

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063679.D
 Acq On : 07 Nov 2025 10:42
 Operator : MD/SY
 Sample : VU1107WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBL01

Quant Time: Nov 08 02:39:10 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	53185	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.614	95	22208	0.923	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	18858	0.874	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.509	50	437	0.023	ug/l	89
4) Vinyl Chloride	1.583	62	111	0.006	ug/l #	43
5) Bromomethane	1.840	94	400	0.035	ug/l #	67
6) Chloroethane	1.917	64	91	0.008	ug/l #	43
9) 1,1-Dichloroethene	2.554	96	150	0.010	ug/l	55
10) Iodomethane	2.705	142	82	0.004	ug/l #	29
11) Allyl Chloride	2.907	41	123	0.005	ug/l	97
12) Acrylonitrile	3.296	53	198	0.056	ug/l #	79
13) Acetone	2.608	43	1161	0.185	ug/l	99
14) Carbon Disulfide	2.763	76	819	0.020	ug/l #	74
15) Methylene Chloride	3.017	84	2006	0.109	ug/l	88
16) trans-1,2-Dichloroethene	3.335	96	414	0.026	ug/l #	49
17) 1,1-Dichloroethane	3.843	63	89	0.003	ug/l #	82
18) 2-Butanone	4.656	43	116	0.017	ug/l	86
19) Cyclohexane	5.341	56	155	0.006	ug/l #	61
21) 2,2-Dichloropropane	4.663	77	84	0.003	ug/l	92
22) cis-1,2-Dichloroethene	4.634	96	205	0.011	ug/l	56
25) Methyl tert-Butyl Ether	3.338	73	196	0.005	ug/l #	1
26) Bromochloromethane	4.846	128	79	0.010	ug/l #	1
27) Chloroform	5.062	83	399	0.012	ug/l	84
28) 1,1,1-Trichloroethane	5.280	97	206	0.007	ug/l #	38
29) 1,1-Dichloropropene	5.480	75	137	0.006	ug/l #	58
30) Carbon Tetrachloride	5.496	117	67	0.003	ug/l #	13
31) Isopropyl Ether	3.978	45	130	0.003	ug/l	85
33) Tert-Amyl methyl ether	5.943	73	51	0.001	ug/l #	5
34) Propionitrile	4.763	54	228	0.176	ug/l #	1
35) Benzene	5.573	78	77	0.001	ug/l	98
36) 1,2-Dichloroethane	5.775	62	126	0.006	ug/l #	30
37) Trichloroethene	6.502	130	179	0.009	ug/l	89
39) Methacrylonitrile	4.946	41	119	0.018	ug/l #	41
40) Methyl acrylate	4.843	55	19	0.002	ug/l #	1
41) Tetrahydrofuran	5.033	42	187	0.064	ug/l #	61
42) 1-Chlorobutane	5.287	56	89	0.003	ug/l	70
45) 4-Methyl-2-Pentanone	7.791	43	1306	0.112	ug/l #	69
47) Methyl methacrylate	6.959	69	197	0.022	ug/l #	46
48) Ethyl methacrylate	8.309	69	42	0.002	ug/l #	1
49) Toluene	7.946	92	449	0.010	ug/l #	73
50) t-1,3-Dichloropropene	8.196	75	106	0.005	ug/l #	70
51) cis-1,3-Dichloropropene	7.589	75	71	0.003	ug/l #	1
53) 1,3-Dichloropropane	8.553	76	144	0.006	ug/l #	42
54) 2-Hexanone	8.704	43	1701	0.173	ug/l #	62
58) Tetrachloroethene	8.528	164	137	0.007	ug/l #	58
59) Chlorobenzene	9.428	112	736	0.015	ug/l	98

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Instrument :
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Quant Time: Nov 08 02:39:10 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)

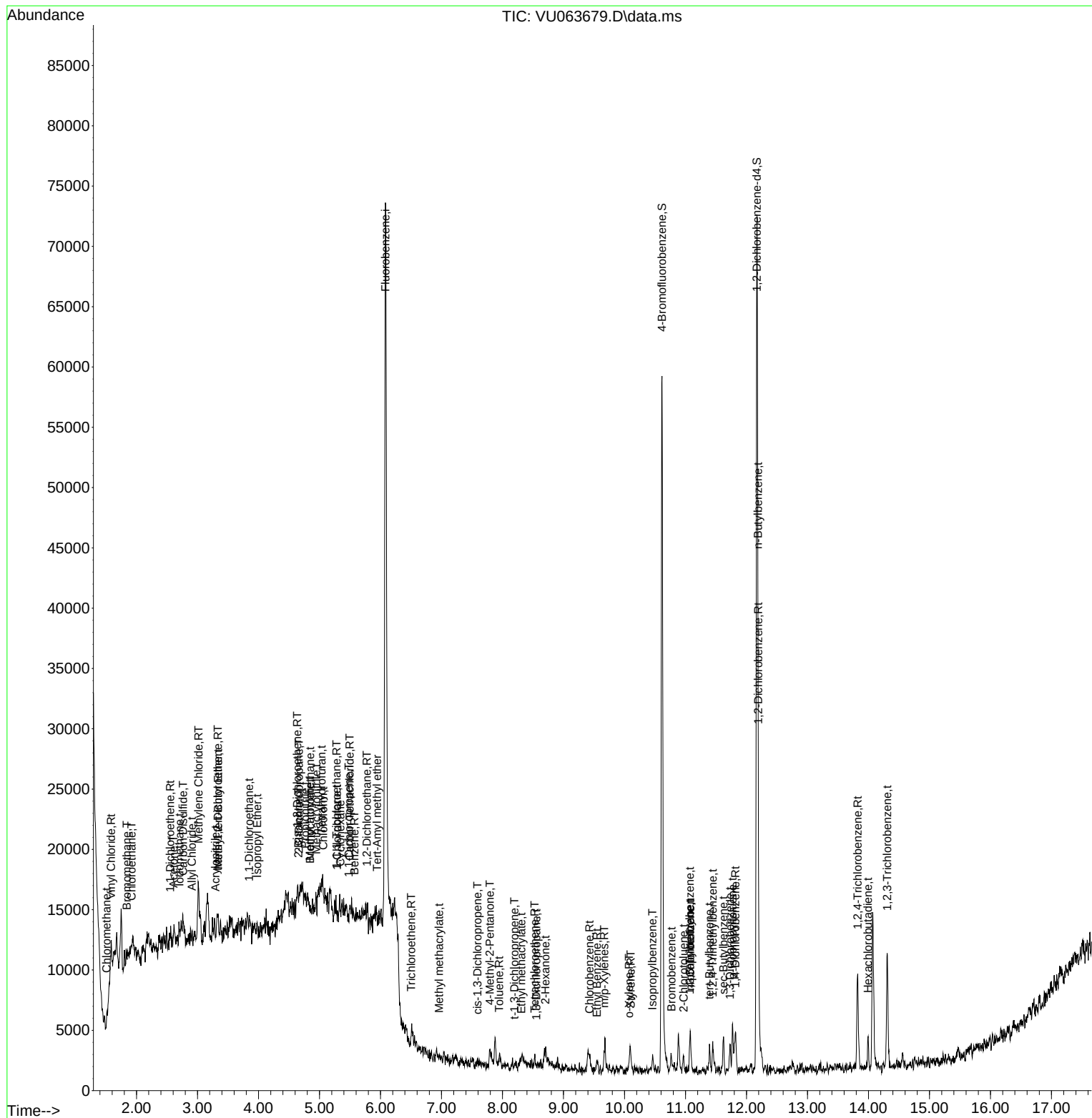
63) Ethyl Benzene	9.547	91	1130	0.013	ug/l	95
64) m/p-Xylenes	9.669	106	913	0.028	ug/l	99
65) o-Xylene	10.074	106	314	0.010	ug/l	92
66) Styrene	10.103	104	771	0.015	ug/l #	82
69) Isopropylbenzene	10.460	105	1195	0.015	ug/l	87
72) Bromobenzene	10.769	156	355	0.018	ug/l	58
73) n-propylbenzene	11.074	120	541	0.024	ug/l	67
74) 2-Chlorotoluene	10.968	126	233	0.012	ug/l	1
75) 1,3,5-Trimethylbenzene	11.071	105	1314	0.018	ug/l	90
76) 4-Chlorotoluene	11.081	126	446	0.023	ug/l	60
77) tert-Butylbenzene	11.392	119	1125	0.016	ug/l #	89
78) 1,2,4-Trimethylbenzene	11.447	105	1922	0.027	ug/l	96
79) sec-Butylbenzene	11.621	105	2085	0.022	ug/l	98
81) p-Isopropyltoluene	11.772	119	2373	0.030	ug/l	99
82) 1,3-Dichlorobenzene	11.730	146	1185	0.032	ug/l #	84
83) 1,4-Dichlorobenzene	11.820	146	1658	0.045	ug/l #	77
84) n-Butylbenzene	12.187	91	5821	0.083	ug/l	96
85) 1,2-Dichlorobenzene	12.193	146	839	0.024	ug/l #	58
87) 1,2,4-Trichlorobenzene	13.823	180	3016	0.138	ug/l	99
88) Hexachlorobutadiene	13.990	225	551	0.042	ug/l	88
90) 1,2,3-Trichlorobenzene	14.309	180	3573	0.179	ug/l	96

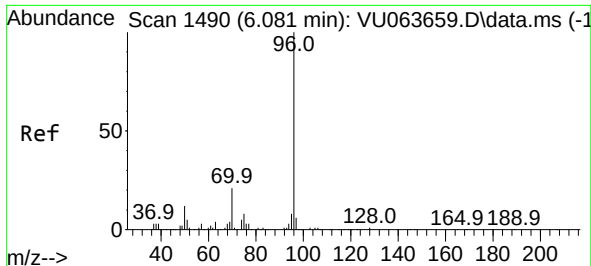
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QLast Update : Mon Nov 03 00:51:51 2025
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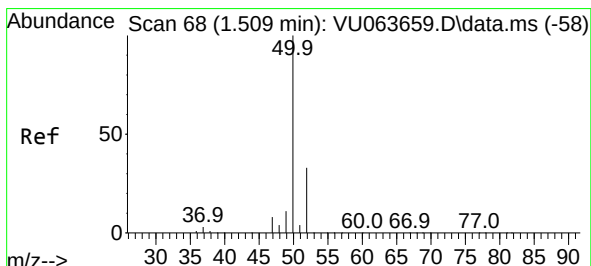
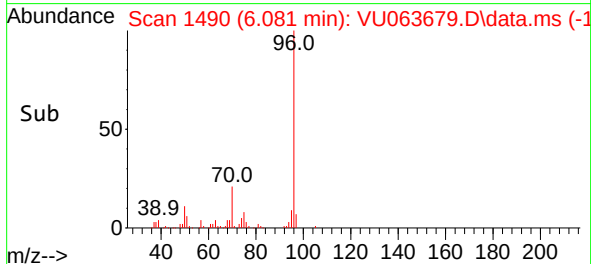
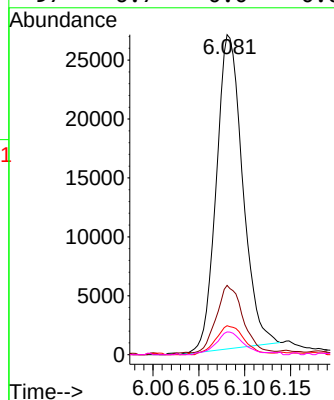
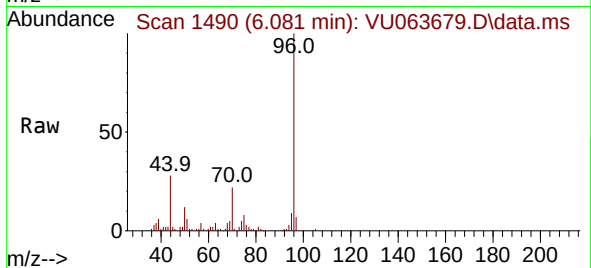




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.081 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

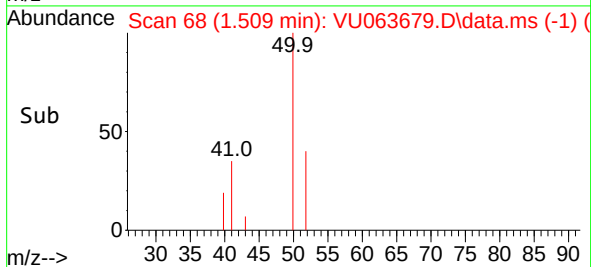
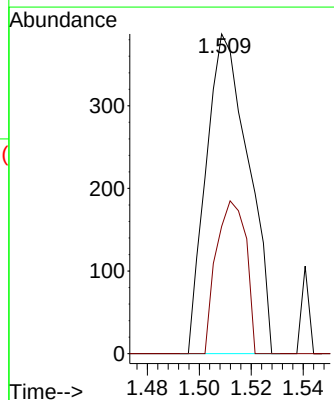
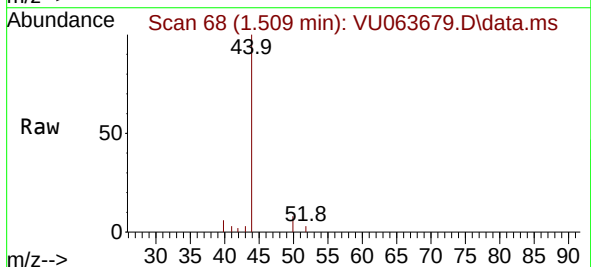
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

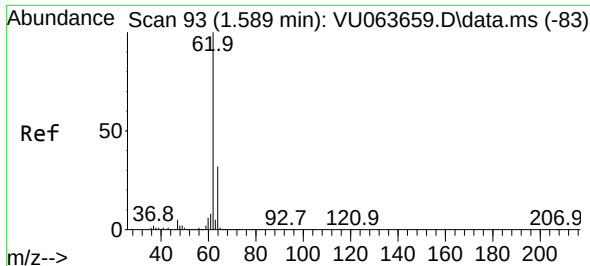
Tgt Ion:	96	Resp:	53185
Ion	Ratio	Lower	Upper
96	100		
70	20.9	15.3	22.9
95	9.4	6.5	9.7
97	6.7	0.0	0.0



#3
Chloromethane
Concen: 0.023 ug/l
RT: 1.509 min Scan# 68
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion:	50	Resp:	437
Ion	Ratio	Lower	Upper
50	100		
52	39.8	26.6	40.0

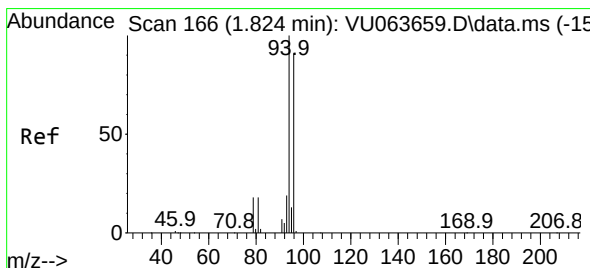
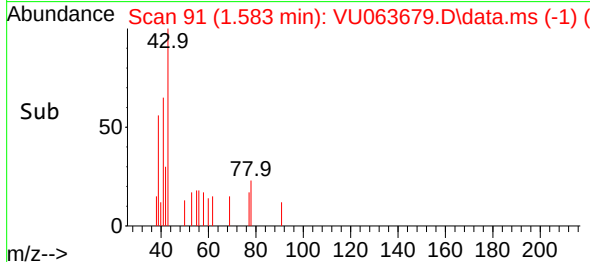
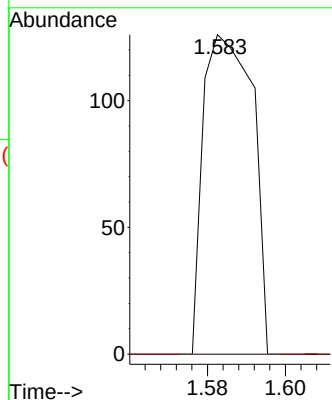
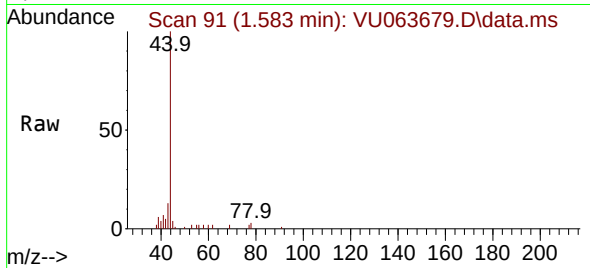




#4
 Vinyl Chloride
 Concen: 0.006 ug/l
 RT: 1.583 min Scan# 91
 Delta R.T. -0.007 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

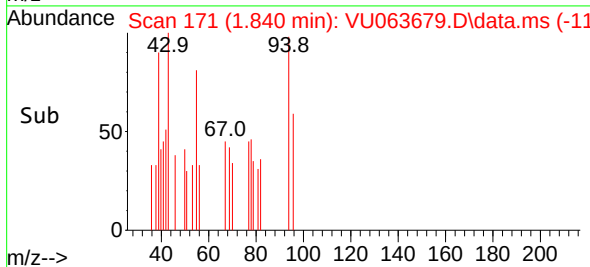
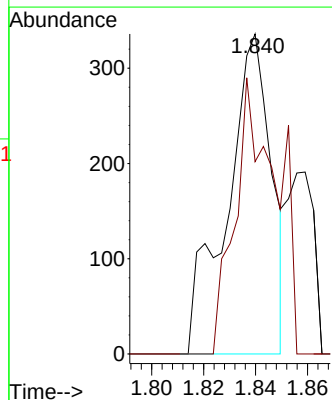
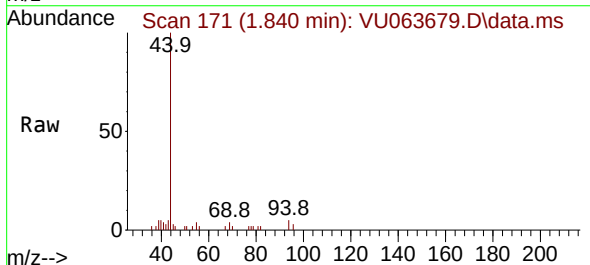
Instrument :
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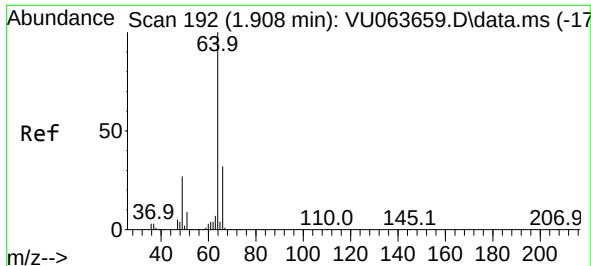
Tgt Ion: 62 Resp: 111
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.2 37.8#



#5
 Bromomethane
 Concen: 0.035 ug/l
 RT: 1.840 min Scan# 171
 Delta R.T. 0.016 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

Tgt Ion: 94 Resp: 400
 Ion Ratio Lower Upper
 94 100
 96 60.1 73.0 109.6#

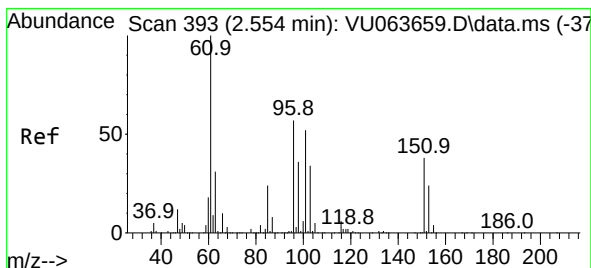
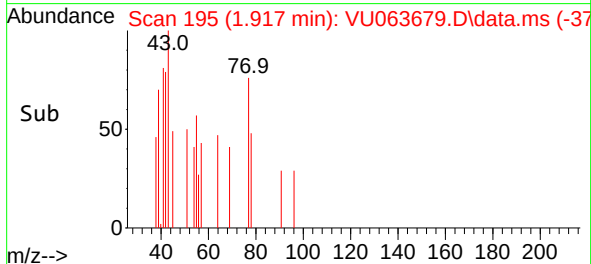
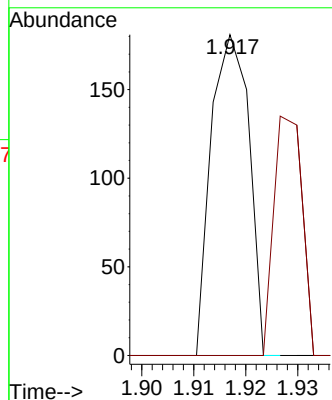
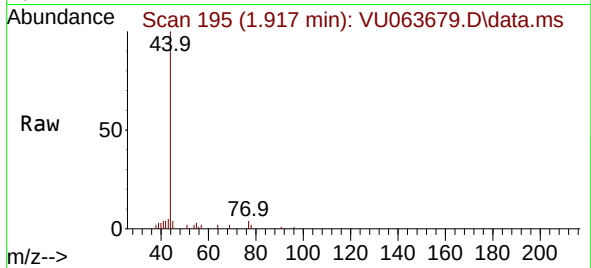




