

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012224\
 Data File : VX039874.D
 Acq On : 22 Jan 2024 11:36
 Operator : JC/MD
 Sample : P1184-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMOGW-4-37-40DL

Quant Time: Jan 23 00:14:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

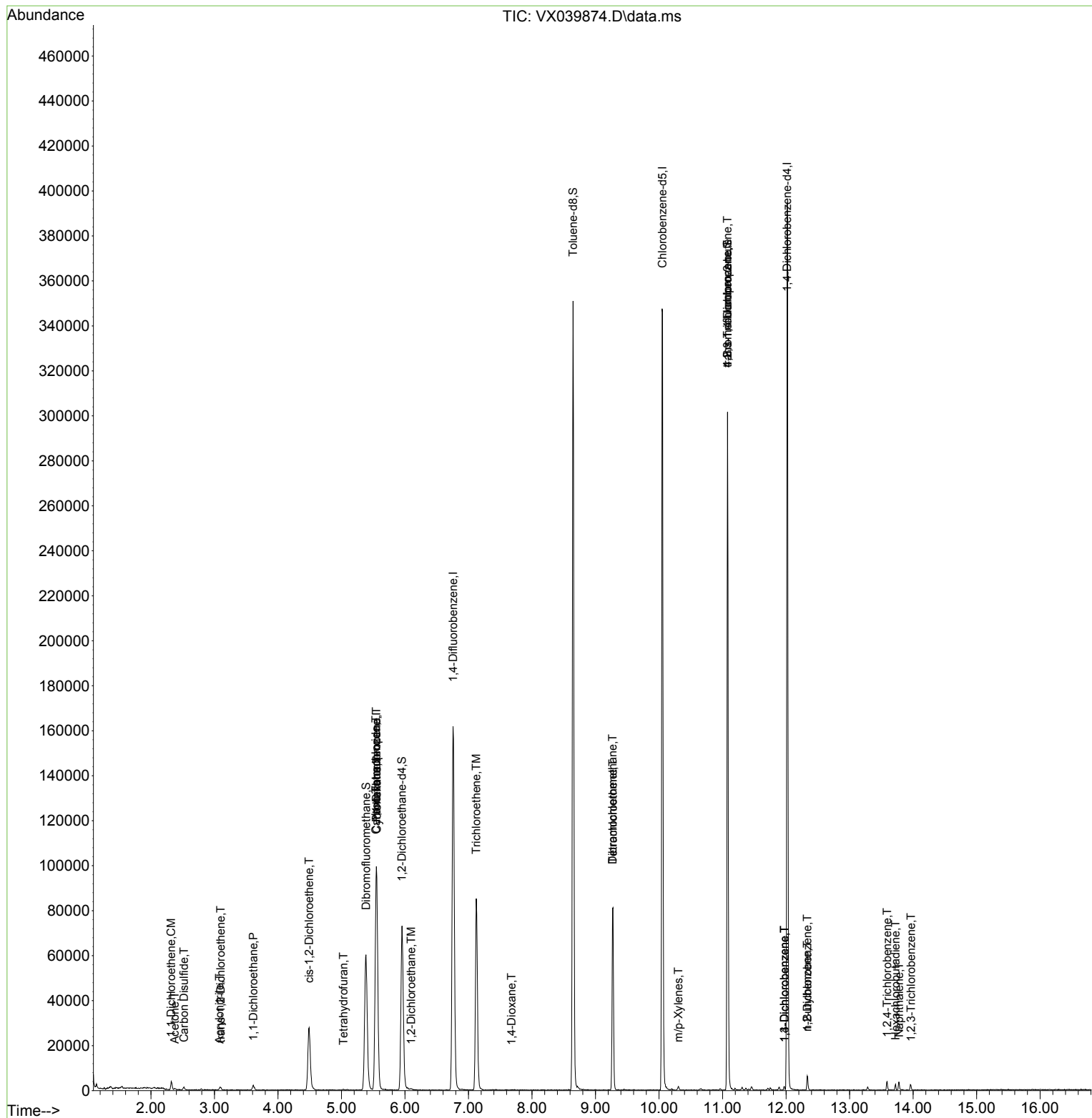
Internal Standards						
1) Pentafluorobenzene	5.550	168	87659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68159	46.417	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.840%		
35) Dibromofluoromethane	5.385	113	52013	48.163	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.320%		
50) Toluene-d8	8.647	98	196402	48.220	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.440%		
62) 4-Bromofluorobenzene	11.079	95	76832	48.239	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.480%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.319	96	1116	1.058	ug/l	92
13) Acrolein	2.245	56	23	Below Cal	#	1
15) Acrylonitrile	3.081	53	236	0.299	ug/l #	67
16) Acetone	2.373	43	702	0.850	ug/l	91
17) Carbon Disulfide	2.520	76	1006	0.332	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	439	0.395	ug/l #	54
24) 1,1-Dichloroethane	3.611	63	2551	1.170	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	17228	13.529	ug/l	85
29) Tetrahydrofuran	5.032	42	319	0.418	ug/l #	34
31) Cyclohexane	5.556	56	2357	1.216	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8118	4.829	ug/l #	50
38) Carbon Tetrachloride	5.544	117	10474	6.803	ug/l #	14
42) 1,2-Dichloroethane	6.098	62	672	0.371	ug/l #	77
44) Trichloroethene	7.123	130	30366	26.031	ug/l	97
49) 1,4-Dioxane	7.677	88	64	2.045	ug/l #	12
60) Dibromochloromethane	9.269	129	15422	13.510	ug/l #	11
64) Tetrachloroethene	9.275	164	14328	14.480	ug/l	96
68) m/p-Xylenes	10.305	106	450	0.208	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	42873	22.085	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	42873	64.066	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	632	0.248	ug/l	90
88) 1,4-Dichlorobenzene	11.975	146	632	0.241	ug/l	90
89) n-Butylbenzene	12.335	91	1608	0.332	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	1101	0.438	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	931	0.606	ug/l	95
94) Hexachlorobutadiene	13.725	225	325	0.509	ug/l	84
95) Naphthalene	13.780	128	2518	0.445	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	718	0.463	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

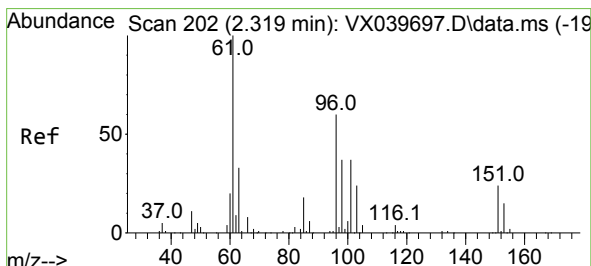
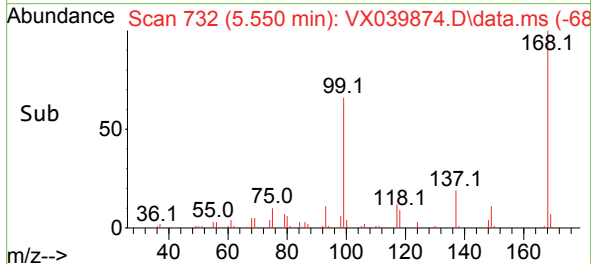
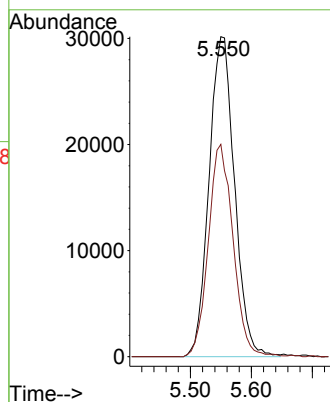
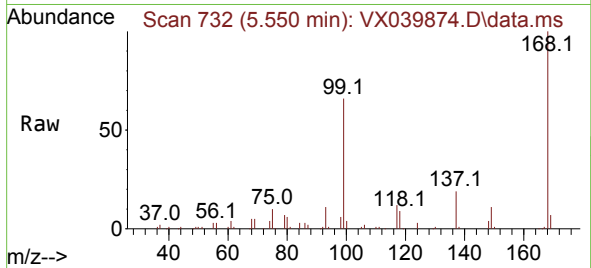




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

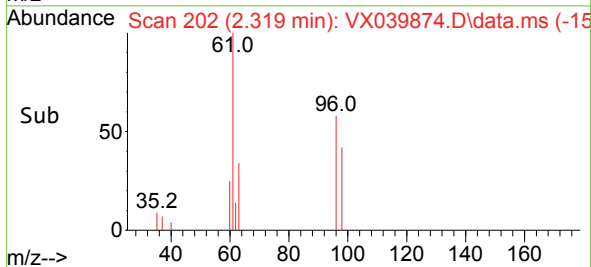
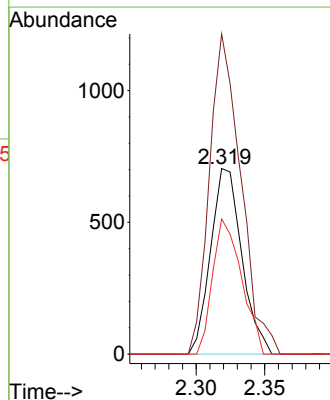
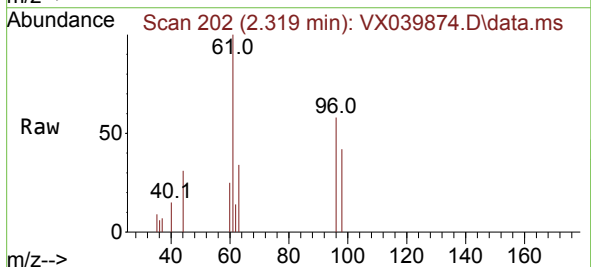
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

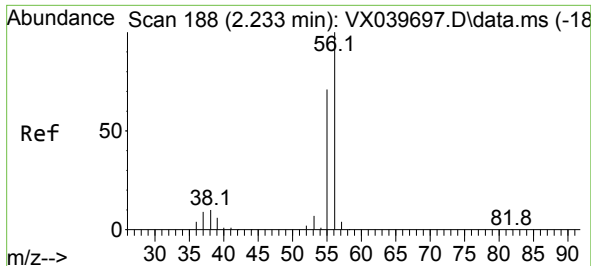
Tgt Ion:168 Resp: 87659
Ion Ratio Lower Upper
168 100
99 66.4 56.6 85.0



#12
1,1-Dichloroethene
Concen: 1.058 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion: 96 Resp: 1116
Ion Ratio Lower Upper
96 100
61 172.6 144.6 216.8
98 72.9 50.4 75.6

