

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014235.D
 Acq On : 19 Jun 2023 18:08
 Operator : KP/MD
 Sample : 03295-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: Jun 20 04:59:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

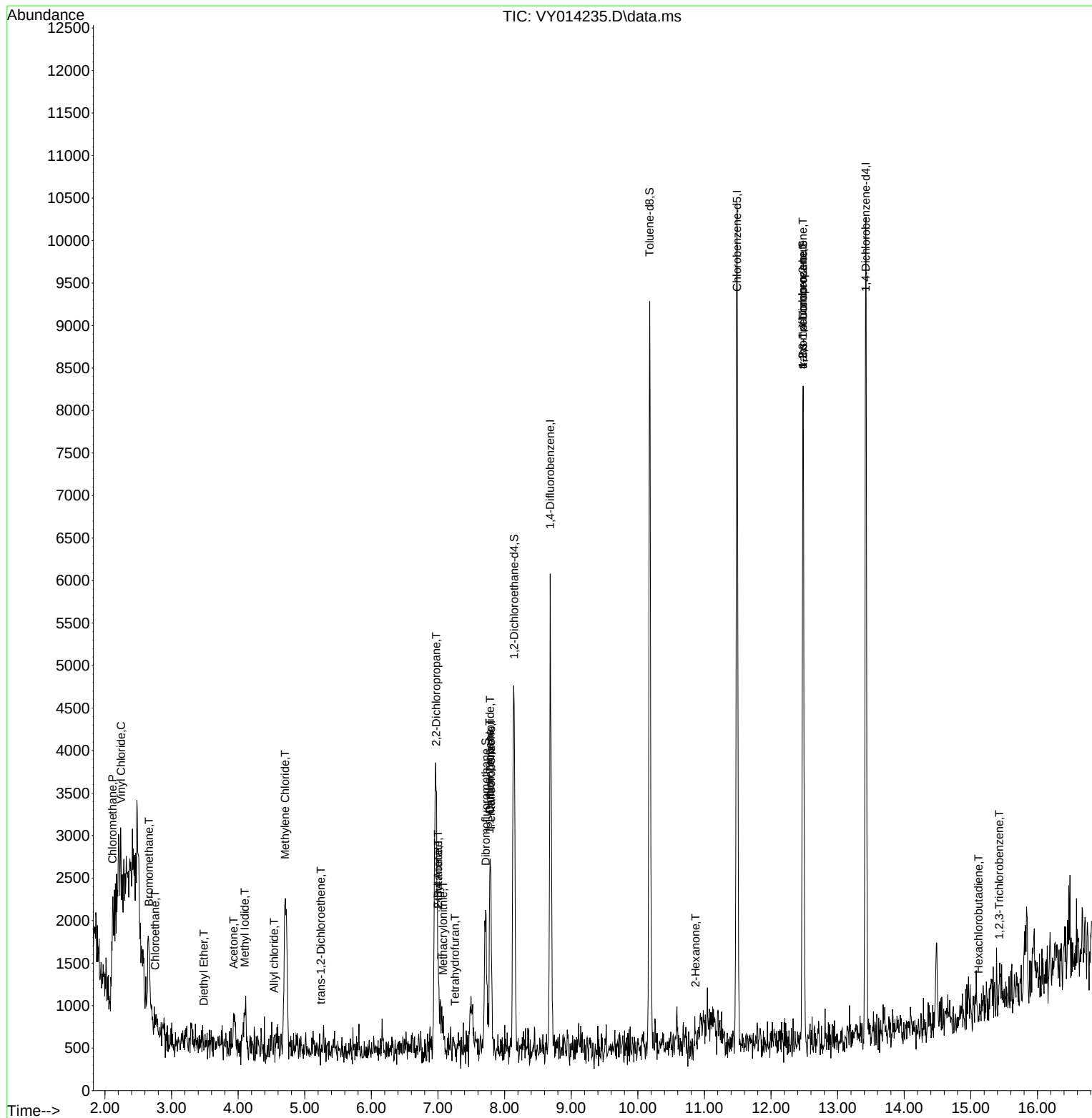
Internal Standards						
1) Pentafluorobenzene	7.795	168	2282	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	4533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3684	115.932	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 231.860%#	
35) Dibromofluoromethane	7.716	113	1386	43.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.220%	
50) Toluene-d8	10.179	98	5706	47.477	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.960%	
62) 4-Bromofluorobenzene	12.477	95	2253	52.772	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	563	17.459	ug/l	# 79
4) Vinyl Chloride	2.241	62	68	2.169	ug/l	# 44
5) Bromomethane	2.662	94	557	21.532	ug/l	# 85
6) Chloroethane	2.753	64	74	3.473	ug/l	# 44
8) Diethyl Ether	3.485	74	19	1.117	ug/l	# 1
10) Methyl Iodide	4.100	142	522	15.378	ug/l	# 77
14) Allyl chloride	4.539	41	52	1.101	ug/l	# 22
16) Acetone	3.930	43	348	36.331	ug/l	# 46
20) Methylene Chloride	4.704	84	1467	47.816	ug/l	# 81
21) trans-1,2-Dichloroethene	5.240	96	43	1.480	ug/l	# 1
25) 2-Butanone	7.002	43	41	3.477	ug/l	# 49
26) 2,2-Dichloropropane	6.972	77	280	5.718	ug/l	# 54
29) Tetrahydrofuran	7.258	42	19	2.541	ug/l	# 35
36) 1,1-Dichloropropene	7.777	75	91	1.816	ug/l	# 41
37) Ethyl Acetate	7.002	43	41	1.186	ug/l	# 71
38) Carbon Tetrachloride	7.783	117	281	4.859	ug/l	# 12
41) Methacrylonitrile	7.076	41	47	2.663	ug/l	# 35
59) 2-Hexanone	10.868	43	45	1.892	ug/l	# 27
76) 1,2,3-Trichloropropane	12.477	75	1416	37.645	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	1416	81.374	ug/l	# 11
94) Hexachlorobutadiene	15.117	225	59	1.637	ug/l	# 18
96) 1,2,3-Trichlorobenzene	15.428	180	63	1.116	ug/l	# 60

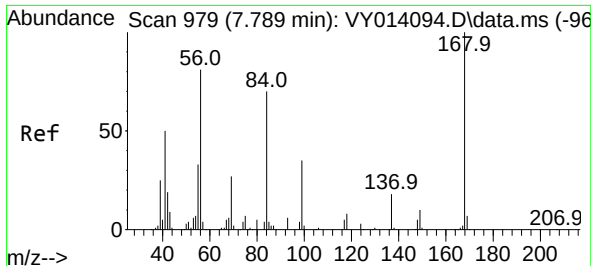
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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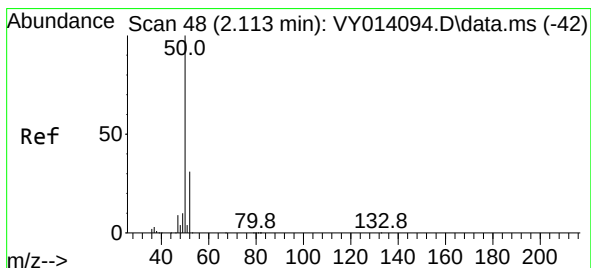
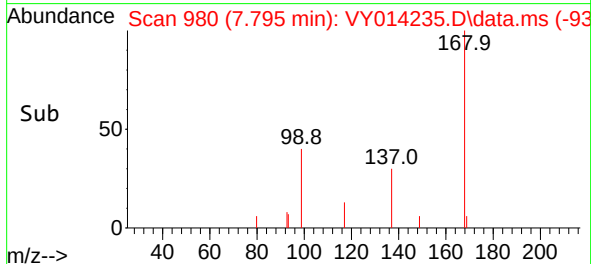
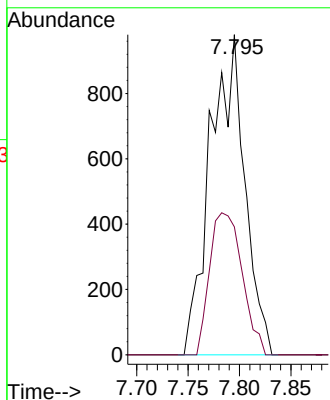
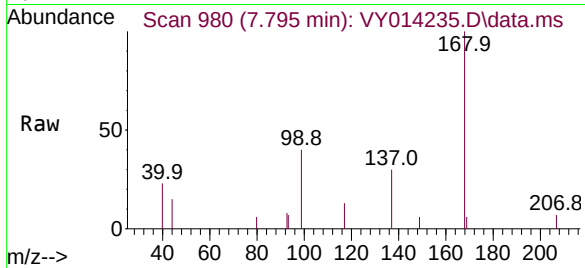




