

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039593.D
 Acq On : 03 Jan 2024 11:49
 Operator : JC/MD
 Sample : P1001-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:29:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

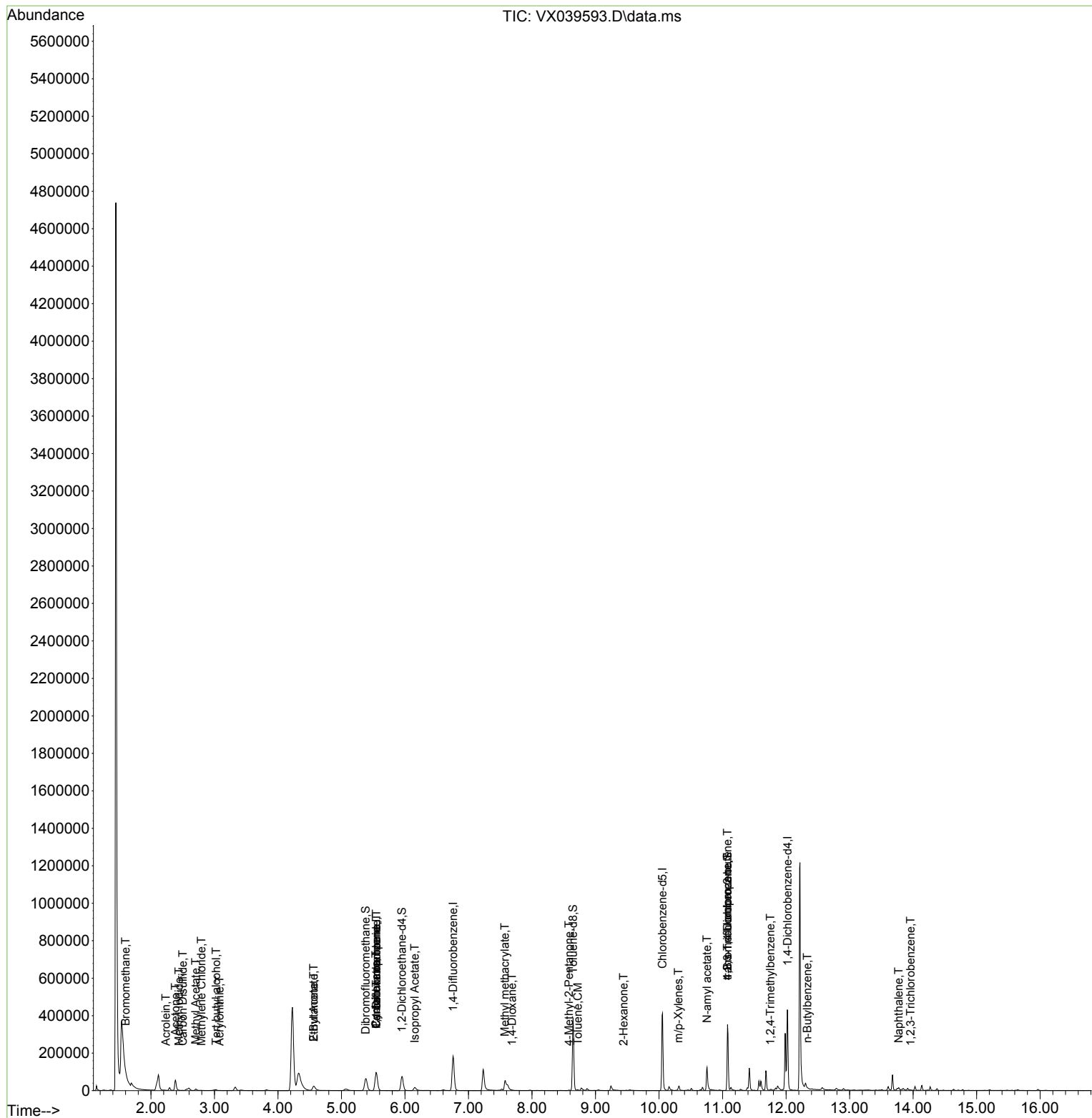
Internal Standards						
1) Pentafluorobenzene	5.550	168	84540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	179532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72547	46.843	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.680%		
35) Dibromofluoromethane	5.379	113	57676	46.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.000%		
50) Toluene-d8	8.647	98	224037	48.655	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.300%		
62) 4-Bromofluorobenzene	11.079	95	94706	49.849	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.700%		
Target Compounds						Qvalue
5) Bromomethane	1.599	94	452	0.641	ug/l #	48
10) Methyl Iodide	2.440	142	239	0.211	ug/l #	34
11) Tert butyl alcohol	3.026	59	9044	23.255	ug/l #	88
13) Acrolein	2.233	56	300	0.967	ug/l #	68
15) Acrylonitrile	3.081	53	220	0.283	ug/l #	46
16) Acetone	2.386	43	59754	47.357	ug/l #	86
17) Carbon Disulfide	2.501	76	757	0.238	ug/l #	76
18) Methyl Acetate	2.703	43	9983	2.980	ug/l	98
20) Methylene Chloride	2.794	84	624	0.483	ug/l #	70
25) 2-Butanone	4.562	43	45452	34.010	ug/l	96
31) Cyclohexane	5.544	56	2309	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8297	4.239	ug/l #	50
37) Ethyl Acetate	4.562	43	45452	18.797	ug/l #	69
38) Carbon Tetrachloride	5.550	117	9396	5.030	ug/l #	14
43) Isopropyl Acetate	6.153	43	16260	4.135	ug/l #	62
48) Methyl methacrylate	7.574	41	25017	10.883	ug/l #	49
49) 1,4-Dioxane	7.683	88	771	24.882	ug/l #	12
51) 4-Methyl-2-Pentanone	8.580	43	2400	0.958	ug/l	91
52) Toluene	8.720	92	1259	0.377	ug/l	97
59) 2-Hexanone	9.439	43	1160	0.536	ug/l	72
68) m/p-Xylenes	10.305	106	981	0.370	ug/l	93
74) N-amyl acetate	10.756	43	27379	8.438	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	52927	24.613	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52927	69.433	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1680	0.300	ug/l	94
89) n-Butylbenzene	12.335	91	1216	0.223	ug/l	82
95) Naphthalene	13.774	128	6521	1.073	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	366	0.217	ug/l	92

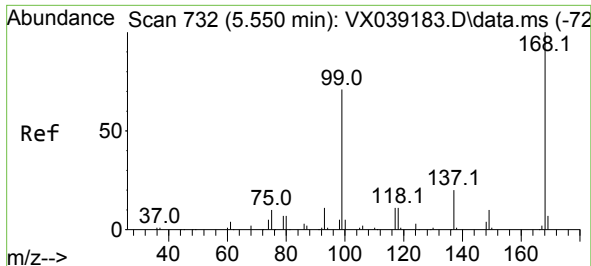
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration

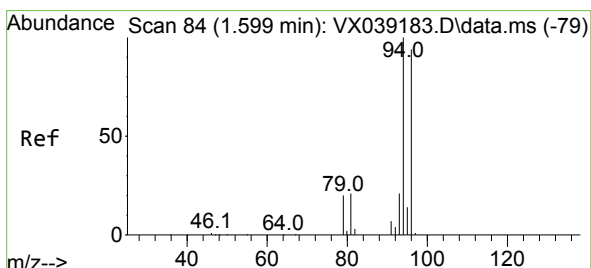
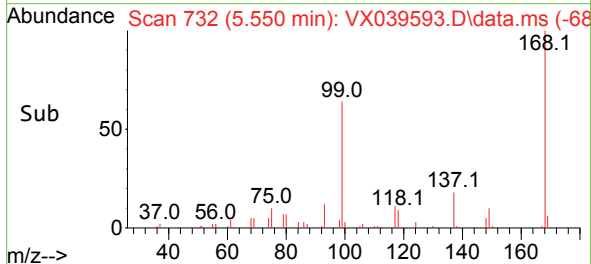
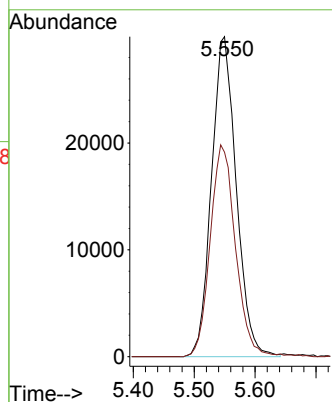
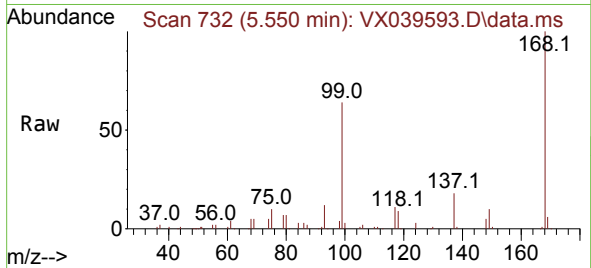




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

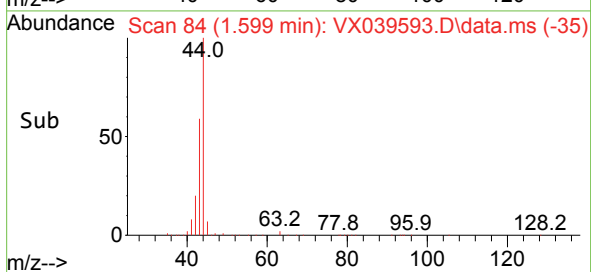
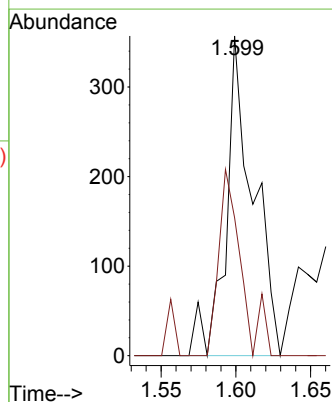
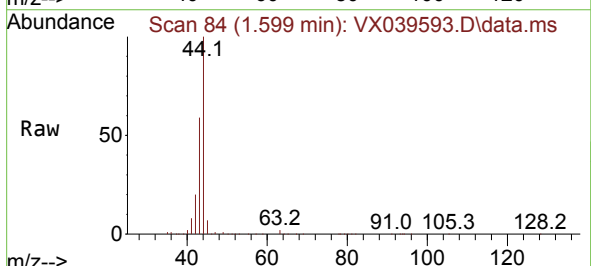
Instrument :
MSVOA_X
ClientSampleId :