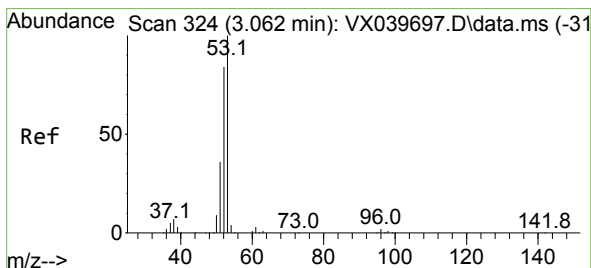
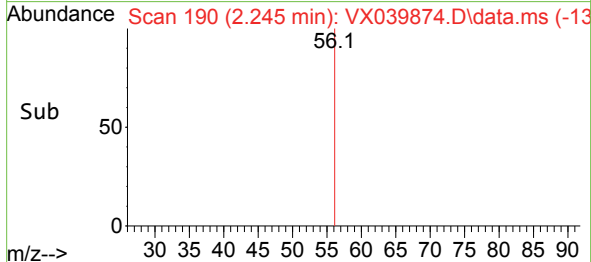
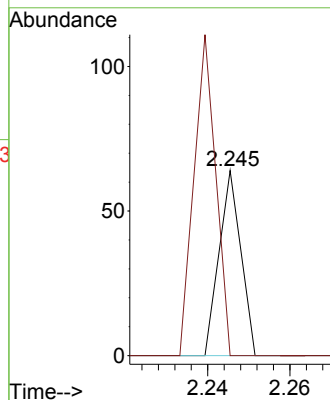
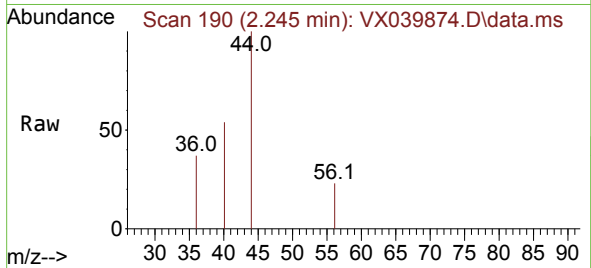




#13
Acrolein
Concen: Below Cal
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

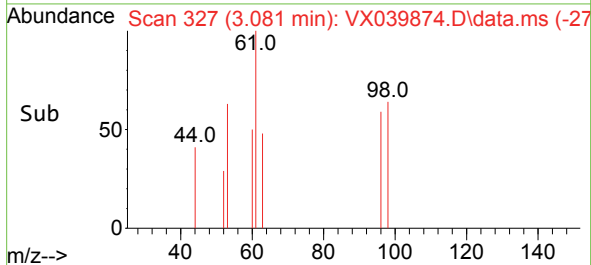
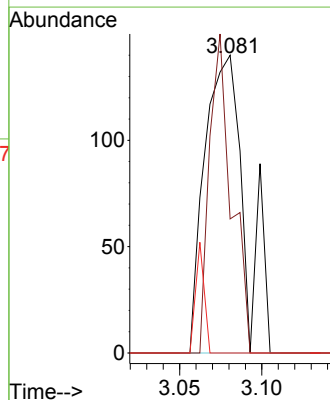
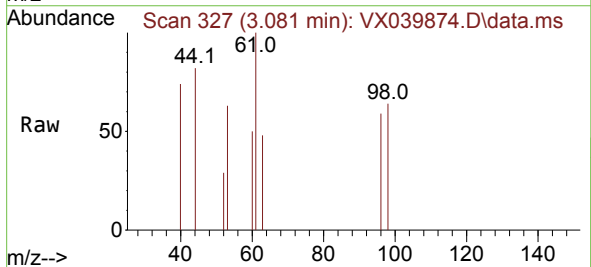
Instrument :
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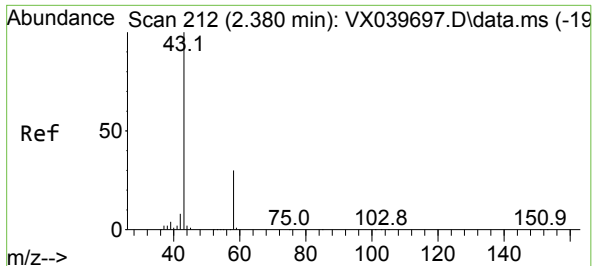
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 178.3 57.1 85.7#



#15
Acrylonitrile
Concen: 0.299 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion: 53 Resp: 236
Ion Ratio Lower Upper
53 100
52 58.9 66.0 99.0#
51 8.1 29.8 44.6#

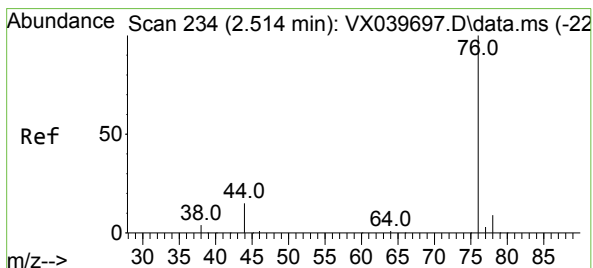
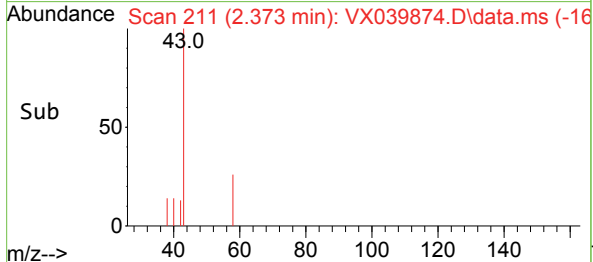
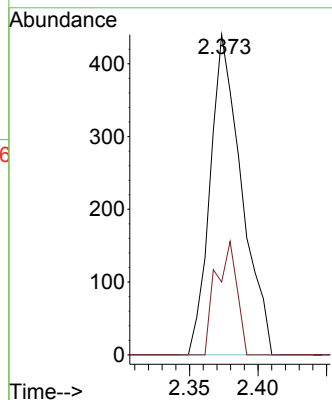
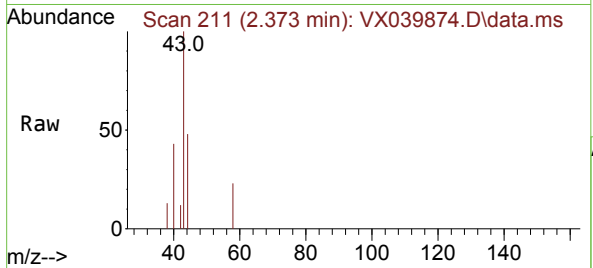




#16
Acetone
Concen: 0.850 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

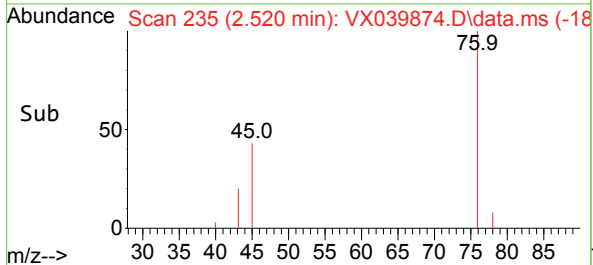
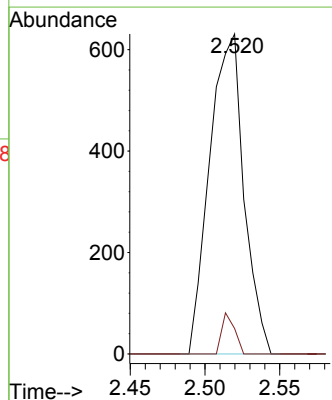
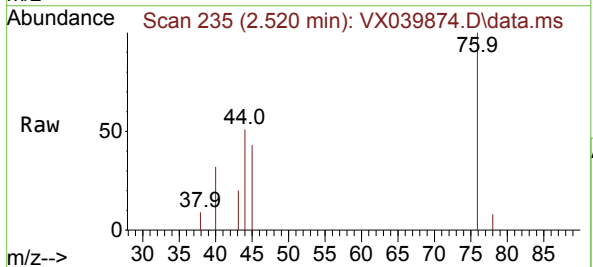
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

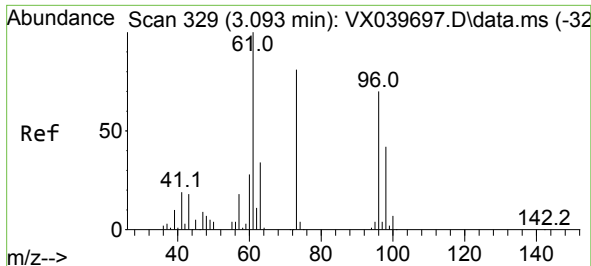
Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
58 22.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion: 76 Resp: 1006
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6

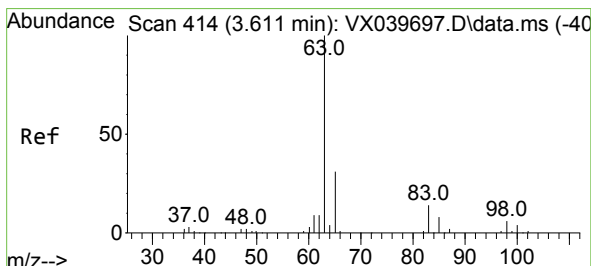
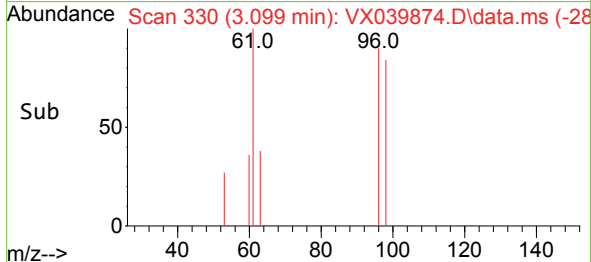
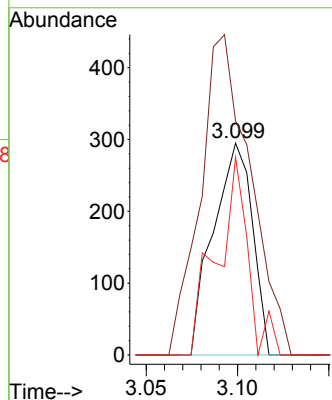
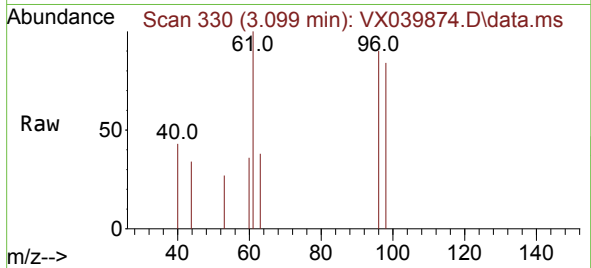




