

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010511.D
 Acq On : 15 Sep 2022 15:16
 Operator : KP/MD
 Sample : N4630-04
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-1-GR

Quant Time: Sep 16 02:56:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

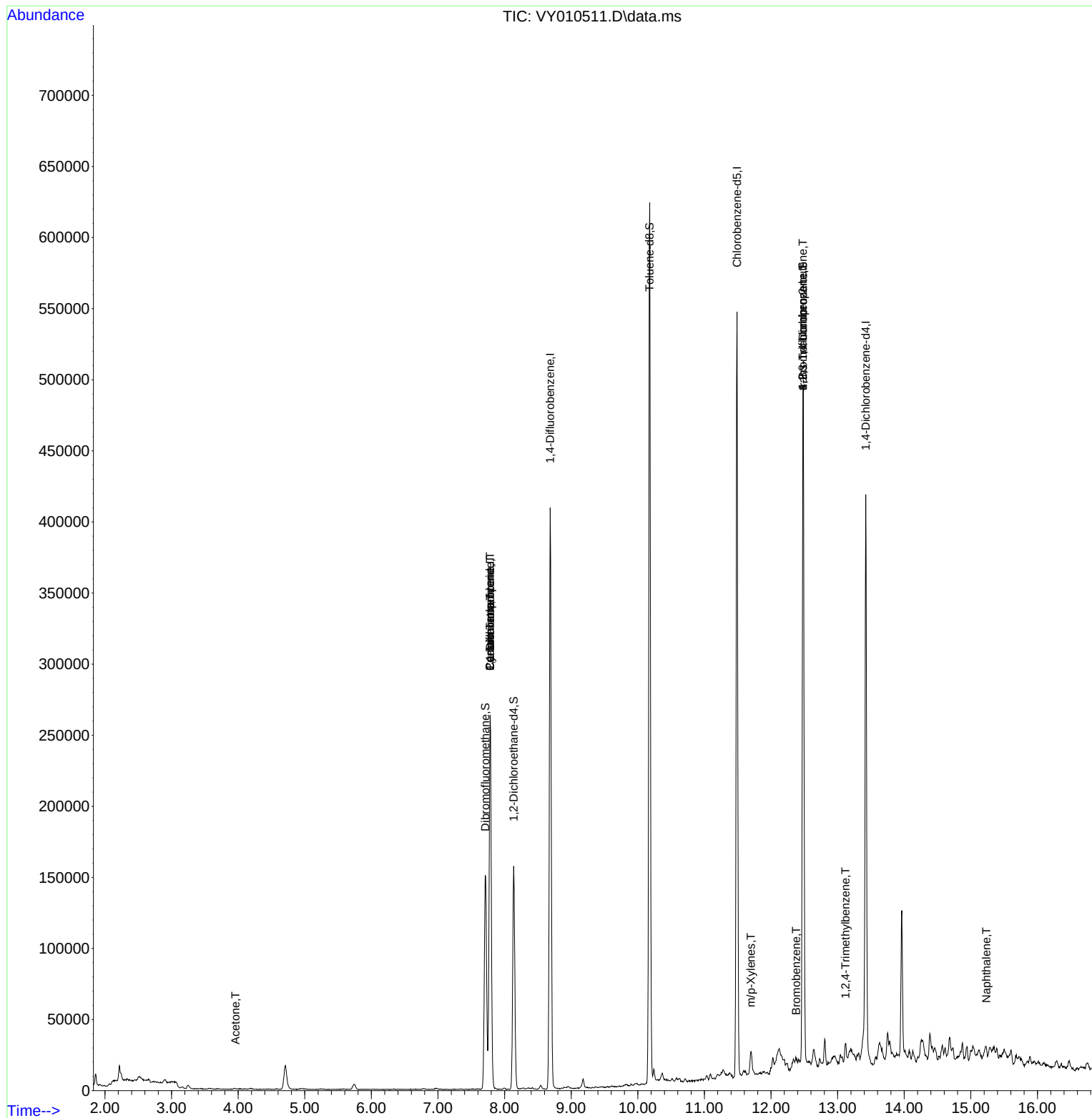
Internal Standards						
1) Pentafluorobenzene	7.783	168	205554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	296284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118599	57.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.580%
35) Dibromofluoromethane	7.710	113	108900	43.348	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.700%
50) Toluene-d8	10.179	98	409951	50.351	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.477	95	115652	33.847	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	67.700%
Target Compounds						
11) Tert butyl alcohol	4.966	59	1067	Below Cal	#	77
16) Acetone	3.960	43	1286	2.707	ug/l #	83
20) Methylene Chloride	4.710	84	12783	Below Cal		87
31) Cyclohexane	7.783	56	4404	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14952	4.347	ug/l #	52
38) Carbon Tetrachloride	7.783	117	20179	5.274	ug/l #	15
68) m/p-Xylenes	11.697	106	4933	1.071	ug/l	92
76) 1,2,3-Trichloropropane	12.477	75	61436	56.092	ug/l #	100
77) Bromobenzene	12.380	156	3598	1.961	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	61436	124.545	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	7834	1.226	ug/l	92
95) Naphthalene	15.233	128	5889	1.473	ug/l #	87