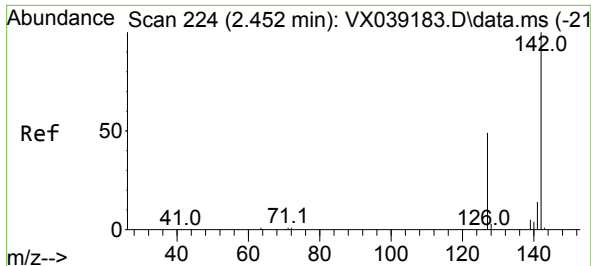
Tgt Ion:168 Resp: 84540
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#5
Bromomethane
Concen: 0.641 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

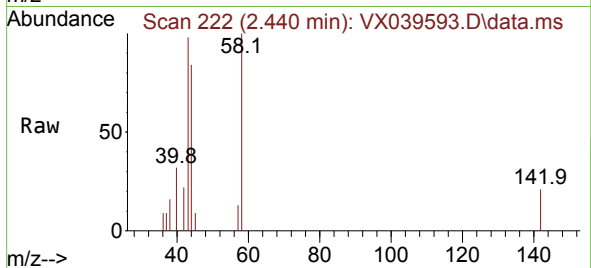
Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 43.1 74.6 111.8#



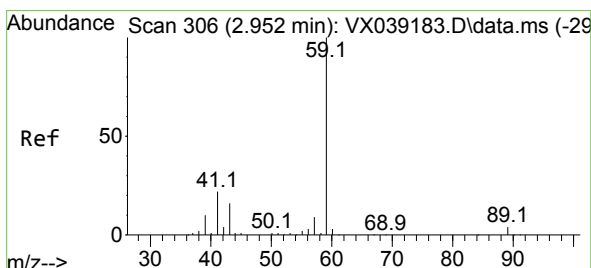
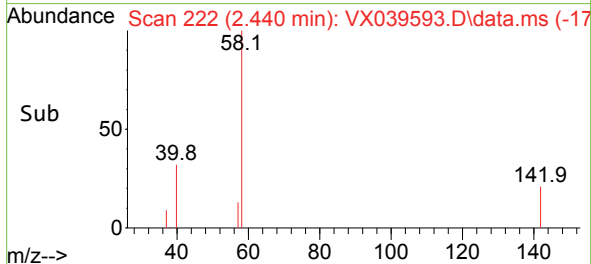
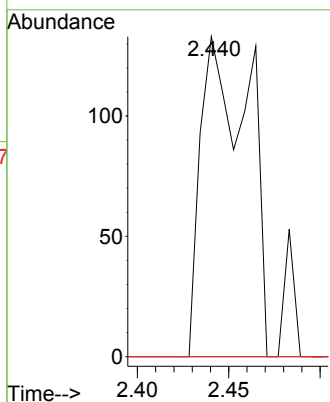


#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 2.440 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Instrument :
MSVOA_X
ClientSampleId :

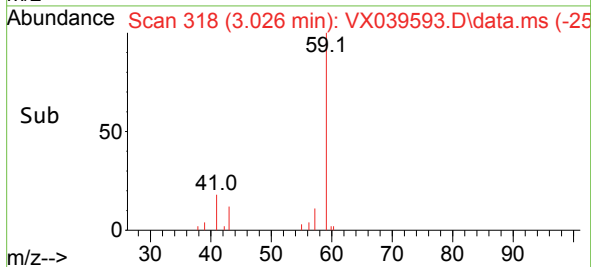
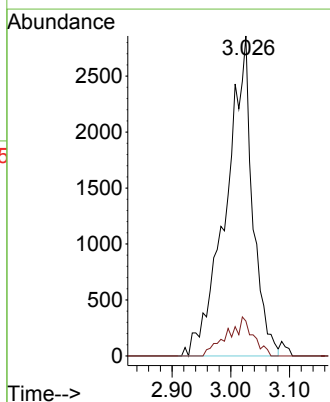
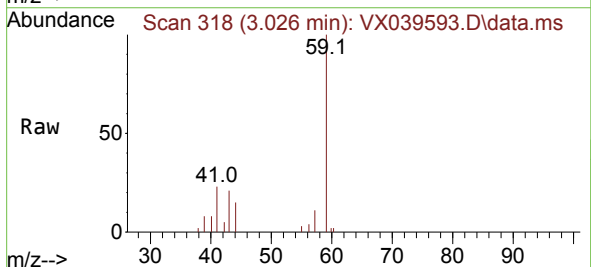


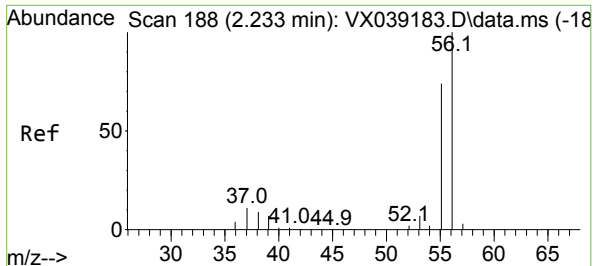
Tgt Ion:142 Resp: 239
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 23.255 ug/l
RT: 3.026 min Scan# 318
Delta R.T. 0.073 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

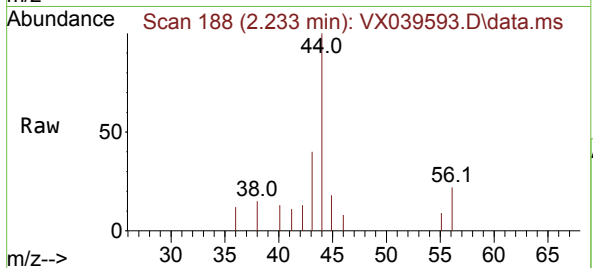
Tgt Ion: 59 Resp: 9044
Ion Ratio Lower Upper
59 100
57 11.7 6.0 9.0#



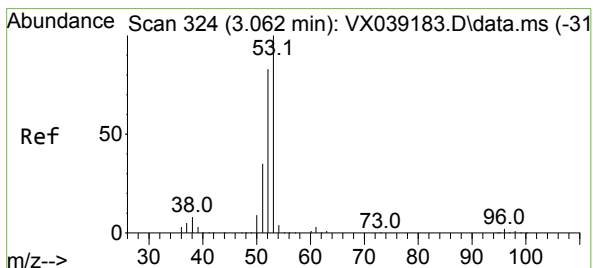
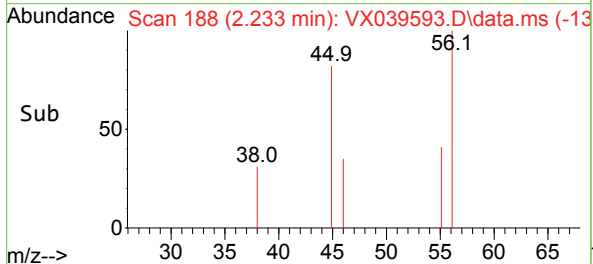
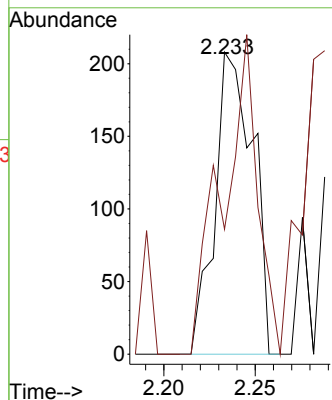


#13
Acrolein
Concen: 0.967 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Instrument :
MSVOA_X
ClientSampleId :

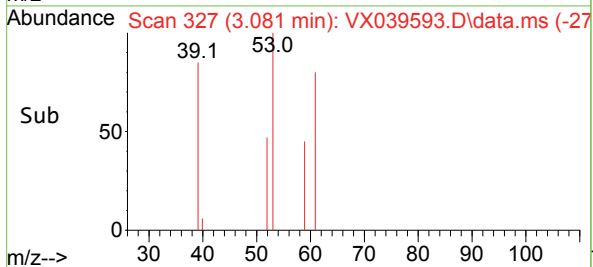
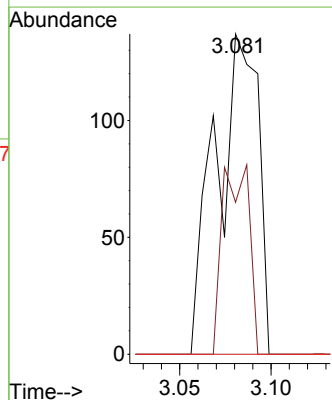
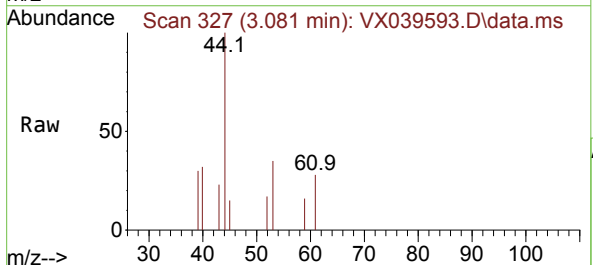


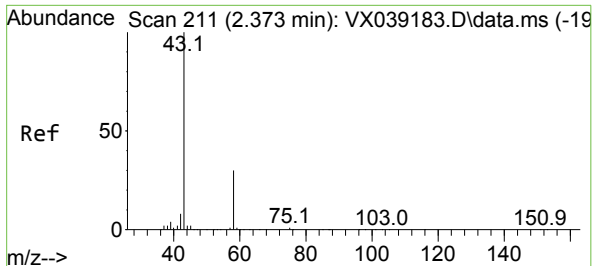
Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 98.0 57.1 85.7#



#15
Acrylonitrile
Concen: 0.283 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 53 Resp: 220
Ion Ratio Lower Upper
53 100
52 37.7 66.0 99.0#
51 0.0 29.8 44.6#

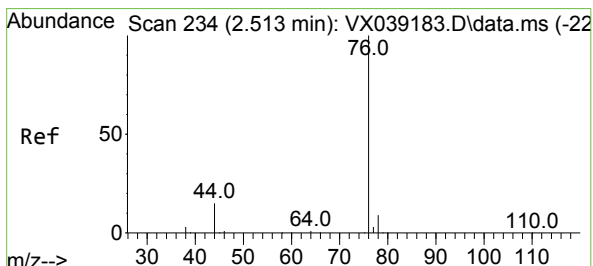
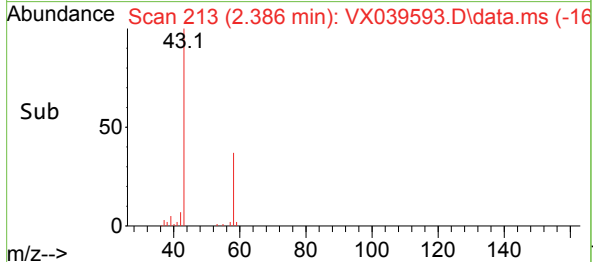
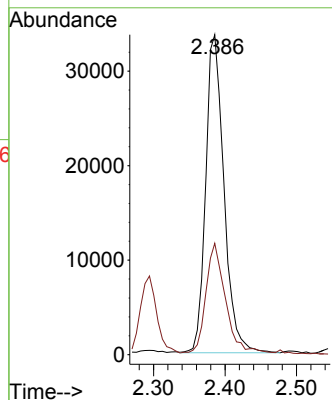
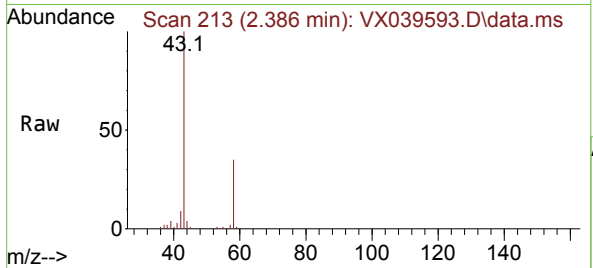




