

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010553.D
 Acq On : 19 Sep 2022 14:34
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 20 01:04:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

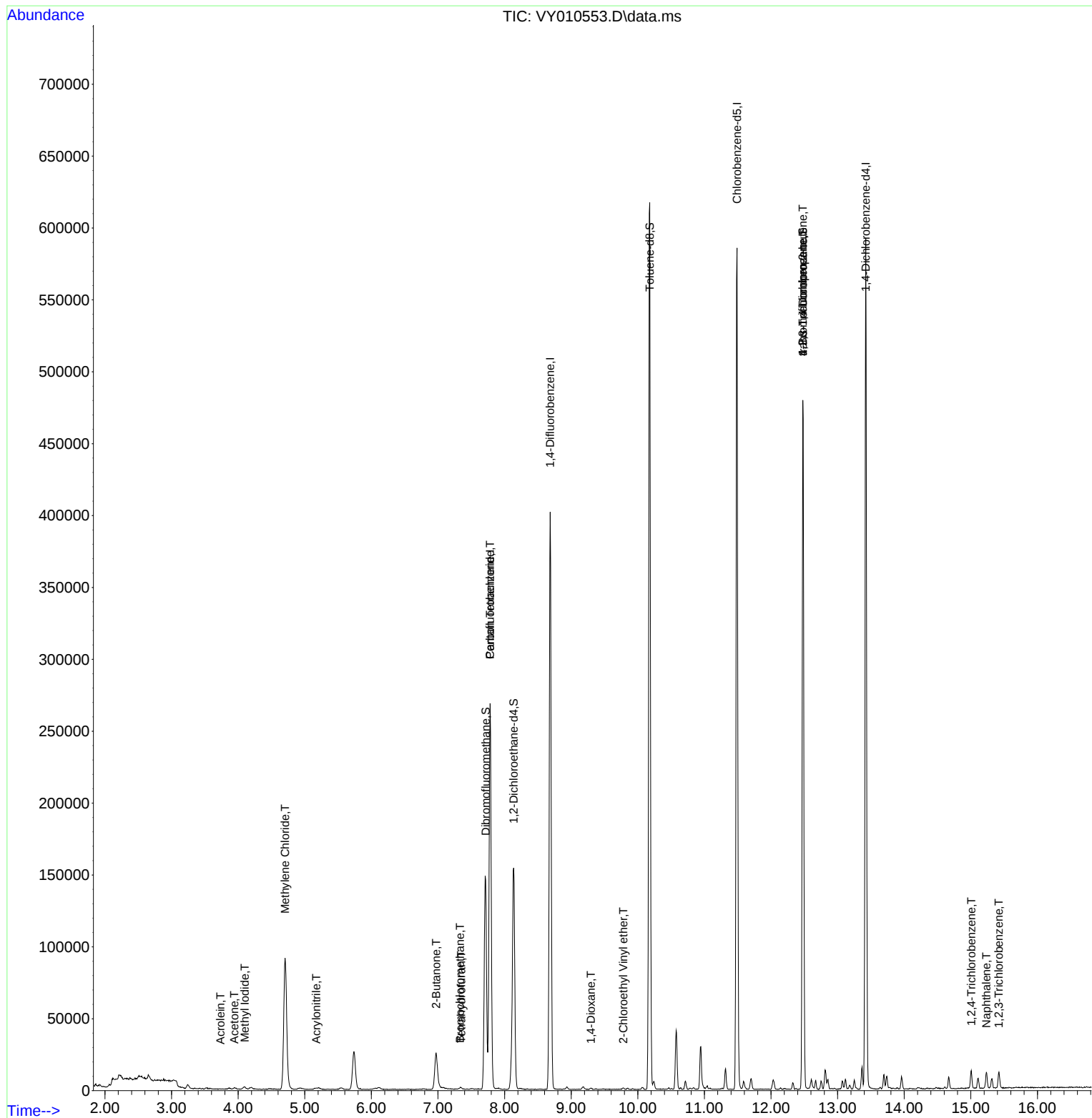
Internal Standards						
1) Pentafluorobenzene	7.783	168	209274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	354381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116211	58.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.120%	
35) Dibromofluoromethane	7.716	113	107617	47.583	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.160%	
50) Toluene-d8	10.179	98	418974	50.117	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.477	95	143571	46.070	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.140%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	391	Below Cal	#	40
3) Chloromethane	2.107	50	1261	Below Cal		100
4) Vinyl Chloride	2.241	62	349	Below Cal	#	82
5) Bromomethane	2.656	94	2011	Below Cal		93
10) Methyl Iodide	4.100	142	3020	1.580	ug/l	88
11) Tert butyl alcohol	4.930	59	1599	Below Cal	#	85
13) Acrolein	3.735	56	130	1.396	ug/l #	14
15) Acrylonitrile	5.173	53	1059	2.164	ug/l #	83
16) Acetone	3.942	43	1733	4.246	ug/l	94
17) Carbon Disulfide	4.198	76	773	Below Cal	#	75
18) Methyl Acetate	4.466	43	354	Below Cal	#	56
20) Methylene Chloride	4.704	84	72298	28.059	ug/l #	83
25) 2-Butanone	6.972	43	1985	3.109	ug/l	94
28) Bromochloromethane	7.332	49	365	5.318	ug/l #	92
29) Tetrahydrofuran	7.350	42	670	1.709	ug/l #	78
31) Cyclohexane	7.777	56	4491	Below Cal	#	1
38) Carbon Tetrachloride	7.783	117	19973	6.893	ug/l #	15
49) 1,4-Dioxane	9.295	88	44	2.622	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.782	63	602	20.925	ug/l #	78
76) 1,2,3-Trichloropropane	12.477	75	73778	50.425	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73778	112.116	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	3926	1.579	ug/l	99
95) Naphthalene	15.233	128	9513	1.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	3880	1.792	ug/l	99

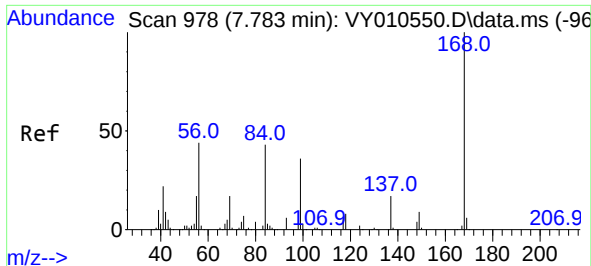
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 20 01:02:44 2022
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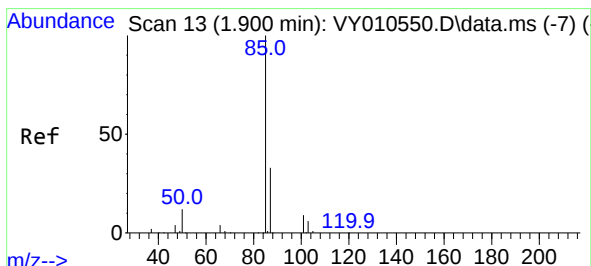
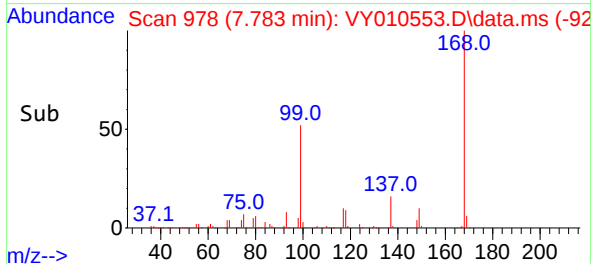
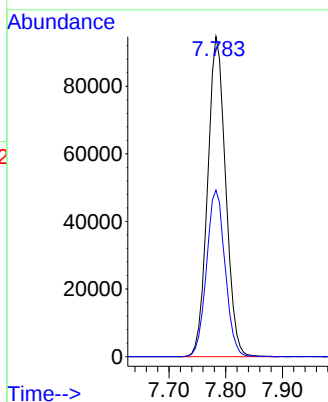
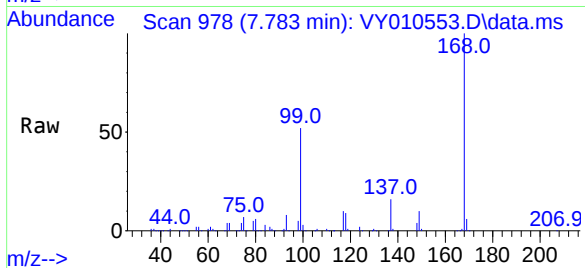




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

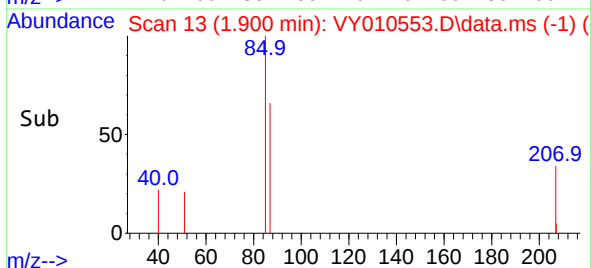
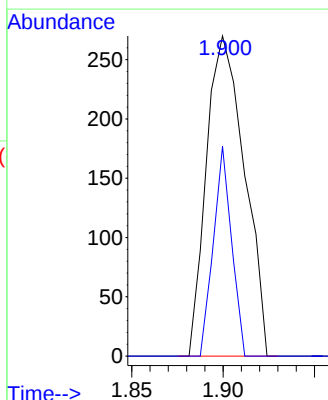
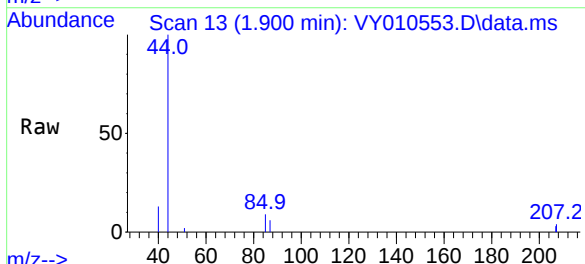
Instrument :
MSVOA_Y
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VIBLK

