

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033240.D
 Acq On : 05 Dec 2022 20:50
 Operator : JC/MD
 Sample : N5875-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-40

Quant Time: Dec 06 06:02:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

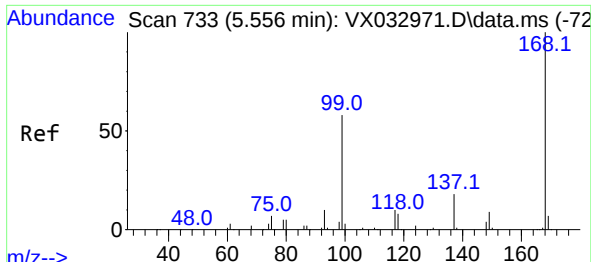
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	117534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60833	53.166	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.340%			
35) Dibromofluoromethane	5.391	113	52126	49.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.720%			
50) Toluene-d8	8.647	98	160432	50.512	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.020%			
62) 4-Bromofluorobenzene	11.079	95	60675	43.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.480%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	279	0.288	ug/l #	43
11) Tert butyl alcohol	2.947	59	667	3.676	ug/l #	72
15) Acrylonitrile	3.117	53	217	0.423	ug/l #	20
16) Acetone	2.392	43	593	1.109	ug/l	89
19) Methyl tert-butyl Ether	3.117	73	21560	6.061	ug/l	98
20) Methylene Chloride	2.794	84	95	Below Cal	#	81
29) Tetrahydrofuran	5.026	42	700	1.497	ug/l #	79
31) Cyclohexane	5.556	56	2389	1.288	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8736	5.174	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12030	6.422	ug/l #	15
40) Benzene	6.044	78	2395	0.506	ug/l #	89
41) Methacrylonitrile	5.050	41	474	0.572	ug/l #	39
52) Toluene	8.720	92	1286	0.413	ug/l	95
67) Ethyl Benzene	10.195	91	3626	0.627	ug/l	92
68) m/p-Xylenes	10.299	106	2447	1.081	ug/l	89
69) o-Xylene	10.646	106	643	0.294	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	32091	22.657	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32091	73.645	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	2170	0.485	ug/l	94
85) sec-Butylbenzene	11.756	105	2170	0.406	ug/l #	57
95) Naphthalene	13.780	128	2564	0.536	ug/l	97

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

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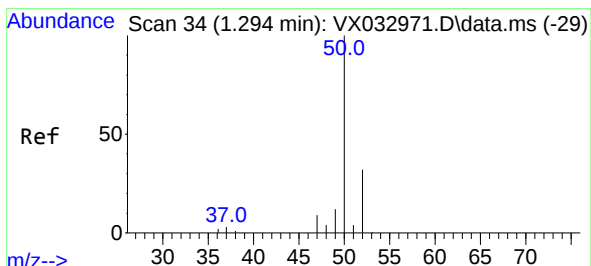
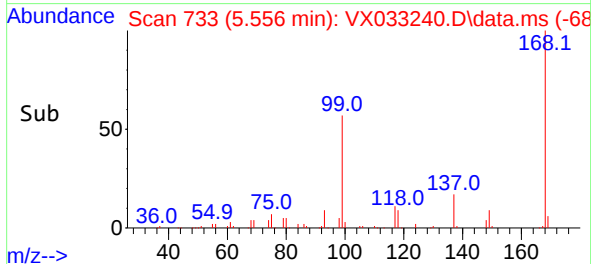
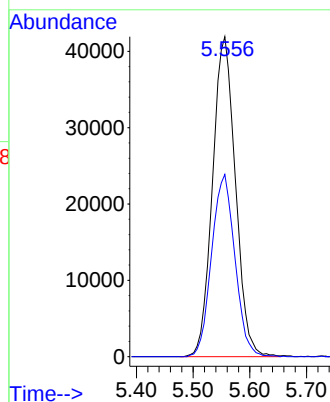
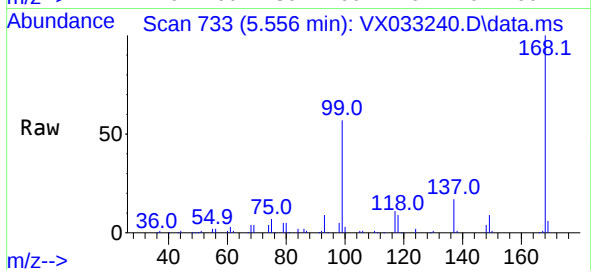




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

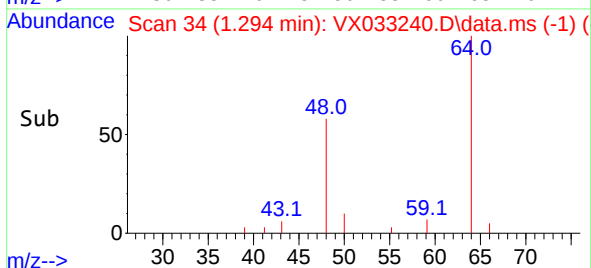
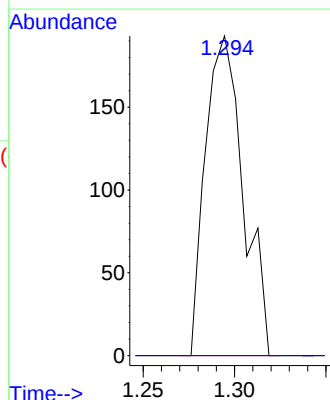
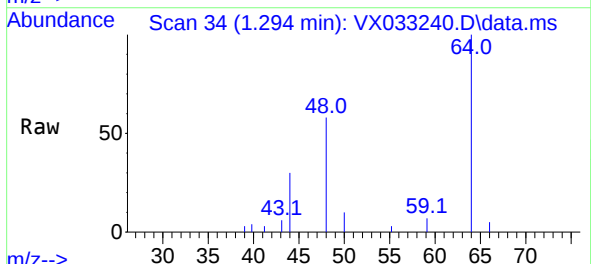
Instrument :
MSVOA_X
ClientSampleId :
MW-40

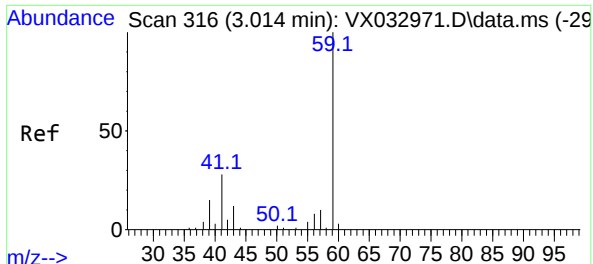
Tgt Ion:168 Resp: 117534
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1



#3
Chloromethane
Concen: 0.288 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 50 Resp: 279
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

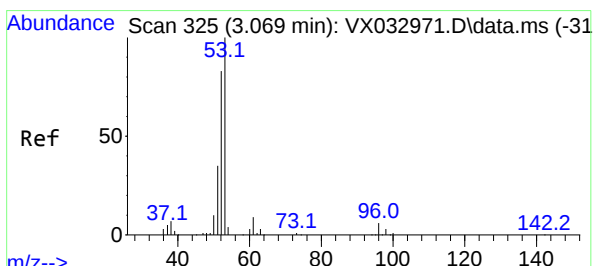
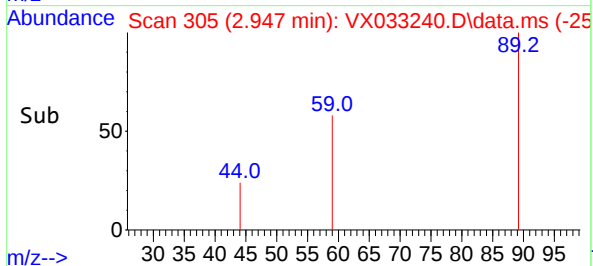
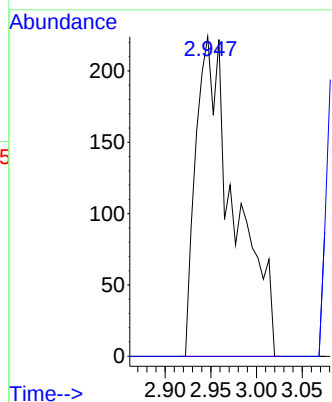
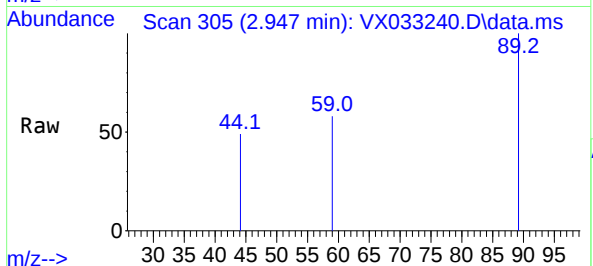




