

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014992.D
 Acq On : 08 Aug 2023 17:57
 Operator : SY/MD
 Sample : 03903-09
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

Quant Time: Aug 09 01:03:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.838	168	54083	50.000	ug/l	# 0.05
34) 1,4-Difluorobenzene	8.728	114	198829	50.000	ug/l	# 0.04
63) Chlorobenzene-d5	11.538	117	163273	50.000	ug/l	# 0.05
72) 1,4-Dichlorobenzene-d4	13.434	152	24349	50.000	ug/l	# 0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	17653	26.931	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 53.860%	
35) Dibromofluoromethane	7.752	113	78309	61.589	ug/l	0.04
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.180%	
50) Toluene-d8	10.288	98	4289158	886.279	ug/l	0.11
Spiked Amount	50.000	Range	58 - 134	Recovery	= 1772.560%#	
62) 4-Bromofluorobenzene	12.483	95	369743	215.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 431.140%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.894	85	88	Below Cal	#	43
3) Chloromethane	2.101	50	3651	8.578	ug/l	95
5) Bromomethane	2.637	94	3455	6.589	ug/l	85
10) Methyl Iodide	4.082	142	11097	21.877	ug/l	92
11) Tert butyl alcohol	4.948	59	760	4.804	ug/l	# 89
13) Acrolein	3.698	56	138970	2582.230	ug/l	# 1
14) Allyl chloride	4.771	41	21029088	29540.676	ug/l	# 22
15) Acrylonitrile	5.308	53	1608975	8611.529	ug/l	# 23
16) Acetone	3.954	43	6780215	33170.355	ug/l	# 62
17) Carbon Disulfide	4.192	76	30442	32.209	ug/l	99
18) Methyl Acetate	4.741	43	41439763	55669.768	ug/l	# 54
19) Methyl tert-butyl Ether	5.222	73	2569	1.588	ug/l	# 1
20) Methylene Chloride	4.637	84	387565	Below Cal	#	13
24) 1,1-Dichloroethane	6.143	63	137521	146.218	ug/l	# 84
26) 2,2-Dichloropropane	6.862	77	198975	209.080	ug/l	# 54
28) Bromochloromethane	7.374	49	2356	5.557	ug/l	# 14
29) Tetrahydrofuran	7.569	42	510718	2974.716	ug/l	# 35
30) Chloroform	7.630	83	13454181	13168.679	ug/l	# 75
31) Cyclohexane	7.783	56	11032236	17494.808	ug/l	# 61
32) 1,1,1-Trichloroethane	7.923	97	16518	18.346	ug/l	# 24
36) 1,1-Dichloropropene	7.777	75	3913	2.479	ug/l	# 41
38) Carbon Tetrachloride	7.819	117	4499	2.535	ug/l	# 16
39) Methylcyclohexane	9.313	83	55526433	29578.907	ug/l	# 89
40) Benzene	8.191	78	12703	2.733	ug/l	# 58
42) 1,2-Dichloroethane	8.258	62	2543	1.572	ug/l	# 78
45) 1,2-Dichloropropane	9.215	63	126180	102.142	ug/l	# 1
46) Dibromomethane	9.331	93	67114	84.335	ug/l	# 2
47) Bromodichloromethane	9.599	83	13276139	7244.521	ug/l	# 77
48) Methyl methacrylate	9.301	41	24153910	23647.765	ug/l	# 13
49) 1,4-Dioxane	9.331	88	210	14.187	ug/l	# 36
51) 4-Methyl-2-Pentanone	10.227	43	11921915	9087.560	ug/l	92
52) Toluene	10.343	92	1680629	561.857	ug/l	88
53) t-1,3-Dichloropropene	10.563	75	3053	1.600	ug/l	# 1
54) cis-1,3-Dichloropropene	9.947	75	3605	1.748	ug/l	# 1
55) 1,1,2-Trichloroethane	10.605	97	14025664	12126.334	ug/l	# 19
56) Ethyl methacrylate	10.581	69	1066552	643.989	ug/l	# 21

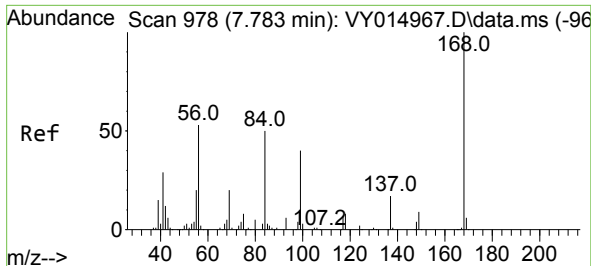
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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
57) 1,3-Dichloropropane	10.825	76	2045	1.069	ug/l	#	1
58) 2-Chloroethyl Vinyl ether	9.837	63	142266	181.672	ug/l	#	49
59) 2-Hexanone	10.959	43	8860041	9142.380	ug/l		70
60) Dibromochloromethane	10.965	129	144498	104.922	ug/l	#	11
61) 1,2-Dibromoethane	11.111	107	97381	88.207	ug/l	#	1
64) Tetrachloroethene	10.788	164	2109	1.717	ug/l	#	66
65) Chlorobenzene	11.684	112	241920	78.086	ug/l	#	44
67) Ethyl Benzene	11.691	91	1504008	276.618	ug/l	#	1
68) m/p-Xylenes	11.703	106	18490541	8889.838	ug/l	#	1
69) o-Xylene	12.050	106	5253073	2581.028	ug/l		95
70) Styrene	12.044	104	254565	73.188	ug/l	#	1
73) Isopropylbenzene	12.050	105	1492622	911.924	ug/l	#	48
74) N-amyl acetate	12.136	43	3862180	6906.306	ug/l	#	68
75) 1,1,2,2-Tetrachloroethane	12.544	83	380392	950.995	ug/l	#	66
76) 1,2,3-Trichloropropane	12.684	75	704582	2414.949	ug/l	#	100
77) Bromobenzene	12.599	156	11035	27.794	ug/l	#	1
78) n-propylbenzene	12.745	91	1773633	905.990	ug/l	#	1
79) 2-Chlorotoluene	12.745	91	1773633	1589.675	ug/l	#	42
80) 1,3,5-Trimethylbenzene	12.727	105	3272895	2426.480	ug/l	#	43
81) trans-1,4-Dichloro-2-b...	12.343	75	555794	4196.723	ug/l	#	47
82) 4-Chlorotoluene	12.831	91	5587443	4844.313	ug/l	#	41
83) tert-Butylbenzene	13.129	119	7948787	6441.999	ug/l	#	66
84) 1,2,4-Trimethylbenzene	13.257	105	7577994	5607.576	ug/l	#	32
85) sec-Butylbenzene	13.257	105	7577994	4184.539	ug/l	#	51
86) p-Isopropyltoluene	13.373	119	2758974	1840.510	ug/l		99
89) n-Butylbenzene	13.696	91	7254549	5150.746	ug/l	#	64
90) Hexachloroethane	13.977	117	3024229	10388.927	ug/l	#	8
91) 1,2-Dichlorobenzene	13.739	146	1707	2.380	ug/l	#	1
92) 1,2-Dibromo-3-Chloropr...	14.336	75	178636	2287.299	ug/l	#	3
93) 1,2,4-Trichlorobenzene	15.013	180	542	1.181	ug/l	#	1
95) Naphthalene	15.227	128	21090510	19530.227	ug/l	#	76
96) 1,2,3-Trichlorobenzene	15.446	180	1522	3.664	ug/l	#	1

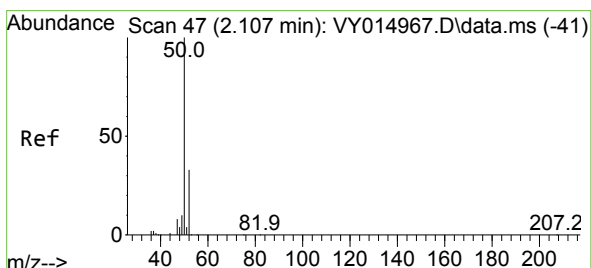
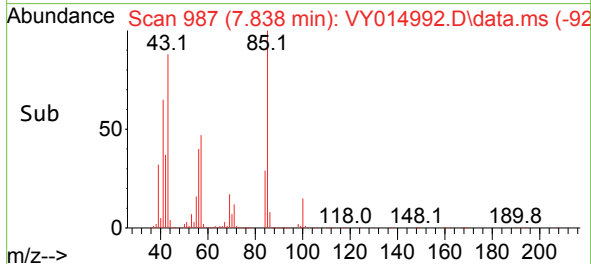
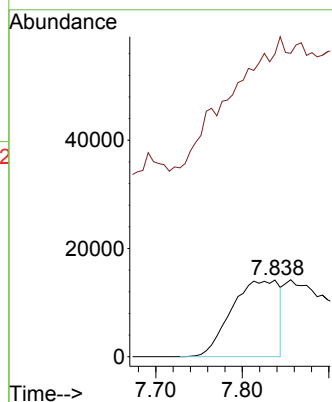
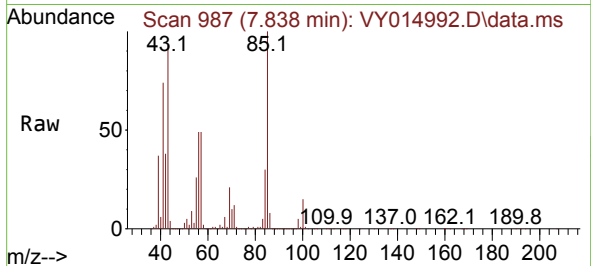
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.838 min Scan# 91
Delta R.T. 0.055 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

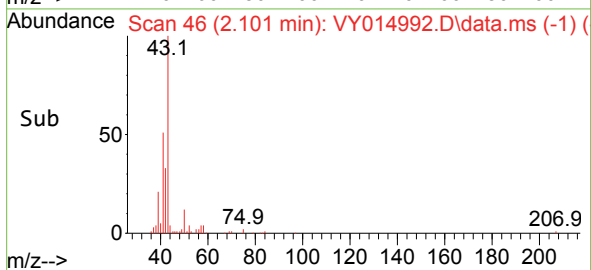
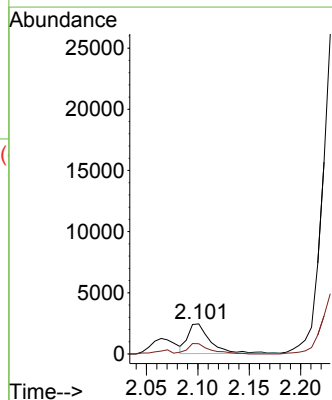
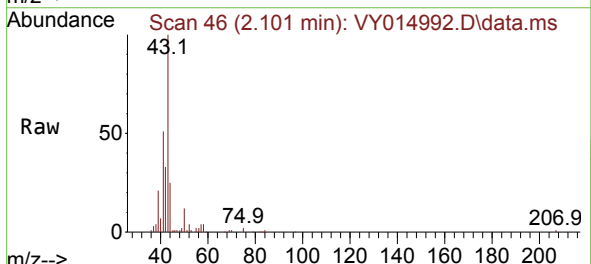
Instrument :
MSVOA_Y
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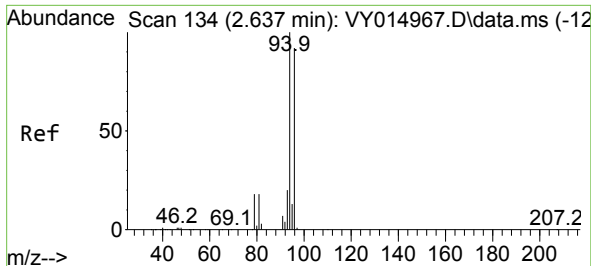
Tgt Ion:168 Resp: 54083
Ion Ratio Lower Upper
168 100
99 148.6 43.4 65.0#



#3
Chloromethane
Concen: 8.578 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 50 Resp: 3651
Ion Ratio Lower Upper
50 100
52 34.8 25.4 38.2

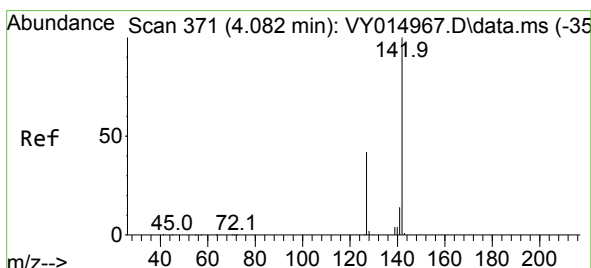
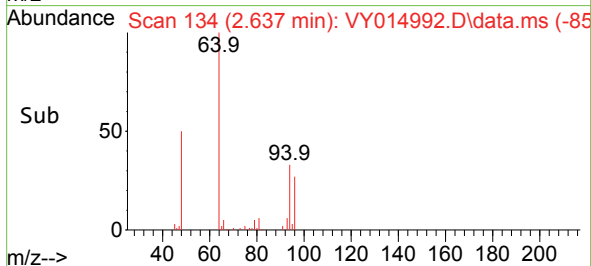
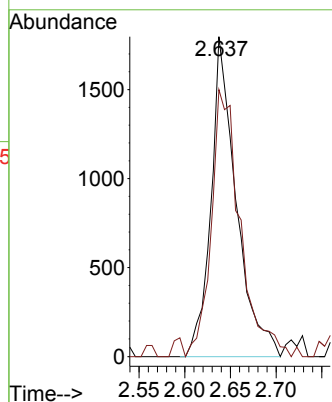
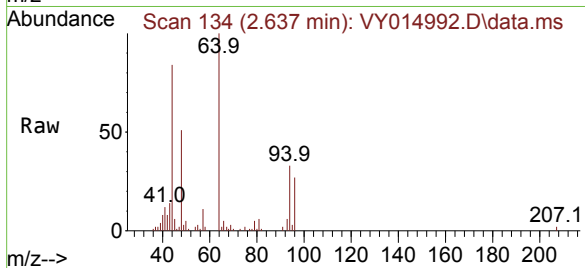




#5
Bromomethane
Concen: 6.589 ug/l
RT: 2.637 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

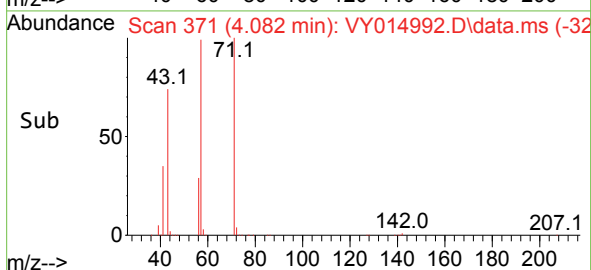
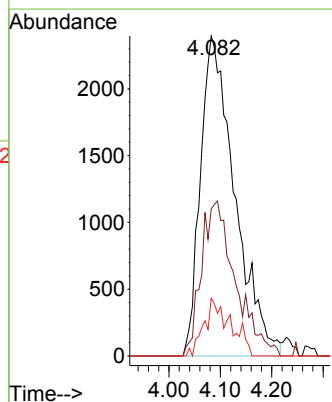
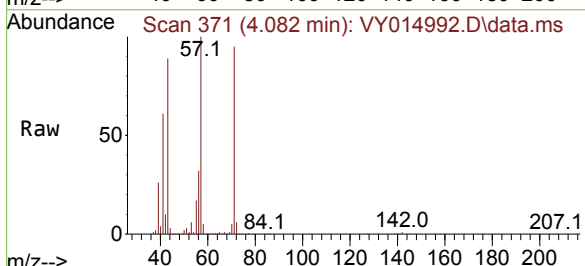
Instrument :
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ClientSampleId :
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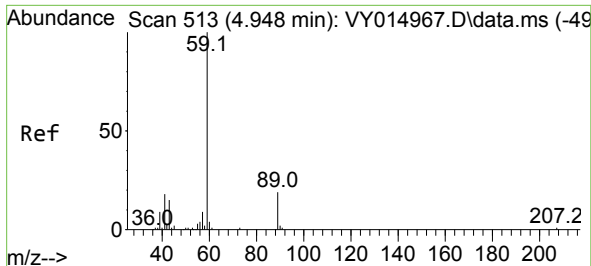
Tgt Ion: 94 Resp: 3455
Ion Ratio Lower Upper
94 100
96 80.4 75.8 113.6



#10
Methyl Iodide
Concen: 21.877 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.000 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion:142 Resp: 11097
Ion Ratio Lower Upper
142 100
127 41.6 37.6 56.4
141 12.4 11.8 17.8

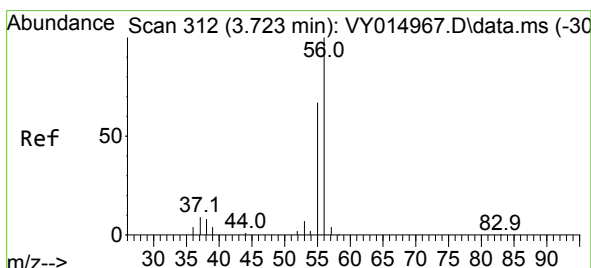
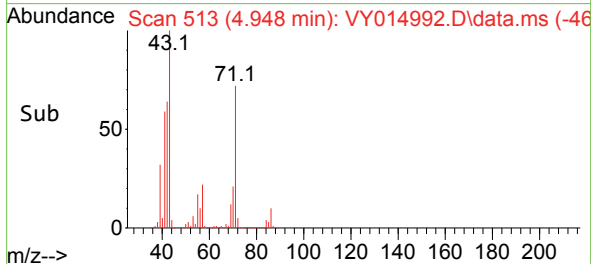
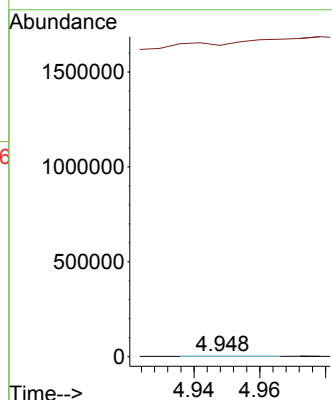
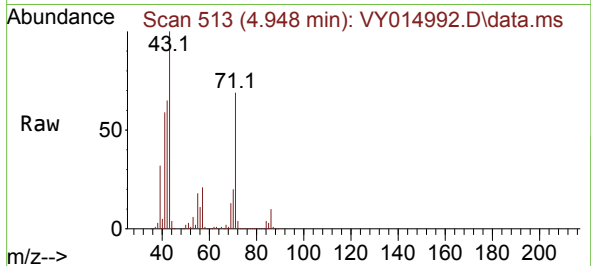




#11
Tert butyl alcohol
Concen: 4.804 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

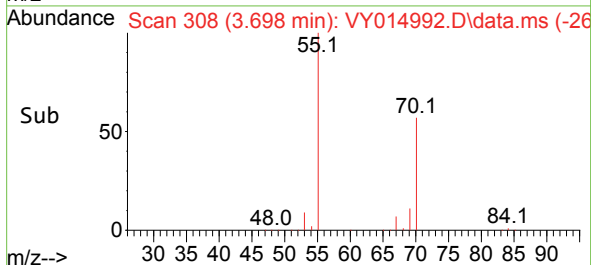
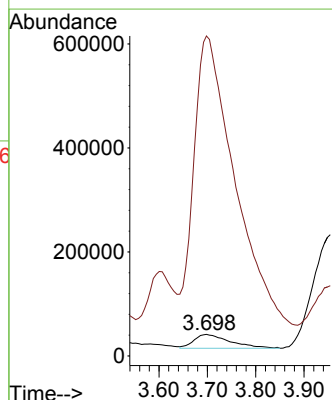
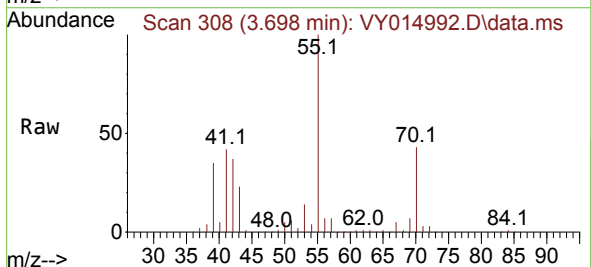
Instrument :
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ClientSampleId :
MW-09

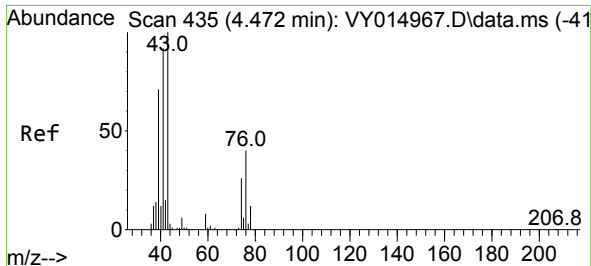
Tgt Ion: 59 Resp: 760
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 2582.230 ug/l
RT: 3.698 min Scan# 308
Delta R.T. -0.024 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 56 Resp: 138970
Ion Ratio Lower Upper
56 100
55 2335.1 57.0 85.4#

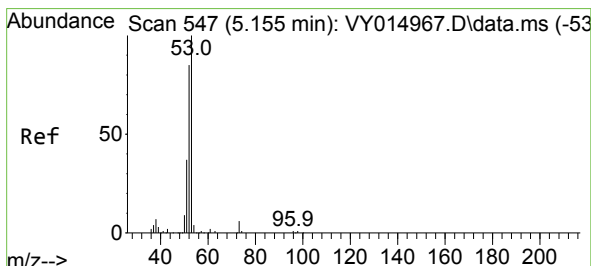
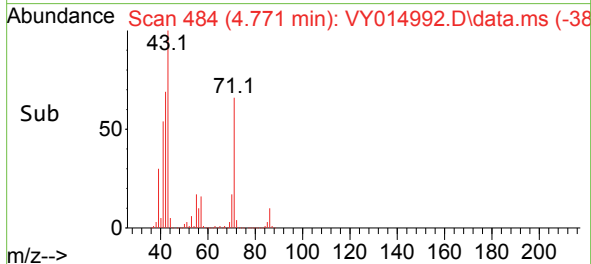
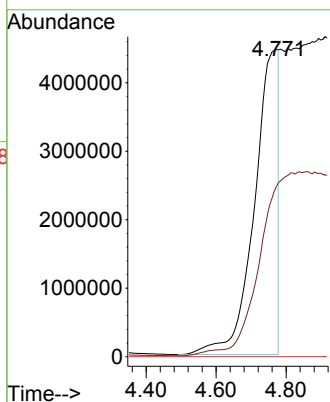
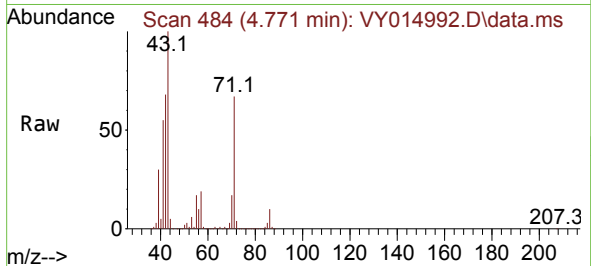




