

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014990.D
 Acq On : 08 Aug 2023 17:10
 Operator : SY/MD
 Sample : 03925-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SEW-30103

Quant Time: Aug 09 01:02:48 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)

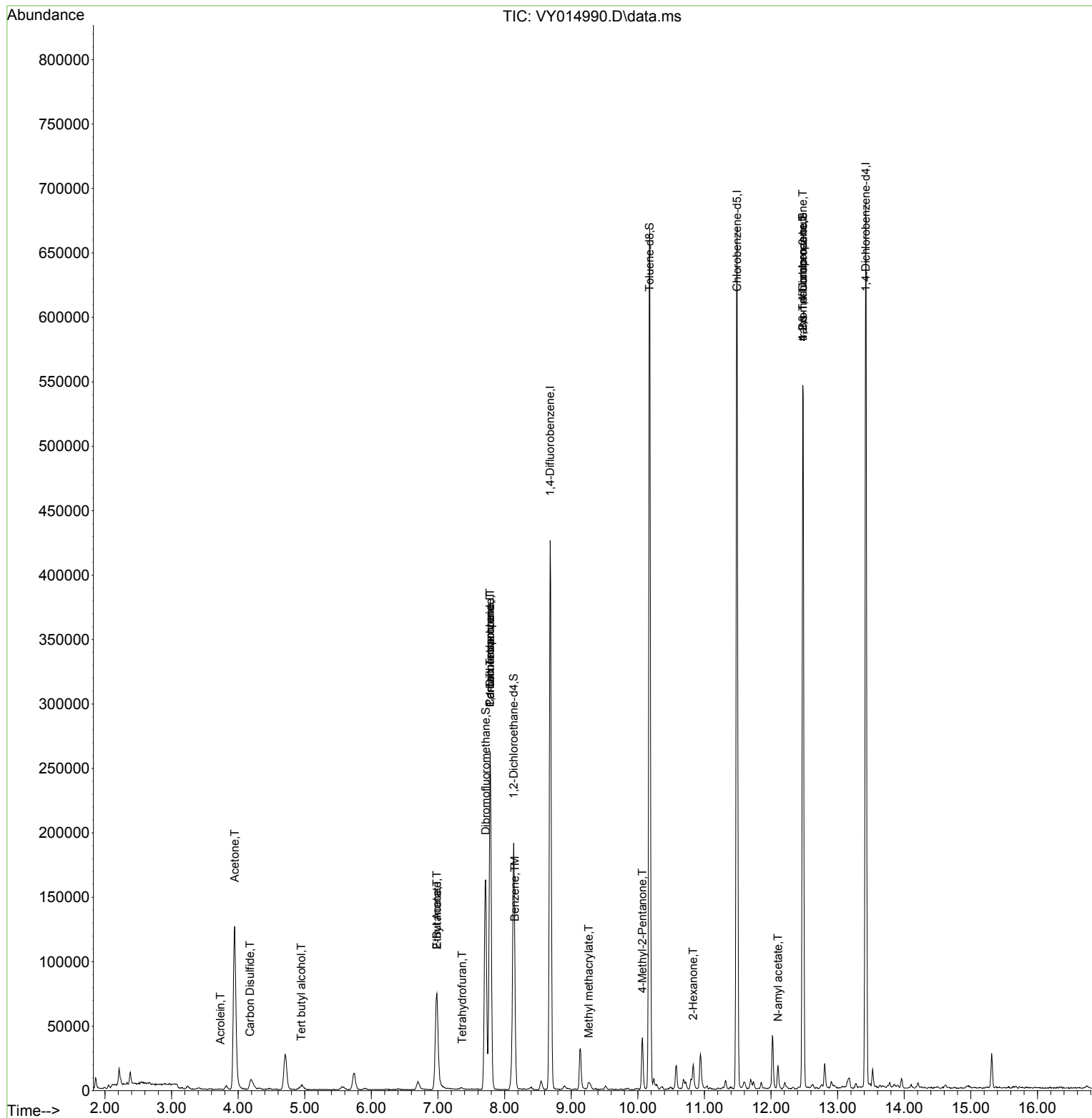
Internal Standards						
1) Pentafluorobenzene	7.783	168	198052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	362722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	172968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	139494	58.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.220%	
35) Dibromofluoromethane	7.716	113	116392	50.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.360%	
50) Toluene-d8	10.179	98	438762	49.697	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.400%	
62) 4-Bromofluorobenzene	12.477	95	164640	52.617	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	48	Below Cal	#	43
5) Bromomethane	2.656	94	433	Below Cal	#	75
11) Tert butyl alcohol	4.948	59	7147	12.337	ug/l	98
13) Acrolein	3.735	56	285	1.446	ug/l	84
16) Acetone	3.948	43	224044	299.310	ug/l	96
17) Carbon Disulfide	4.180	76	11103	3.208	ug/l	# 93
20) Methylene Chloride	4.710	84	20556	Below Cal		90
25) 2-Butanone	6.984	43	55965	52.200	ug/l	95
29) Tetrahydrofuran	7.362	42	801	1.274	ug/l	# 70
31) Cyclohexane	7.783	56	4527	Below Cal	#	22
36) 1,1-Dichloropropene	7.783	75	15942	5.536	ug/l	# 50
37) Ethyl Acetate	6.984	43	55965	24.483	ug/l	# 77
38) Carbon Tetrachloride	7.783	117	20099	6.208	ug/l	# 17
40) Benzene	8.155	78	9331	1.100	ug/l	92
48) Methyl methacrylate	9.264	41	2078	1.115	ug/l	# 48
51) 4-Methyl-2-Pentanone	10.069	43	25921	10.831	ug/l	93
59) 2-Hexanone	10.831	43	11924	6.745	ug/l	88
74) N-amyl acetate	12.105	43	11286	2.841	ug/l	# 53
76) 1,2,3-Trichloropropane	12.477	75	87902	42.412	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	87902	93.435	ug/l	# 11

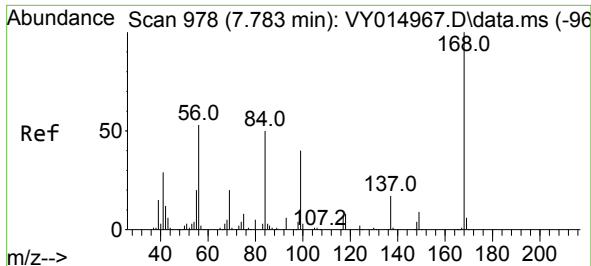
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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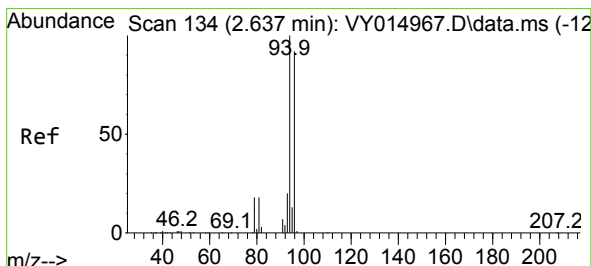
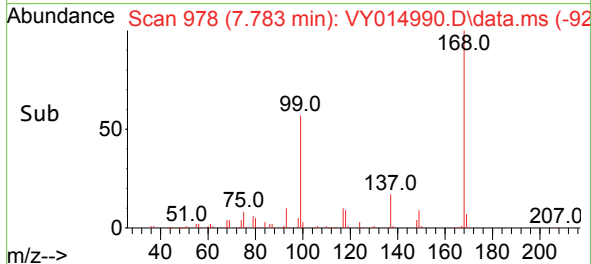
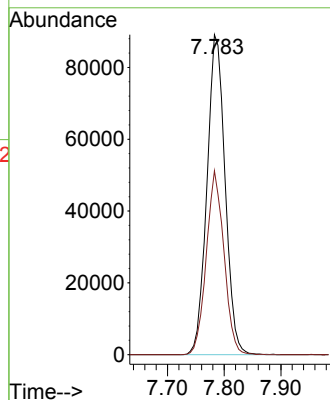
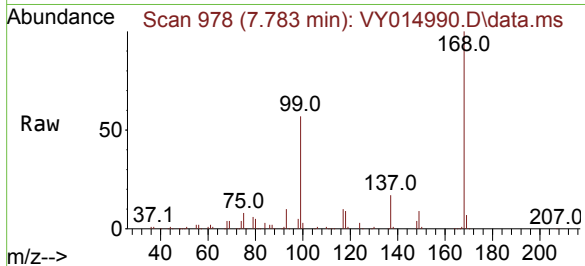