#11
Tert butyl alcohol
Concen: 3.676 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

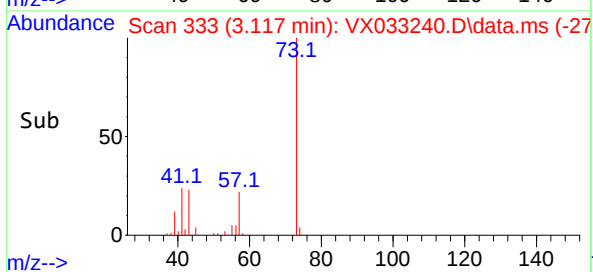
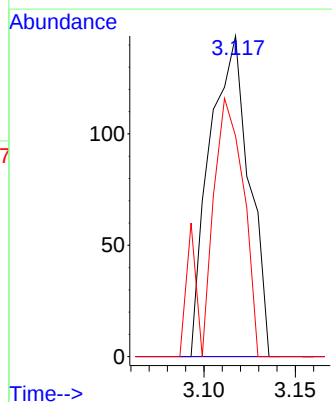
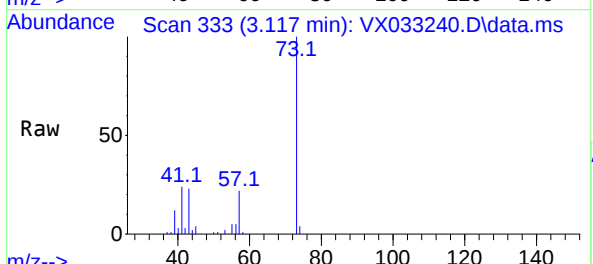
Instrument :
MSVOA_X
ClientSampleId :
MW-40

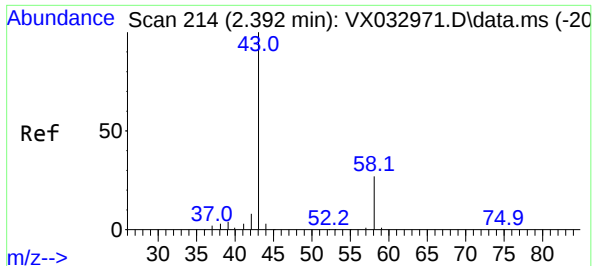
Tgt Ion: 59 Resp: 667
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#15
Acrylonitrile
Concen: 0.423 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.055 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 53 Resp: 217
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 69.6 30.3 45.5#

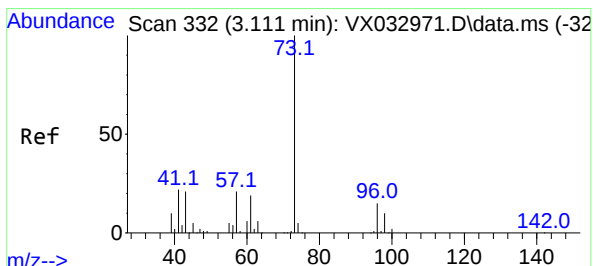
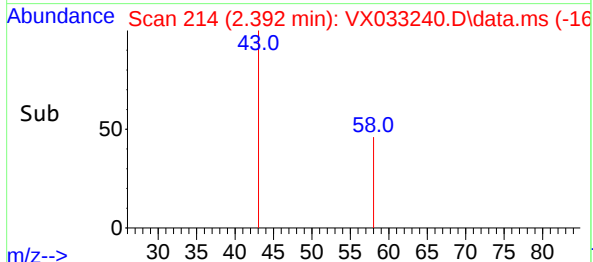
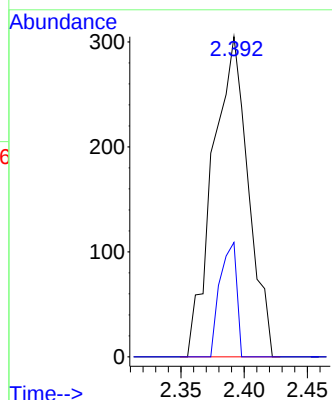
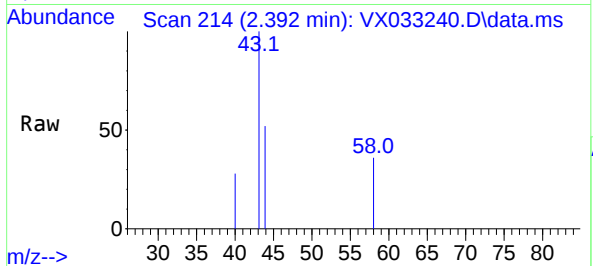




#16
Acetone
Concen: 1.109 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

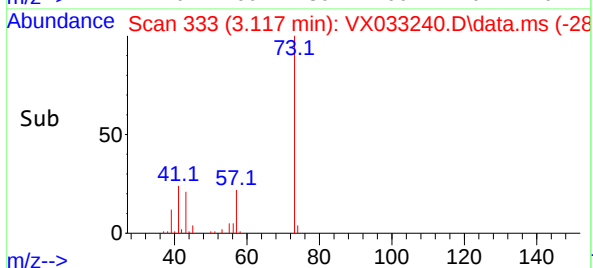
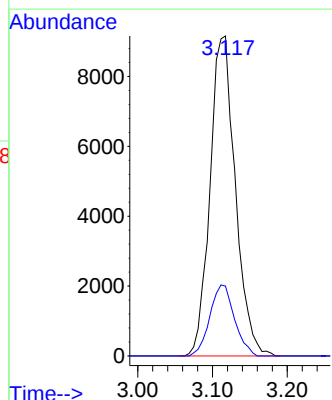
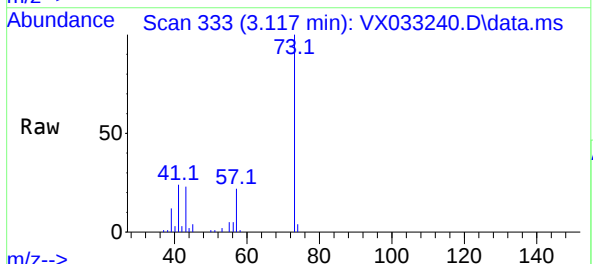
Instrument :
MSVOA_X
ClientSampleId :
MW-40

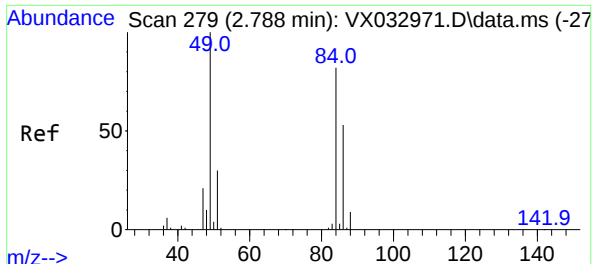
Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
58 35.7 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 6.061 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

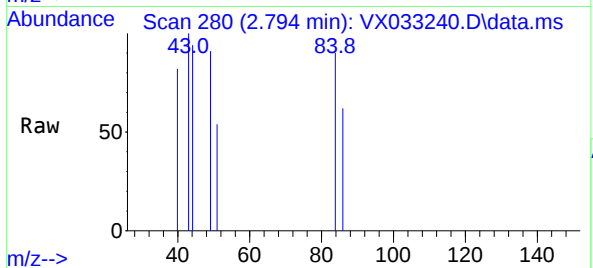
Tgt Ion: 73 Resp: 21560
Ion Ratio Lower Upper
73 100
57 21.8 16.6 25.0