#14
 Allyl chloride
 Concen: 29540.676 ug/l
 RT: 4.771 min Scan# 41
 Delta R.T. 0.299 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

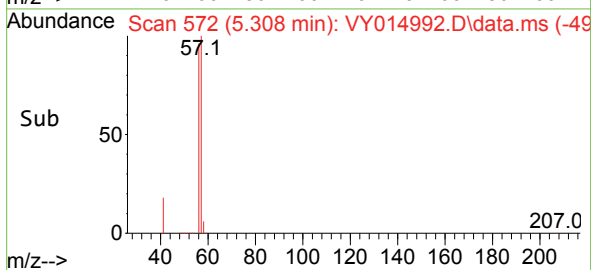
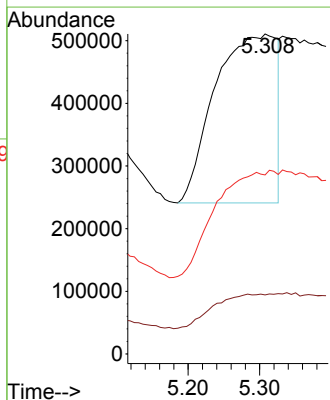
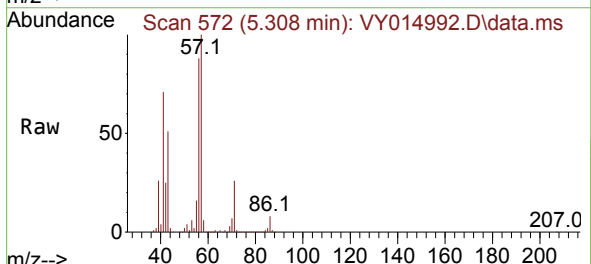
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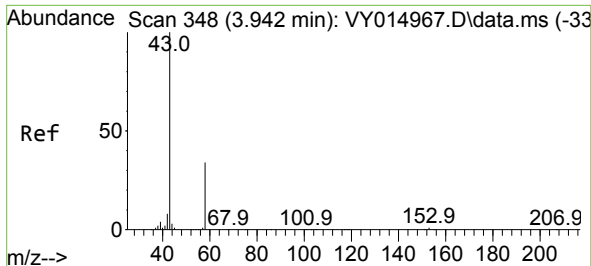
Tgt Ion: 41 Resp: 21029088
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 27.4 41.2#



#15
 Acrylonitrile
 Concen: 8611.529 ug/l
 RT: 5.308 min Scan# 572
 Delta R.T. 0.152 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Tgt Ion: 53 Resp: 1608975
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.9 100.3#
 51 62.4 29.8 44.6#

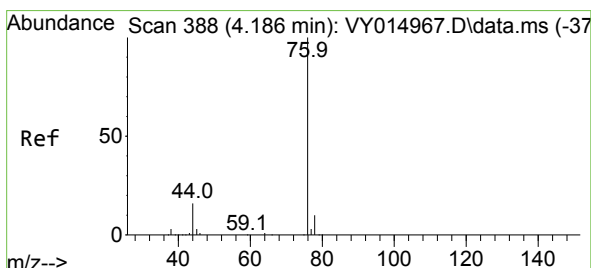
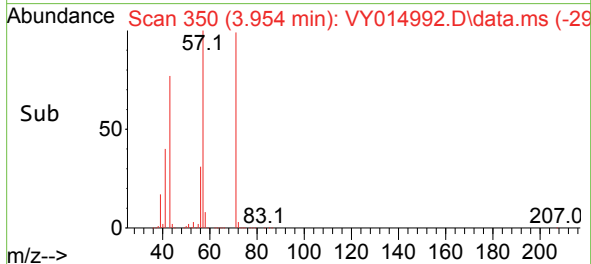
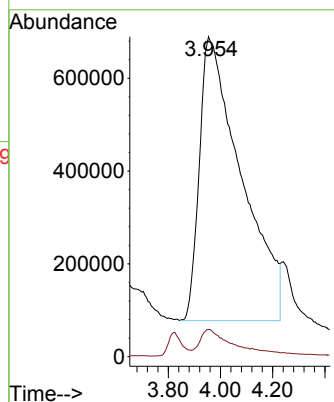
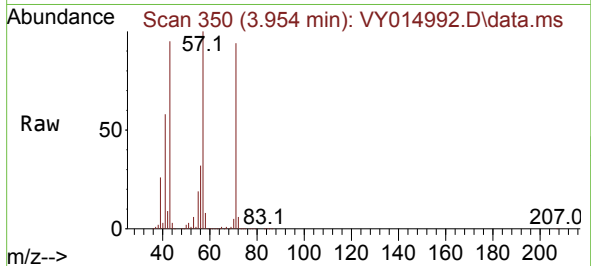




#16
Acetone
Concen: 33170.355 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

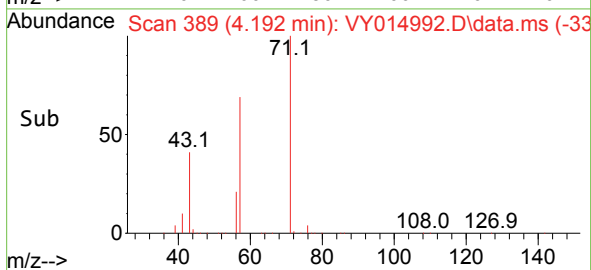
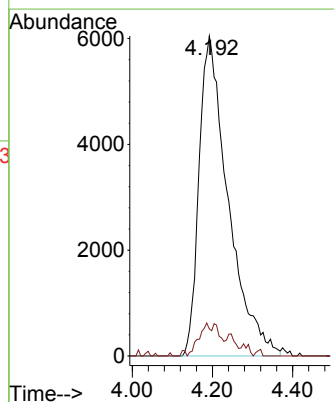
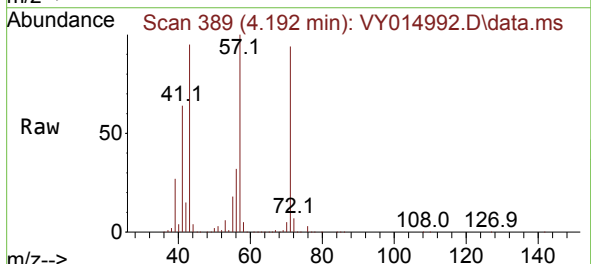
Instrument :
MSVOA_Y
ClientSampleId :
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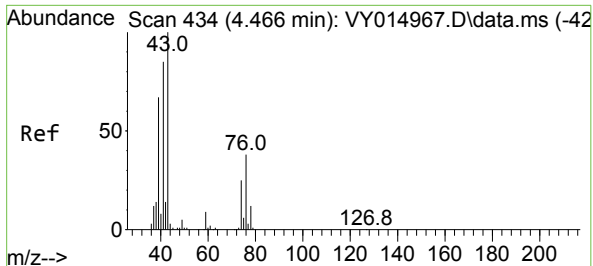
Tgt Ion: 43 Resp: 6780215
Ion Ratio Lower Upper
43 100
58 8.2 22.7 34.1#



#17
Carbon Disulfide
Concen: 32.209 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 76 Resp: 30442
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

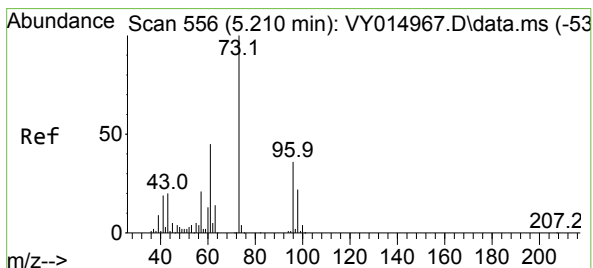
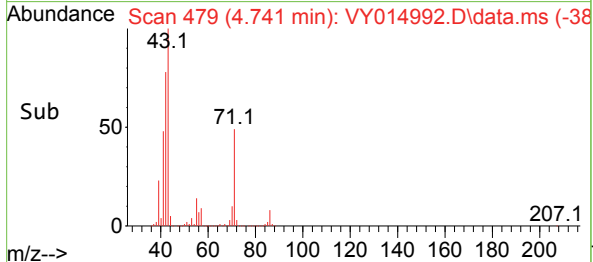
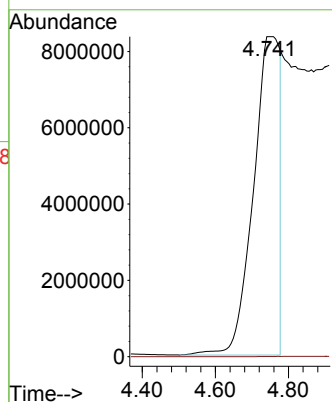
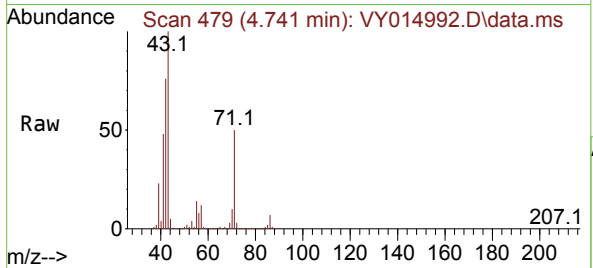




#18
Methyl Acetate
Concen: 55669.768 ug/l
RT: 4.741 min Scan# 41
Delta R.T. 0.275 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

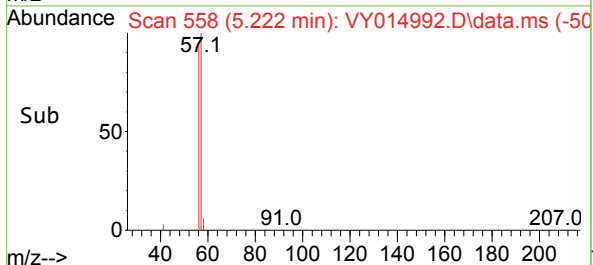
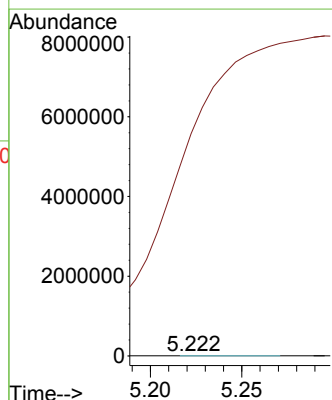
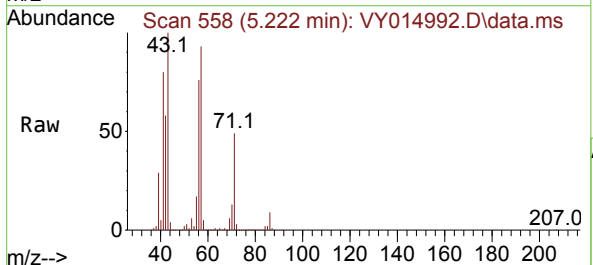
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

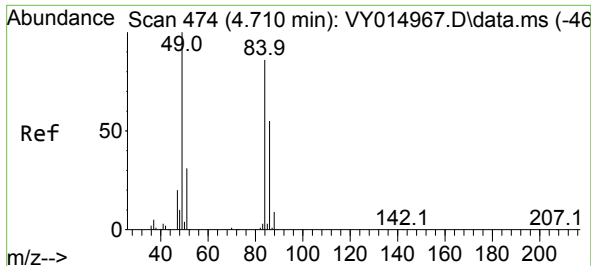
Tgt Ion: 43 Resp:41439763
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#19
Methyl tert-butyl Ether
Concen: 1.588 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.012 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

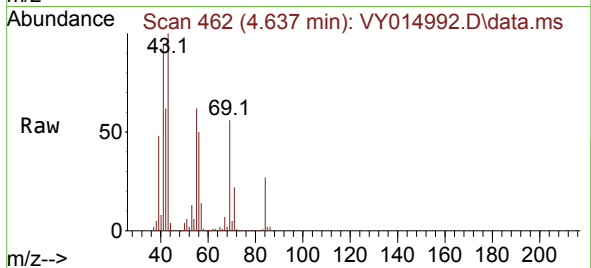
Tgt Ion: 73 Resp: 2569
Ion Ratio Lower Upper
73 100
57 54144.1 17.3 25.9#



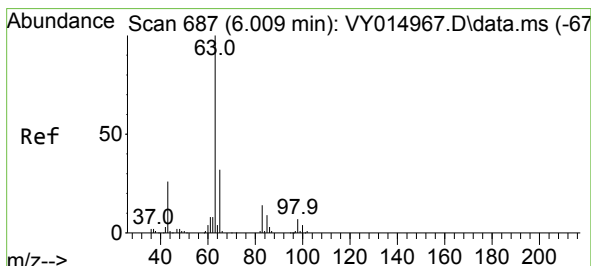
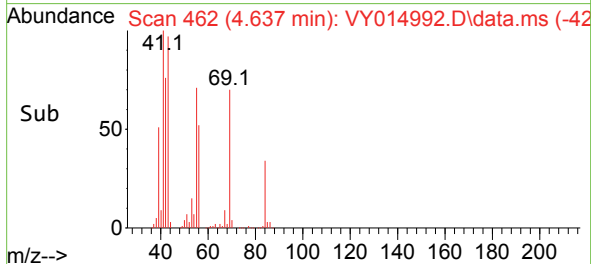
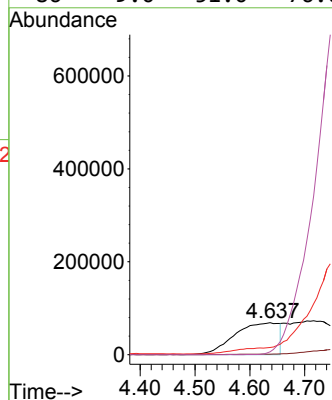


#20
Methylene Chloride
Concen: Below Cal
RT: 4.637 min Scan# 41
Delta R.T. -0.073 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Instrument :
MSVOA_Y
ClientSampleId :
MW-09

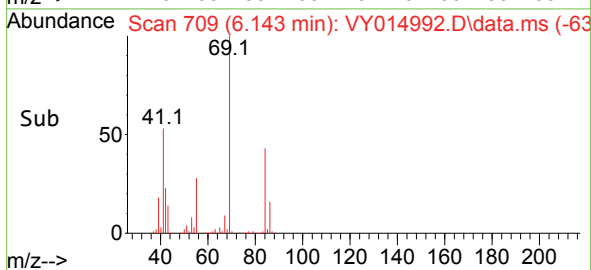
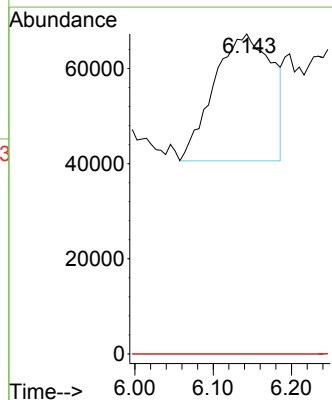
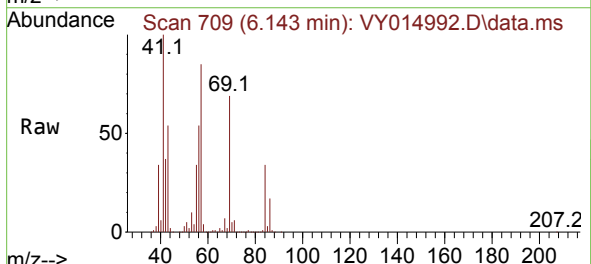


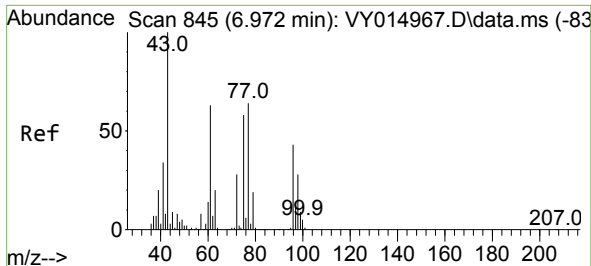
Tgt Ion: 84 Resp: 387565
Ion Ratio Lower Upper
84 100
49 1.6 106.9 160.3#
51 20.1 33.2 49.8#
86 9.0 51.0 76.6#



#24
1,1-Dichloroethane
Concen: 146.218 ug/l
RT: 6.143 min Scan# 709
Delta R.T. 0.134 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 63 Resp: 137521
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 0.0 1.8 5.5#

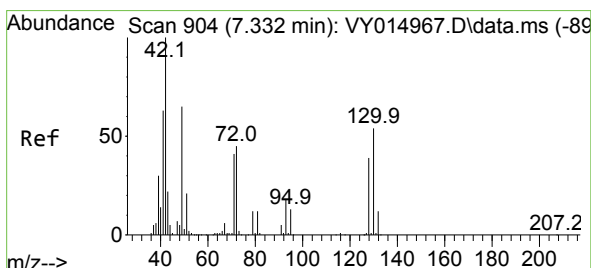
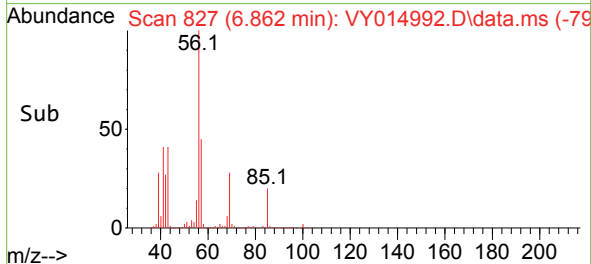
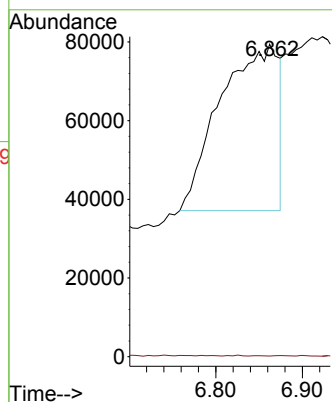
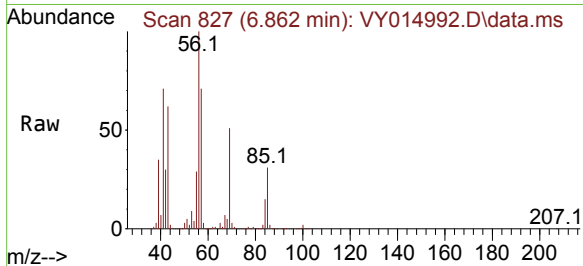




#26
2,2-Dichloropropane
Concen: 209.080 ug/l
RT: 6.862 min Scan# 81
Delta R.T. -0.110 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

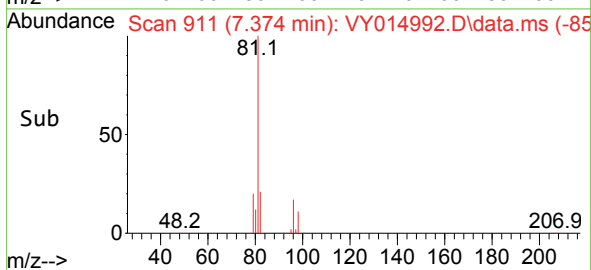
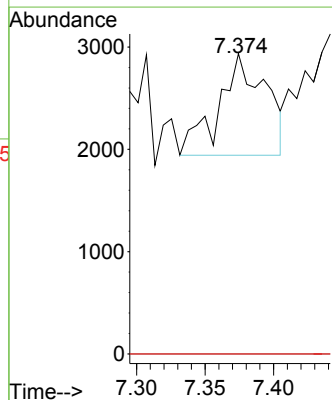
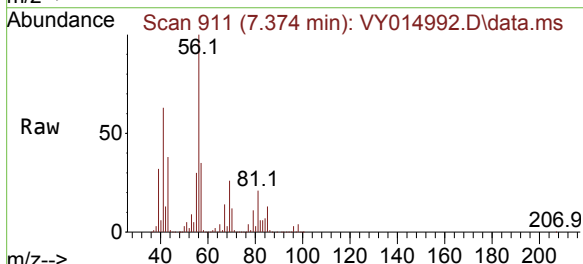
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

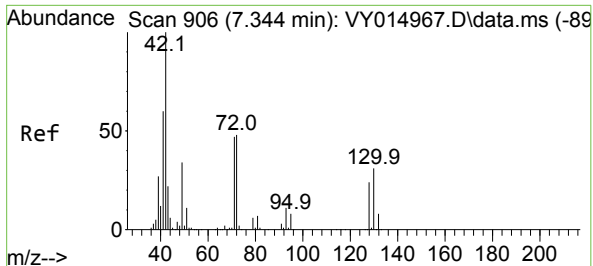
Tgt Ion: 77 Resp: 198975
Ion Ratio Lower Upper
77 100
97 0.1 10.9 32.9#



#28
Bromochloromethane
Concen: 5.557 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.043 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 49 Resp: 2356
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 60.7 91.1#