#21
trans-1,2-Dichloroethene
Concen: 0.395 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

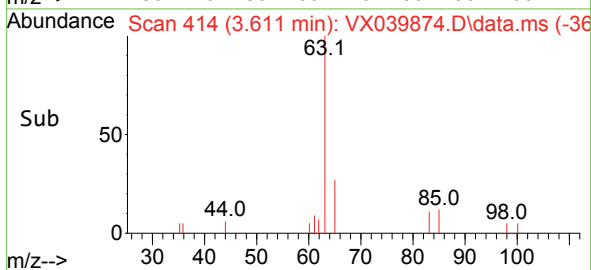
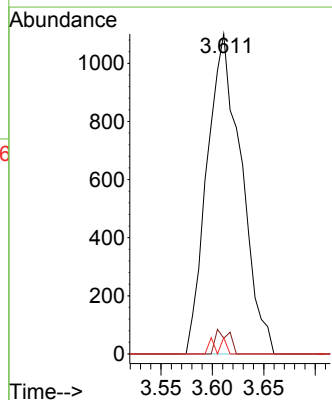
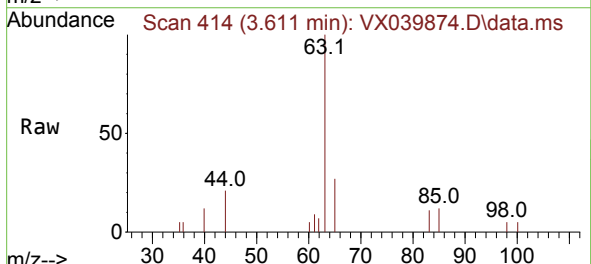
Instrument :
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ClientSampleId :
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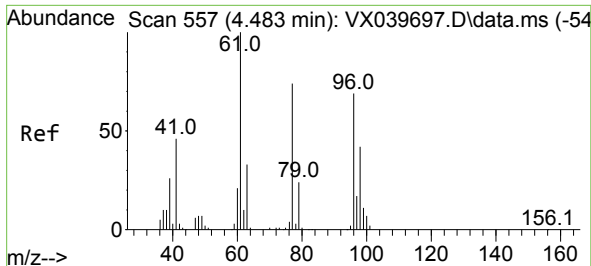
Tgt Ion: 96 Resp: 439
Ion Ratio Lower Upper
96 100
61 88.8 119.2 178.8#
98 93.2 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 1.170 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion: 63 Resp: 2551
Ion Ratio Lower Upper
63 100
98 4.9 3.3 9.8
100 5.1 2.1 6.5





#27

cis-1,2-Dichloroethene

Concen: 13.529 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX039874.D

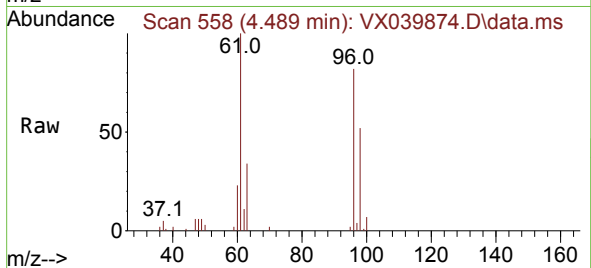
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Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-4-37-40DL



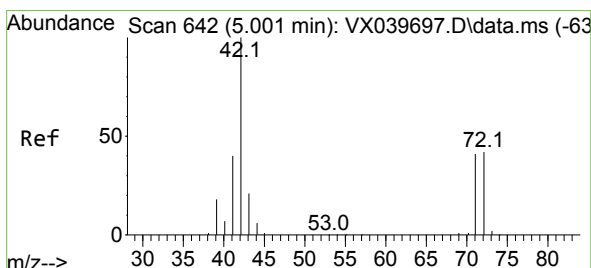
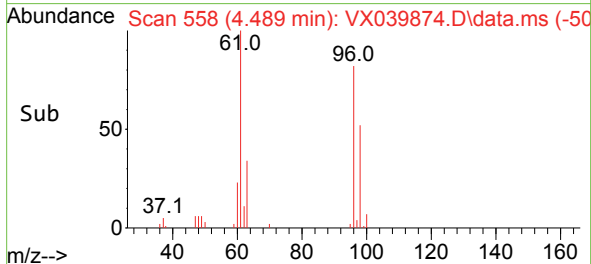
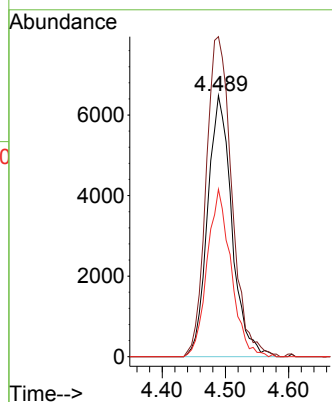
Tgt Ion: 96 Resp: 17228

Ion Ratio Lower Upper

96 100

61 129.9 0.0 312.2

98 63.2 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.418 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.030 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

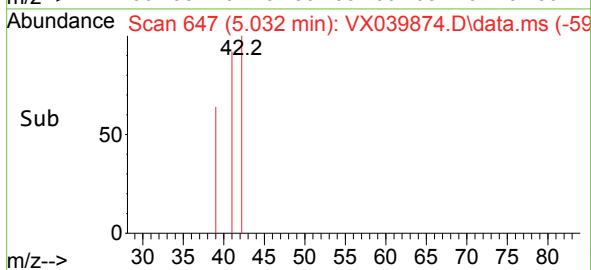
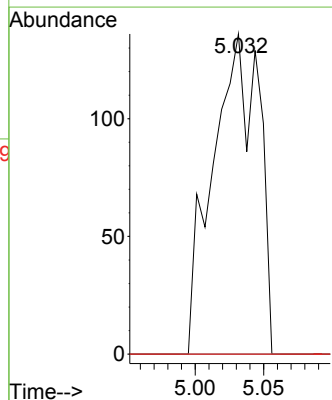
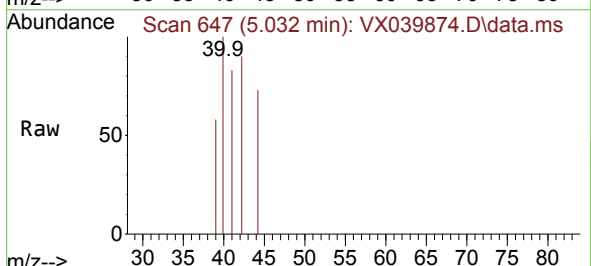
Tgt Ion: 42 Resp: 319

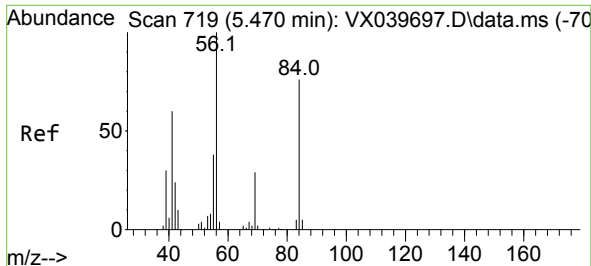
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

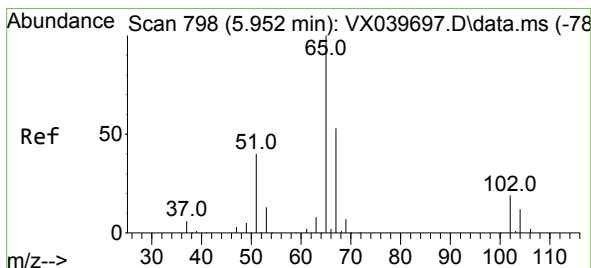
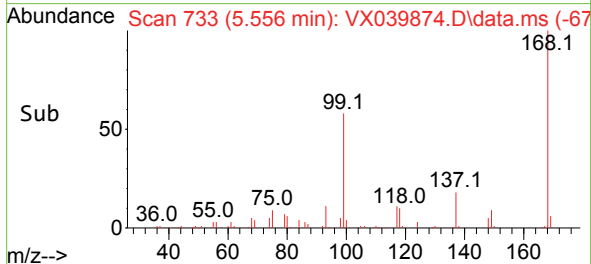
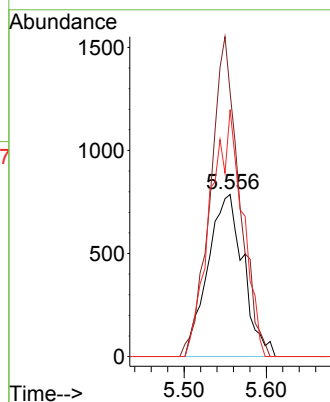
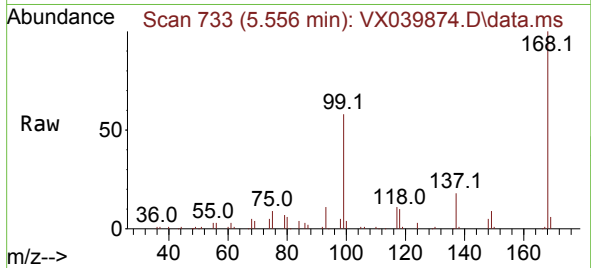