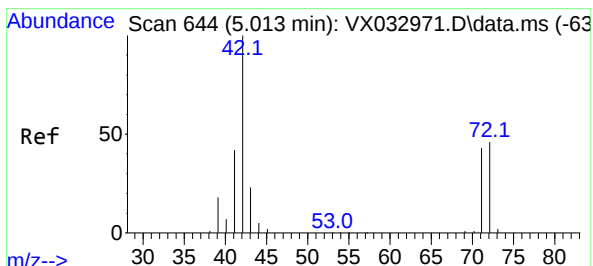
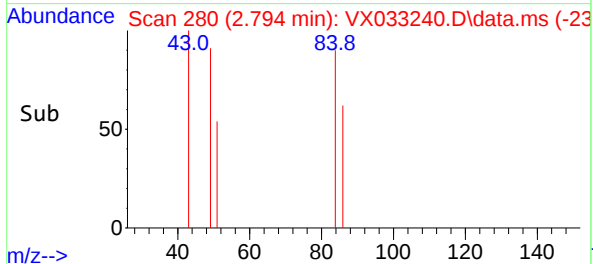
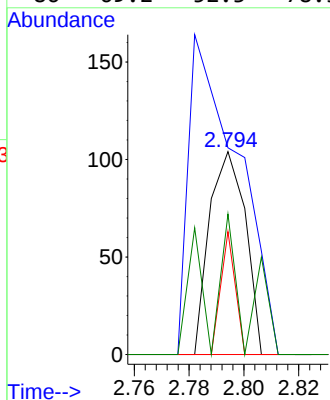
#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Instrument :
MSVOA_X
ClientSampleId :
MW-40



Tgt Ion: 84 Resp: 95

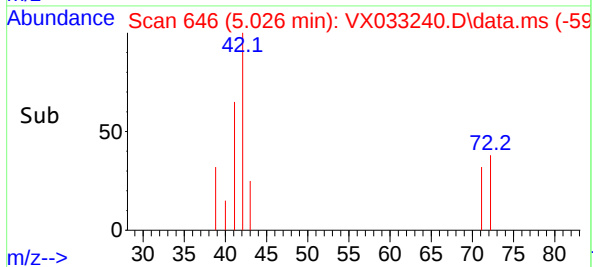
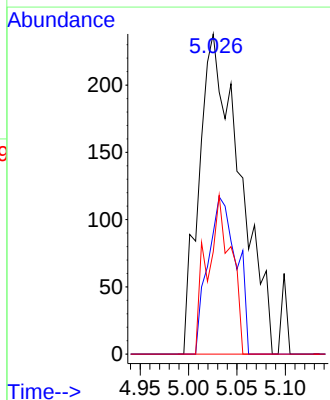
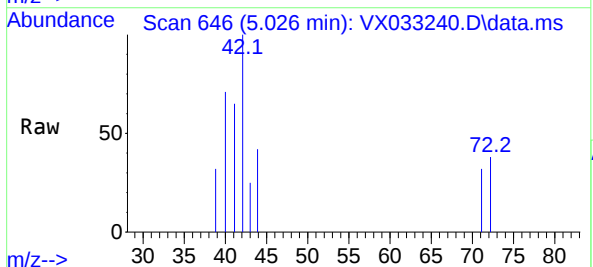
Ion	Ratio	Lower	Upper
84	100		
49	101.9	101.0	151.6
51	60.6	31.1	46.7#
86	69.2	52.3	78.5

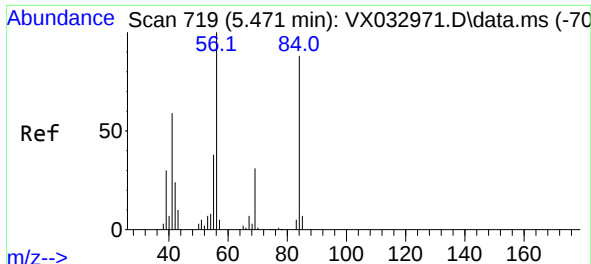


#29
Tetrahydrofuran
Concen: 1.497 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.025 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 42 Resp: 700

Ion	Ratio	Lower	Upper
42	100		
72	34.3	37.6	56.4#
71	28.9	34.7	52.1#

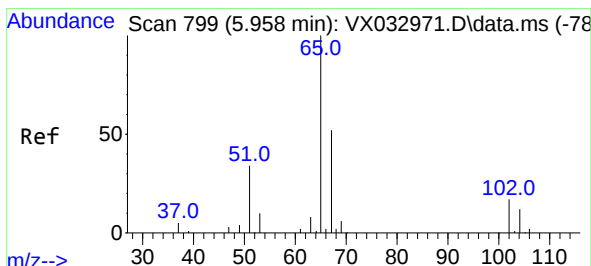
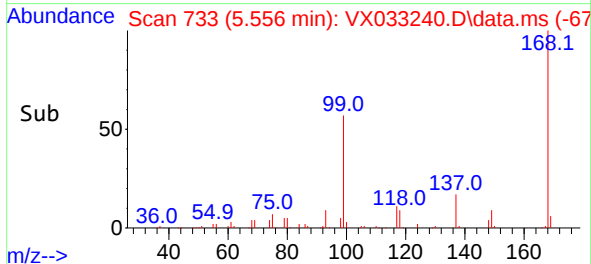
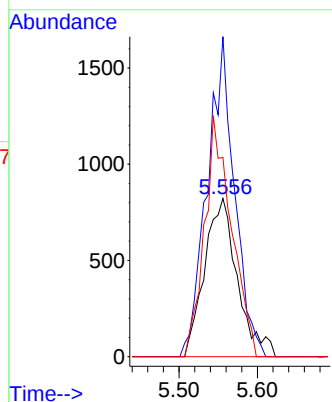
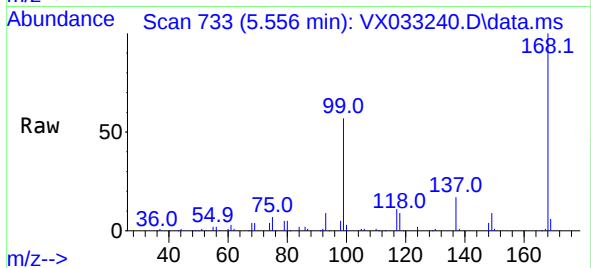




#31
Cyclohexane
Concen: 1.288 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

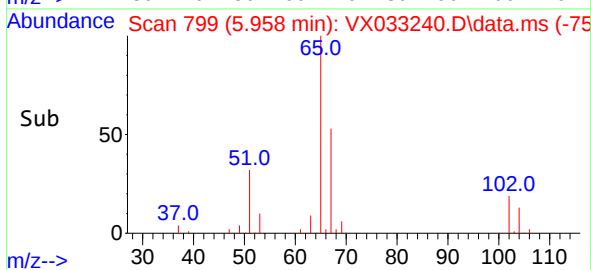
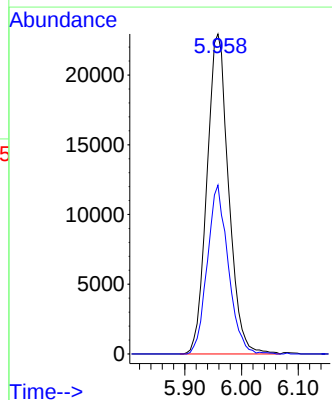
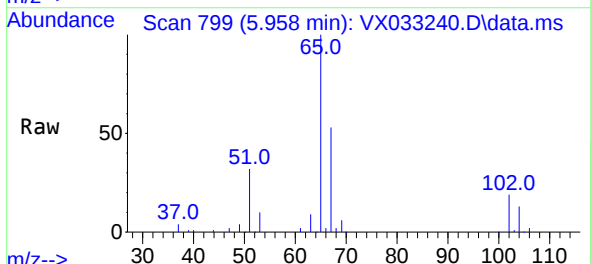
Instrument :
MSVOA_X
ClientSampleId :
MW-40

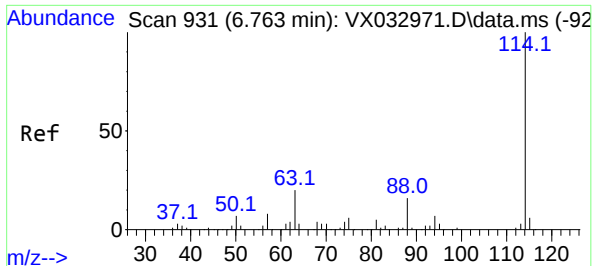
Tgt Ion: 56 Resp: 2389
Ion Ratio Lower Upper
56 100
69 202.3 24.1 36.1#
84 125.9 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.166 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 65 Resp: 60833
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033240.D

Acq: 05 Dec 2022 20:50

Instrument :