#29

Tetrahydrofuran

Concen: 2974.716 ug/l

RT: 7.569 min Scan# 94

Delta R.T. 0.225 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

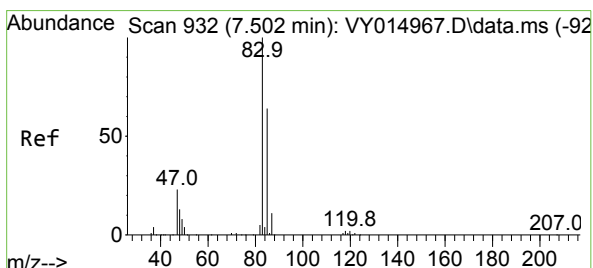
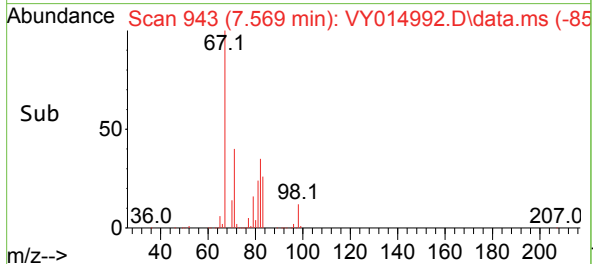
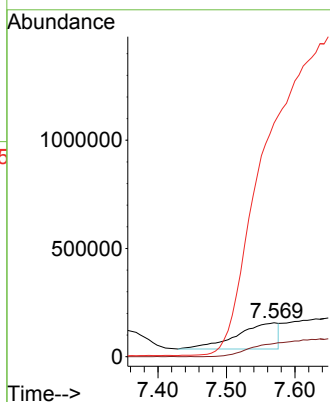
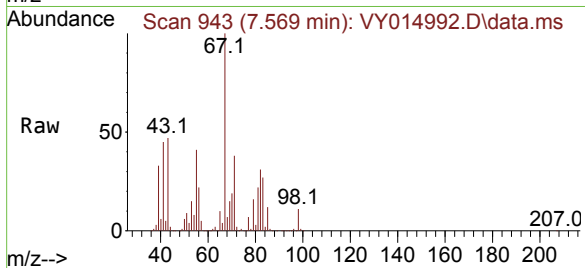
Tgt Ion: 42 Resp: 510718

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#30

Chloroform

Concen: 13168.679 ug/l

RT: 7.630 min Scan# 953

Delta R.T. 0.128 min

Lab File: VY014992.D

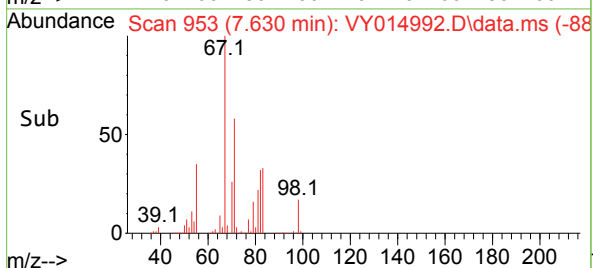
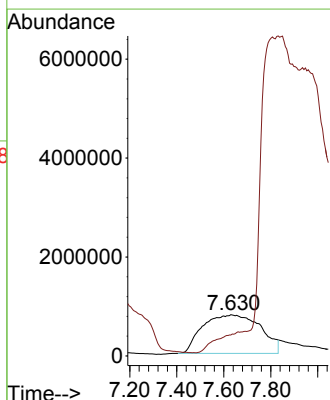
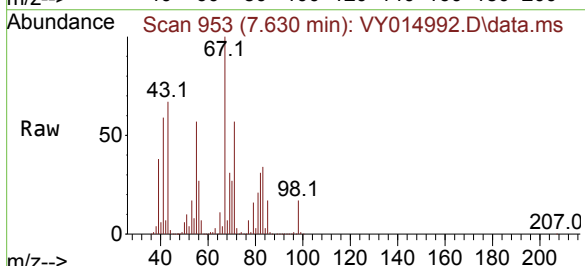
Acq: 08 Aug 2023 17:57

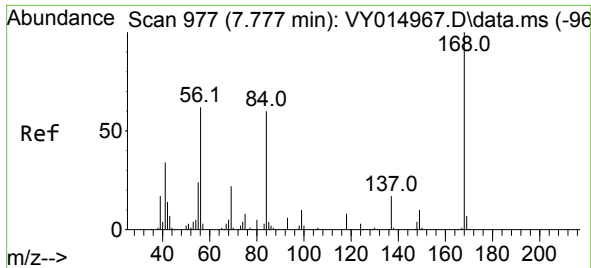
Tgt Ion: 83 Resp:13454181

Ion Ratio Lower Upper

83 100

85 43.0 49.7 74.5#

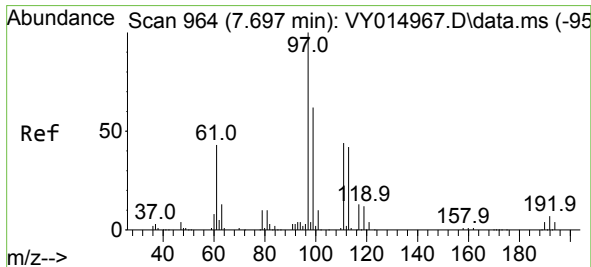
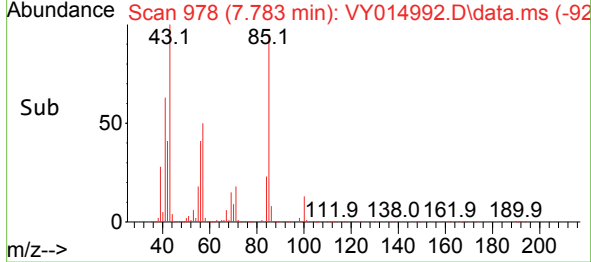
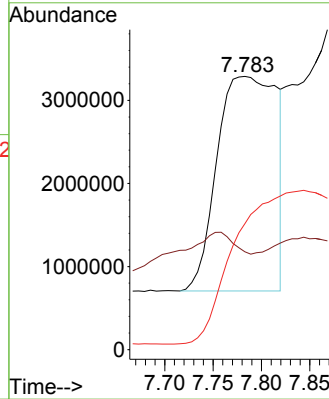
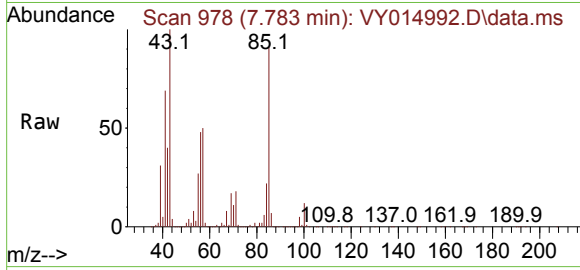




#31
Cyclohexane
Concen: 17494.808 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

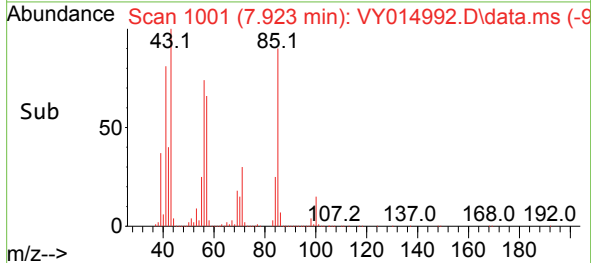
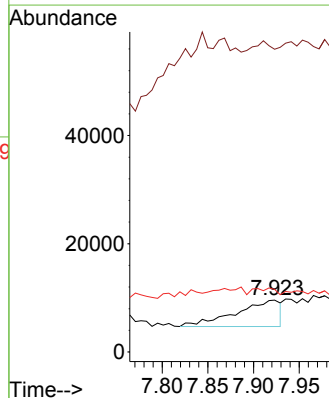
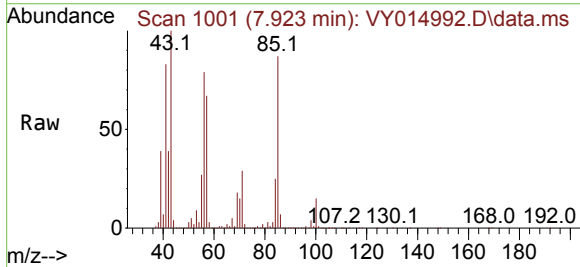
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

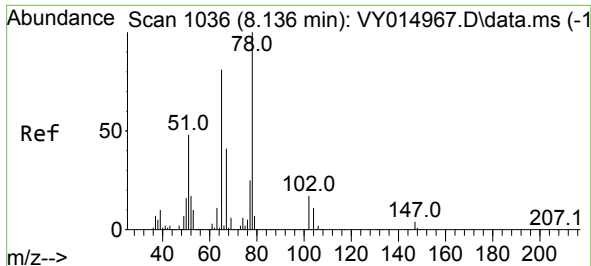
Tgt Ion: 56 Resp:11032236
Ion Ratio Lower Upper
56 100
69 0.0 27.8 41.6#
84 55.9 66.4 99.6#



#32
1,1,1-Trichloroethane
Concen: 18.346 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.226 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 97 Resp: 16518
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 0.0 35.1 52.7#





#33

1,2-Dichloroethane-d4

Concen: 26.931 ug/l

RT: 8.149 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

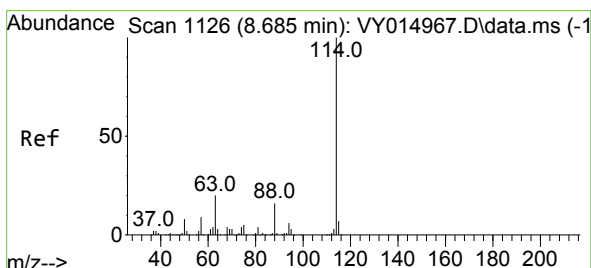
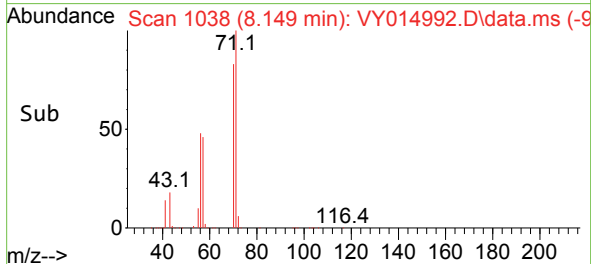
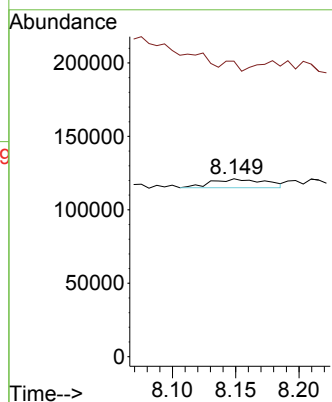
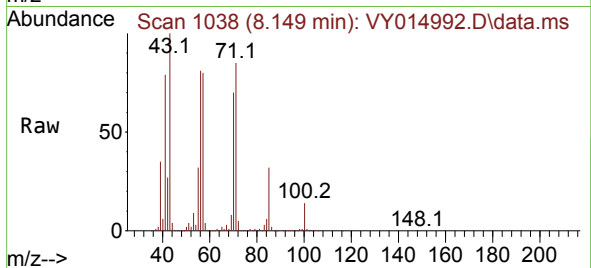
MW-09

Tgt Ion: 65 Resp: 17653

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.728 min Scan# 1133

Delta R.T. 0.043 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

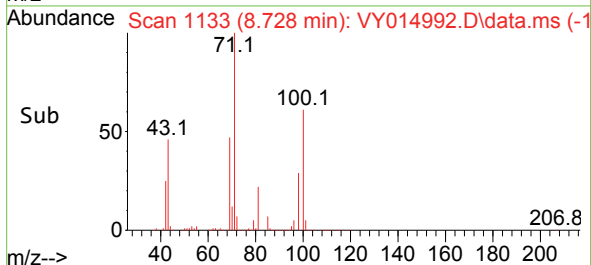
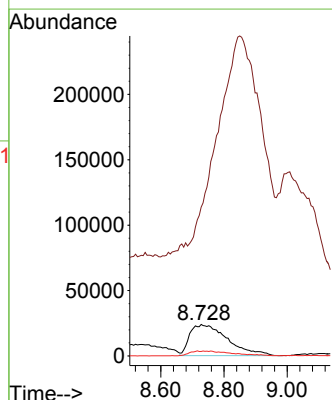
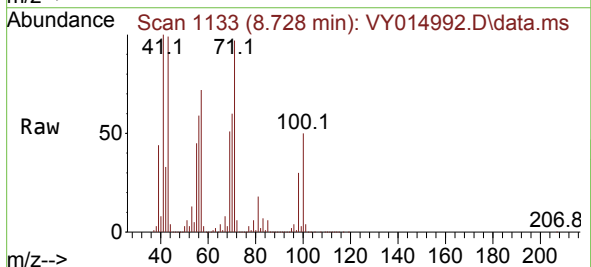
Tgt Ion: 114 Resp: 198829

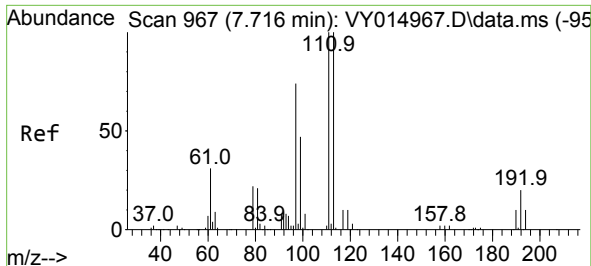
Ion Ratio Lower Upper

114 100

63 123.0 0.0 42.4#

88 13.1 0.0 30.6

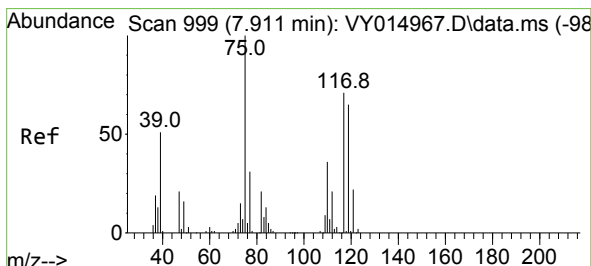
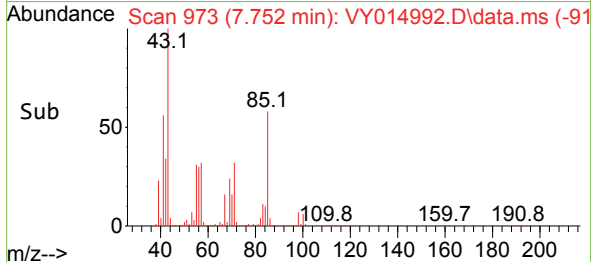
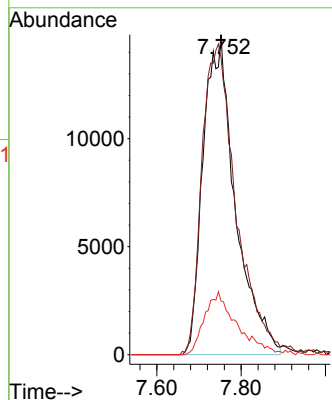
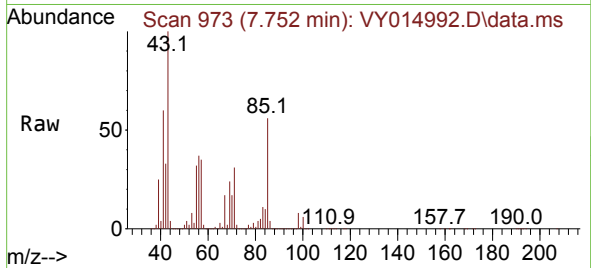




#35
Dibromofluoromethane
Concen: 61.589 ug/l
RT: 7.752 min Scan# 911
Delta R.T. 0.037 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

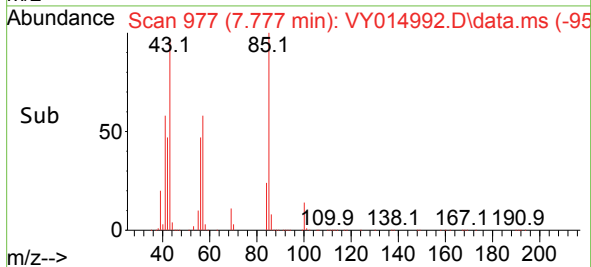
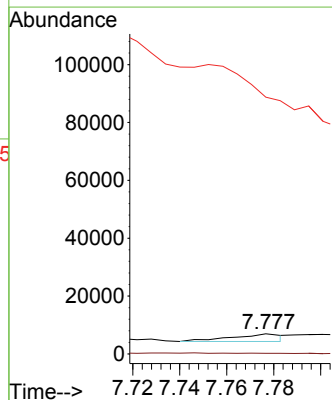
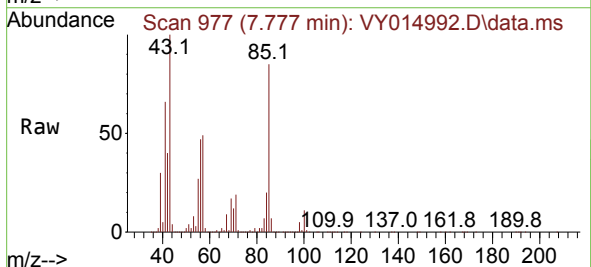
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

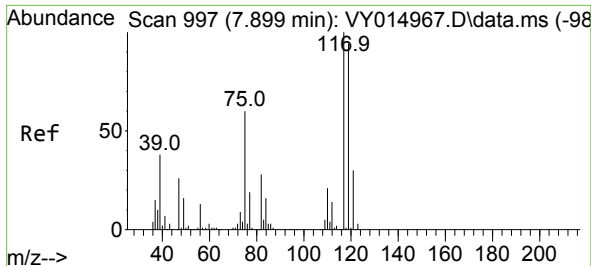
Tgt Ion:113 Resp: 78309
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 2.479 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 75 Resp: 3913
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

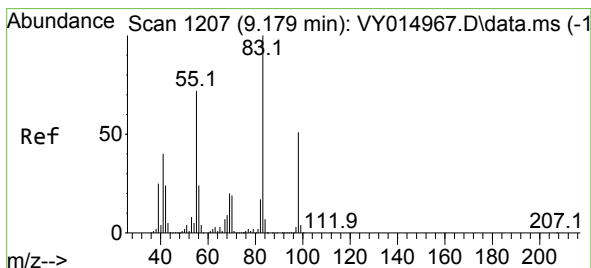
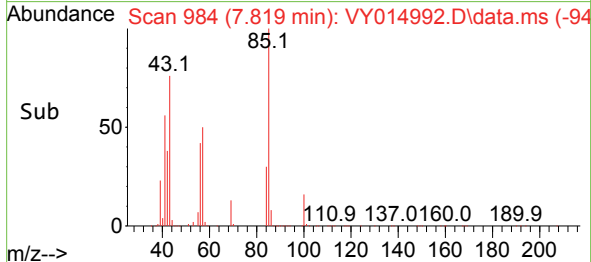
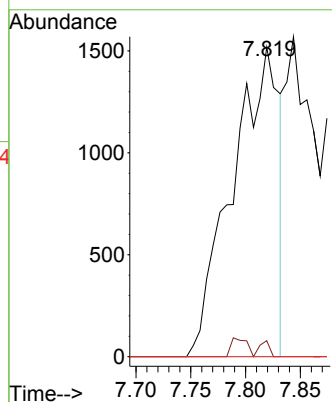
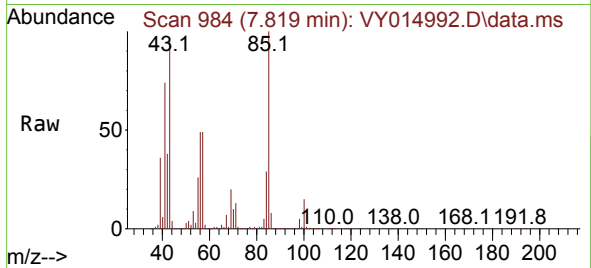




#38
Carbon Tetrachloride
Concen: 2.535 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.079 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

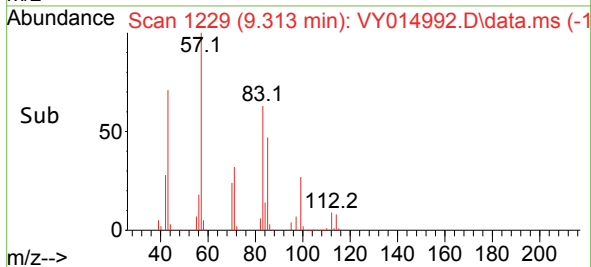
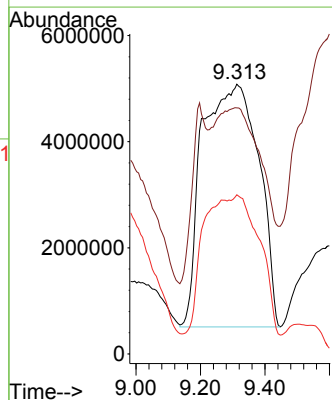
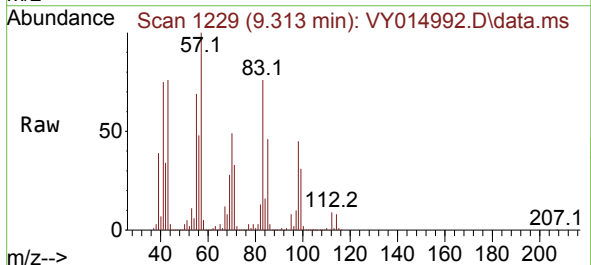
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

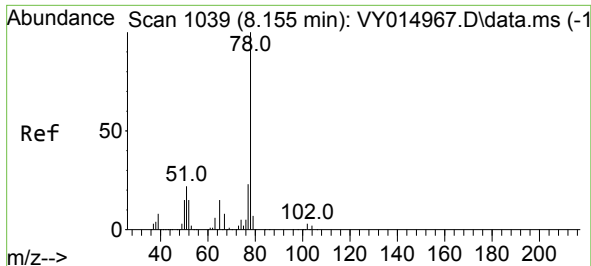
Tgt Ion:117 Resp: 4499
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 29578.907 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.134 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 83 Resp:55526433
Ion Ratio Lower Upper
83 100
55 72.4 63.0 94.4
98 57.8 37.4 56.2#