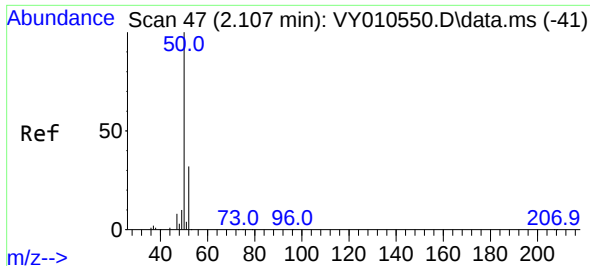
Tgt Ion:168 Resp: 209274
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 85 Resp: 391
Ion Ratio Lower Upper
85 100
87 65.6 16.1 48.2#

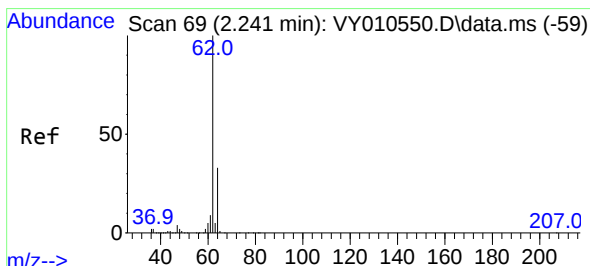
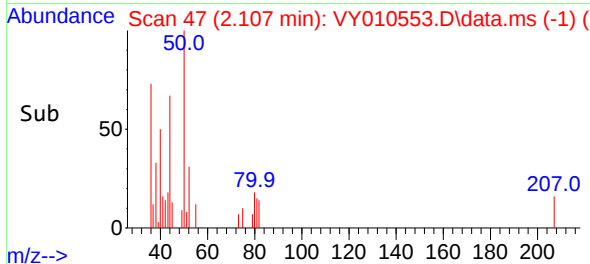
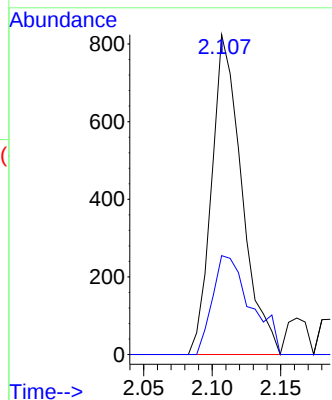
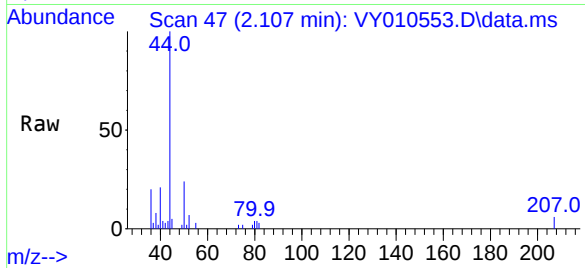




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

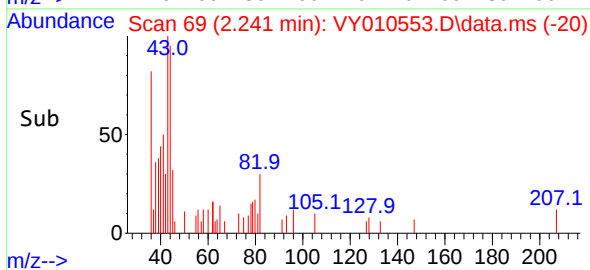
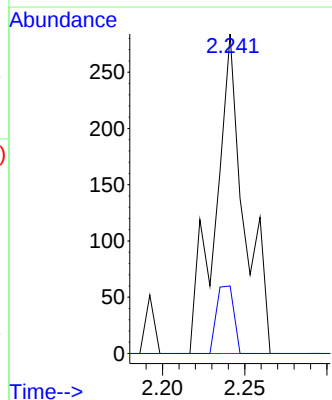
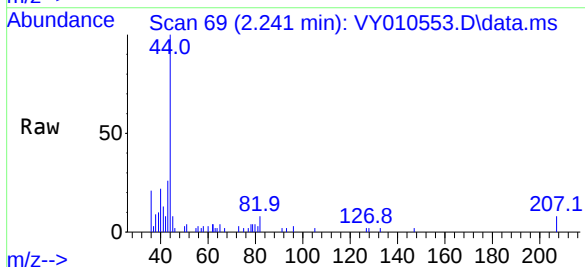
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

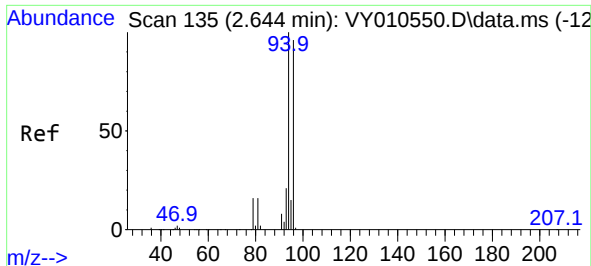
Tgt Ion: 50 Resp: 1261
Ion Ratio Lower Upper
50 100
52 30.9 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 62 Resp: 349
Ion Ratio Lower Upper
62 100
64 21.1 25.0 37.6#

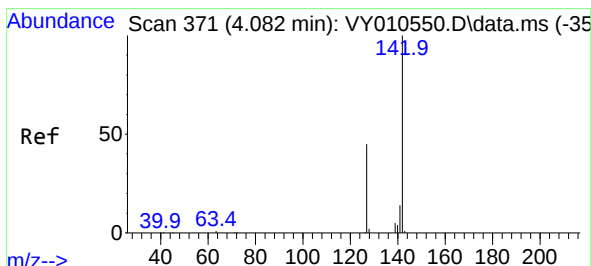
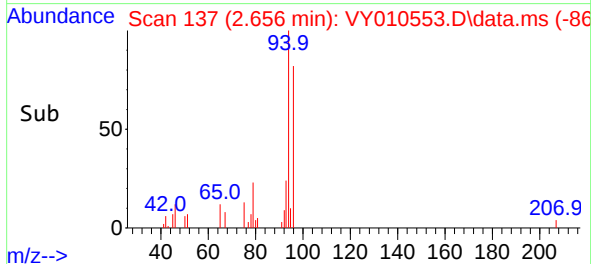
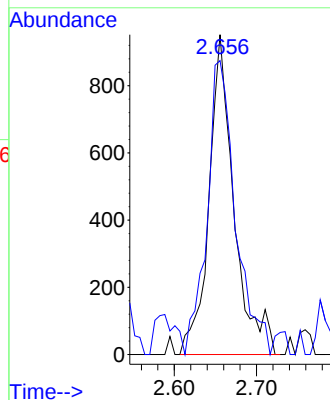
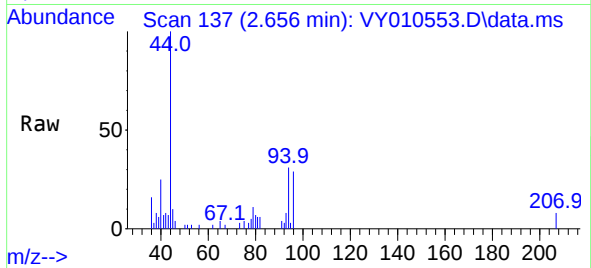




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

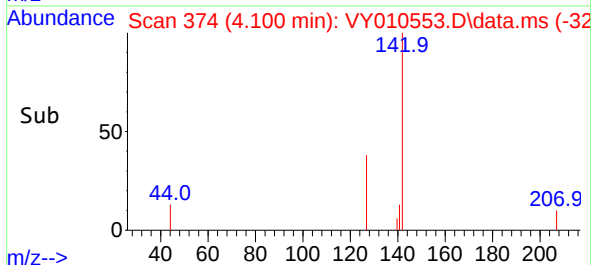
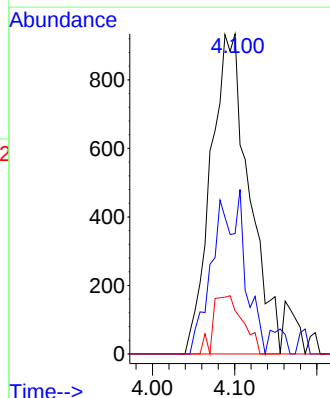
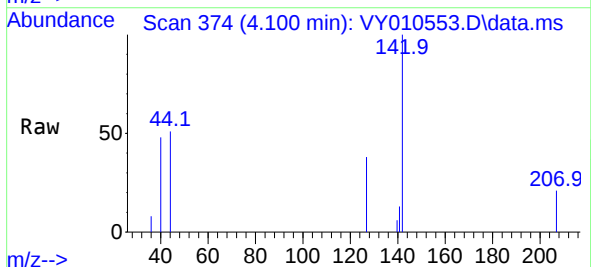
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