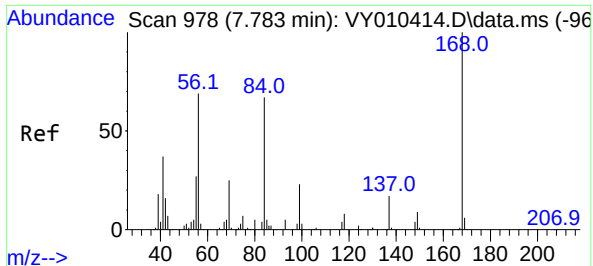
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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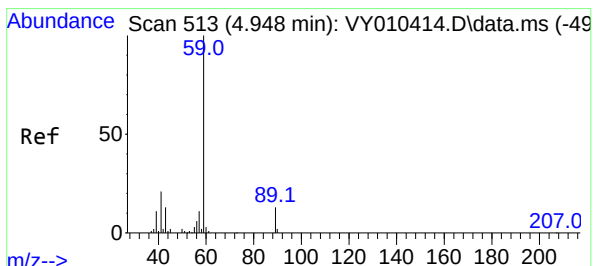
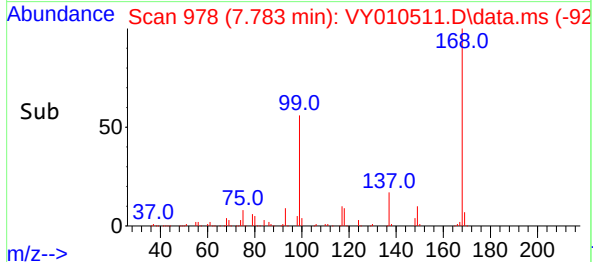
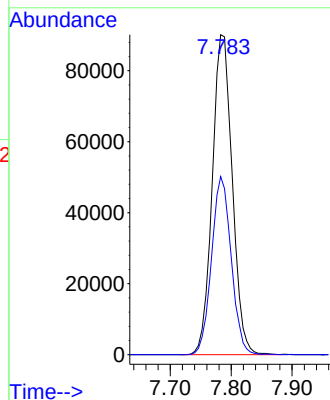
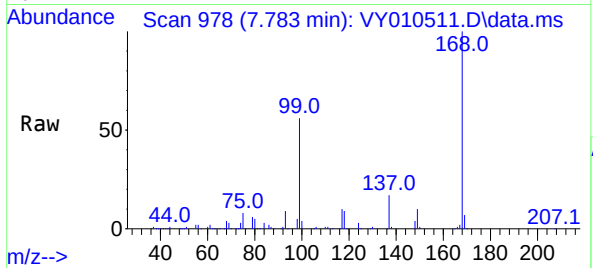




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

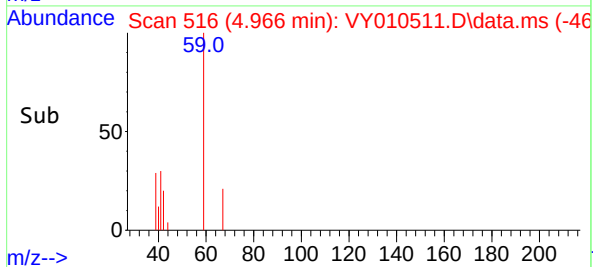
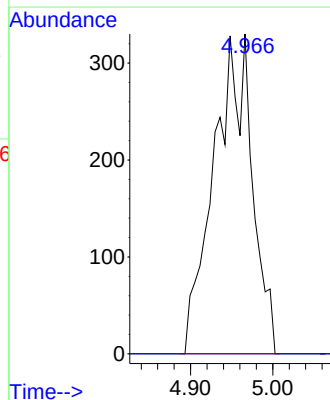
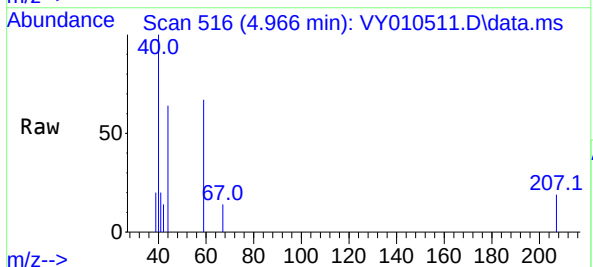
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

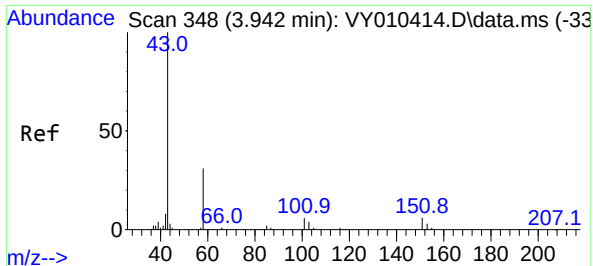
Tgt Ion:168 Resp: 205554
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion: 59 Resp: 1067
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

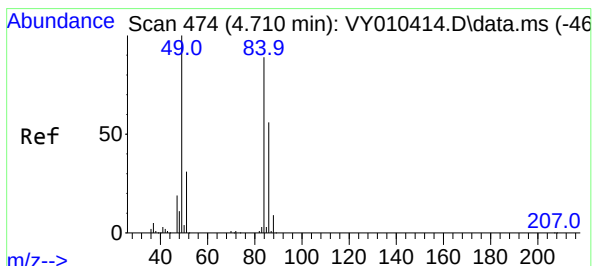
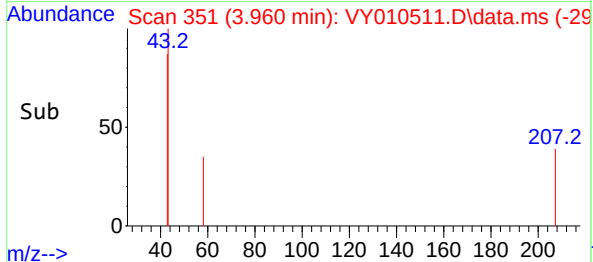
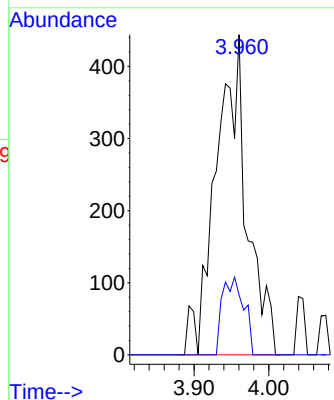
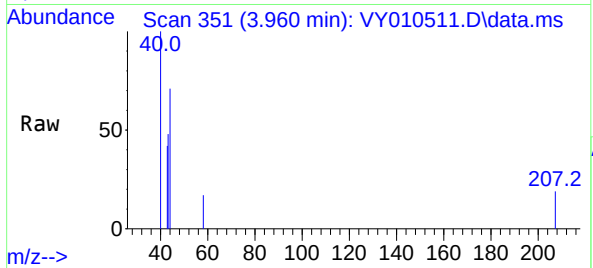