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

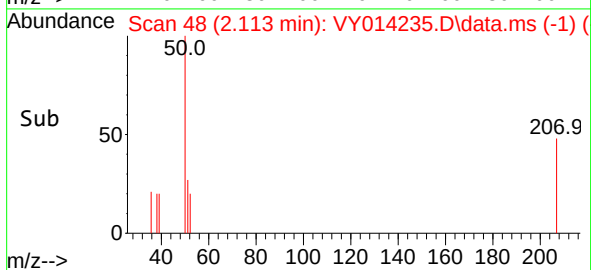
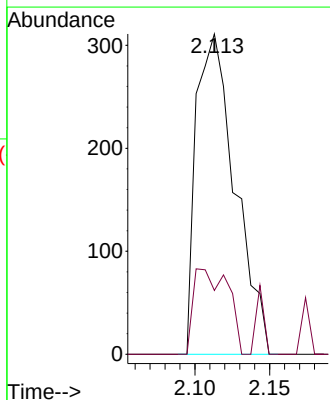
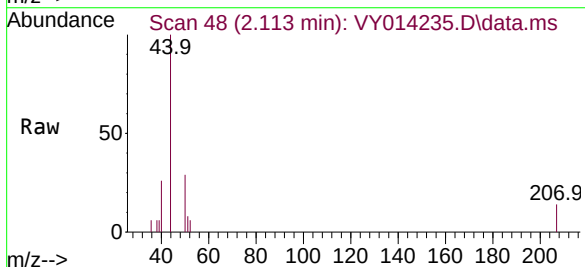
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WC-1

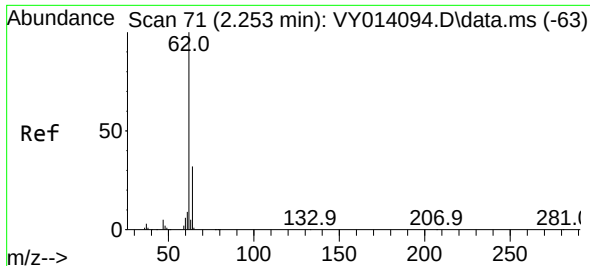
Tgt Ion:168 Resp: 2282
Ion Ratio Lower Upper
168 100
99 40.0 43.4 65.0#



#3
Chloromethane
Concen: 17.459 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 19.9 25.4 38.2#

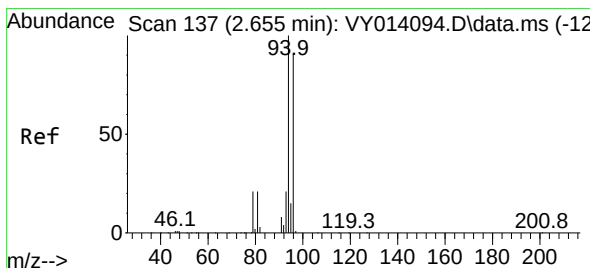
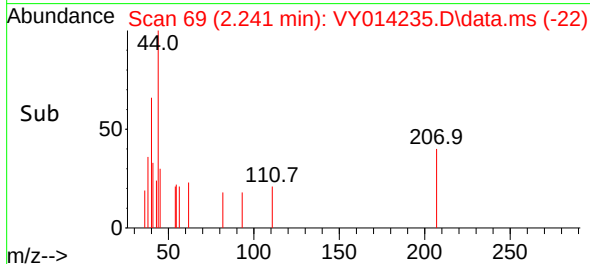
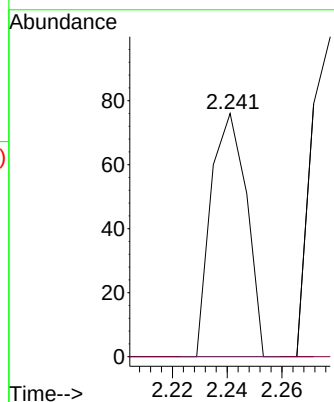
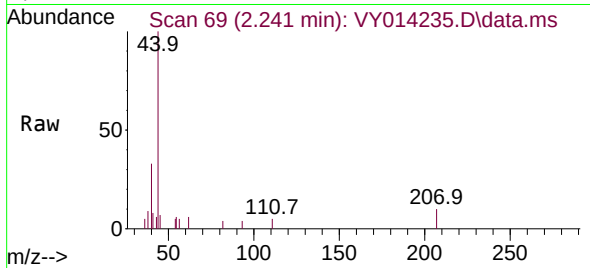




#4
 Vinyl Chloride
 Concen: 2.169 ug/l
 RT: 2.241 min Scan# 64
 Delta R.T. -0.012 min
 Lab File: VY014235.D
 Acq: 19 Jun 2023 18:08

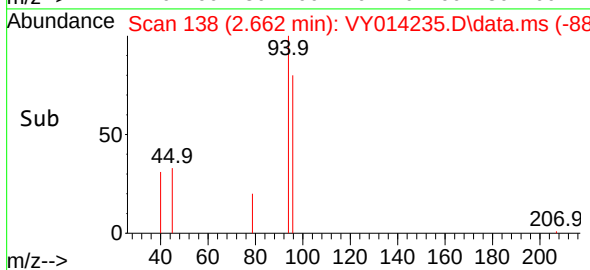
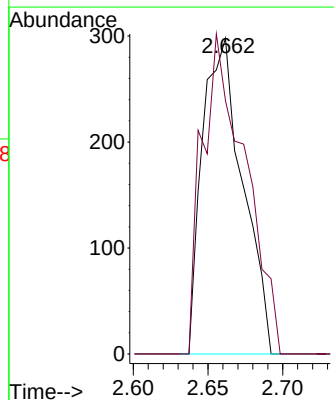
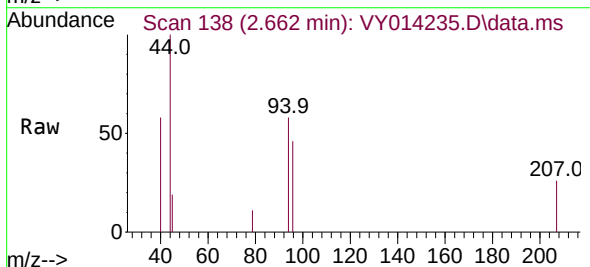
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

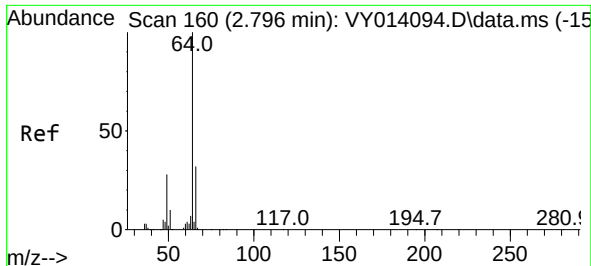
Tgt Ion: 62 Resp: 68
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 21.532 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.007 min
 Lab File: VY014235.D
 Acq: 19 Jun 2023 18:08

Tgt Ion: 94 Resp: 557
 Ion Ratio Lower Upper
 94 100
 96 80.2 75.8 113.6

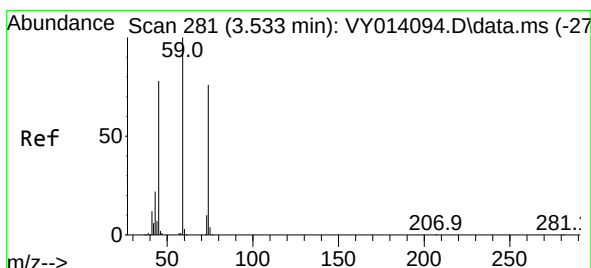
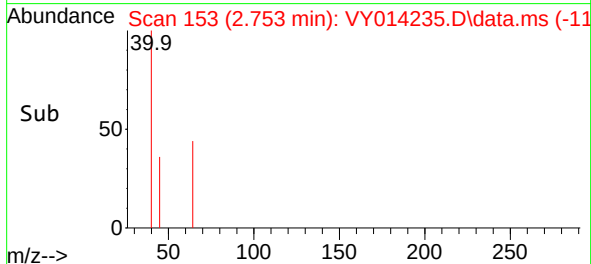
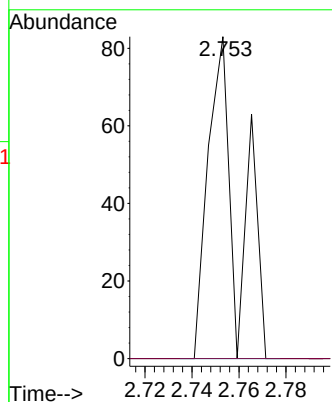
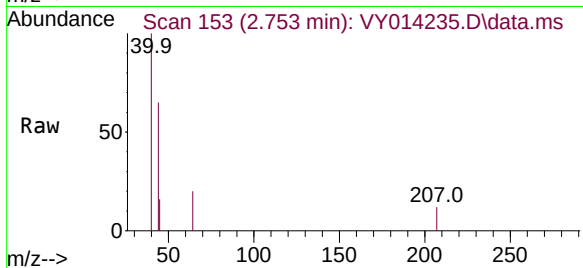




#6
Chloroethane
Concen: 3.473 ug/l
RT: 2.753 min Scan# 11
Delta R.T. -0.043 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