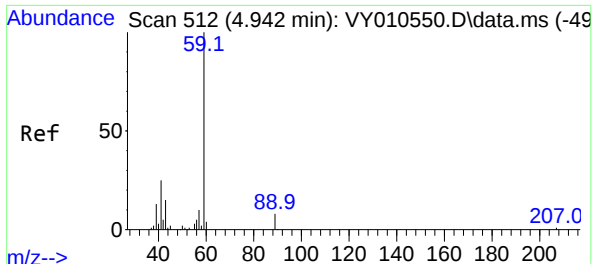
Tgt Ion: 94 Resp: 2011
Ion Ratio Lower Upper
94 100
96 85.0 73.5 110.3



#10
Methyl Iodide
Concen: 1.580 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion:142 Resp: 3020
Ion Ratio Lower Upper
142 100
127 41.9 41.5 62.3
141 14.0 11.9 17.9

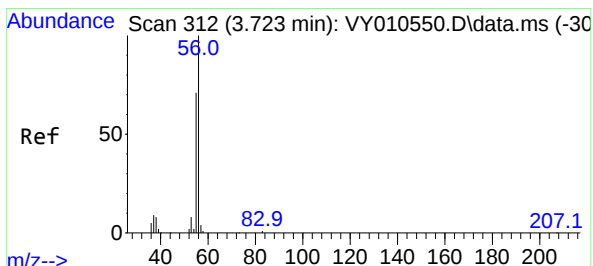
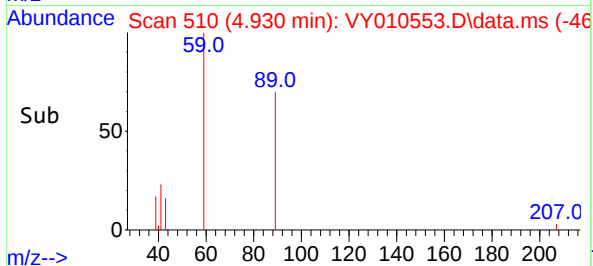
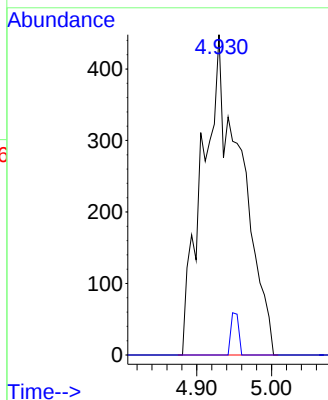
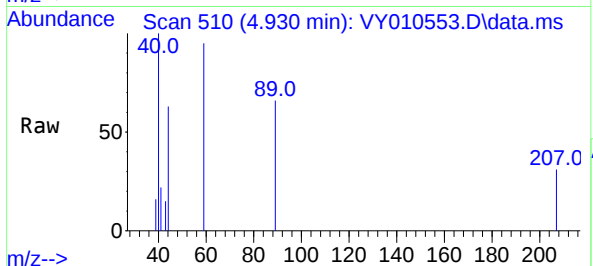




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

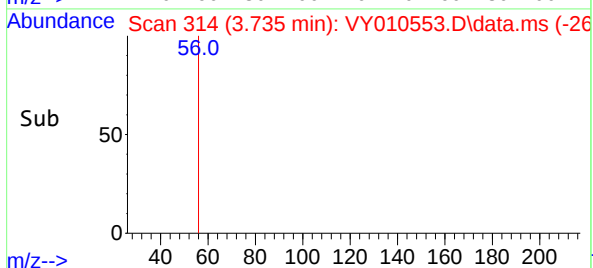
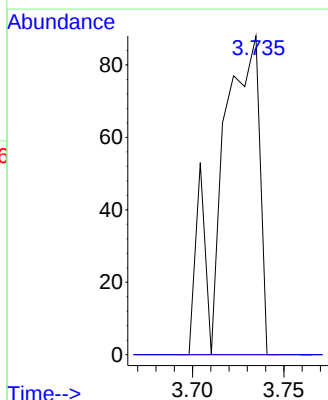
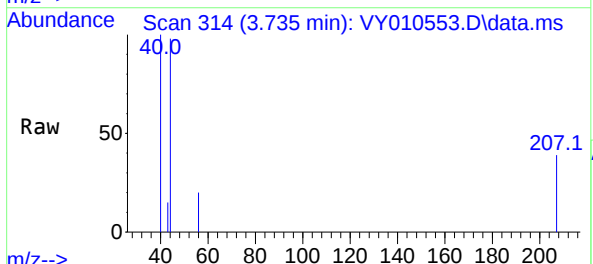
Instrument :
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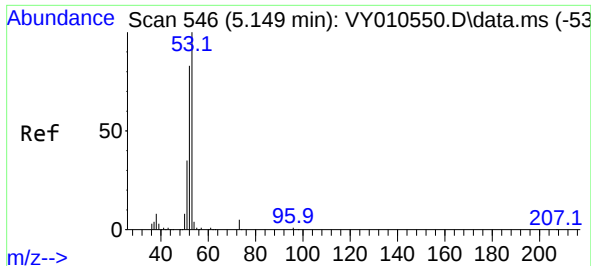
Tgt Ion: 59 Resp: 1599
Ion Ratio Lower Upper
59 100
57 2.6 6.4 9.6#



#13
Acrolein
Concen: 1.396 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

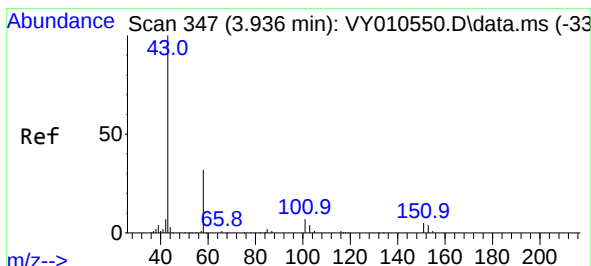
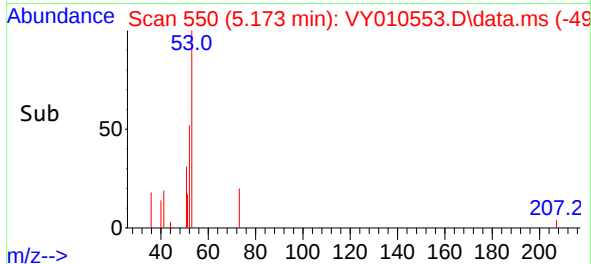
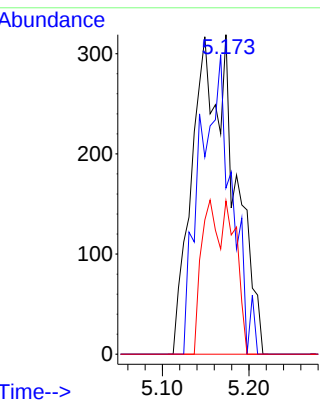
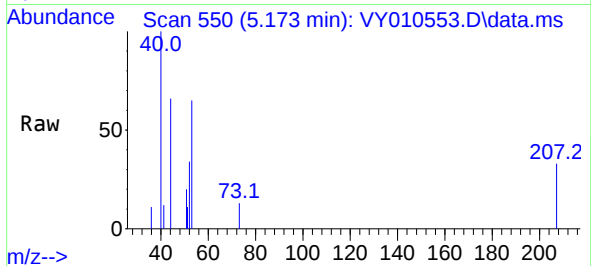




#15
Acrylonitrile
Concen: 2.164 ug/l
RT: 5.173 min Scan# 51
Delta R.T. 0.024 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

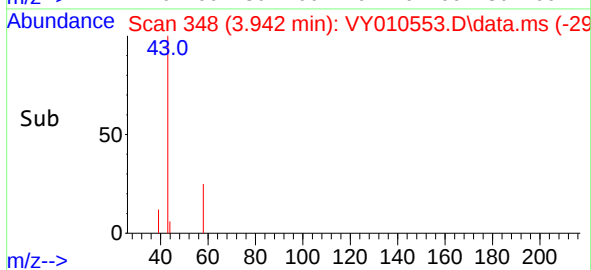
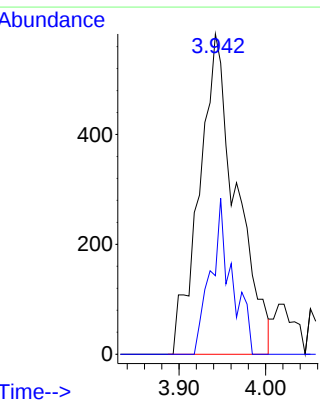
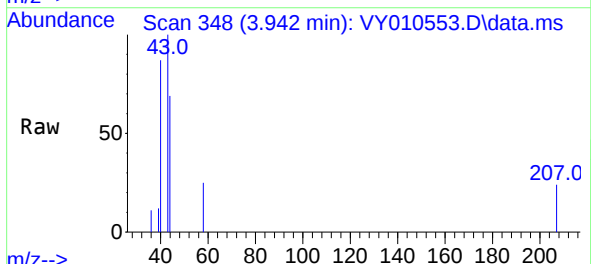
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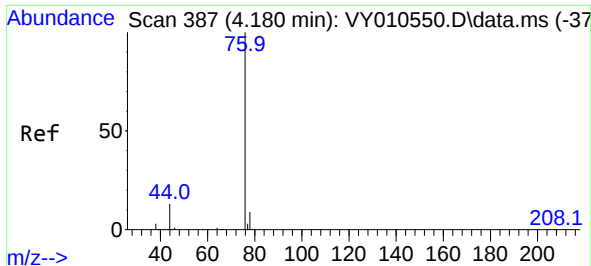
Tgt Ion: 53 Resp: 1059
Ion Ratio Lower Upper
53 100
52 71.9 67.0 100.4
51 21.2 29.8 44.6#