#6
Chloroethane
Concen: 0.008 ug/l
RT: 1.917 min Scan# 195
Delta R.T. 0.009 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

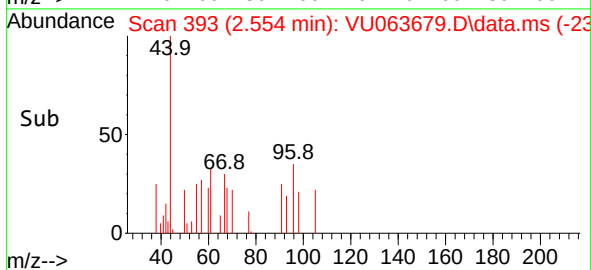
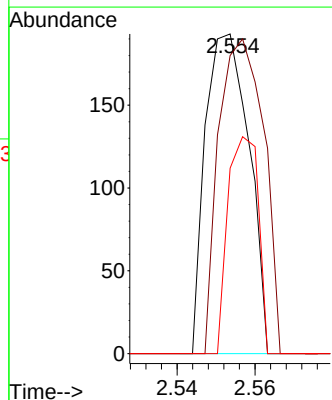
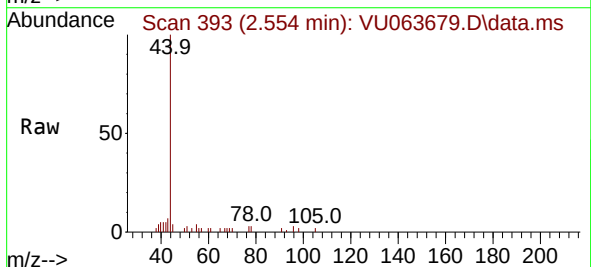
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

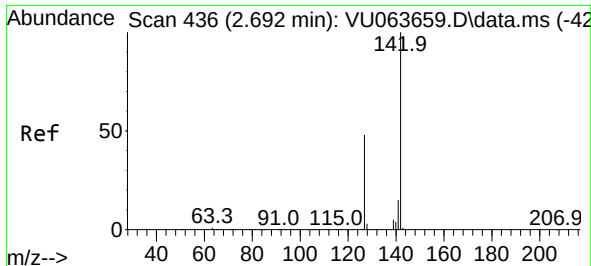
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#9
1,1-Dichloroethene
Concen: 0.010 ug/l
RT: 2.554 min Scan# 393
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 96 Resp: 150
Ion Ratio Lower Upper
96 100
61 93.3 0.0 524.7
98 58.0 0.0 126.8

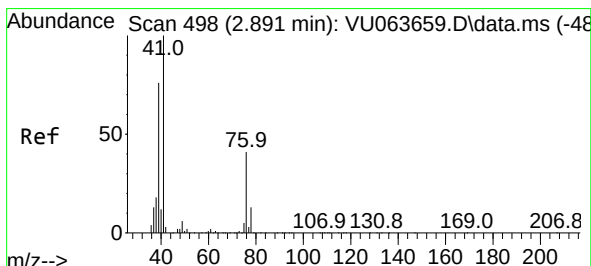
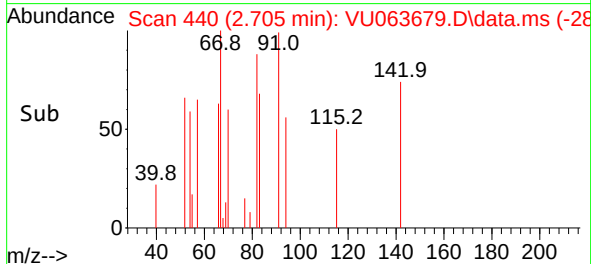
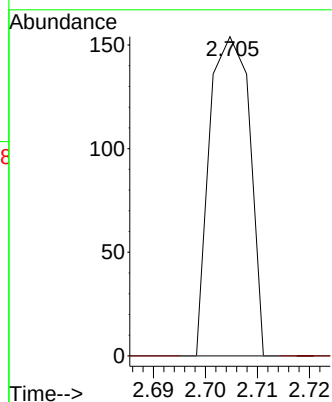
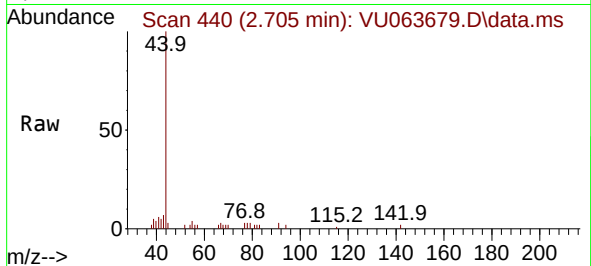




#10
Iodomethane
Concen: 0.004 ug/l
RT: 2.705 min Scan# 44
Delta R.T. 0.013 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

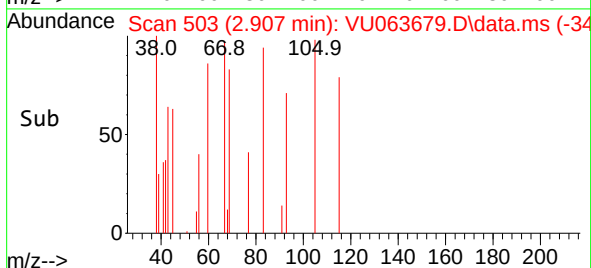
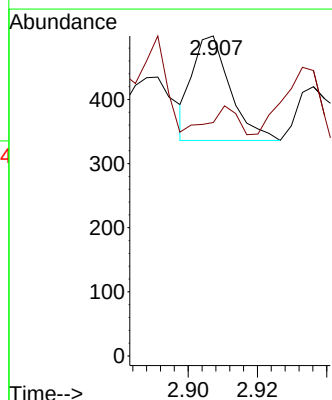
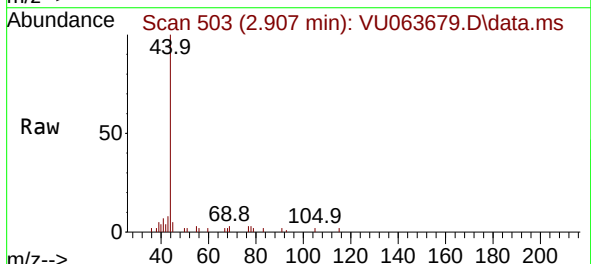
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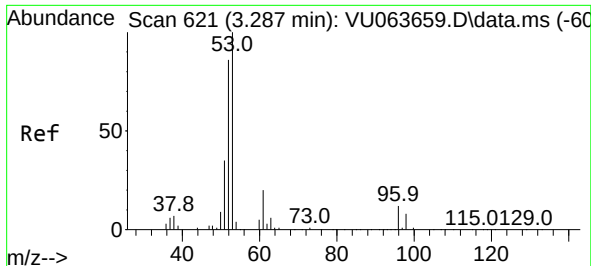
Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 38.6 58.0#



#11
Allyl Chloride
Concen: 0.005 ug/l
RT: 2.907 min Scan# 503
Delta R.T. 0.016 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 41 Resp: 123
Ion Ratio Lower Upper
41 100
39 74.0 61.0 91.4

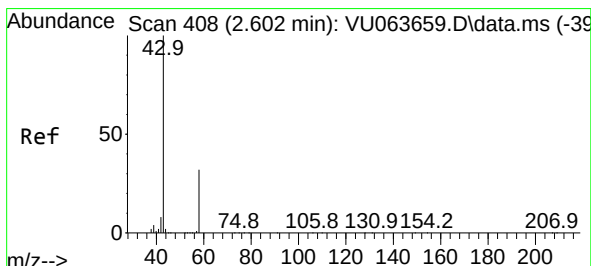
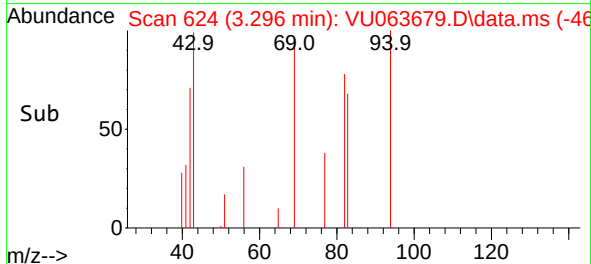
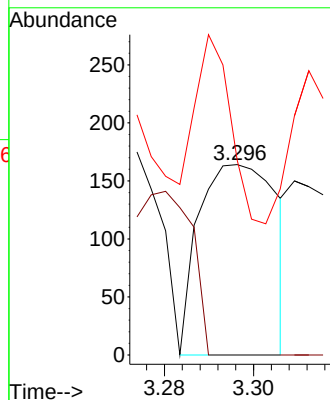
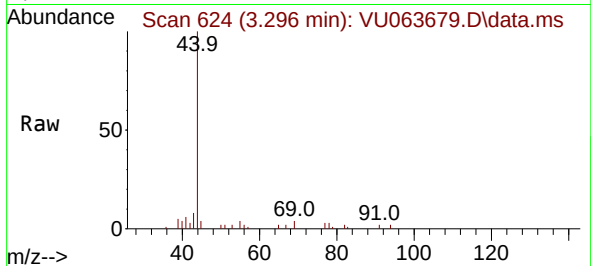




#12
Acrylonitrile
Concen: 0.056 ug/l
RT: 3.296 min Scan# 61
Delta R.T. 0.009 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

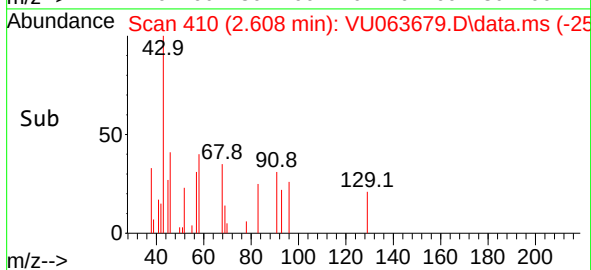
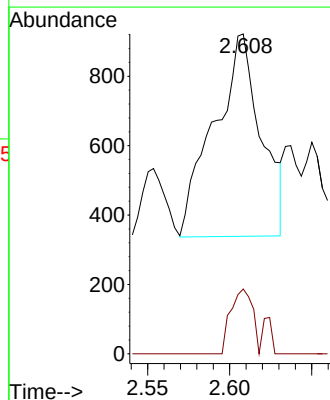
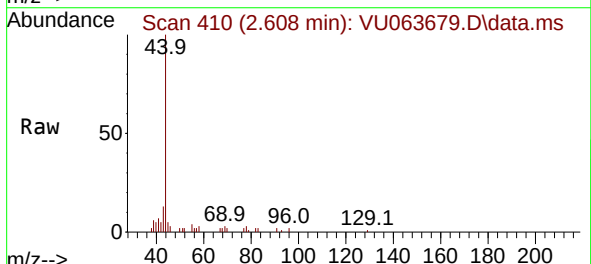
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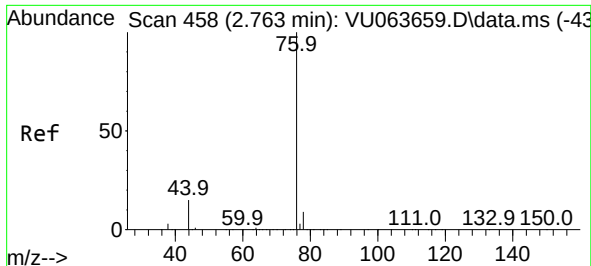
Tgt Ion: 53 Resp: 198
Ion Ratio Lower Upper
53 100
52 61.6 65.4 98.0#
51 44.9 27.6 41.4#



#13
Acetone
Concen: 0.185 ug/l
RT: 2.608 min Scan# 410
Delta R.T. 0.006 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
58 32.1 25.2 37.8

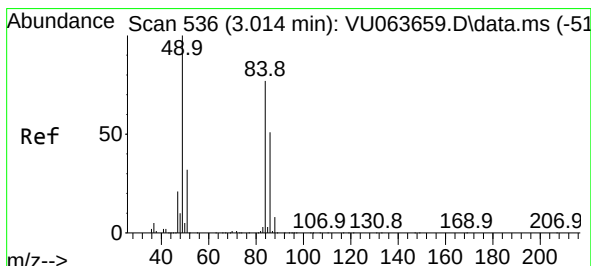
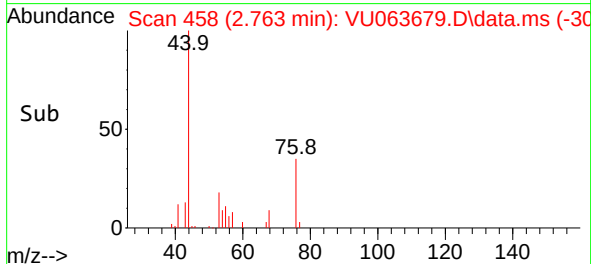
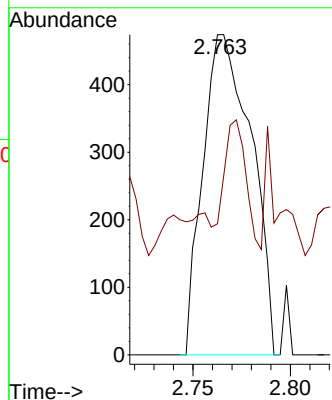
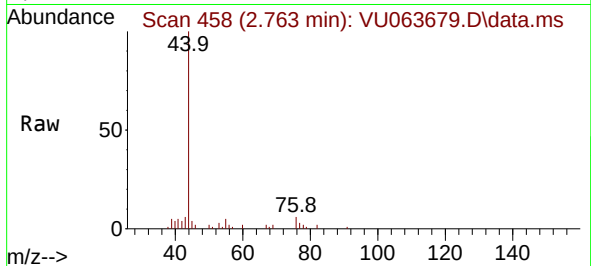




#14
Carbon Disulfide
Concen: 0.020 ug/l
RT: 2.763 min Scan# 458
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

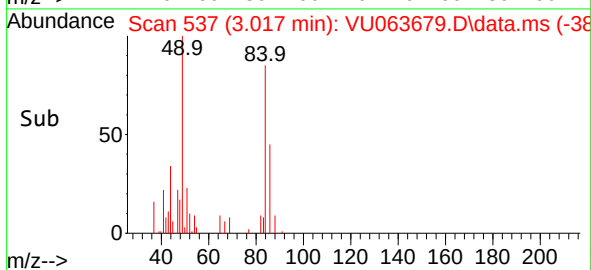
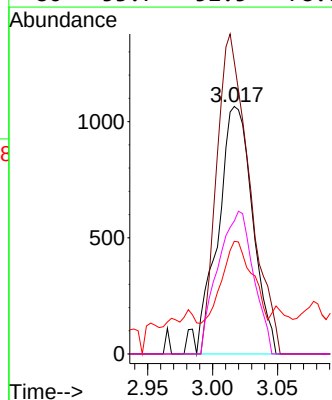
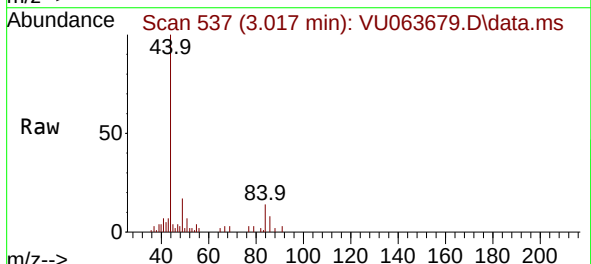
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

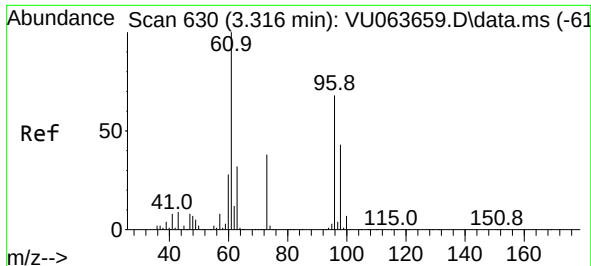
Tgt Ion: 76 Resp: 819
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#15
Methylene Chloride
Concen: 0.109 ug/l
RT: 3.017 min Scan# 537
Delta R.T. 0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 84 Resp: 2006
Ion Ratio Lower Upper
84 100
49 118.1 103.4 155.0
51 32.7 0.0 81.6
86 53.7 52.5 78.7

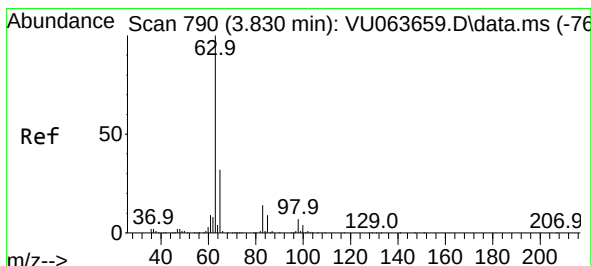
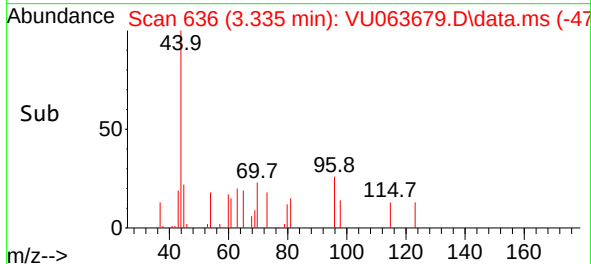
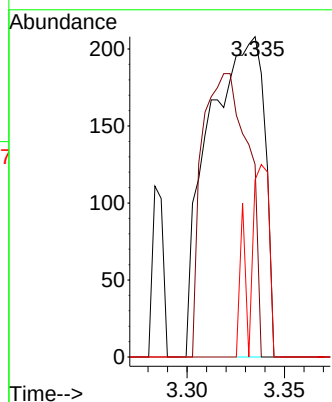
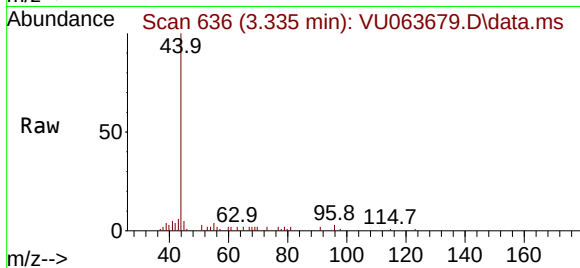




#16
trans-1,2-Dichloroethene
Concen: 0.026 ug/l
RT: 3.335 min Scan# 611
Delta R.T. 0.019 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

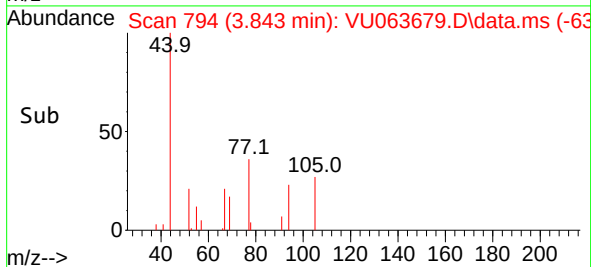
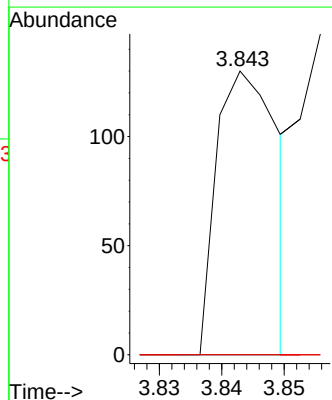
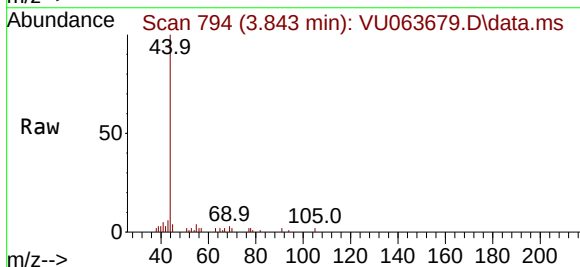
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