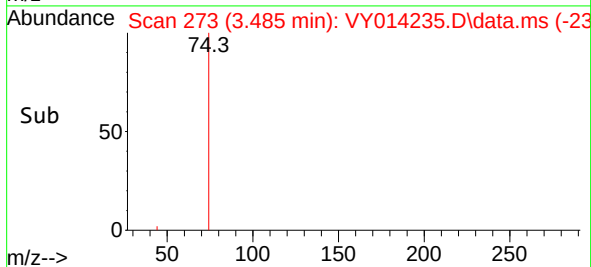
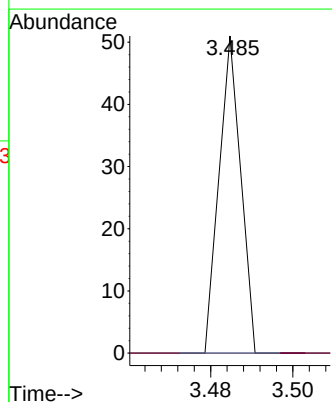
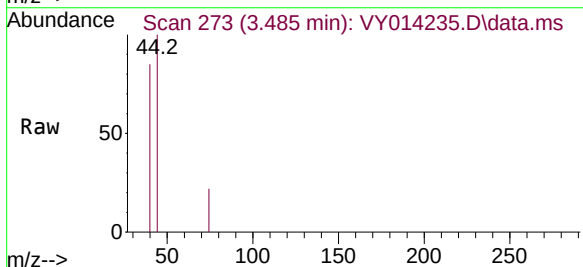
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

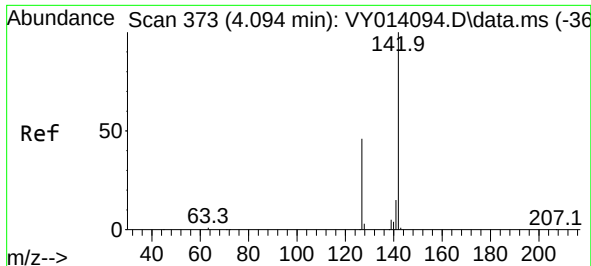
Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#8
Diethyl Ether
Concen: 1.117 ug/l
RT: 3.485 min Scan# 273
Delta R.T. -0.048 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 0.0 51.5 154.5#

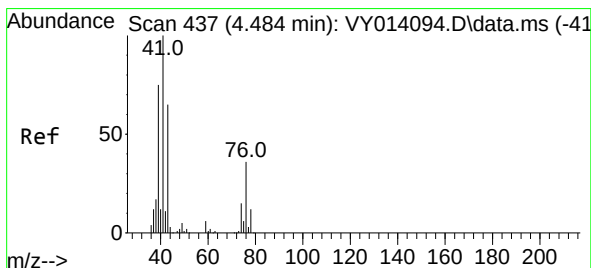
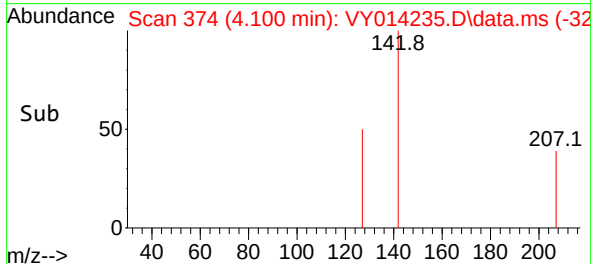
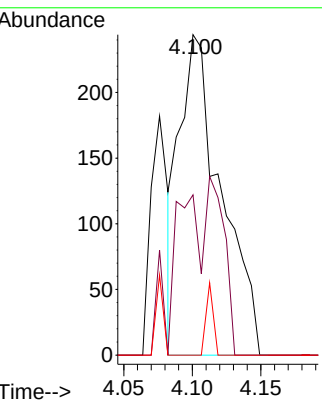
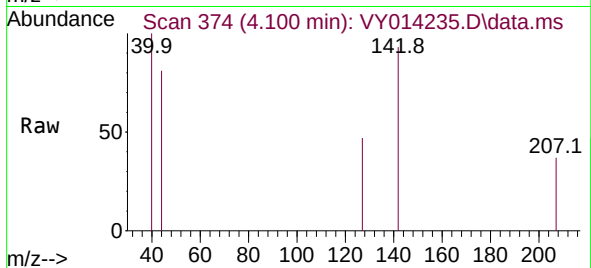




#10
Methyl Iodide
Concen: 15.378 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

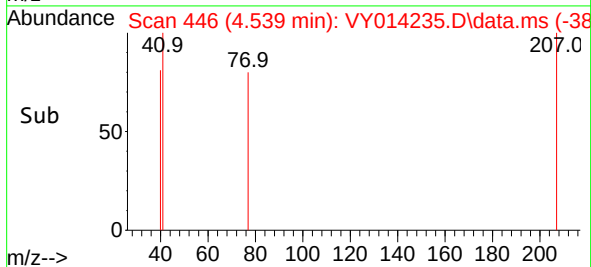
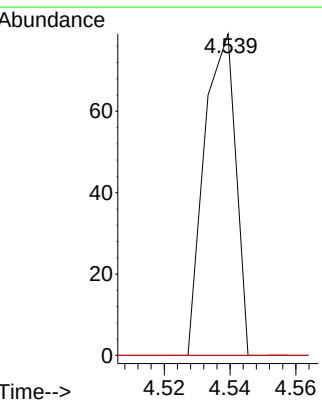
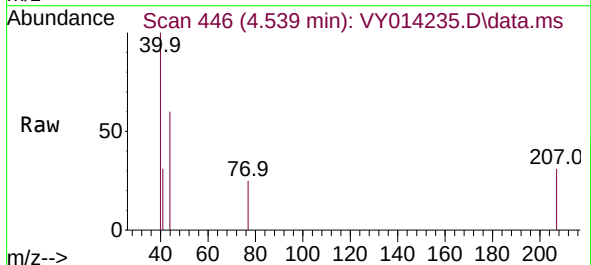
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

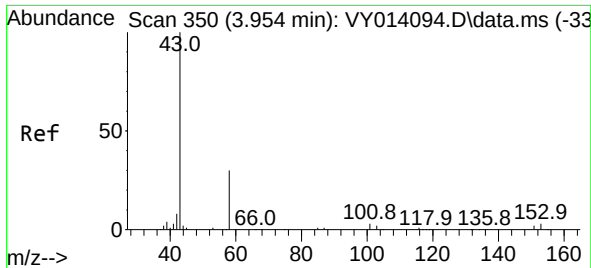
Tgt Ion:142 Resp: 522
Ion Ratio Lower Upper
142 100
127 34.5 37.6 56.4#
141 0.0 11.8 17.8#



#14
Allyl chloride
Concen: 1.101 ug/l
RT: 4.539 min Scan# 446
Delta R.T. 0.055 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 41 Resp: 52
Ion Ratio Lower Upper
41 100
39 0.0 58.0 87.0#
76 0.0 27.4 41.2#





#16

Acetone

Concen: 36.331 ug/l

RT: 3.930 min Scan# 34

Delta R.T. -0.024 min

Lab File: VY014235.D

Acq: 19 Jun 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

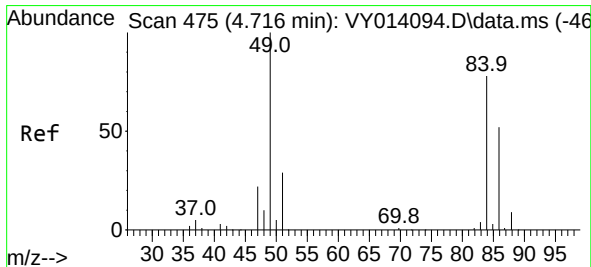
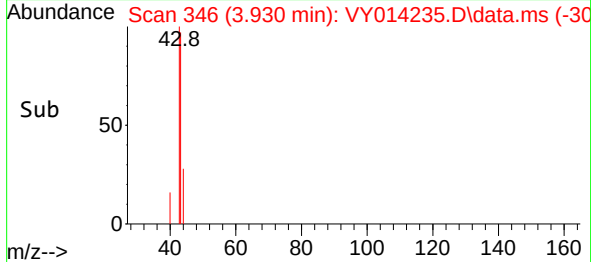
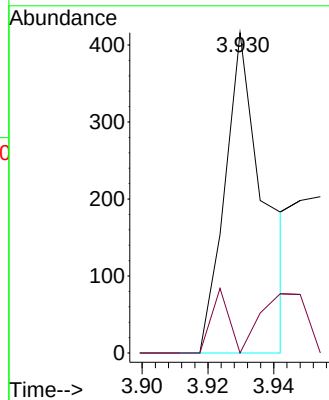
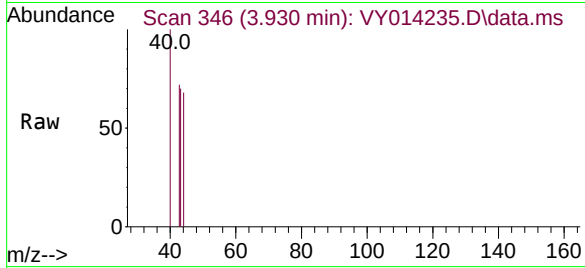
WC-1