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

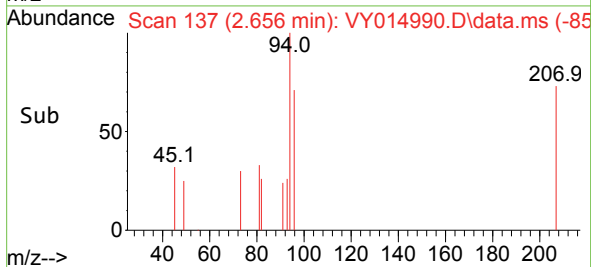
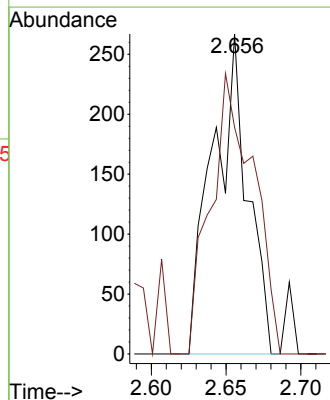
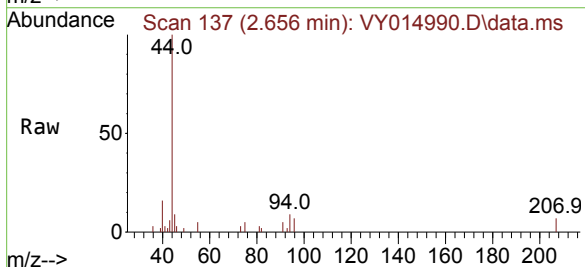
Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

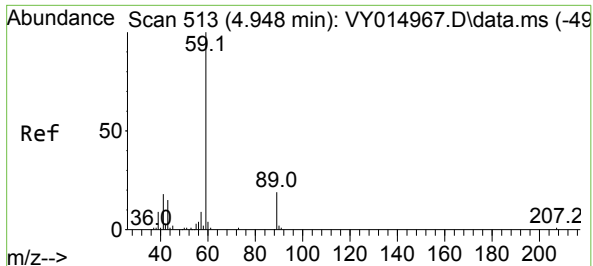
Tgt Ion:168 Resp: 198052
Ion Ratio Lower Upper
168 100
99 57.5 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 94 Resp: 433
Ion Ratio Lower Upper
94 100
96 70.8 75.8 113.6#





#11

Tert butyl alcohol

Concen: 12.337 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY014990.D

Acq: 08 Aug 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

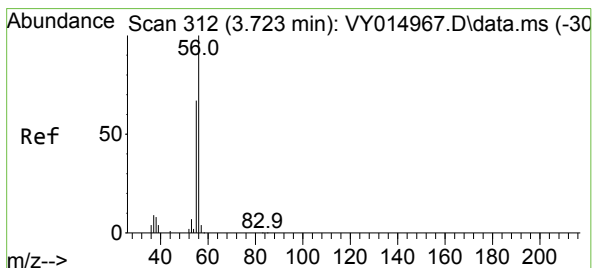
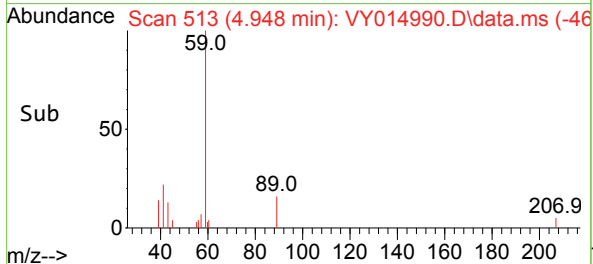
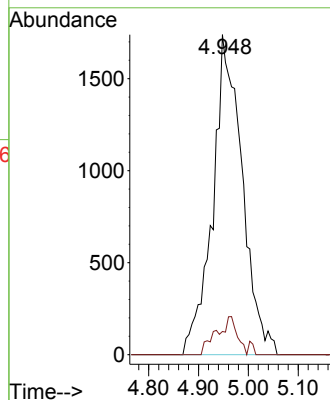
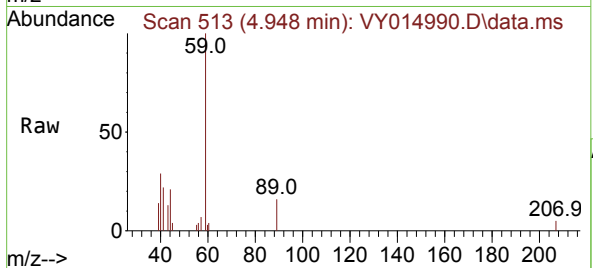
SEW-30103

Tgt Ion: 59 Resp: 7147

Ion Ratio Lower Upper

59 100

57 3.0 3.0 4.4



#13

Acrolein

Concen: 1.446 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.012 min

Lab File: VY014990.D

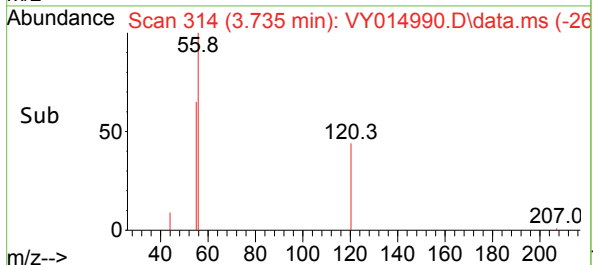
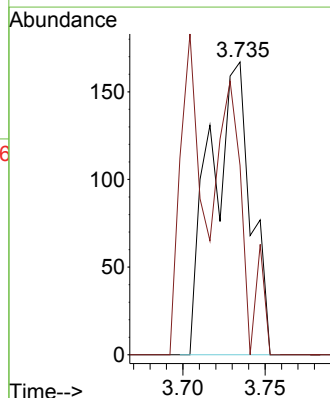
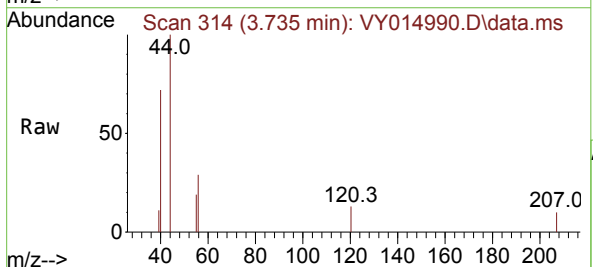
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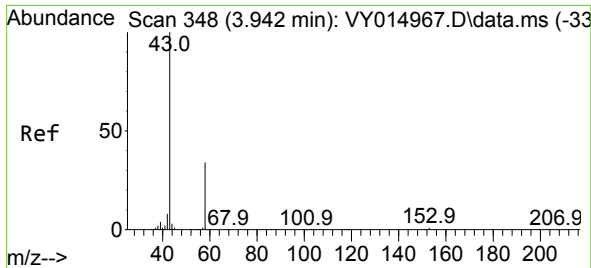
Tgt Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 57.9 57.0 85.4