#16
Acetone
Concen: 2.707 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

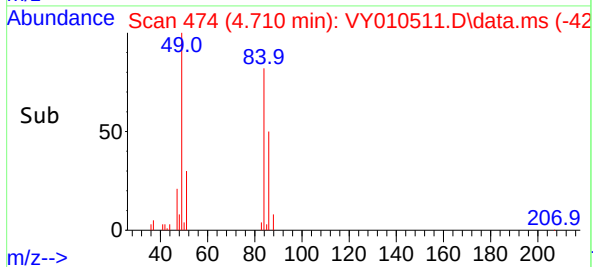
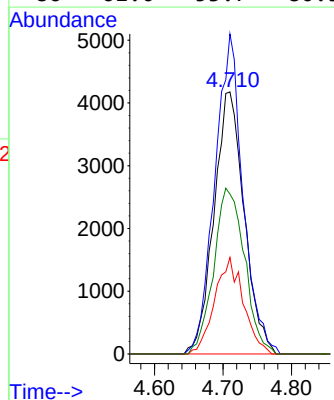
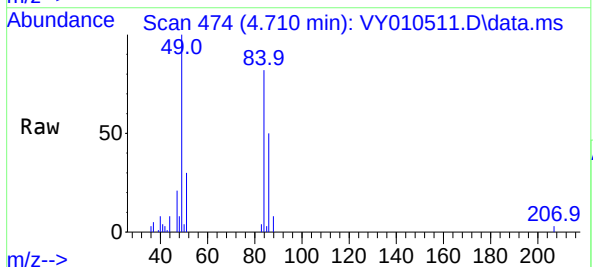
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

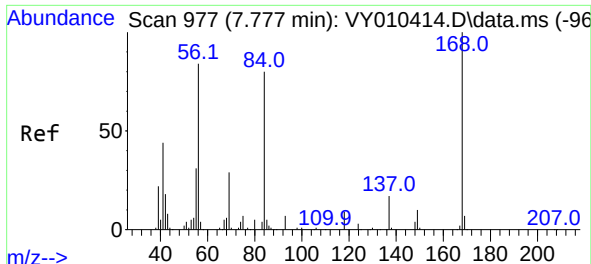
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 18.7 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion: 84 Resp: 12783
Ion Ratio Lower Upper
84 100
49 122.1 114.4 171.6
51 36.8 35.3 52.9
86 61.0 53.7 80.5

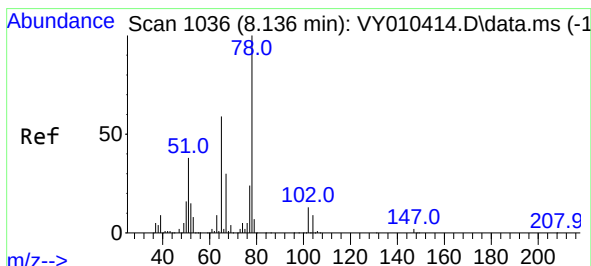
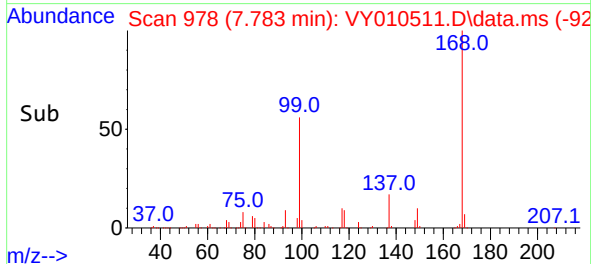
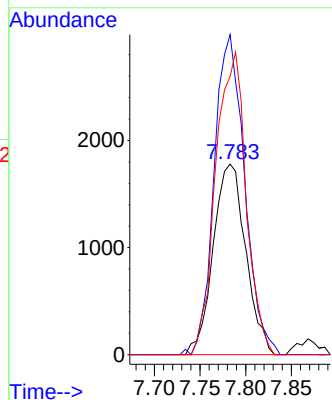
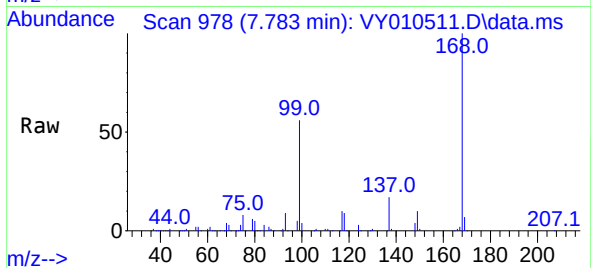




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

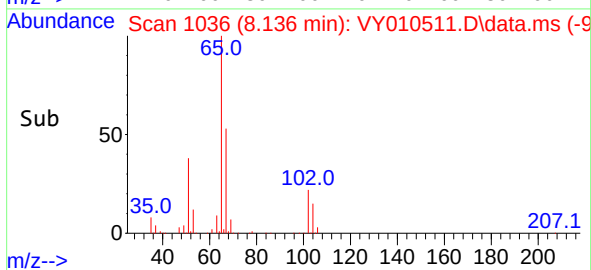
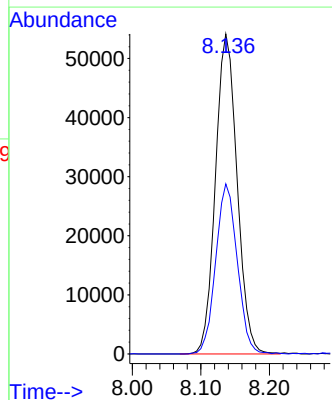
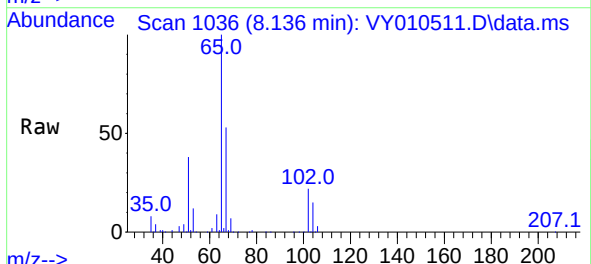
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