#16
Acetone
Concen: 47.357 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

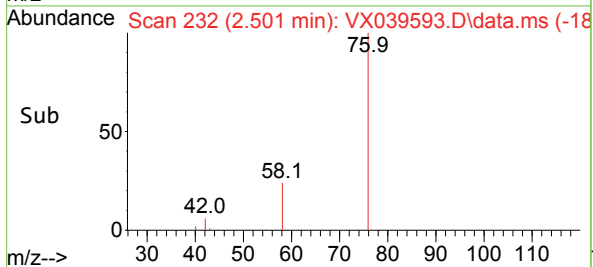
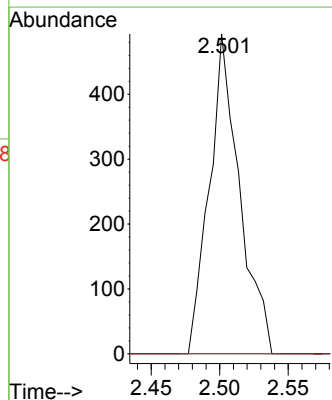
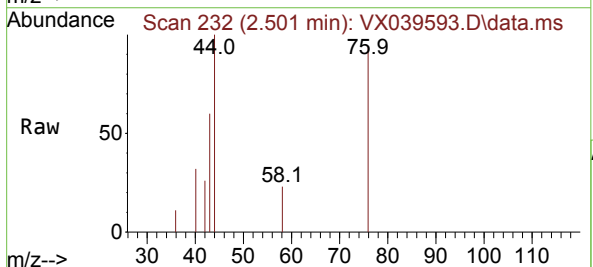
Instrument :
MSVOA_X
ClientSampleId :

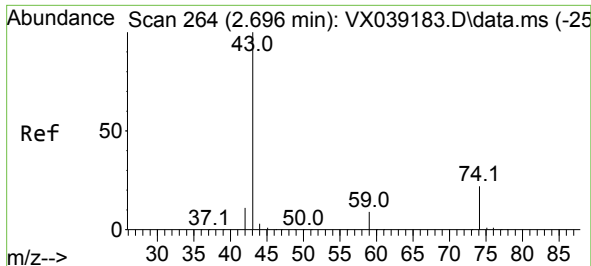
Tgt Ion: 43 Resp: 59754
Ion Ratio Lower Upper
43 100
58 34.5 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.012 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 76 Resp: 757
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

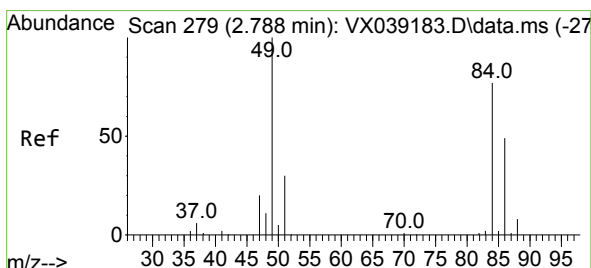
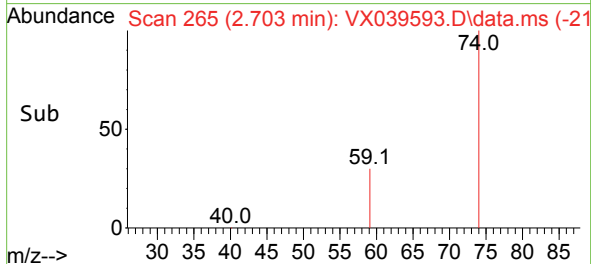
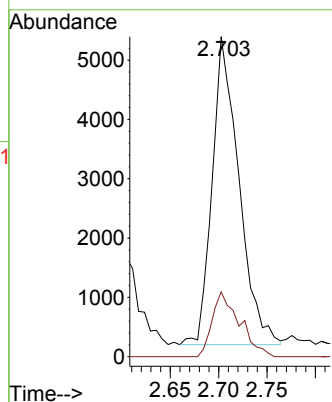
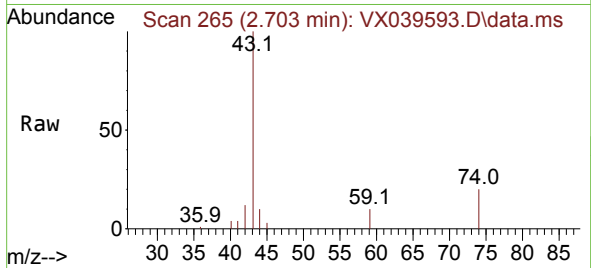




#18
Methyl Acetate
Concen: 2.980 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

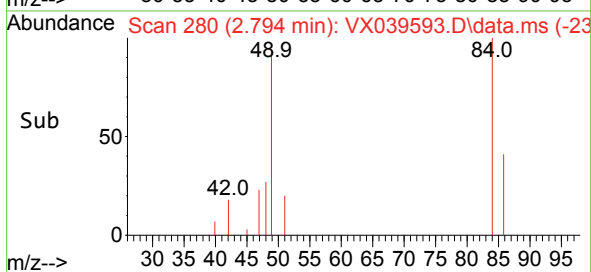
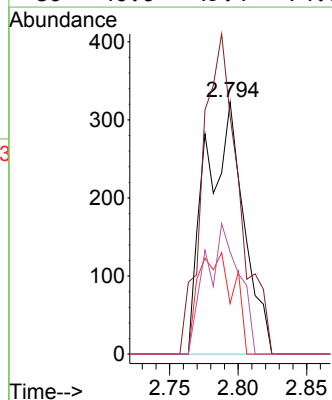
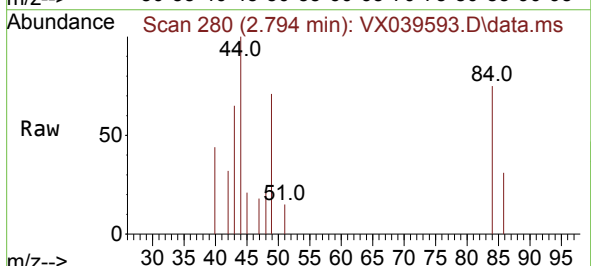
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MSVOA_X
ClientSampleId :

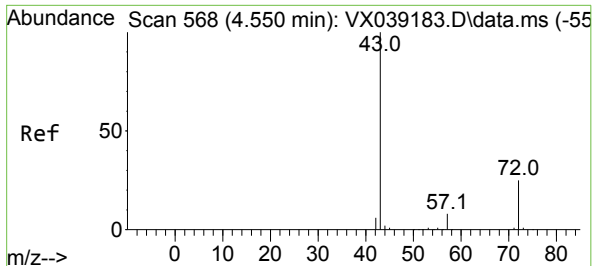
Tgt Ion: 43 Resp: 9983
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.8



#20
Methylene Chloride
Concen: 0.483 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 94.1 103.6 155.4#
51 20.1 33.8 50.6#
86 40.6 49.4 74.0#

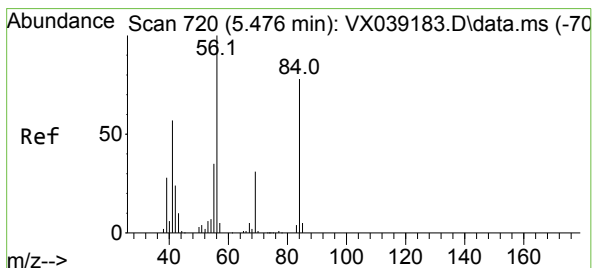
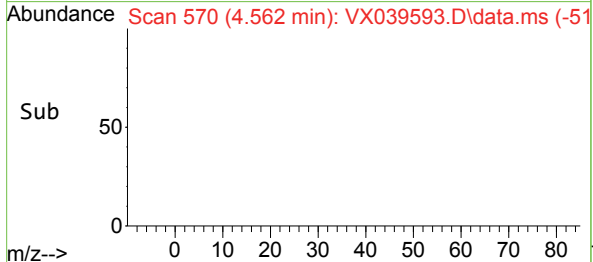
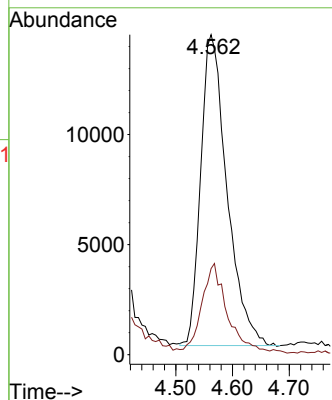
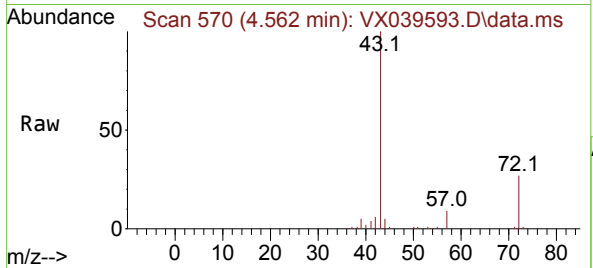




#25
2-Butanone
Concen: 34.010 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

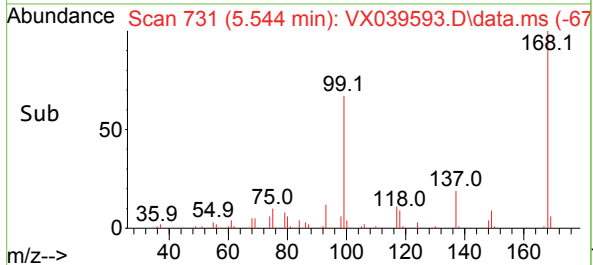
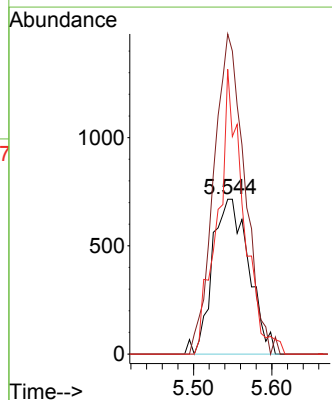
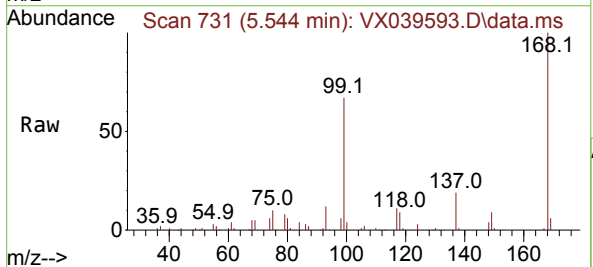
Instrument :
MSVOA_X
ClientSampleId :