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

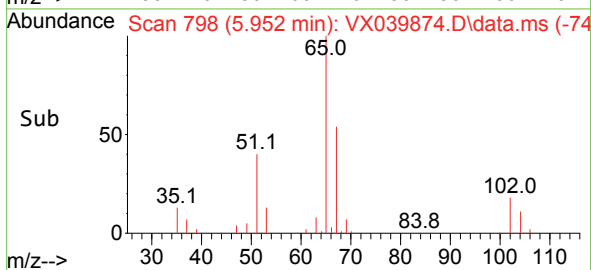
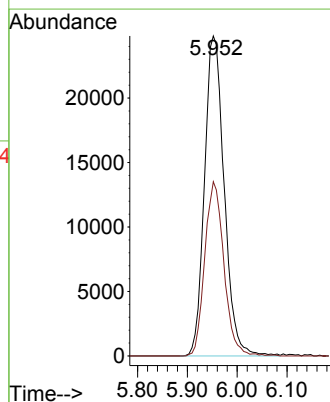
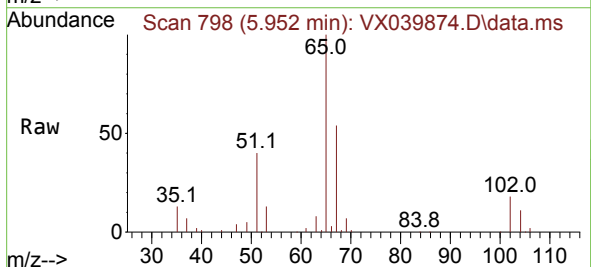
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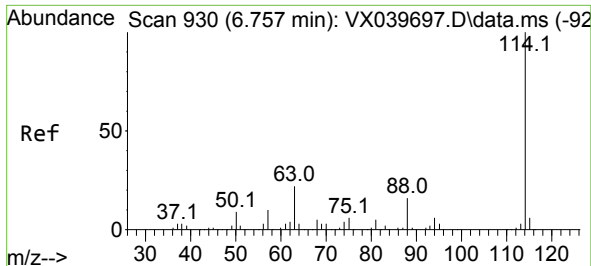
Tgt Ion: 56 Resp: 2357
Ion Ratio Lower Upper
56 100
69 162.8 23.4 35.2#
84 152.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.417 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion: 65 Resp: 68159
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

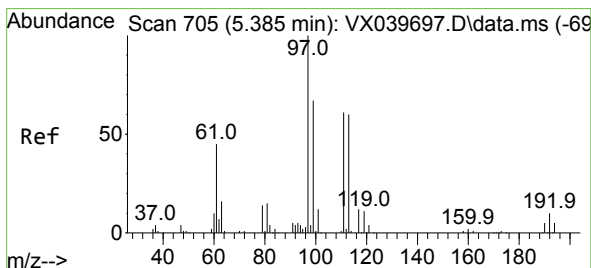
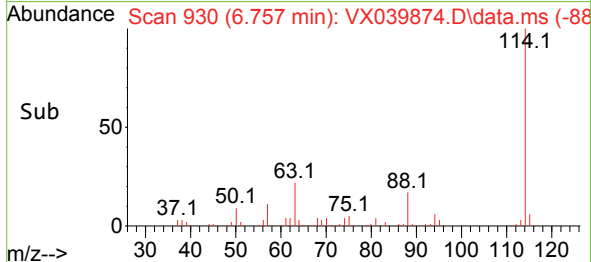
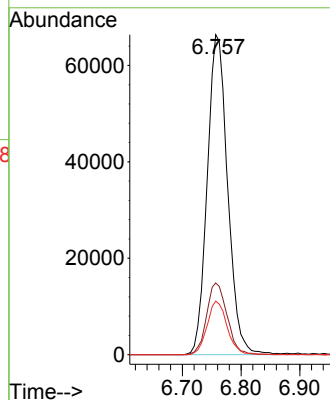
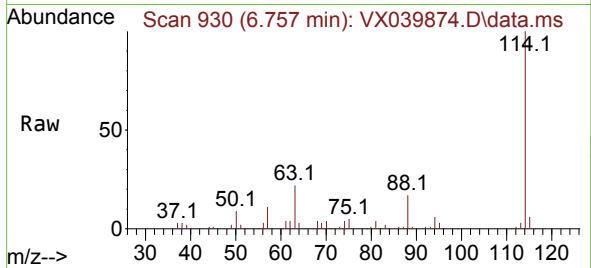




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

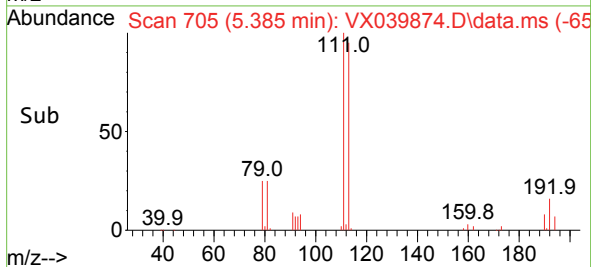
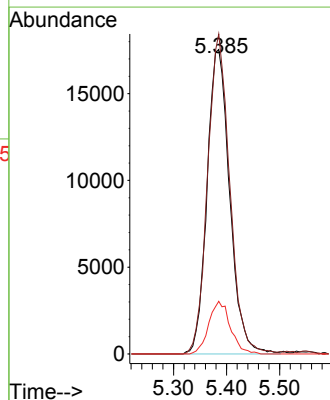
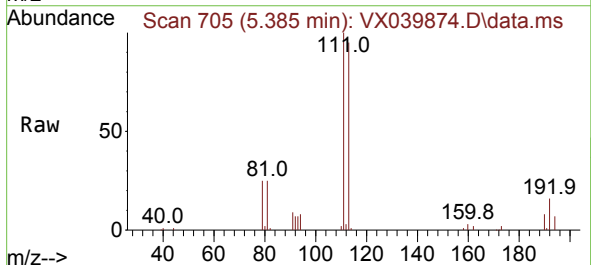
Instrument :
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SUMOGW-4-37-40DL

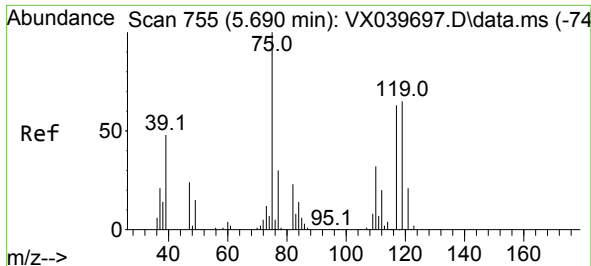
Tgt Ion:114 Resp: 160336
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.163 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion:113 Resp: 52013
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 16.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.829 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-4-37-40DL

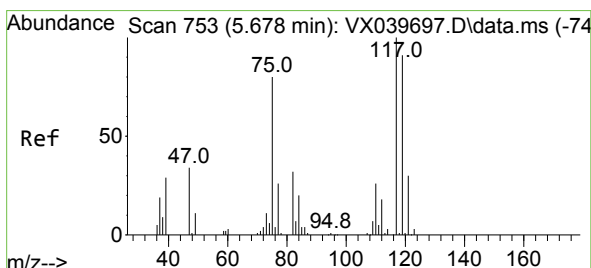
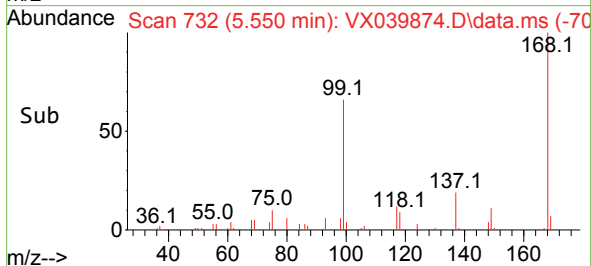
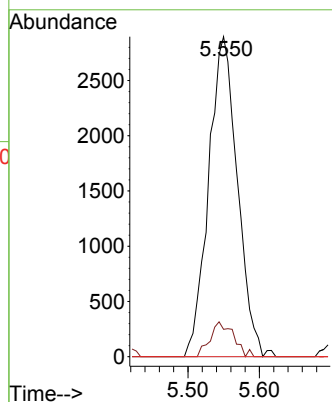
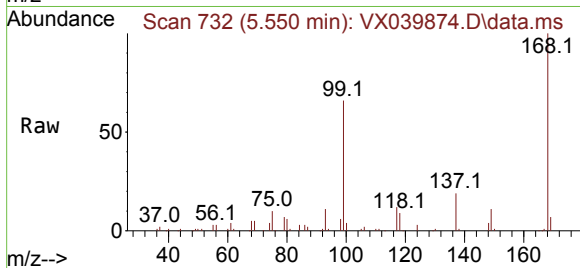
Tgt Ion: 75 Resp: 8118

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.803 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

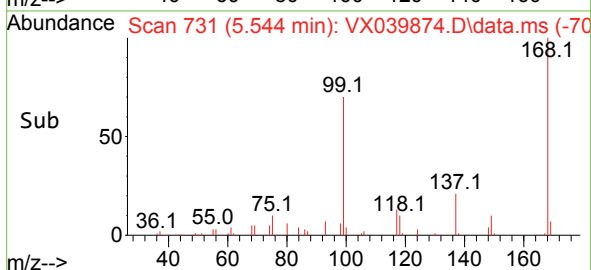
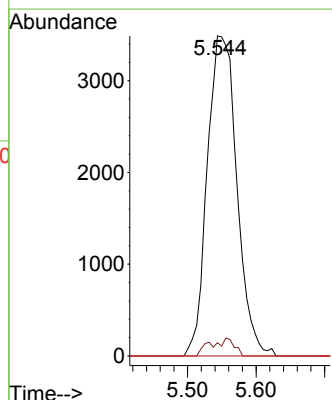
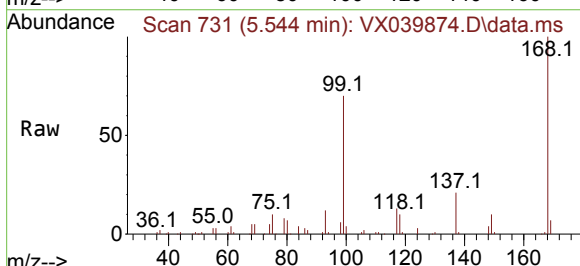
Tgt Ion: 117 Resp: 10474

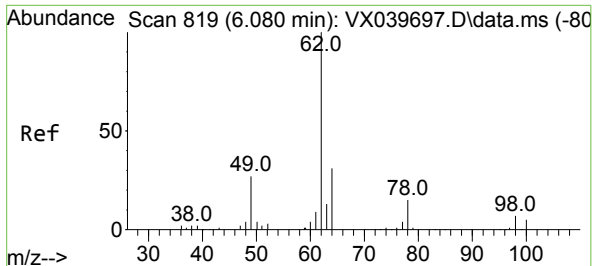
Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.371 ug/l

