

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007850.D
 Acq On : 11 Mar 2022 13:29
 Operator : SY/MD
 Sample : N1847-03
 Misc : 10.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B3-030722-4-5

Quant Time: Mar 11 23:21:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

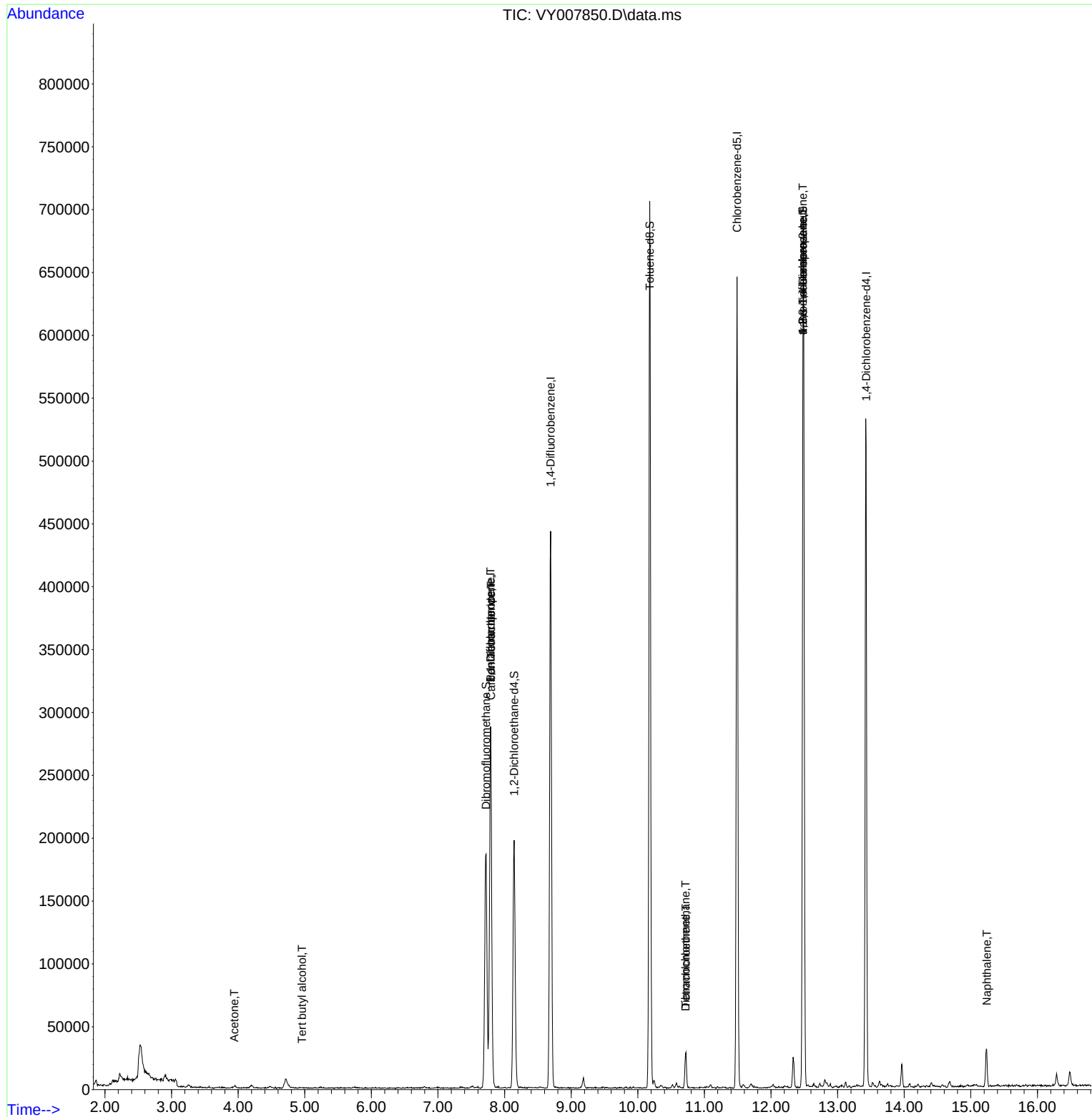
Internal Standards						
1) Pentafluorobenzene	7.789	168	210331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	371129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	327319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	146237	66.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.820%	
35) Dibromofluoromethane	7.722	113	128556	54.180	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.360%	
50) Toluene-d8	10.179	98	454965	52.090	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.180%	
62) 4-Bromofluorobenzene	12.477	95	124783	44.321	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	38	Below Cal	#	43
3) Chloromethane	2.113	50	1371	Below Cal		93
11) Tert butyl alcohol	4.960	59	195	1.023	ug/l #	77
13) Acrolein	3.649	56	29	Below Cal	#	14
16) Acetone	3.942	43	1488	3.322	ug/l #	67
17) Carbon Disulfide	4.204	76	4082	Below Cal	#	91
18) Methyl Acetate	4.491	43	1977	Below Cal	#	86
20) Methylene Chloride	4.716	84	4896	Below Cal	#	76
31) Cyclohexane	7.783	56	6199	Below Cal	#	20
36) 1,1-Dichloropropene	7.789	75	17265	4.625	ug/l #	51
38) Carbon Tetrachloride	7.795	117	21061	5.290	ug/l #	16
60) Dibromochloromethane	10.715	129	4895	1.874	ug/l #	11
64) Tetrachloroethene	10.721	164	5675	2.339	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	75318	53.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	75318	108.477	ug/l #	8
95) Naphthalene	15.239	128	23631	4.553	ug/l	97

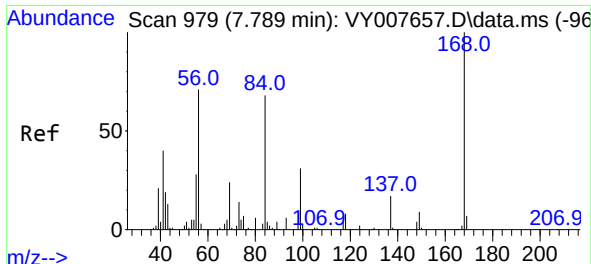
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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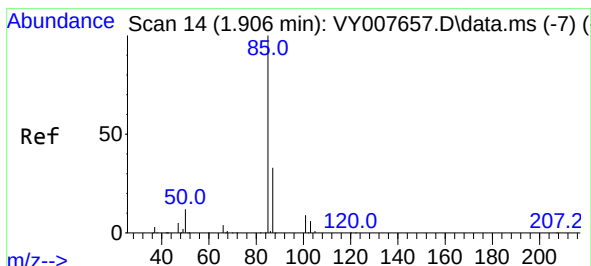
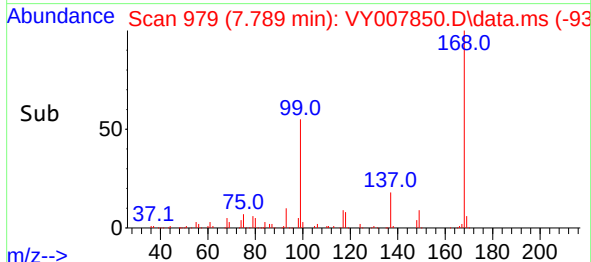
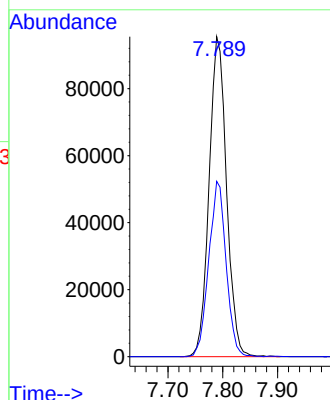
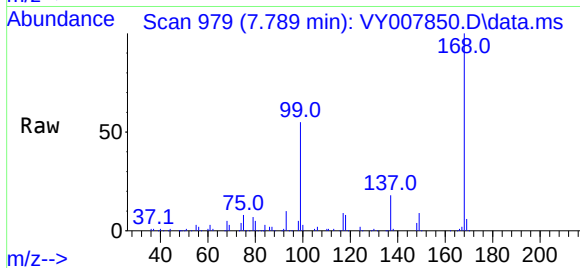