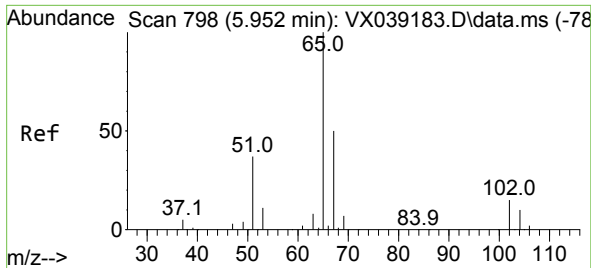
Tgt Ion: 43 Resp: 45452
Ion Ratio Lower Upper
43 100
72 26.4 19.4 29.2



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 56 Resp: 2309
Ion Ratio Lower Upper
56 100
69 206.9 23.4 35.2#
84 184.1 65.9 98.9#

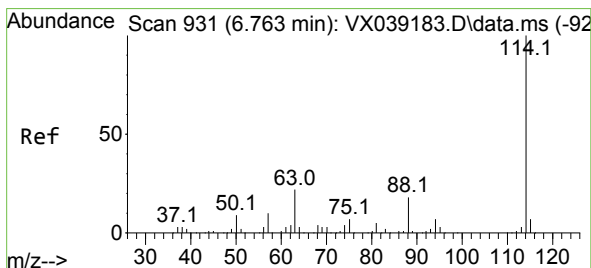
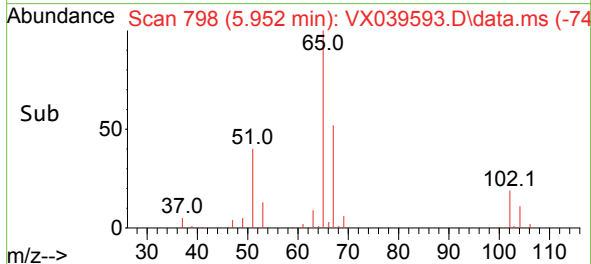
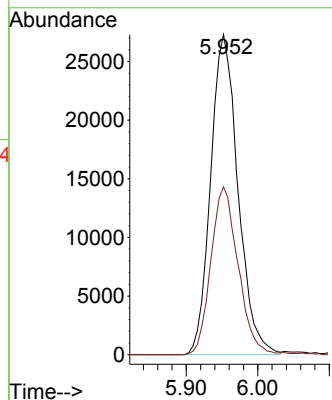
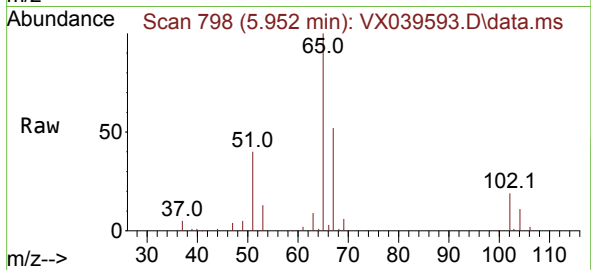




#33
 1,2-Dichloroethane-d4
 Concen: 46.843 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039593.D
 Acq: 03 Jan 2024 11:49

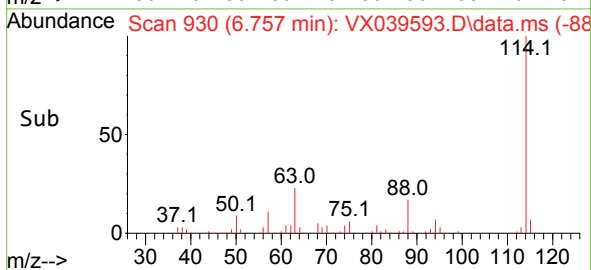
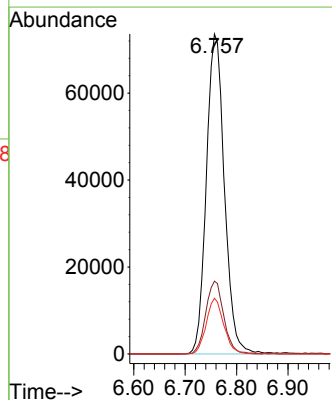
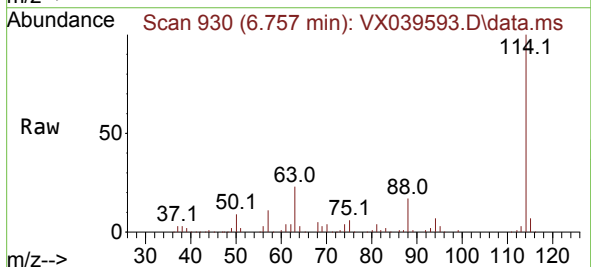
Instrument :
 MSVOA_X
 ClientSampleId :

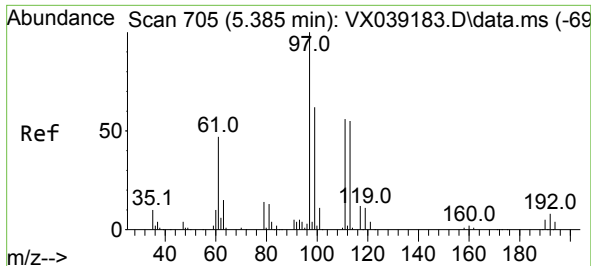
Tgt Ion: 65 Resp: 72547
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039593.D
 Acq: 03 Jan 2024 11:49

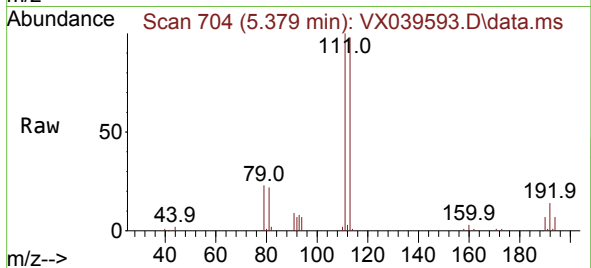
Tgt Ion: 114 Resp: 179532
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.0
 88 17.4 0.0 36.6



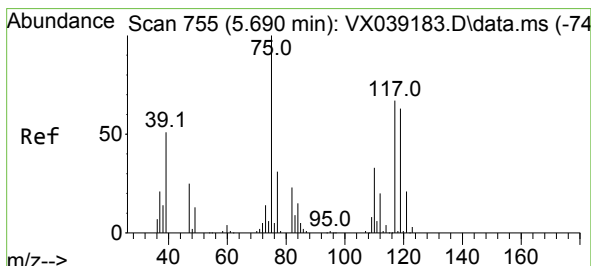
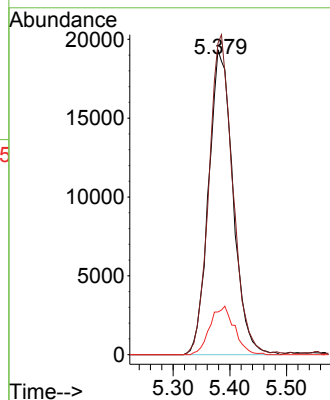
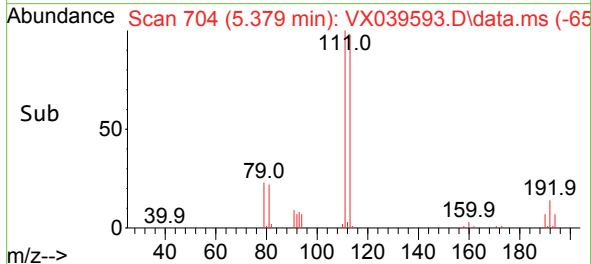


#35
Dibromofluoromethane
Concen: 46.502 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

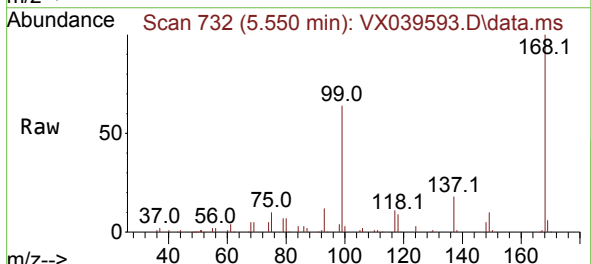
Instrument :
MSVOA_X
ClientSampleId :



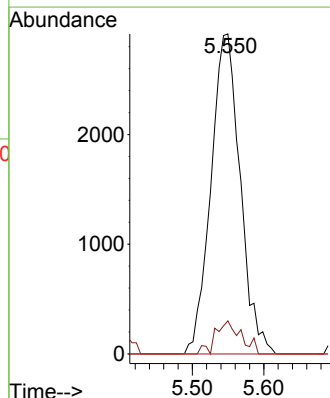
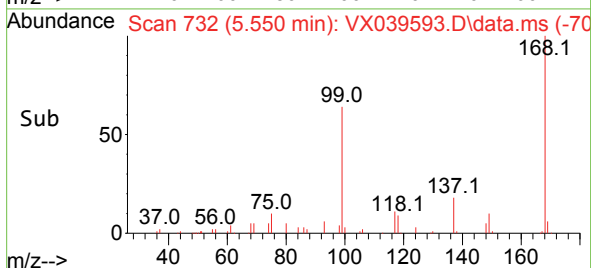
Tgt Ion:113 Resp: 57676
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 16.0 13.3 19.9

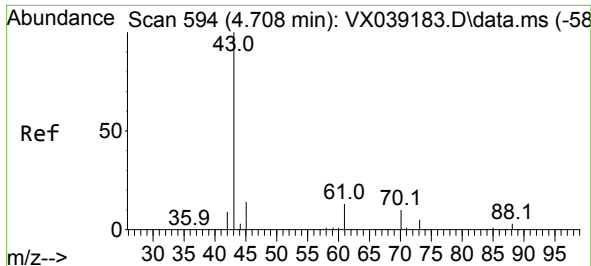


#36
1,1-Dichloropropene
Concen: 4.239 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49