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 47.816 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY014235.D

Acq: 19 Jun 2023 18:08

Tgt Ion: 84 Resp: 1467

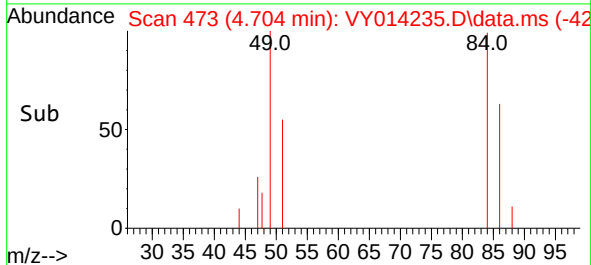
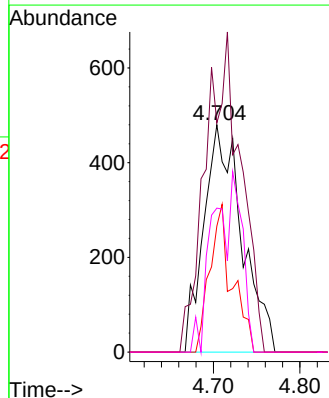
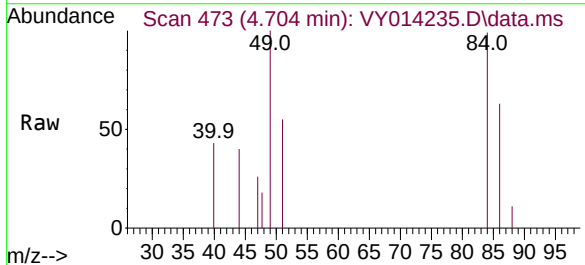
Ion Ratio Lower Upper

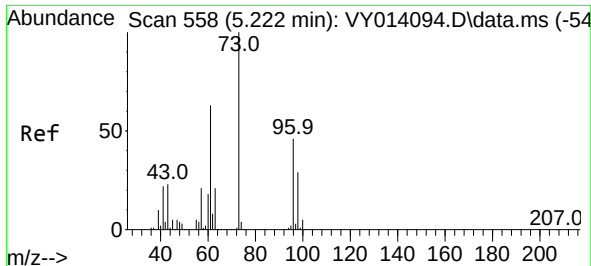
84 100

49 100.8 106.9 160.3#

51 55.4 33.2 49.8#

86 63.3 51.0 76.6

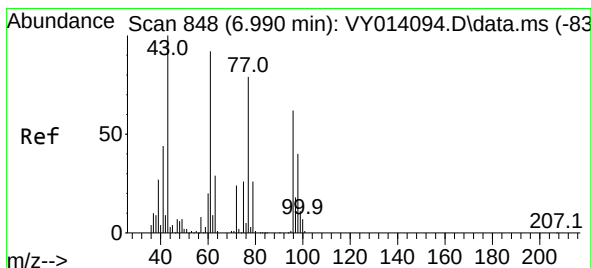
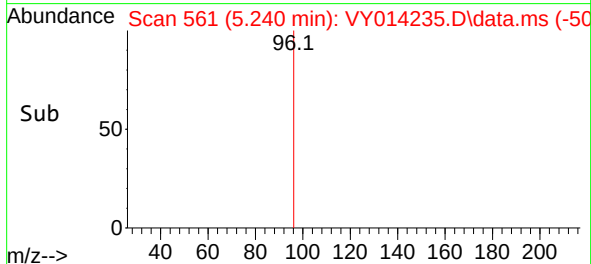
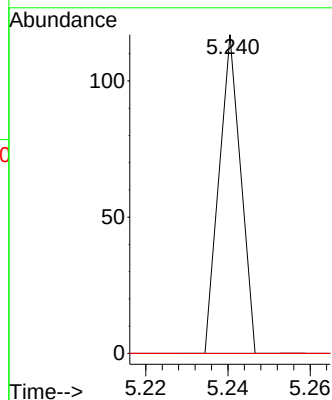
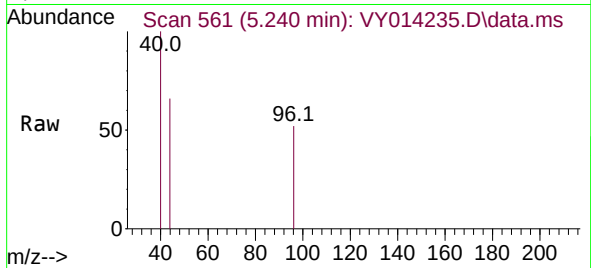




#21
trans-1,2-Dichloroethene
Concen: 1.480 ug/l
RT: 5.240 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

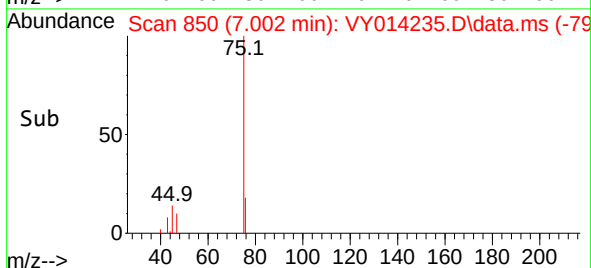
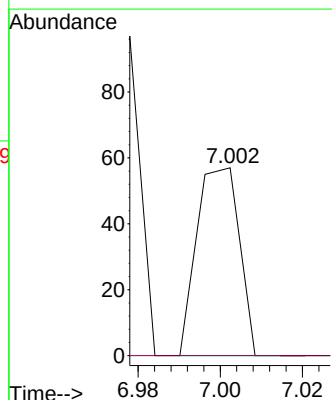
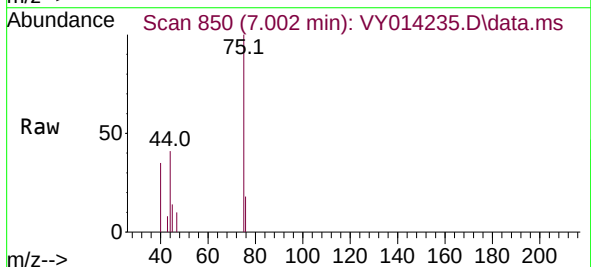
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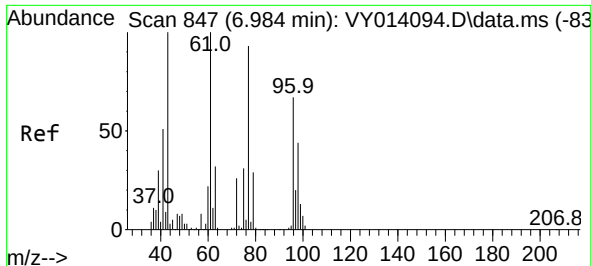
Tgt Ion: 96 Resp: 43
Ion Ratio Lower Upper
96 100
61 0.0 110.2 165.4#
98 0.0 51.8 77.6#



#25
2-Butanone
Concen: 3.477 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

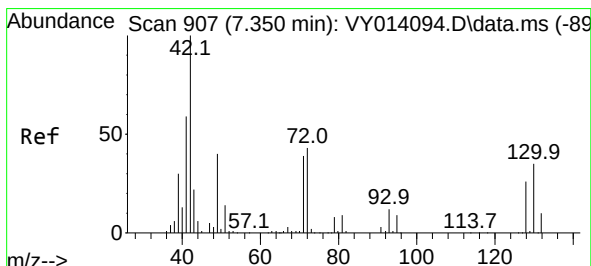
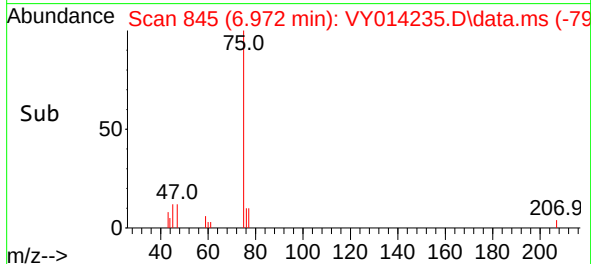
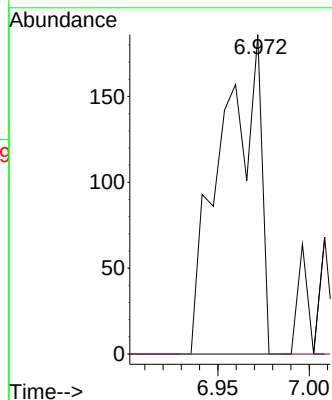
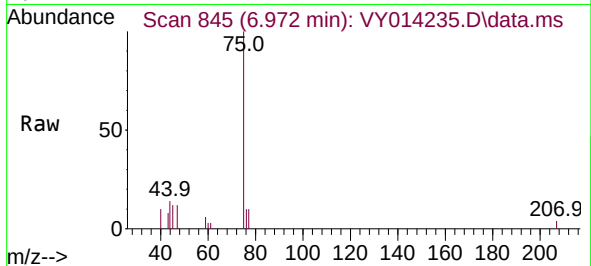




#26
2,2-Dichloropropane
Concen: 5.718 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