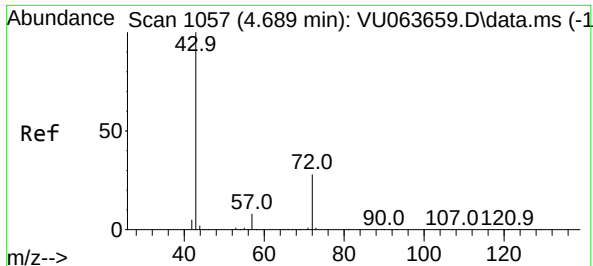
Tgt Ion: 96 Resp: 414
Ion Ratio Lower Upper
96 100
61 60.1 117.4 176.2#
98 55.3 49.9 74.9



#17
1,1-Dichloroethane
Concen: 0.003 ug/l
RT: 3.843 min Scan# 794
Delta R.T. 0.013 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 63 Resp: 89
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.2 6.6#





#18

2-Butanone

Concen: 0.017 ug/l

RT: 4.656 min Scan# 1047

Delta R.T. -0.032 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

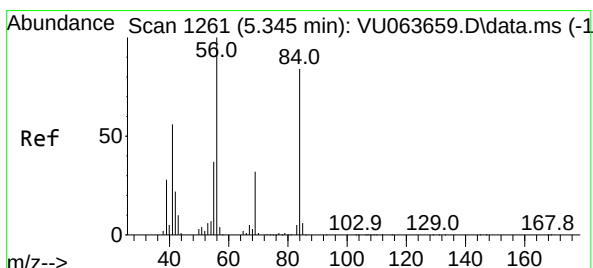
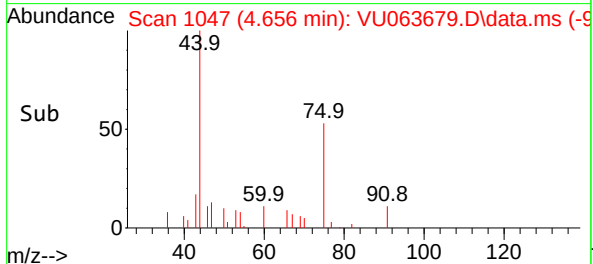
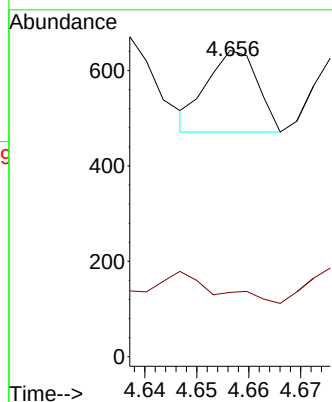
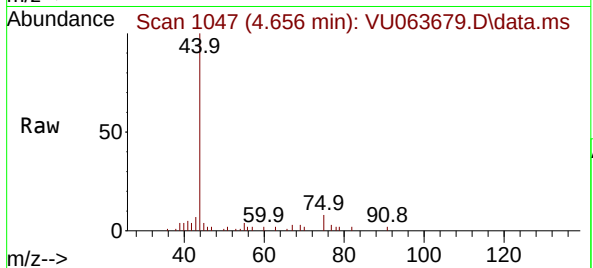
VU1107WBL01

Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

57 13.5 0.0 16.6



#19

Cyclohexane

Concen: 0.006 ug/l

RT: 5.341 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

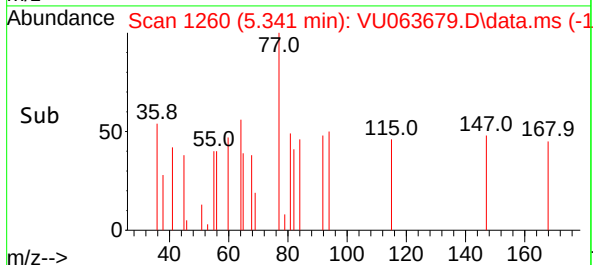
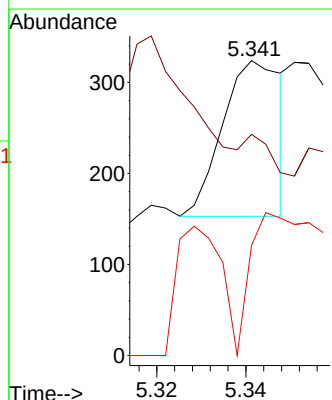
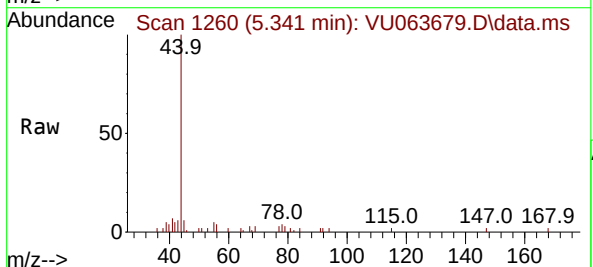
Tgt Ion: 56 Resp: 155

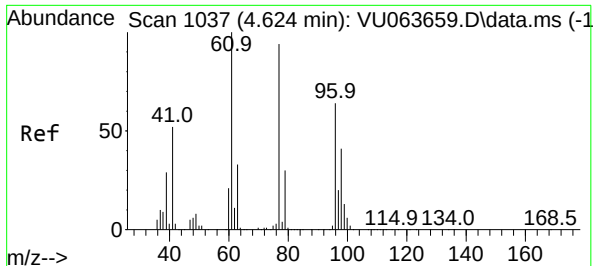
Ion Ratio Lower Upper

56 100

69 0.0 27.1 40.7#

84 121.3 73.4 110.0#





#21

2,2-Dichloropropane

Concen: 0.003 ug/l

RT: 4.663 min Scan# 1049

Delta R.T. 0.038 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

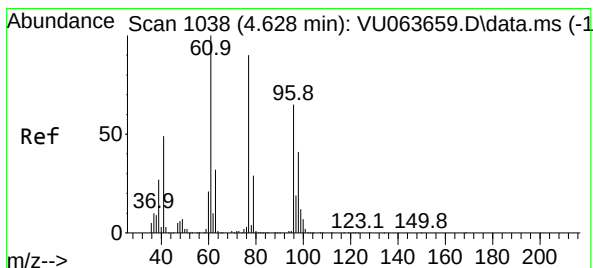
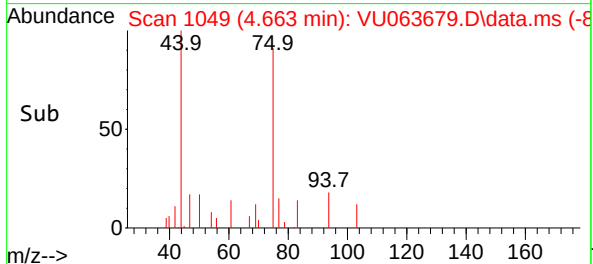
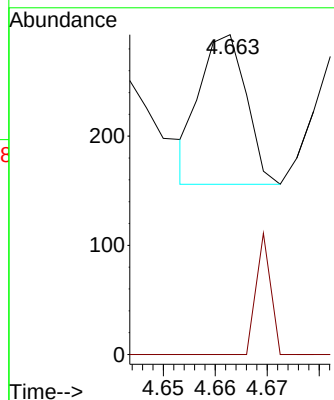
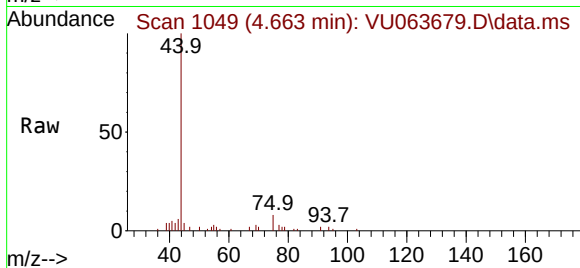
VU1107WBL01

Tgt Ion: 77 Resp: 84

Ion Ratio Lower Upper

77 100

97 25.0 17.1 25.7



#22

cis-1,2-Dichloroethene

Concen: 0.011 ug/l

RT: 4.634 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

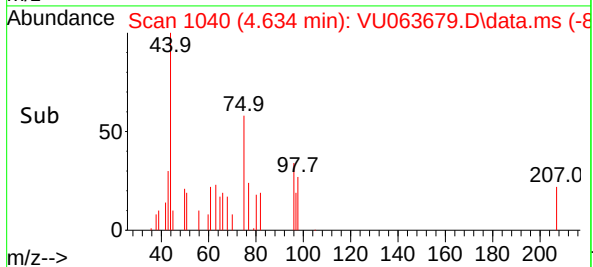
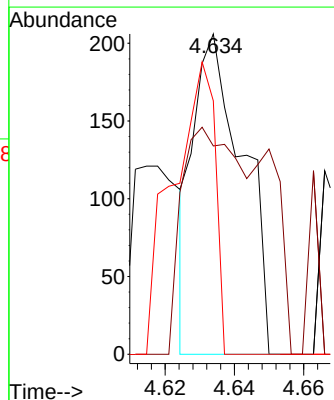
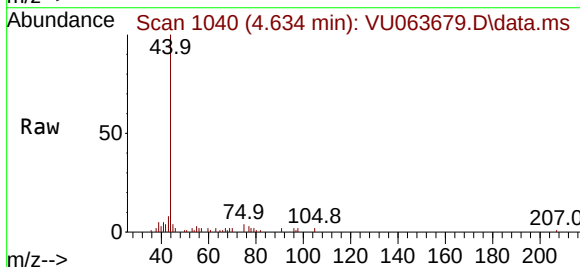
Tgt Ion: 96 Resp: 205

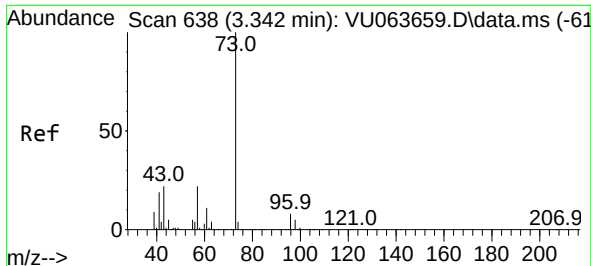
Ion Ratio Lower Upper

96 100

61 84.4 0.0 385.0

98 77.6 31.3 93.9

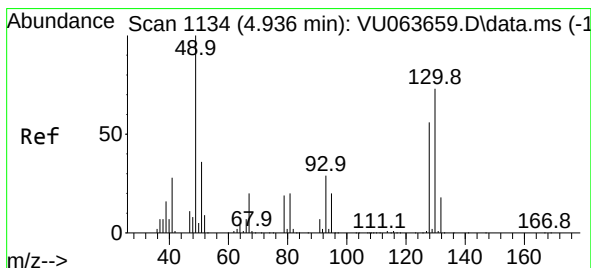
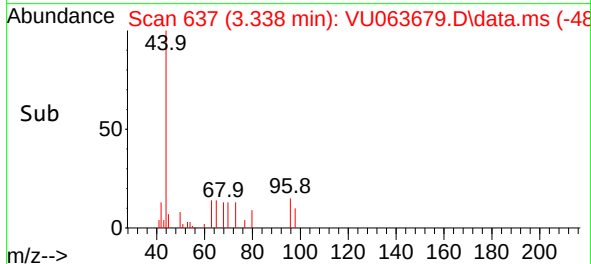
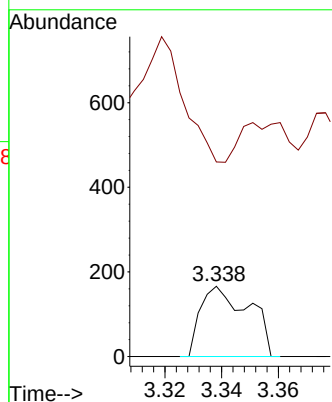
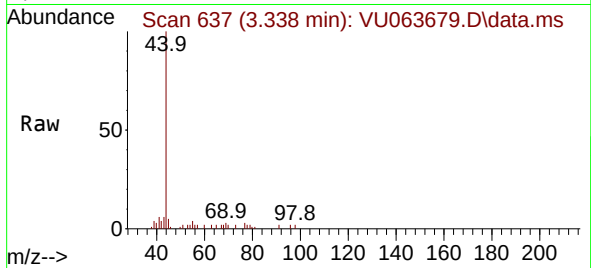




#25
Methyl tert-Butyl Ether
Concen: 0.005 ug/l
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

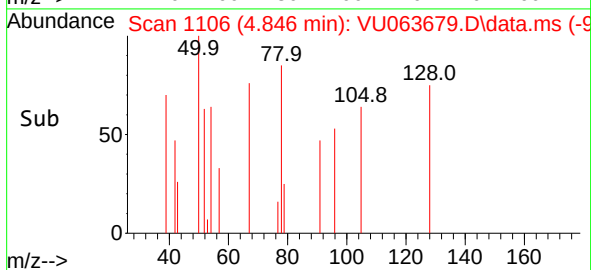
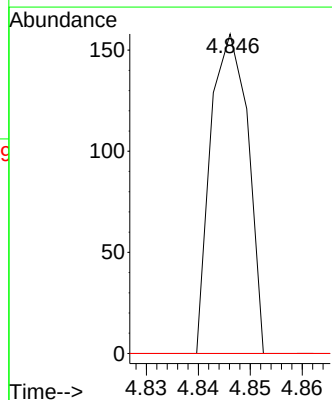
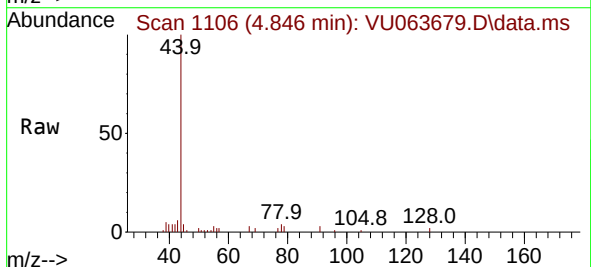
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

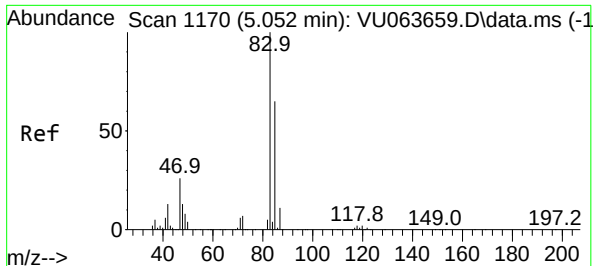
Tgt Ion: 73 Resp: 196
Ion Ratio Lower Upper
73 100
43 74.5 17.4 26.0#



#26
Bromochloromethane
Concen: 0.010 ug/l
RT: 4.846 min Scan# 1106
Delta R.T. -0.090 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 128 Resp: 79
Ion Ratio Lower Upper
128 100
49 25.3 0.0 349.6
130 0.0 102.7 154.1#





#27

Chloroform

Concen: 0.012 ug/l

RT: 5.062 min Scan# 1173

Delta R.T. 0.009 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

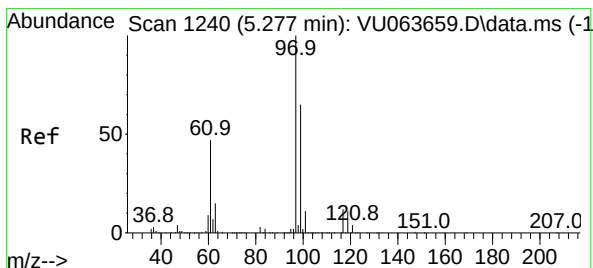
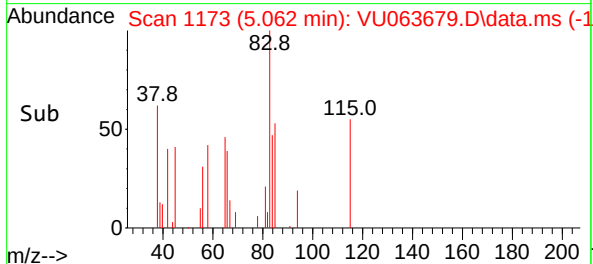
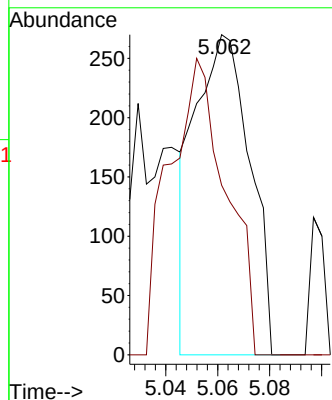
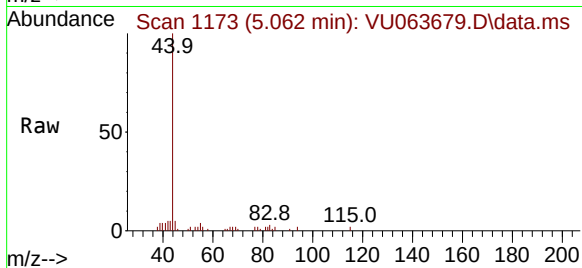
VU1107WBL01

Tgt Ion: 83 Resp: 399

Ion Ratio Lower Upper

83 100

85 53.0 0.0 130.8



#28

1,1,1-Trichloroethane

Concen: 0.007 ug/l

RT: 5.280 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

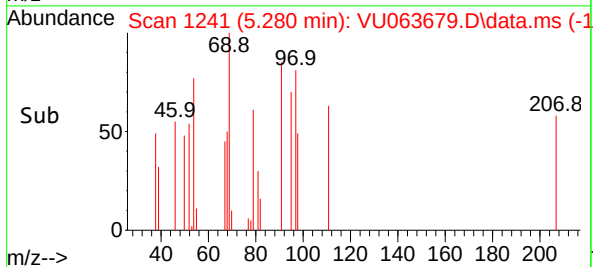
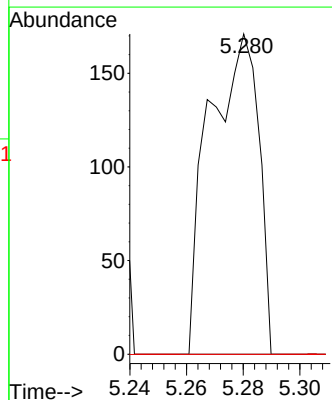
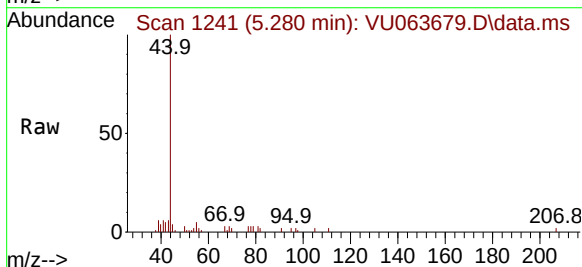
Tgt Ion: 97 Resp: 206

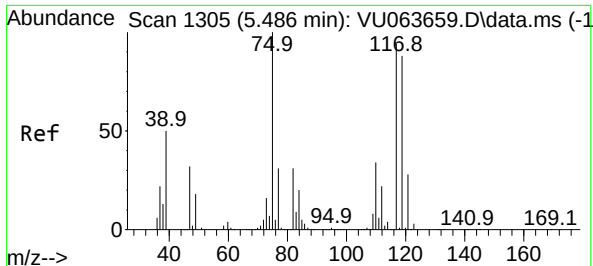
Ion Ratio Lower Upper

97 100

99 20.4 32.3 96.8#

61 0.0 23.3 69.8#





#29

1,1-Dichloropropene

Concen: 0.006 ug/l

RT: 5.480 min Scan# 11

Delta R.T. -0.007 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01

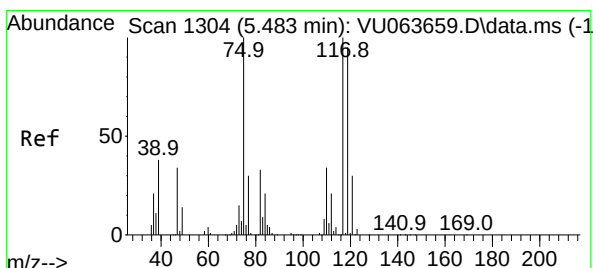
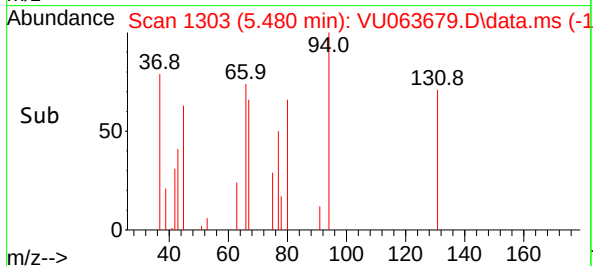
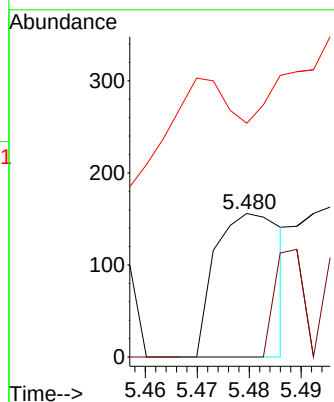
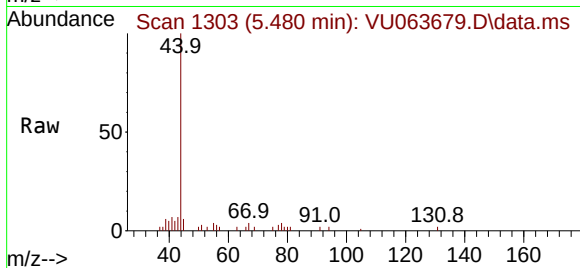
Tgt Ion: 75 Resp: 137