Tgt Ion: 75 Resp: 8297
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#

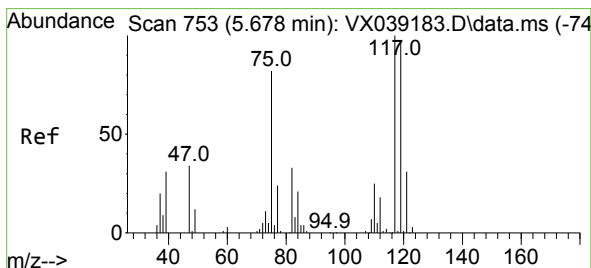
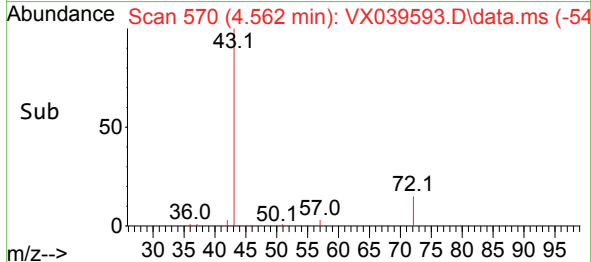
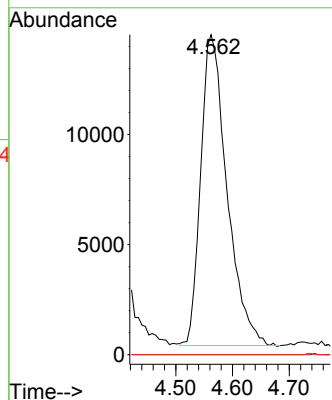
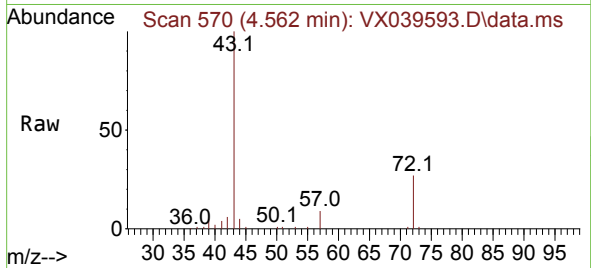




#37
Ethyl Acetate
Concen: 18.797 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.146 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

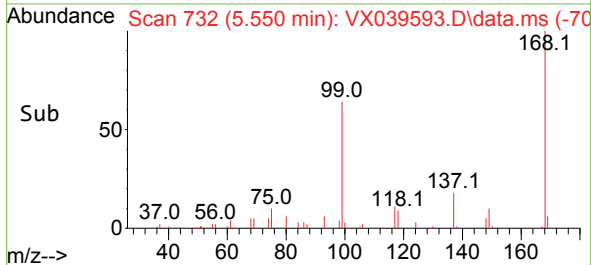
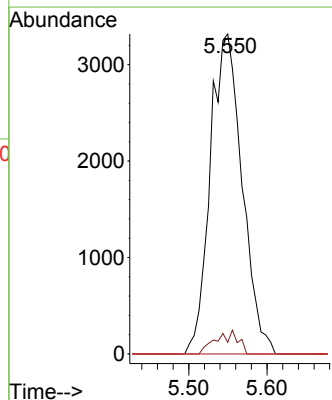
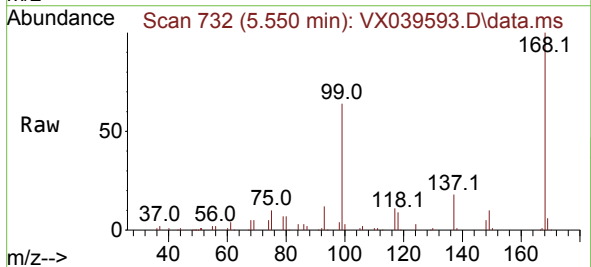
Instrument :
MSVOA_X
ClientSampleId :

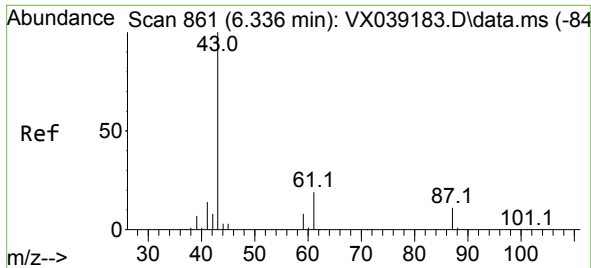
Tgt Ion: 43 Resp: 45452
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 117 Resp: 9396
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#

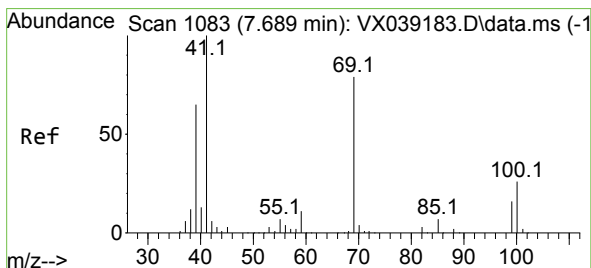
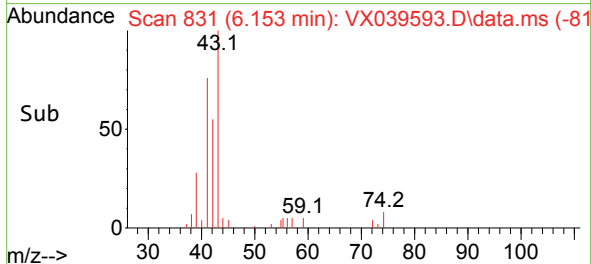
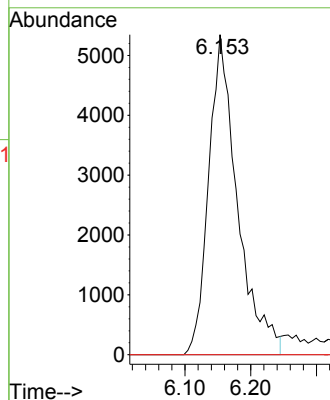
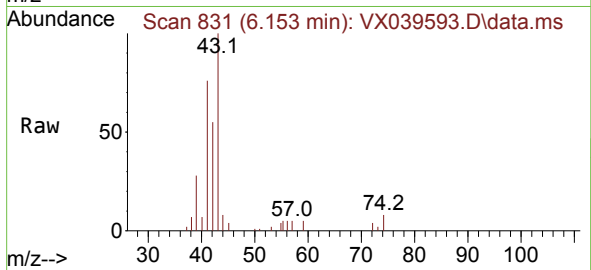




#43
Isopropyl Acetate
Concen: 4.135 ug/l
RT: 6.153 min Scan# 81
Delta R.T. -0.183 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

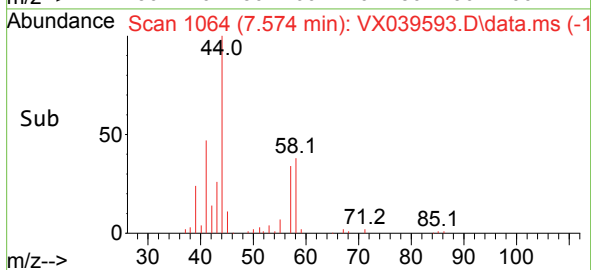
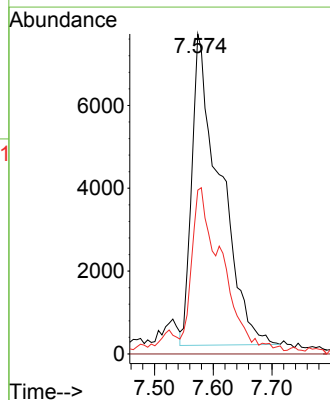
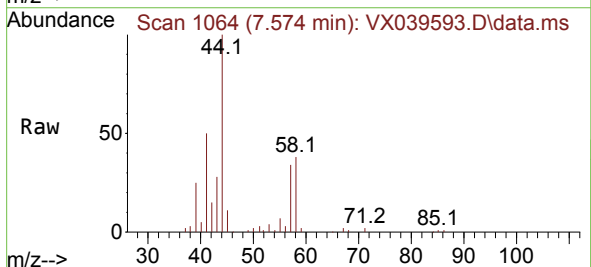
Instrument :
MSVOA_X
ClientSampleId :

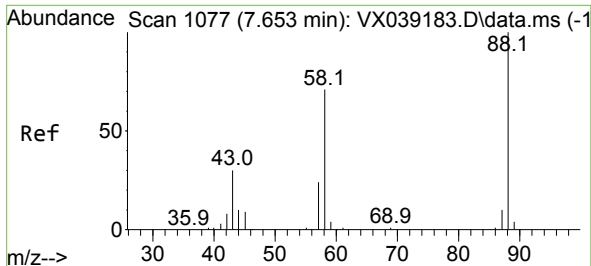
Tgt Ion: 43 Resp: 16260
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 10.883 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.116 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

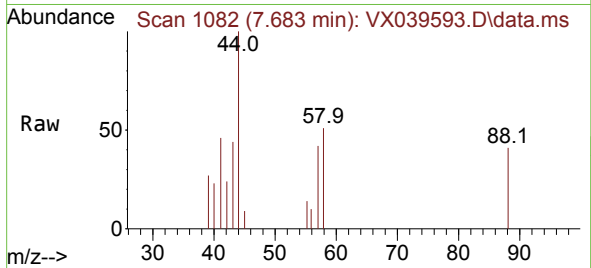
Tgt Ion: 41 Resp: 25017
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.1 47.7 71.5



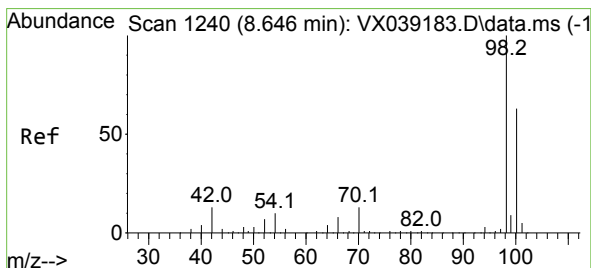
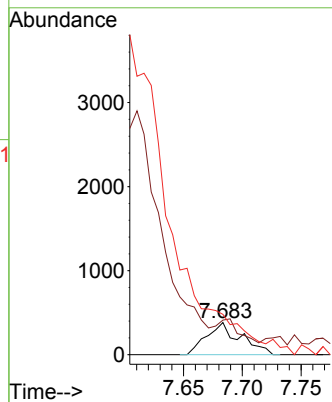
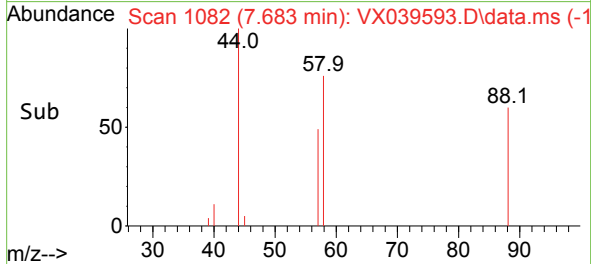