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

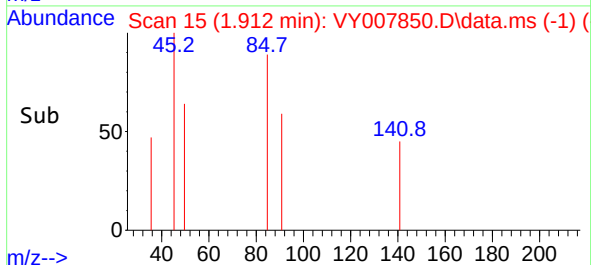
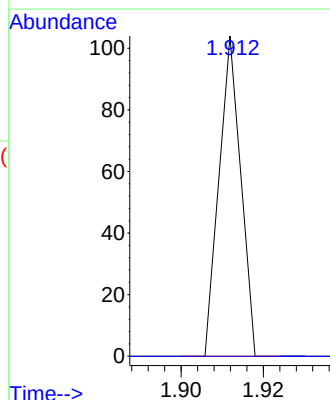
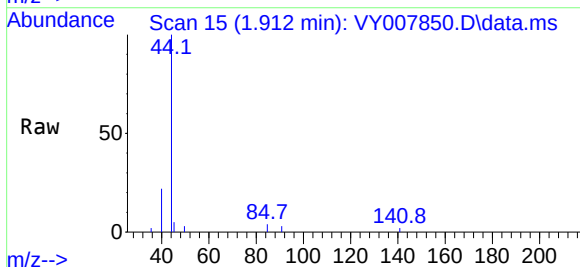
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

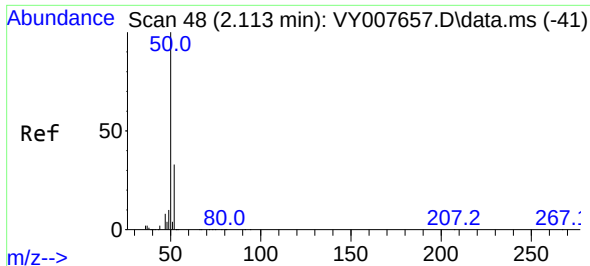
Tgt Ion:168 Resp: 210331
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 85 Resp: 38
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

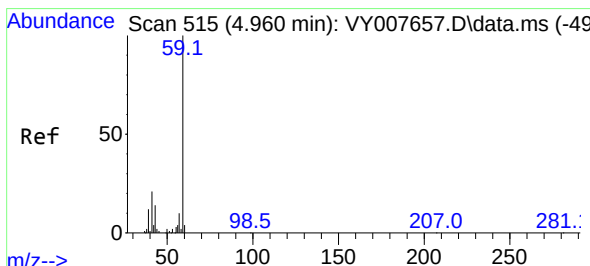
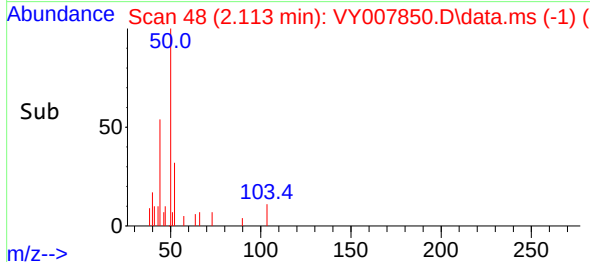
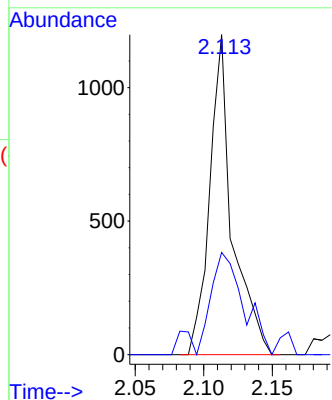
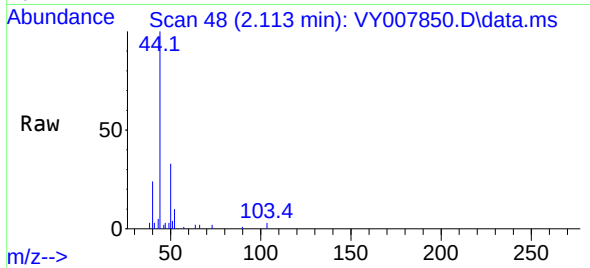




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

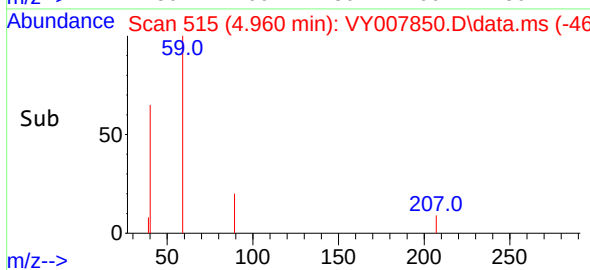
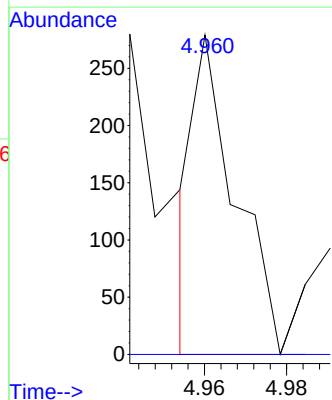
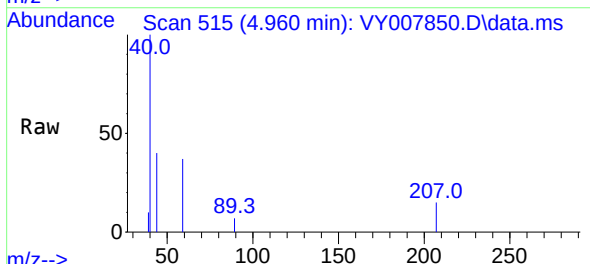
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