RT: 6.098 min Scan# 819

Delta R.T. 0.018 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

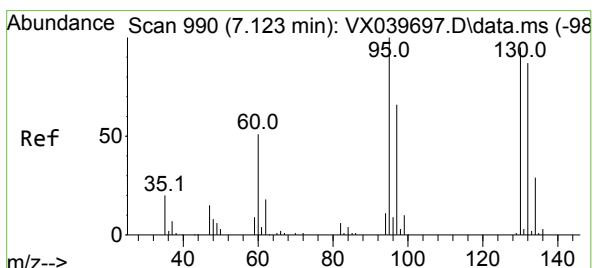
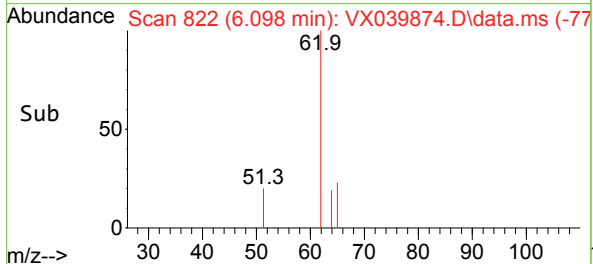
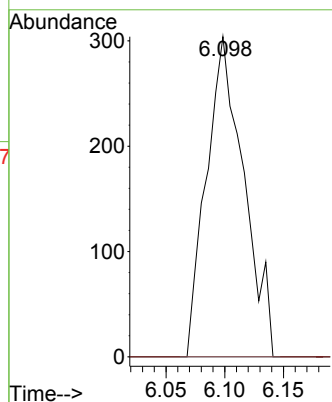
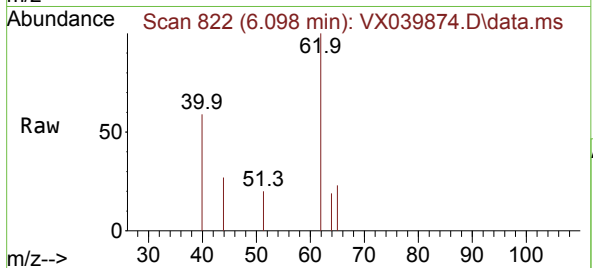
SUMOGW-4-37-40DL

Tgt Ion: 62 Resp: 672

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 26.031 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX039874.D

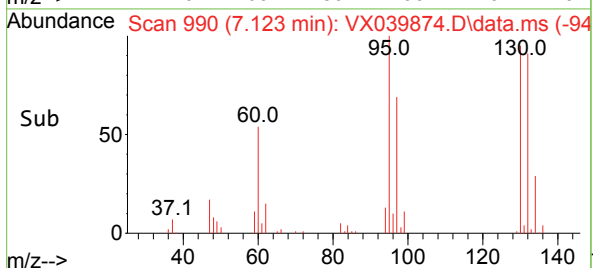
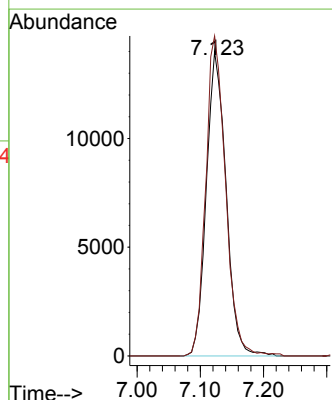
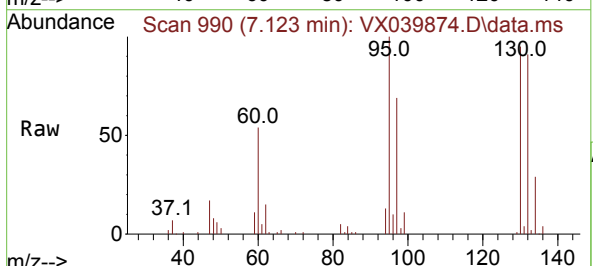
Acq: 22 Jan 2024 11:36

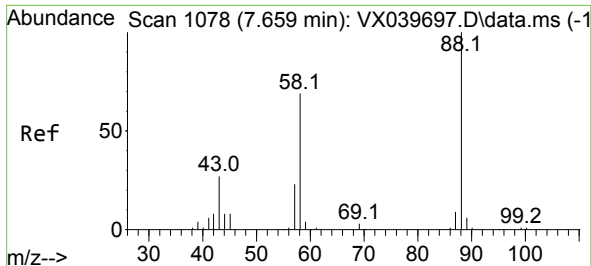
Tgt Ion:130 Resp: 30366

Ion Ratio Lower Upper

130 100

95 105.2 0.0 204.4

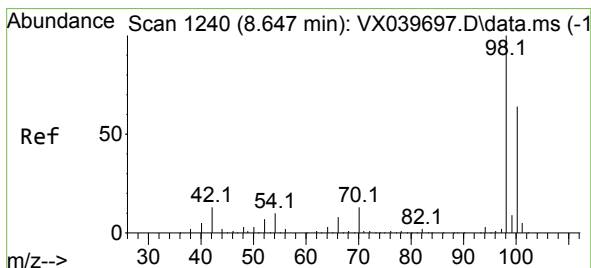
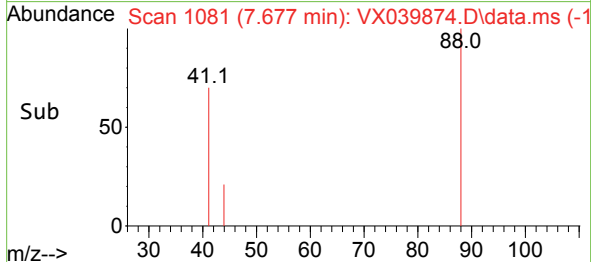
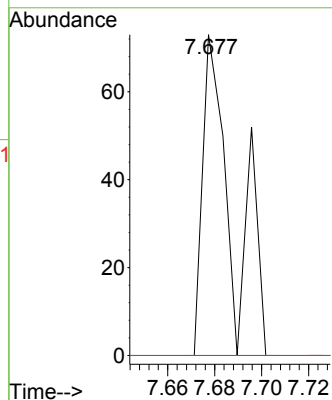
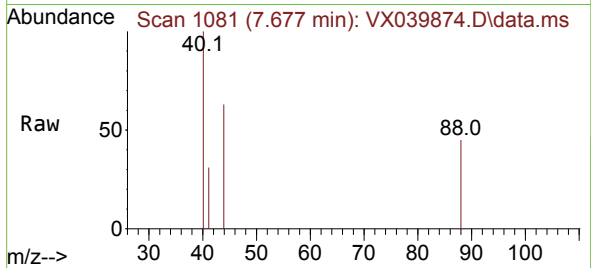




#49
1,4-Dioxane
Concen: 2.045 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

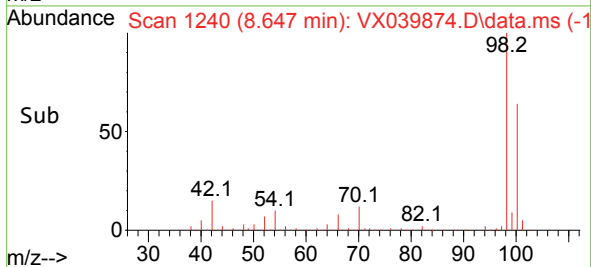
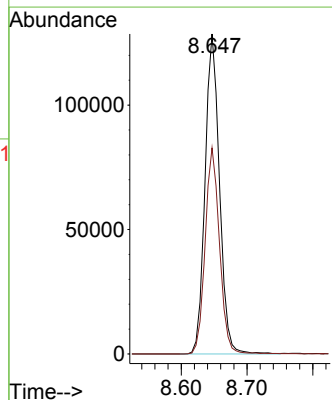
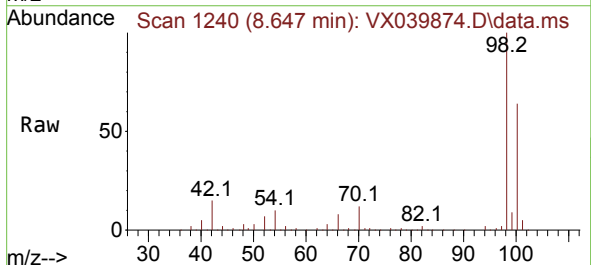
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

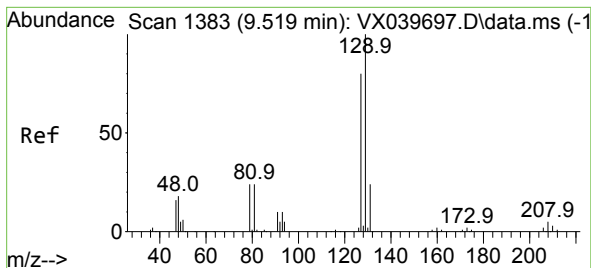
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.220 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion: 98 Resp: 196402
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7





#60

Dibromochloromethane

Concen: 13.510 ug/l

RT: 9.269 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

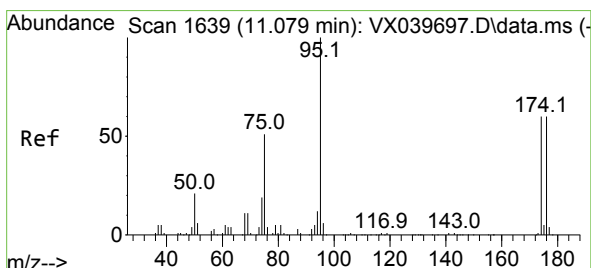
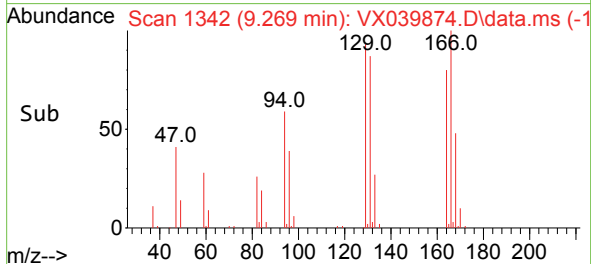
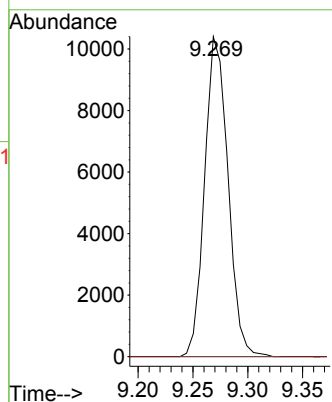
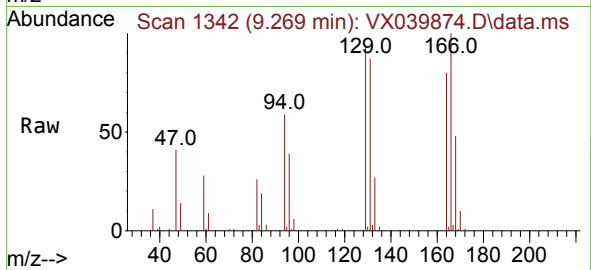
SUMOGW-4-37-40DL