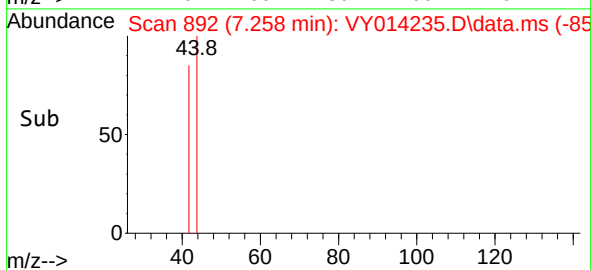
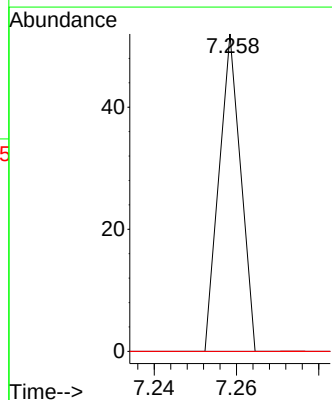
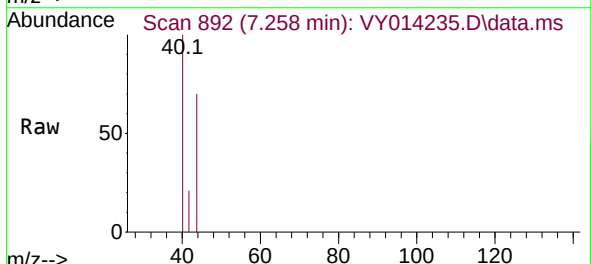
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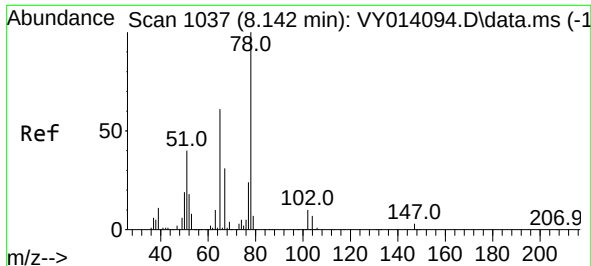
Tgt Ion: 77 Resp: 280
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 2.541 ug/l
RT: 7.258 min Scan# 892
Delta R.T. -0.092 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 42 Resp: 19
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#

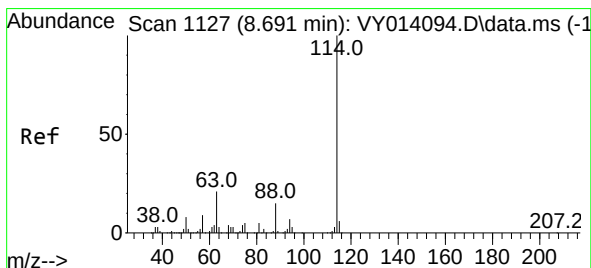
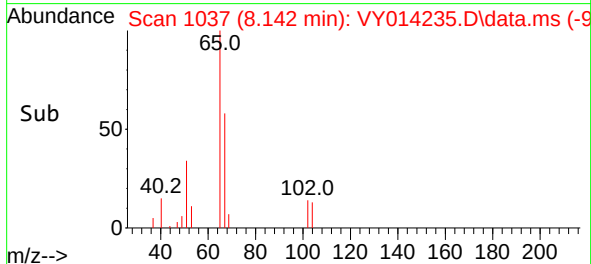
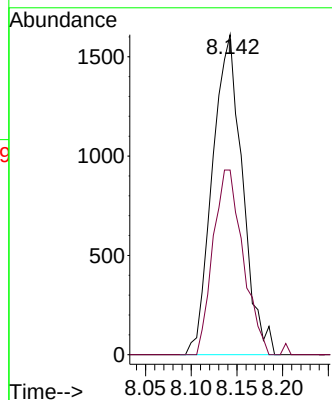
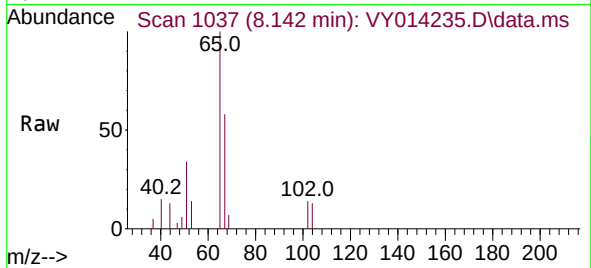




#33
 1,2-Dichloroethane-d4
 Concen: 115.932 ug/l
 RT: 8.142 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: VY014235.D
 Acq: 19 Jun 2023 18:08

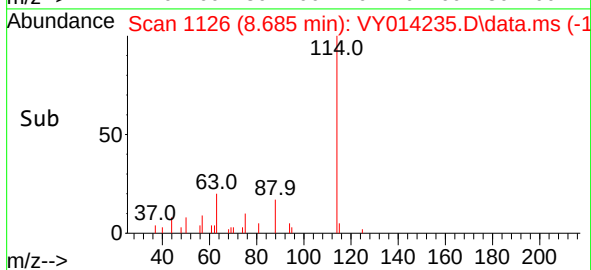
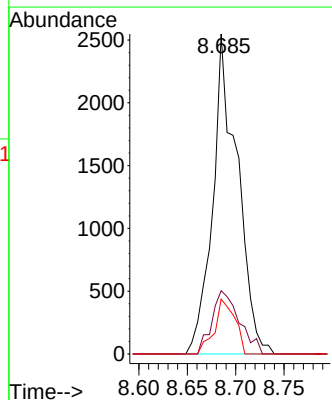
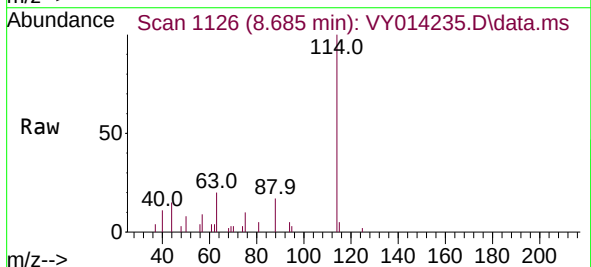
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

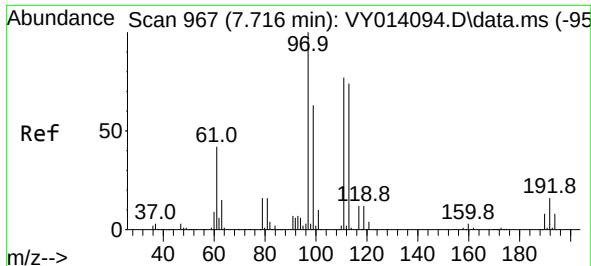
Tgt Ion: 65 Resp: 3684
 Ion Ratio Lower Upper
 65 100
 67 57.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014235.D
 Acq: 19 Jun 2023 18:08

Tgt Ion: 114 Resp: 4533
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 17.2 0.0 30.6

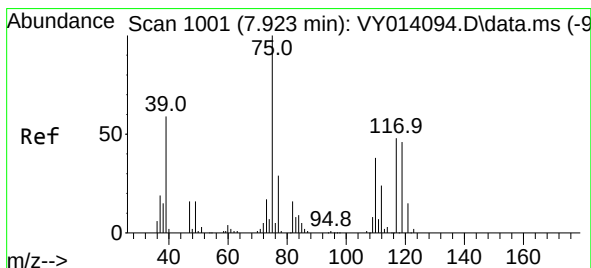
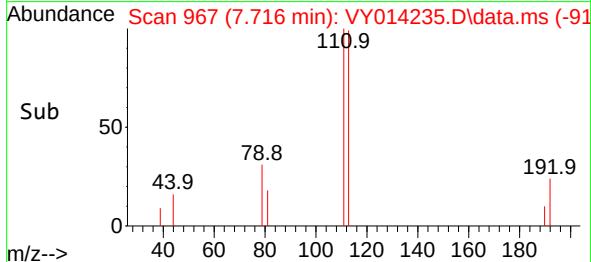
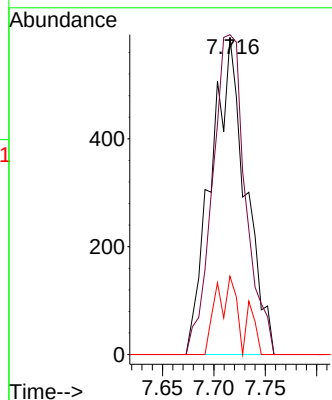
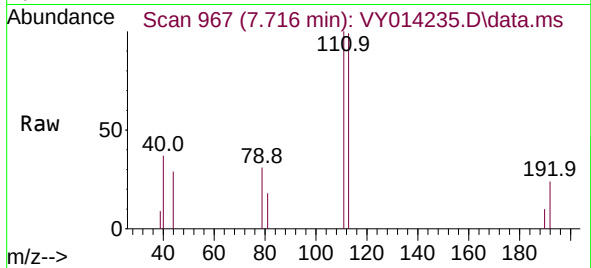