#16
Acetone
Concen: 4.246 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 43 Resp: 1733
Ion Ratio Lower Upper
43 100
58 24.5 22.0 33.0

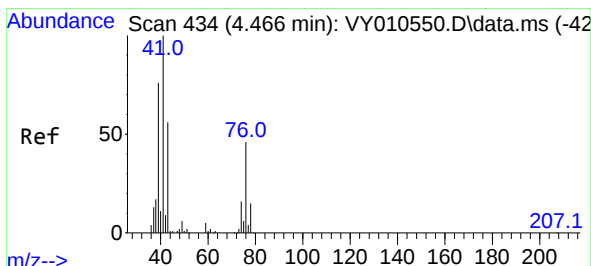
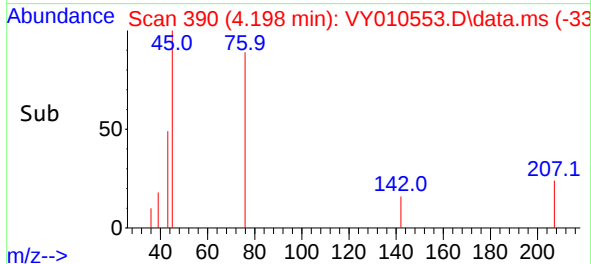
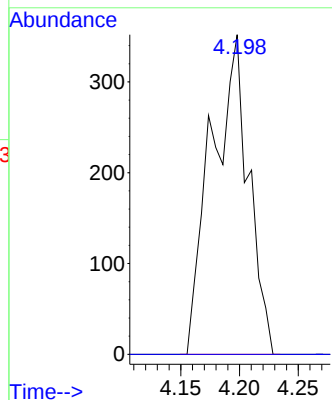
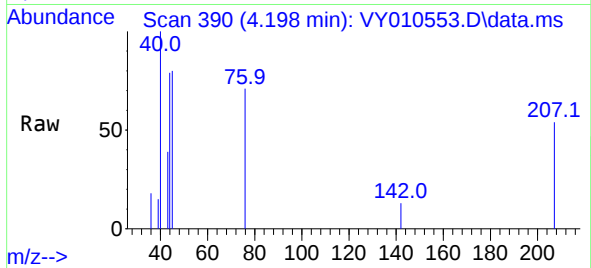




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

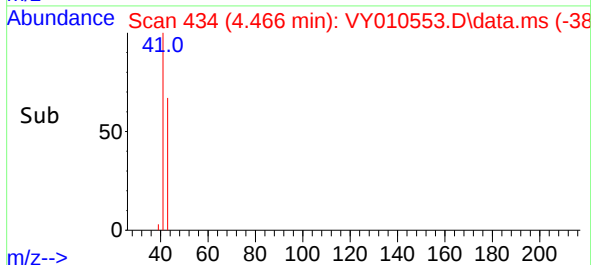
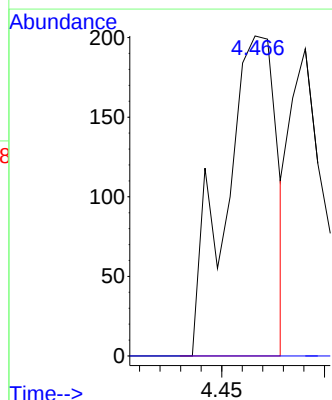
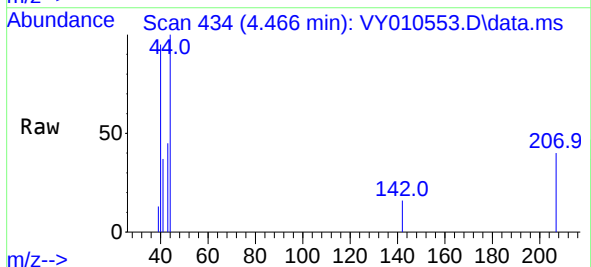
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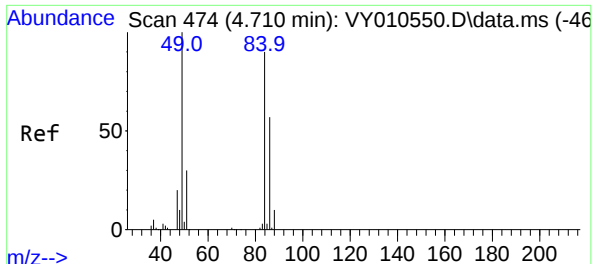
Tgt Ion: 76 Resp: 773
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

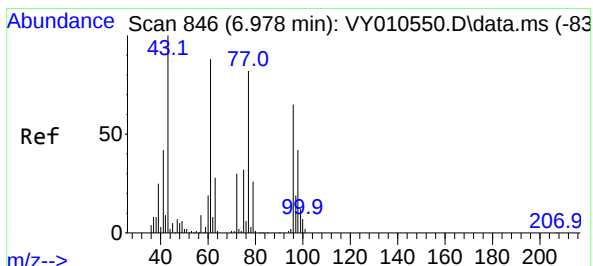
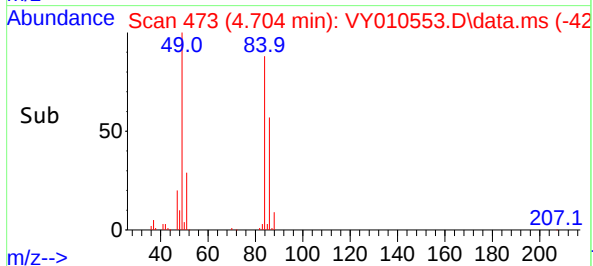
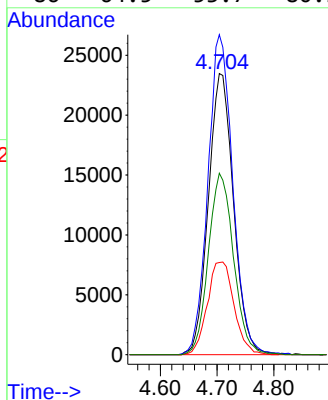
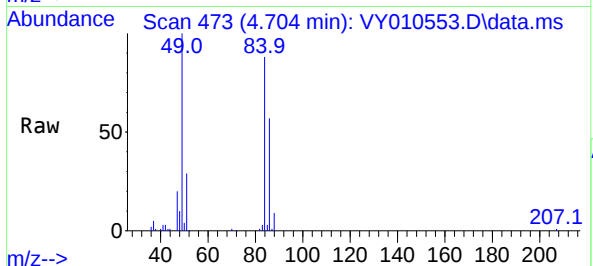




#20
Methylene Chloride
Concen: 28.059 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

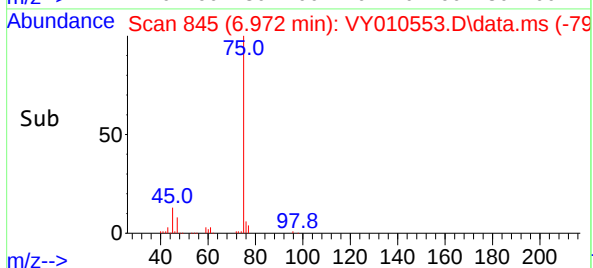
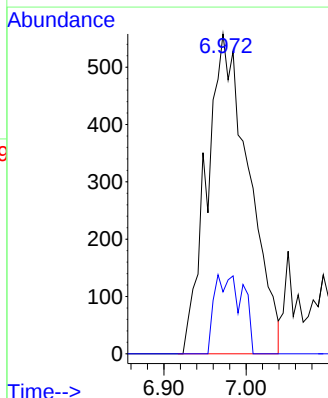
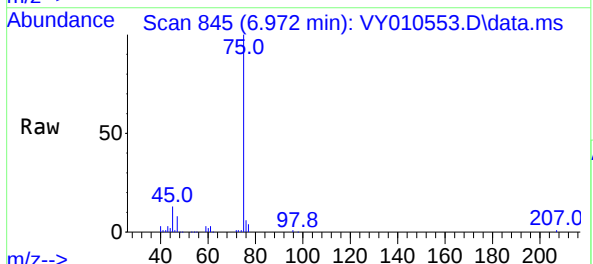
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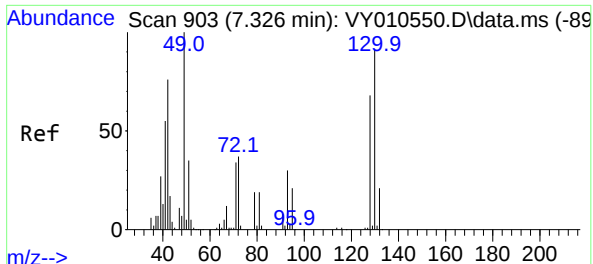
Tgt Ion:	84	Resp:	72298
Ion	Ratio	Lower	Upper
84	100		
49	113.8	114.4	171.6#
51	32.8	35.3	52.9#
86	64.5	53.7	80.5



#25
2-Butanone
Concen: 3.109 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion:	43	Resp:	1985
Ion	Ratio	Lower	Upper
43	100		
72	19.4	17.7	26.5