Tgt Ion:129 Resp: 15422

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



#62

4-Bromofluorobenzene

Concen: 48.239 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

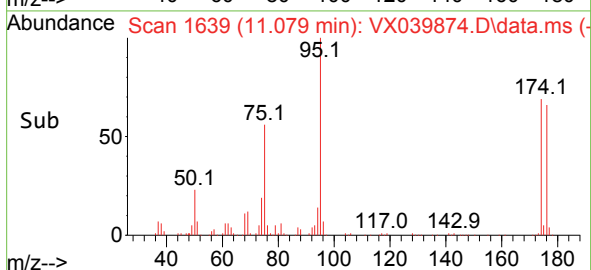
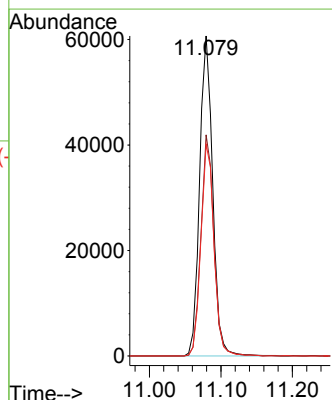
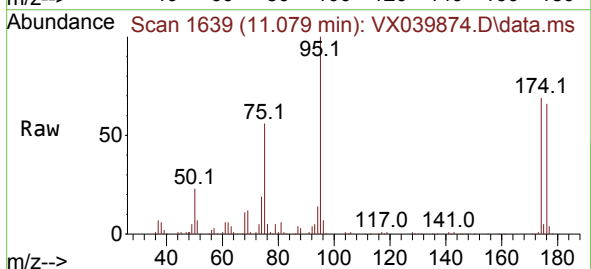
Tgt Ion: 95 Resp: 76832

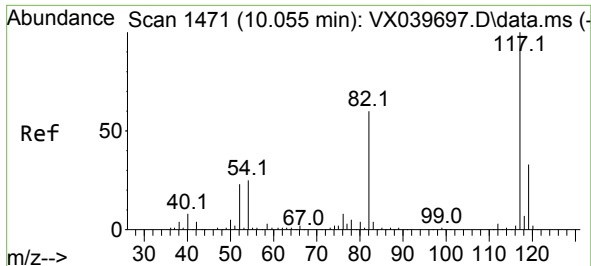
Ion Ratio Lower Upper

95 100

174 68.7 0.0 135.6

176 66.7 0.0 131.0

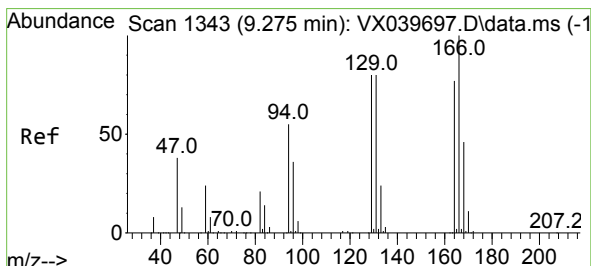
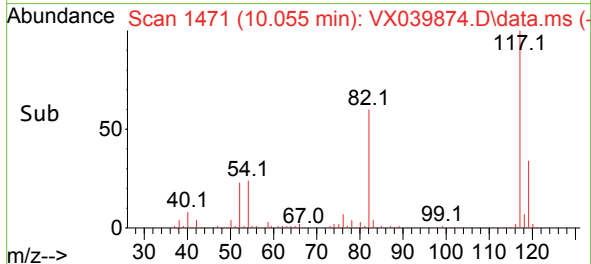
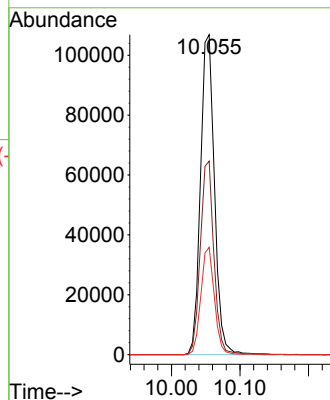
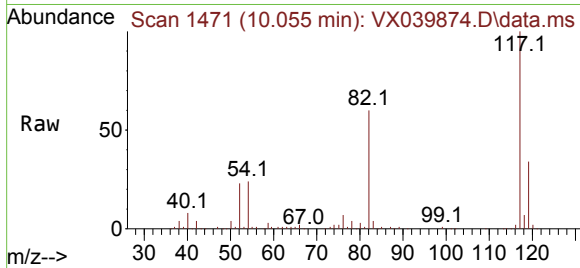




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

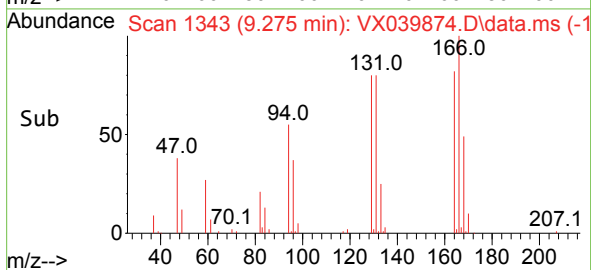
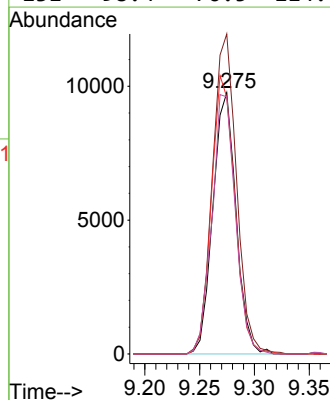
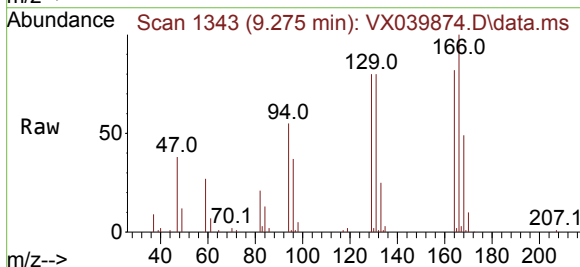
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

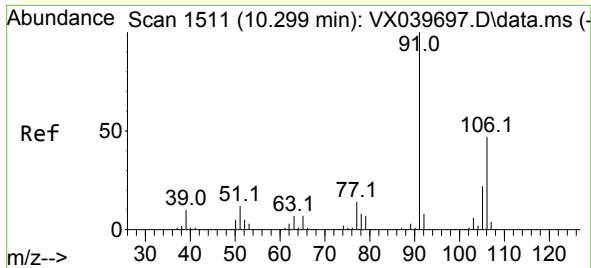
Tgt Ion:117 Resp: 152158
Ion Ratio Lower Upper
117 100
82 60.5 46.2 69.4
119 33.5 25.5 38.3



#64
Tetrachloroethene
Concen: 14.480 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion:164 Resp: 14328
Ion Ratio Lower Upper
164 100
166 122.5 102.7 154.1
129 98.3 80.4 120.6
131 98.4 76.5 114.7

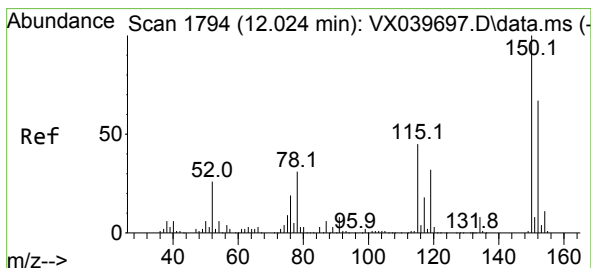
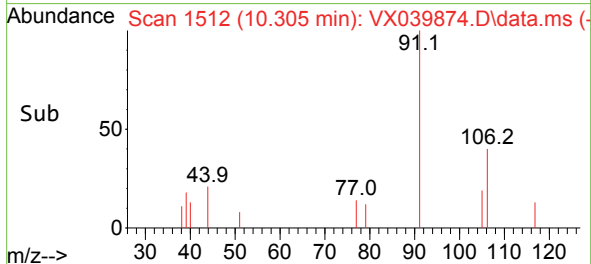
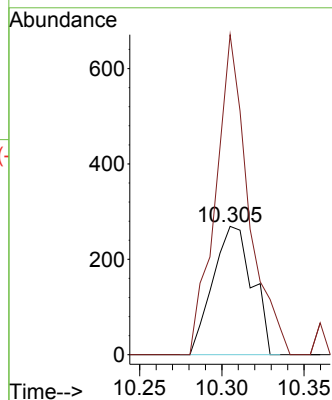
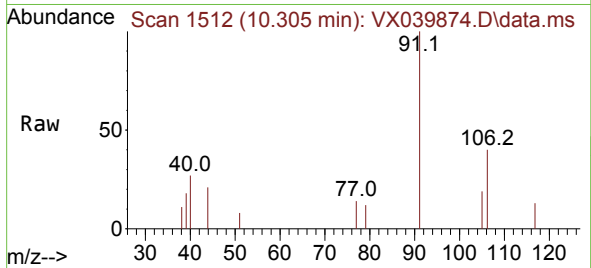




#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

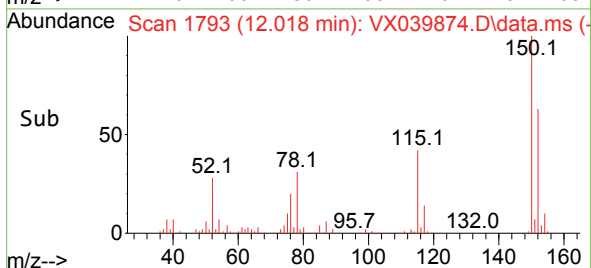
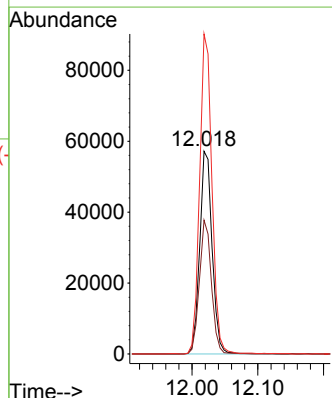
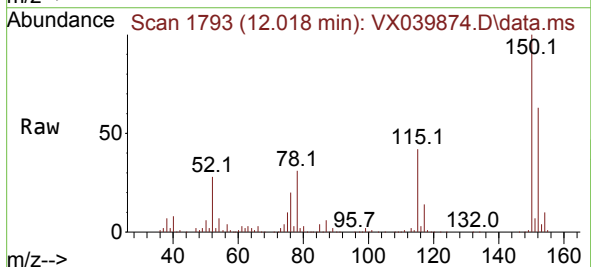
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