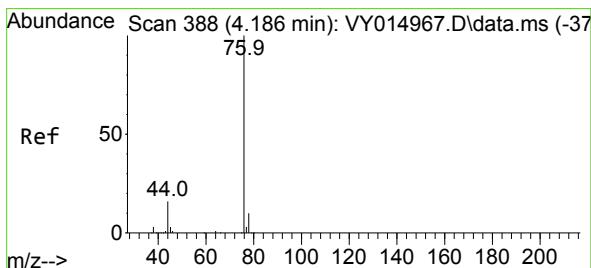
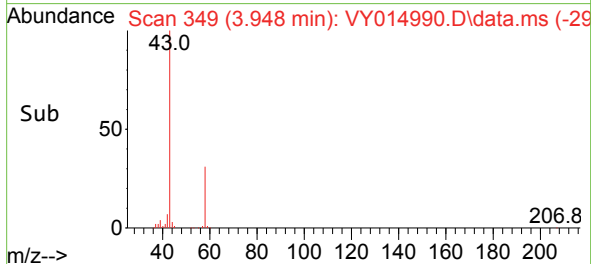
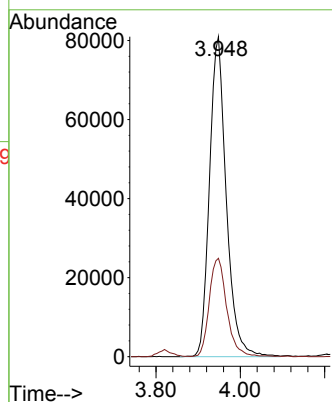
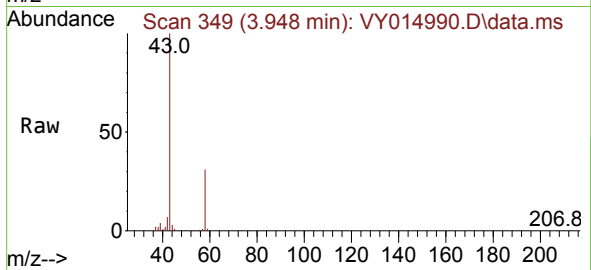




#16
Acetone
Concen: 299.310 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

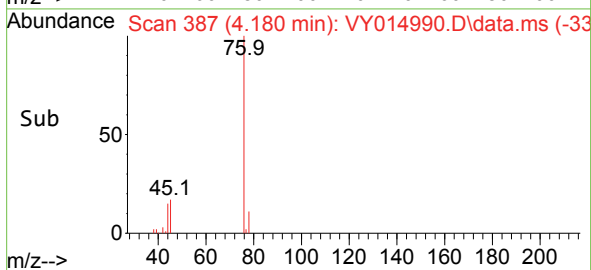
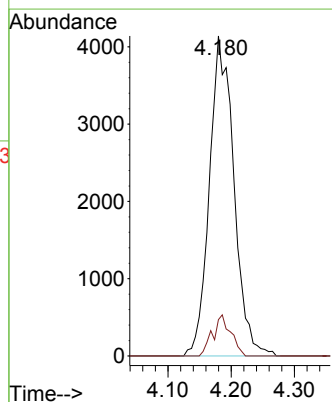
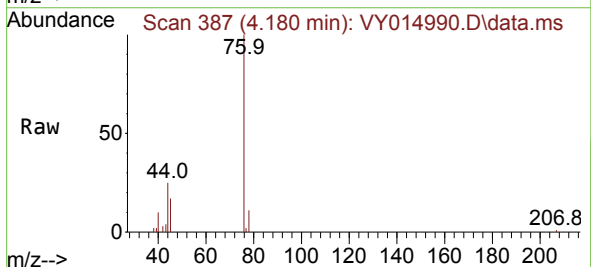
Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

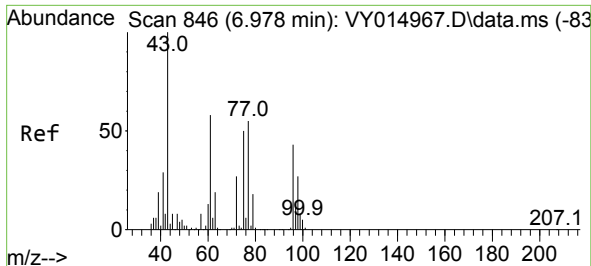
Tgt Ion: 43 Resp: 224044
Ion Ratio Lower Upper
43 100
58 30.6 22.7 34.1



#17
Carbon Disulfide
Concen: 3.208 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 76 Resp: 11103
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.4#

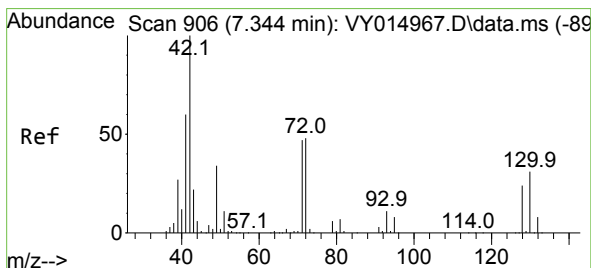
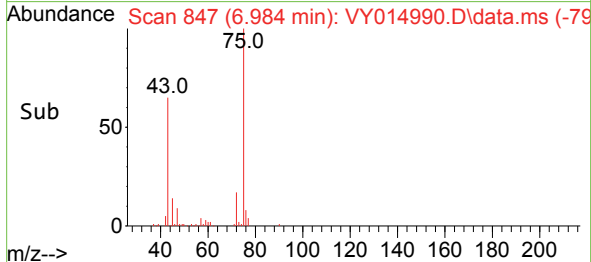
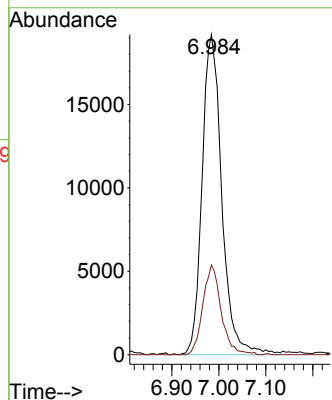
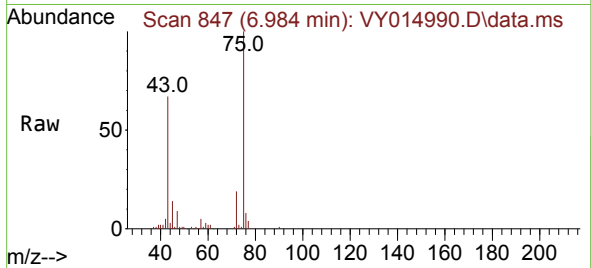




#25
2-Butanone
Concen: 52.200 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

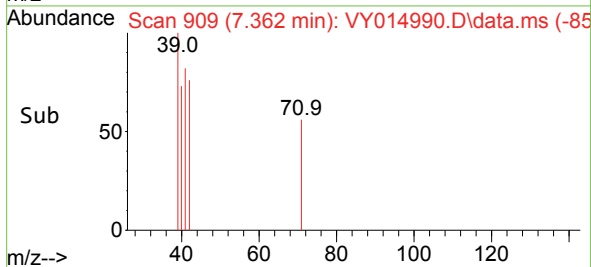
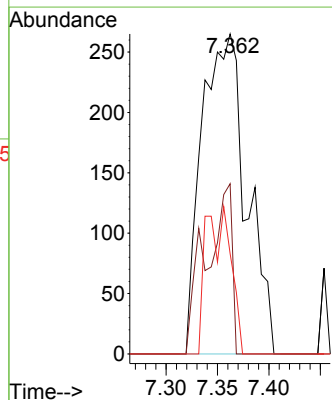
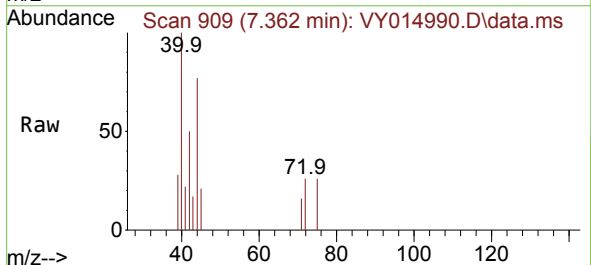
Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