MSVOA_X

ClientSampleId :

MW-40

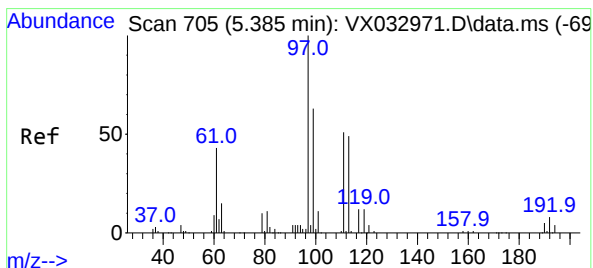
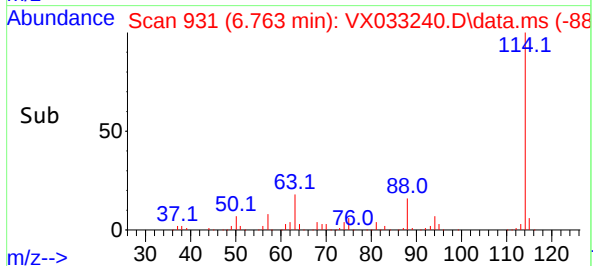
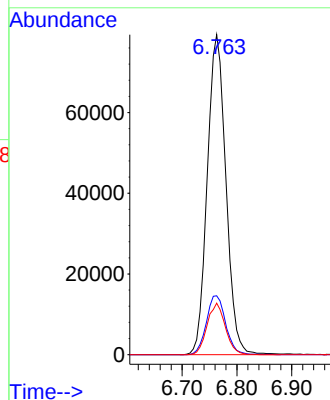
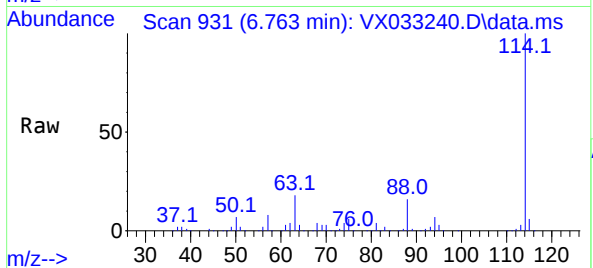
Tgt Ion:114 Resp: 187323

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.359 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX033240.D

Acq: 05 Dec 2022 20:50

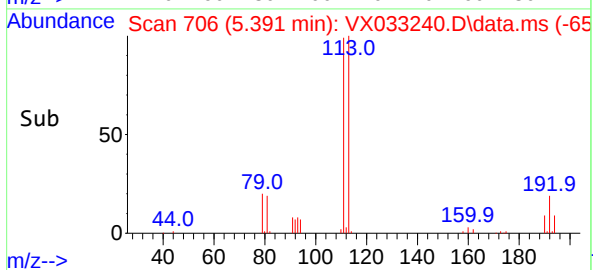
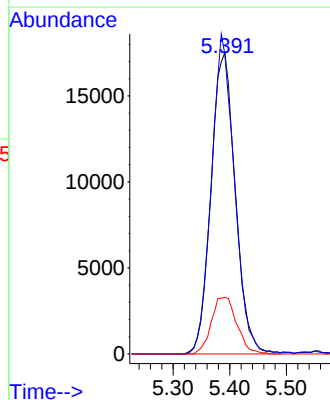
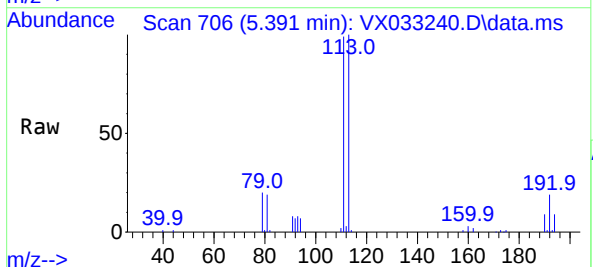
Tgt Ion:113 Resp: 52126

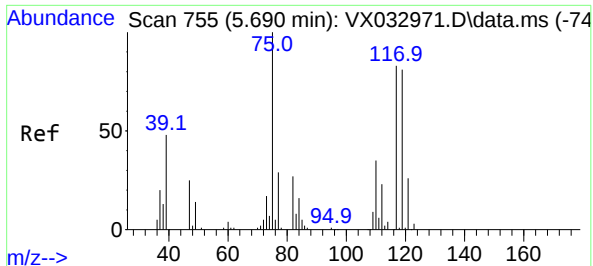
Ion Ratio Lower Upper

113 100

111 100.5 82.4 123.6

192 19.7 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.174 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033240.D

Acq: 05 Dec 2022 20:50

Instrument :

MSVOA_X

ClientSampleId :

MW-40

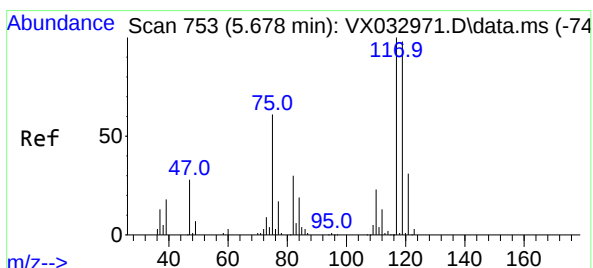
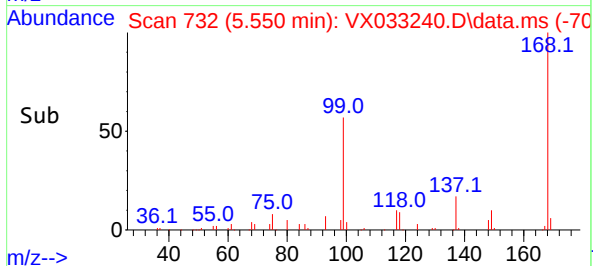
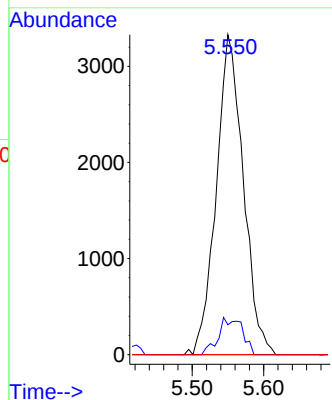
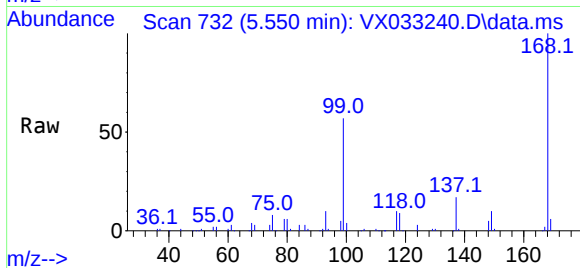
Tgt Ion: 75 Resp: 8736

Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.422 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX033240.D

Acq: 05 Dec 2022 20:50

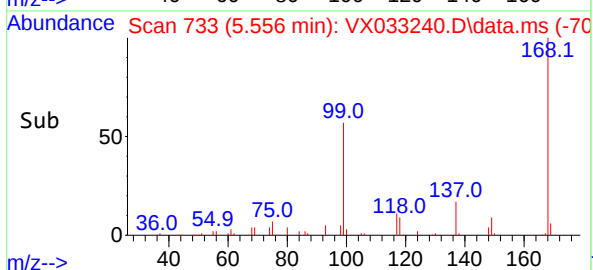
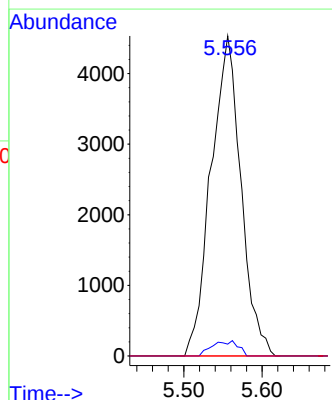
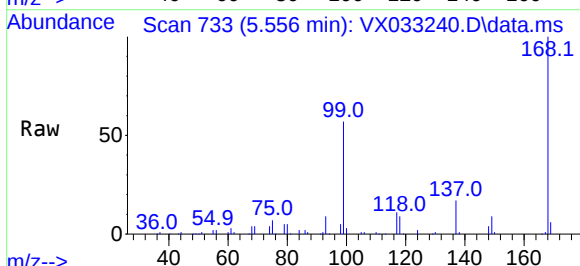
Tgt Ion:117 Resp: 12030