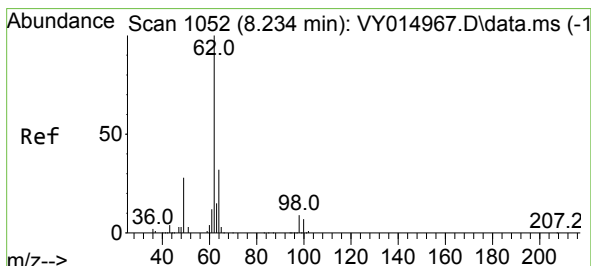
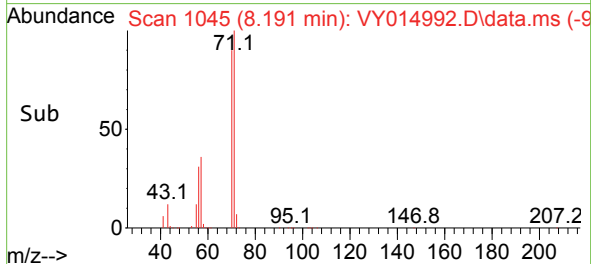
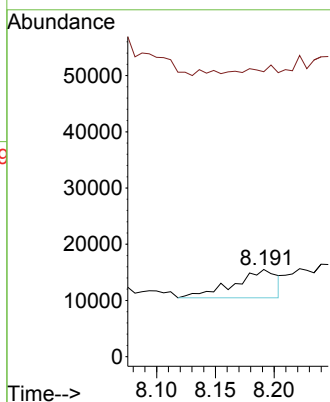
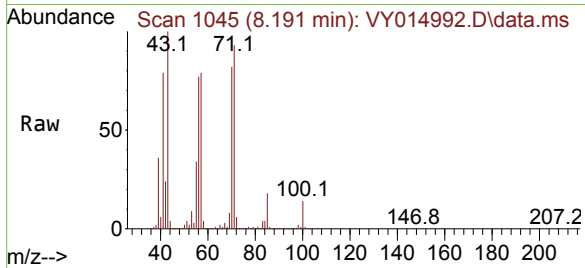




#40
Benzene
Concen: 2.733 ug/l
RT: 8.191 min Scan# 1045
Delta R.T. 0.037 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

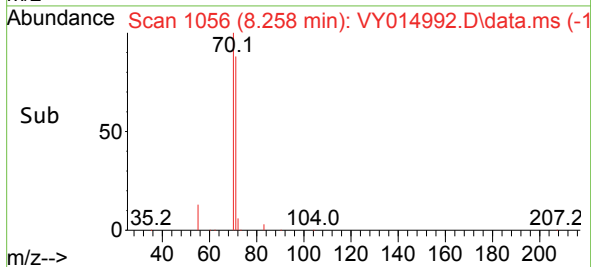
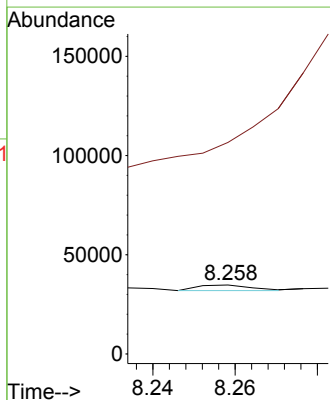
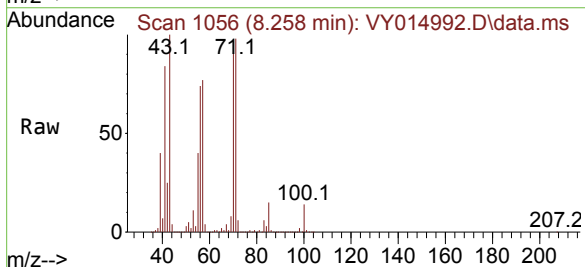
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

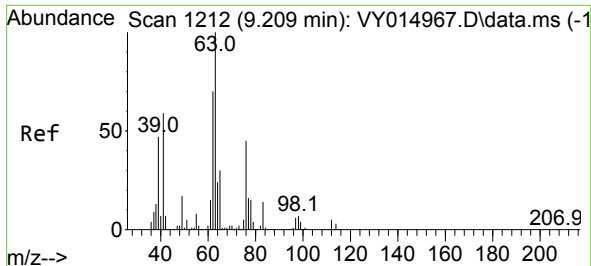
Tgt Ion: 78 Resp: 12703
Ion Ratio Lower Upper
78 100
77 3.2 19.0 28.6#



#42
1,2-Dichloroethane
Concen: 1.572 ug/l
RT: 8.258 min Scan# 1056
Delta R.T. 0.024 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 62 Resp: 2543
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8





#45

1,2-Dichloropropane

Concen: 102.142 ug/l

RT: 9.215 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

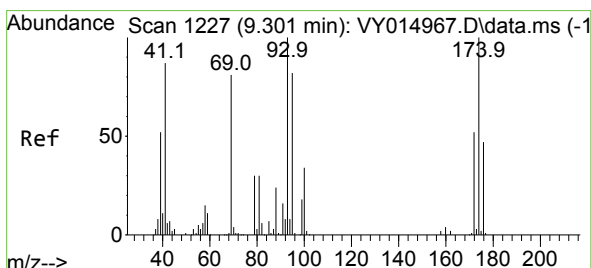
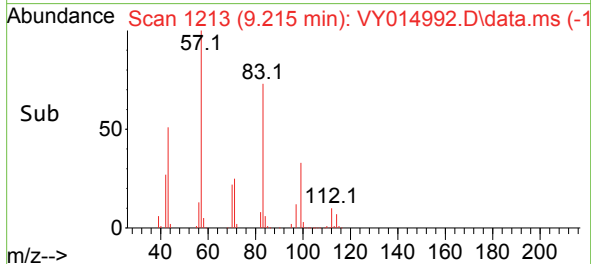
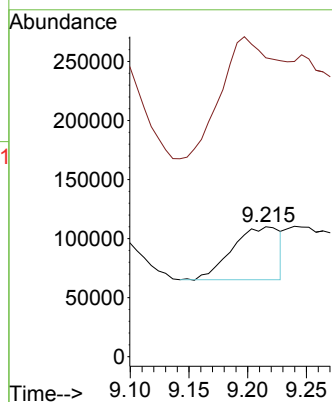
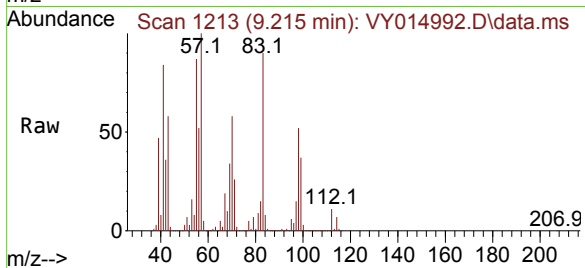
MW-09

Tgt Ion: 63 Resp: 126180

Ion Ratio Lower Upper

63 100

65 190.9 23.8 35.6#



#46

Dibromomethane

Concen: 84.335 ug/l

RT: 9.331 min Scan# 1232

Delta R.T. 0.030 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

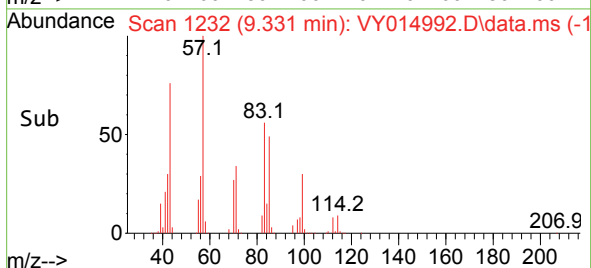
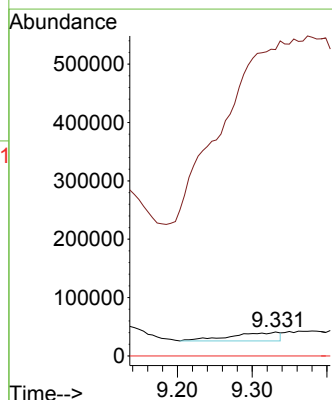
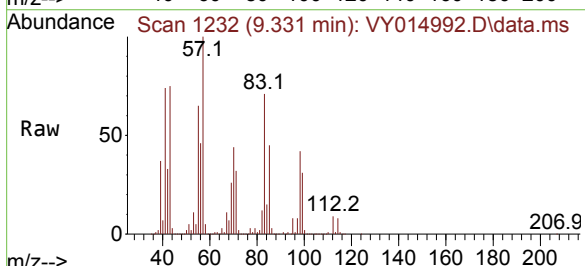
Tgt Ion: 93 Resp: 67114

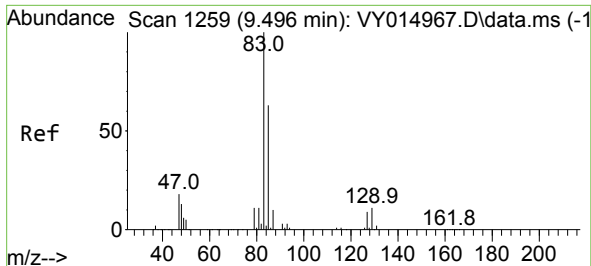
Ion Ratio Lower Upper

93 100

95 0.0 66.6 100.0#

174 0.0 84.8 127.2#

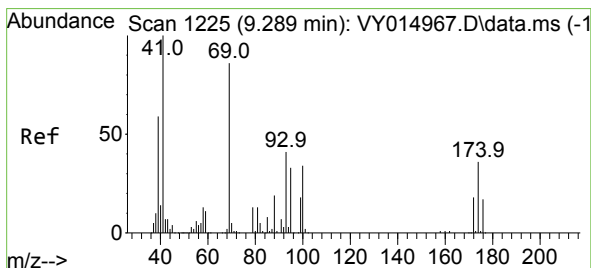
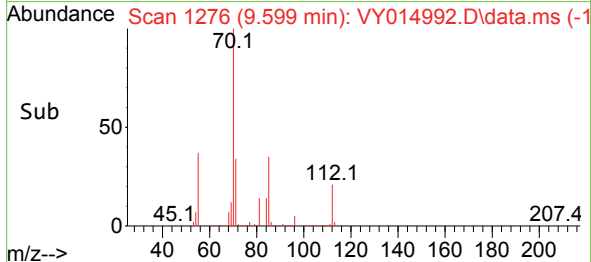
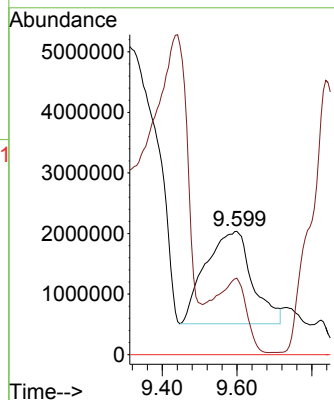
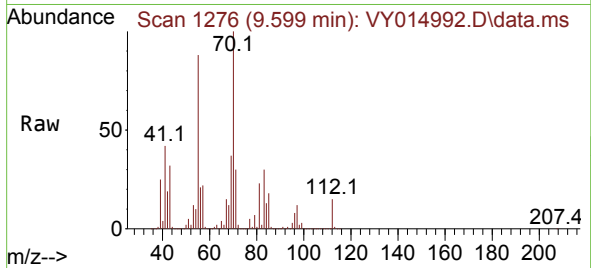




#47
 Bromodichloromethane
 Concen: 7244.521 ug/l
 RT: 9.599 min Scan# 1276
 Delta R.T. 0.104 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

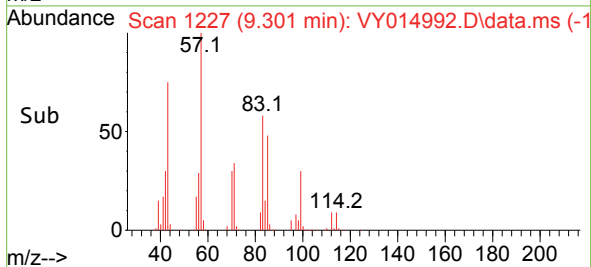
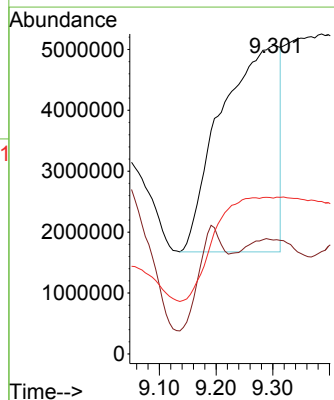
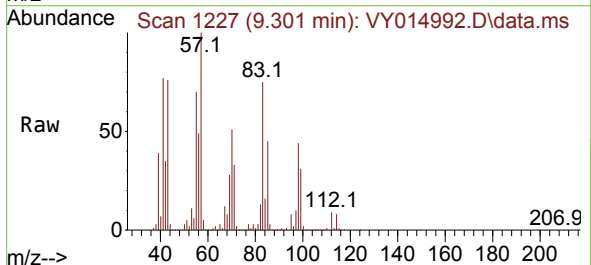
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

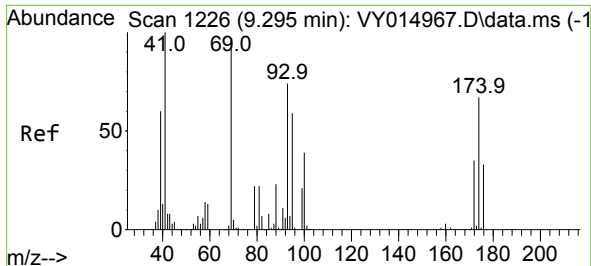
Tgt Ion: 83 Resp:13276139
 Ion Ratio Lower Upper
 83 100
 85 80.2 50.1 75.1#
 127 0.0 7.1 10.7#



#48
 Methyl methacrylate
 Concen: 23647.765 ug/l
 RT: 9.301 min Scan# 1227
 Delta R.T. 0.012 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Tgt Ion: 41 Resp:24153910
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.5 96.7#
 39 0.0 50.8 76.2#





#49

1,4-Dioxane

Concen: 14.187 ug/l

RT: 9.331 min Scan# 11

Delta R.T. 0.037 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

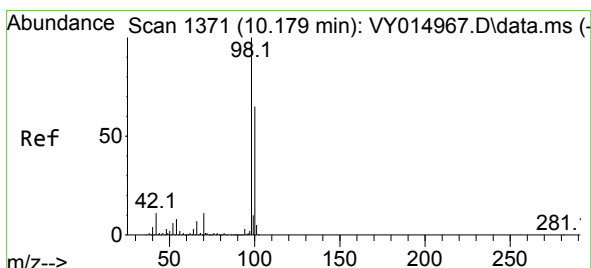
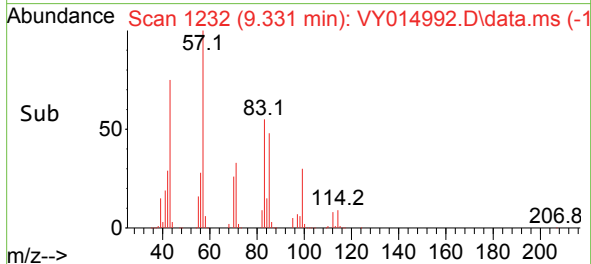
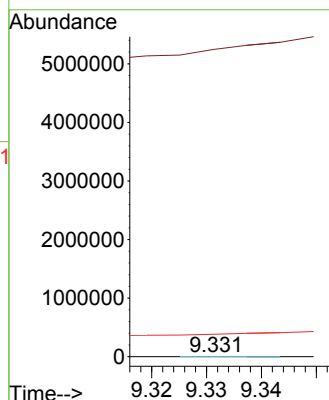
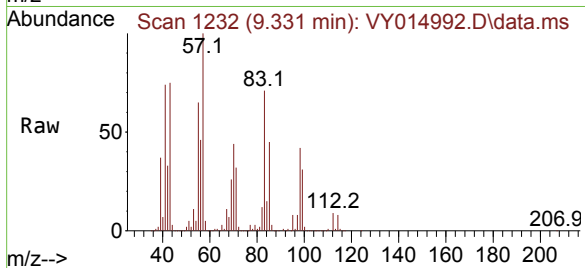
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 886.279 ug/l

RT: 10.288 min Scan# 1389

Delta R.T. 0.110 min

Lab File: VY014992.D

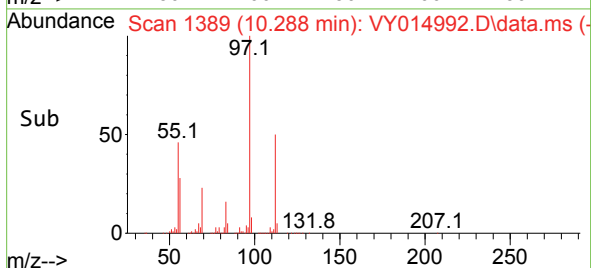
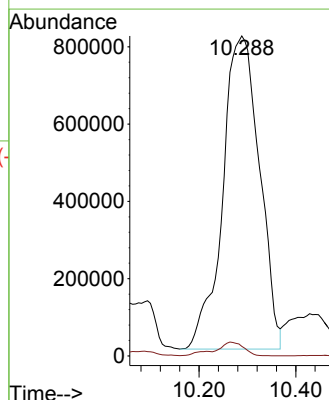
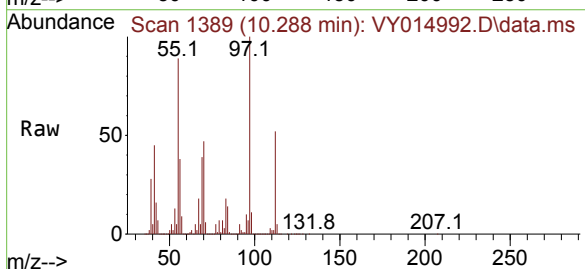
Acq: 08 Aug 2023 17:57

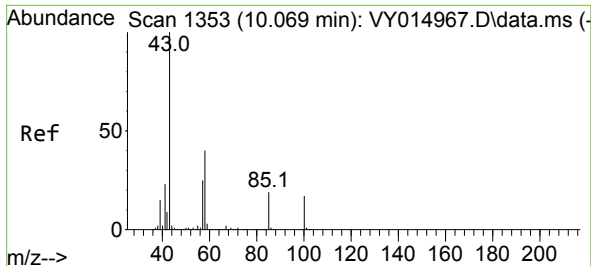
Tgt Ion: 98 Resp: 4289158

Ion Ratio Lower Upper

98 100

100 0.0 50.1 75.1#

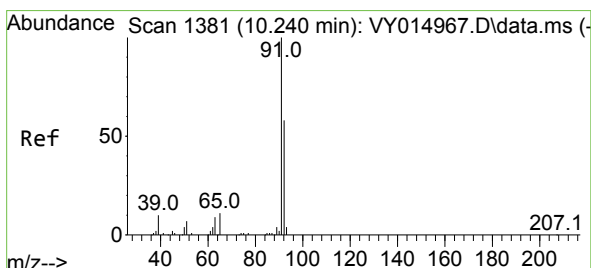
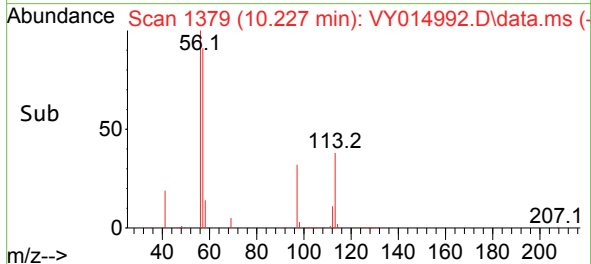
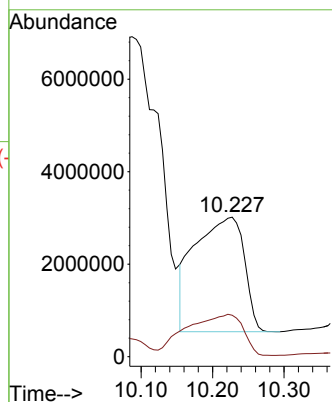
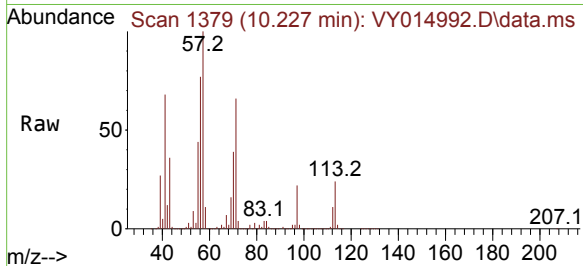




#51
4-Methyl-2-Pentanone
Concen: 9087.560 ug/l
RT: 10.227 min Scan# 1379
Delta R.T. 0.159 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

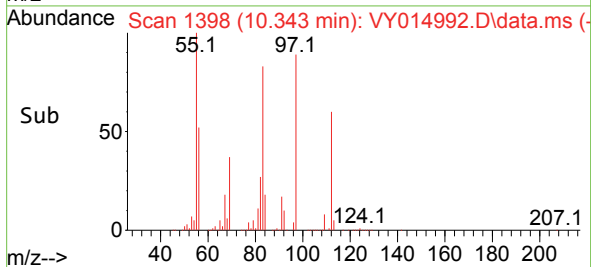
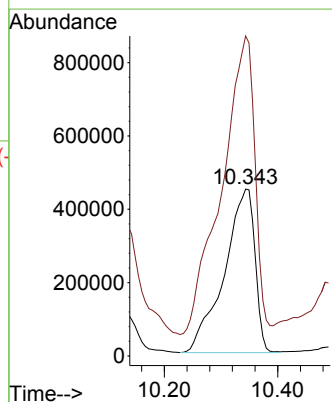
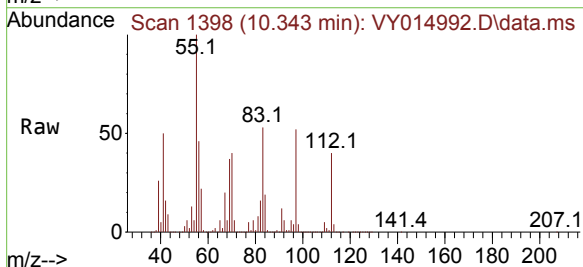
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