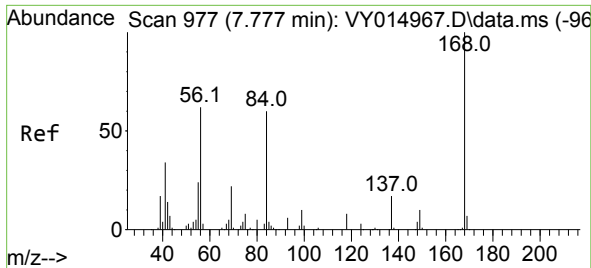
Tgt Ion: 43 Resp: 55965
Ion Ratio Lower Upper
43 100
72 28.0 20.5 30.7



#29
Tetrahydrofuran
Concen: 1.274 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 42 Resp: 801
Ion Ratio Lower Upper
42 100
72 16.7 32.8 49.2#
71 25.6 31.0 46.4#

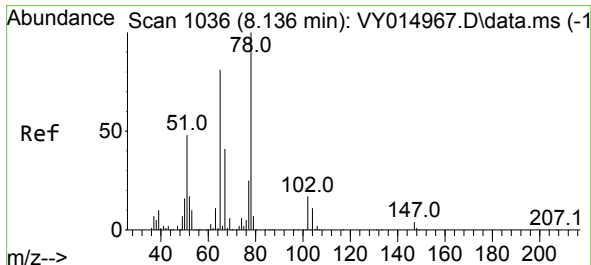
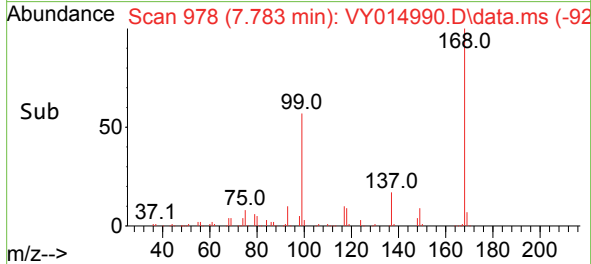
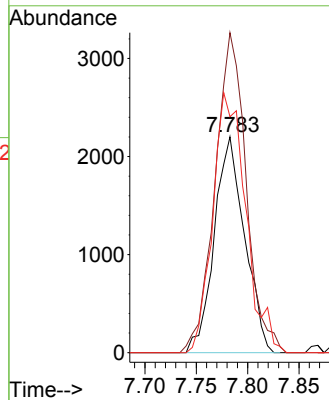
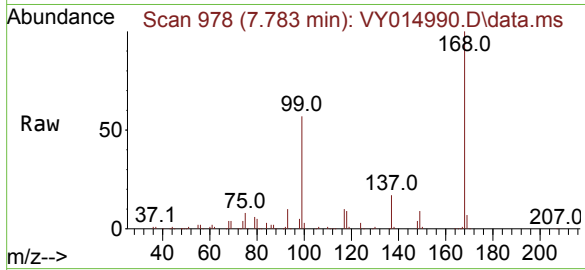




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

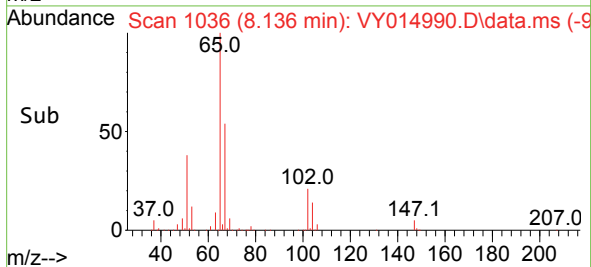
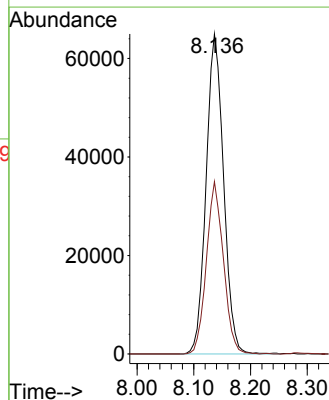
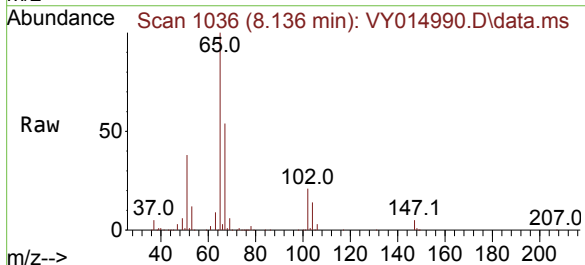
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MSVOA_Y
ClientSampleId :
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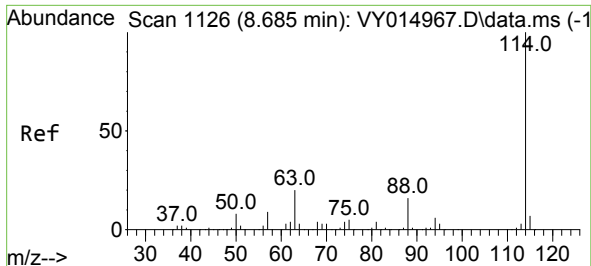
Tgt Ion: 56 Resp: 4527
Ion Ratio Lower Upper
56 100
69 148.3 27.8 41.6#
84 109.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.112 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 65 Resp: 139494
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8

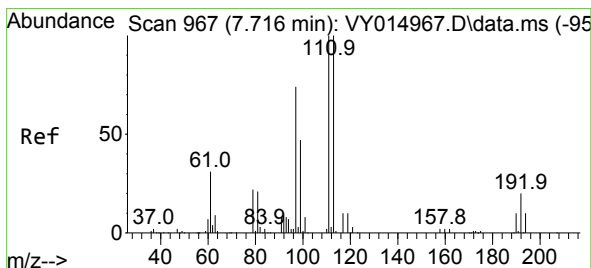
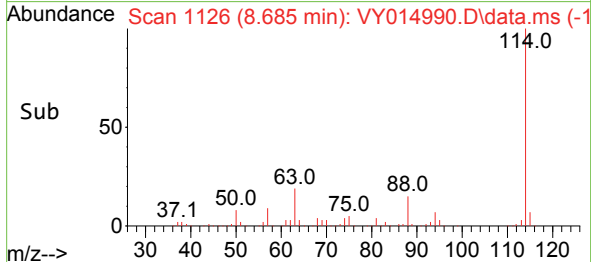
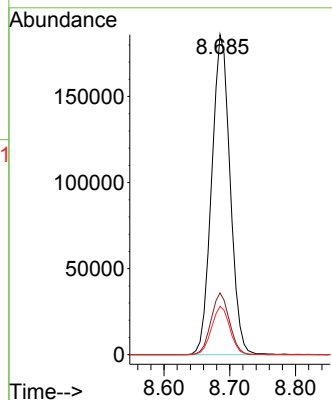
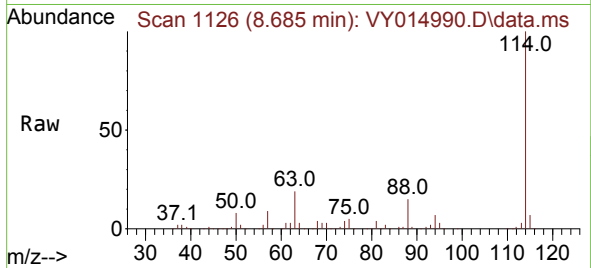