Ion Ratio Lower Upper

75 100

110 32.1 17.2 51.5

77 76.6 24.5 36.7#



#30

Carbon Tetrachloride

Concen: 0.003 ug/l

RT: 5.496 min Scan# 1308

Delta R.T. 0.013 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

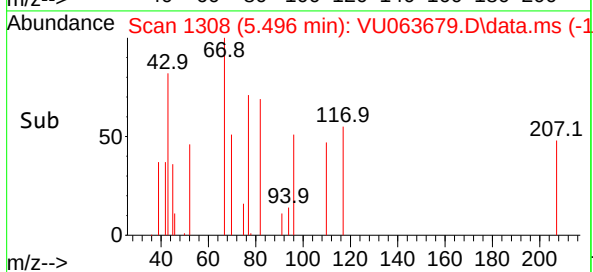
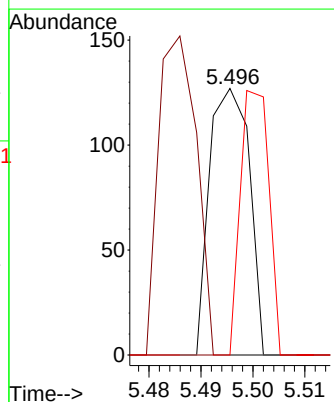
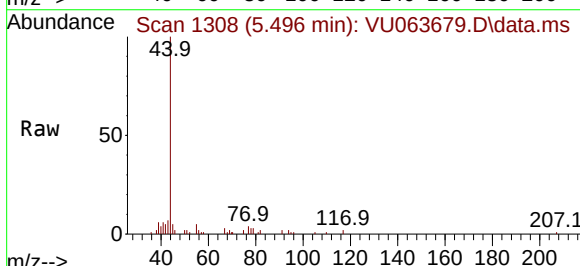
Tgt Ion: 117 Resp: 67

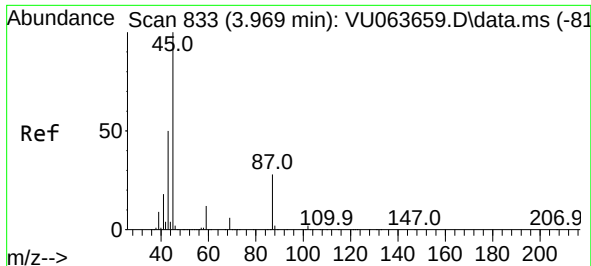
Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

121 0.0 23.8 35.6#

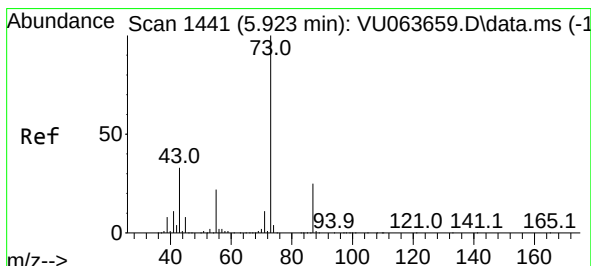
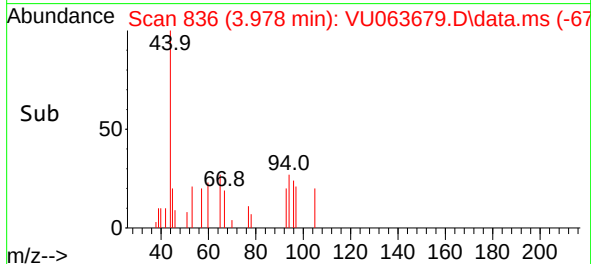
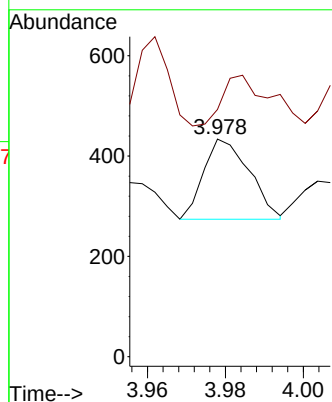
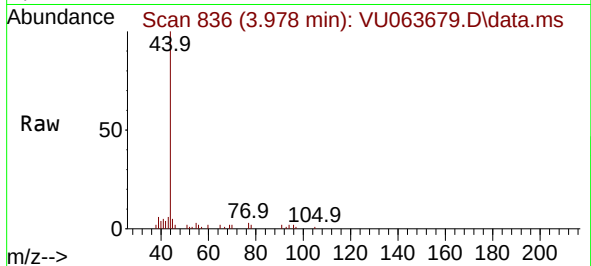




#31
Isopropyl Ether
Concen: 0.003 ug/l
RT: 3.978 min Scan# 81
Delta R.T. 0.009 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

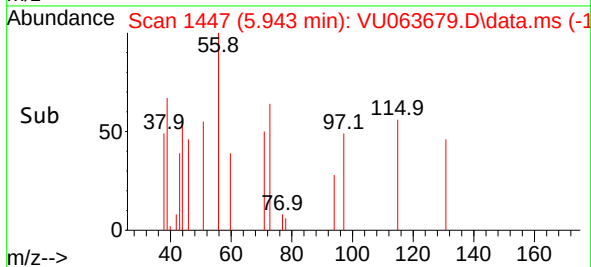
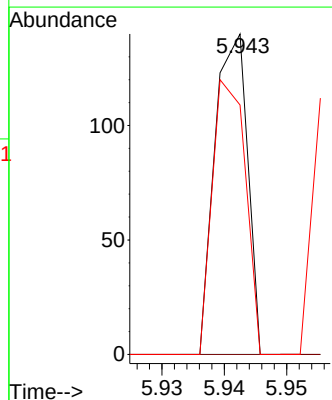
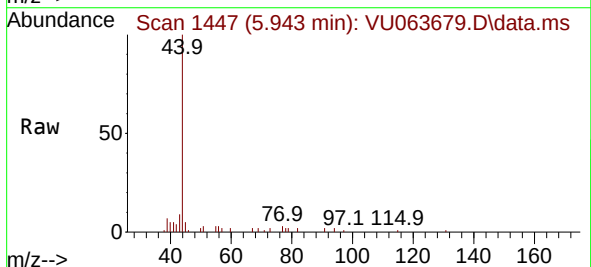
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

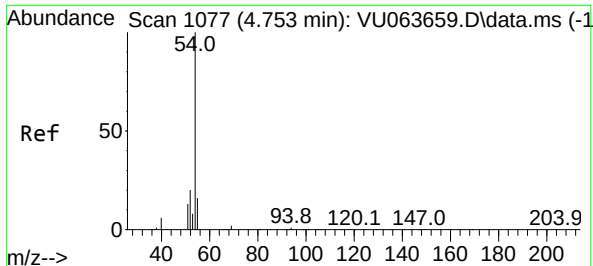
Tgt Ion: 45 Resp: 130
Ion Ratio Lower Upper
45 100
43 60.8 25.3 75.9



#33
Tert-Amyl methyl ether
Concen: 0.001 ug/l
RT: 5.943 min Scan# 1447
Delta R.T. 0.019 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 73 Resp: 51
Ion Ratio Lower Upper
73 100
87 0.0 20.0 30.0#
71 86.3 9.0 13.4#

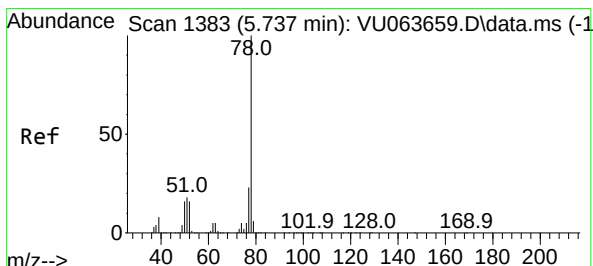
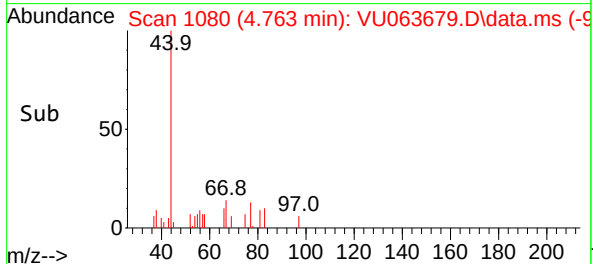
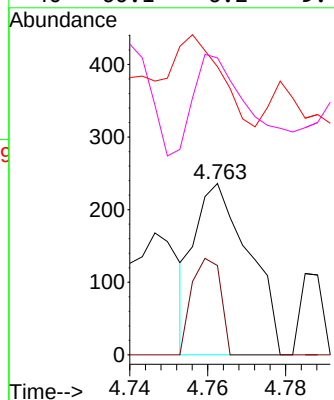
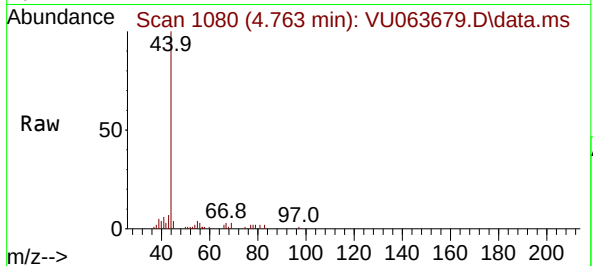




#34
 Propionitrile
 Concen: 0.176 ug/l
 RT: 4.763 min Scan# 1080
 Delta R.T. 0.009 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

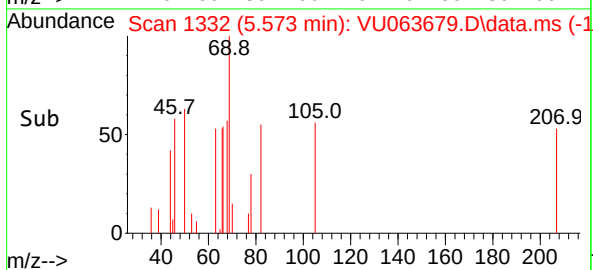
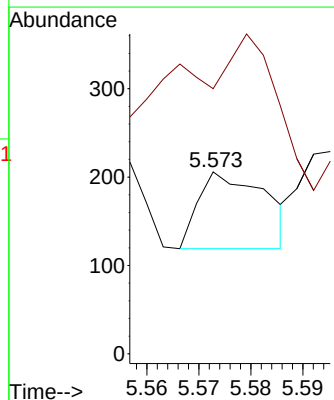
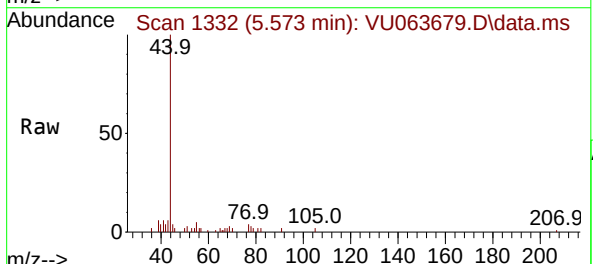
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBL01

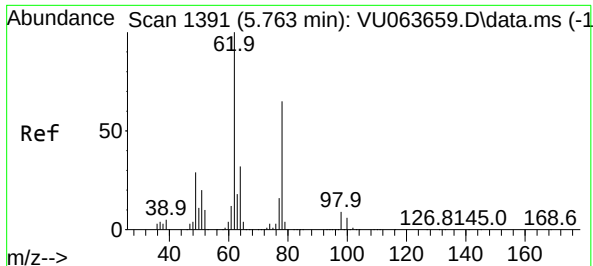
Tgt Ion: 54	Resp: 228
Ion Ratio	Lower Upper
54 100	
52 30.3	15.8 23.6#
55 142.1	11.3 16.9#
40 60.1	6.2 9.4#



#35
 Benzene
 Concen: 0.001 ug/l
 RT: 5.573 min Scan# 1332
 Delta R.T. -0.164 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

Tgt Ion: 78	Resp: 77		
Ion Ratio	Lower	Upper	
78 100			
77 21.8	18.3	27.5	





#36

1,2-Dichloroethane

Concen: 0.006 ug/l

RT: 5.775 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

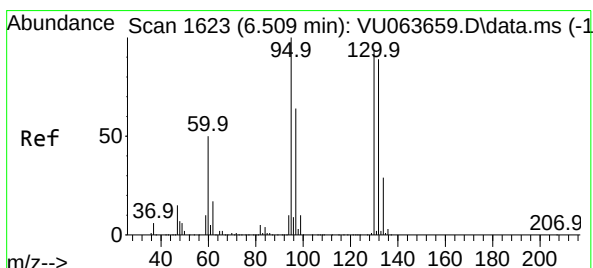
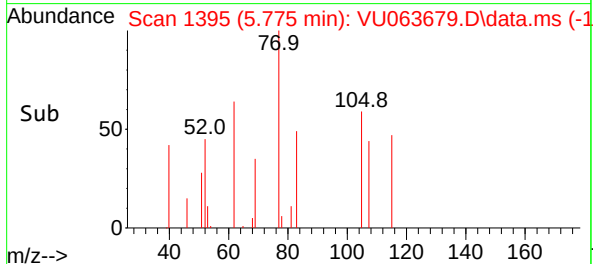
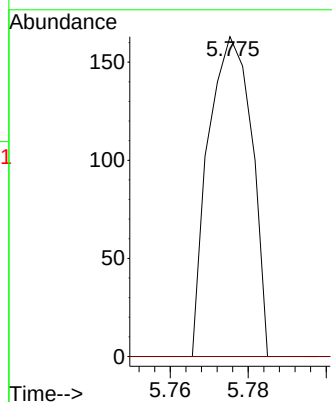
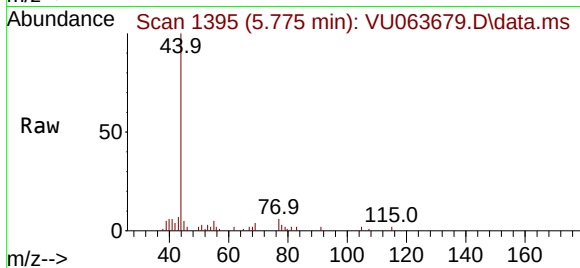
VU1107WBL01

Tgt Ion: 62 Resp: 126

Ion Ratio Lower Upper

62 100

98 33.3 6.8 10.2#



#37

Trichloroethene

Concen: 0.009 ug/l

RT: 6.502 min Scan# 1621

Delta R.T. -0.007 min

Lab File: VU063679.D

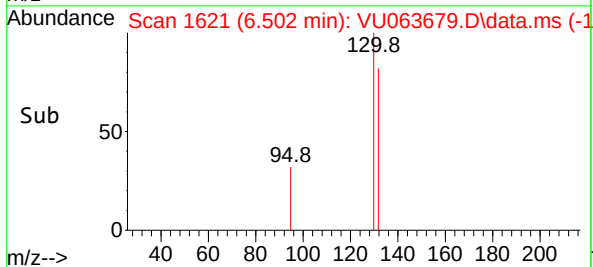
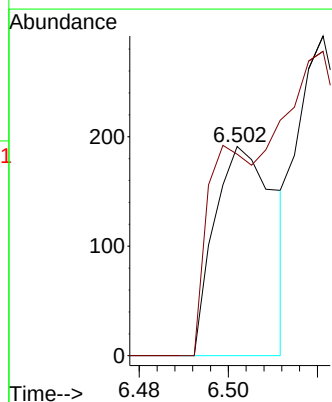
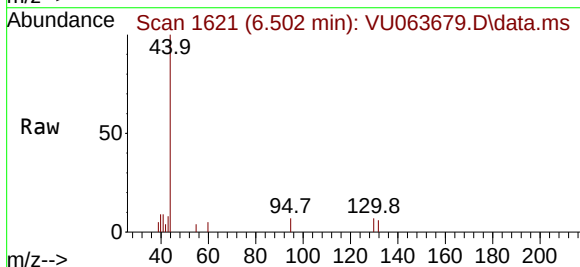
Acq: 07 Nov 2025 10:42

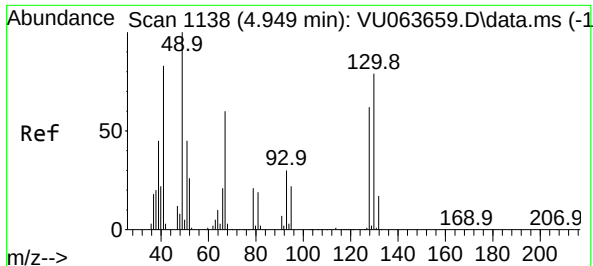
Tgt Ion:130 Resp: 179

Ion Ratio Lower Upper

130 100

95 96.3 86.0 129.0





#39

Methacrylonitrile

Concen: 0.018 ug/l

RT: 4.946 min Scan# 1137

Delta R.T. -0.003 min

Lab File: VU063679.D

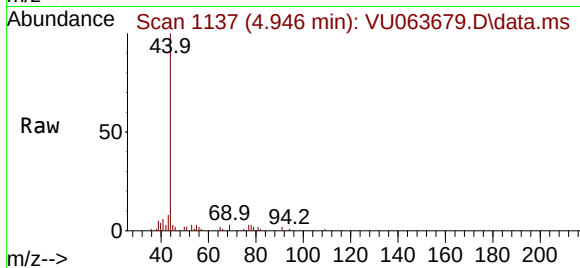
Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01



Tgt Ion: 41 Resp: 119

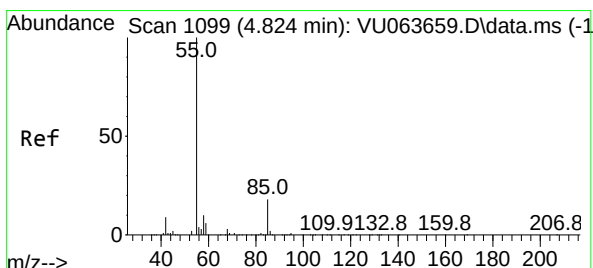
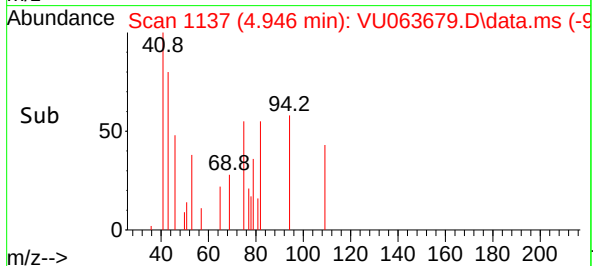
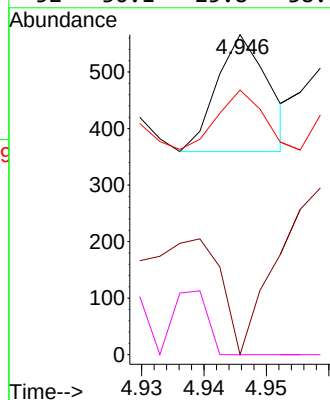
Ion Ratio Lower Upper

41 100

67 172.3 61.4 92.2#

39 44.5 46.5 69.7#

52 36.1 25.8 38.6



#40

Methyl acrylate

Concen: 0.002 ug/l

RT: 4.843 min Scan# 1105

Delta R.T. 0.019 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Tgt Ion: 55 Resp: 19