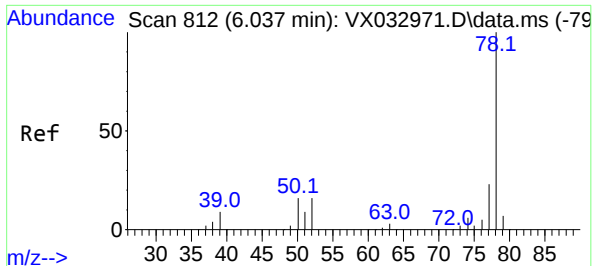
Ion Ratio Lower Upper

117 100

119 3.7 77.2 115.8#

121 0.0 25.8 38.6#

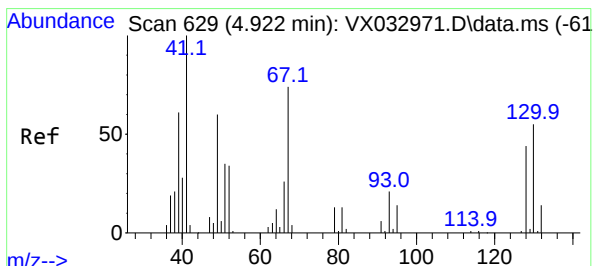
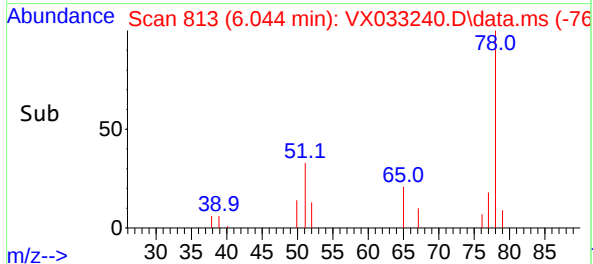
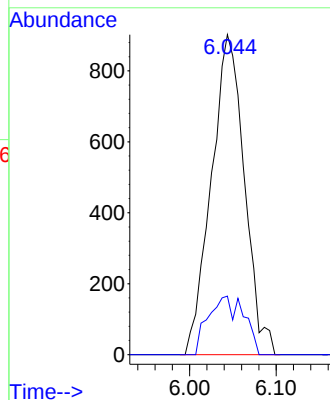
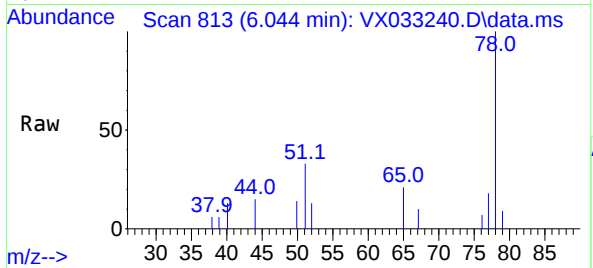




#40
Benzene
Concen: 0.506 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

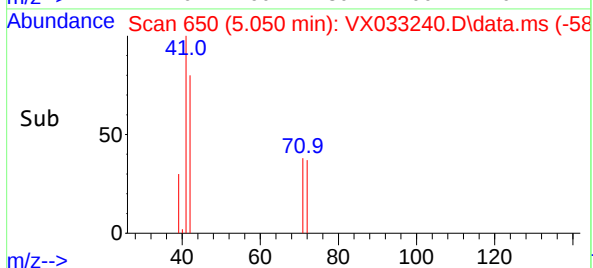
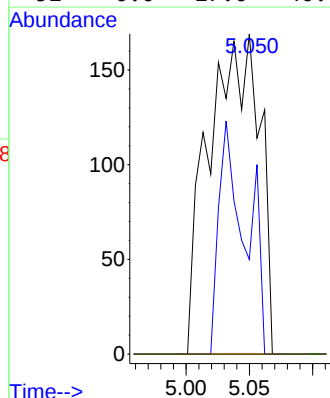
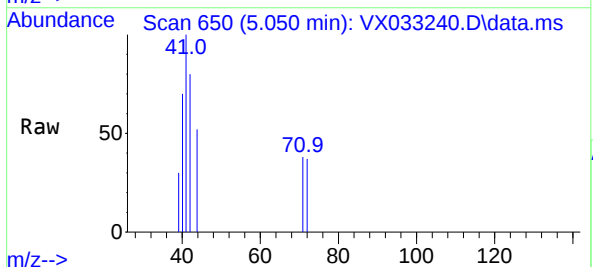
Instrument :
MSVOA_X
ClientSampleId :
MW-40

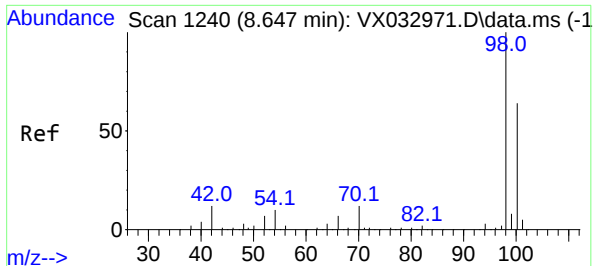
Tgt Ion: 78 Resp: 2395
Ion Ratio Lower Upper
78 100
77 18.3 19.0 28.4#



#41
Methacrylonitrile
Concen: 0.572 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 41 Resp: 474
Ion Ratio Lower Upper
41 100
39 38.0 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

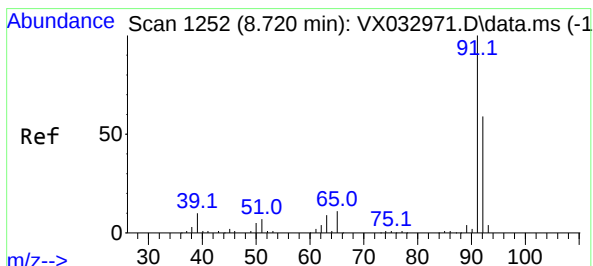
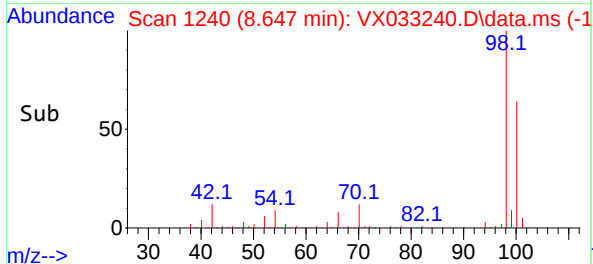
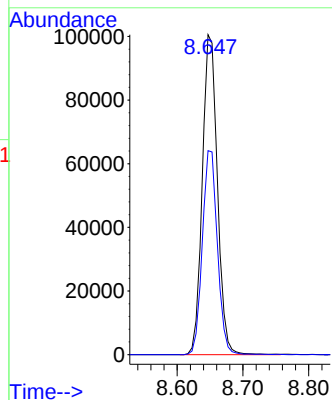
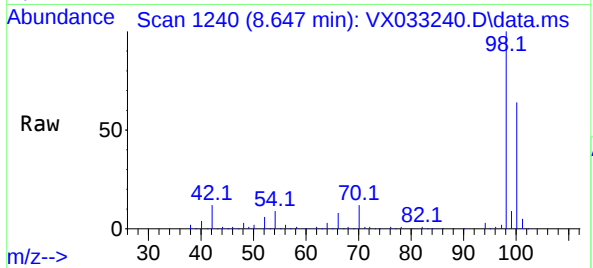




#50
Toluene-d8
Concen: 50.512 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

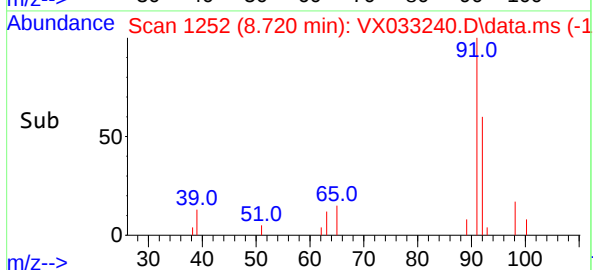
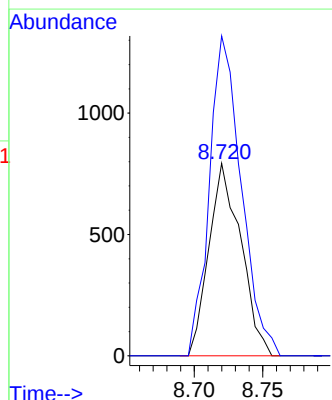
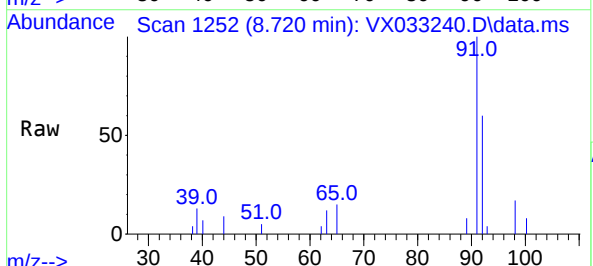
Instrument :
MSVOA_X
ClientSampleId :
MW-40