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

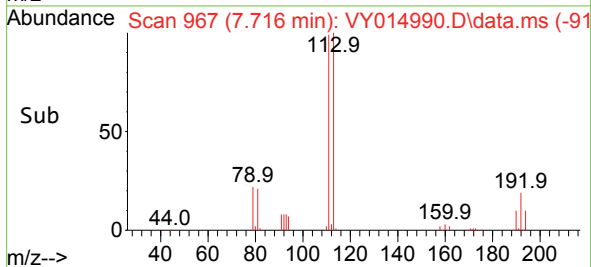
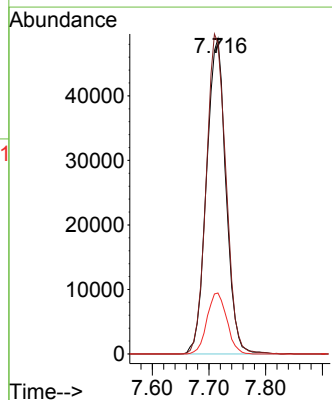
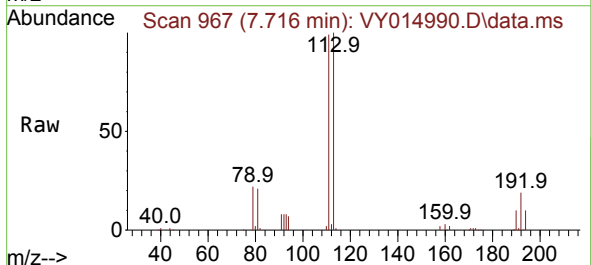
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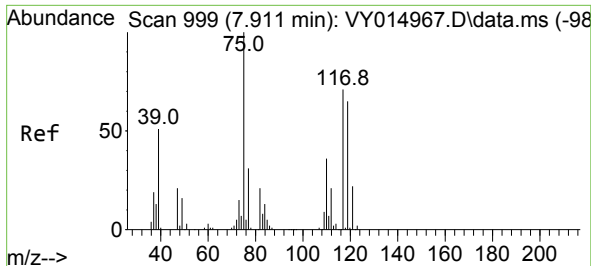
Tgt Ion:114 Resp: 362722
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.179 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion:113 Resp: 116392
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.7 16.9 25.3

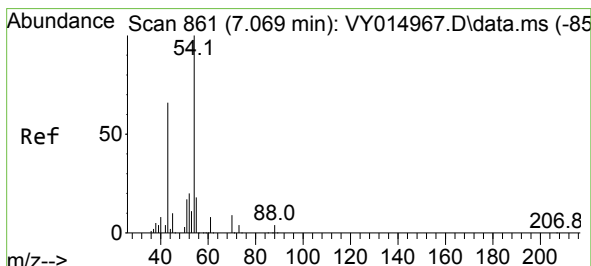
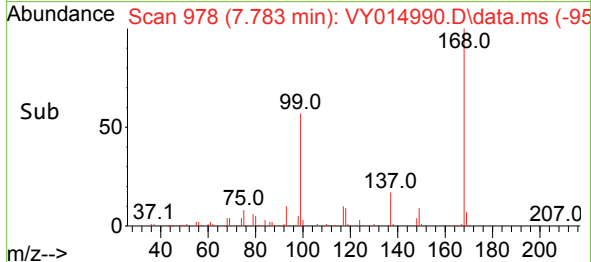
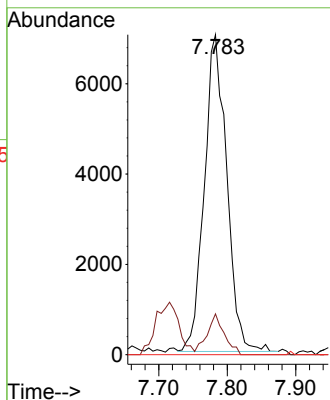
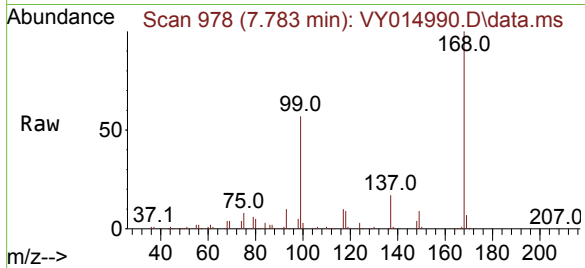




#36
1,1-Dichloropropene
Concen: 5.536 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

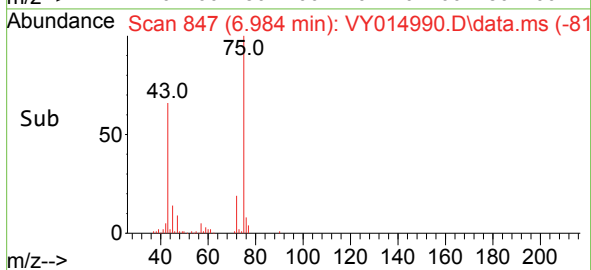
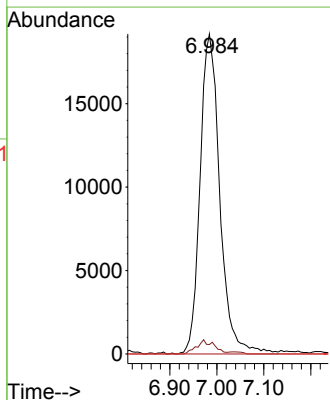
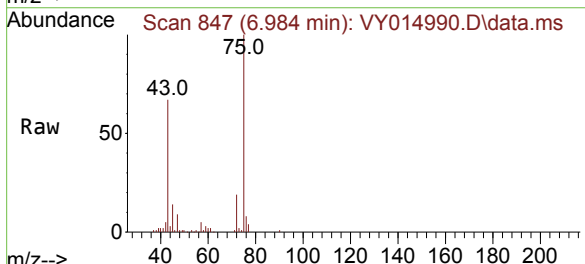
Instrument :
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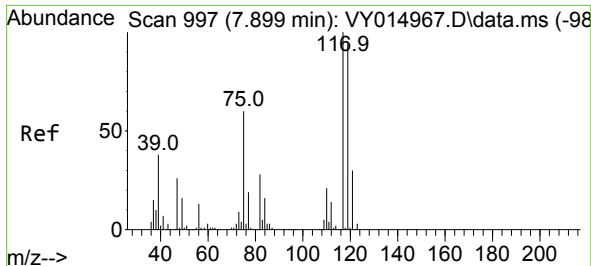
Tgt Ion: 75 Resp: 15942
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 24.483 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 43 Resp: 55965
Ion Ratio Lower Upper
43 100
61 3.9 10.1 15.1#
70 0.0 7.1 10.7#

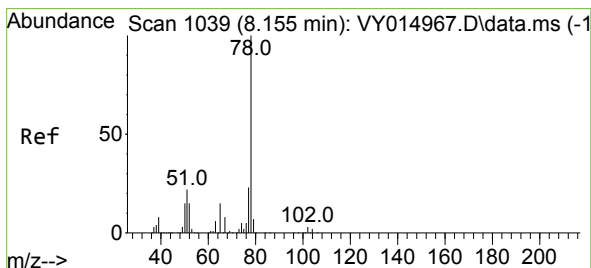
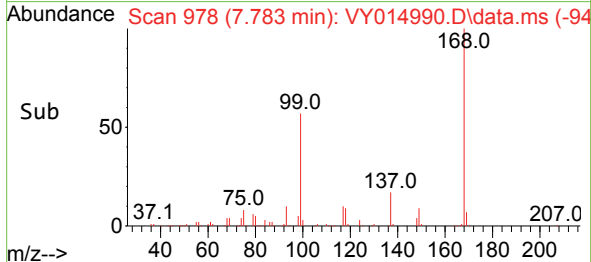
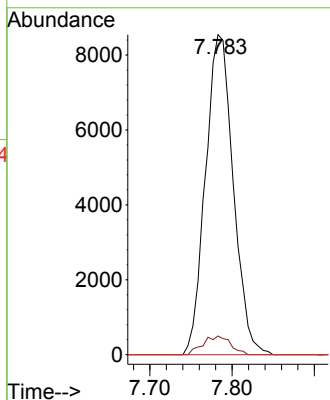
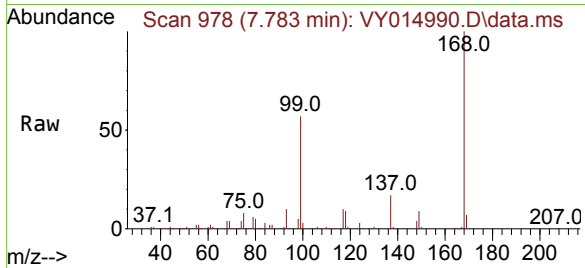