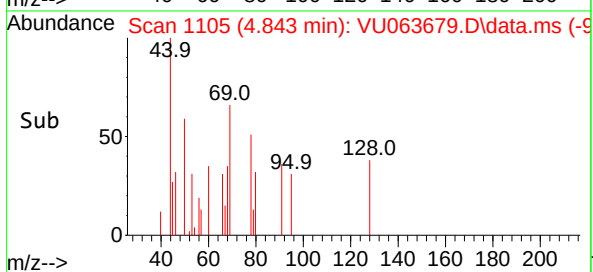
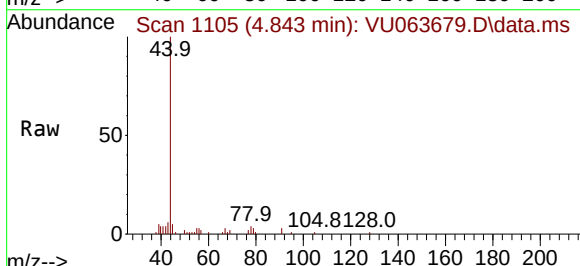
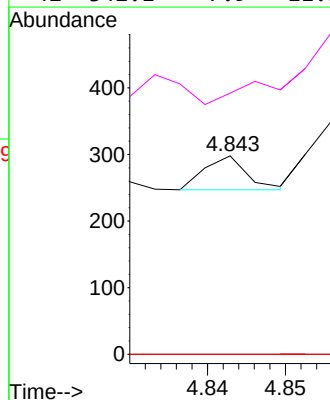
Ion Ratio Lower Upper

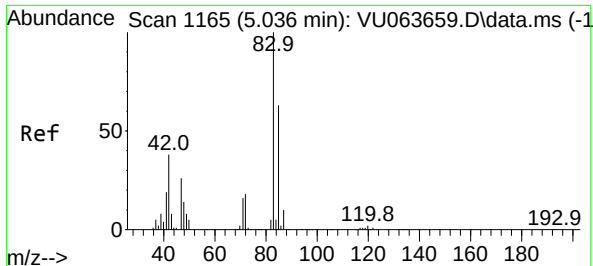
55 100

85 0.0 15.3 22.9#

58 0.0 7.7 11.5#

42 342.1 7.9 11.9#





#41

Tetrahydrofuran

Concen: 0.064 ug/l

RT: 5.033 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01

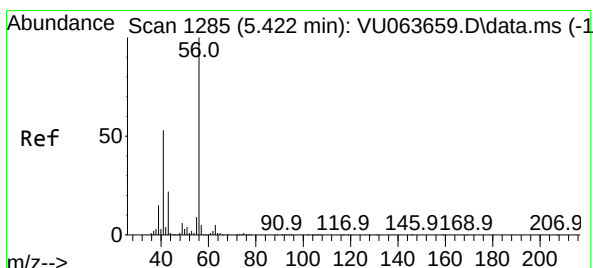
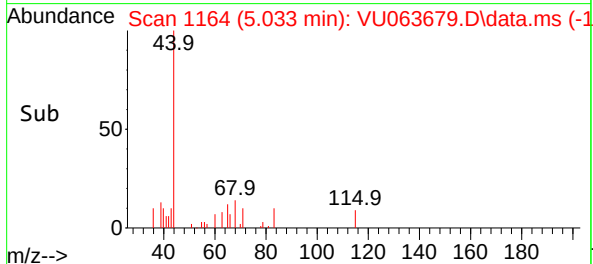
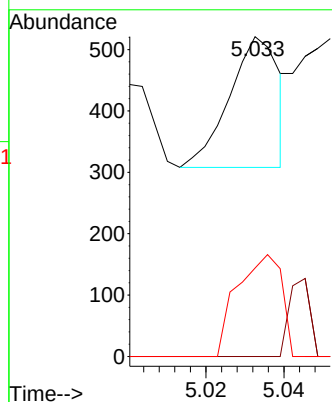
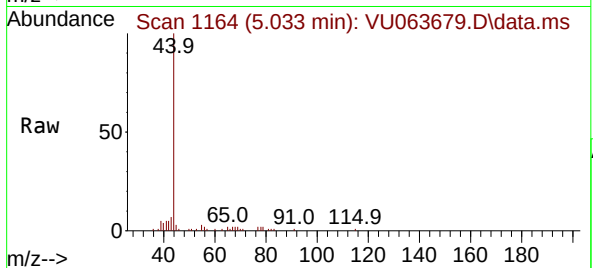
Tgt Ion: 42 Resp: 187

Ion Ratio Lower Upper

42 100

72 25.1 40.5 60.7#

71 70.1 35.0 52.6#



#42

1-Chlorobutane

Concen: 0.003 ug/l

RT: 5.287 min Scan# 1243

Delta R.T. -0.135 min

Lab File: VU063679.D

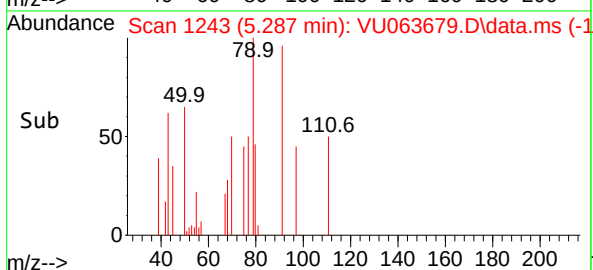
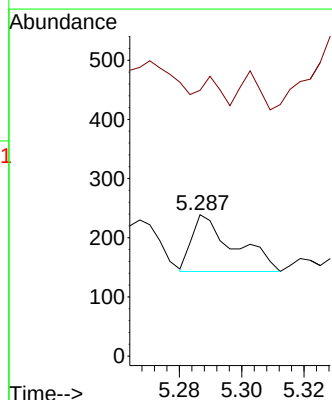
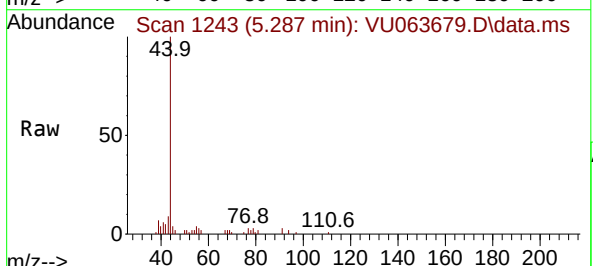
Acq: 07 Nov 2025 10:42

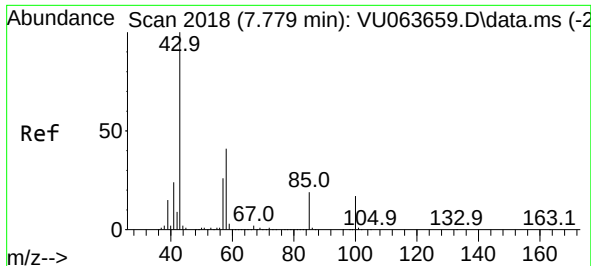
Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

41 30.3 25.9 77.6





#45

4-Methyl-2-Pentanone

Concen: 0.112 ug/l

RT: 7.791 min Scan# 20

Delta R.T. 0.013 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01

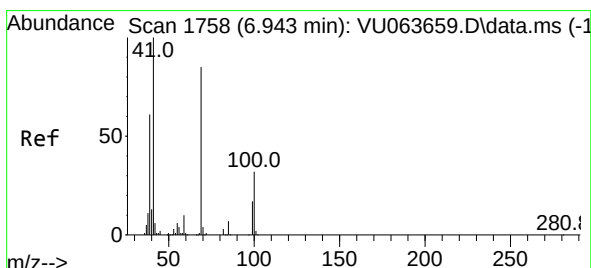
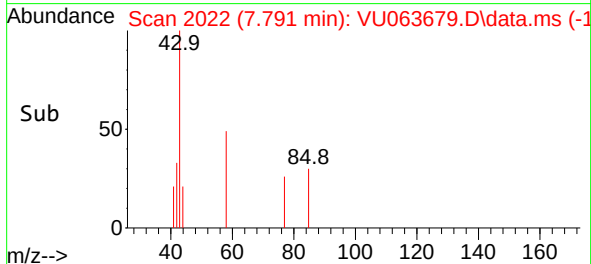
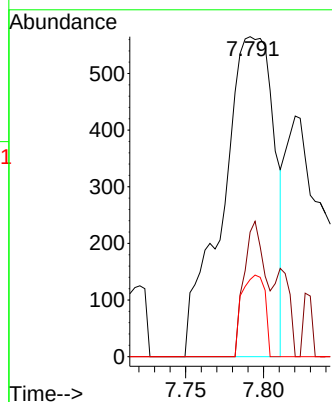
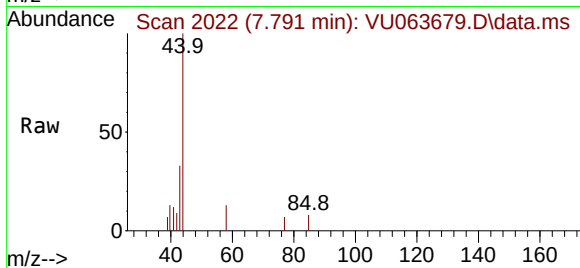
Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

58 17.3 20.2 60.5#

85 11.3 15.0 22.6#



#47

Methyl methacrylate

Concen: 0.022 ug/l

RT: 6.959 min Scan# 1763

Delta R.T. 0.016 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Tgt Ion: 69 Resp: 197

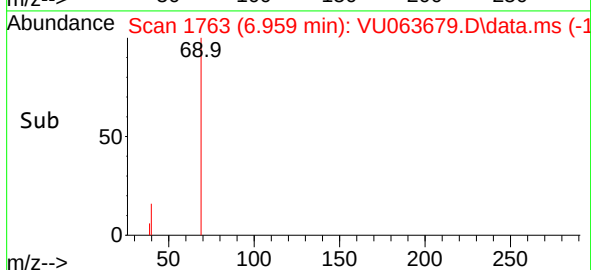
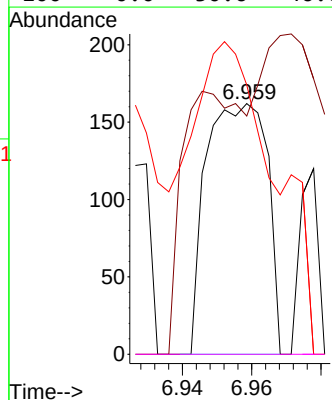
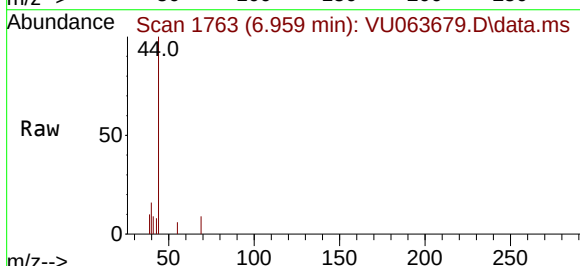
Ion Ratio Lower Upper

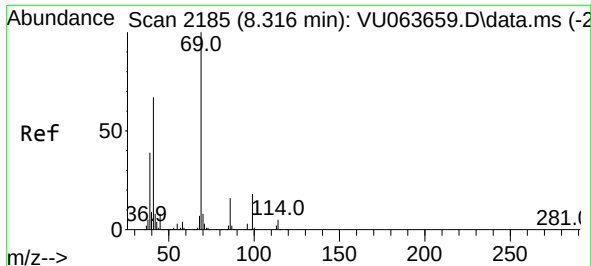
69 100

41 107.1 0.0 228.2

39 174.6 56.2 84.4#

100 0.0 30.6 46.0#

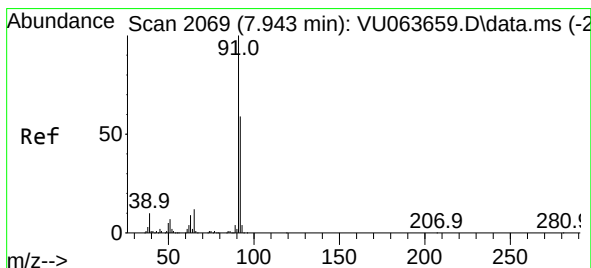
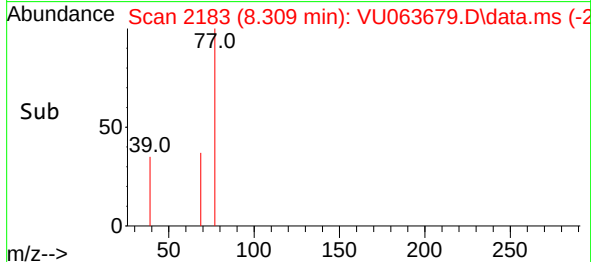
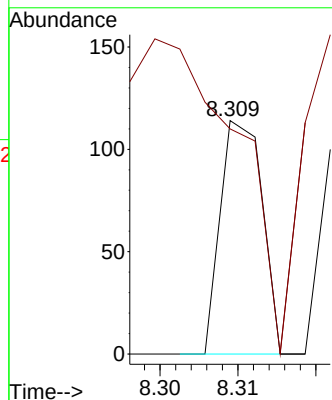
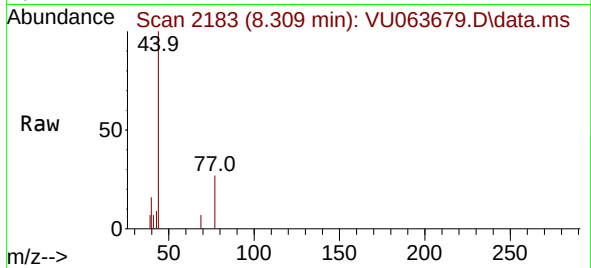




#48
Ethyl methacrylate
Concen: 0.002 ug/l
RT: 8.309 min Scan# 2185
Delta R.T. -0.007 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

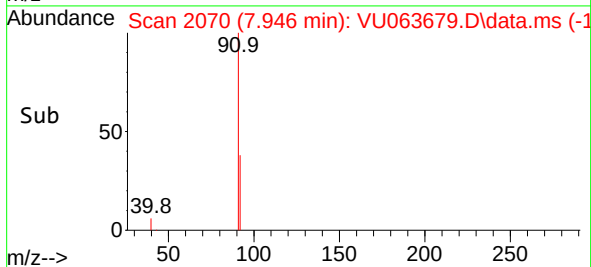
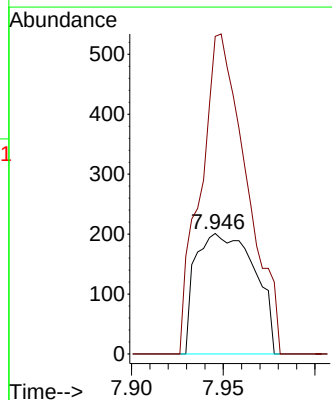
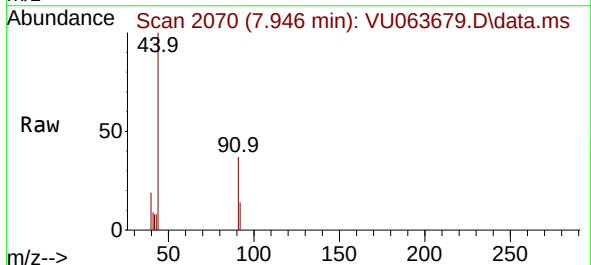
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

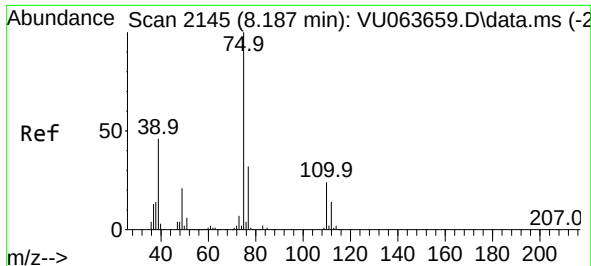
Tgt Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 354.8 32.8 98.3#



#49
Toluene
Concen: 0.010 ug/l
RT: 7.946 min Scan# 2070
Delta R.T. 0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 92 Resp: 449
Ion Ratio Lower Upper
92 100
91 207.8 136.8 205.2#

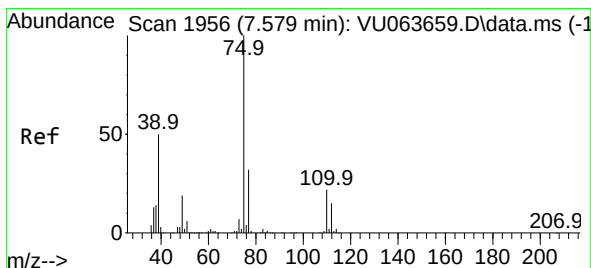
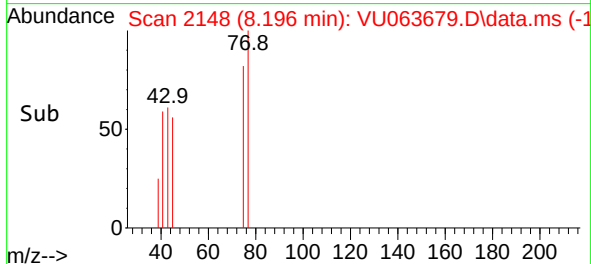
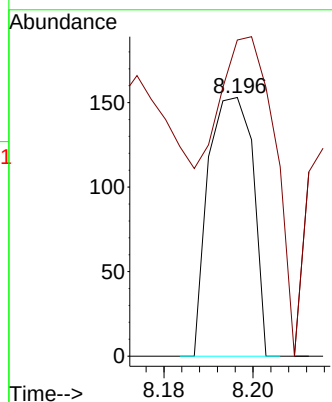
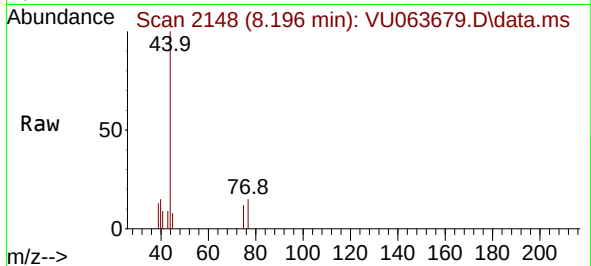




#50
 t-1,3-Dichloropropene
 Concen: 0.005 ug/l
 RT: 8.196 min Scan# 2148
 Delta R.T. 0.009 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

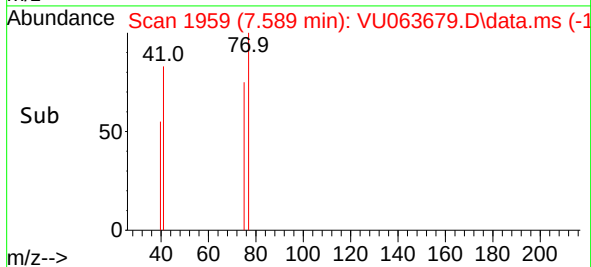
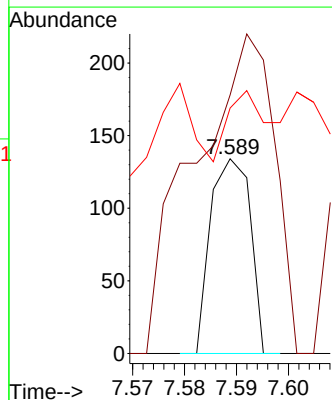
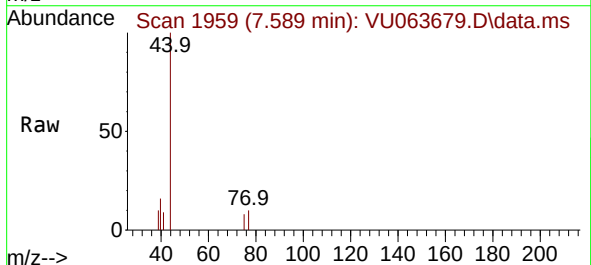
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBL01

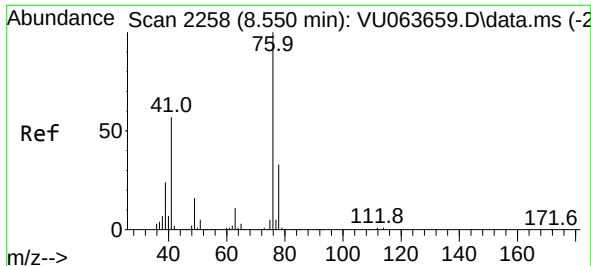
Tgt Ion: 75 Resp: 106
 Ion Ratio Lower Upper
 75 100
 77 49.0 25.8 38.6#



#51
 cis-1,3-Dichloropropene
 Concen: 0.003 ug/l
 RT: 7.589 min Scan# 1959
 Delta R.T. 0.009 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

Tgt Ion: 75 Resp: 71
 Ion Ratio Lower Upper
 75 100
 77 44.0 25.5 38.3#
 39 212.7 39.9 59.9#