#35
Dibromofluoromethane
Concen: 43.114 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

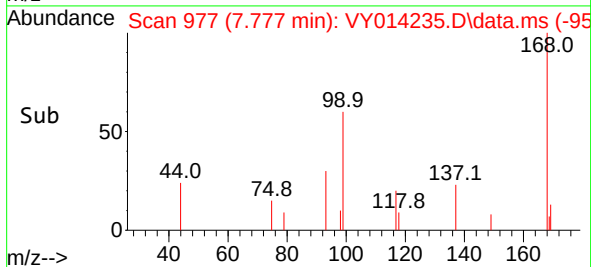
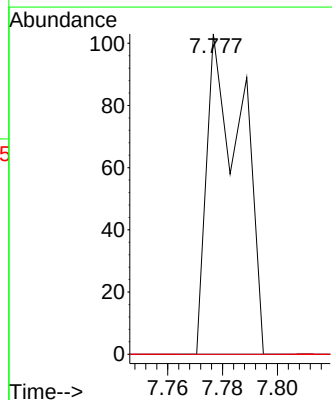
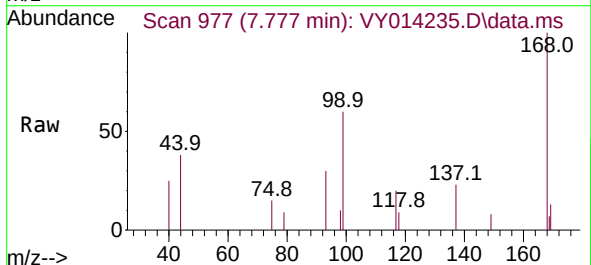
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

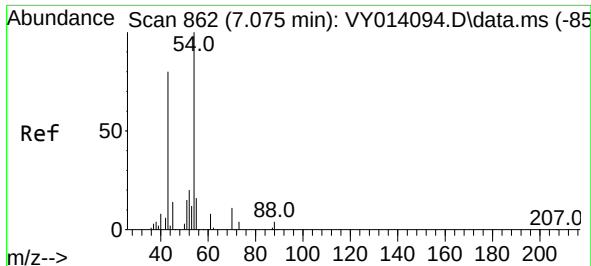
Tgt Ion:113 Resp: 1386
Ion Ratio Lower Upper
113 100
111 95.7 81.3 121.9
192 13.8 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 1.816 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.146 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

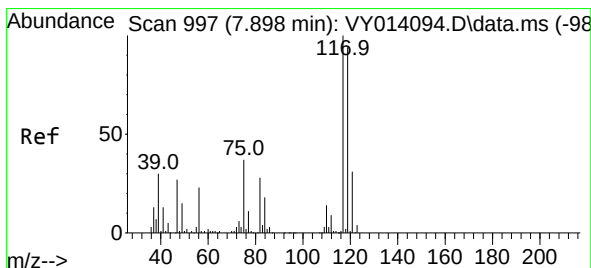
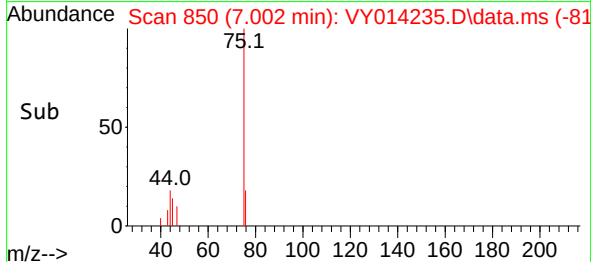
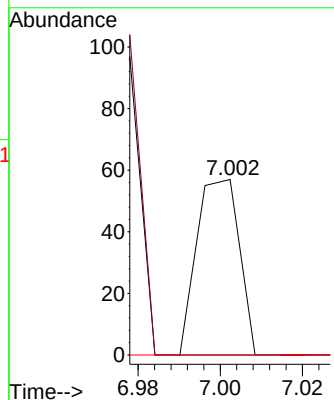
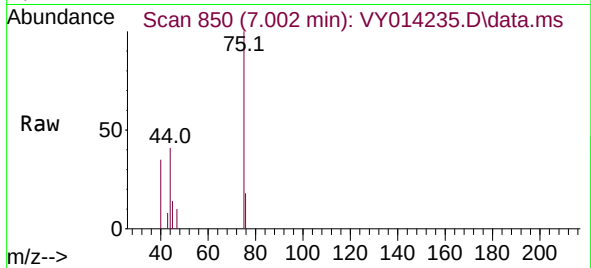




#37
Ethyl Acetate
Concen: 1.186 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.073 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

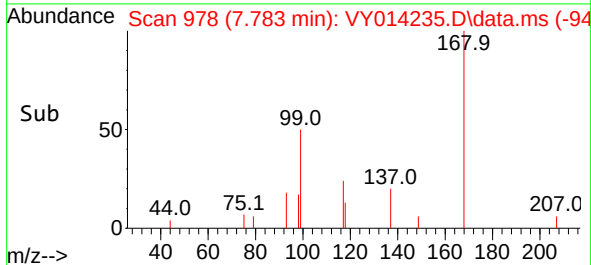
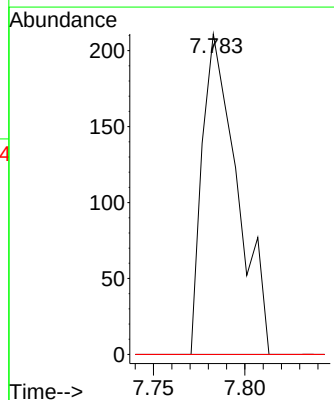
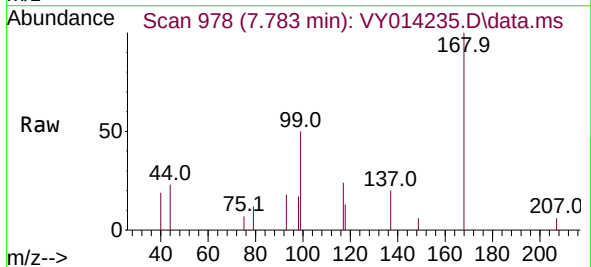
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

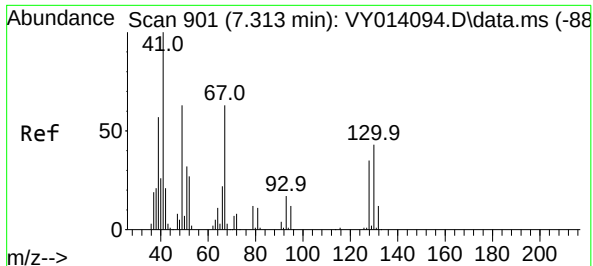
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.859 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 117 Resp: 281
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

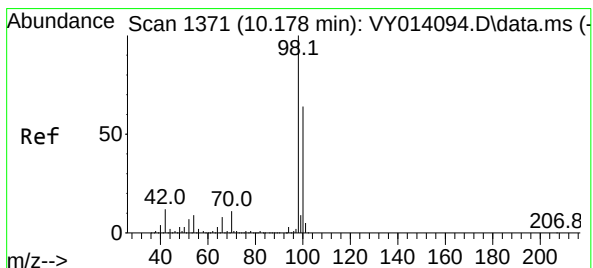
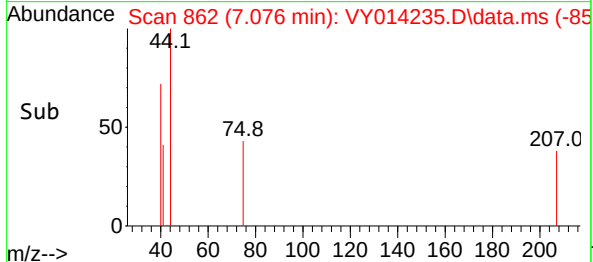
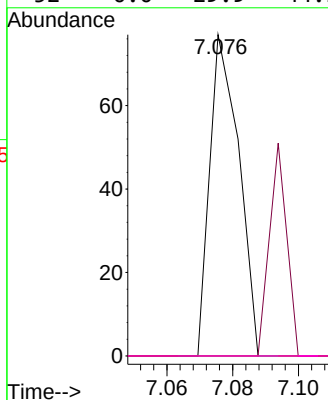
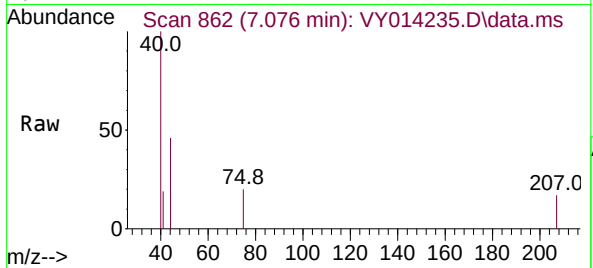




#41
Methacrylonitrile
Concen: 2.663 ug/l
RT: 7.076 min Scan# 80
Delta R.T. -0.237 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