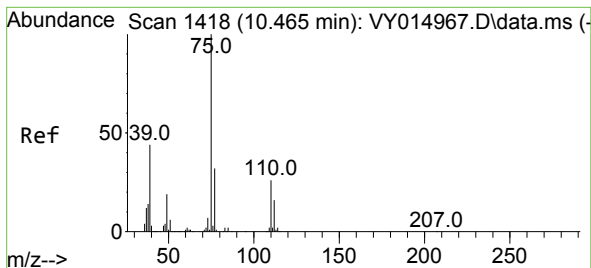
Tgt Ion: 43 Resp:11921915
Ion Ratio Lower Upper
43 100
58 40.9 29.0 43.6



#52
Toluene
Concen: 561.857 ug/l
RT: 10.343 min Scan# 1398
Delta R.T. 0.104 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 92 Resp: 1680629
Ion Ratio Lower Upper
92 100
91 197.1 143.8 215.6

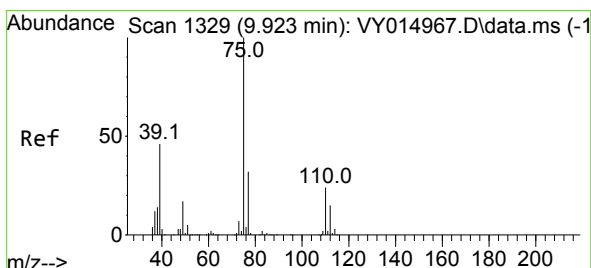
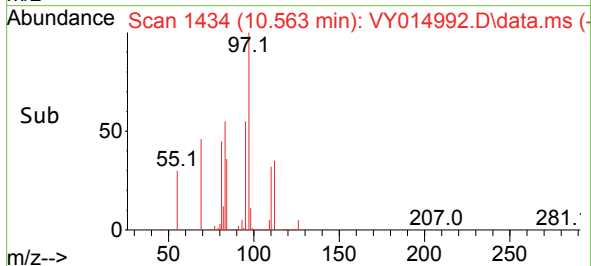
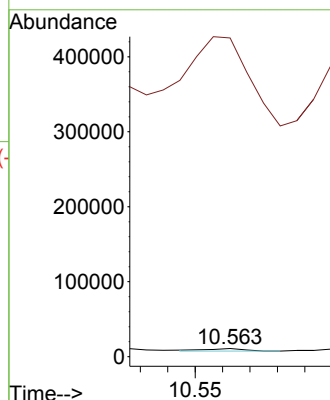
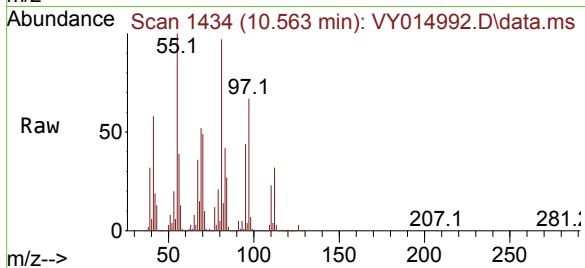




#53
t-1,3-Dichloropropene
Concen: 1.600 ug/l
RT: 10.563 min Scan# 1418
Delta R.T. 0.098 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

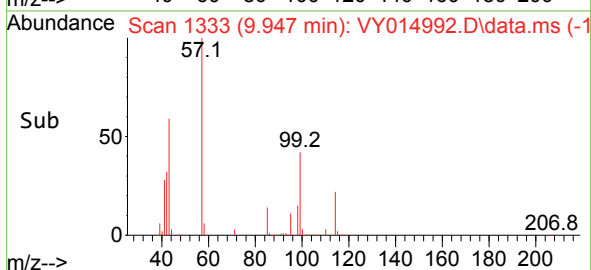
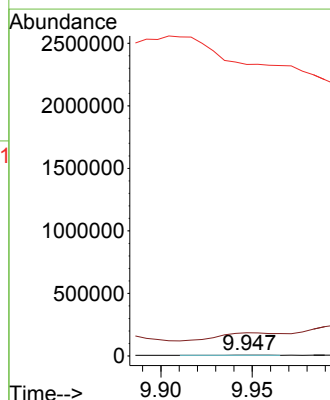
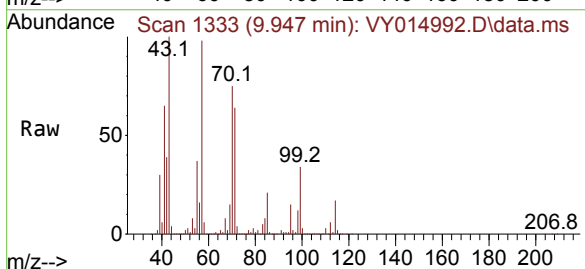
Instrument : MSVOA_Y
ClientSampleId : MW-09

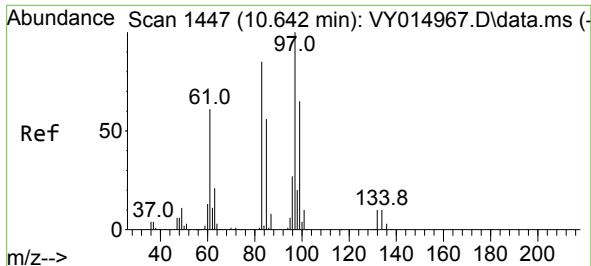
Tgt Ion: 75 Resp: 3053
Ion Ratio Lower Upper
75 100
77 3582.4 25.0 37.4#



#54
cis-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 9.947 min Scan# 1333
Delta R.T. 0.024 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 75 Resp: 3605
Ion Ratio Lower Upper
75 100
77 2938.6 24.2 36.4#
39 417.0 42.2 63.4#

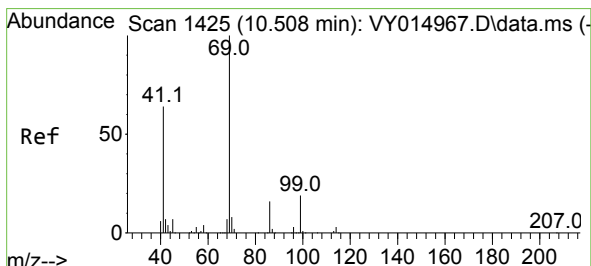
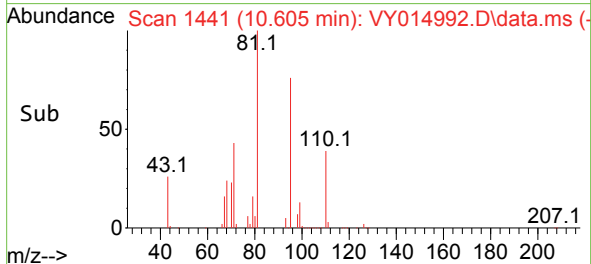
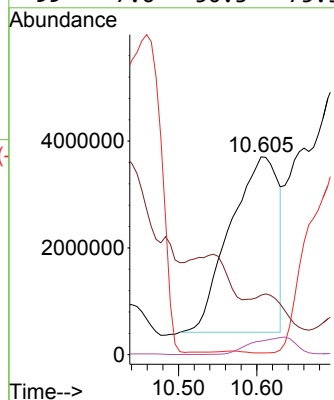
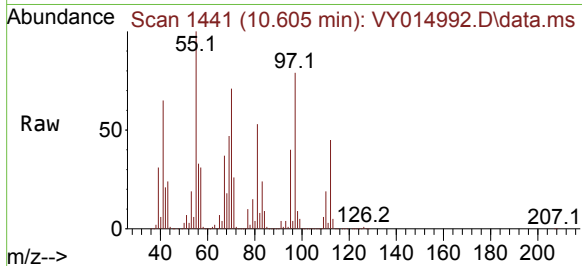




#55
1,1,2-Trichloroethane
Concen: 12126.334 ug/l
RT: 10.605 min Scan# 1441
Delta R.T. -0.037 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

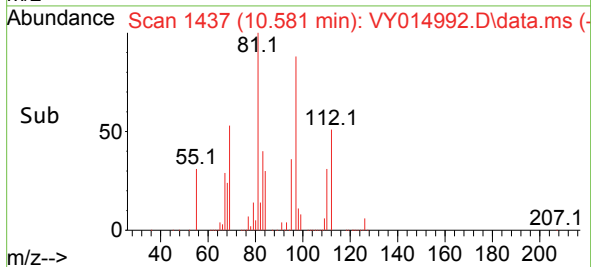
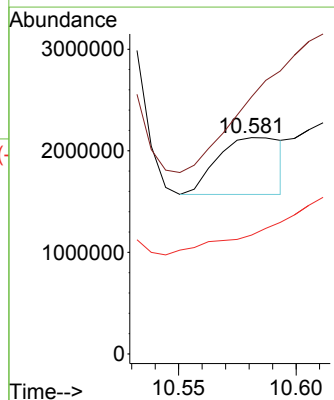
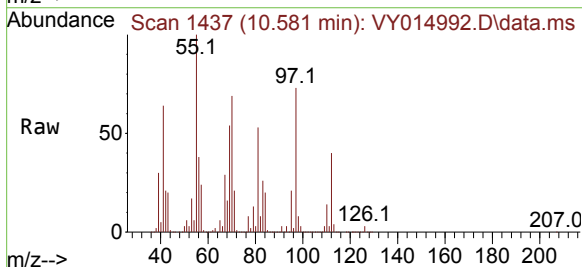
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

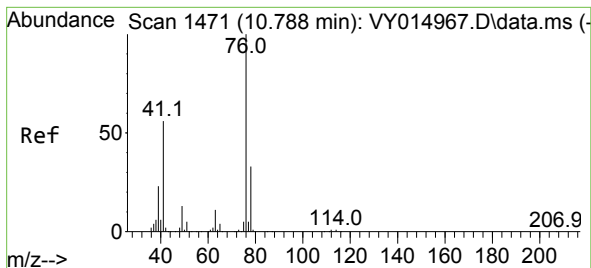
Tgt Ion: 97 Resp:14025664
Ion Ratio Lower Upper
97 100
83 5.0 72.0 108.0#
85 0.0 45.4 68.0#
99 7.6 50.3 75.5#



#56
Ethyl methacrylate
Concen: 643.989 ug/l
RT: 10.581 min Scan# 1437
Delta R.T. 0.073 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 69 Resp: 1066552
Ion Ratio Lower Upper
69 100
41 0.0 57.6 86.4#
39 0.0 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 1.069 ug/l

RT: 10.825 min Scan# 1471

Delta R.T. 0.037 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

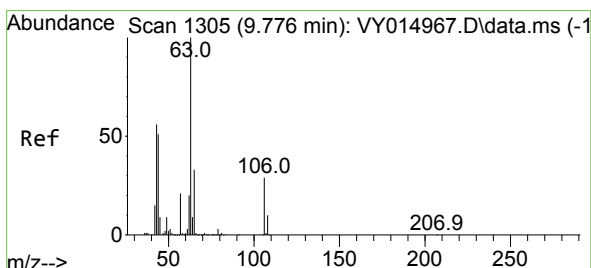
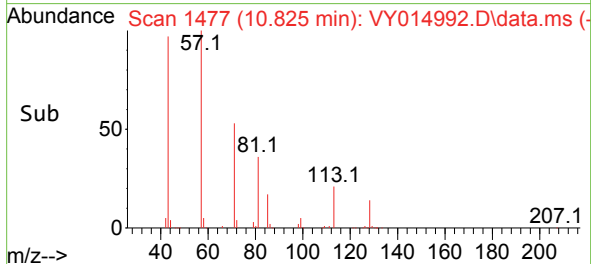
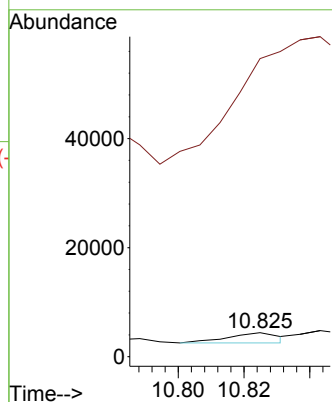
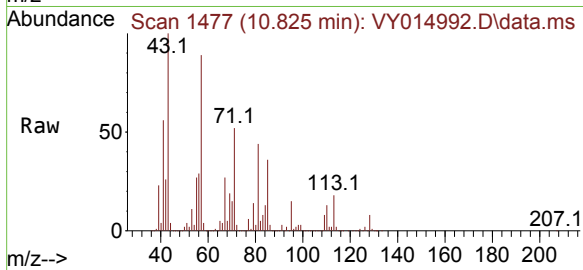
MW-09

Tgt Ion: 76 Resp: 2045

Ion Ratio Lower Upper

76 100

78 3013.6 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 181.672 ug/l

RT: 9.837 min Scan# 1315

Delta R.T. 0.061 min

Lab File: VY014992.D

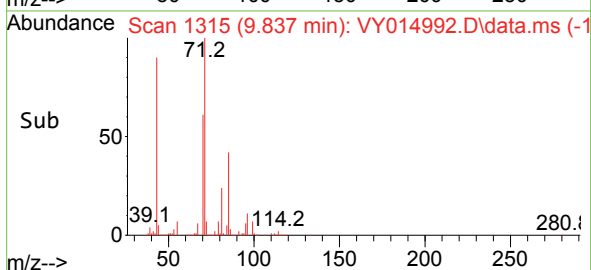
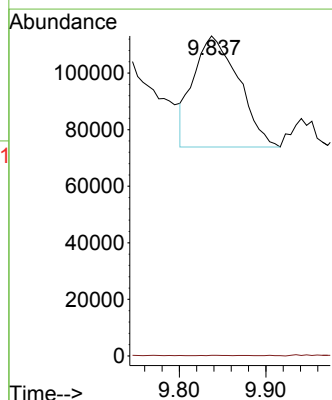
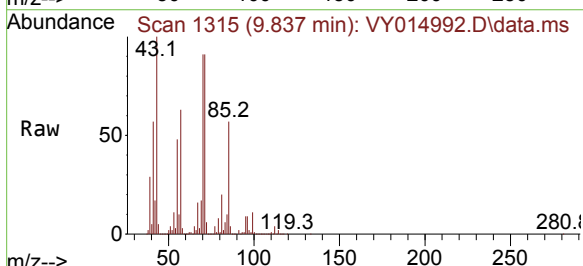
Acq: 08 Aug 2023 17:57

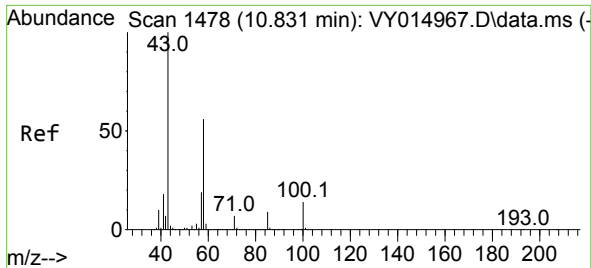
Tgt Ion: 63 Resp: 142266

Ion Ratio Lower Upper

63 100

106 0.2 21.2 31.8#

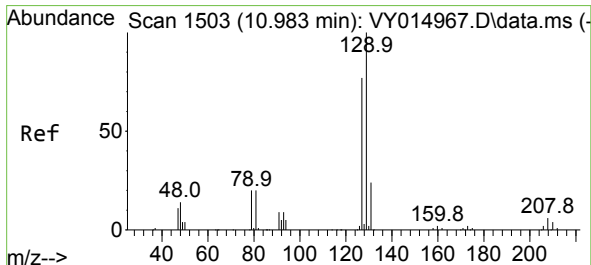
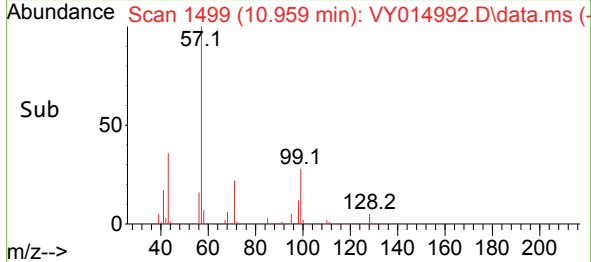
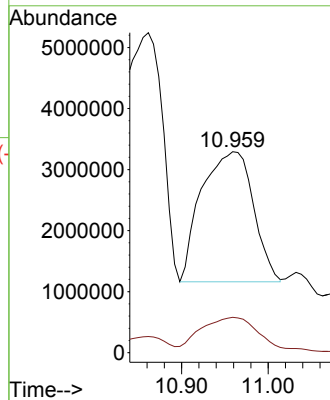
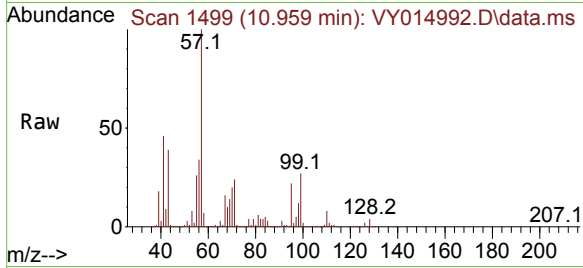




#59
2-Hexanone
Concen: 9142.380 ug/l
RT: 10.959 min Scan# 1478
Delta R.T. 0.128 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

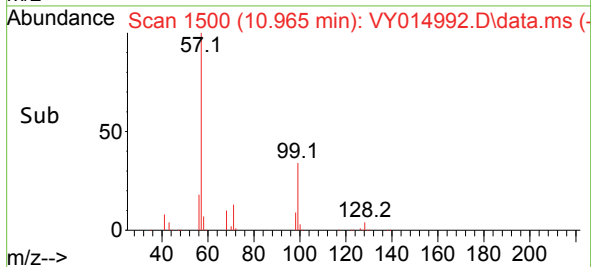
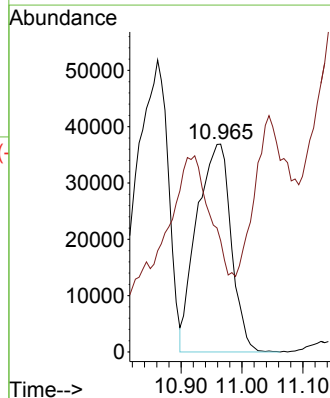
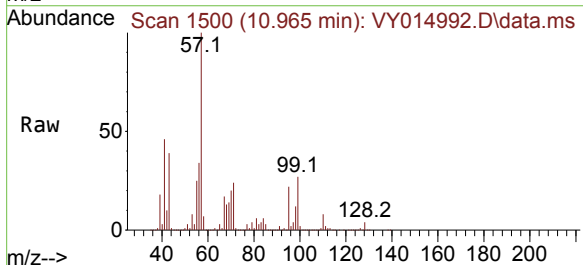
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

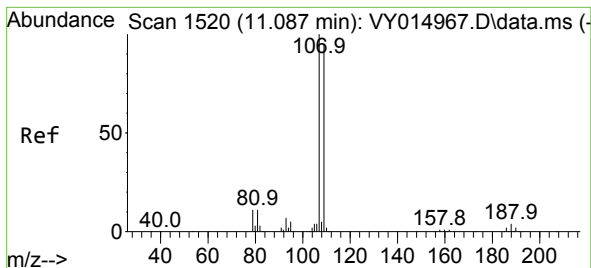
Tgt Ion: 43 Resp: 8860041
Ion Ratio Lower Upper
43 100
58 29.7 25.1 75.3



#60
Dibromochloromethane
Concen: 104.922 ug/l
RT: 10.965 min Scan# 1500
Delta R.T. -0.018 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion:129 Resp: 144498
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

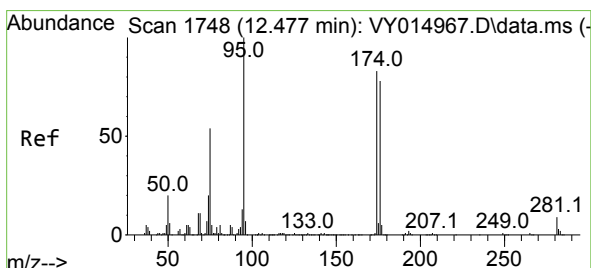
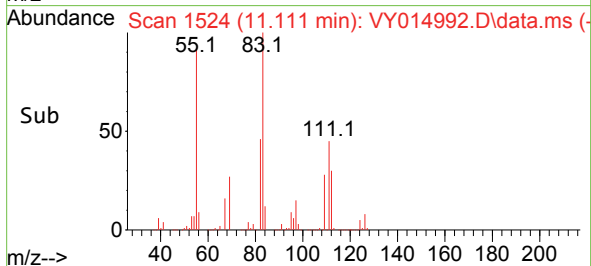
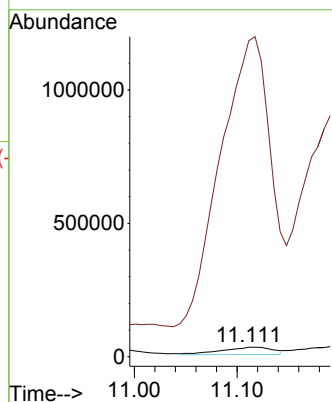
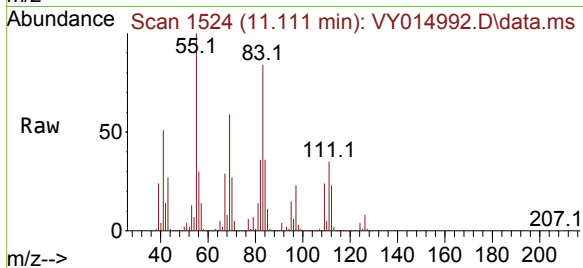




#61
1,2-Dibromoethane
Concen: 88.207 ug/l
RT: 11.111 min Scan# 1111
Delta R.T. 0.024 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