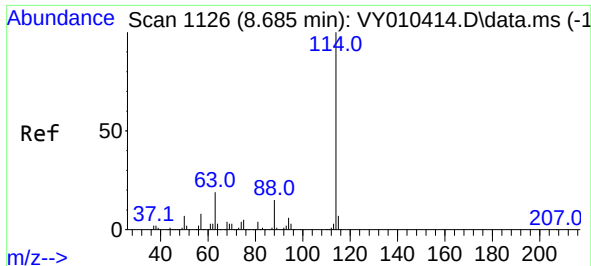
Tgt Ion: 56 Resp: 4404
Ion Ratio Lower Upper
56 100
69 167.9 26.7 40.1#
84 146.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.287 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion: 65 Resp: 118599
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4



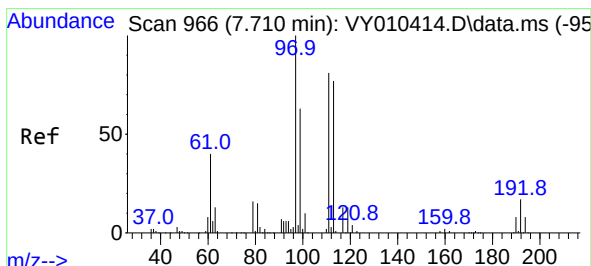
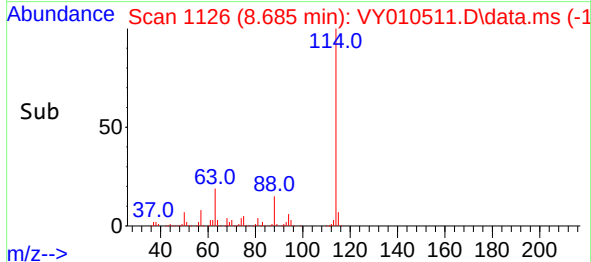
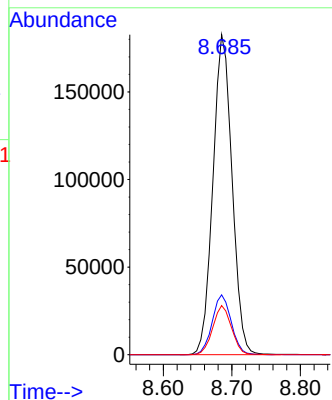
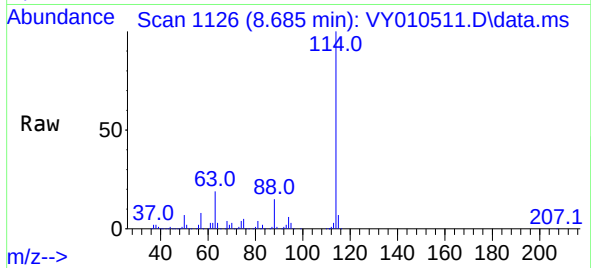


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

Tgt Ion:114 Resp: 353730

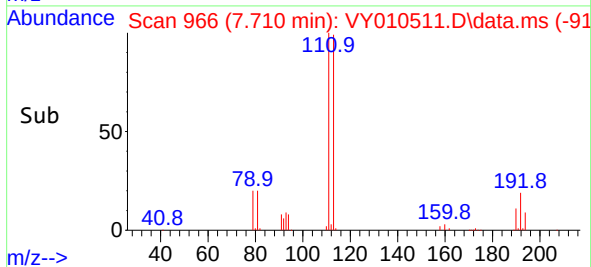
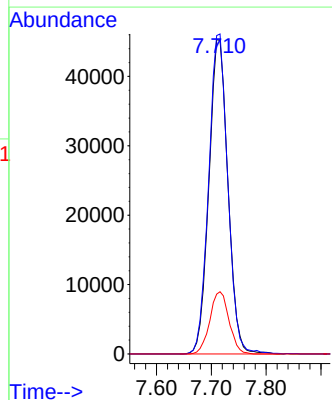
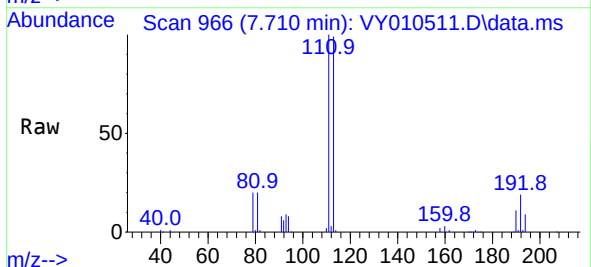
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	43.2
88	15.3	0.0	31.8

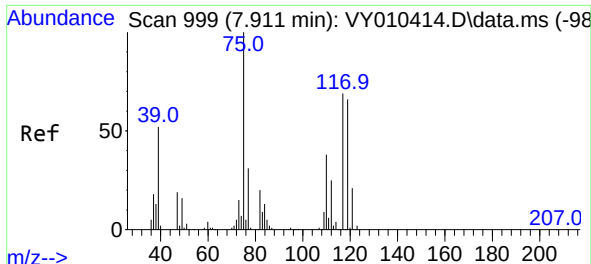


#35
Dibromofluoromethane
Concen: 43.348 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion:113 Resp: 108900