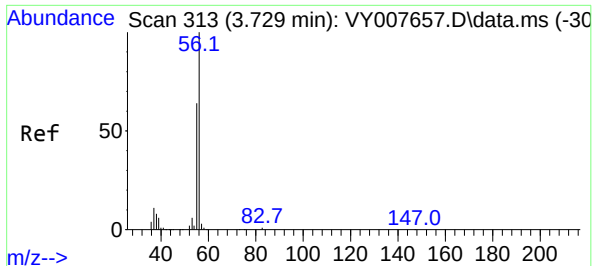
Tgt Ion: 50 Resp: 1371
Ion Ratio Lower Upper
50 100
52 26.7 24.6 37.0



#11
Tert butyl alcohol
Concen: 1.023 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

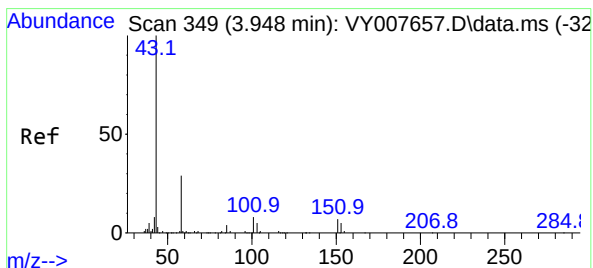
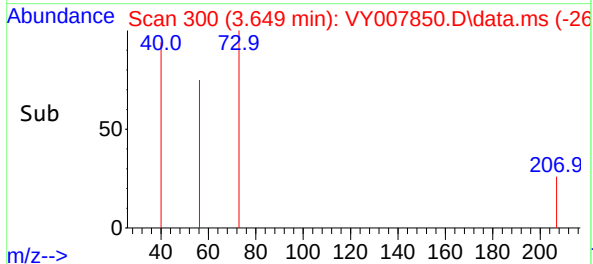
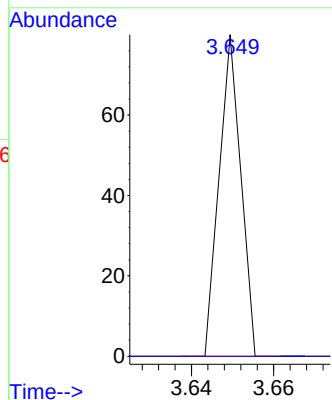
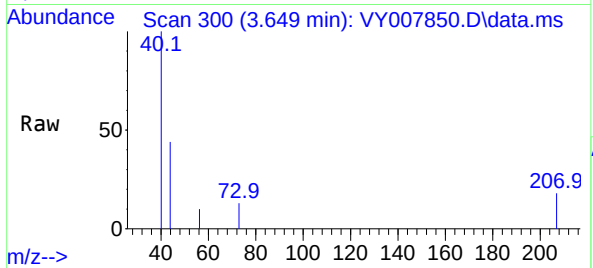




#13
Acrolein
Concen: Below Cal
RT: 3.649 min Scan# 30
Delta R.T. -0.080 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

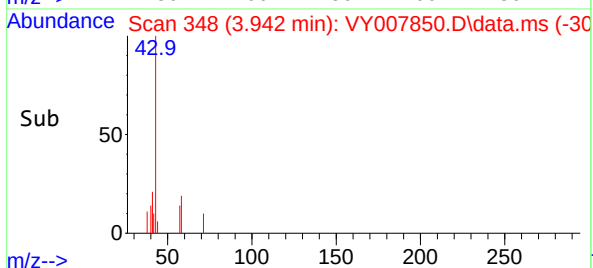
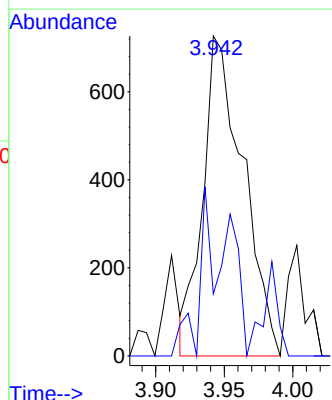
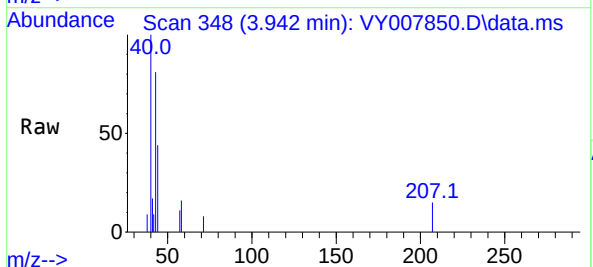
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

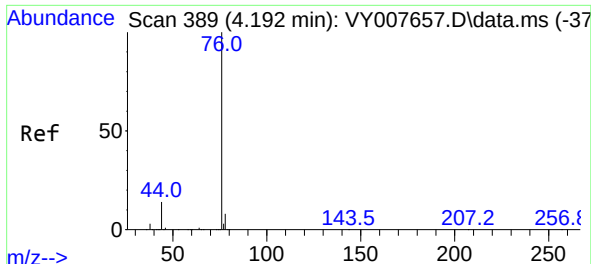
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 3.322 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
58 10.3 22.0 33.0#

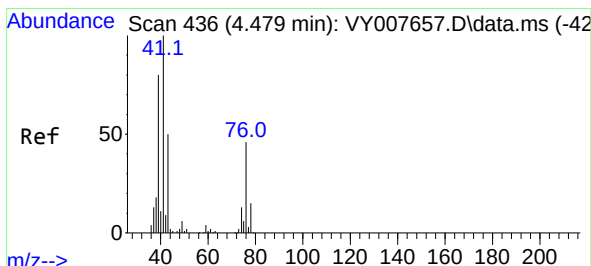
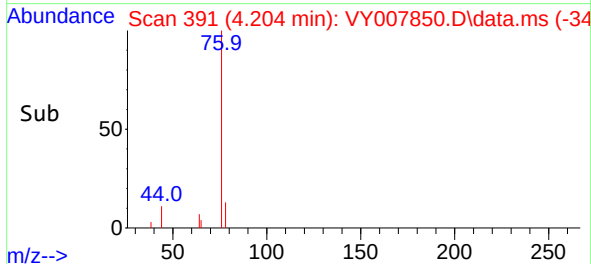
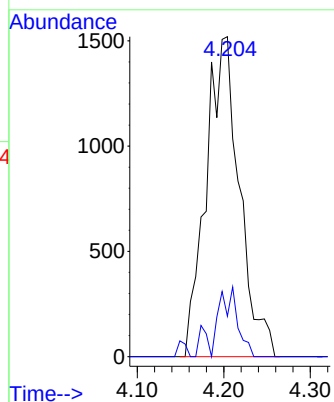
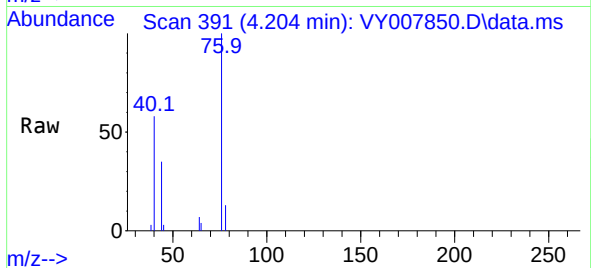