#49
1,4-Dioxane
Concen: 24.882 ug/l
RT: 7.683 min Scan# 1077
Delta R.T. 0.031 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Instrument :
MSVOA_X
ClientSampleId :

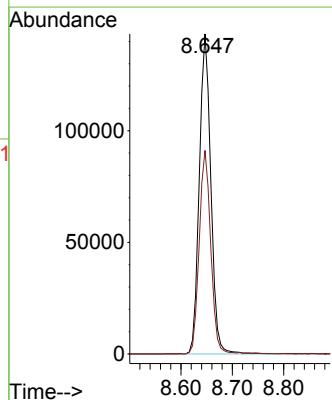
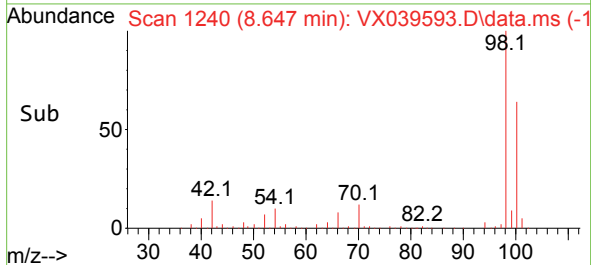
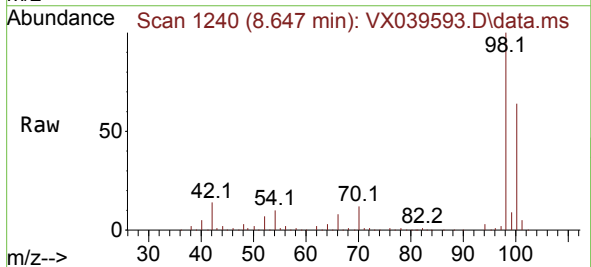


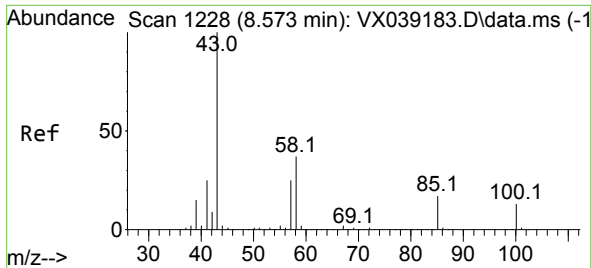
Tgt Ion: 88 Resp: 771
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.655 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 98 Resp: 224037
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.958 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Instrument :

MSVOA_X

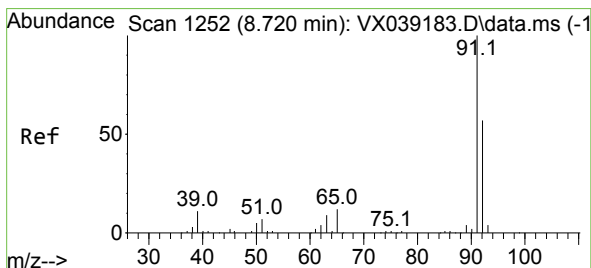
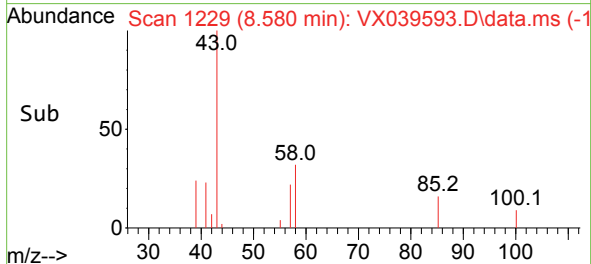
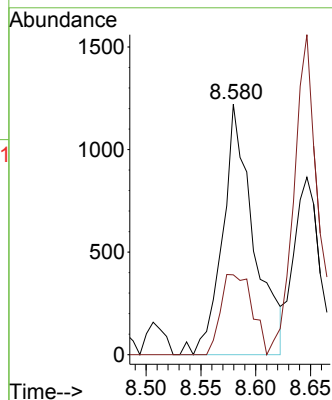
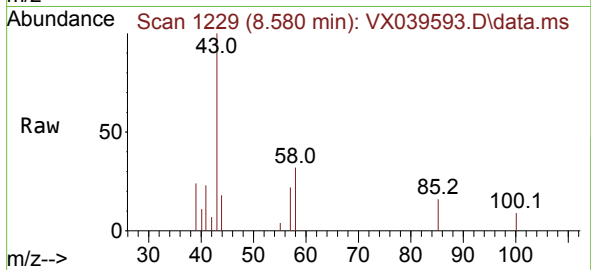
ClientSampleId :

Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

43 100

58 32.4 30.4 45.6



#52

Toluene

Concen: 0.377 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX039593.D

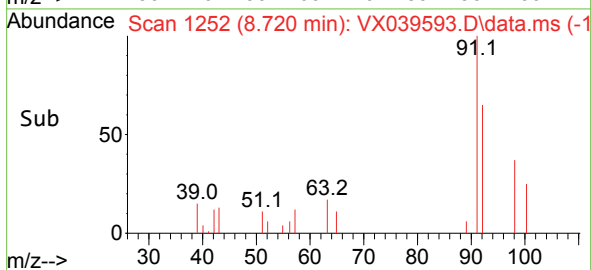
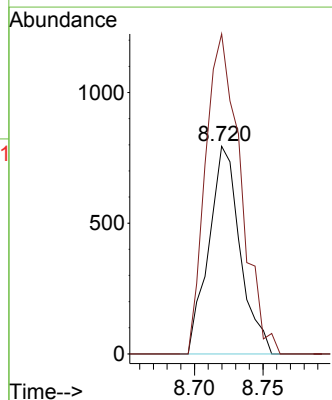
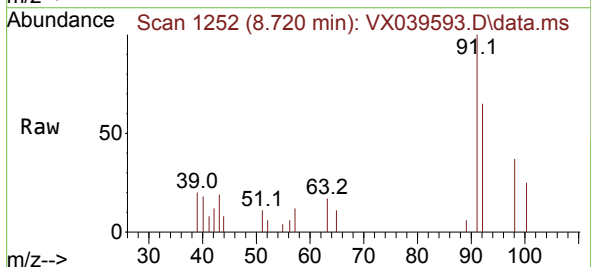
Acq: 03 Jan 2024 11:49

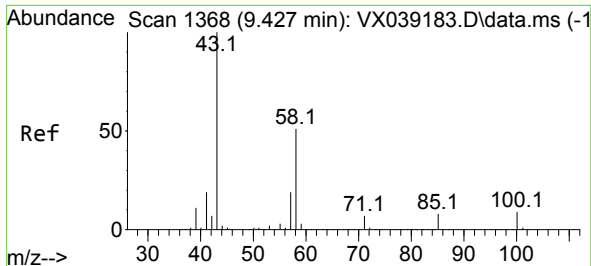
Tgt Ion: 92 Resp: 1259

Ion Ratio Lower Upper

92 100

91 172.4 134.2 201.2





#59

2-Hexanone

Concen: 0.536 ug/l

RT: 9.439 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Instrument :

MSVOA_X

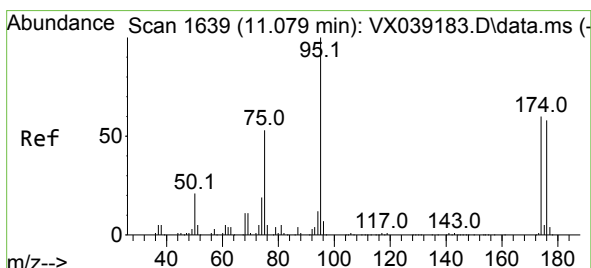
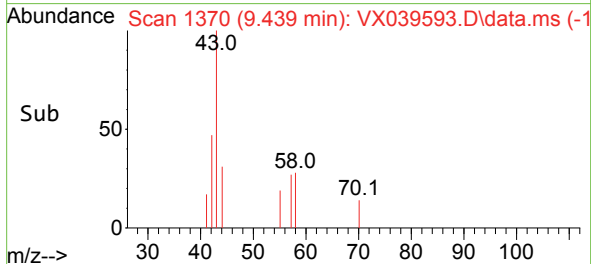
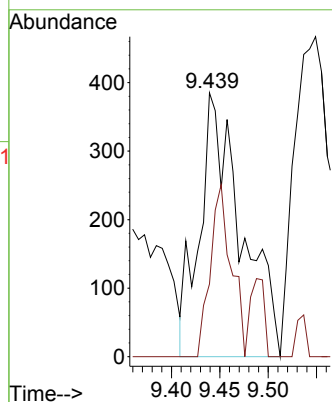
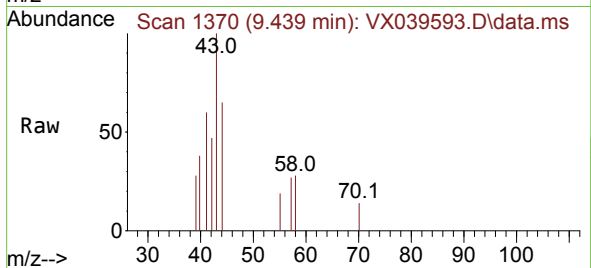
ClientSampleId :

Tgt Ion: 43 Resp: 1160

Ion Ratio Lower Upper

43 100

58 32.5 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 49.849 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

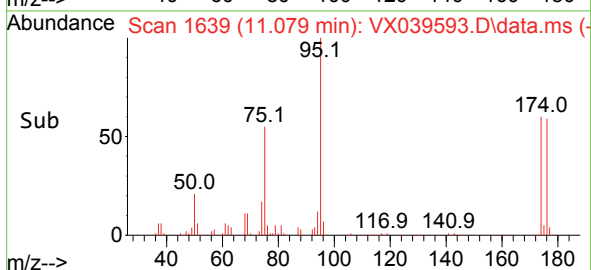
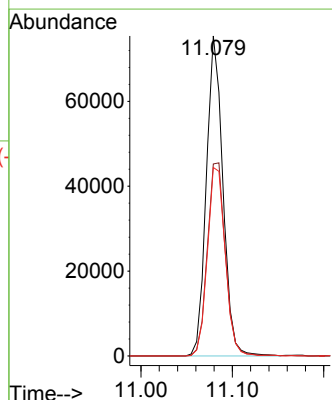
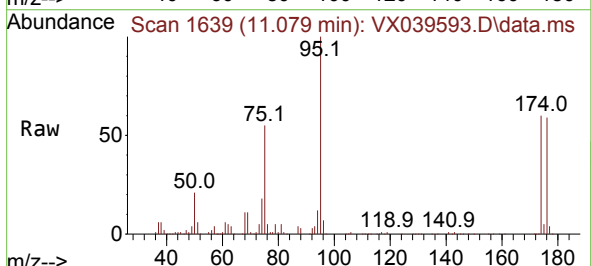
Tgt Ion: 95 Resp: 94706