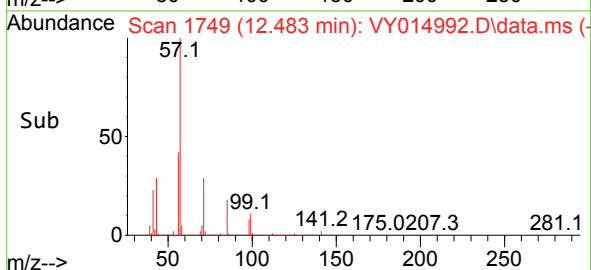
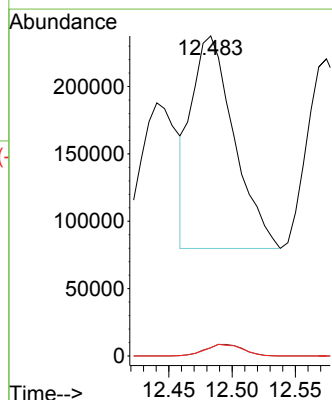
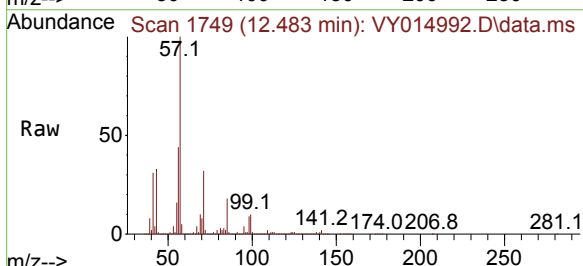
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

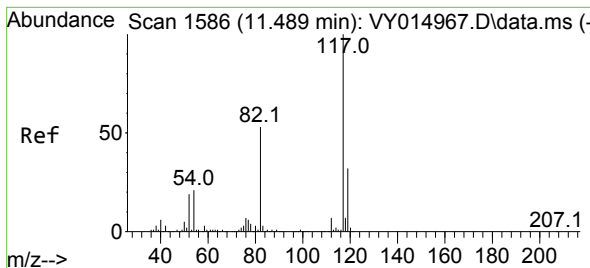
Tgt Ion:107 Resp: 97381
Ion Ratio Lower Upper
107 100
109 3870.1 75.6 113.4#



#62
4-Bromofluorobenzene
Concen: 215.567 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 95 Resp: 369743
Ion Ratio Lower Upper
95 100
174 4.8 0.0 178.2
176 4.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.538 min Scan# 11

Delta R.T. 0.049 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

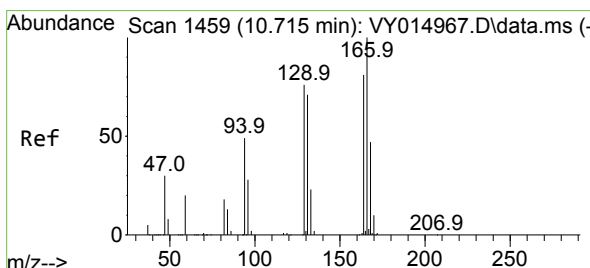
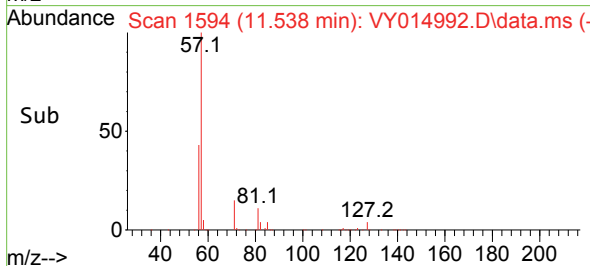
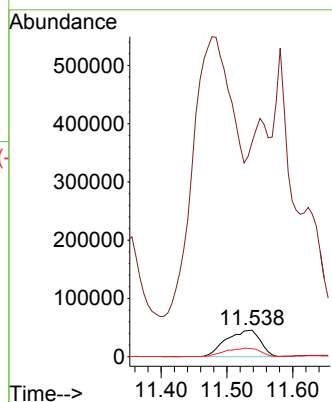
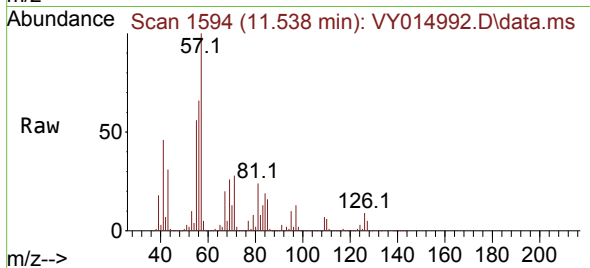
Tgt Ion:117 Resp: 163273

Ion Ratio Lower Upper

117 100

82 490.3 43.4 65.0#

119 29.7 26.3 39.5



#64

Tetrachloroethene

Concen: 1.717 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.073 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Tgt Ion:164 Resp: 2109

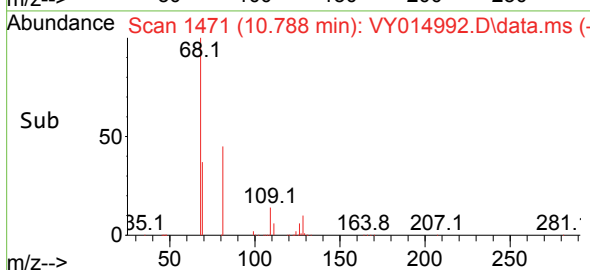
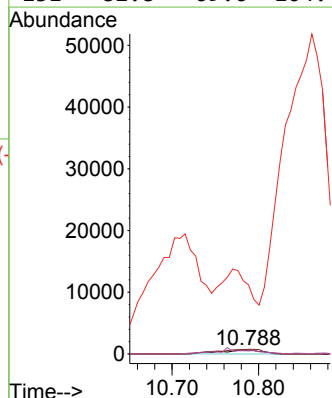
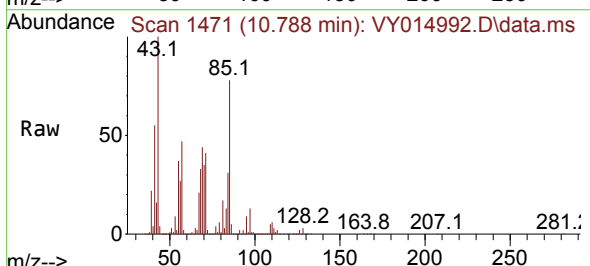
Ion Ratio Lower Upper

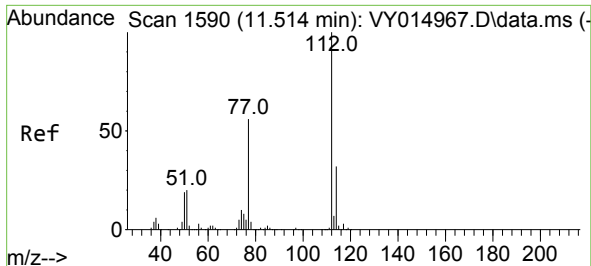
164 100

166 121.3 103.0 154.6

129 0.0 77.2 115.8#

131 82.8 69.6 104.4

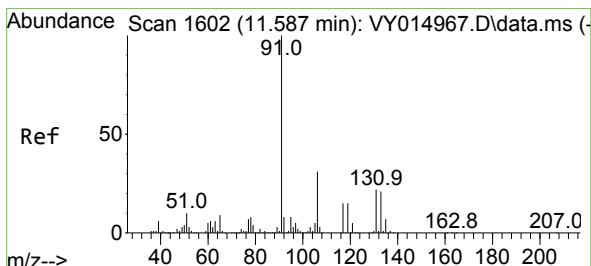
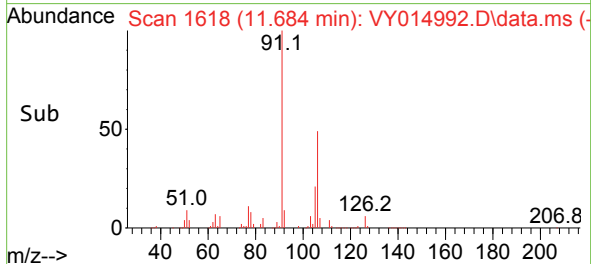
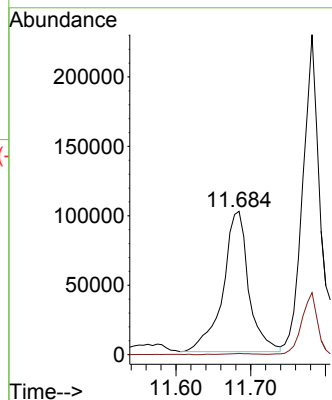
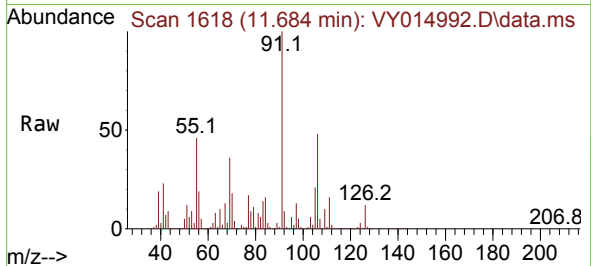




#65
Chlorobenzene
Concen: 78.086 ug/l
RT: 11.684 min Scan# 1618
Delta R.T. 0.171 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

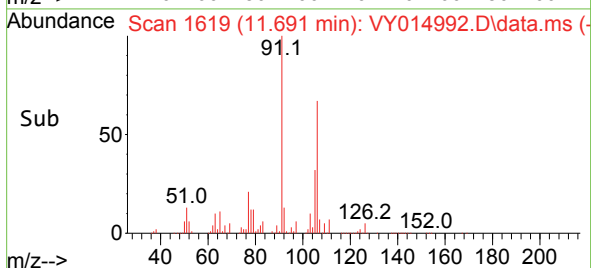
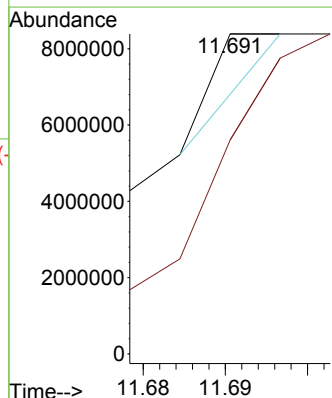
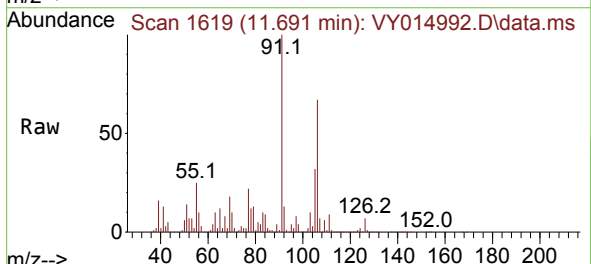
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

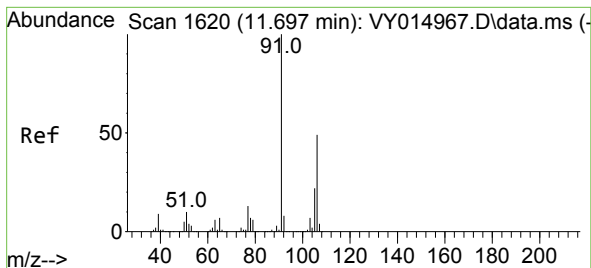
Tgt Ion:112 Resp: 241920
Ion Ratio Lower Upper
112 100
114 0.7 25.5 38.3#



#67
Ethyl Benzene
Concen: 276.618 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. 0.104 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 91 Resp: 1504008
Ion Ratio Lower Upper
91 100
106 98.4 24.6 36.8#

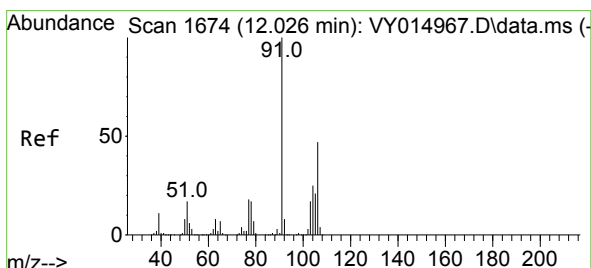
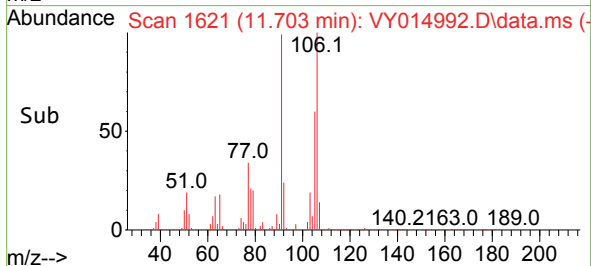
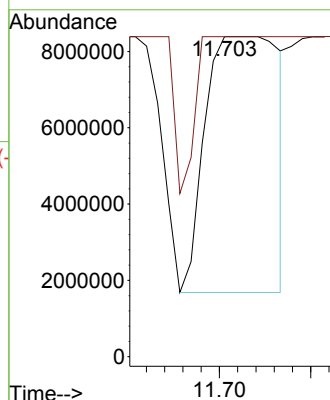
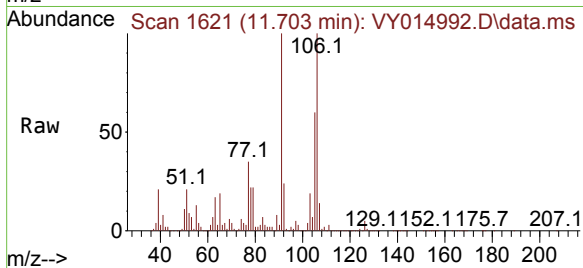




#68
m/p-Xylenes
Concen: 8889.838 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

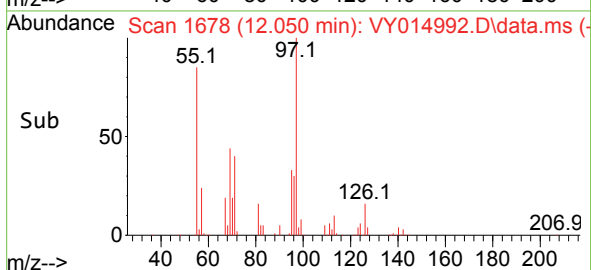
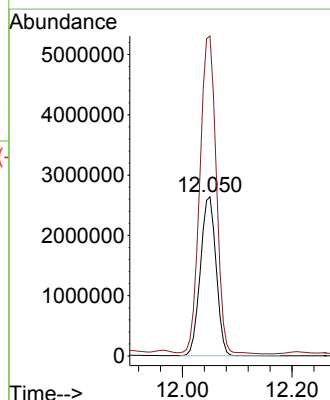
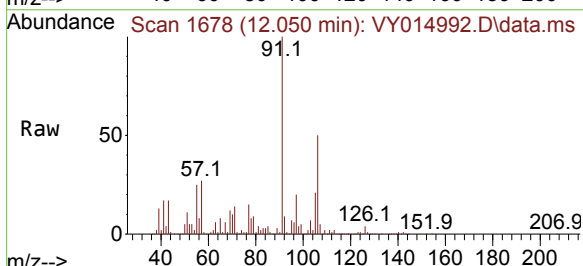
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

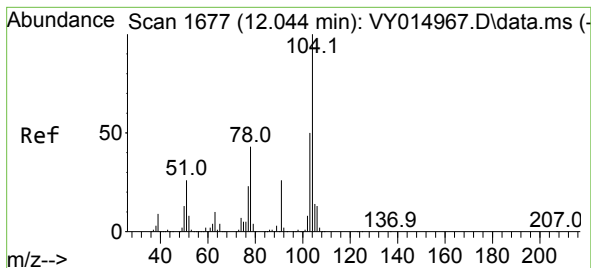
Tgt Ion:106 Resp:18490541
Ion Ratio Lower Upper
106 100
91 8.1 166.1 249.1#



#69
o-Xylene
Concen: 2581.028 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.024 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion:106 Resp: 5253073
Ion Ratio Lower Upper
106 100
91 209.0 108.1 324.3





#70

Styrene

Concen: 73.188 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

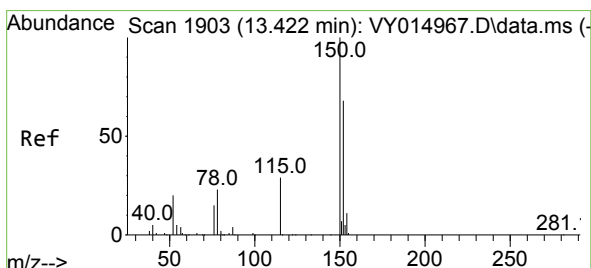
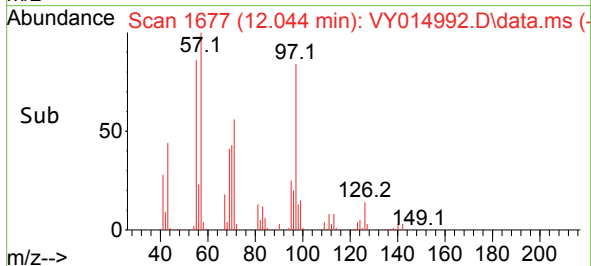
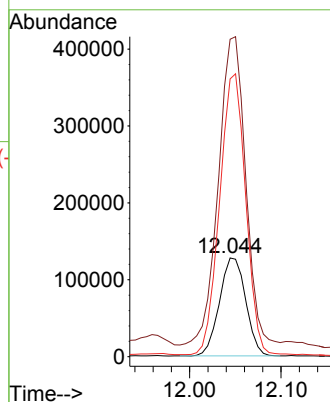
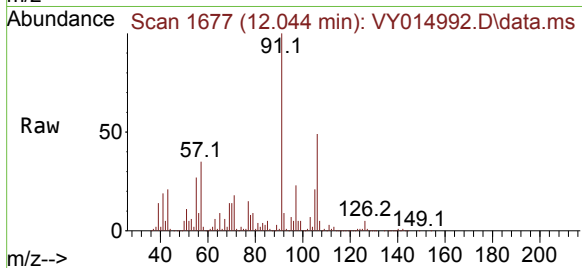
Tgt Ion:104 Resp: 254565

Ion Ratio Lower Upper

104 100

78 325.2 41.5 62.3#

103 287.0 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

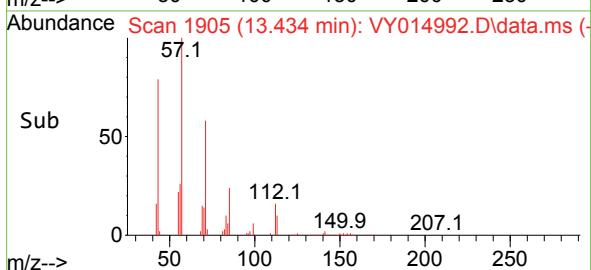
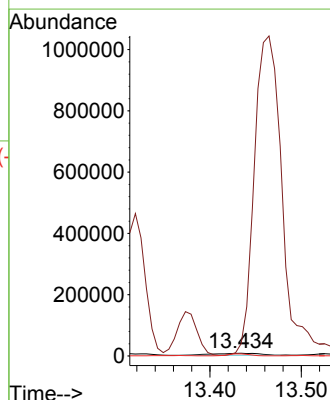
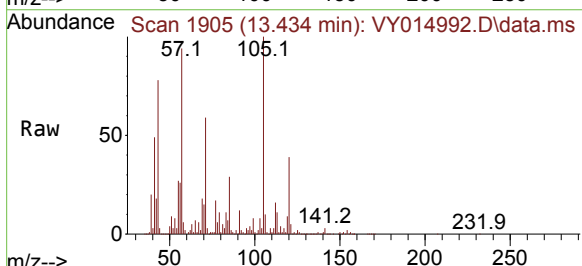
Tgt Ion:152 Resp: 24349

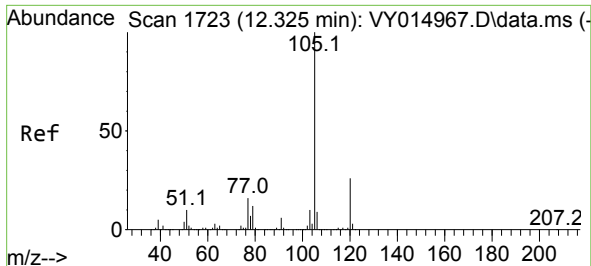
Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 47.3 0.0 348.8

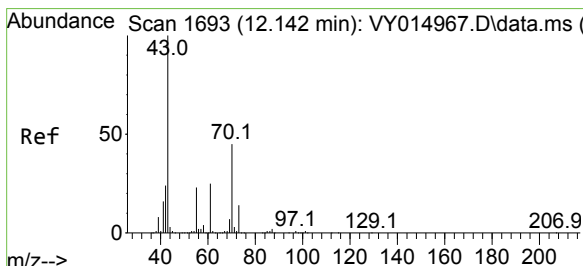
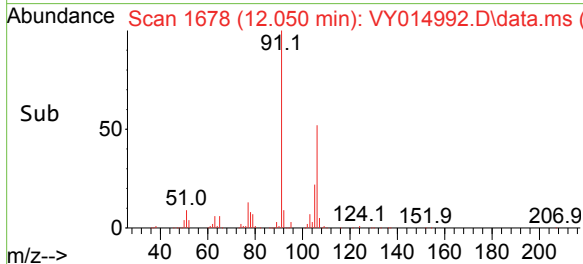
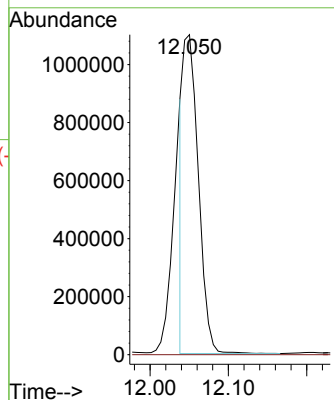
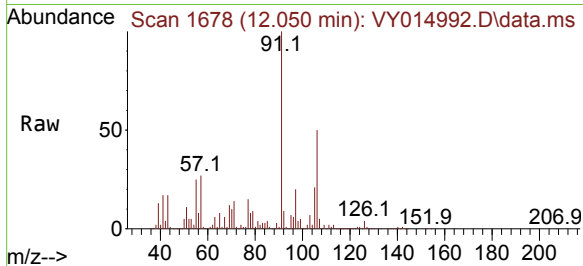