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	124.0
192	20.0	17.6	26.4

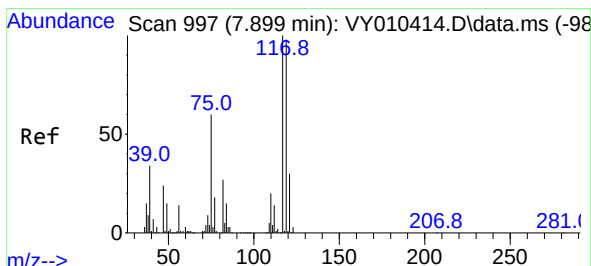
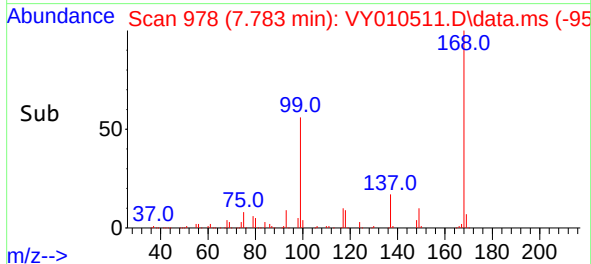
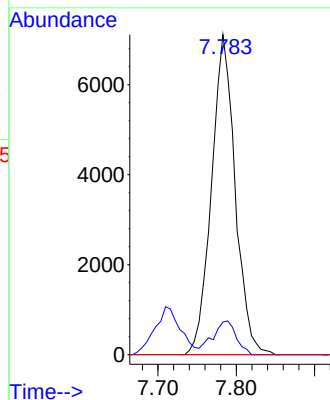
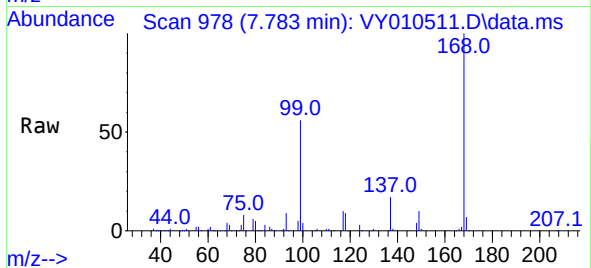




#36
 1,1-Dichloropropene
 Concen: 4.347 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY010511.D
 Acq: 15 Sep 2022 15:16

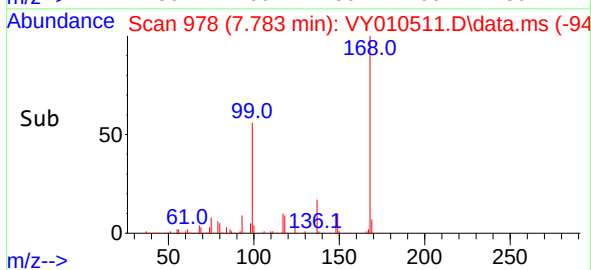
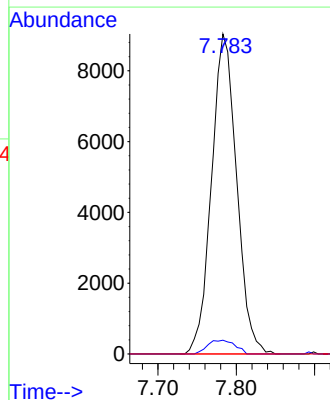
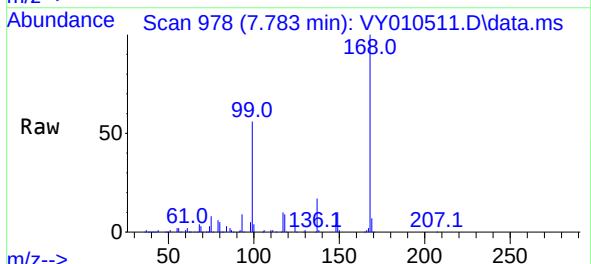
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-1-GR

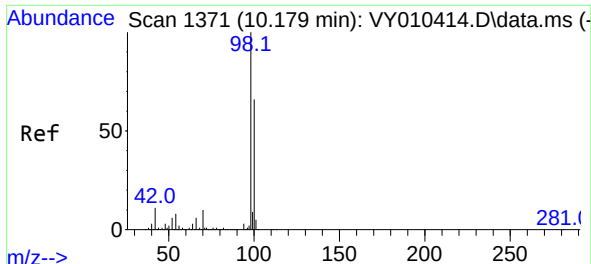
Tgt Ion: 75 Resp: 14952
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.274 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY010511.D
 Acq: 15 Sep 2022 15:16

Tgt Ion: 117 Resp: 20179
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.9 116.9#
 121 0.0 24.8 37.2#

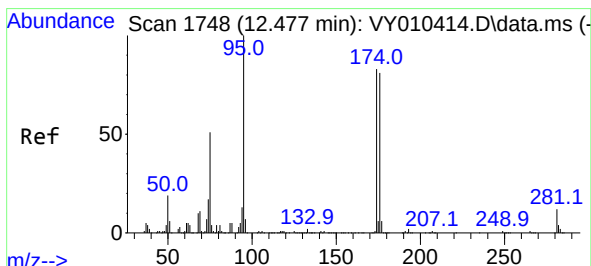
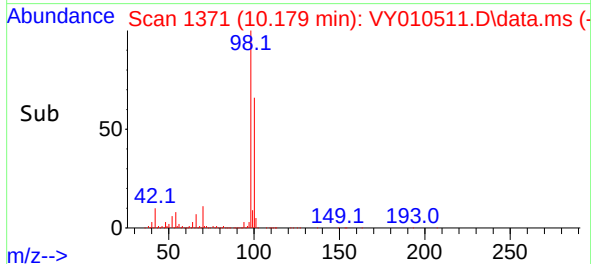
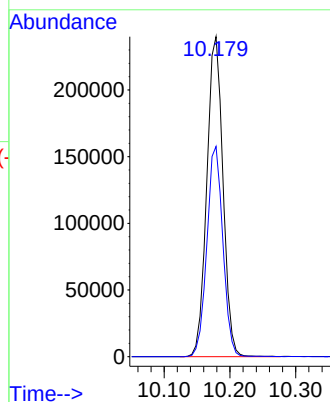
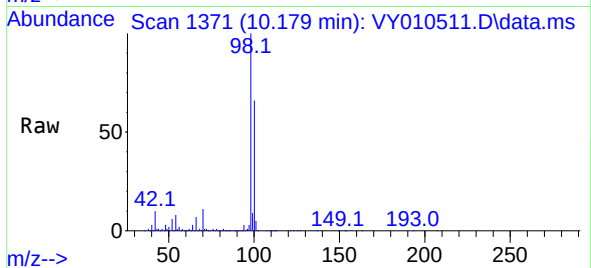




#50
Toluene-d8
Concen: 50.351 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