#28

Bromochloromethane

Concen: 5.318 ug/l

RT: 7.332 min Scan# 904

Delta R.T. 0.006 min

Lab File: VY010553.D

Acq: 19 Sep 2022 14:34

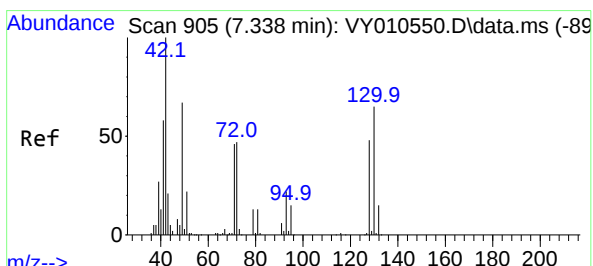
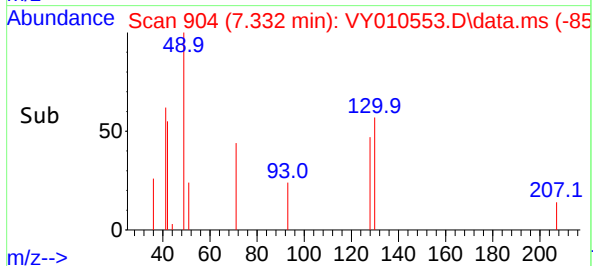
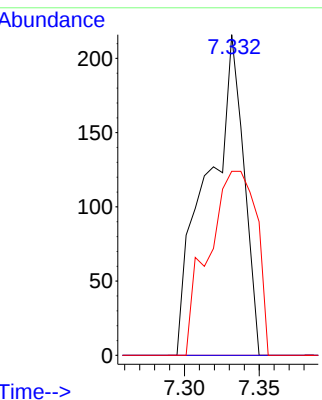
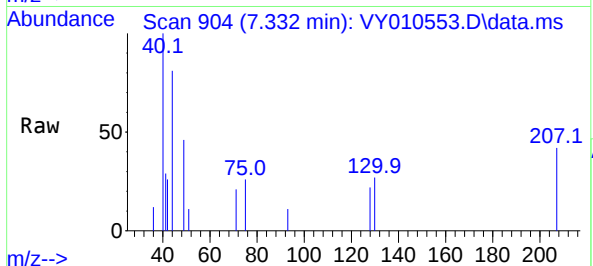
Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion:	49	Resp:	365
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	75.9	55.4	83.0



#29

Tetrahydrofuran

Concen: 1.709 ug/l

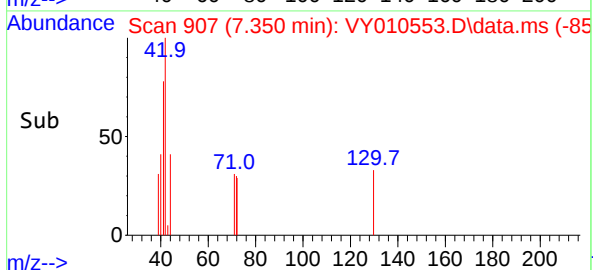
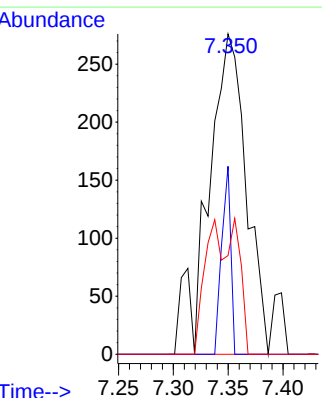
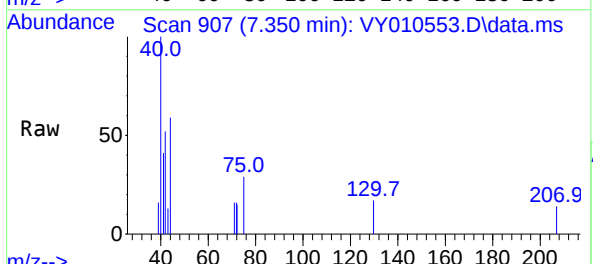
RT: 7.350 min Scan# 907

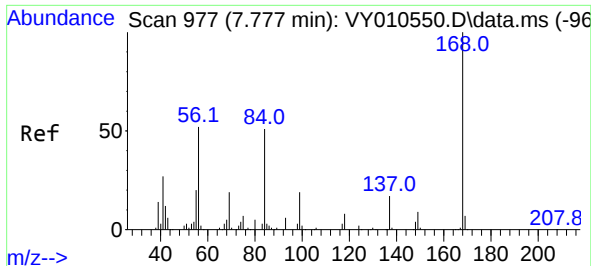
Delta R.T. 0.012 min

Lab File: VY010553.D

Acq: 19 Sep 2022 14:34

Tgt Ion:	42	Resp:	670
Ion	Ratio	Lower	Upper
42	100		
72	13.9	30.3	45.5
71	34.3	29.0	43.4

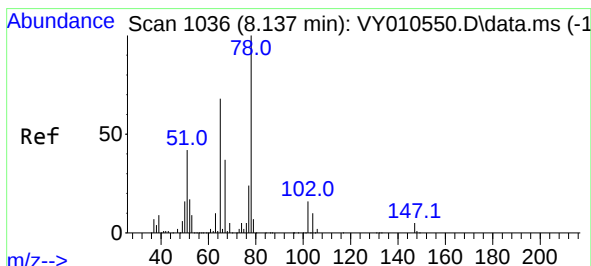
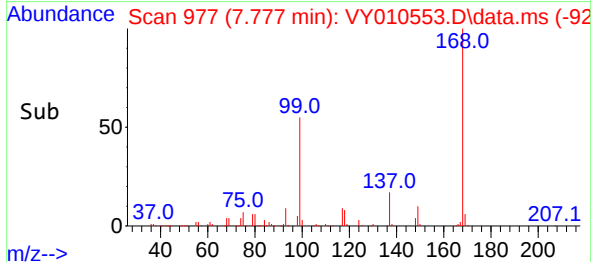
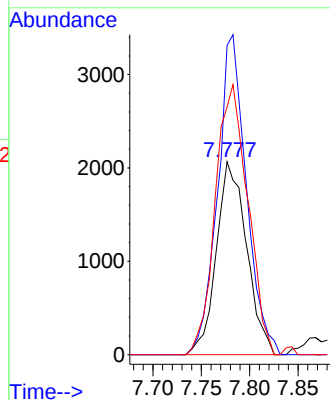
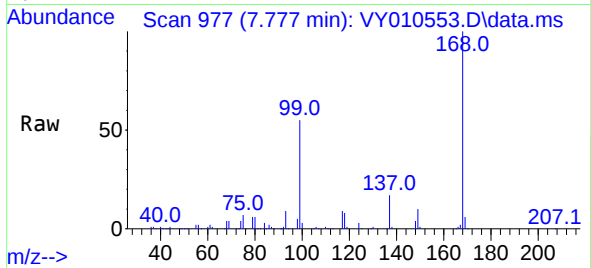




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

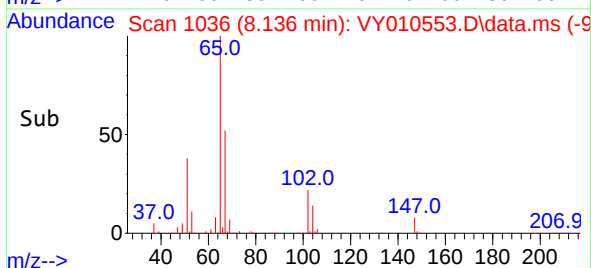
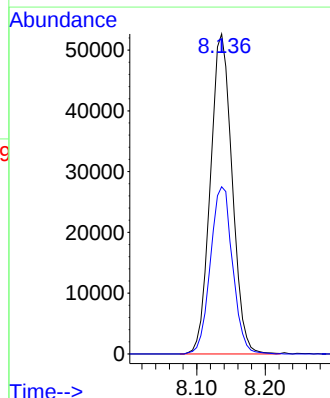
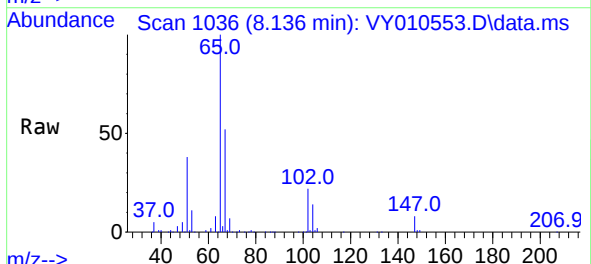
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

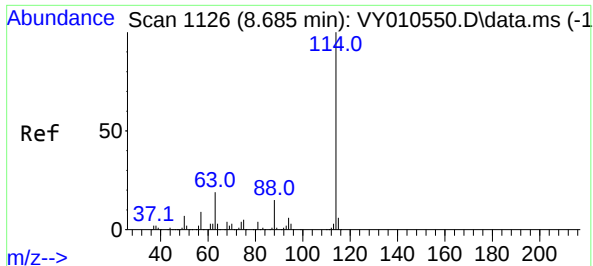
Tgt Ion: 56 Resp: 4491
Ion Ratio Lower Upper
56 100
69 160.3 26.7 40.1#
84 132.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.057 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 65 Resp: 116211
Ion Ratio Lower Upper
65 100
67 53.3 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: VY010553.D

