2,4-Trichlorobenzene
Concen: 0.146 ug/l
RT: 13.820 min Scan# 3897
Delta R.T. 0.006 min
Lab File: VU063668.D
Acq: 05 Nov 2025 11:46

Tgt Ion:180 Resp: 3431
Ion Ratio Lower Upper
180 100
182 92.5 76.4 114.6
145 32.3 26.2 39.2





#88

Hexachlorobutadiene

Concen: 0.044 ug/l

RT: 13.994 min Scan# 3951

Delta R.T. -0.000 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

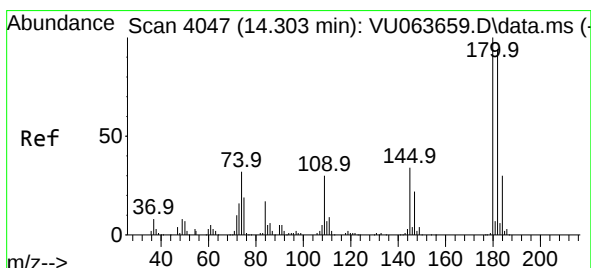
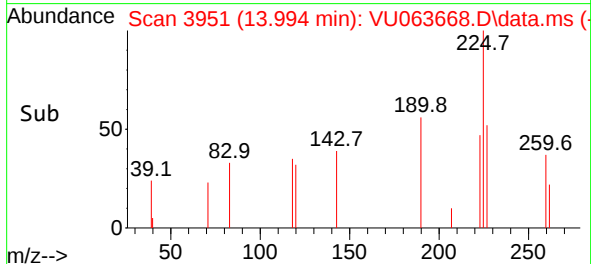
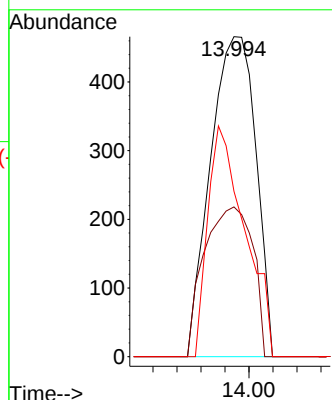
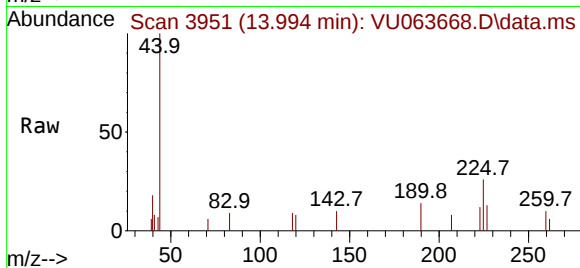
Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

Tgt Ion:	225	Resp:	614
Ion	Ratio	Lower	Upper
225	100		
223	50.0	50.2	75.4
227	58.8	50.0	75.0



#90

1,2,3-Trichlorobenzene

Concen: 0.188 ug/l

RT: 14.309 min Scan# 4049

Delta R.T. 0.006 min

Lab File: VU063668.D

Acq: 05 Nov 2025 11:46

Tgt Ion:	180	Resp:	4017
Ion	Ratio	Lower	Upper
180	100		
182	89.1	75.4	113.0
145	31.9	27.4	41.2