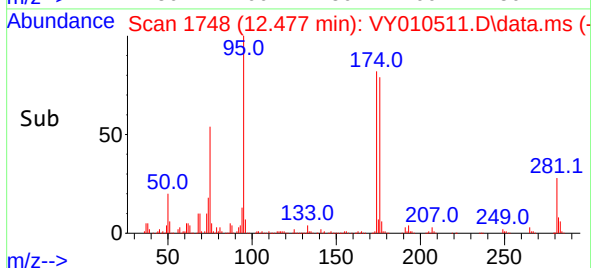
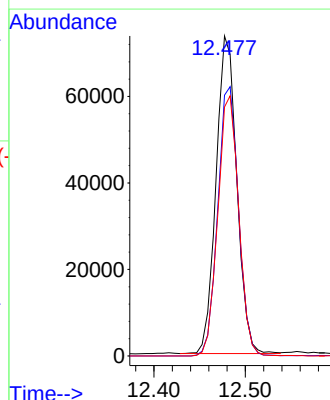
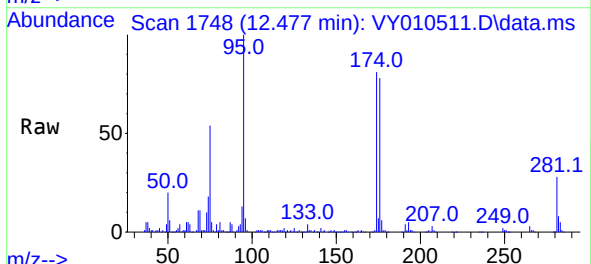
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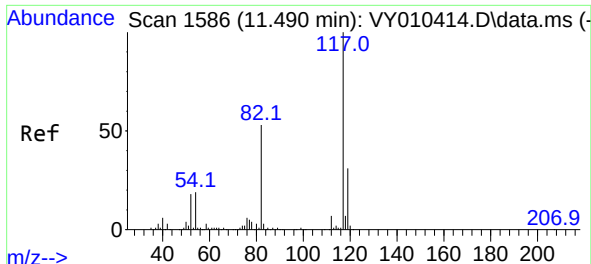
Tgt Ion: 98 Resp: 409951
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 33.847 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

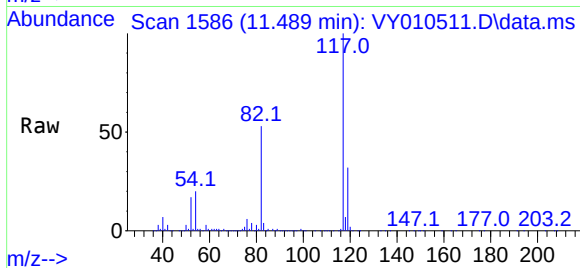
Tgt Ion: 95 Resp: 115652
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 82.6 0.0 175.8



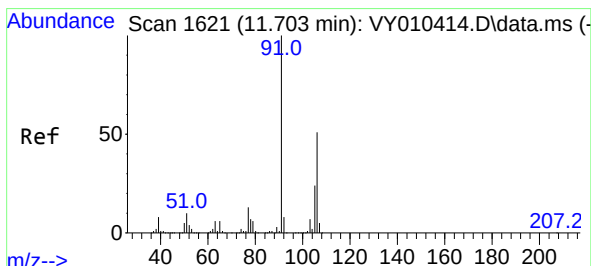
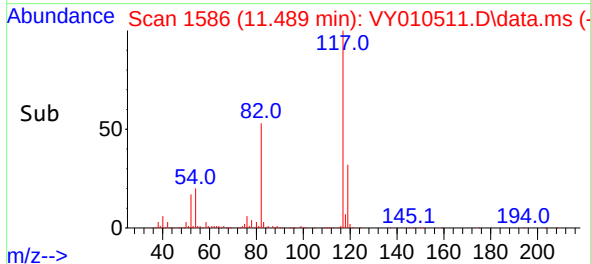
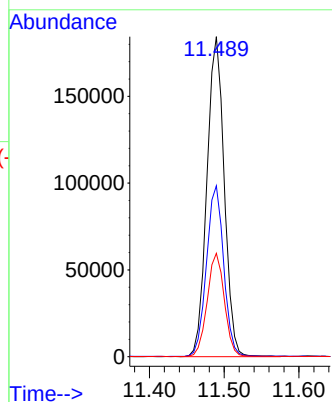


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

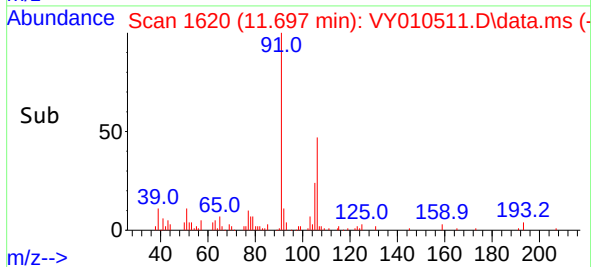
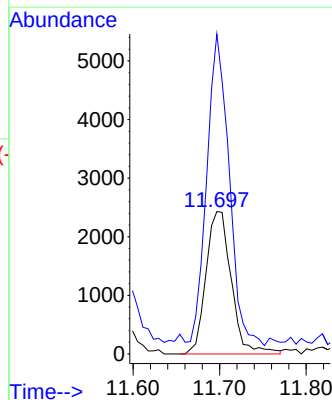
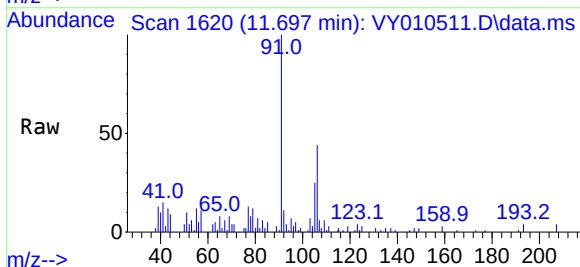