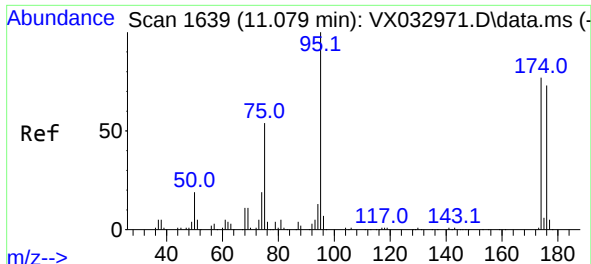
Tgt Ion: 98 Resp: 160432
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#52
Toluene
Concen: 0.413 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 92 Resp: 1286
Ion Ratio Lower Upper
92 100
91 166.1 138.3 207.5

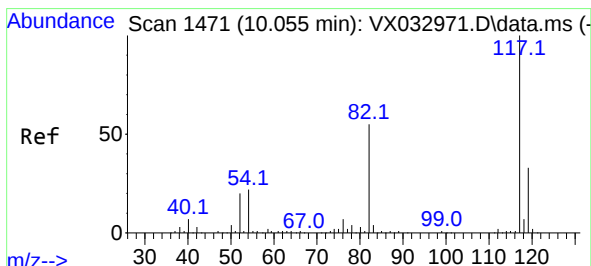
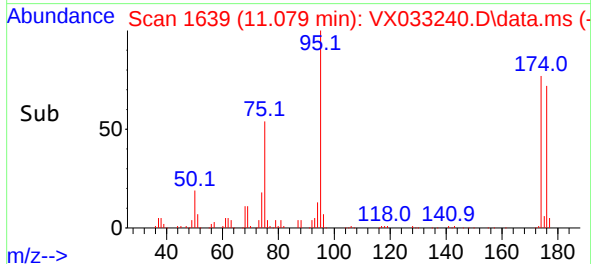
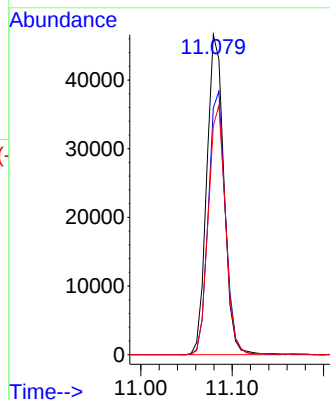
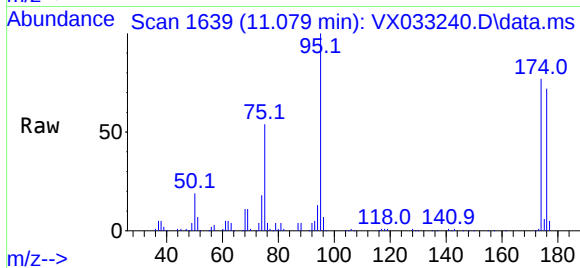




#62
4-Bromofluorobenzene
Concen: 43.738 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

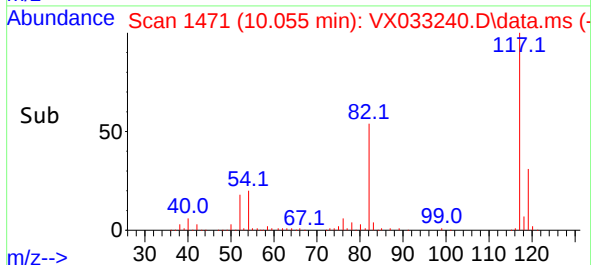
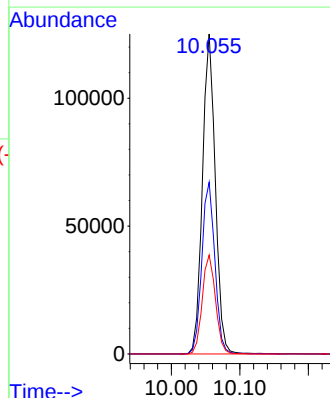
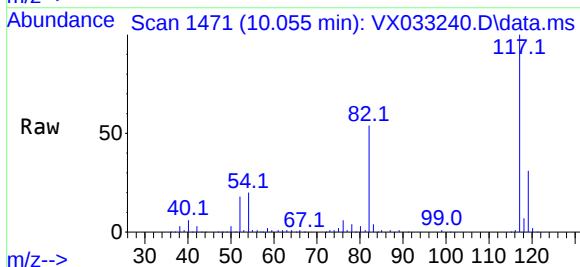
Instrument :
MSVOA_X
ClientSampleId :
MW-40

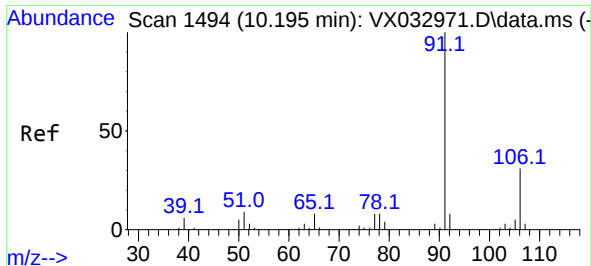
Tgt Ion: 95 Resp: 60675
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.0
176 78.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 117 Resp: 163465
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 30.9 25.7 38.5





#67

Ethyl Benzene

Concen: 0.627 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033240.D

Acq: 05 Dec 2022 20:50

Instrument :

MSVOA_X

ClientSampleId :

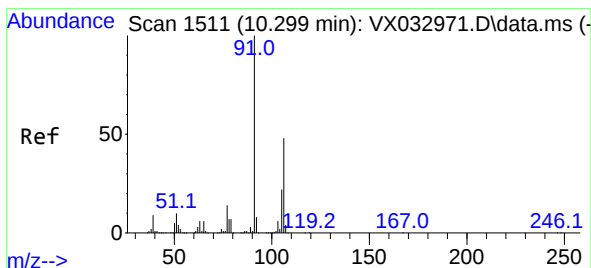
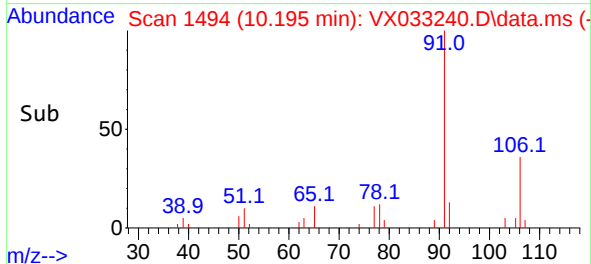
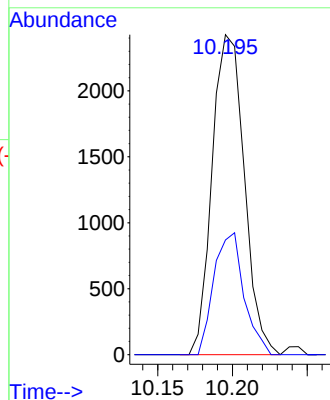
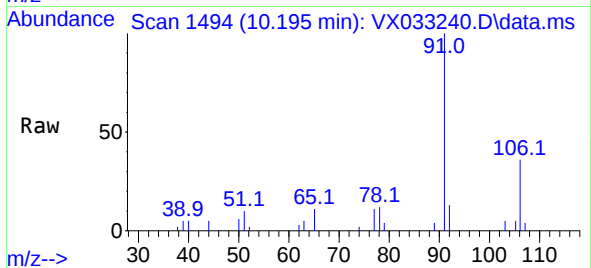
MW-40