#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

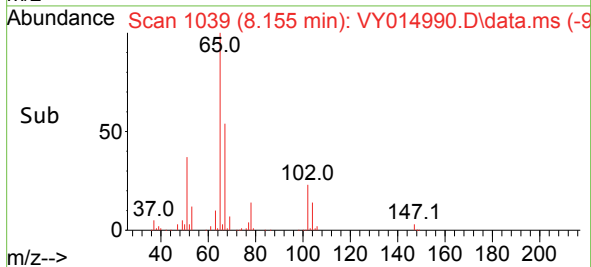
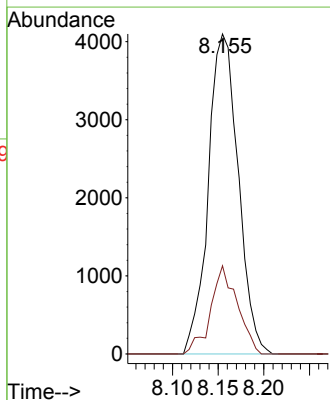
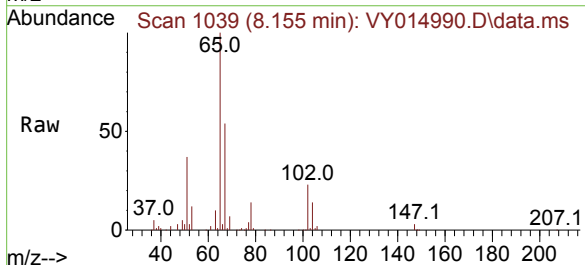
Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

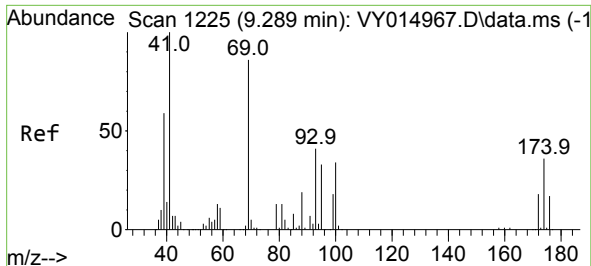
Tgt Ion:117 Resp: 20099
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.100 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 78 Resp: 9331
Ion Ratio Lower Upper
78 100
77 27.6 19.0 28.6

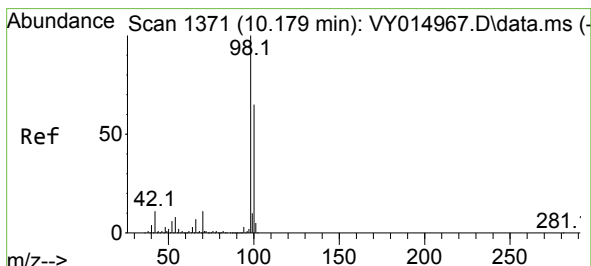
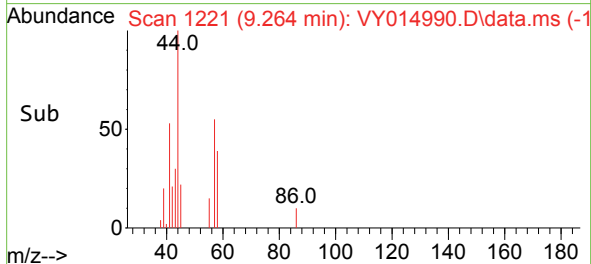
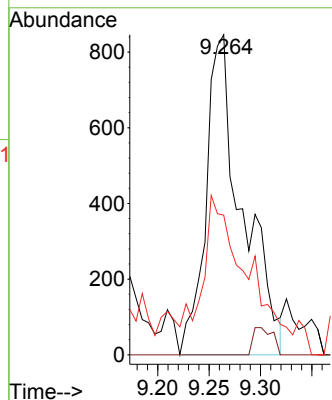
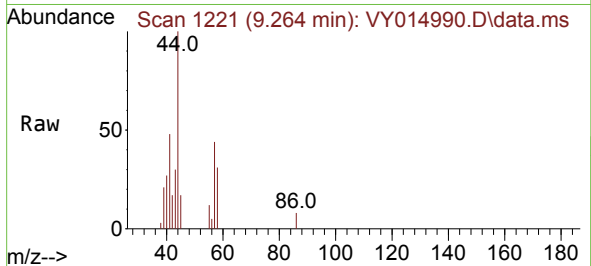




#48
Methyl methacrylate
Concen: 1.115 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

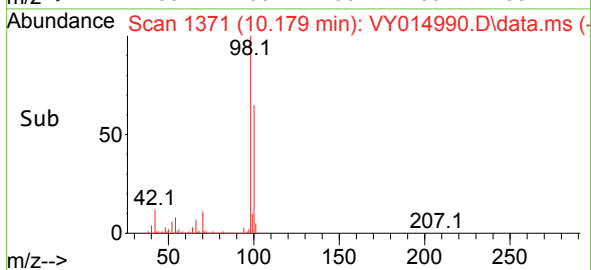
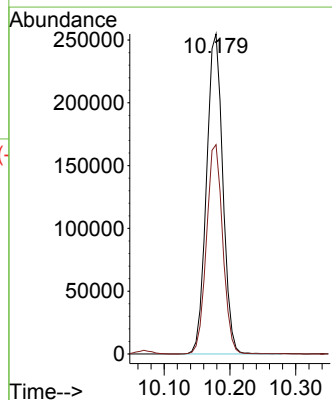
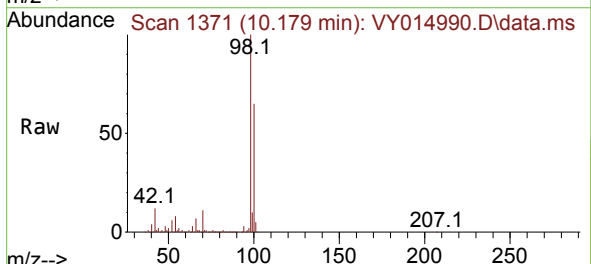
Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

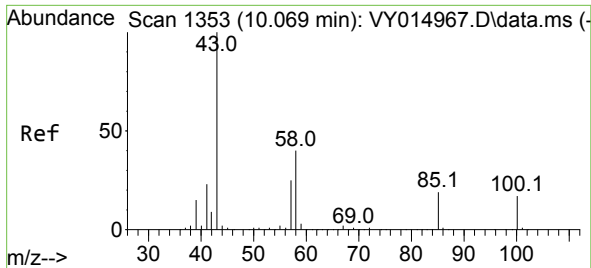
Tgt Ion: 41 Resp: 2078
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 64.8 50.8 76.2



#50
Toluene-d8
Concen: 49.697 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 98 Resp: 438762
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 10.831 ug/l