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

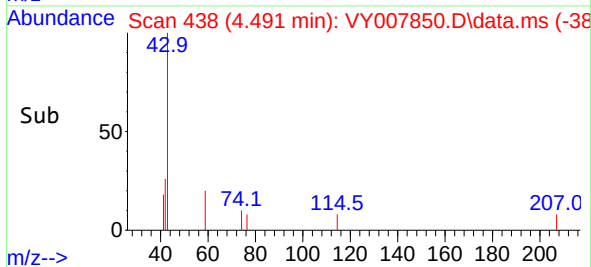
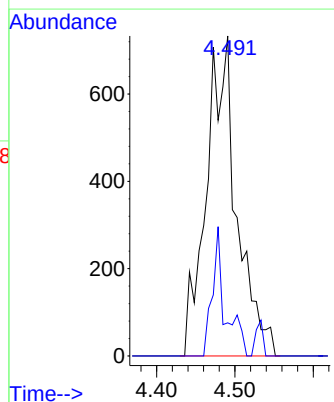
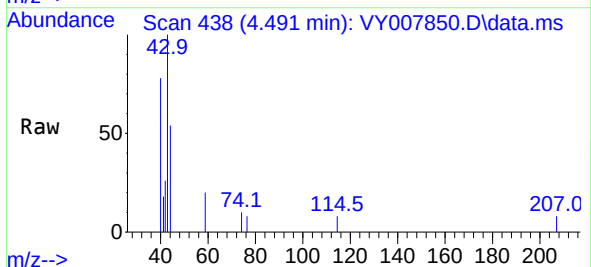
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

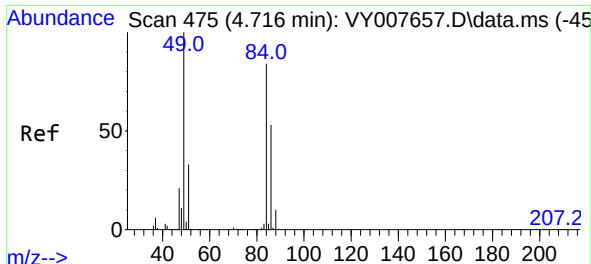
Tgt Ion: 76 Resp: 4082
Ion Ratio Lower Upper
76 100
78 12.6 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
74 14.1 16.6 24.8#



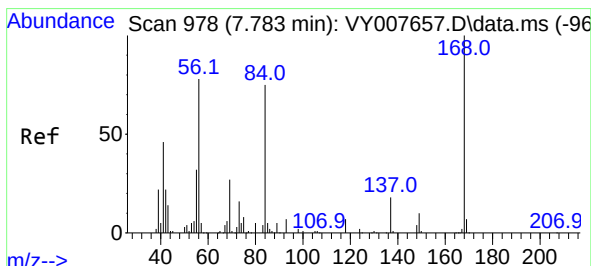
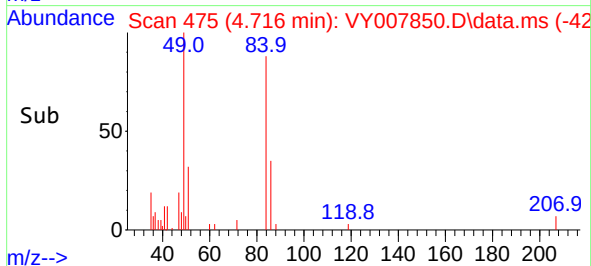
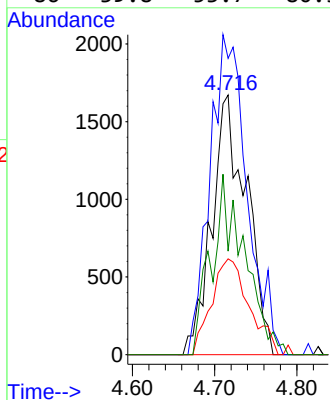
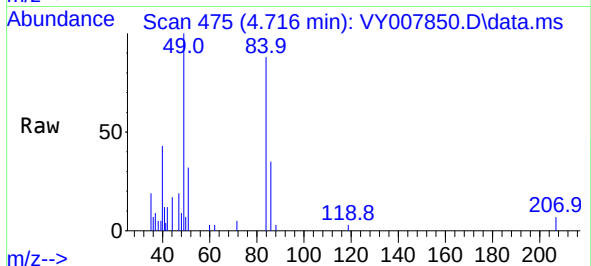


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

Tgt Ion: 84 Resp: 4896

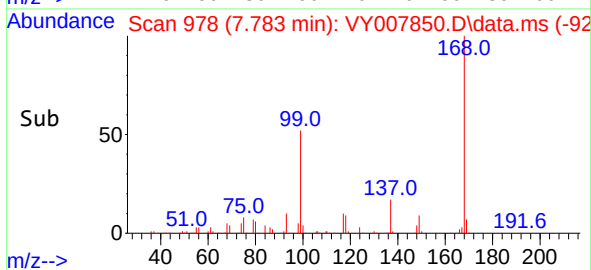
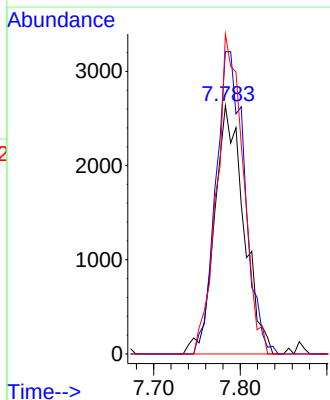
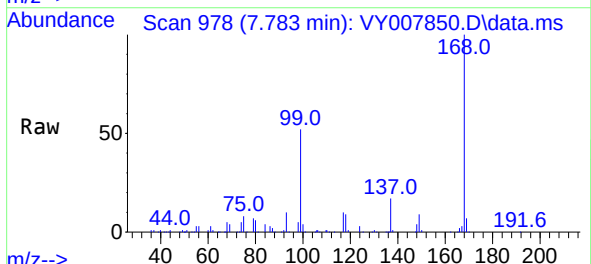
Ion	Ratio	Lower	Upper
84	100		
49	114.1	114.4	171.6#
51	36.9	35.3	52.9
86	39.8	53.7	80.5#

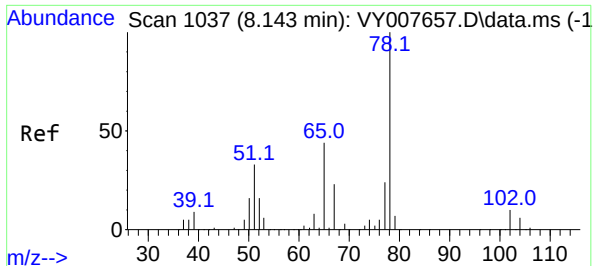


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 56 Resp: 6199

Ion	Ratio	Lower	Upper
56	100		
69	121.7	26.7	40.1#
84	128.9	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.412 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007850.D

Acq: 11 Mar 2022 13:29

Instrument :

MSVOA_Y

ClientSampleId :