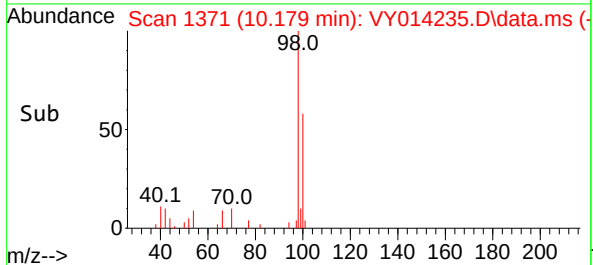
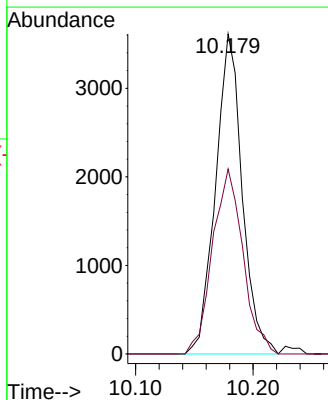
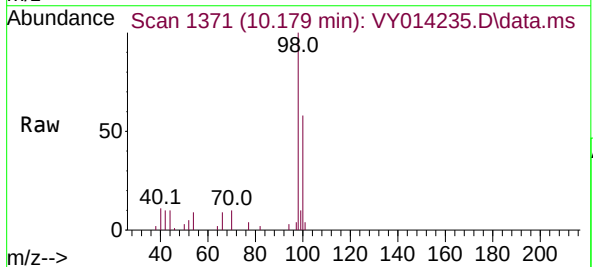
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

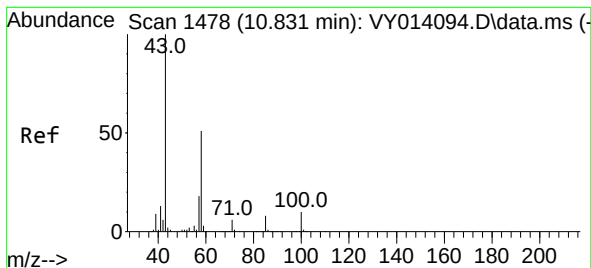
Tgt Ion: 41	Resp: 47
Ion Ratio	Lower Upper
41 100	
39 40.4	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 47.477 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 98	Resp: 5706		
Ion Ratio	Lower	Upper	
98 100			
100 65.8	50.1	75.1	

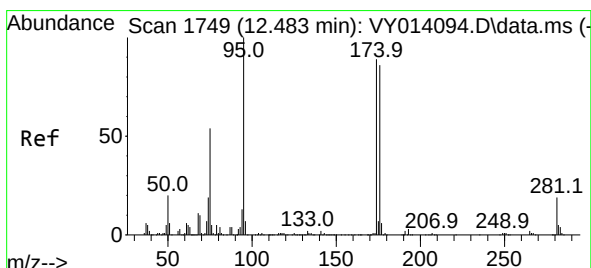
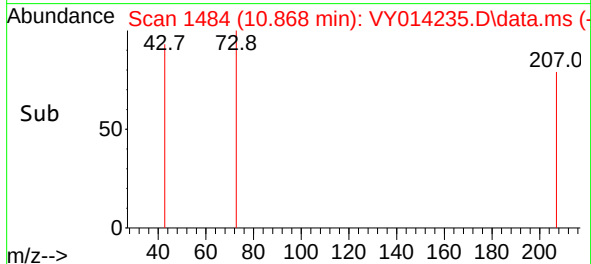
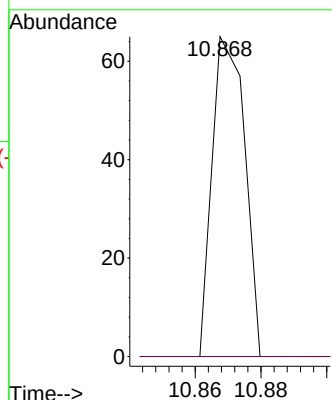
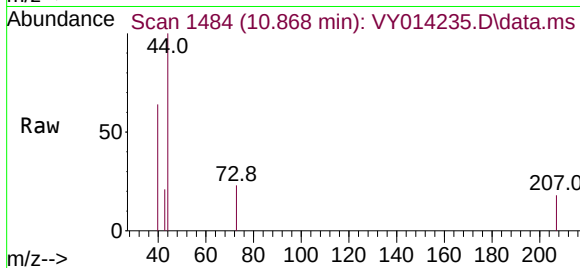




#59
2-Hexanone
Concen: 1.892 ug/l
RT: 10.868 min Scan# 1478
Delta R.T. 0.037 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

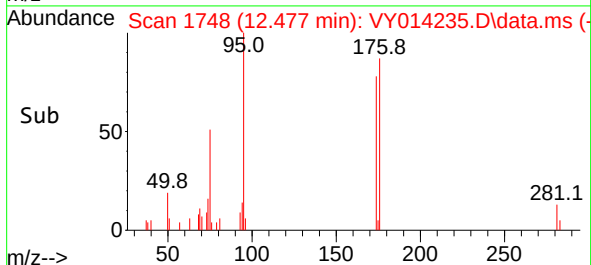
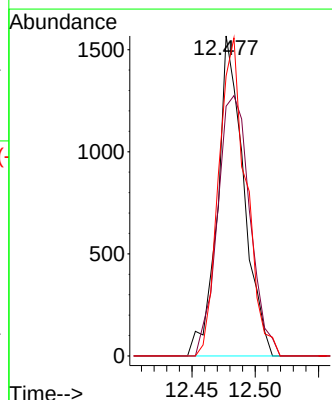
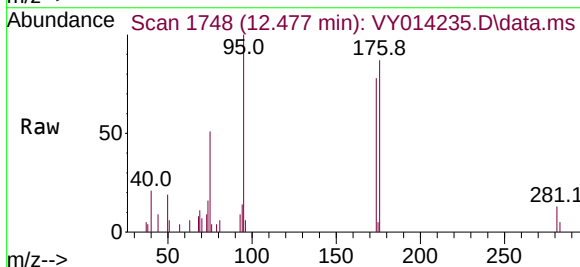
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

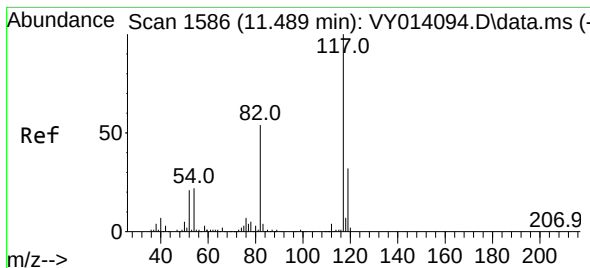
Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 52.772 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 95 Resp: 2253
Ion Ratio Lower Upper
95 100
174 100.4 0.0 178.2
176 104.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014235.D

Acq: 19 Jun 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

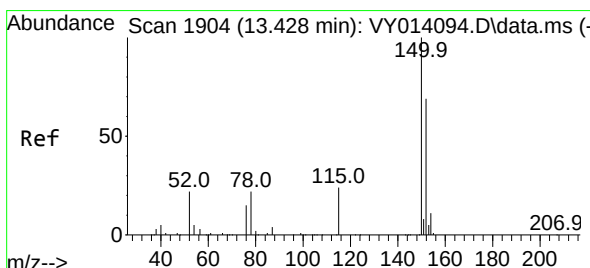
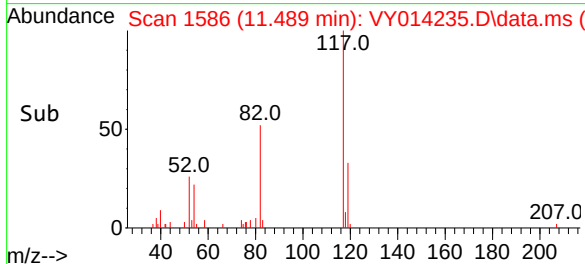
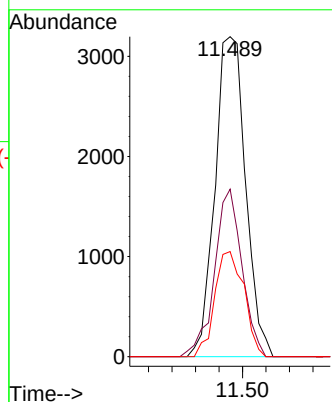
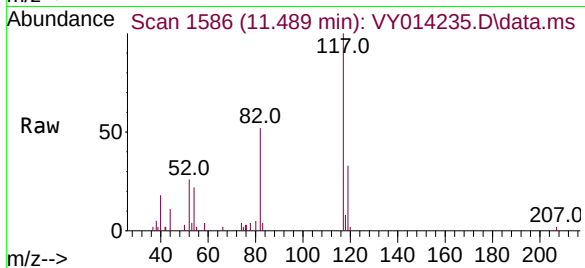
Tgt Ion:117 Resp: 5794