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014990.D

Acq: 08 Aug 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

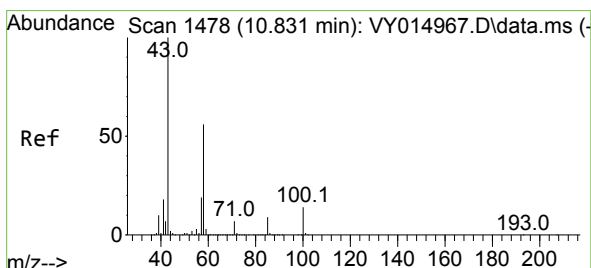
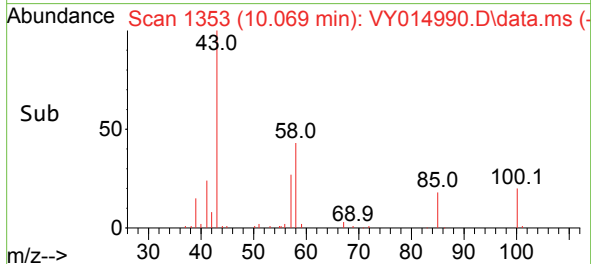
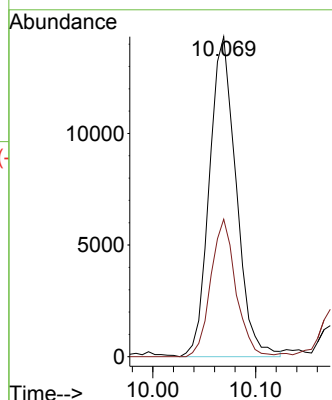
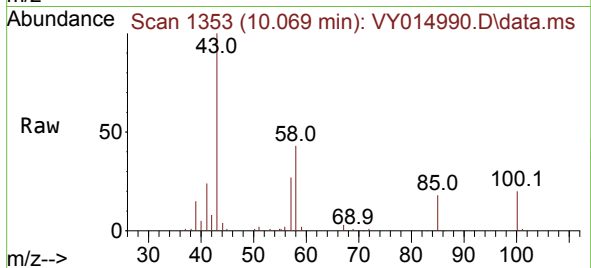
SEW-30103

Tgt Ion: 43 Resp: 25921

Ion Ratio Lower Upper

43 100

58 40.3 29.0 43.6



#59

2-Hexanone

Concen: 6.745 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY014990.D

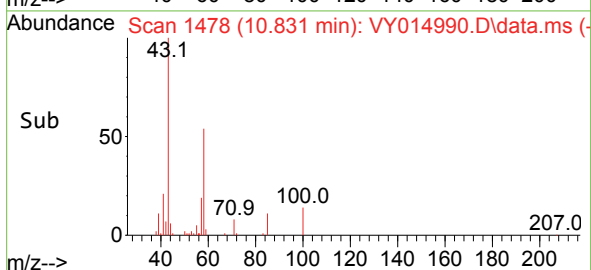
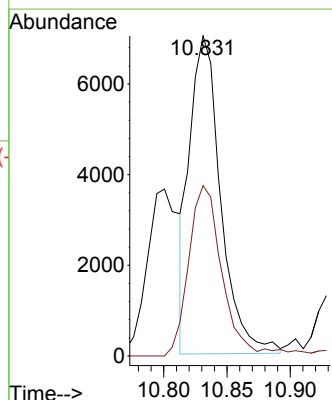
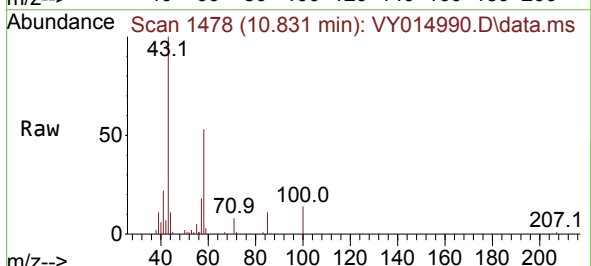
Acq: 08 Aug 2023 17:10

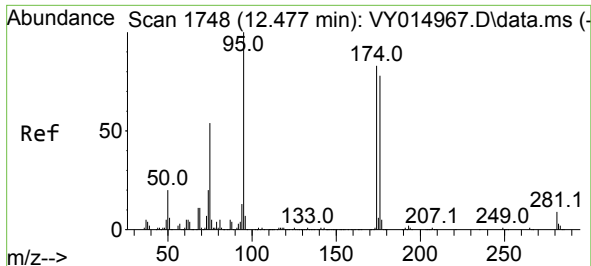
Tgt Ion: 43 Resp: 11924

Ion Ratio Lower Upper

43 100

58 58.6 25.1 75.3

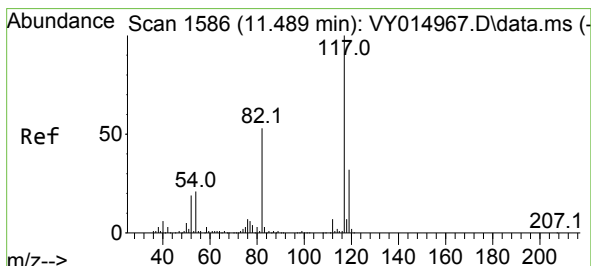
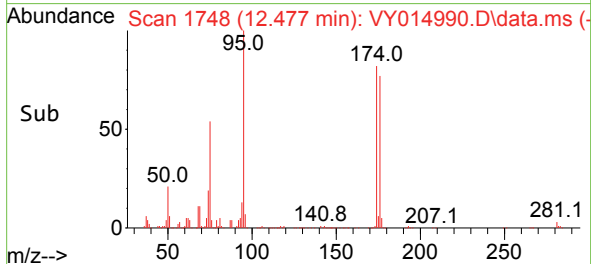
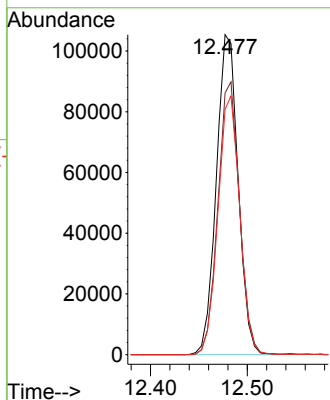
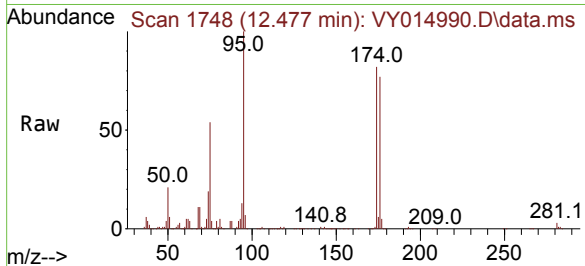




#62
4-Bromofluorobenzene
Concen: 52.617 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

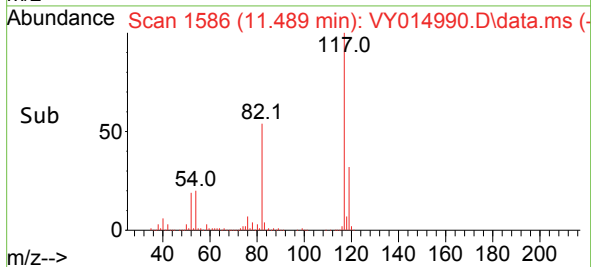
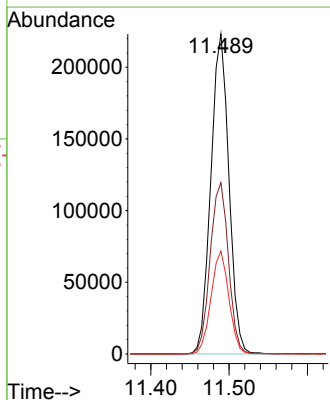
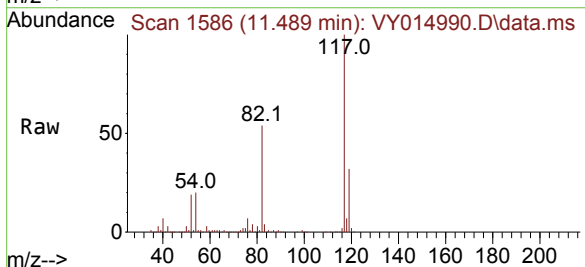
Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