Acq: 19 Sep 2022 14:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

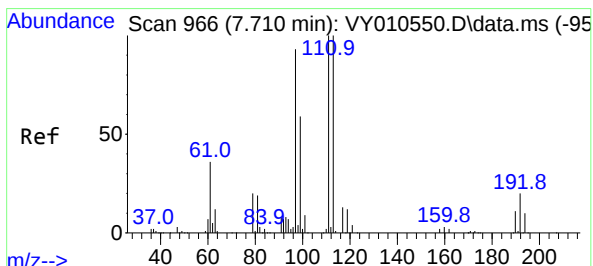
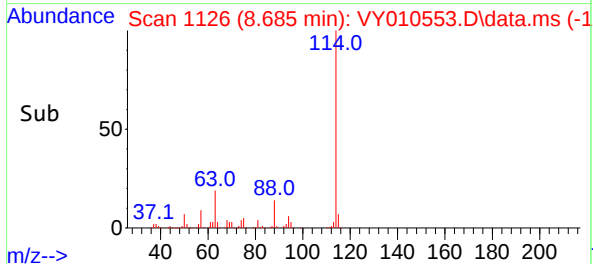
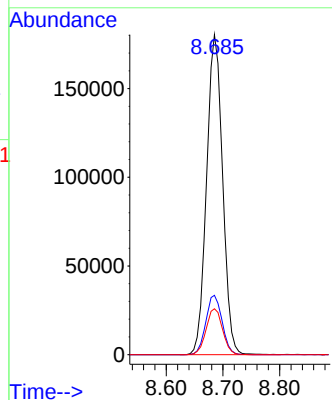
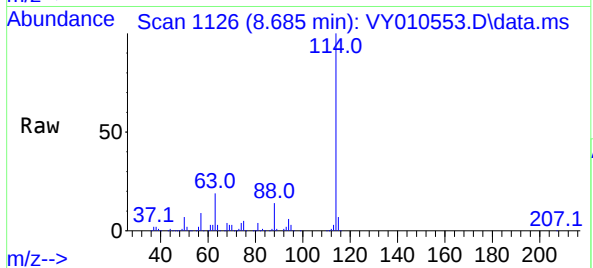
Tgt Ion:114 Resp: 354381

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.583 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010553.D

Acq: 19 Sep 2022 14:34

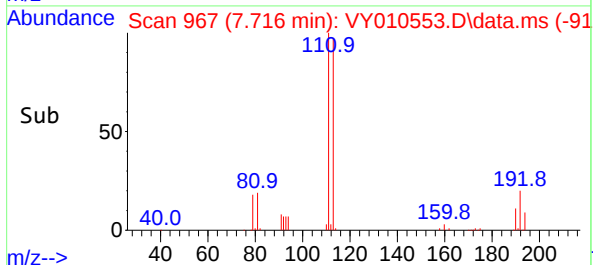
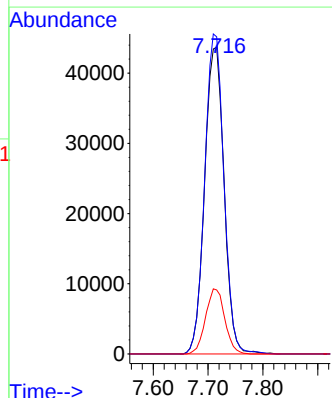
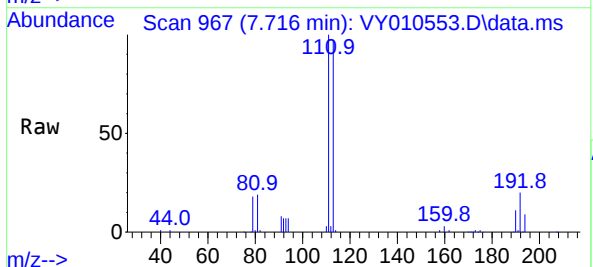
Tgt Ion:113 Resp: 107617

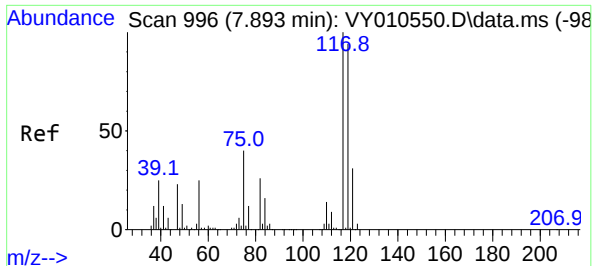
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 20.9 17.6 26.4

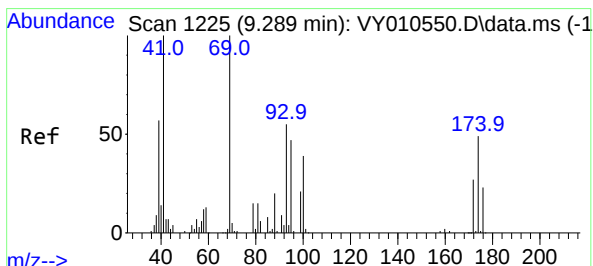
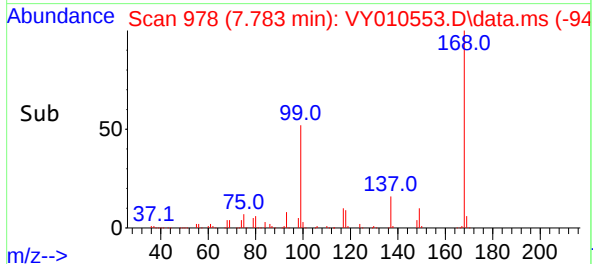
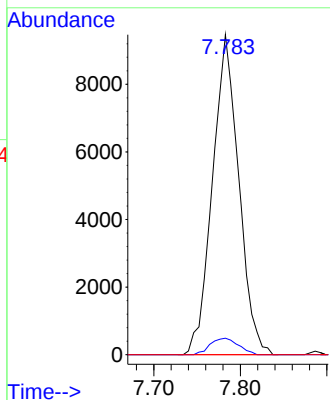
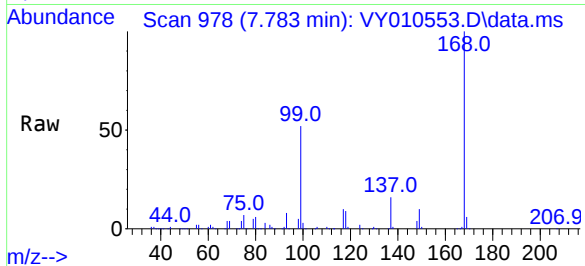




#38
Carbon Tetrachloride
Concen: 6.893 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

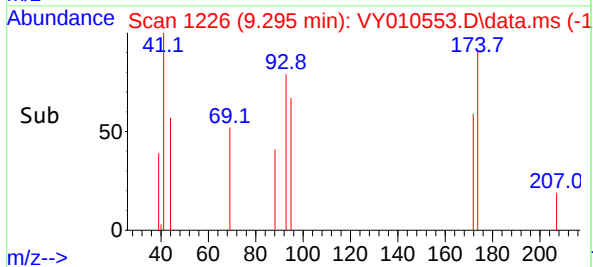
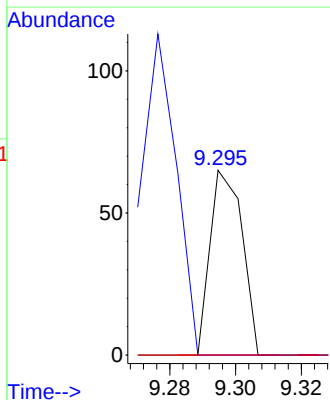
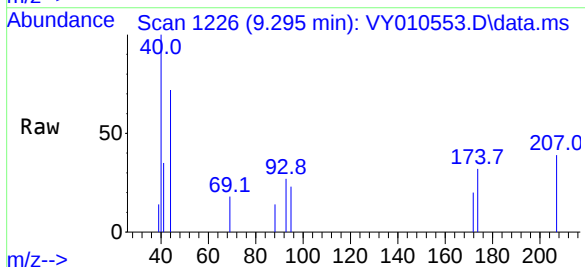
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

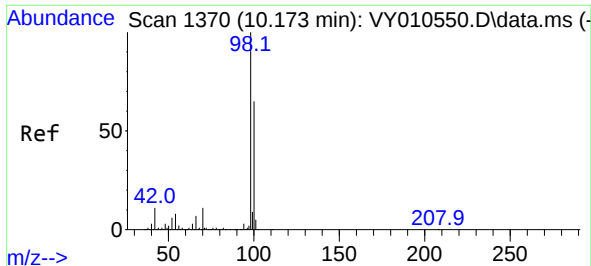
Tgt Ion:117 Resp: 19973
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 2.622 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 190.9 32.8 49.2#
58 0.0 59.8 89.6#