#53

1,3-Dichloropropane

Concen: 0.006 ug/l

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

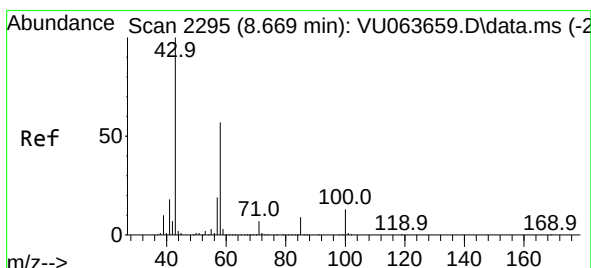
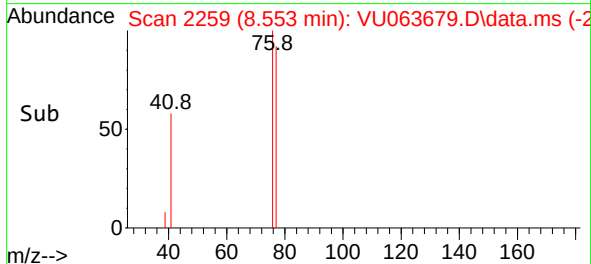
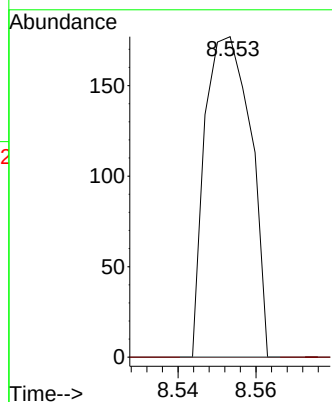
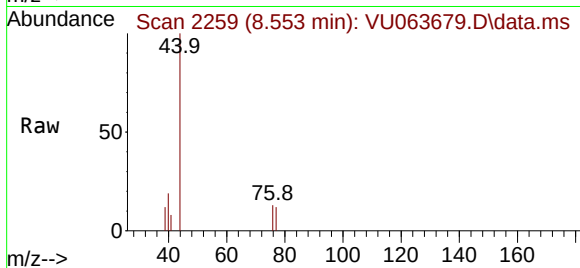
VU1107WBL01

Tgt Ion: 76 Resp: 144

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#54

2-Hexanone

Concen: 0.173 ug/l

RT: 8.704 min Scan# 2306

Delta R.T. 0.035 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

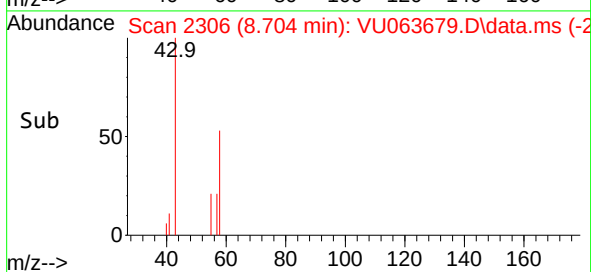
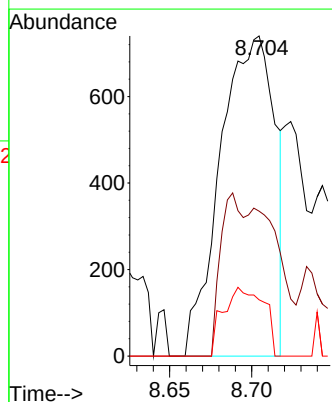
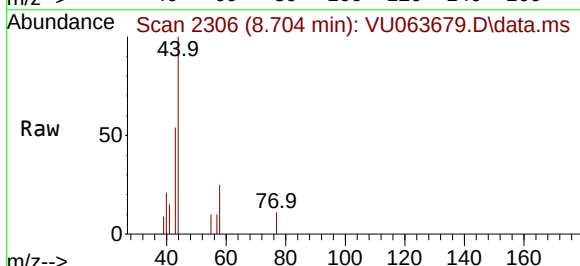
Tgt Ion: 43 Resp: 1701

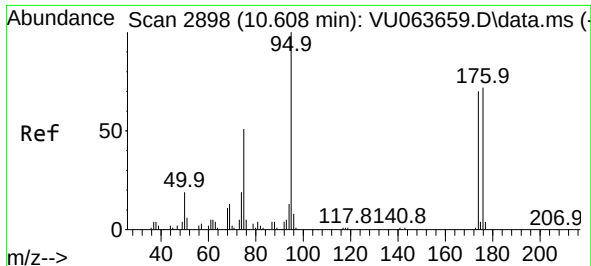
Ion Ratio Lower Upper

43 100

58 21.0 36.3 76.3#

57 15.9 0.0 39.7

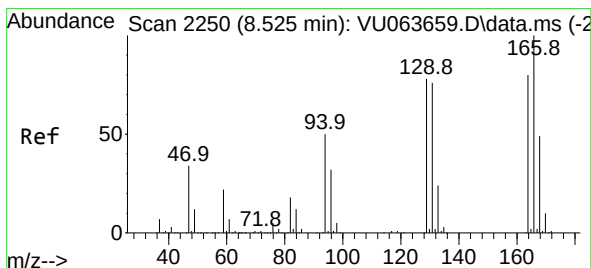
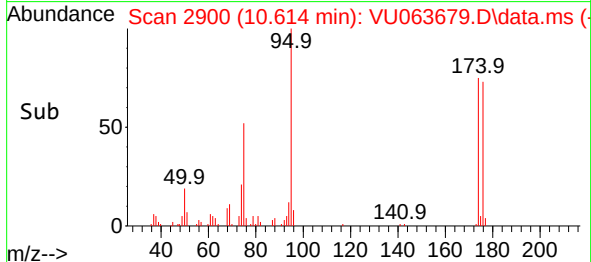
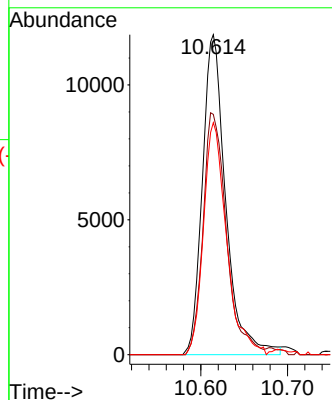
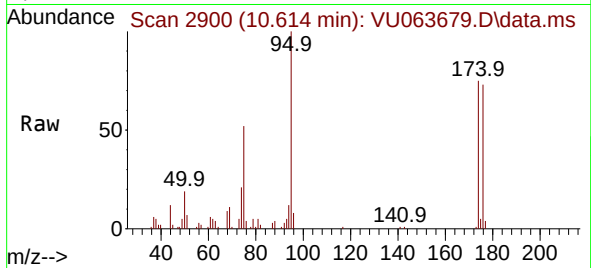




#57
4-Bromofluorobenzene
Concen: 0.923 ug/l
RT: 10.614 min Scan# 2900
Delta R.T. 0.006 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

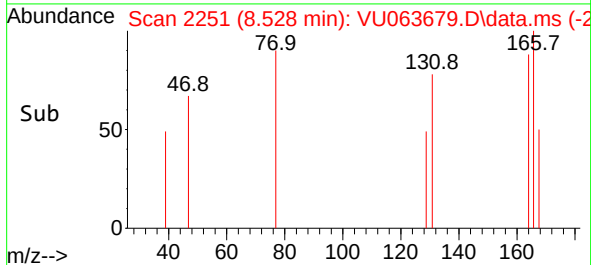
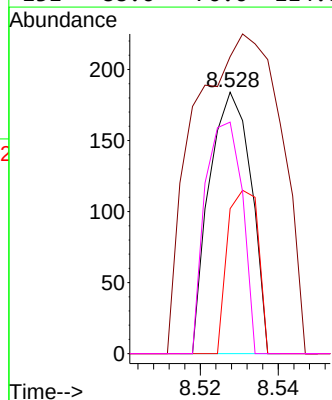
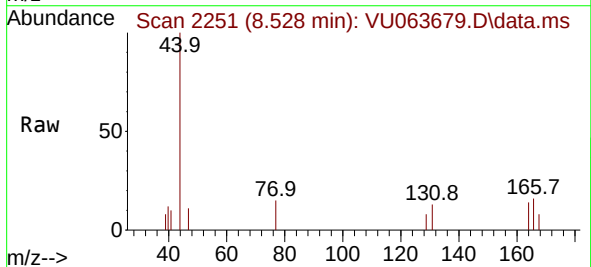
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

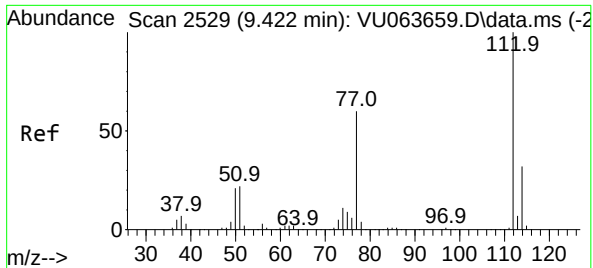
Tgt Ion: 95 Resp: 22208
Ion Ratio Lower Upper
95 100
174 75.4 59.9 89.9
176 71.7 58.8 88.2



#58
Tetrachloroethene
Concen: 0.007 ug/l
RT: 8.528 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 164 Resp: 137
Ion Ratio Lower Upper
164 100
166 48.4 100.1 150.1#
129 55.4 77.6 116.4#
131 88.6 76.6 114.8

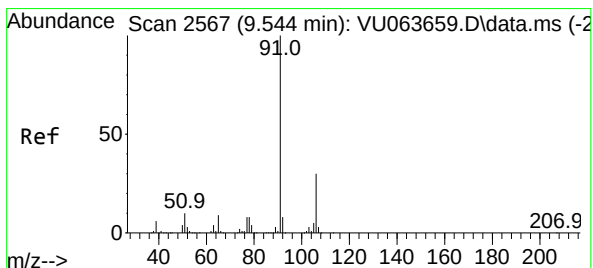
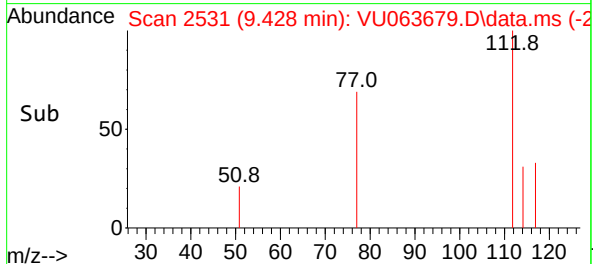
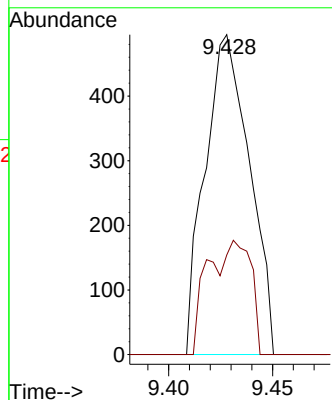
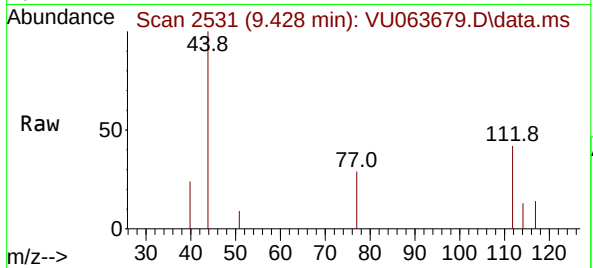




#59
Chlorobenzene
Concen: 0.015 ug/l
RT: 9.428 min Scan# 211
Delta R.T. 0.006 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

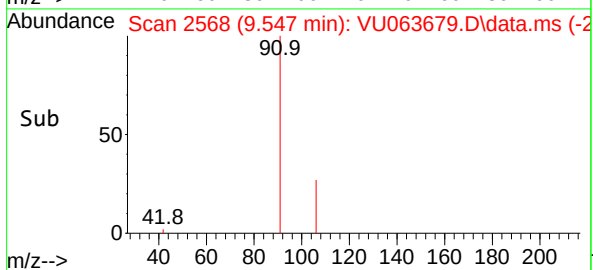
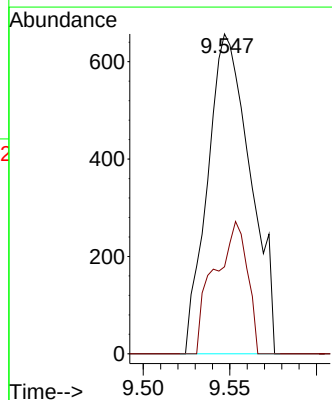
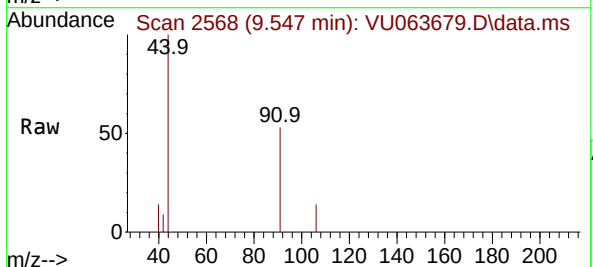
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

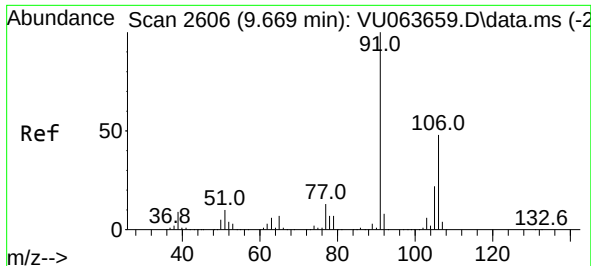
Tgt Ion:112 Resp: 736
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0



#63
Ethyl Benzene
Concen: 0.013 ug/l
RT: 9.547 min Scan# 2568
Delta R.T. 0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 91 Resp: 1130
Ion Ratio Lower Upper
91 100
106 27.2 24.1 36.1

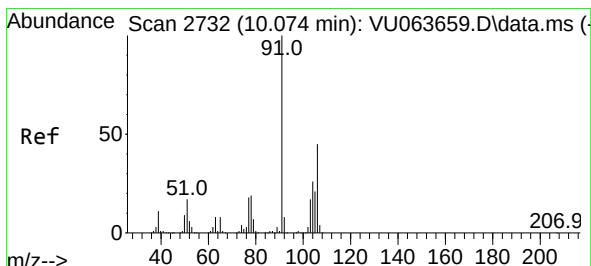
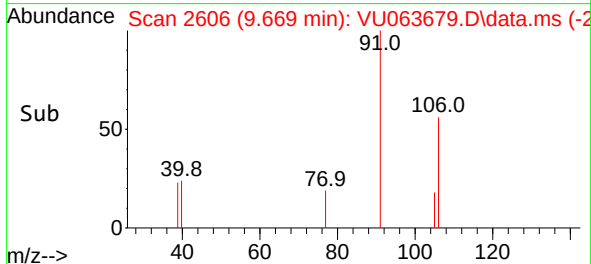
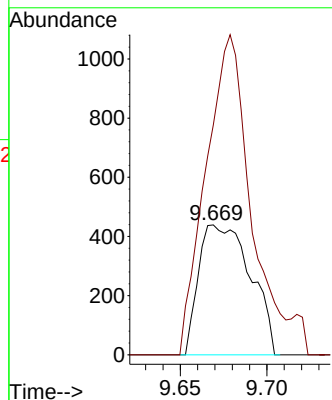
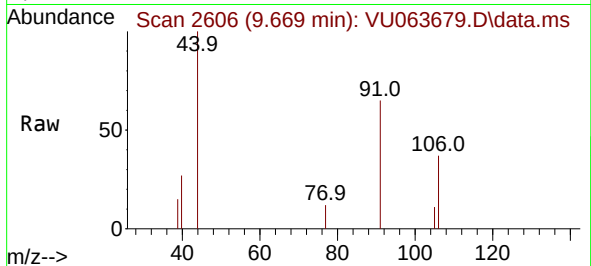




#64
m/p-Xylenes
Concen: 0.028 ug/l
RT: 9.669 min Scan# 2606
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

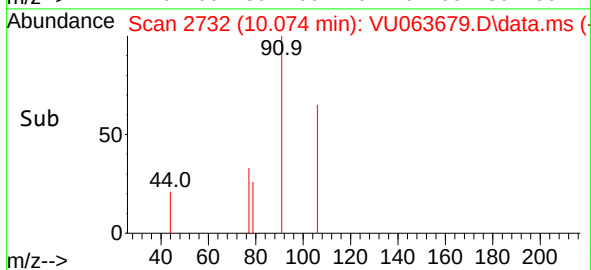
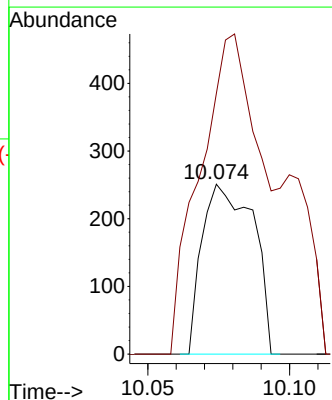
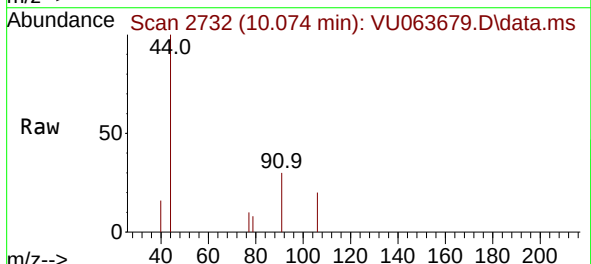
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

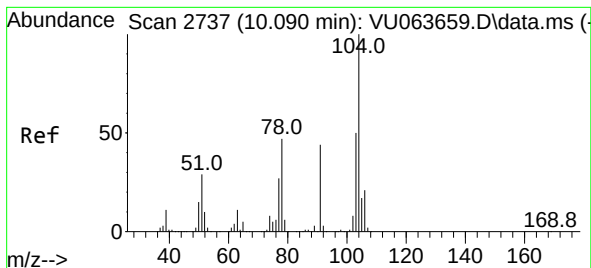
Tgt Ion:106 Resp: 913
Ion Ratio Lower Upper
106 100
91 210.6 167.0 250.4



#65
o-Xylene
Concen: 0.010 ug/l
RT: 10.074 min Scan# 2732
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion:106 Resp: 314
Ion Ratio Lower Upper
106 100
91 231.5 109.3 327.9





#66

Styrene

Concen: 0.015 ug/l

RT: 10.103 min Scan# 21

Delta R.T. 0.013 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01

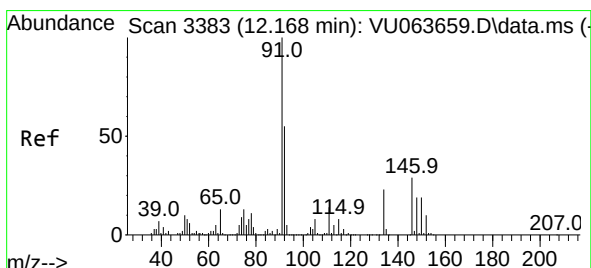
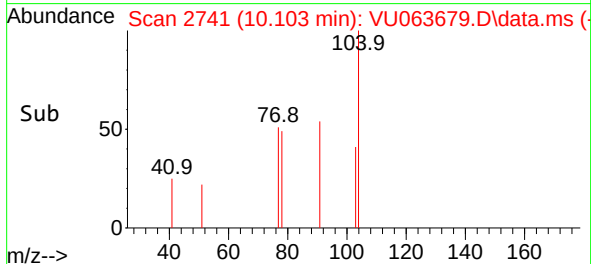
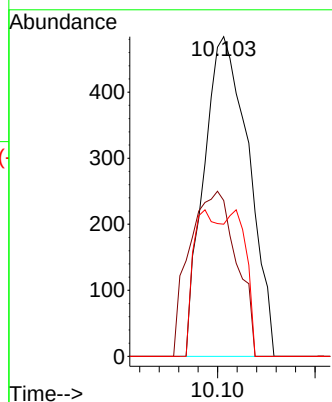
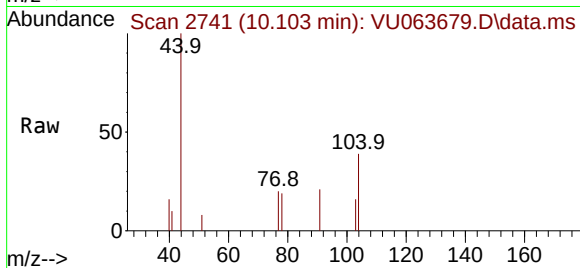
Tgt Ion:104 Resp: 771