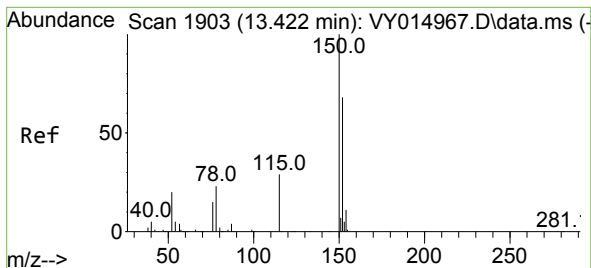
Tgt Ion: 95 Resp: 164640
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 80.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 117 Resp: 357811
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014990.D

Acq: 08 Aug 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

SEW-30103

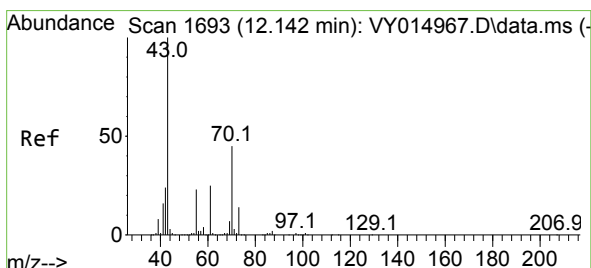
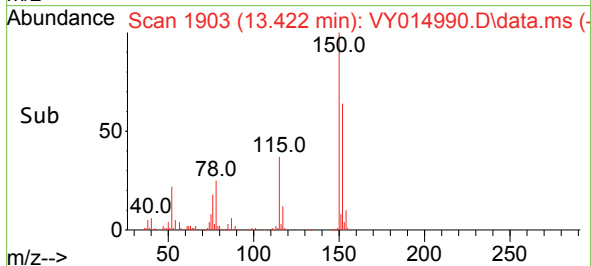
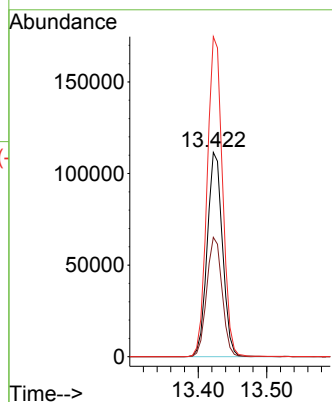
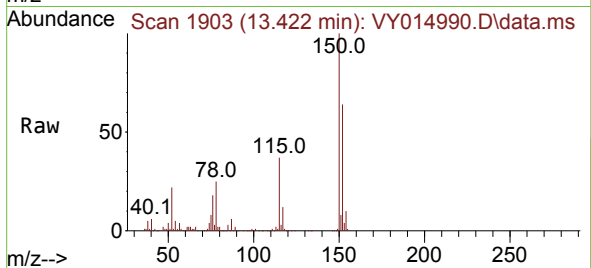
Tgt Ion:152 Resp: 172968

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 157.4 0.0 348.8



#74

N-ethyl acetate

Concen: 2.841 ug/l

RT: 12.105 min Scan# 1687

Delta R.T. -0.037 min

Lab File: VY014990.D

Acq: 08 Aug 2023 17:10

Tgt Ion: 43 Resp: 11286

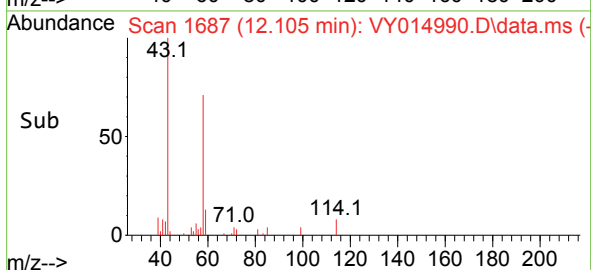
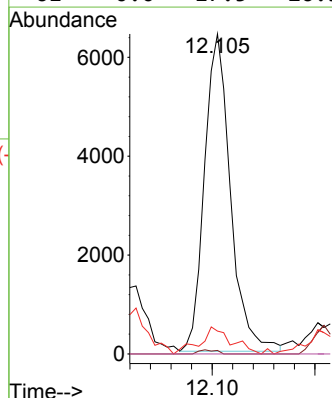
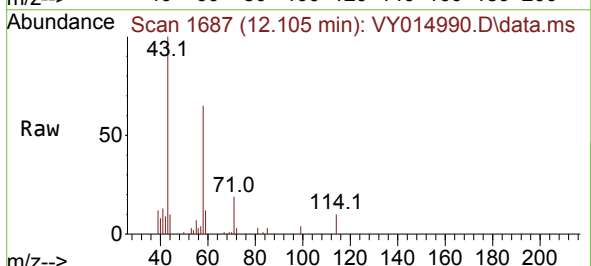
Ion Ratio Lower Upper

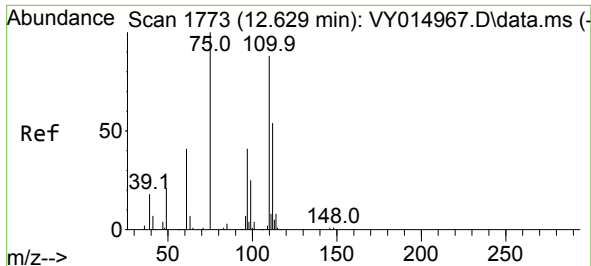
43 100

70 0.9 29.7 44.5#

55 10.3 18.3 27.5#

61 0.0 17.5 26.3#

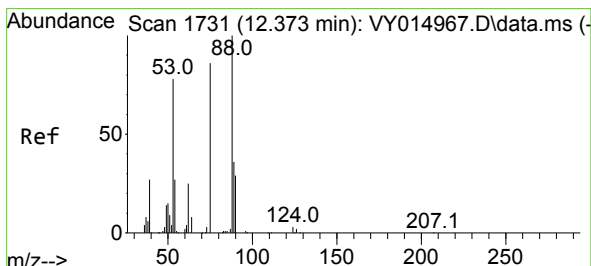
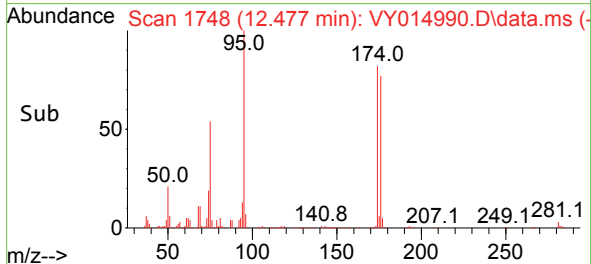
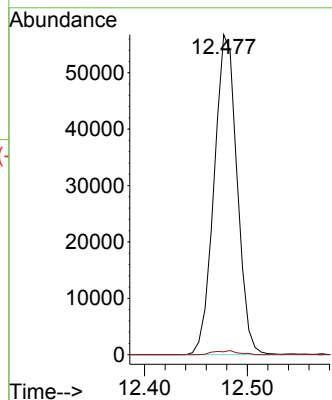
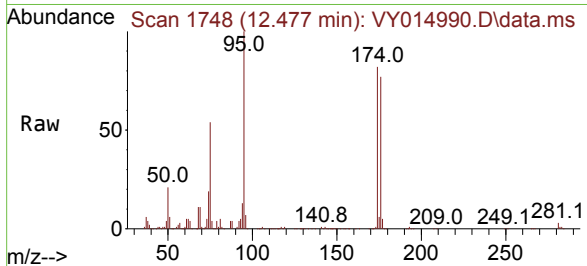




#76
1,2,3-Trichloropropane
Concen: 42.412 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :
SEW-30103

Tgt Ion: 75 Resp: 87902
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.435 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014990.D
Acq: 08 Aug 2023 17:10

Tgt Ion: 75 Resp: 87902
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