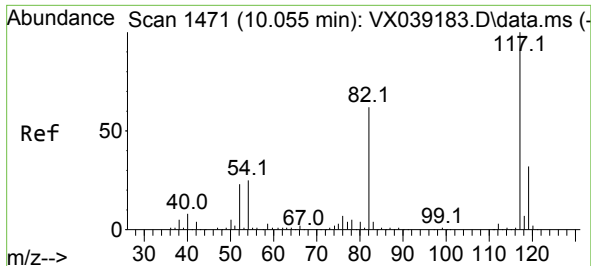
Ion Ratio Lower Upper

95 100

174 65.8 0.0 135.6

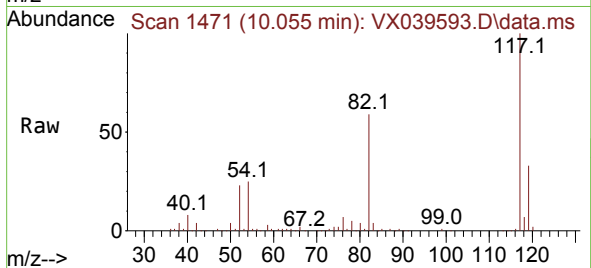
176 63.3 0.0 131.0



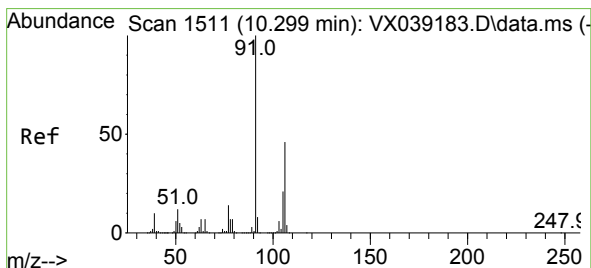
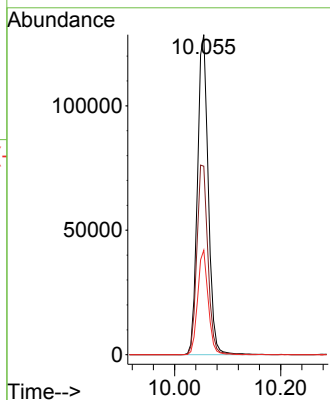
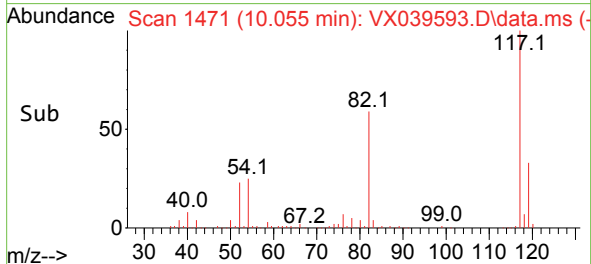


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

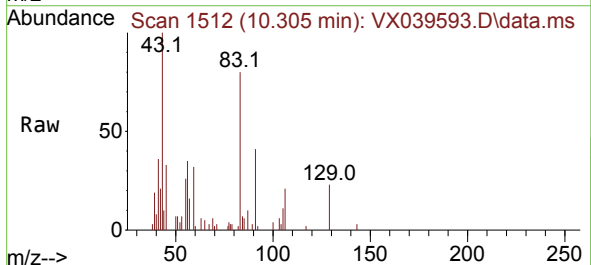
Instrument :
MSVOA_X
ClientSampleId :



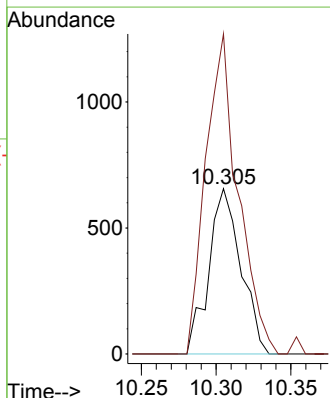
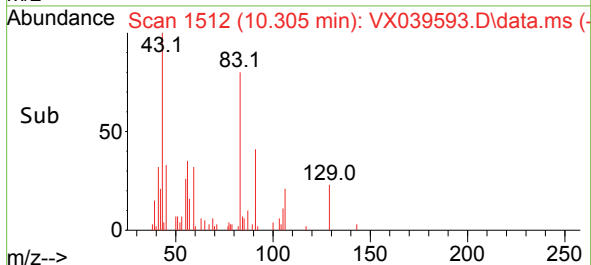
Tgt Ion:117 Resp: 182071
Ion Ratio Lower Upper
117 100
82 58.9 46.2 69.4
119 32.6 25.5 38.3

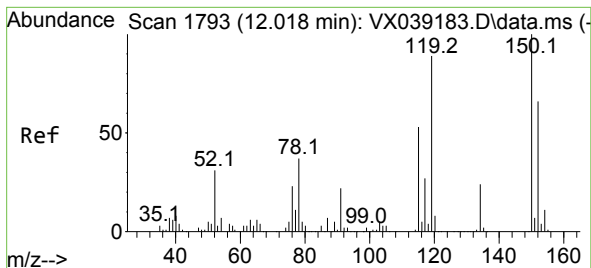


#68
m/p-Xylenes
Concen: 0.370 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49



Tgt Ion:106 Resp: 981
Ion Ratio Lower Upper
106 100
91 195.3 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Instrument :

MSVOA_X

ClientSampleId :

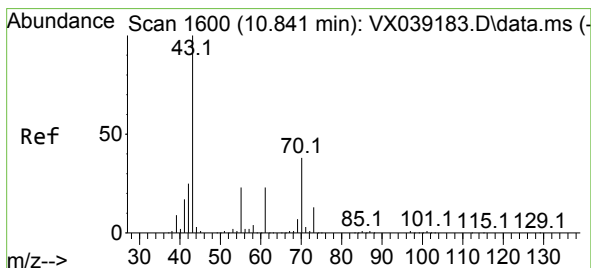
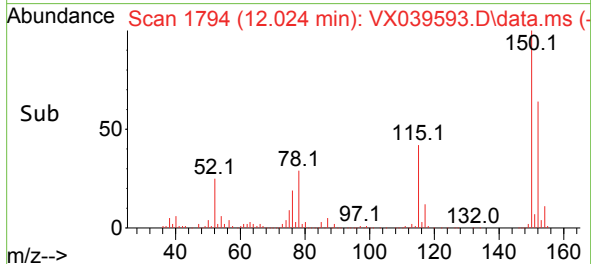
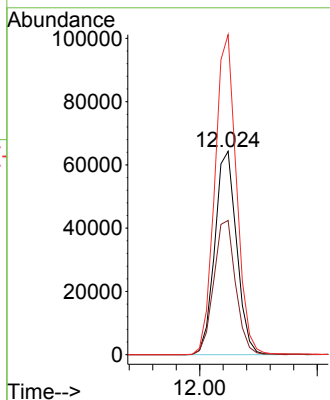
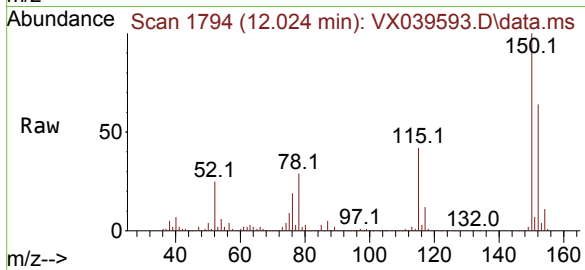
Tgt Ion:152 Resp: 83117

Ion Ratio Lower Upper

152 100

115 66.3 43.3 129.9

150 156.2 0.0 345.0



#74

N-ethyl acetate

Concen: 8.438 ug/l

RT: 10.756 min Scan# 1586

Delta R.T. -0.085 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Tgt Ion: 43 Resp: 27379

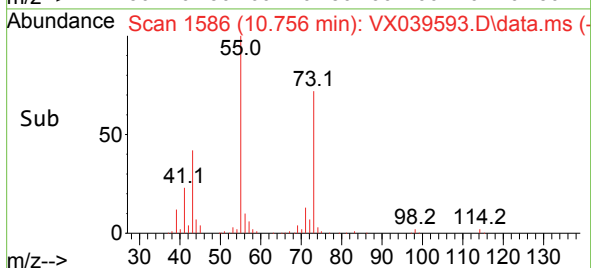
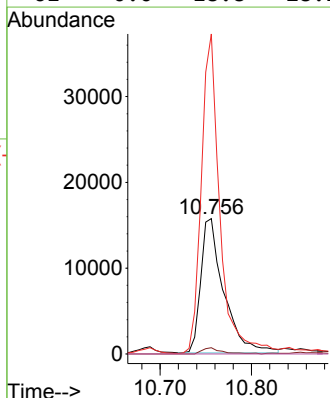
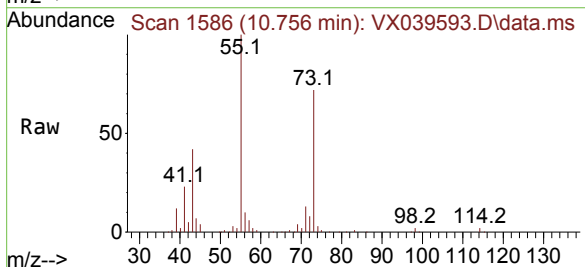
Ion Ratio Lower Upper

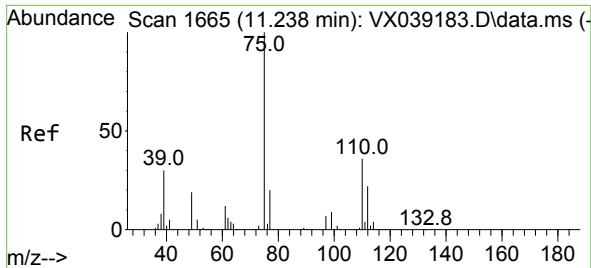
43 100

70 4.0 32.9 49.3#

55 191.0 19.3 28.9#

61 0.0 18.8 28.2#

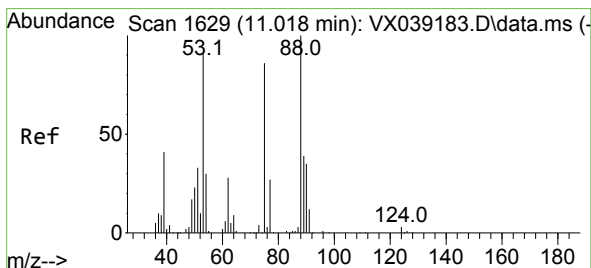
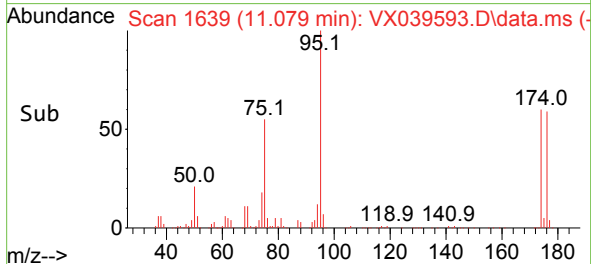
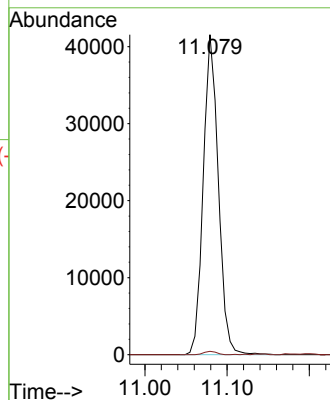
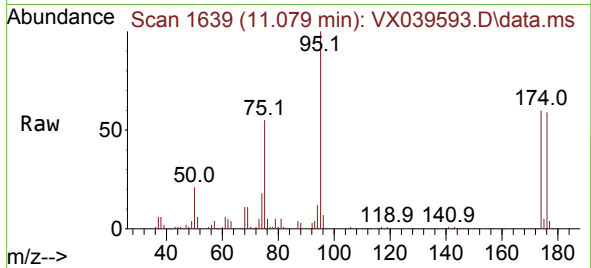