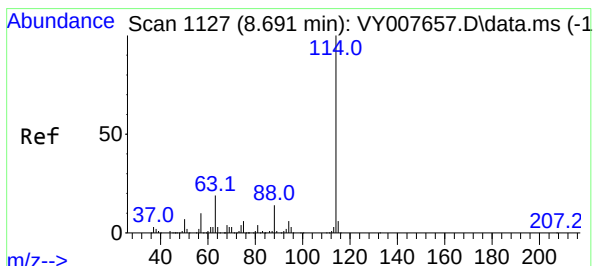
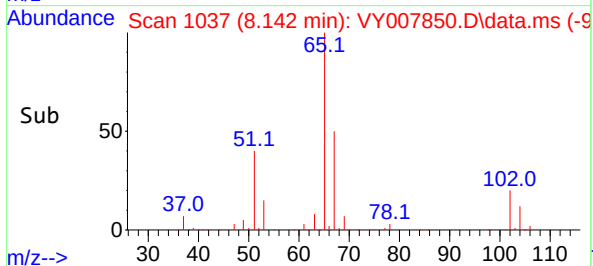
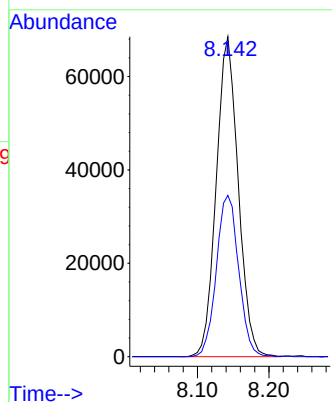
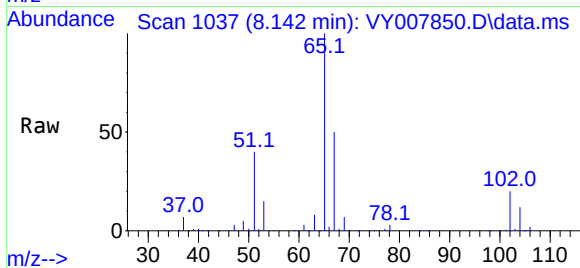
CG-B3-030722-4-5

Tgt Ion: 65 Resp: 146237

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007850.D

Acq: 11 Mar 2022 13:29

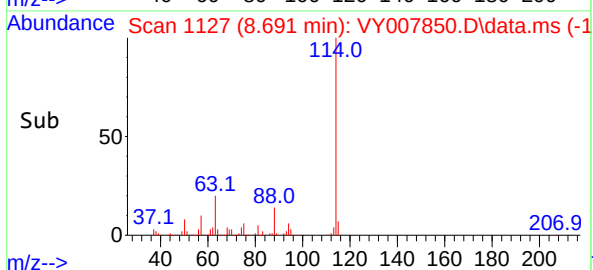
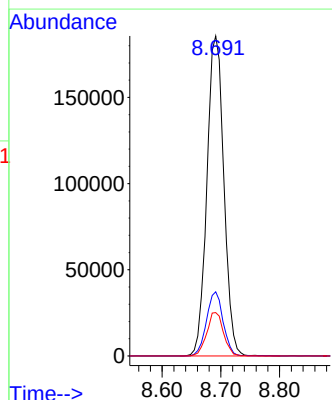
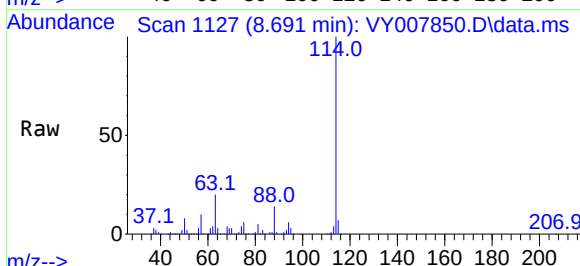
Tgt Ion: 114 Resp: 371129

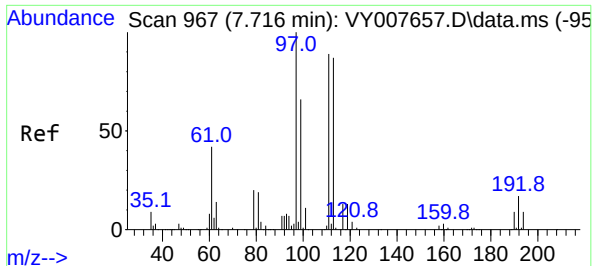
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 13.5 0.0 31.8

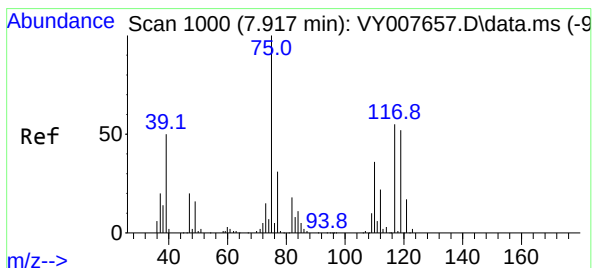
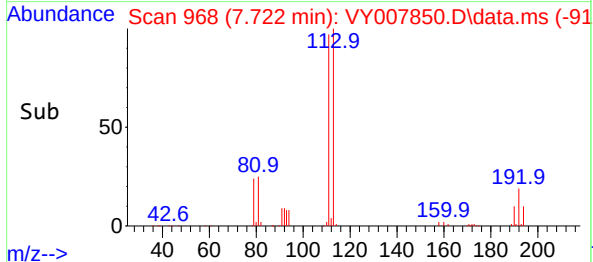
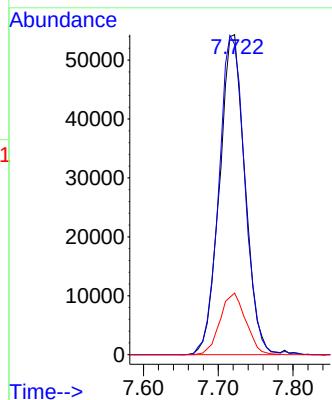
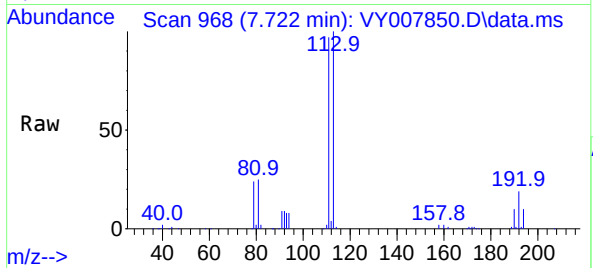




#35
Dibromofluoromethane
Concen: 54.180 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

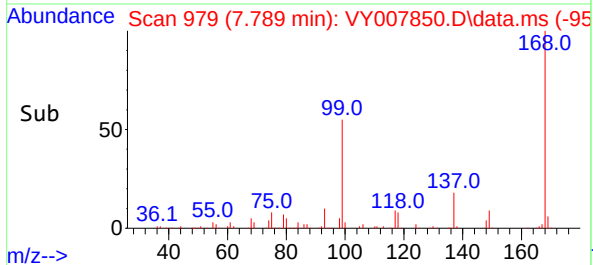
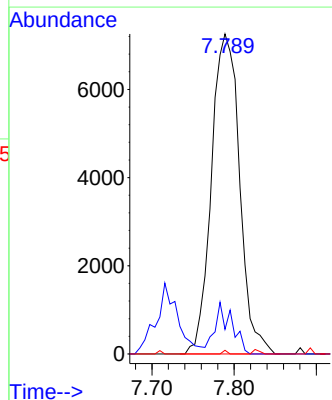
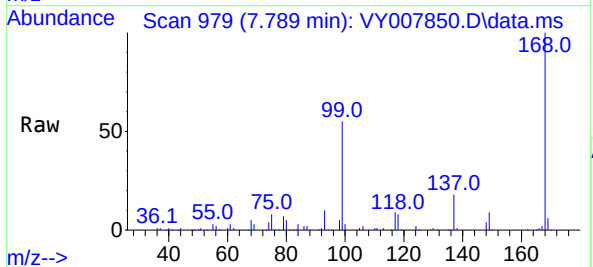
Instrument :
MSVOA_Y
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CG-B3-030722-4-5