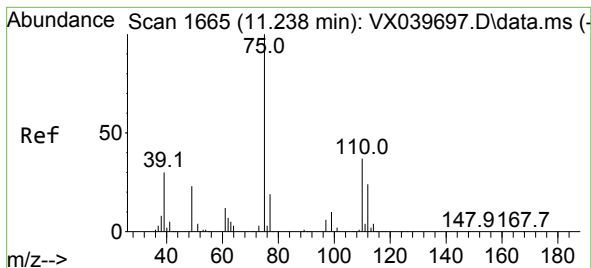
Tgt Ion:106 Resp: 450
Ion Ratio Lower Upper
106 100
91 208.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion:152 Resp: 74876
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.085 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

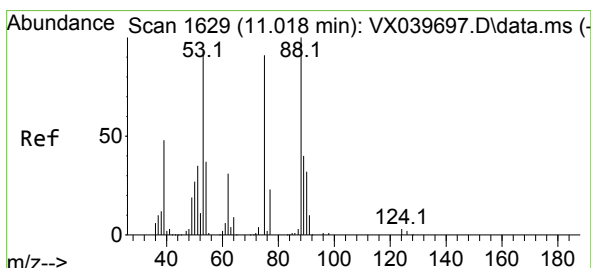
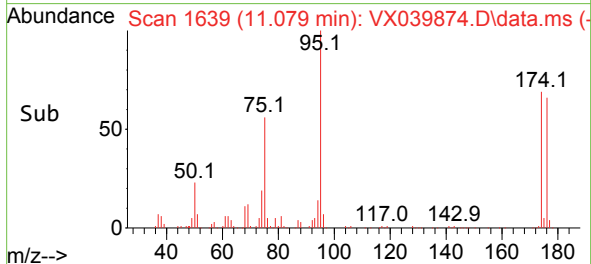
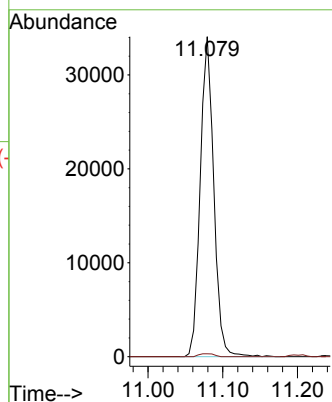
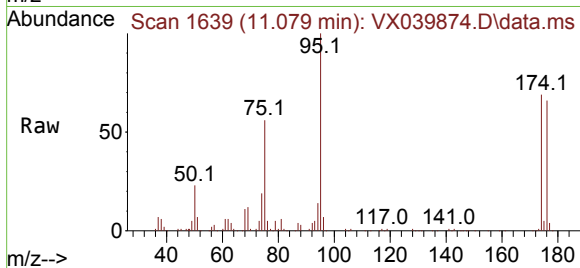
SUMOGW-4-37-40DL

Tgt Ion: 75 Resp: 42873

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.066 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

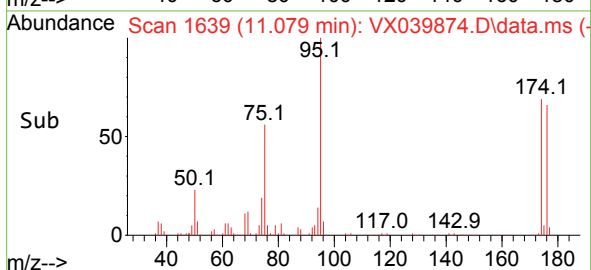
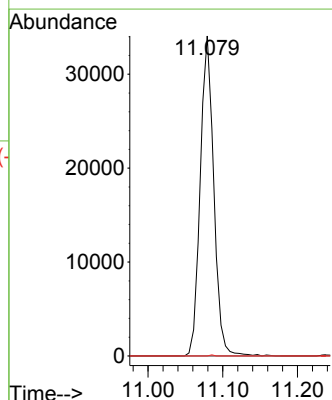
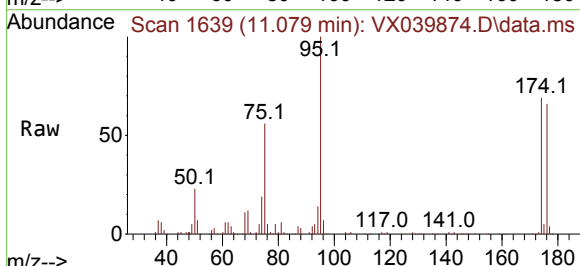
Tgt Ion: 75 Resp: 42873

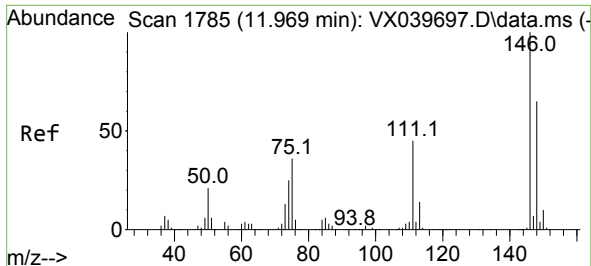
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.248 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-4-37-40DL

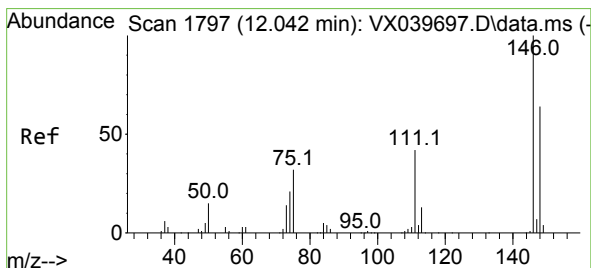
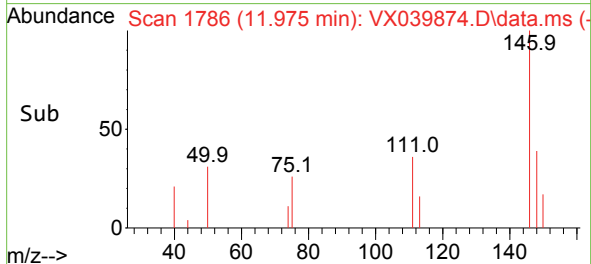
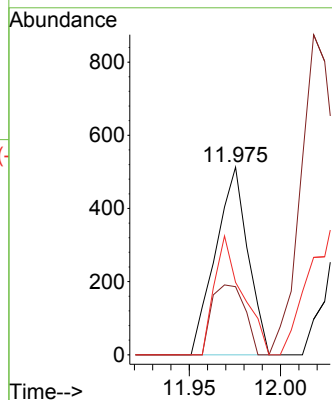
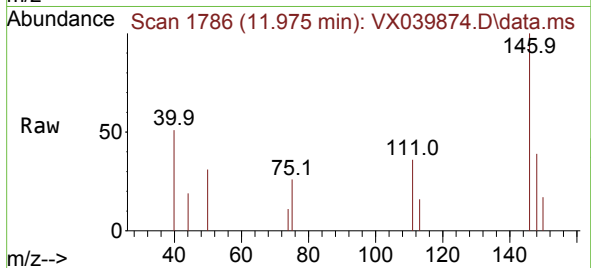
Tgt Ion:146 Resp: 632

Ion Ratio Lower Upper

146 100

111 38.0 22.1 66.1

148 54.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.241 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

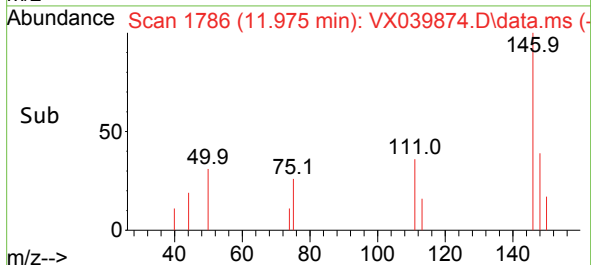
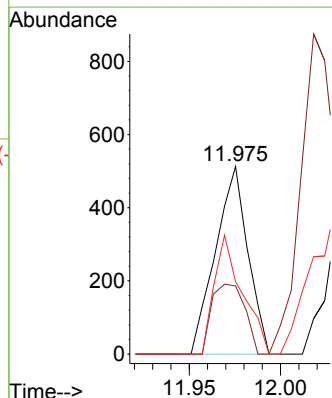
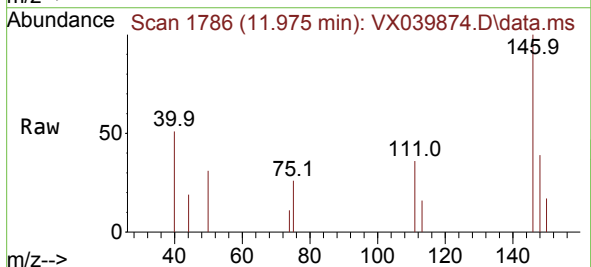
Tgt Ion:146 Resp: 632

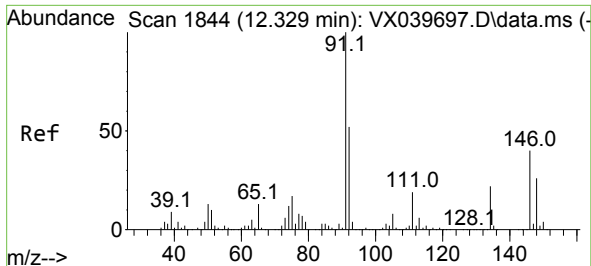
Ion Ratio Lower Upper

146 100

111 38.0 21.3 63.7

148 54.9 31.8 95.4





#89

n-Butylbenzene

Concen: 0.332 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

SUMOGW-4-37-40DL

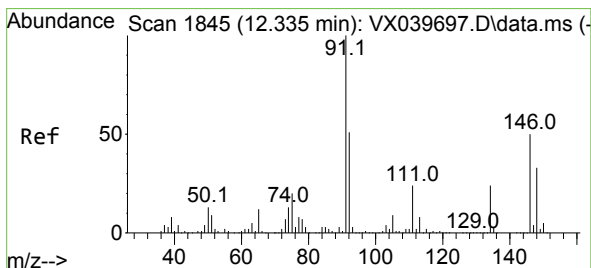
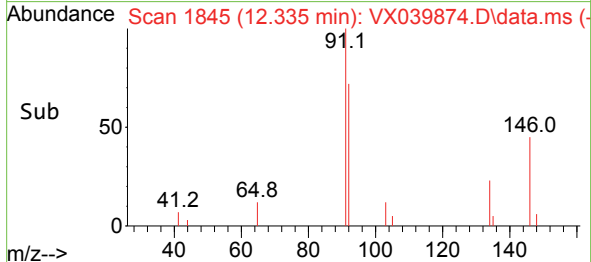
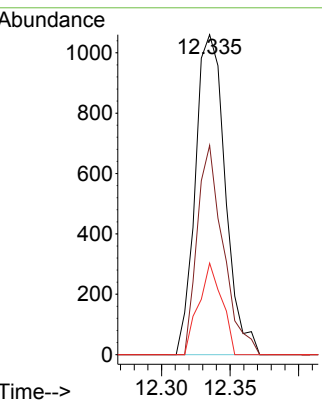
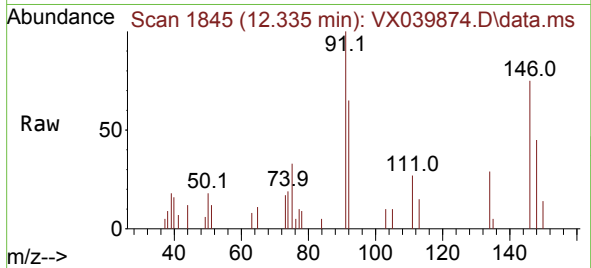
Tgt Ion: 91 Resp: 1608