#73
Isopropylbenzene
Concen: 911.924 ug/l
RT: 12.050 min Scan# 1
Delta R.T. -0.274 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

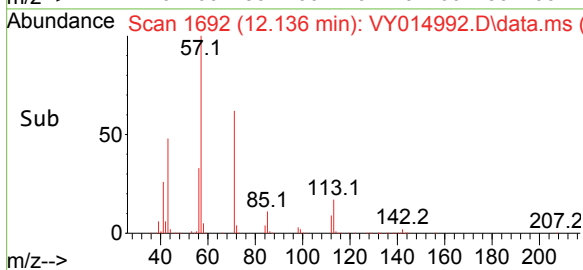
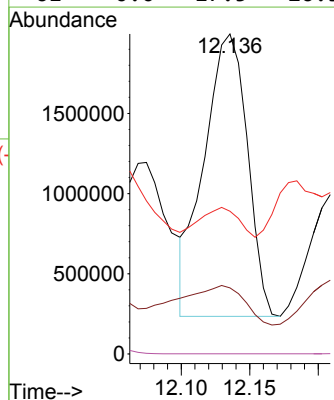
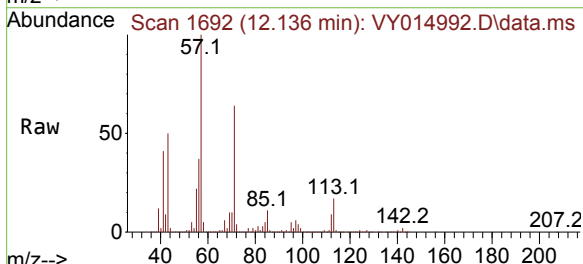
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

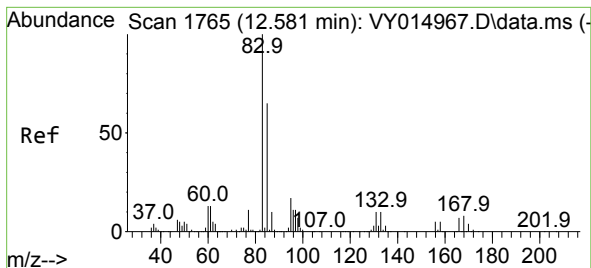
Tgt Ion:105 Resp: 1492622
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#



#74
N-ethyl acetate
Concen: 6906.306 ug/l
RT: 12.136 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 43 Resp: 3862180
Ion Ratio Lower Upper
43 100
70 21.6 29.7 44.5#
55 8.6 18.3 27.5#
61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 950.995 ug/l

RT: 12.544 min Scan# 1759

Delta R.T. -0.037 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

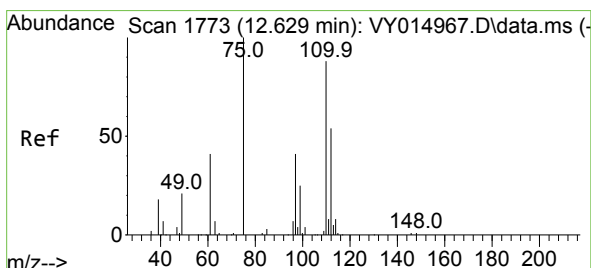
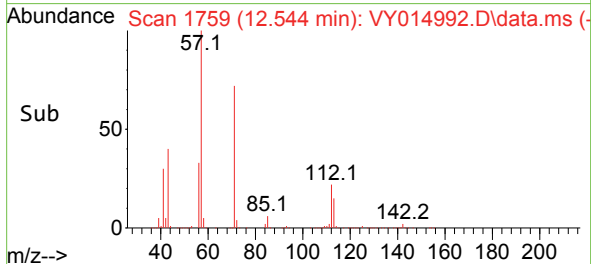
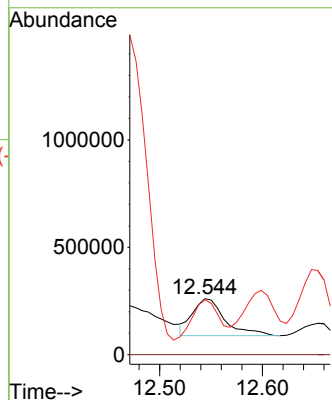
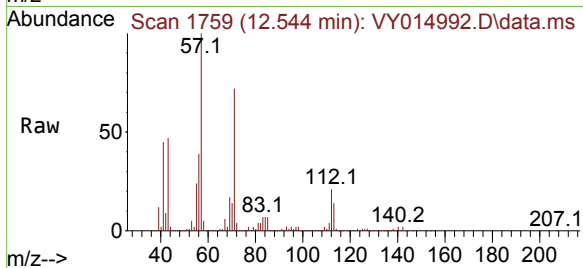
Tgt Ion: 83 Resp: 380392

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 91.2 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 2414.949 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.055 min

Lab File: VY014992.D

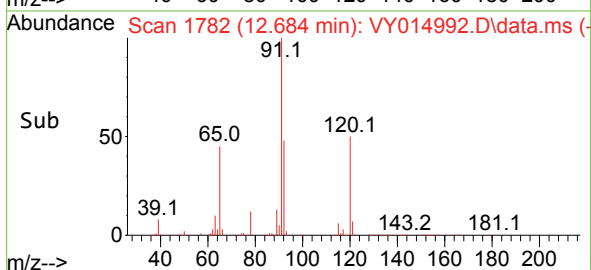
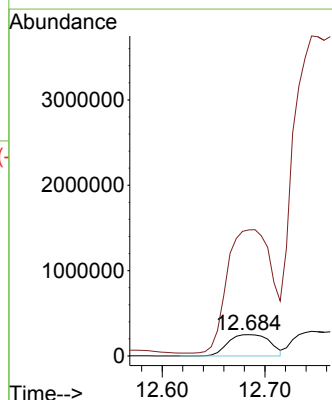
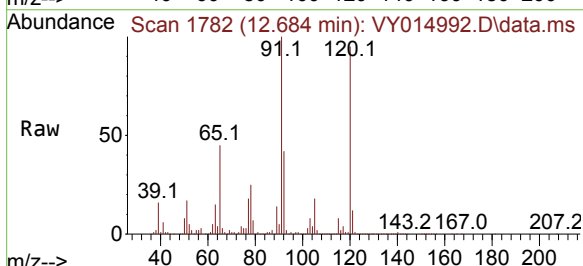
Acq: 08 Aug 2023 17:57

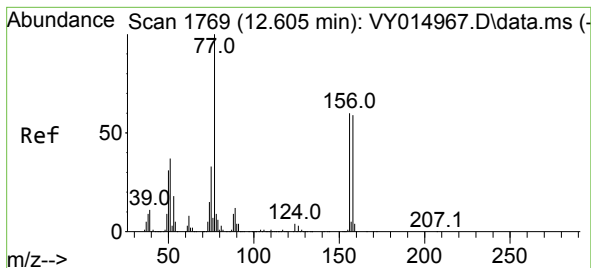
Tgt Ion: 75 Resp: 704582

Ion Ratio Lower Upper

75 100

77 618.5 0.0 0.0#





#77

Bromobenzene

Concen: 27.794 ug/l

RT: 12.599 min Scan# 1768

Delta R.T. -0.006 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

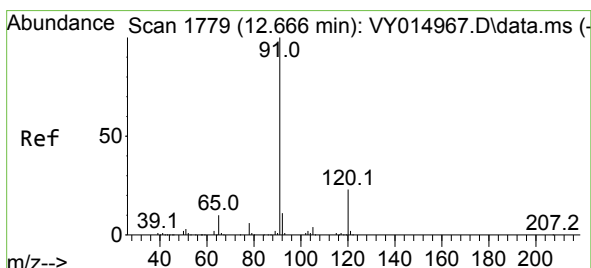
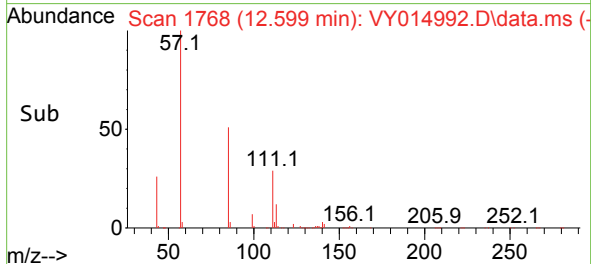
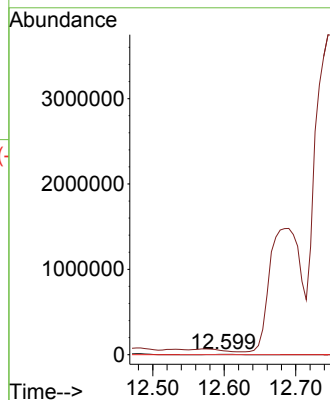
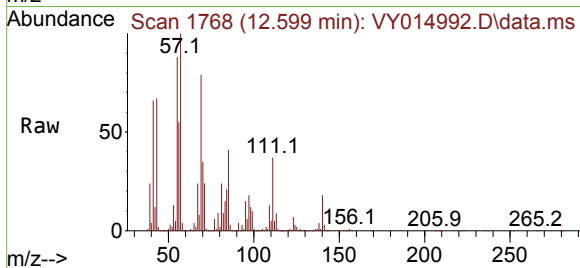
Tgt Ion:156 Resp: 11035

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.0 48.4 145.3#



#78

n-propylbenzene

Concen: 905.990 ug/l

RT: 12.745 min Scan# 1792

Delta R.T. 0.079 min

Lab File: VY014992.D

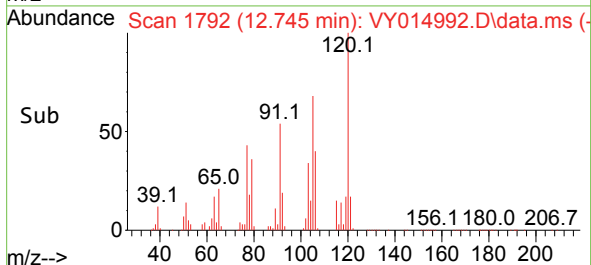
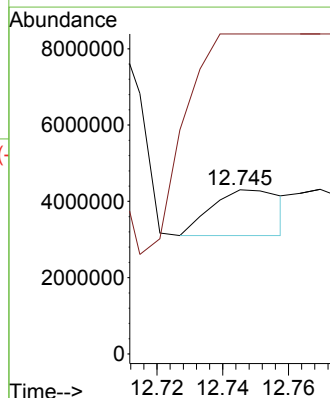
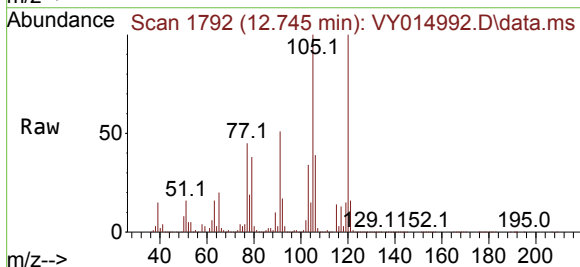
Acq: 08 Aug 2023 17:57

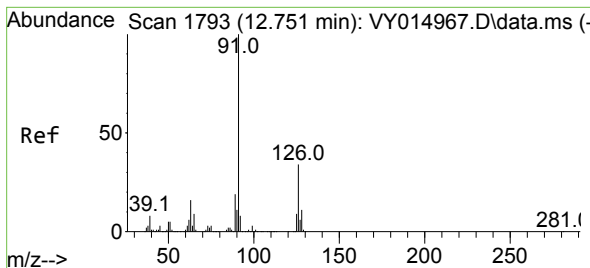
Tgt Ion: 91 Resp: 1773633

Ion Ratio Lower Upper

91 100

120 159.0 11.5 34.4#

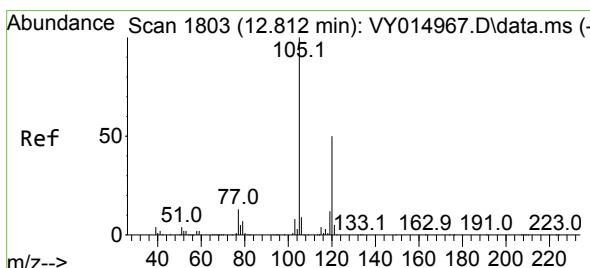
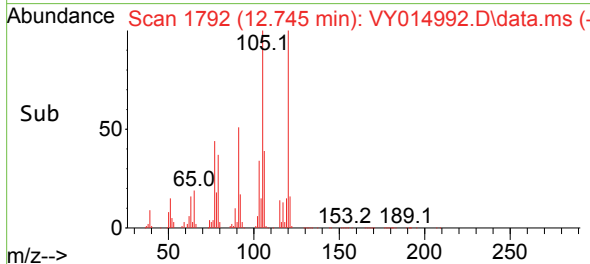
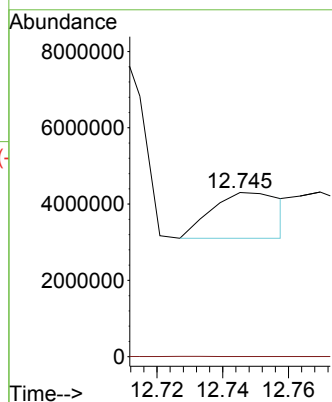
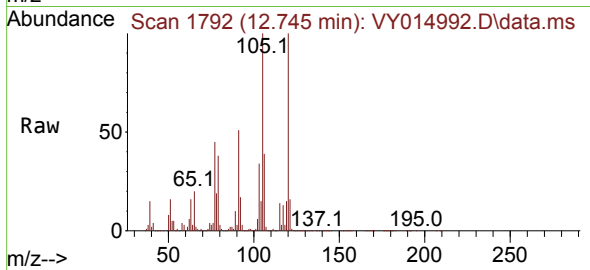




#79
2-Chlorotoluene
Concen: 1589.675 ug/l
RT: 12.745 min Scan# 1789
Delta R.T. -0.006 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

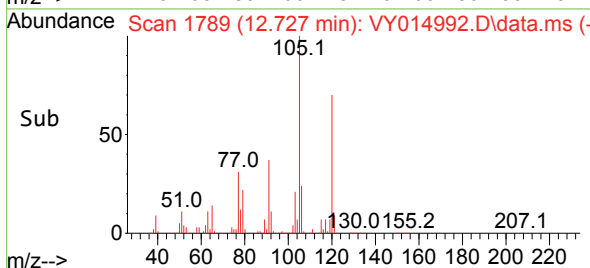
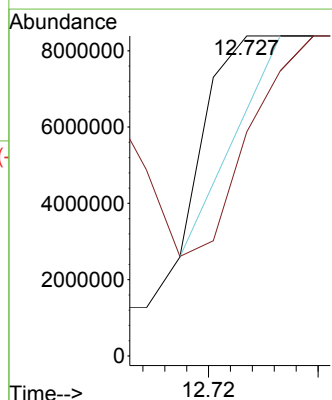
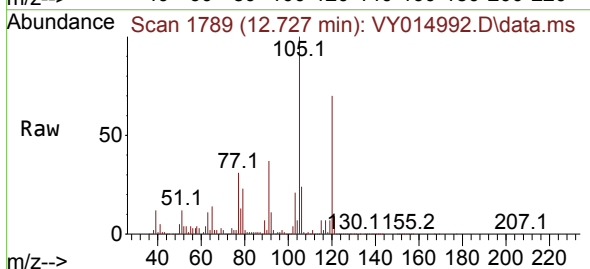
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

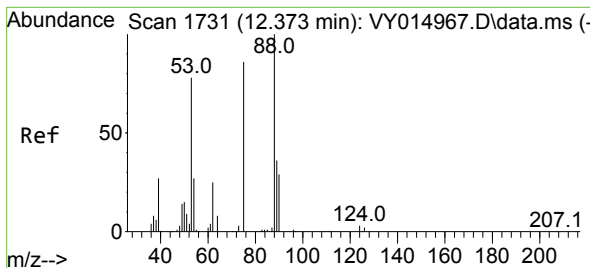
Tgt Ion: 91 Resp: 1773633
Ion Ratio Lower Upper
91 100
126 0.8 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 2426.480 ug/l
RT: 12.727 min Scan# 1789
Delta R.T. -0.085 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 105 Resp: 3272895
Ion Ratio Lower Upper
105 100
120 86.2 23.9 71.7#

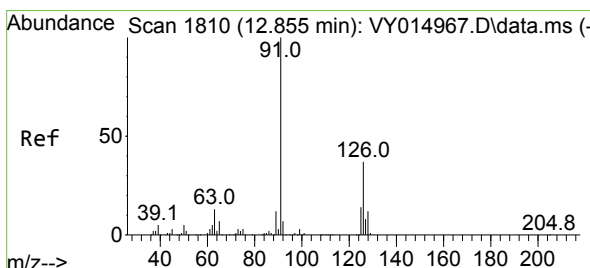
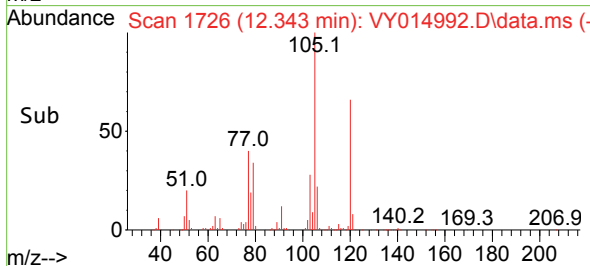
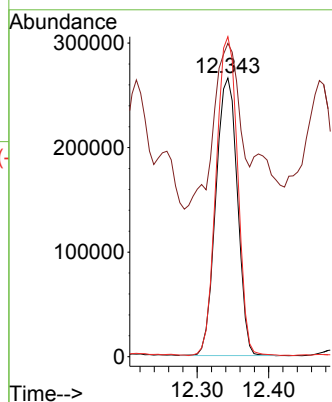
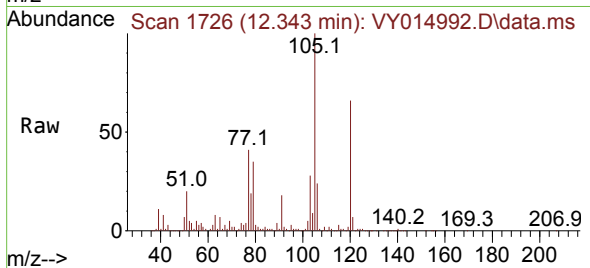




#81
 trans-1,4-Dichloro-2-butene
 Concen: 4196.723 ug/l
 RT: 12.343 min Scan# 1
 Delta R.T. -0.030 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

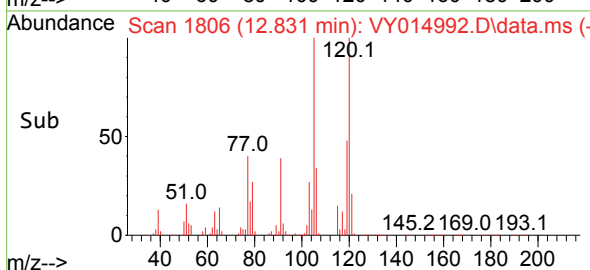
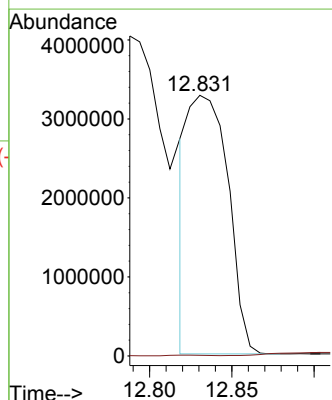
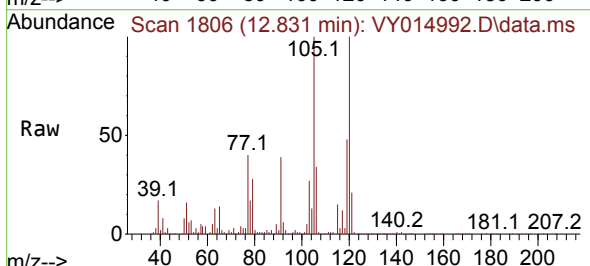
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

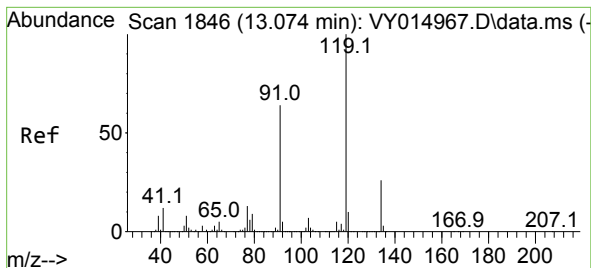
Tgt Ion: 75 Resp: 555794
 Ion Ratio Lower Upper
 75 100
 53 68.9 77.8 116.8#
 89 114.6 37.4 56.0#



#82
 4-Chlorotoluene
 Concen: 4844.313 ug/l
 RT: 12.831 min Scan# 1806
 Delta R.T. -0.024 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Tgt Ion: 91 Resp: 5587443
 Ion Ratio Lower Upper
 91 100
 126 0.3 17.2 51.6#





#83

tert-Butylbenzene

Concen: 6441.999 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.055 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