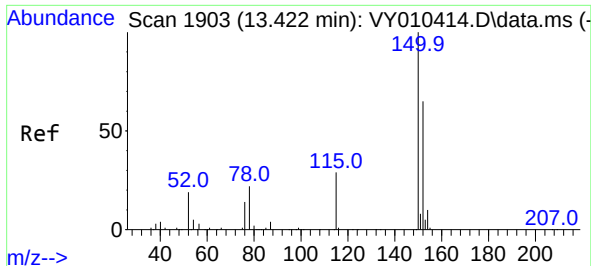
Tgt Ion:117 Resp: 296284
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.3 25.4 38.0



#68
m/p-Xylenes
Concen: 1.071 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion:106 Resp: 4933
Ion Ratio Lower Upper
106 100
91 196.5 166.6 249.8

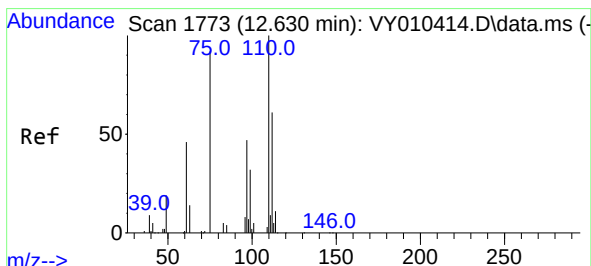
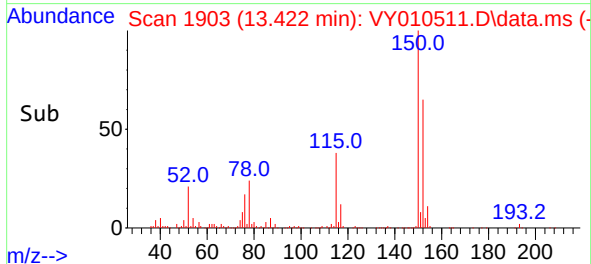
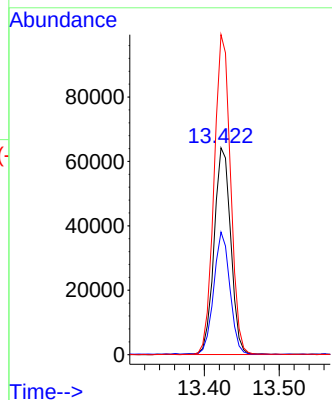
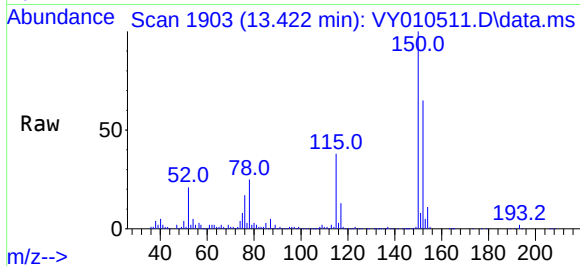




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010511.D
 Acq: 15 Sep 2022 15:16

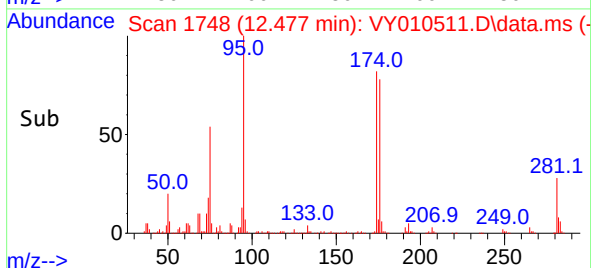
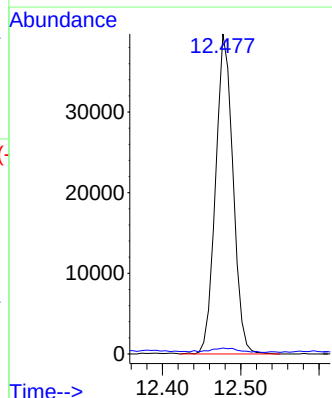
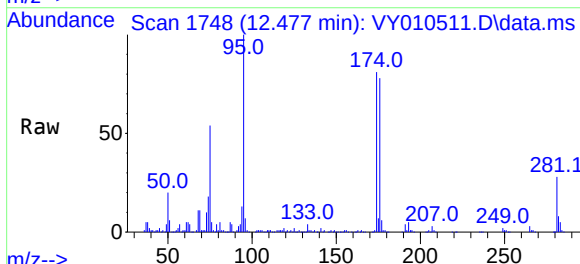
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-1-GR

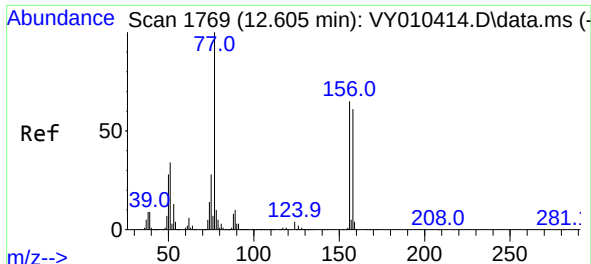
Tgt Ion:152 Resp: 99239
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.2 84.7
 150 153.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 56.092 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010511.D
 Acq: 15 Sep 2022 15:16