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014235.D

Acq: 19 Jun 2023 18:08

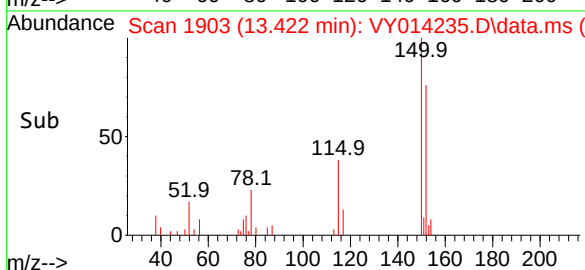
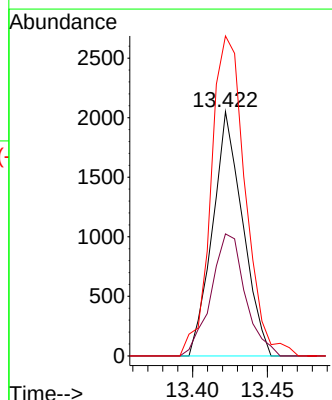
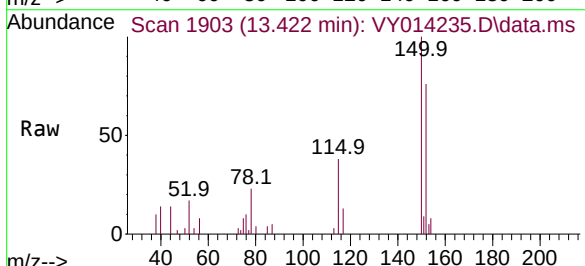
Tgt Ion:152 Resp: 2867

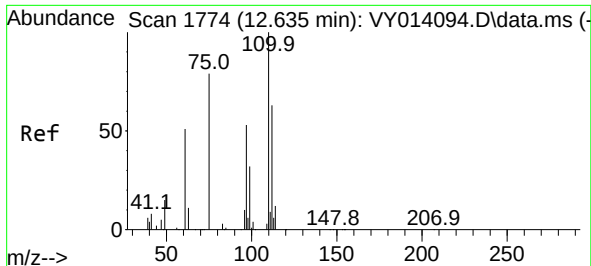
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 149.0 0.0 348.8

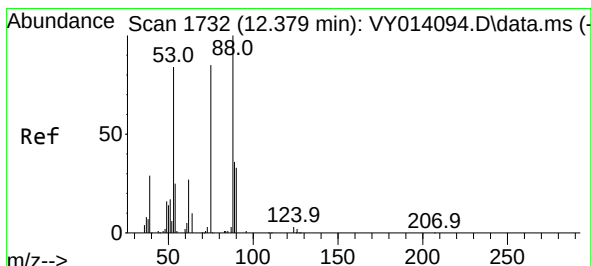
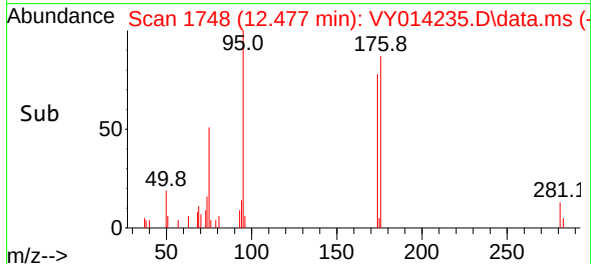
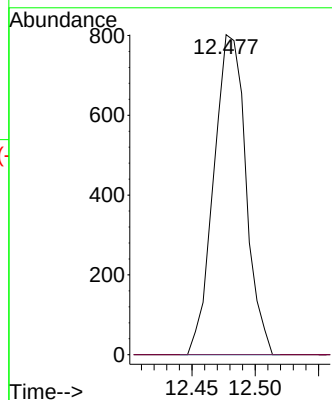
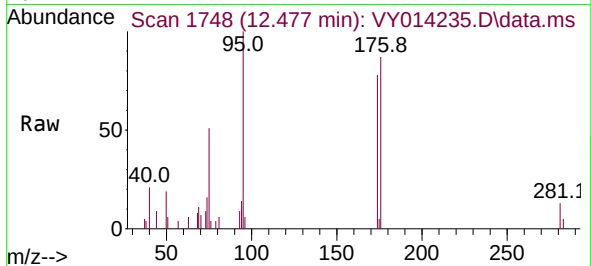




#76
1,2,3-Trichloropropane
Concen: 37.645 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

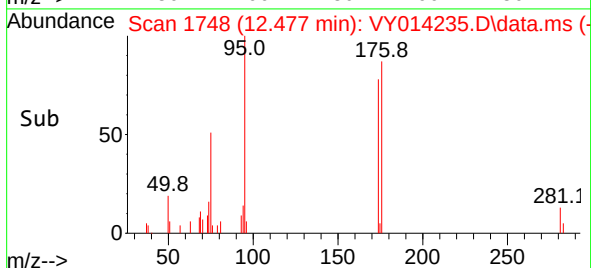
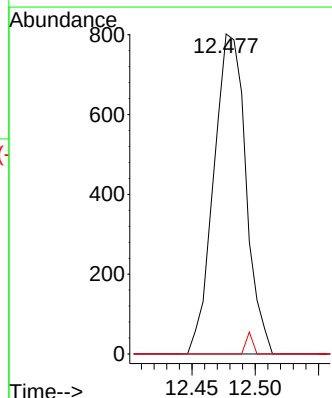
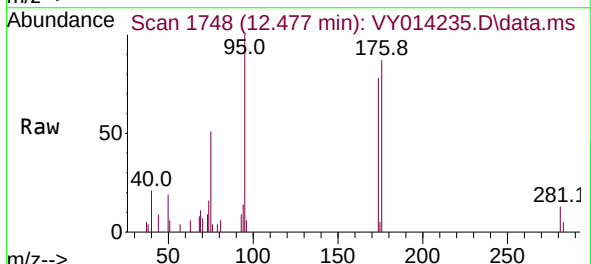
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

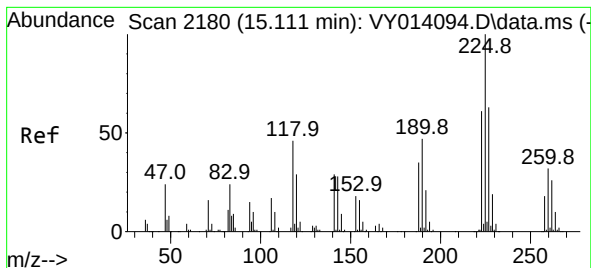
Tgt Ion: 75 Resp: 1416
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 81.374 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014235.D
Acq: 19 Jun 2023 18:08

Tgt Ion: 75 Resp: 1416
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 1.4 37.4 56.0#





#94

Hexachlorobutadiene

Concen: 1.637 ug/l

RT: 15.117 min Scan# 2180

Delta R.T. 0.006 min

Lab File: VY014235.D

Acq: 19 Jun 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

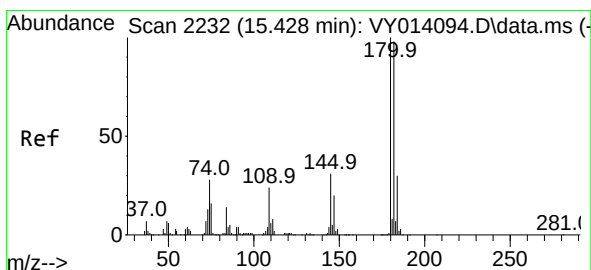
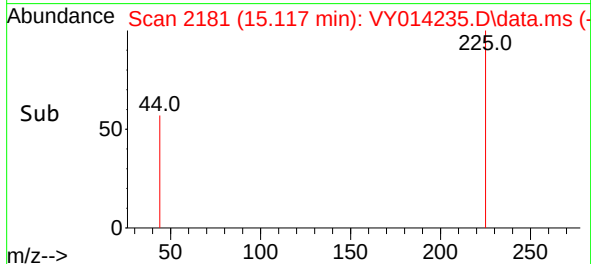
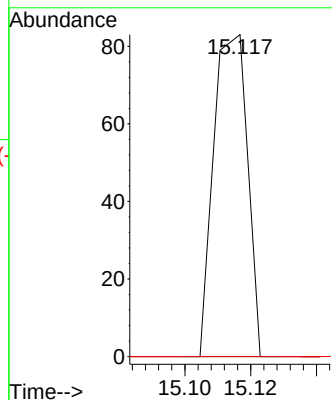
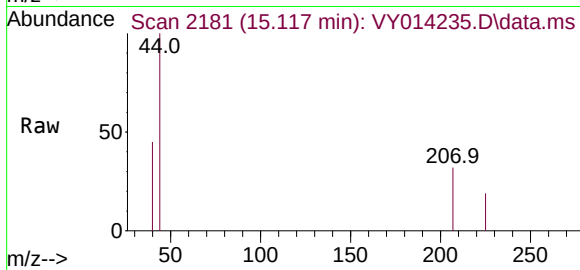
Tgt Ion:225 Resp: 59

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.9#

227 0.0 33.0 98.9#



#96

1,2,3-Trichlorobenzene

Concen: 1.116 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY014235.D

Acq: 19 Jun 2023 18:08

Tgt Ion:180 Resp: 63

Ion Ratio Lower Upper

180 100

182 60.3 47.3 141.8

145 0.0 15.4 46.2#