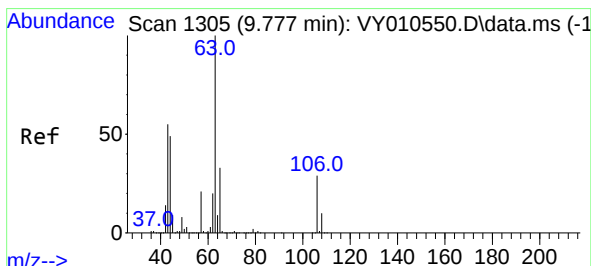
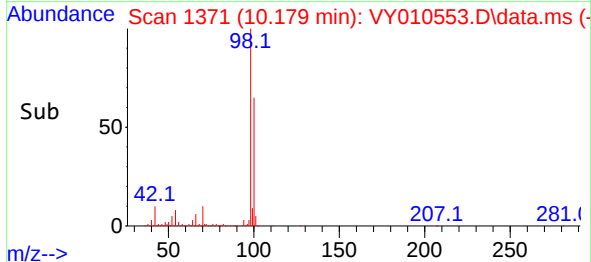
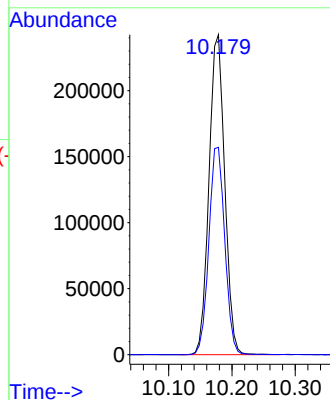
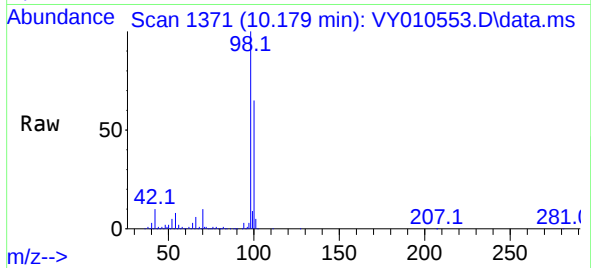




#50
Toluene-d8
Concen: 50.117 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

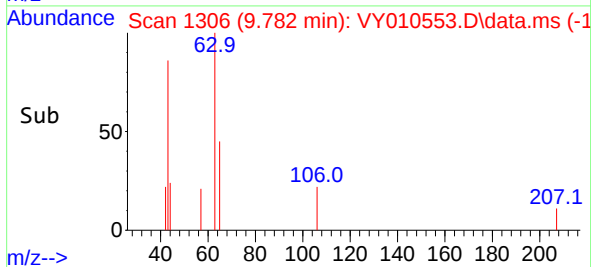
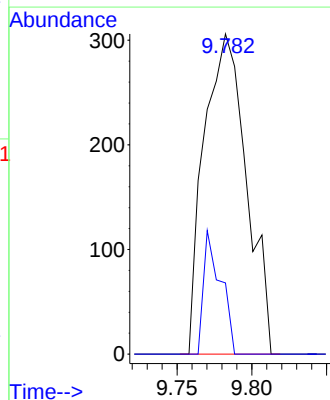
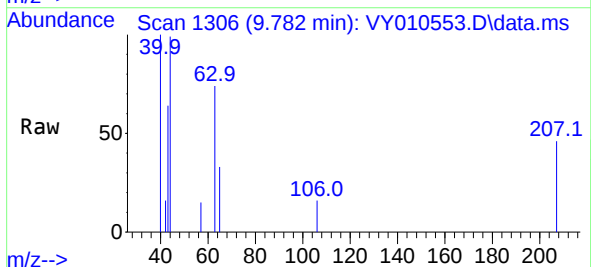
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

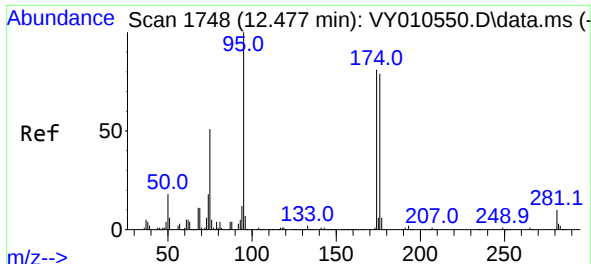
Tgt Ion: 98 Resp: 418974
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 20.925 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. 0.005 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 63 Resp: 602
Ion Ratio Lower Upper
63 100
106 15.6 21.5 32.3

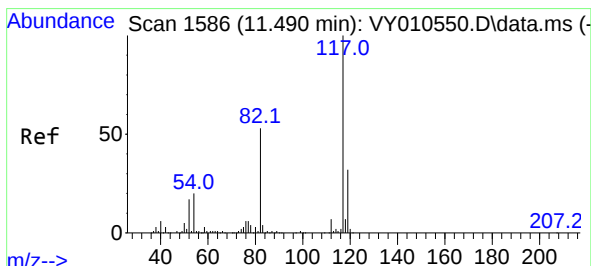
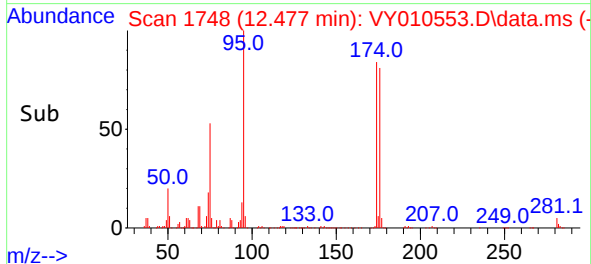
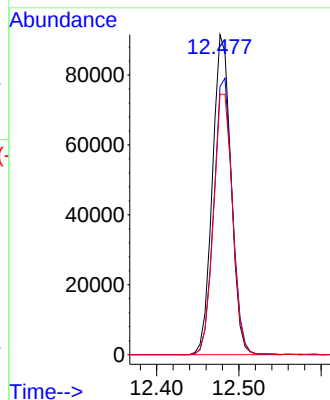
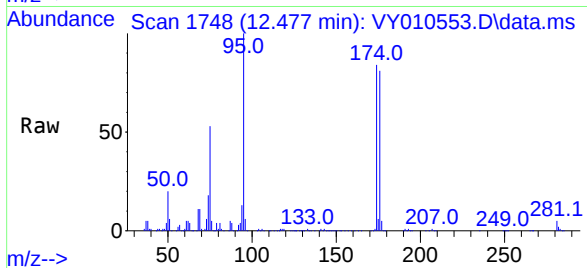




#62
4-Bromofluorobenzene
Concen: 46.070 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

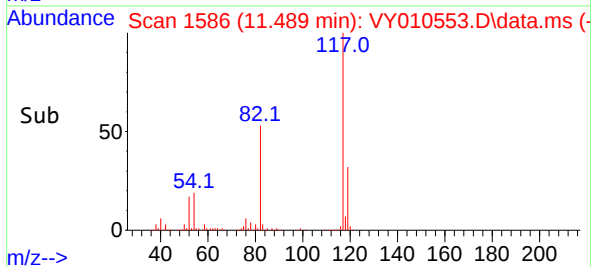
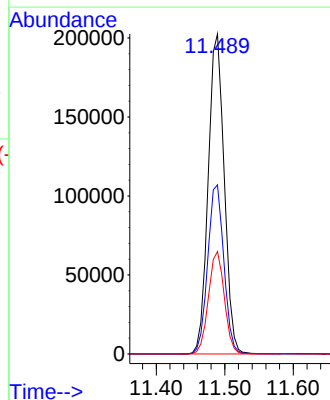
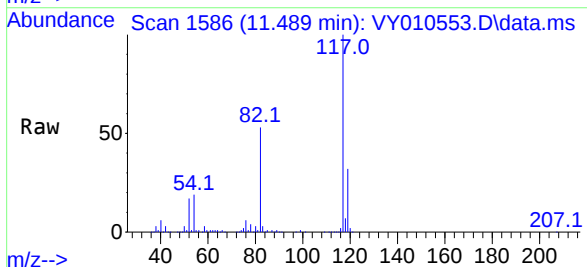
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

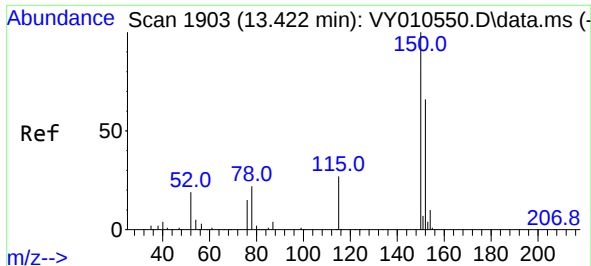
Tgt Ion: 95 Resp: 143571
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 117 Resp: 329959
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.0 25.4 38.0

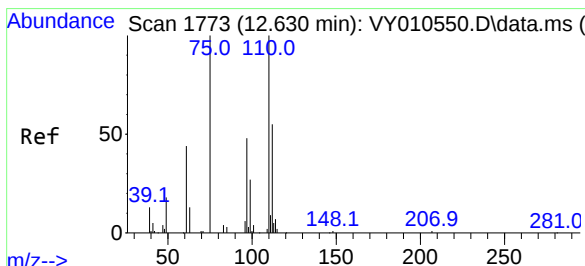
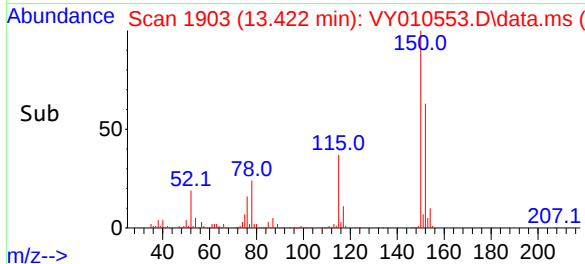
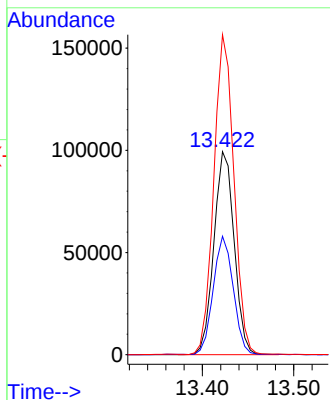
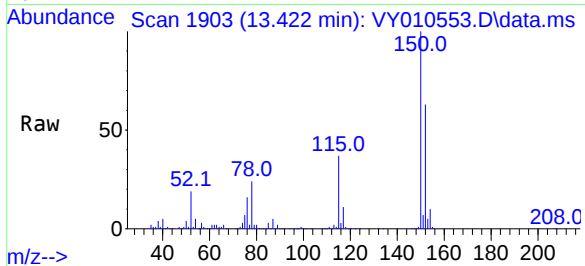