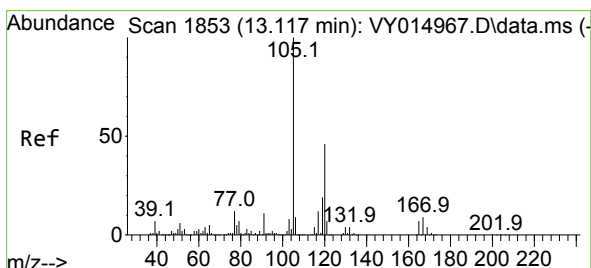
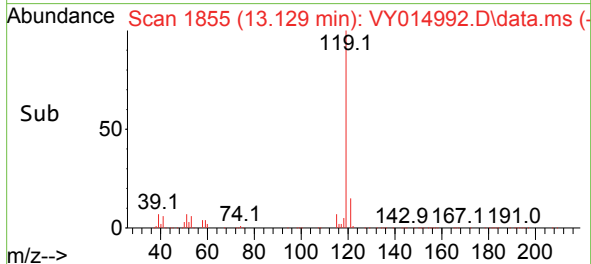
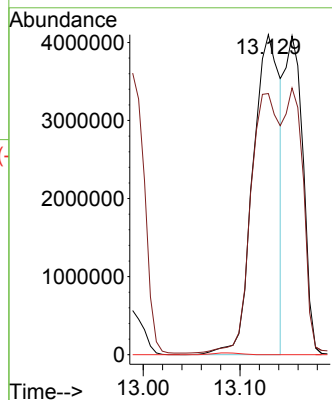
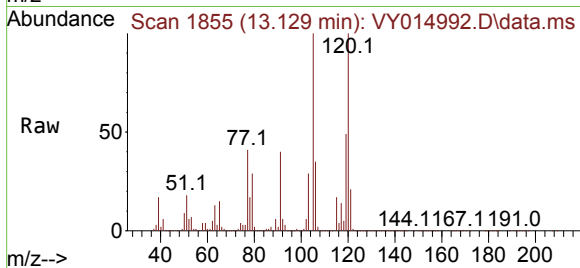
Tgt Ion:119 Resp: 7948787

Ion Ratio Lower Upper

119 100

91 87.2 32.9 98.6

134 0.0 13.0 38.9#



#84

1,2,4-Trimethylbenzene

Concen: 5607.576 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.140 min

Lab File: VY014992.D

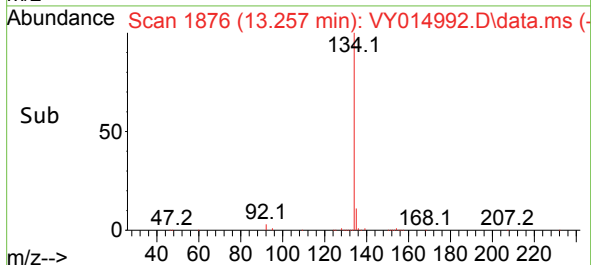
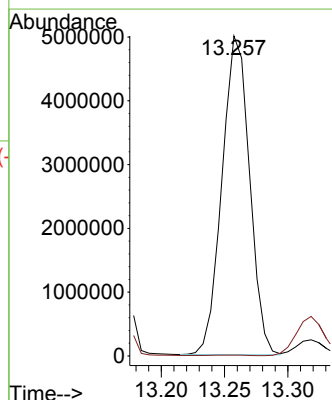
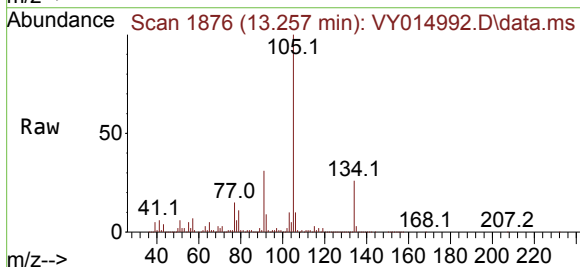
Acq: 08 Aug 2023 17:57

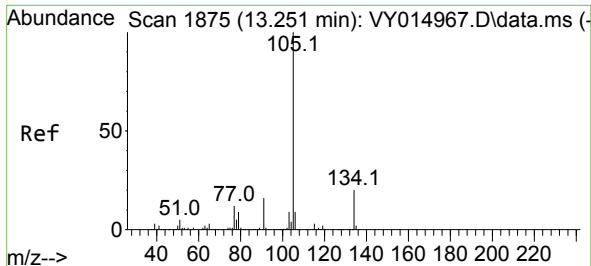
Tgt Ion:105 Resp: 7577994

Ion Ratio Lower Upper

105 100

120 0.0 22.2 66.6#

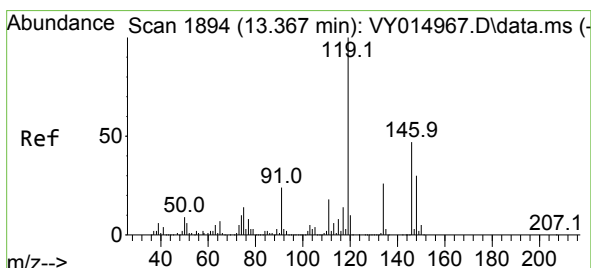
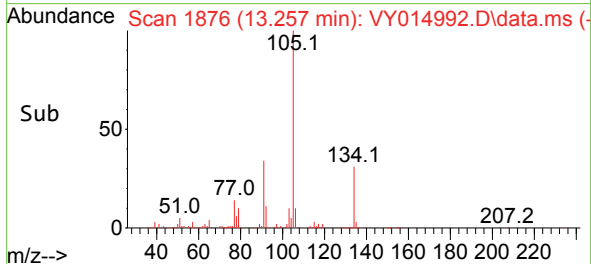
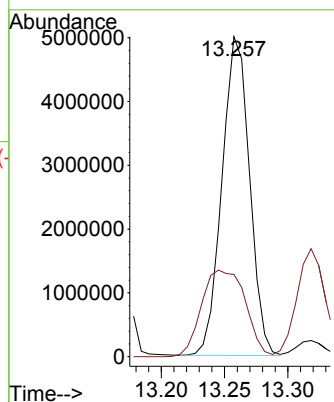
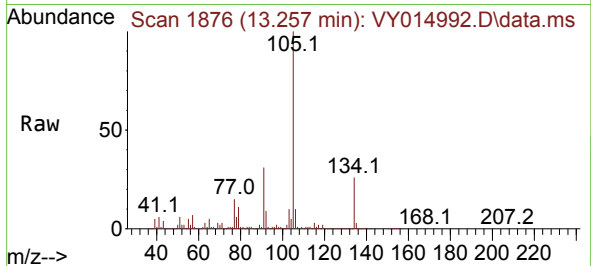




#85
 sec-Butylbenzene
 Concen: 4184.539 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

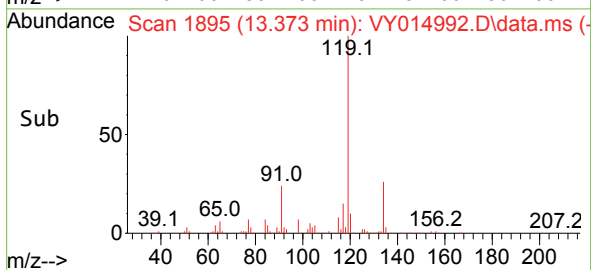
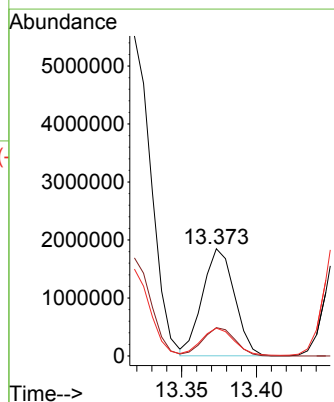
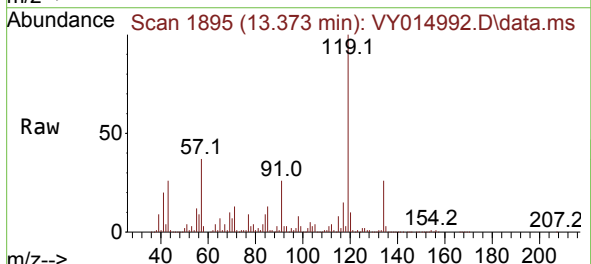
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

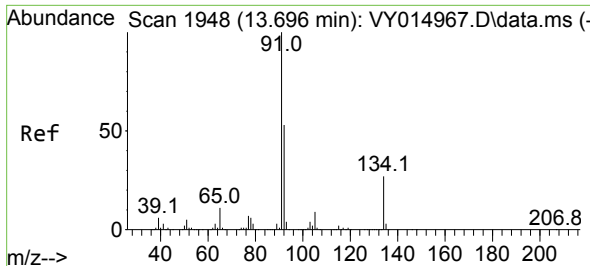
Tgt Ion:105 Resp: 7577994
 Ion Ratio Lower Upper
 105 100
 134 43.1 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 1840.510 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Tgt Ion:119 Resp: 2758974
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 25.5 12.4 37.4

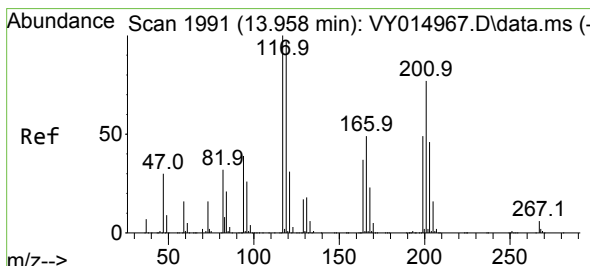
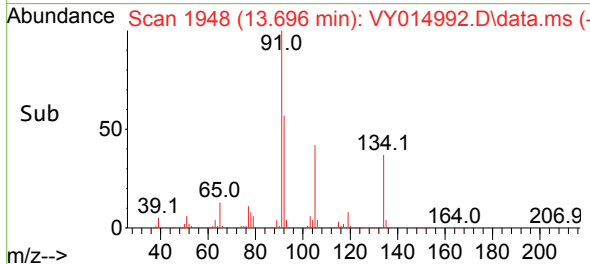
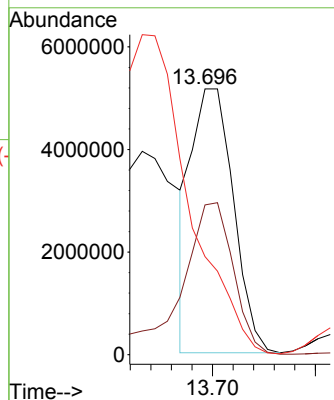
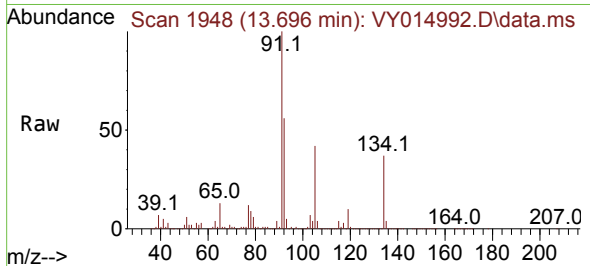




#89
n-Butylbenzene
Concen: 5150.746 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

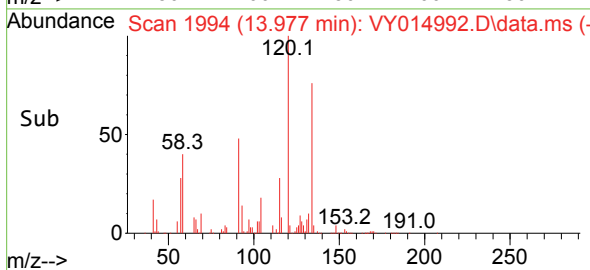
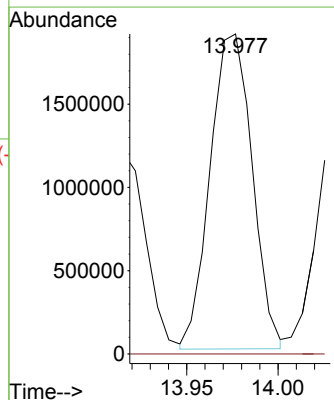
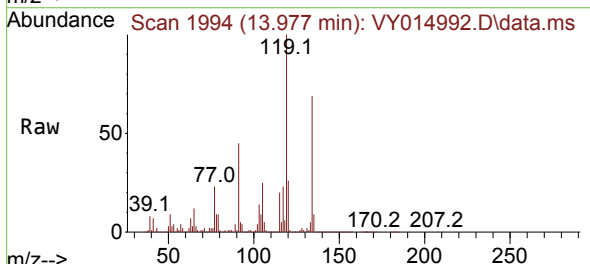
Instrument :
MSVOA_Y
ClientSampleId :
MW-09

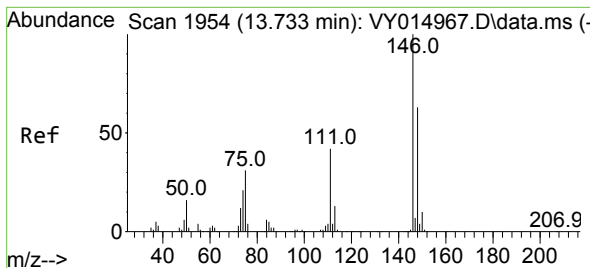
Tgt Ion: 91 Resp: 7254549
Ion Ratio Lower Upper
91 100
92 71.0 25.4 76.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 10388.927 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY014992.D
Acq: 08 Aug 2023 17:57

Tgt Ion: 117 Resp: 3024229
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

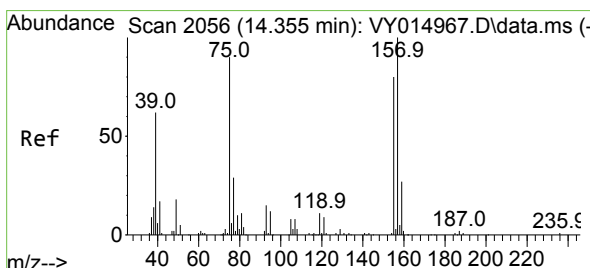
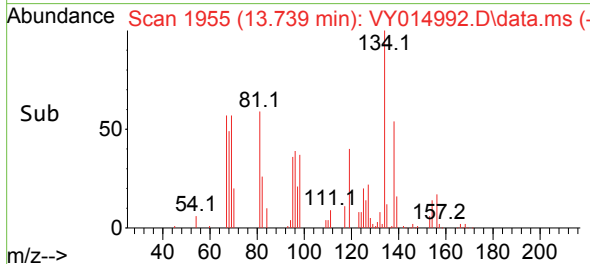
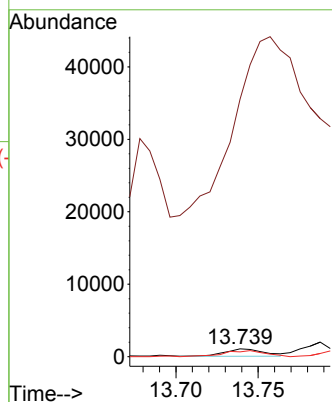
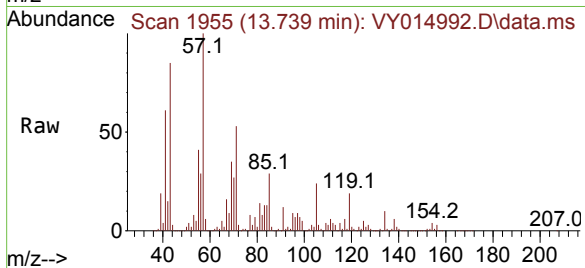




#91
 1,2-Dichlorobenzene
 Concen: 2.380 ug/l
 RT: 13.739 min Scan# 1954
 Delta R.T. 0.006 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

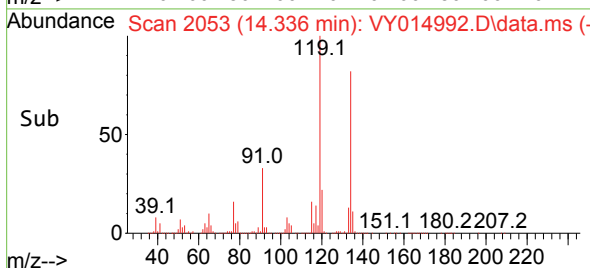
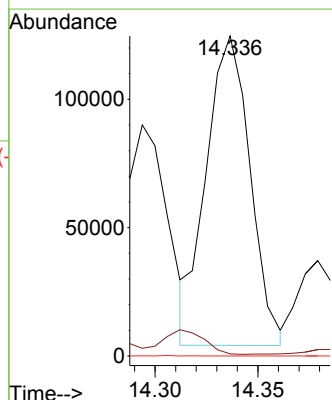
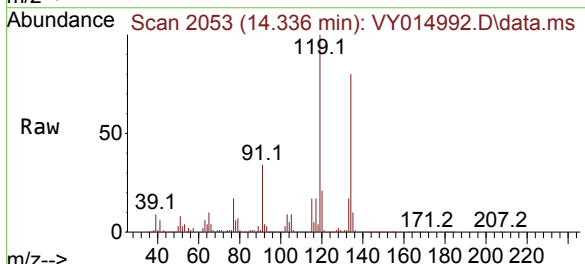
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

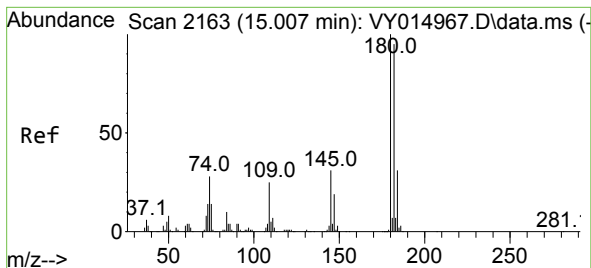
Tgt Ion:146 Resp: 1707
 Ion Ratio Lower Upper
 146 100
 111 6895.8 19.7 59.0#
 148 86.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2287.299 ug/l
 RT: 14.336 min Scan# 2053
 Delta R.T. -0.018 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Tgt Ion: 75 Resp: 178636
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 51.8 155.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.181 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-09

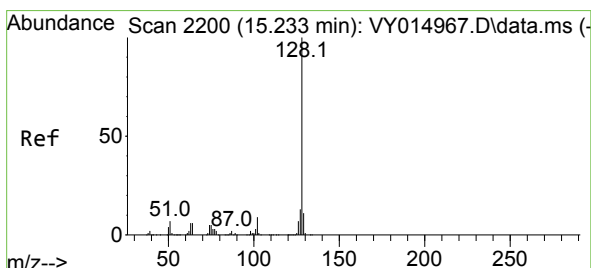
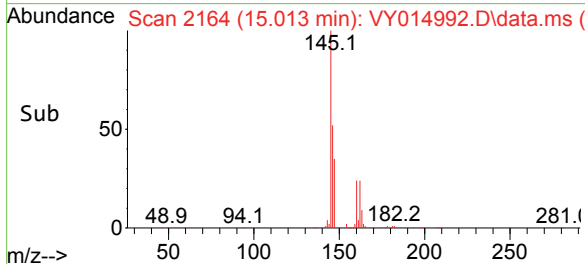
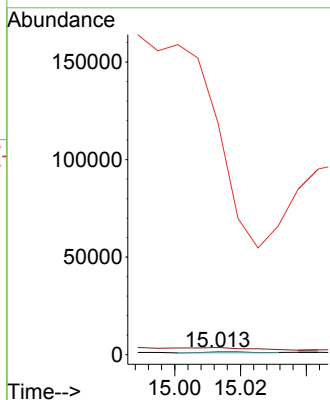
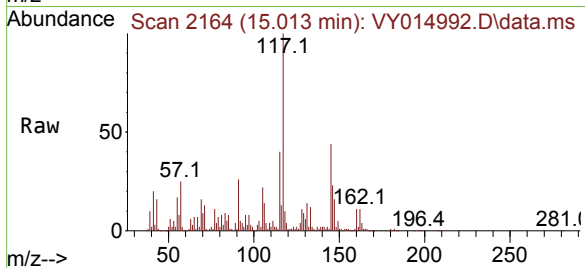
Tgt Ion:180 Resp: 542

Ion Ratio Lower Upper

180 100

182 947.2 47.0 141.2#

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 19530.227 ug/l

RT: 15.227 min Scan# 2199

Delta R.T. -0.006 min

Lab File: VY014992.D

Acq: 08 Aug 2023 17:57

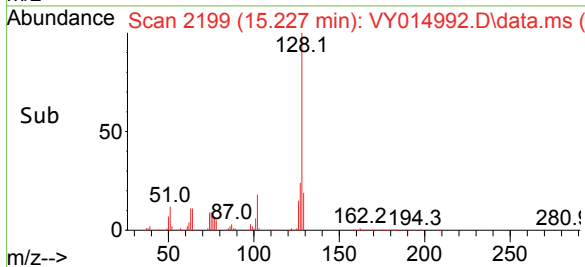
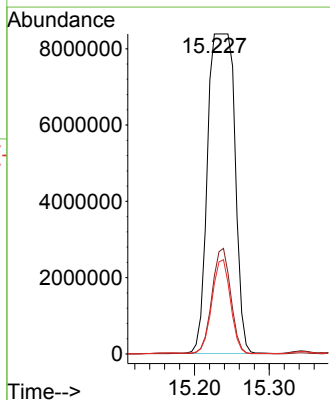
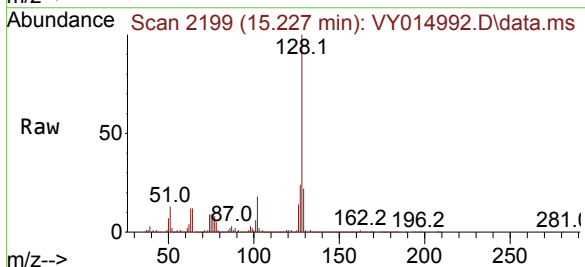
Tgt Ion:128 Resp:21090510

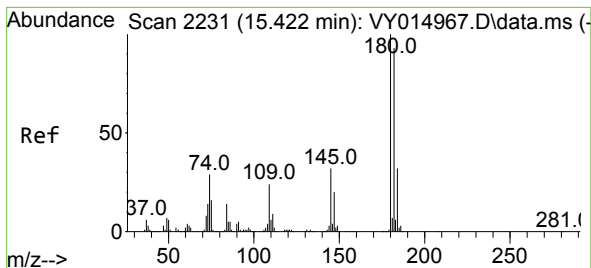
Ion Ratio Lower Upper

128 100

127 23.0 10.8 16.2#

129 20.1 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.664 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY014992.D
 Acq: 08 Aug 2023 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-09

Tgt Ion:180 Resp: 1522
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.8#
 145 12564.2 15.4 46.2#