Tgt Ion: 75 Resp: 61436
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

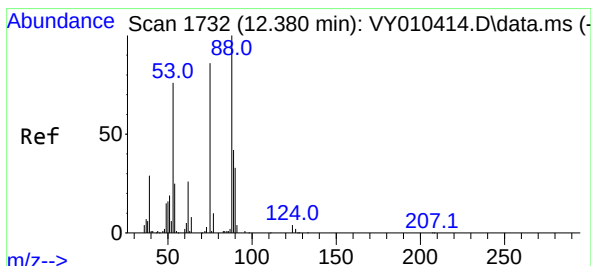
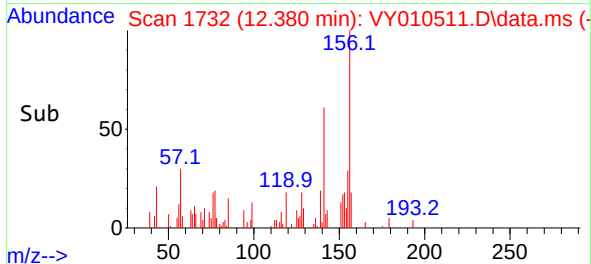
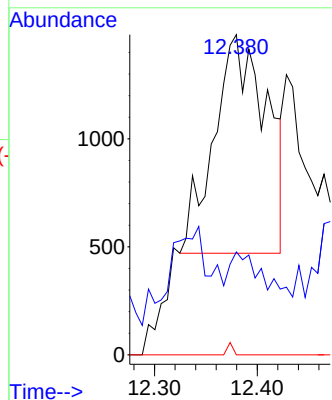
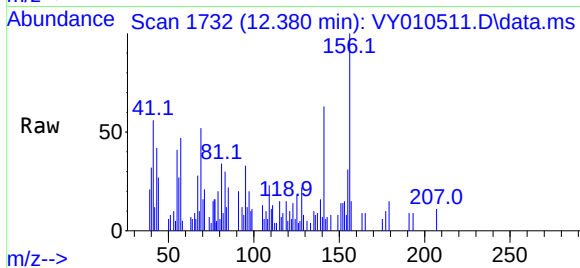




#77
Bromobenzene
Concen: 1.961 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.225 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

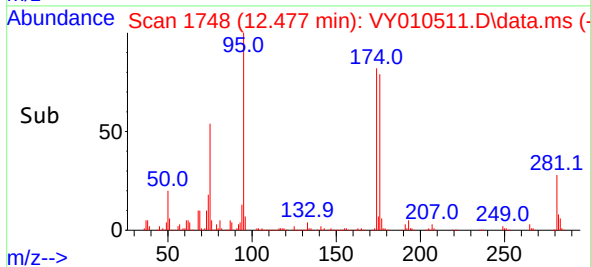
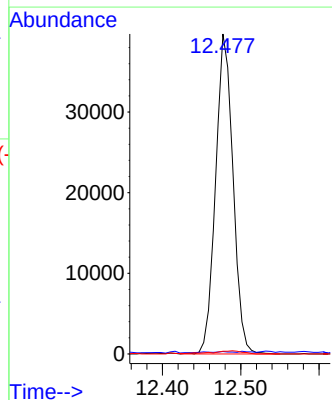
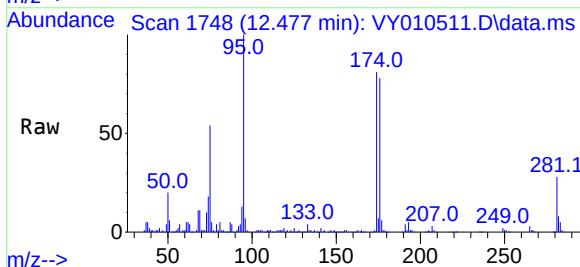
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

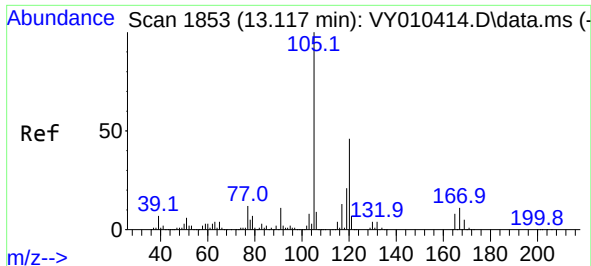
Tgt Ion:156 Resp: 3598
Ion Ratio Lower Upper
156 100
77 11.7 95.5 286.4#
158 0.6 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.545 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion: 75 Resp: 61436
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

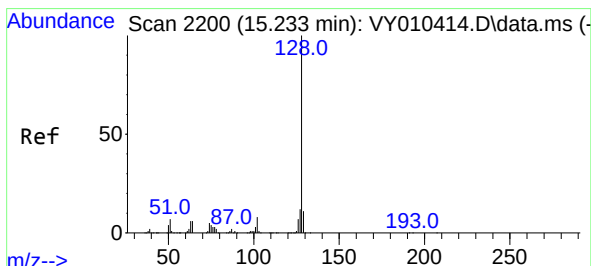
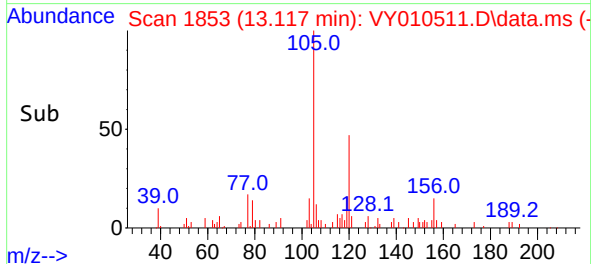
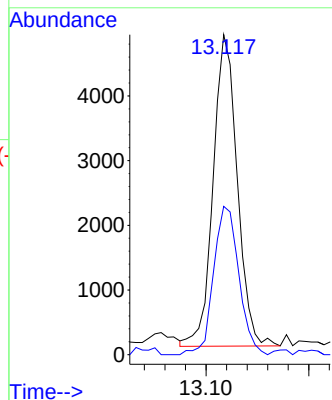
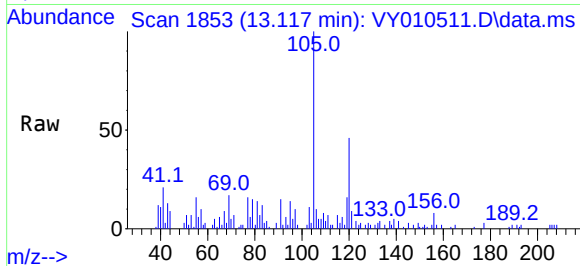




#84
1,2,4-Trimethylbenzene
Concen: 1.226 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-1-GR

Tgt Ion:105 Resp: 7834
Ion Ratio Lower Upper
105 100
120 49.9 22.3 66.9



#95
Naphthalene
Concen: 1.473 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010511.D
Acq: 15 Sep 2022 15:16

Tgt Ion:128 Resp: 5889
Ion Ratio Lower Upper
128 100
127 19.0 11.0 16.4#
129 15.6 8.4 12.6#