Tgt Ion: 91 Resp: 3626

Ion Ratio Lower Upper

91 100

106 35.9 25.0 37.6



#68

m/p-Xylenes

Concen: 1.081 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX033240.D

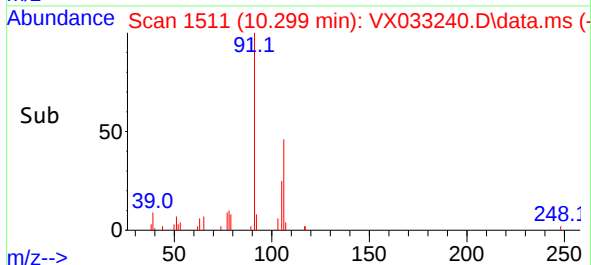
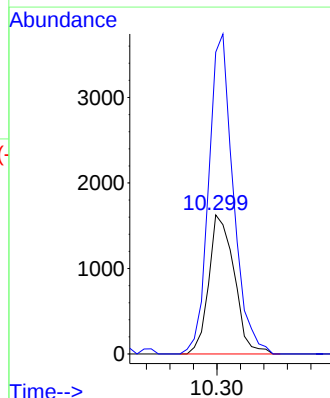
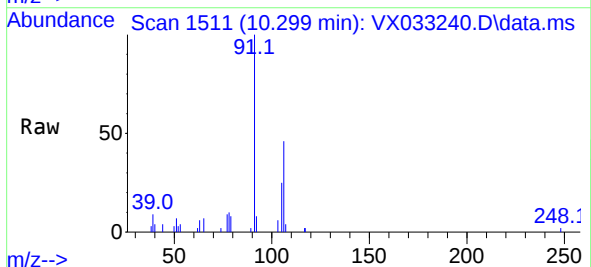
Acq: 05 Dec 2022 20:50

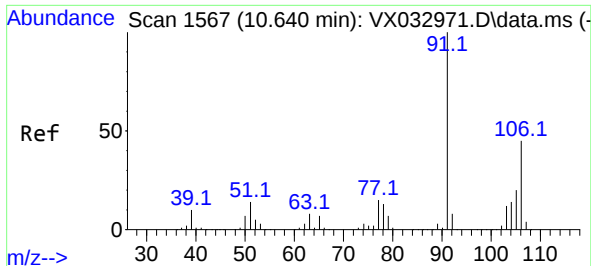
Tgt Ion: 106 Resp: 2447

Ion Ratio Lower Upper

106 100

91 221.8 164.5 246.7

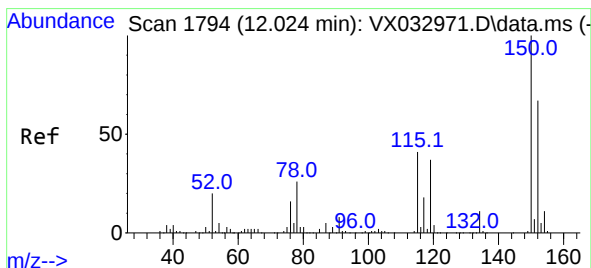
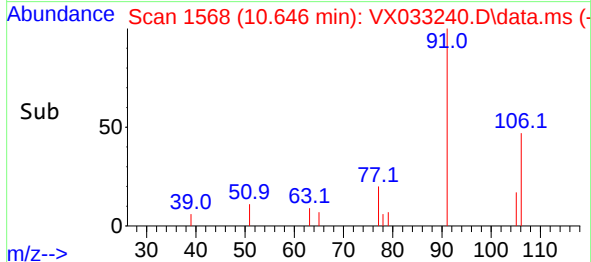
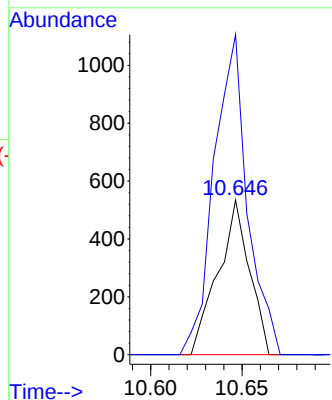
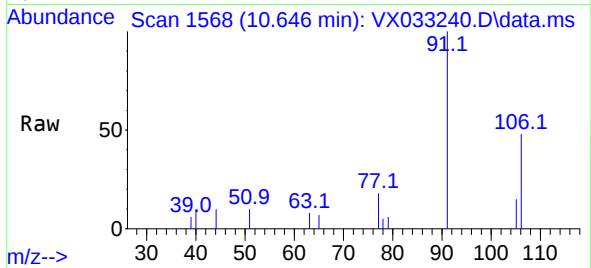




#69
o-Xylene
Concen: 0.294 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

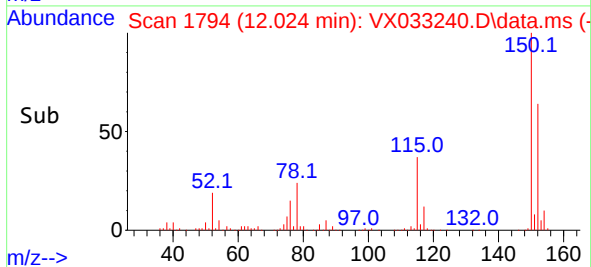
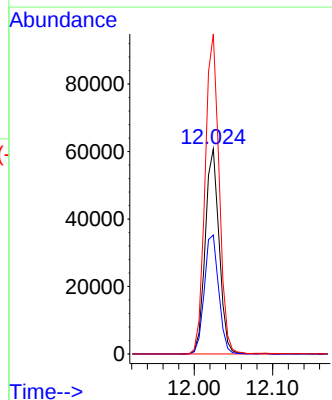
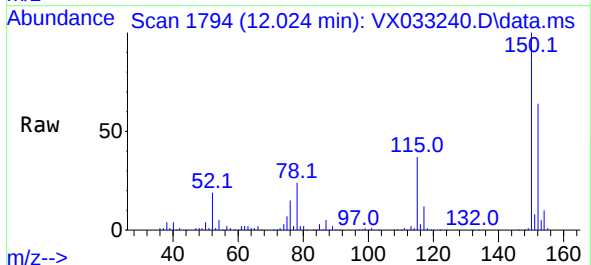
Instrument :
MSVOA_X
ClientSampleId :
MW-40

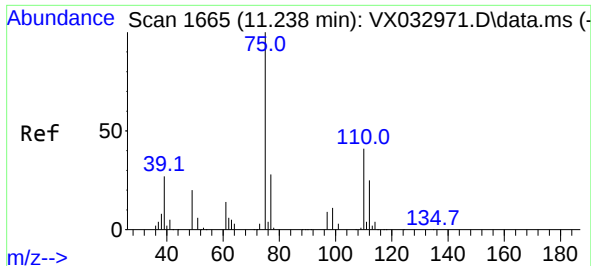
Tgt Ion:106 Resp: 643
Ion Ratio Lower Upper
106 100
91 218.4 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion:152 Resp: 74790
Ion Ratio Lower Upper
152 100
115 59.9 44.0 132.0
150 157.1 0.0 351.8

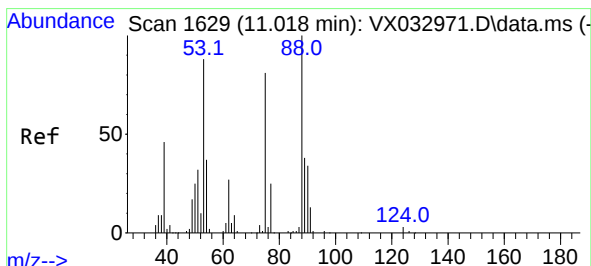
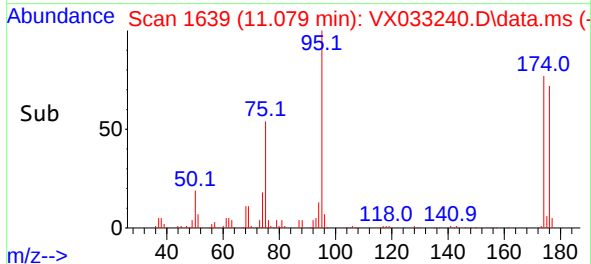
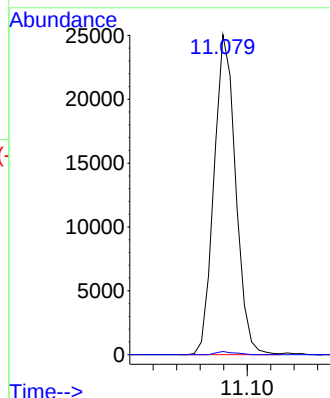
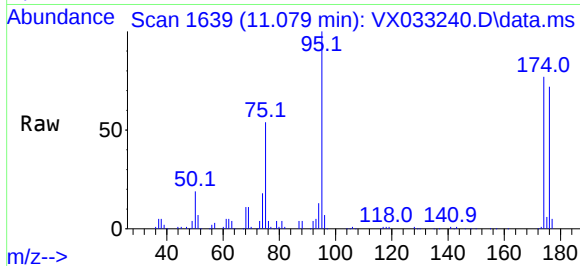