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

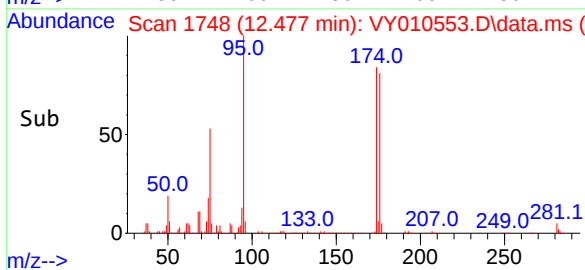
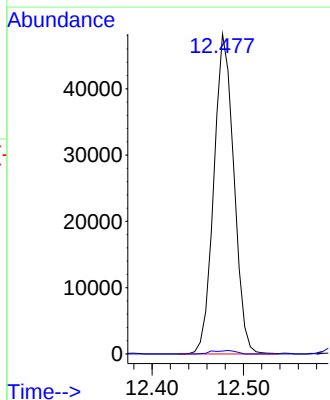
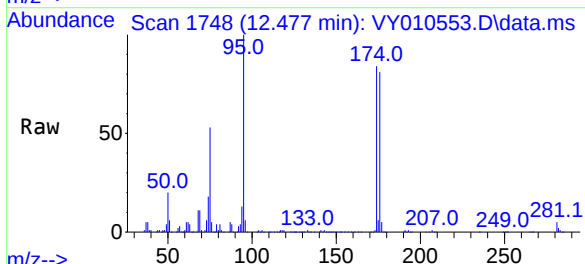
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

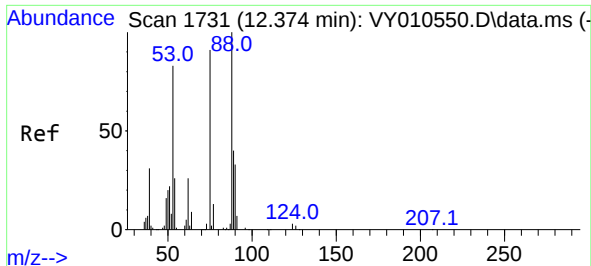
Tgt Ion:152 Resp: 153299
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 156.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.425 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion: 75 Resp: 73778
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

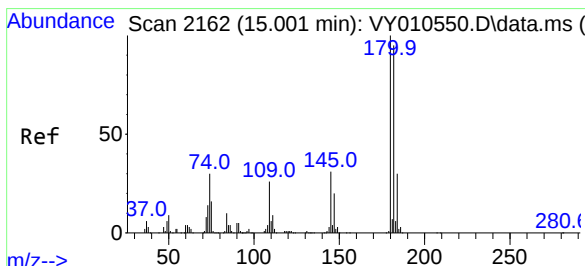
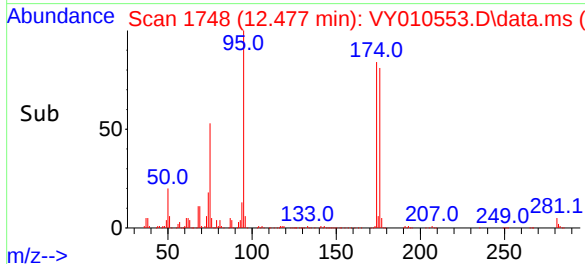
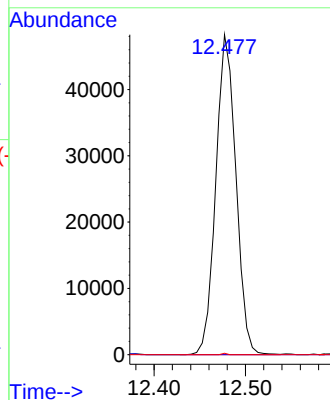
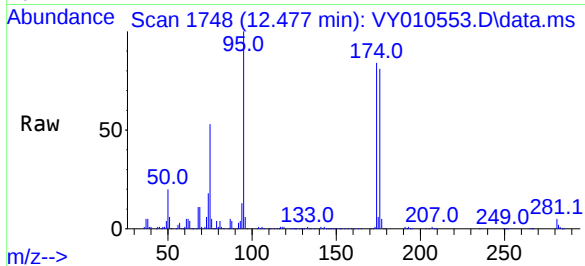




#81
trans-1,4-Dichloro-2-butene
Concen: 112.116 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

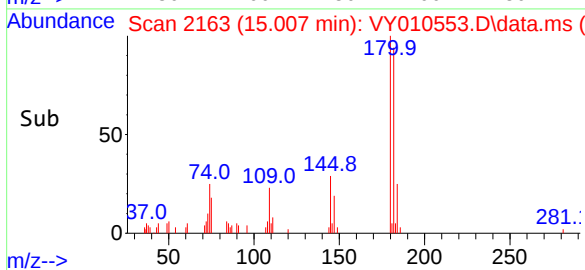
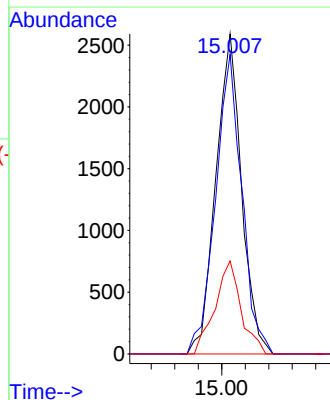
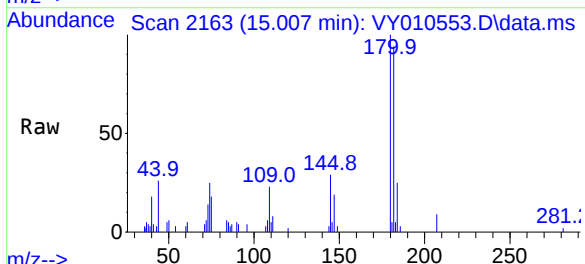
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

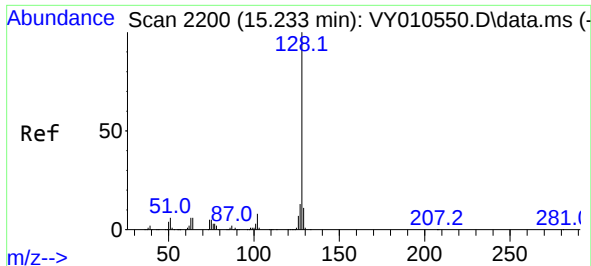
Tgt Ion: 75 Resp: 73778
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.579 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion:180 Resp: 3926
Ion Ratio Lower Upper
180 100
182 96.0 47.3 141.9
145 29.5 14.6 43.8

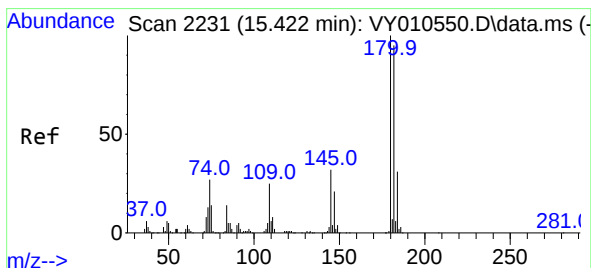
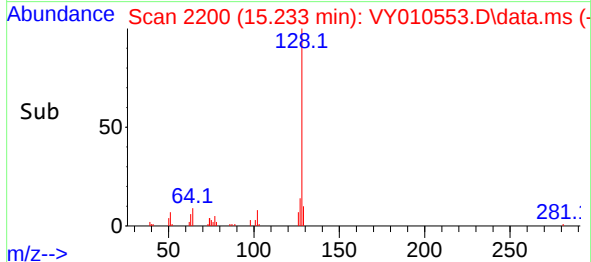
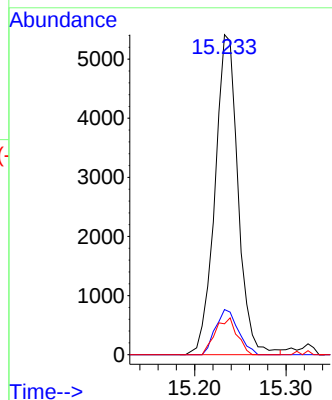
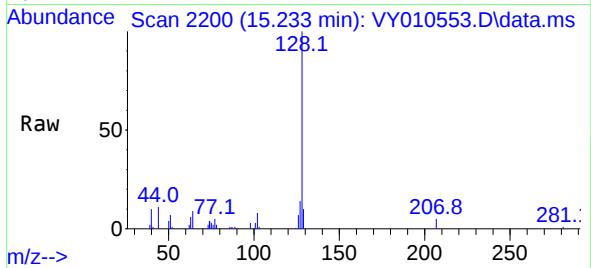




#95
Naphthalene
Concen: 1.899 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:	128	Resp:	9513
Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.0	16.4
129	10.8	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 1.792 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY010553.D
Acq: 19 Sep 2022 14:34

Tgt Ion:	180	Resp:	3880
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.9
145	29.2	15.3	45.9