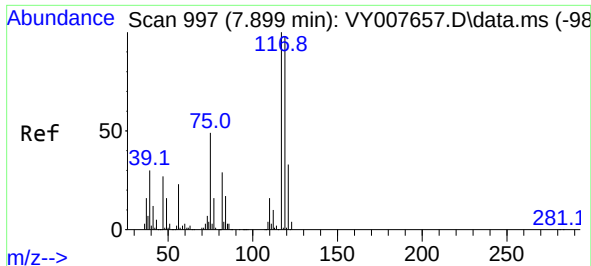
Tgt Ion:113 Resp: 128556
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 75 Resp: 17265
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#

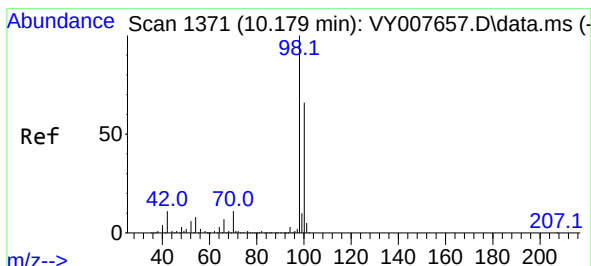
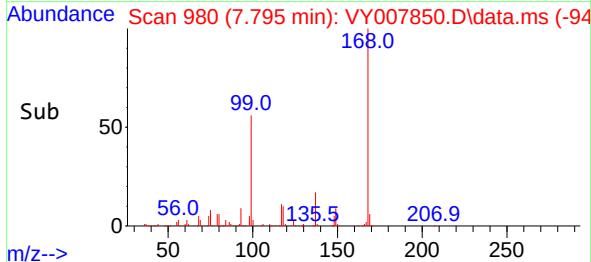
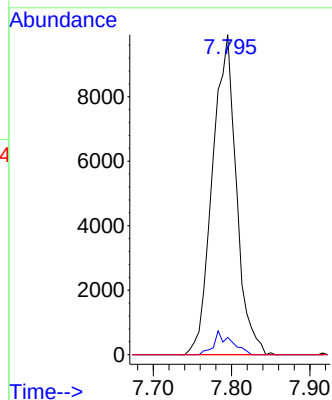
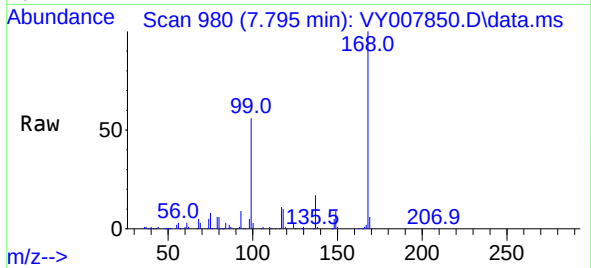




#38
Carbon Tetrachloride
Concen: 5.290 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

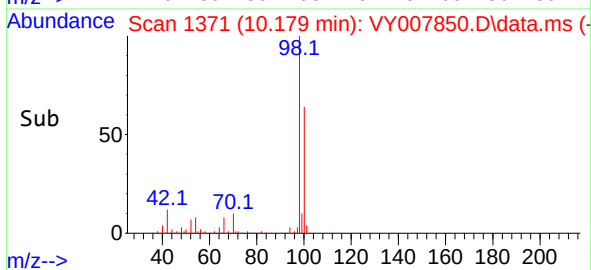
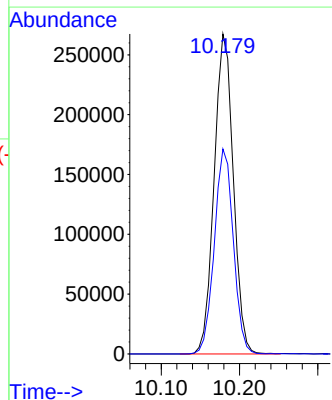
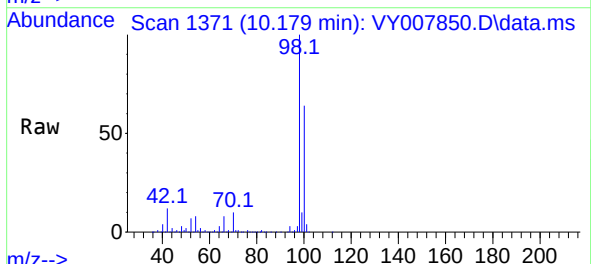
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

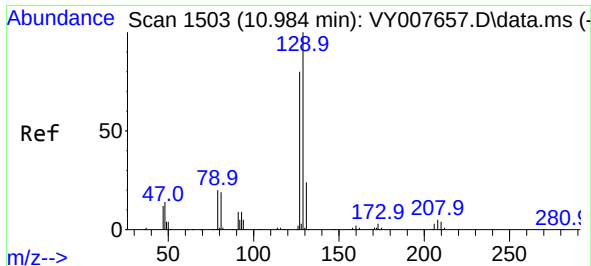
Tgt Ion:117 Resp: 21061
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.090 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 98 Resp: 454965
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2

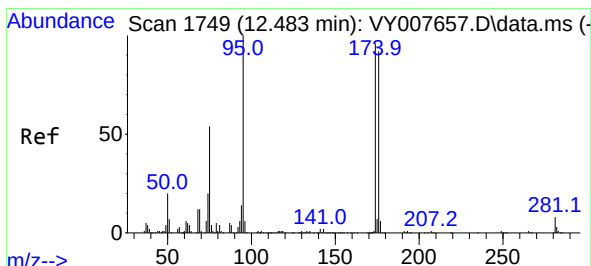
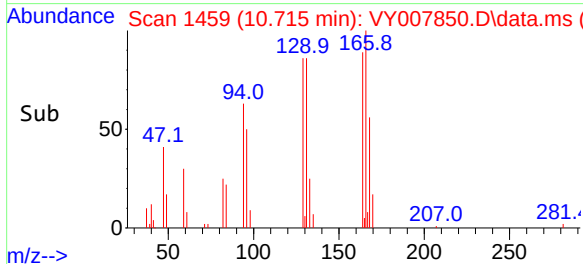
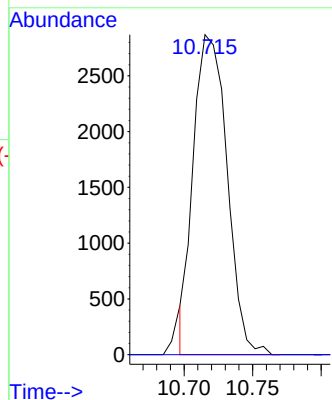
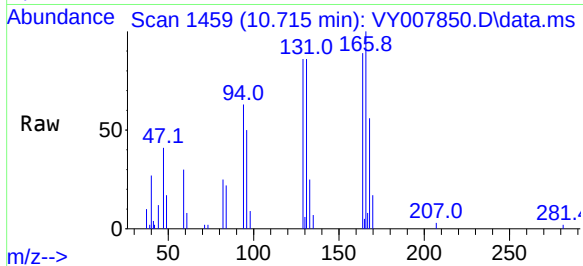