#76
1,2,3-Trichloropropane
Concen: 22.657 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

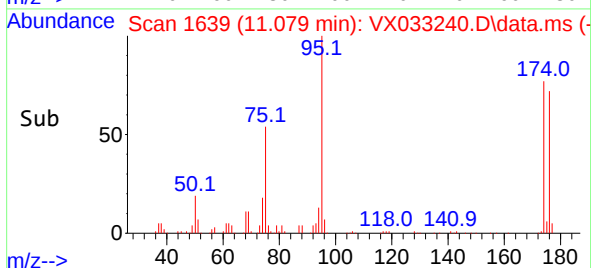
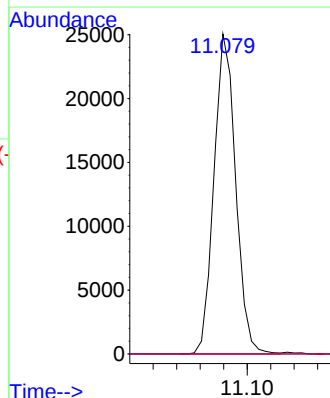
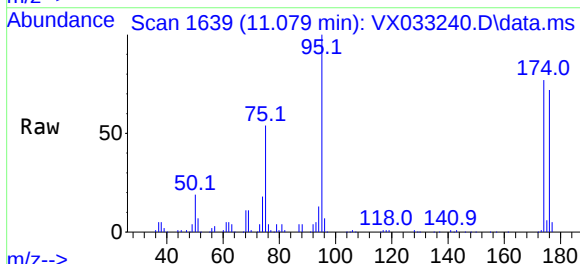
Instrument :
MSVOA_X
ClientSampleId :
MW-40

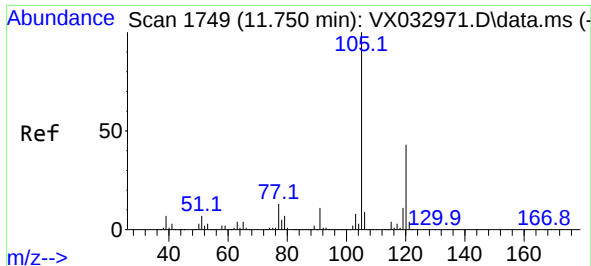
Tgt Ion: 75 Resp: 32091
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Tgt Ion: 75 Resp: 32091
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

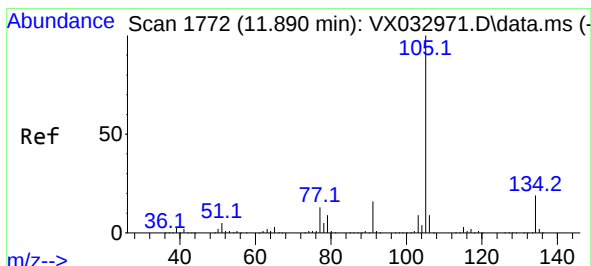
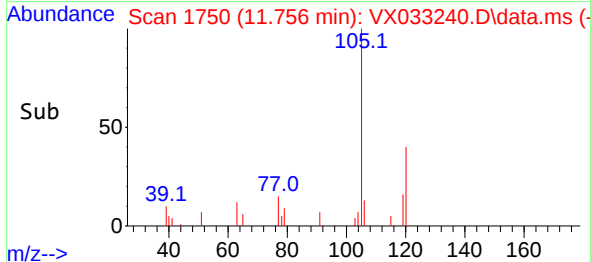
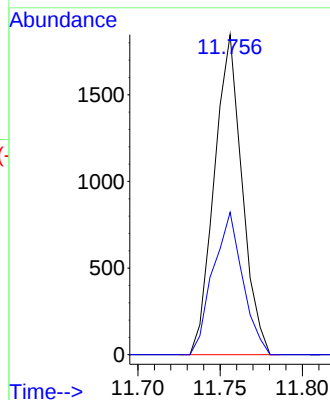
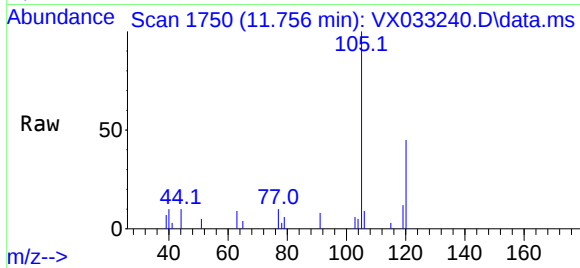




#84
1,2,4-Trimethylbenzene
Concen: 0.485 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

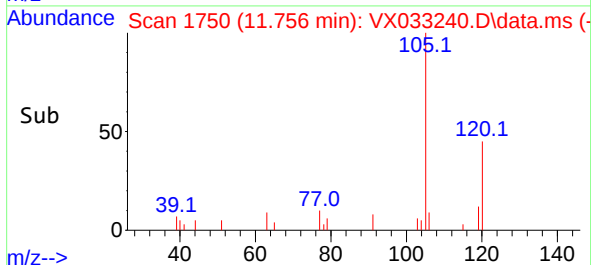
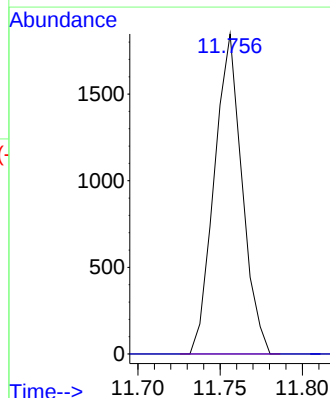
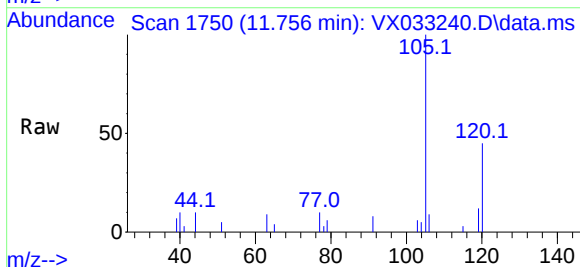
Instrument :
MSVOA_X
ClientSampleId :
MW-40

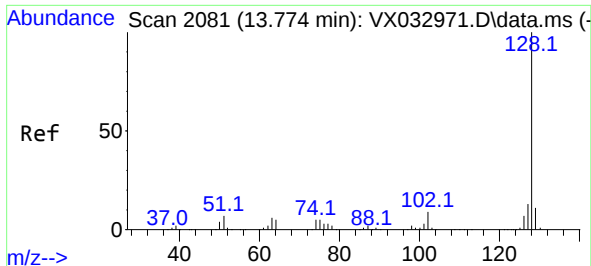
Tgt Ion:105 Resp: 2170
Ion Ratio Lower Upper
105 100
120 47.6 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.406 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

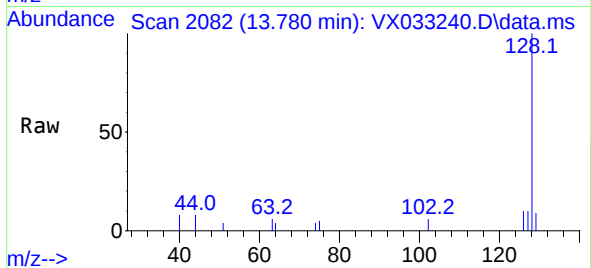
Tgt Ion:105 Resp: 2170
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#





#95
Naphthalene
Concen: 0.536 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033240.D
Acq: 05 Dec 2022 20:50

Instrument :
MSVOA_X
ClientSampleId :
MW-40



Tgt Ion:	128	Resp:	2564
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.2	15.4
129	10.6	8.9	13.3