#76
1,2,3-Trichloropropane
Concen: 24.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

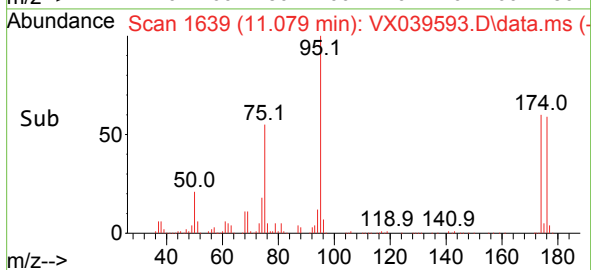
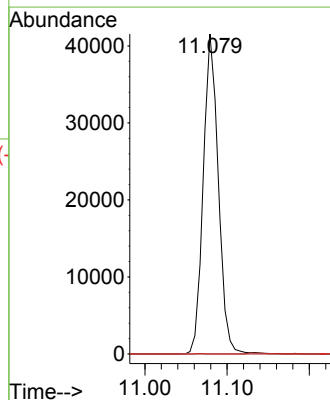
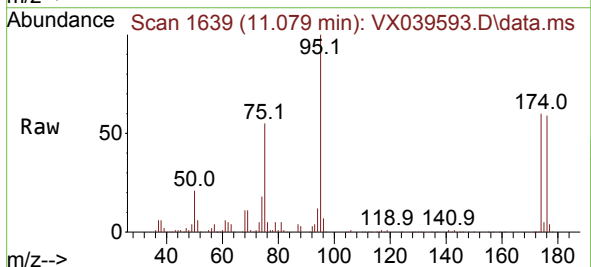
Instrument :
MSVOA_X
ClientSampleId :

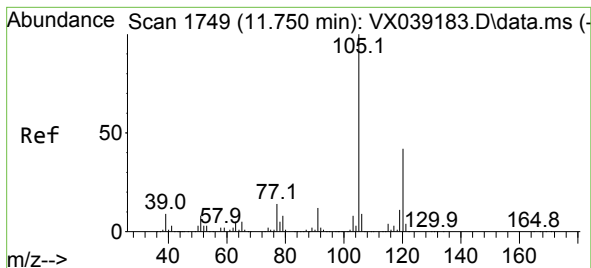
Tgt Ion: 75 Resp: 52927
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.433 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039593.D
Acq: 03 Jan 2024 11:49

Tgt Ion: 75 Resp: 52927
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.300 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Instrument :

MSVOA_X

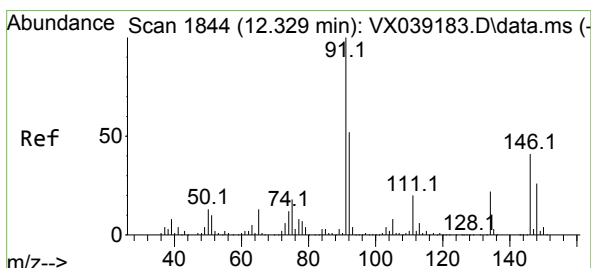
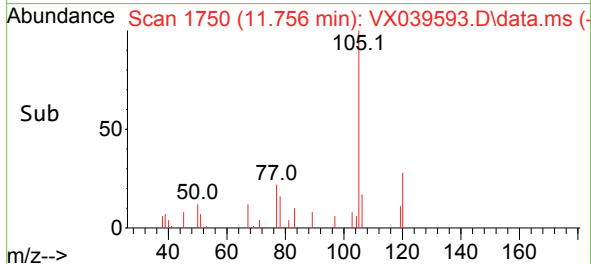
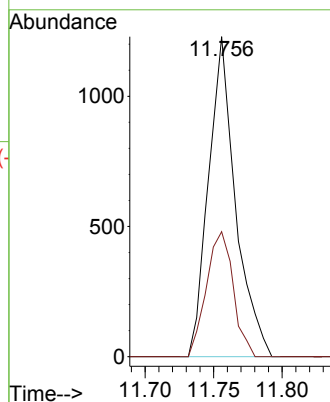
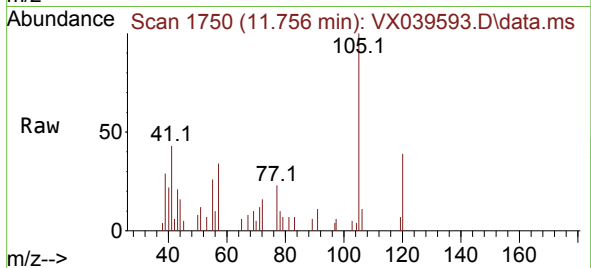
ClientSampleId :

Tgt Ion:105 Resp: 1680

Ion Ratio Lower Upper

105 100

120 38.8 21.2 63.6



#89

n-Butylbenzene

Concen: 0.223 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

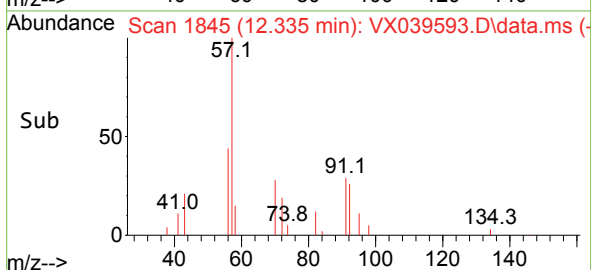
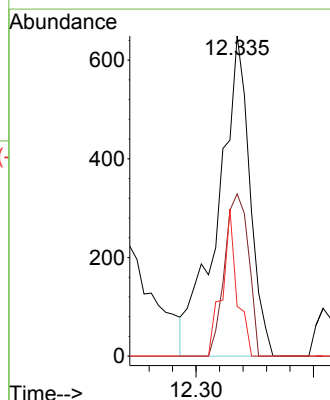
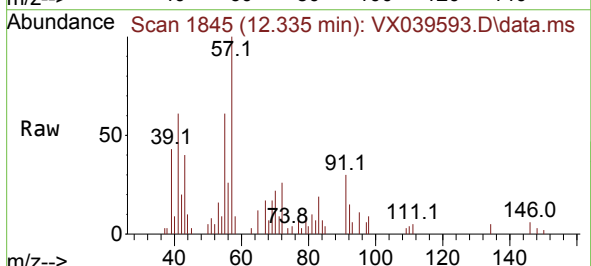
Tgt Ion: 91 Resp: 1216

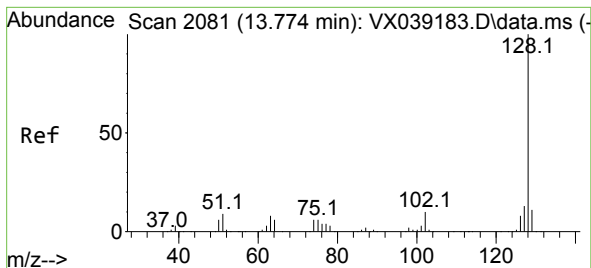
Ion Ratio Lower Upper

91 100

92 38.2 27.4 82.0

134 21.5 12.6 37.8





#95

Naphthalene

Concen: 1.073 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Instrument :

MSVOA_X

ClientSampleId :

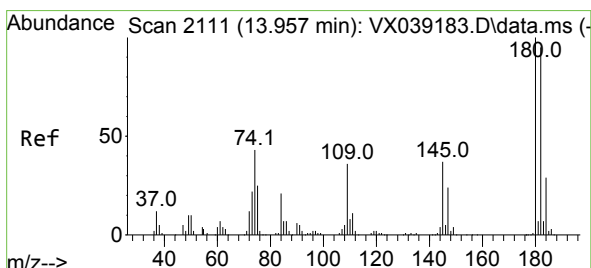
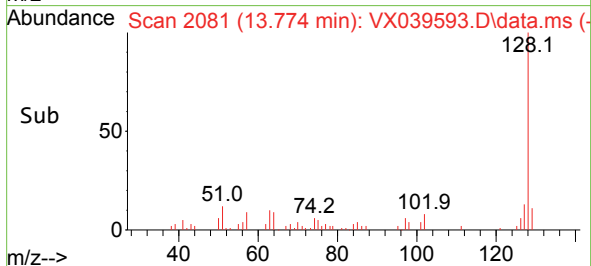
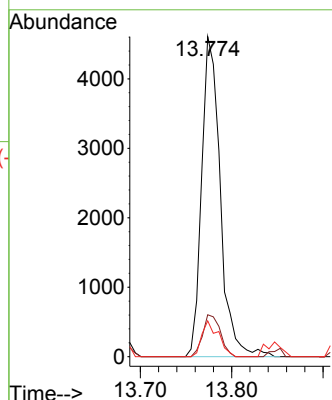
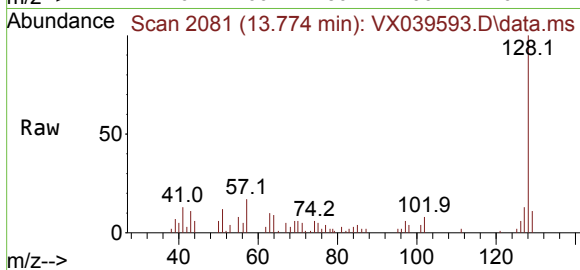
Tgt Ion:128 Resp: 6521

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 10.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039593.D

Acq: 03 Jan 2024 11:49

Tgt Ion:180 Resp: 366

Ion Ratio Lower Upper

180 100

182 98.6 46.9 140.6

145 25.7 17.8 53.5