Ion Ratio Lower Upper

104 100

78 54.5 42.8 64.2

103 30.0 43.9 65.9#



#68

1,2-Dichlorobenzene-d4

Concen: 0.874 ug/l

RT: 12.171 min Scan# 3384

Delta R.T. 0.003 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

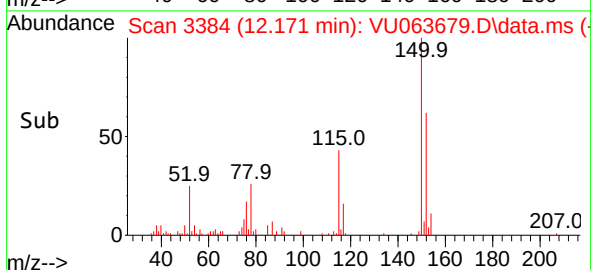
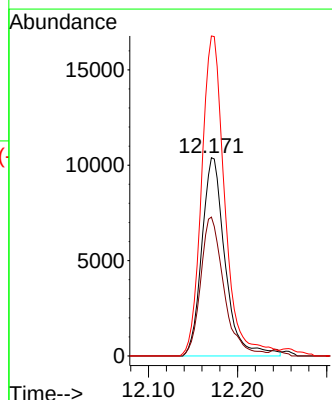
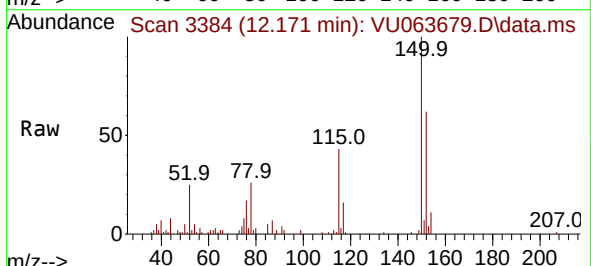
Tgt Ion:152 Resp: 18858

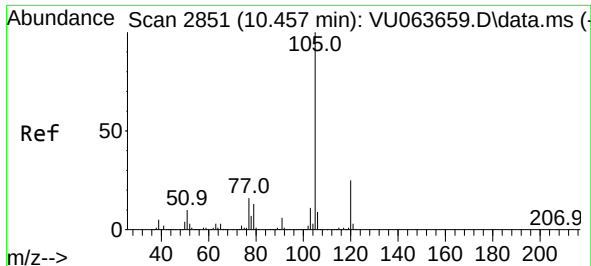
Ion Ratio Lower Upper

152 100

115 70.3 0.0 247.2

150 160.9 0.0 643.6

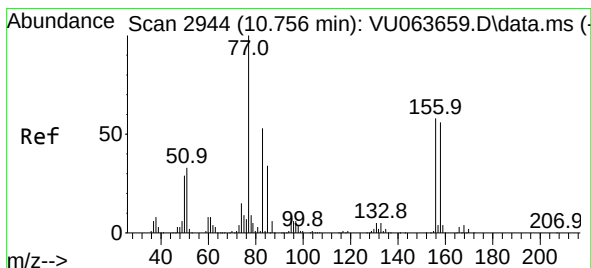
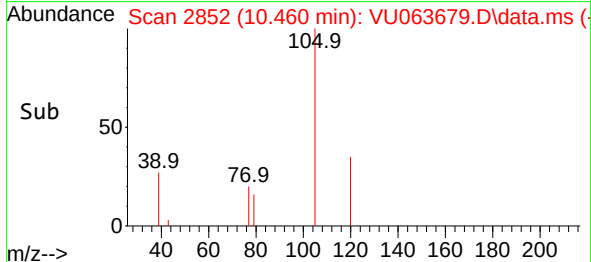
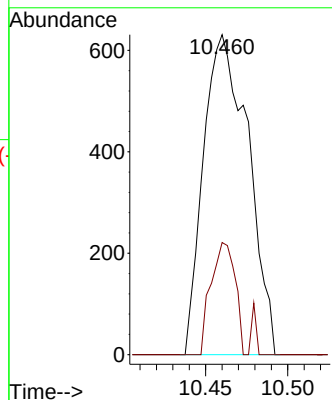
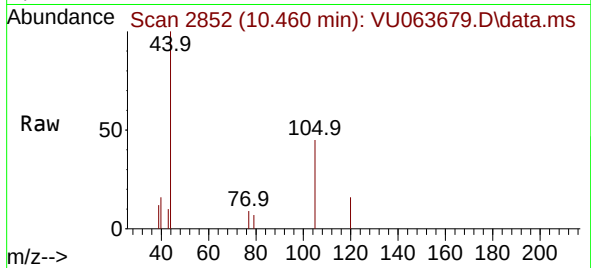




#69
Isopropylbenzene
Concen: 0.015 ug/l
RT: 10.460 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

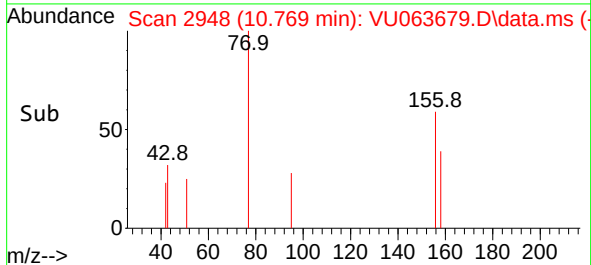
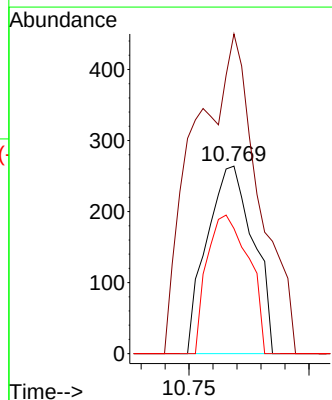
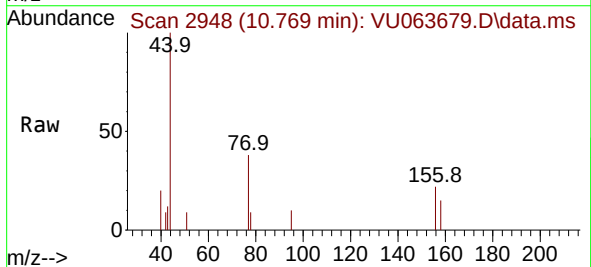
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

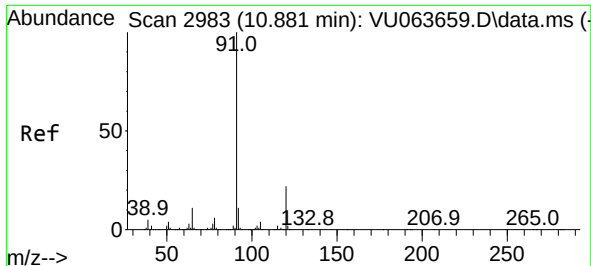
Tgt Ion:105 Resp: 1195
Ion Ratio Lower Upper
105 100
120 18.9 12.9 38.6



#72
Bromobenzene
Concen: 0.018 ug/l
RT: 10.769 min Scan# 2948
Delta R.T. 0.013 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion:156 Resp: 355
Ion Ratio Lower Upper
156 100
77 235.5 0.0 337.2
158 66.5 0.0 191.8

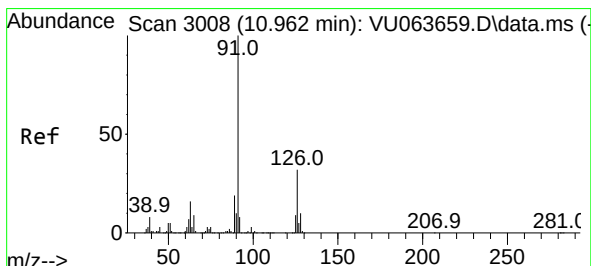
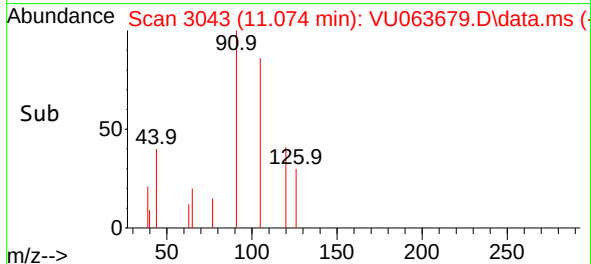
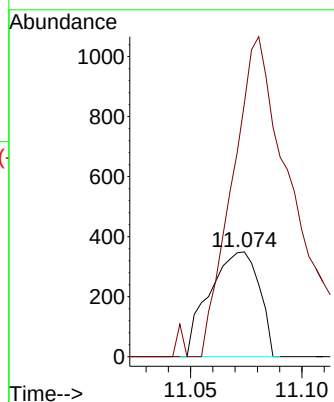
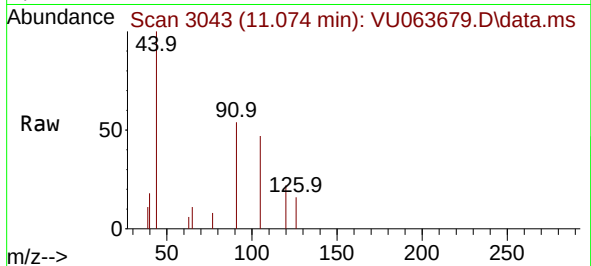




#73
n-propylbenzene
Concen: 0.024 ug/l
RT: 11.074 min Scan# 3043
Delta R.T. 0.193 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

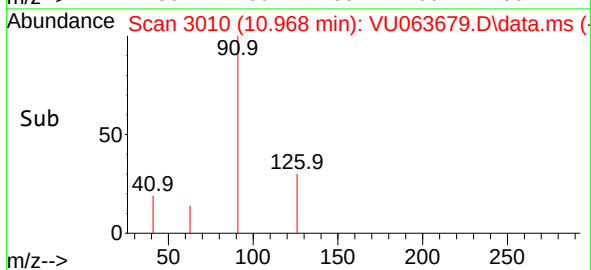
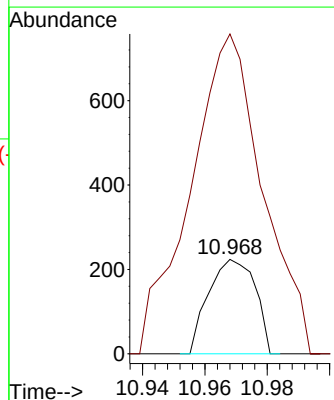
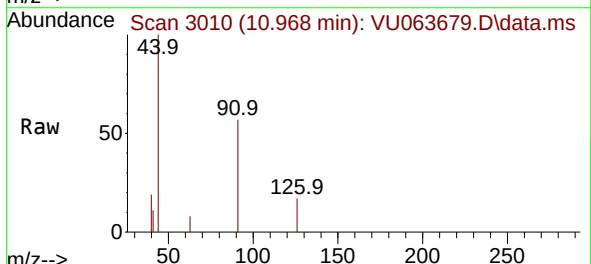
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

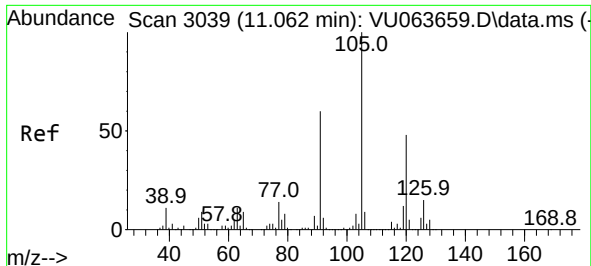
Tgt Ion:120 Resp: 541
Ion Ratio Lower Upper
120 100
91 367.8 361.4 542.2



#74
2-Chlorotoluene
Concen: 0.012 ug/l
RT: 10.968 min Scan# 3010
Delta R.T. 0.006 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion:126 Resp: 233
Ion Ratio Lower Upper
126 100
91 524.0 0.0 634.8

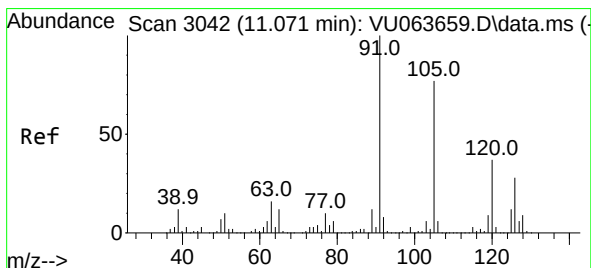
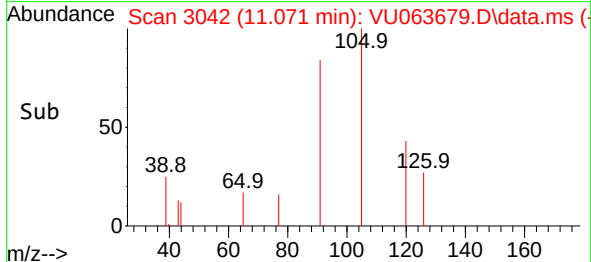
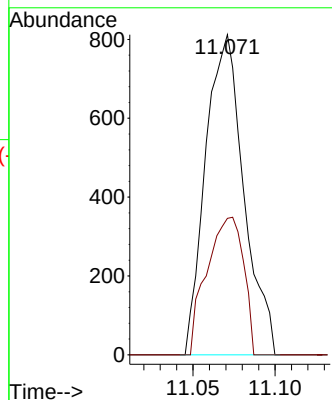
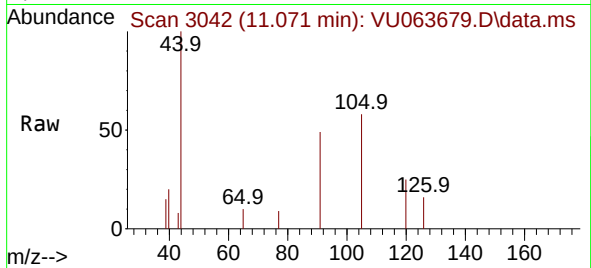




#75
1,3,5-Trimethylbenzene
Concen: 0.018 ug/l
RT: 11.071 min Scan# 3042
Delta R.T. 0.009 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

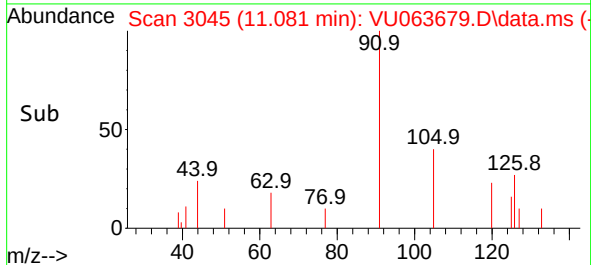
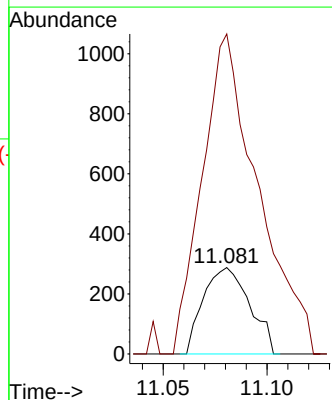
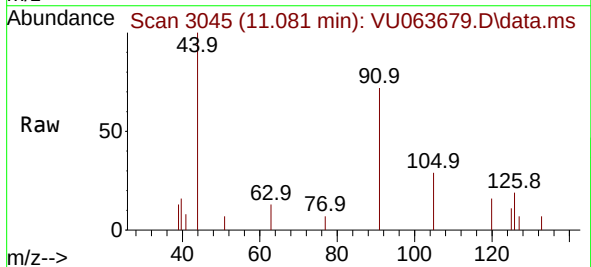
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

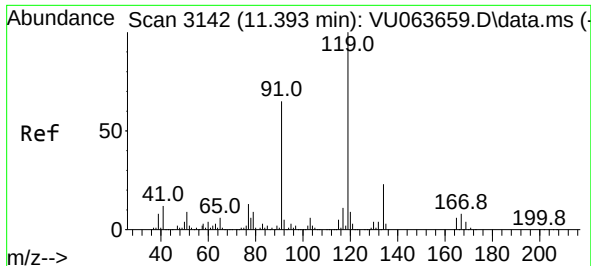
Tgt Ion:105 Resp: 1314
Ion Ratio Lower Upper
105 100
120 41.2 38.2 57.2



#76
4-Chlorotoluene
Concen: 0.023 ug/l
RT: 11.081 min Scan# 3045
Delta R.T. 0.009 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion:126 Resp: 446
Ion Ratio Lower Upper
126 100
91 446.2 0.0 716.6

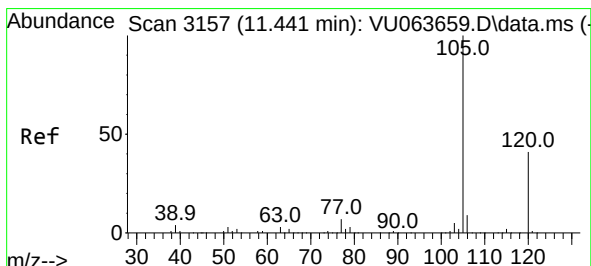
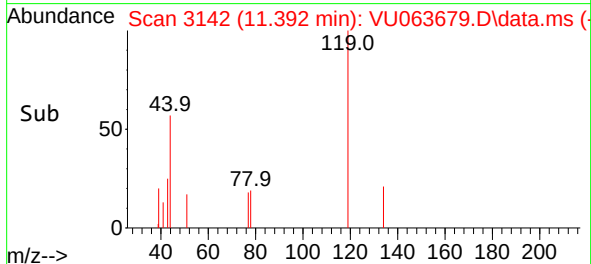
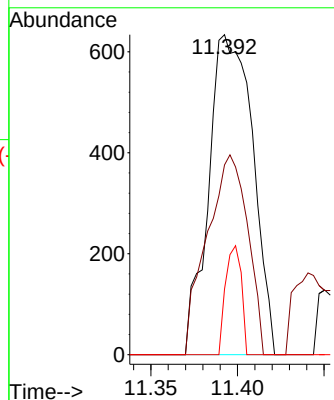
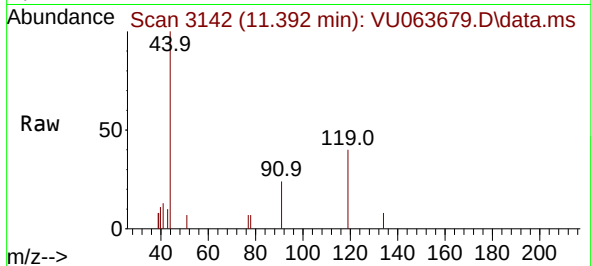




#77
tert-Butylbenzene
Concen: 0.016 ug/l
RT: 11.392 min Scan# 3142
Delta R.T. -0.000 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

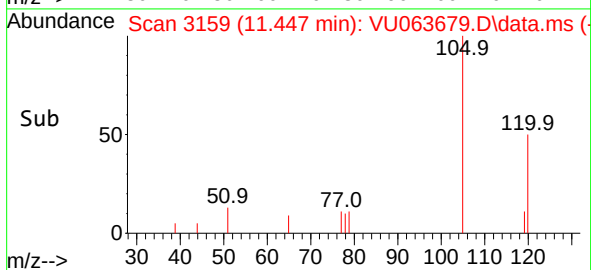
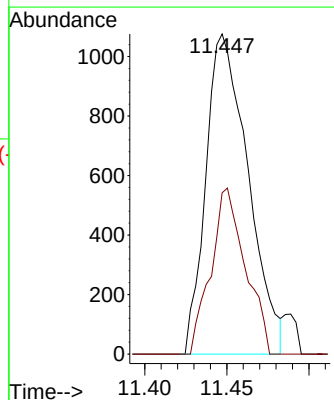
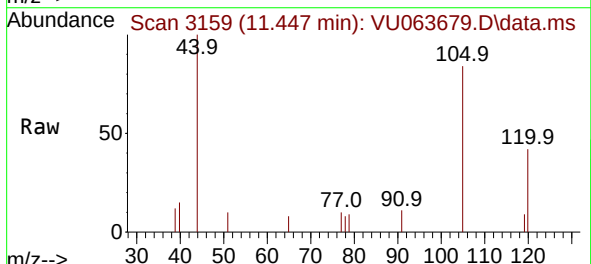
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