Ion Ratio Lower Upper

91 100

92 57.0 27.4 82.0

134 22.1 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.438 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX039874.D

Acq: 22 Jan 2024 11:36

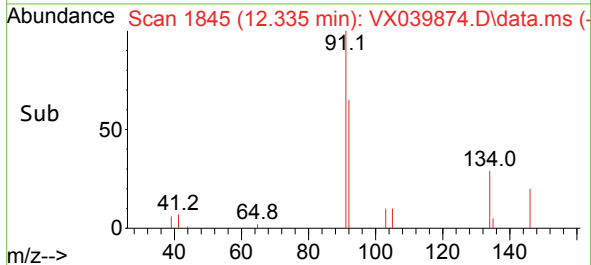
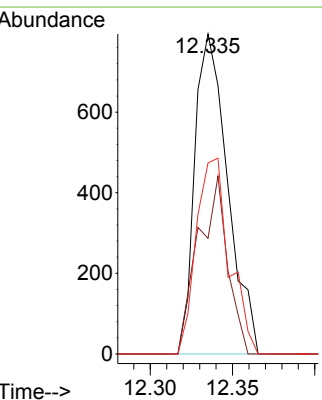
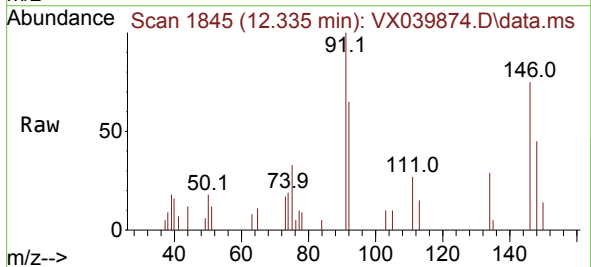
Tgt Ion: 146 Resp: 1101

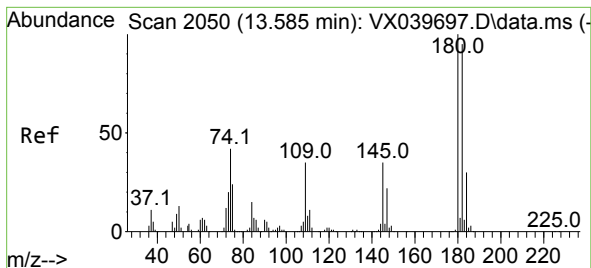
Ion Ratio Lower Upper

146 100

111 49.6 22.4 67.0

148 61.6 31.6 95.0

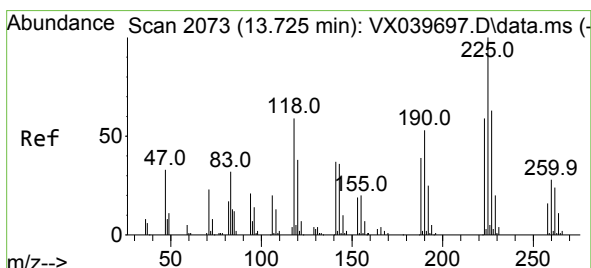
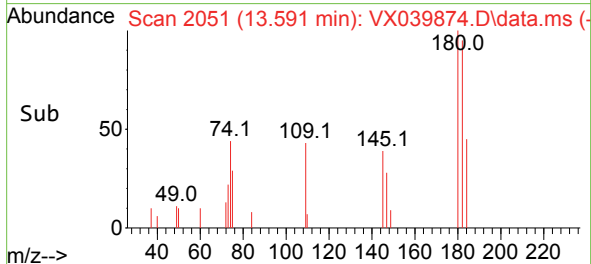
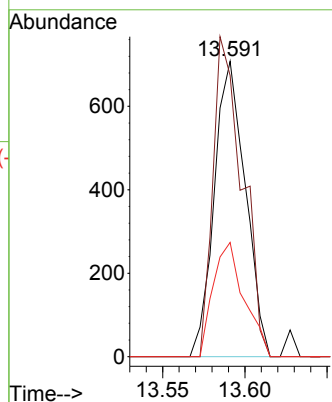
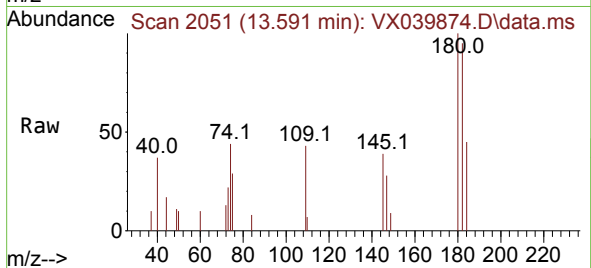




#93
1,2,4-Trichlorobenzene
Concen: 0.606 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

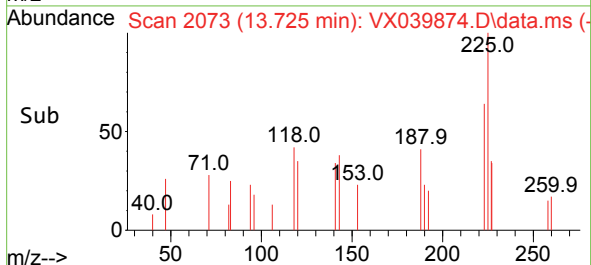
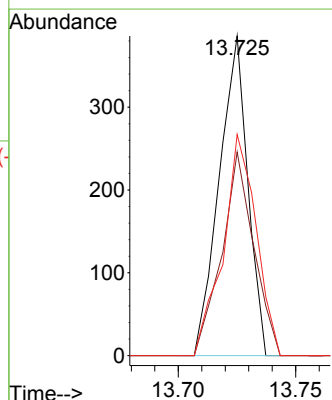
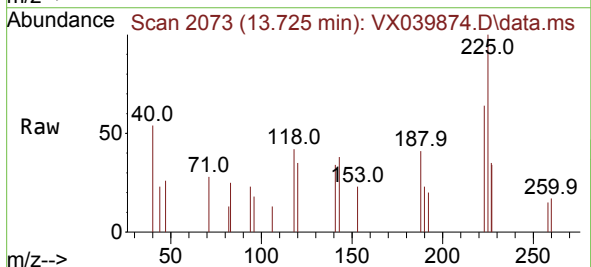
Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

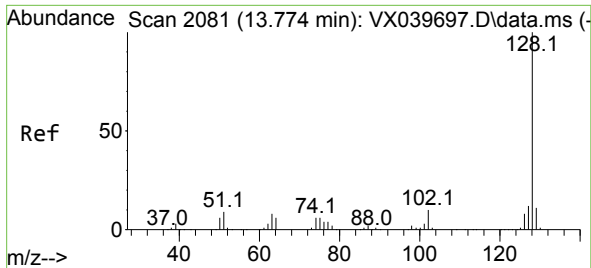
Tgt Ion:180 Resp: 931
Ion Ratio Lower Upper
180 100
182 102.1 48.3 144.8
145 38.7 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.509 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion:225 Resp: 325
Ion Ratio Lower Upper
225 100
223 71.7 31.1 93.2
227 80.0 32.5 97.5

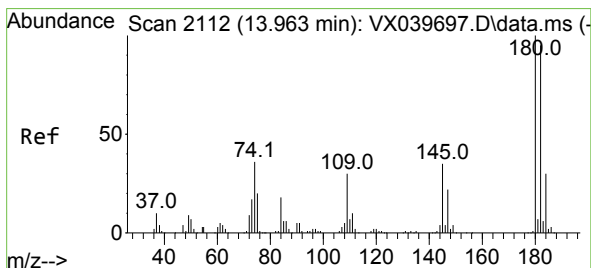
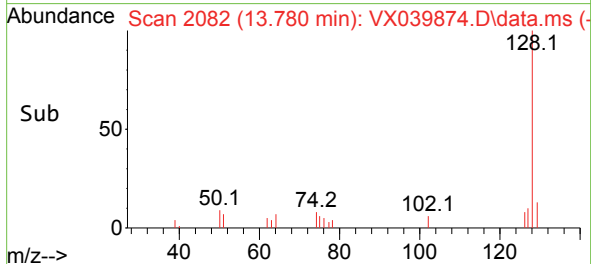
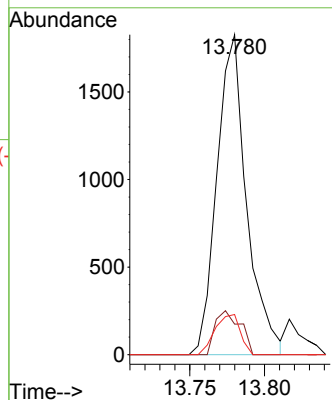
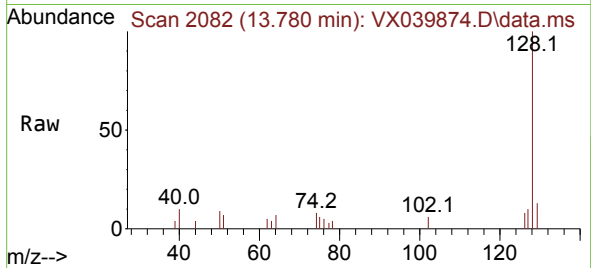




#95
Naphthalene
Concen: 0.445 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Instrument :
MSVOA_X
ClientSampleId :
SUMOGW-4-37-40DL

Tgt Ion:128 Resp: 2518
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.463 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX039874.D
Acq: 22 Jan 2024 11:36

Tgt Ion:180 Resp: 718
Ion Ratio Lower Upper
180 100
182 92.6 46.9 140.6
145 40.4 17.8 53.5