#60
Dibromochloromethane
Concen: 1.874 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.269 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

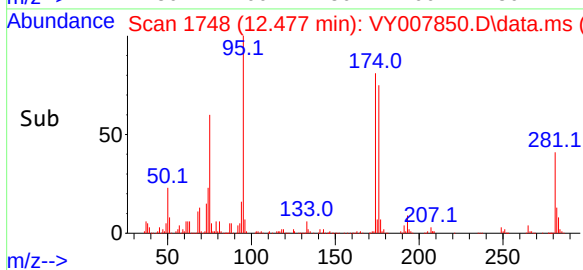
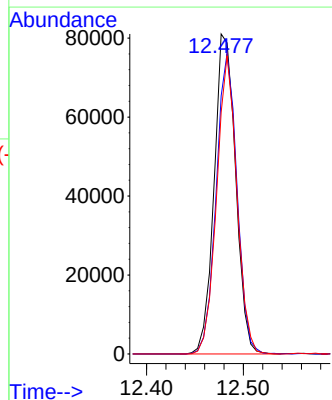
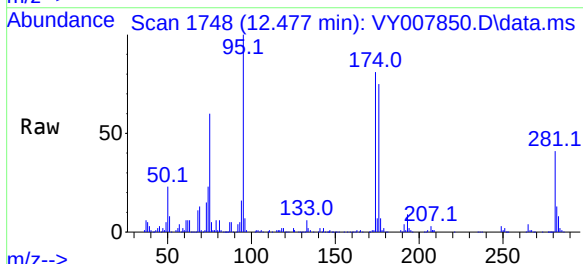
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

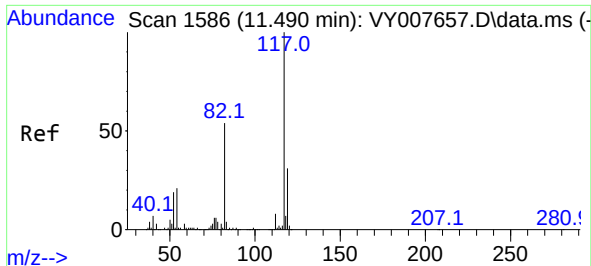
Tgt Ion:129 Resp: 4895
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 44.321 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion: 95 Resp: 124783
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 87.8 0.0 175.8

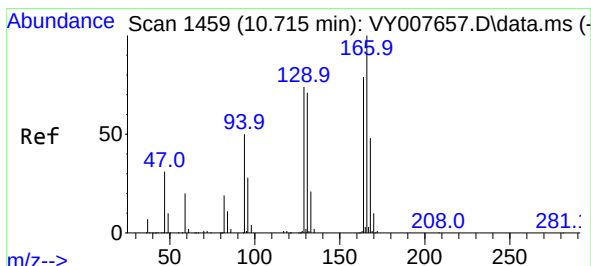
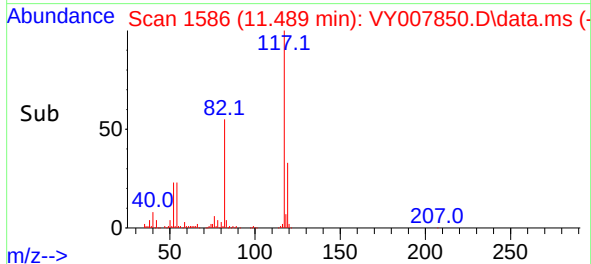
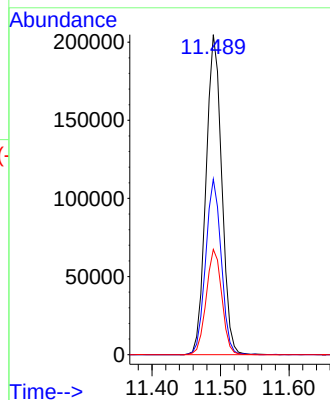
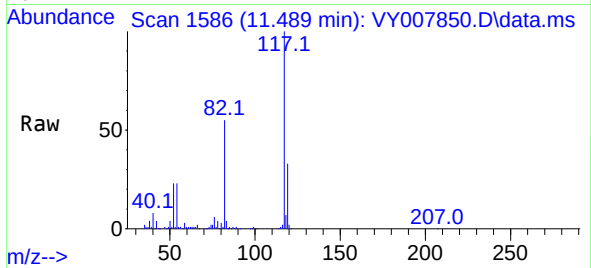




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

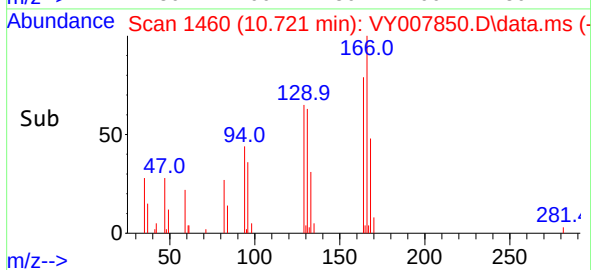
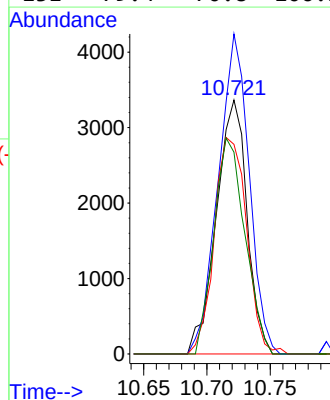
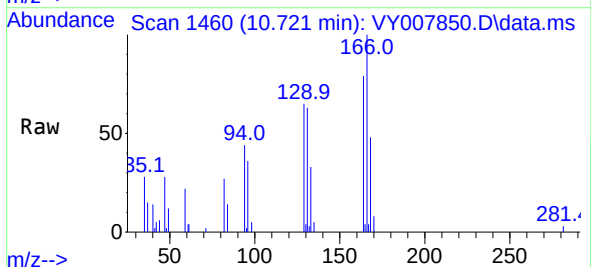
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

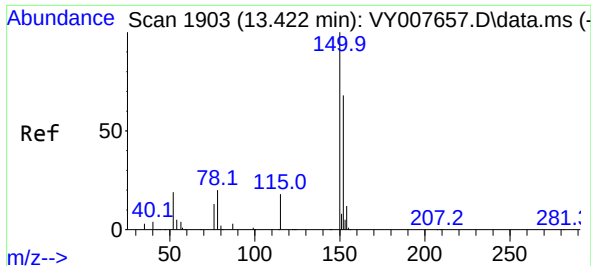
Tgt Ion:117 Resp: 327319
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 2.339 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion:164 Resp: 5675
Ion Ratio Lower Upper
164 100
166 126.0 100.4 150.6
129 82.5 71.4 107.0
131 79.4 70.8 106.2