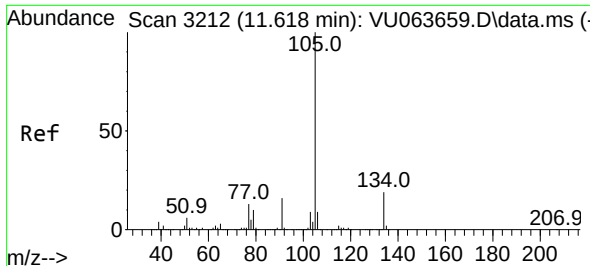
Tgt Ion:119 Resp: 1125
Ion Ratio Lower Upper
119 100
91 57.5 31.3 93.8
134 12.1 18.7 28.1#



#78
1,2,4-Trimethylbenzene
Concen: 0.027 ug/l
RT: 11.447 min Scan# 3159
Delta R.T. 0.006 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion:105 Resp: 1922
Ion Ratio Lower Upper
105 100
120 42.3 22.4 67.0

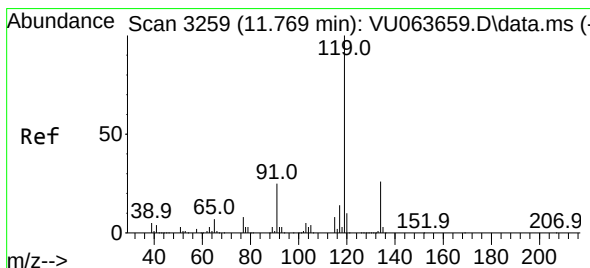
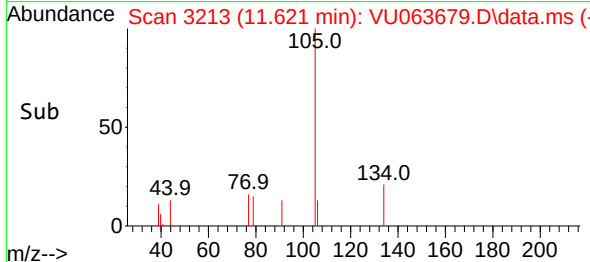
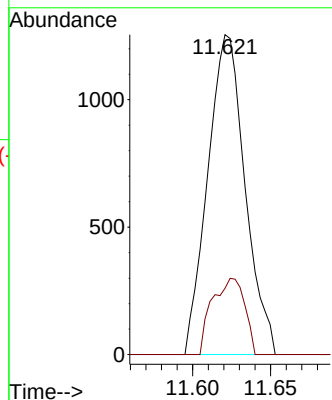
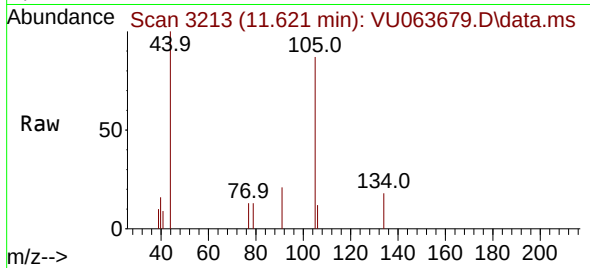




#79
 sec-Butylbenzene
 Concen: 0.022 ug/l
 RT: 11.621 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

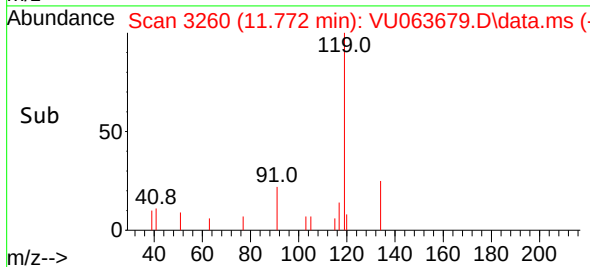
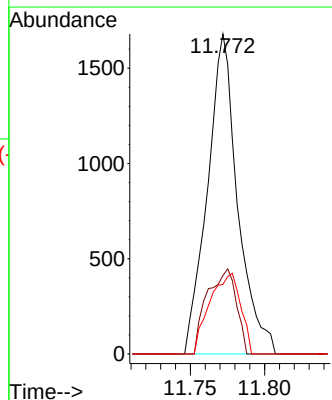
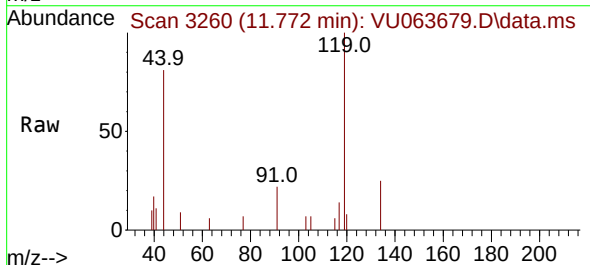
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBL01

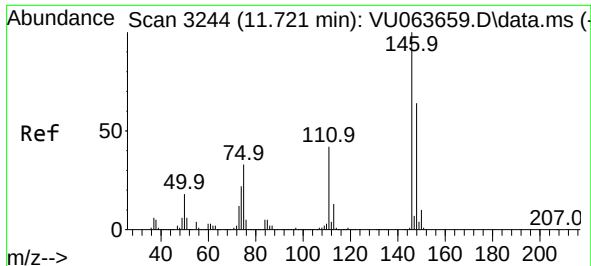
Tgt Ion:105 Resp: 2085
 Ion Ratio Lower Upper
 105 100
 134 20.7 15.7 23.5



#81
 p-Isopropyltoluene
 Concen: 0.030 ug/l
 RT: 11.772 min Scan# 3260
 Delta R.T. 0.003 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

Tgt Ion:119 Resp: 2373
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.3 30.5
 91 25.7 20.1 30.1





#82

1,3-Dichlorobenzene

Concen: 0.032 ug/l

RT: 11.730 min Scan# 31

Delta R.T. 0.009 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01

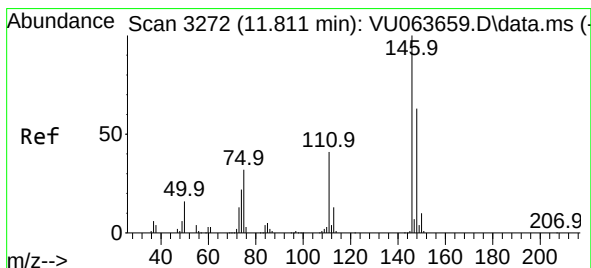
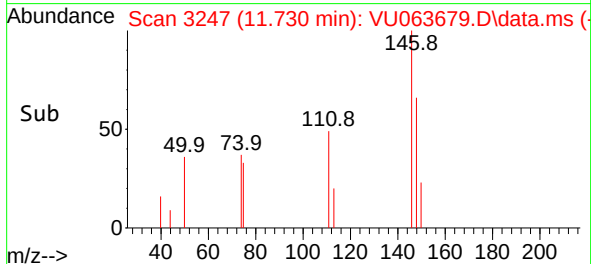
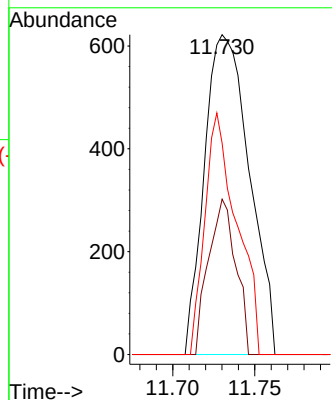
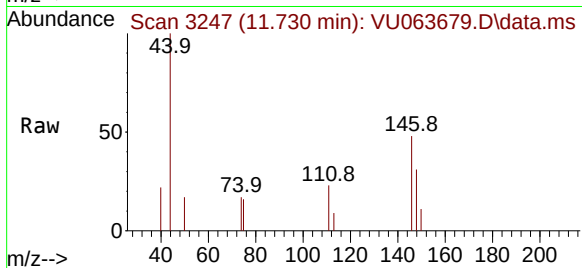
Tgt Ion:146 Resp: 1185

Ion Ratio Lower Upper

146 100

111 29.5 33.8 50.8#

148 53.5 50.8 76.2



#83

1,4-Dichlorobenzene

Concen: 0.045 ug/l

RT: 11.820 min Scan# 3275

Delta R.T. 0.009 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

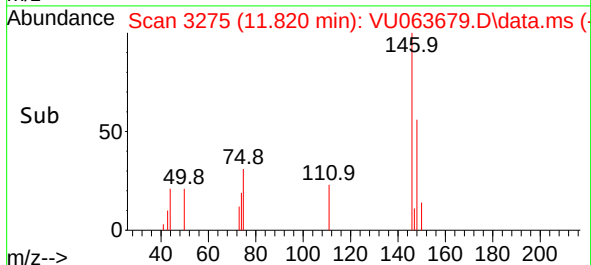
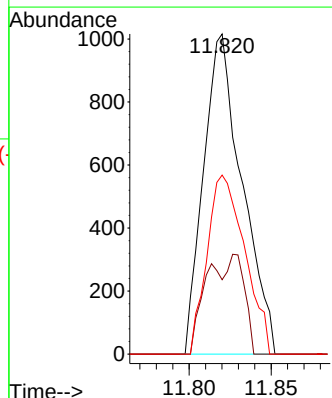
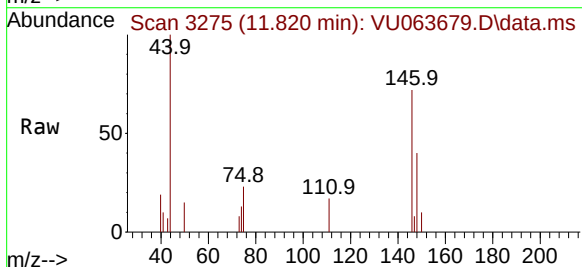
Tgt Ion:146 Resp: 1658

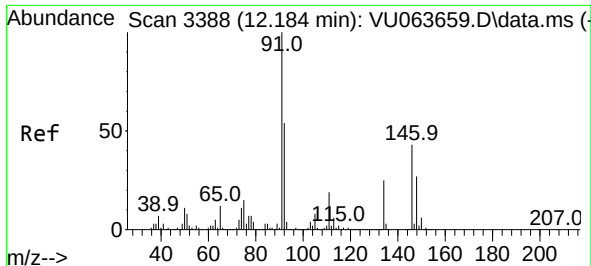
Ion Ratio Lower Upper

146 100

111 14.8 33.0 49.4#

148 54.6 50.6 76.0

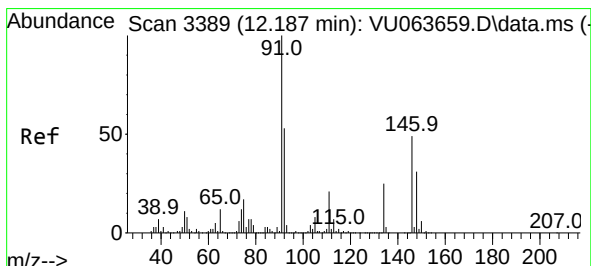
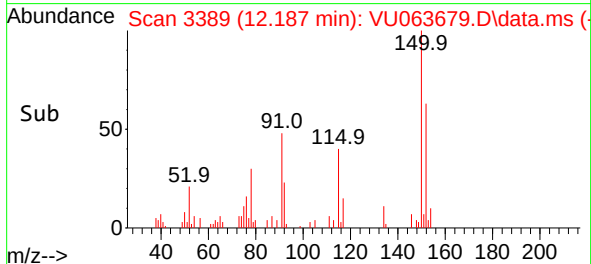
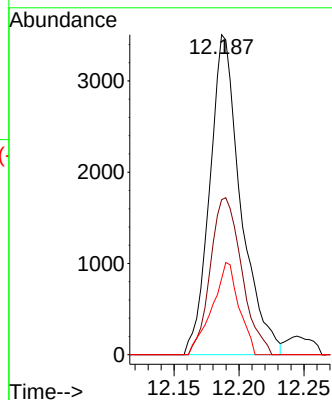
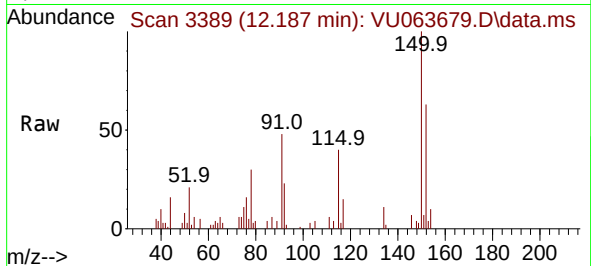




#84
n-Butylbenzene
Concen: 0.083 ug/l
RT: 12.187 min Scan# 3388
Delta R.T. 0.003 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

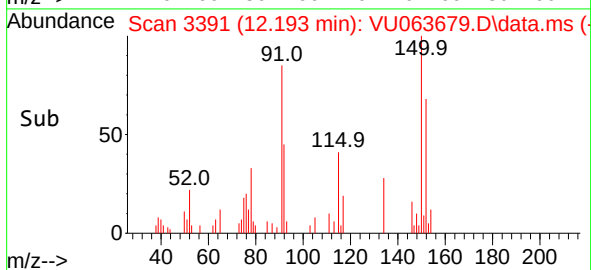
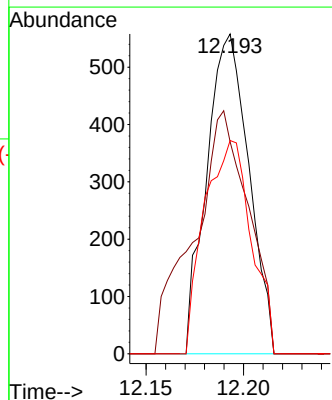
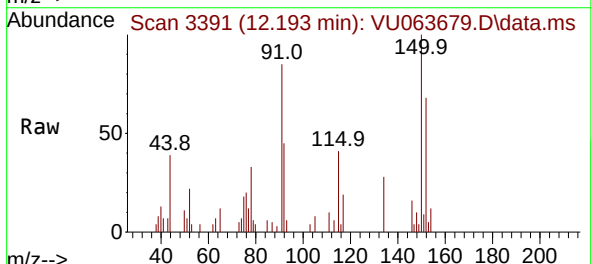
Instrument :
MSVOA_U
ClientSampleId :
VU1107WBL01

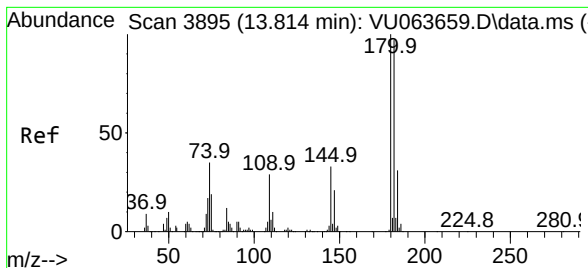
Tgt Ion: 91	Resp:	5821
Ion Ratio	Lower	Upper
91	100	
92	49.7	43.1 64.7
134	24.8	19.7 29.5



#85
1,2-Dichlorobenzene
Concen: 0.024 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.006 min
Lab File: VU063679.D
Acq: 07 Nov 2025 10:42

Tgt Ion: 146	Resp:	839
Ion Ratio	Lower	Upper
146	100	
111	98.2	22.2 66.6#
148	74.1	31.9 95.5





#87

1,2,4-Trichlorobenzene

Concen: 0.138 ug/l

RT: 13.823 min Scan# 3898

Delta R.T. 0.009 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

Instrument :

MSVOA_U

ClientSampleId :

VU1107WBL01

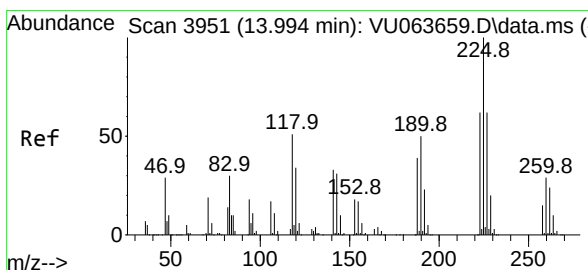
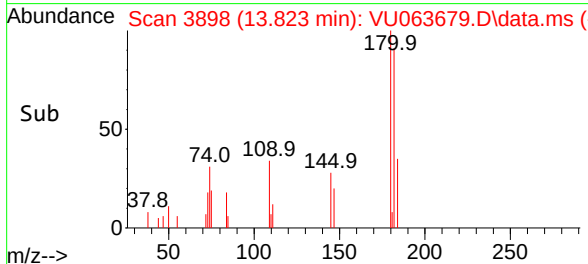
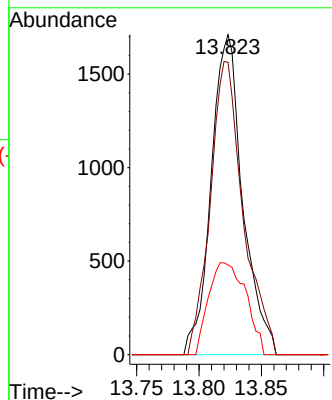
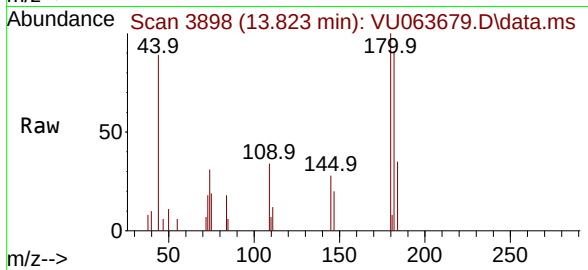
Tgt Ion:180 Resp: 3016

Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 33.9 26.2 39.2



#88

Hexachlorobutadiene

Concen: 0.042 ug/l

RT: 13.990 min Scan# 3950

Delta R.T. -0.003 min

Lab File: VU063679.D

Acq: 07 Nov 2025 10:42

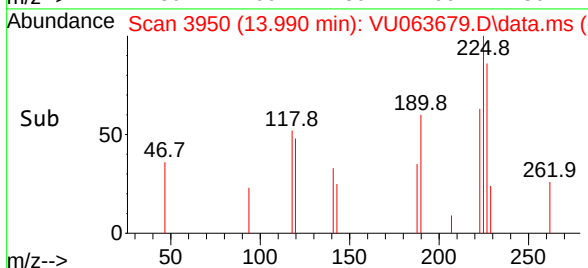
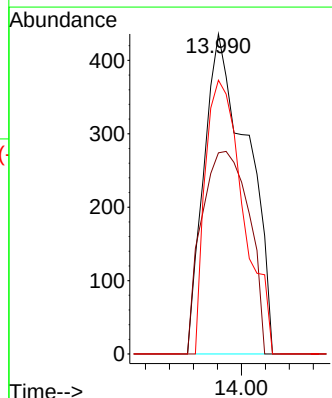
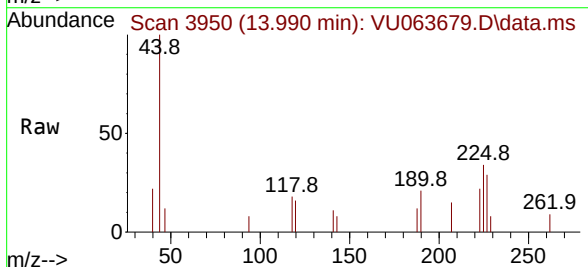
Tgt Ion:225 Resp: 551

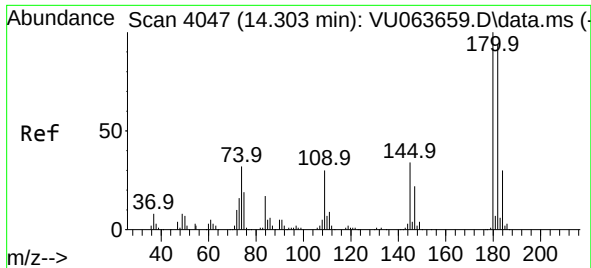
Ion Ratio Lower Upper

225 100

223 68.6 50.2 75.4

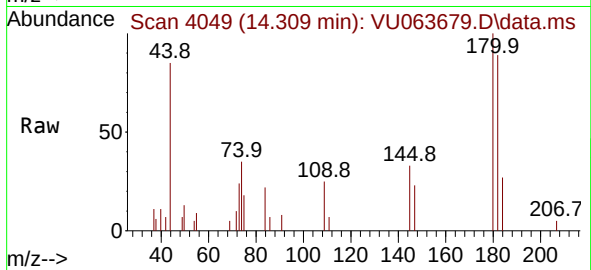
227 74.6 50.0 75.0





#90
 1,2,3-Trichlorobenzene
 Concen: 0.179 ug/l
 RT: 14.309 min Scan# 4049
 Delta R.T. 0.006 min
 Lab File: VU063679.D
 Acq: 07 Nov 2025 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1107WBL01



Tgt Ion:180 Resp: 3573
 Ion Ratio Lower Upper
 180 100
 182 90.2 75.4 113.0
 145 32.0 27.4 41.2