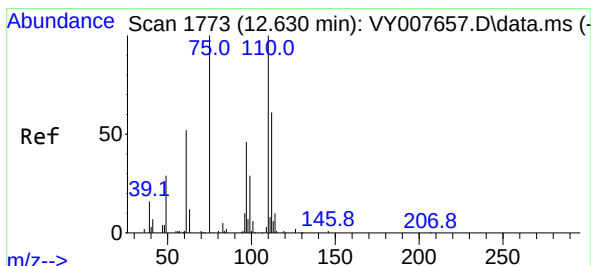
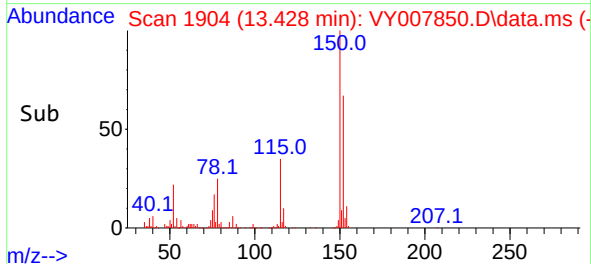
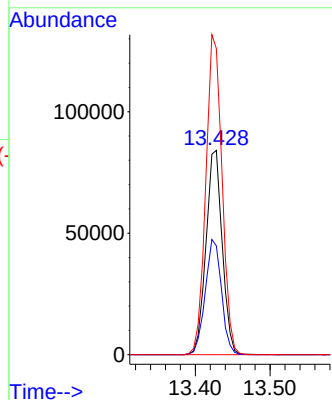
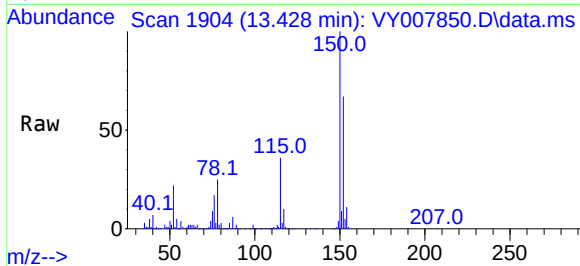




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY007850.D
 Acq: 11 Mar 2022 13:29

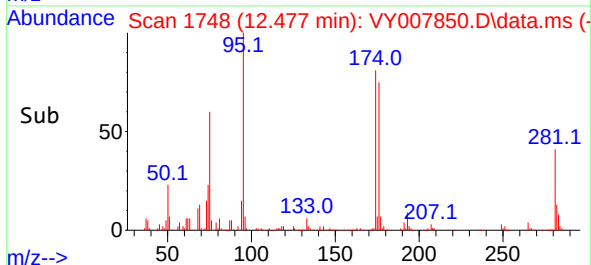
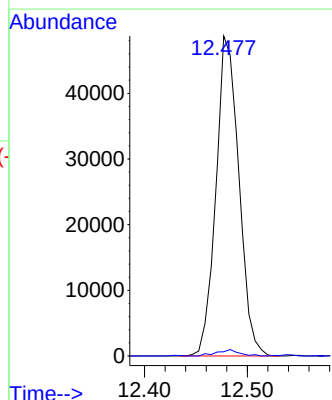
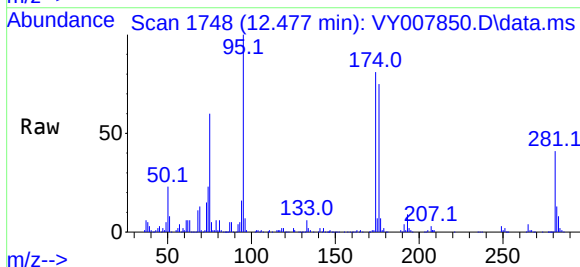
Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B3-030722-4-5

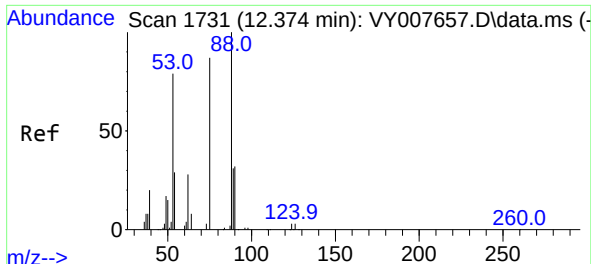
Tgt Ion:152 Resp: 127104
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 53.061 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY007850.D
 Acq: 11 Mar 2022 13:29

Tgt Ion: 75 Resp: 75318
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

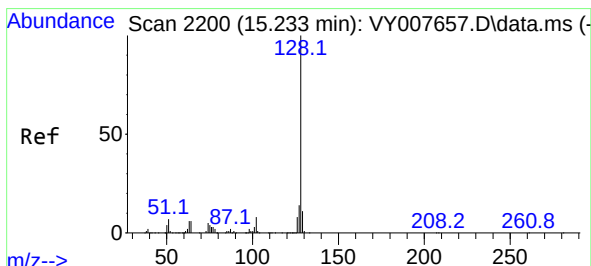
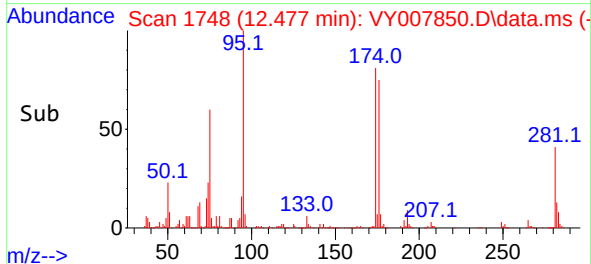
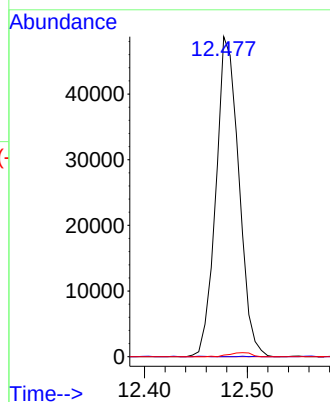
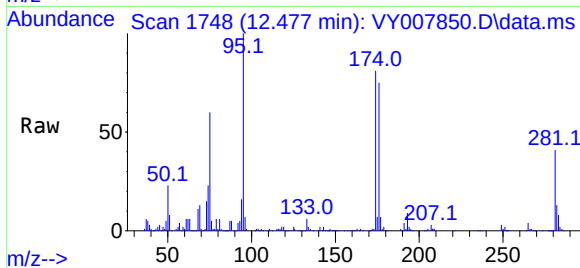




#81
trans-1,4-Dichloro-2-butene
Concen: 108.477 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-4-5

Tgt Ion: 75 Resp: 75318
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 1.2 37.0 55.4#



#95
Naphthalene
Concen: 4.553 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007850.D
Acq: 11 Mar 2022 13:29

Tgt Ion:128 Resp: 23631
Ion Ratio Lower Upper
128 100
127 12.7 11.0 16.4
129 12.0 8.4 12.6

