

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092821\
 Data File : VY006190.D
 Acq On : 28 Sep 2021 16:00
 Operator : SY/MD
 Sample : M3955-01
 Misc : 2.85G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS01-NA

Quant Time: Sep 28 17:50:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

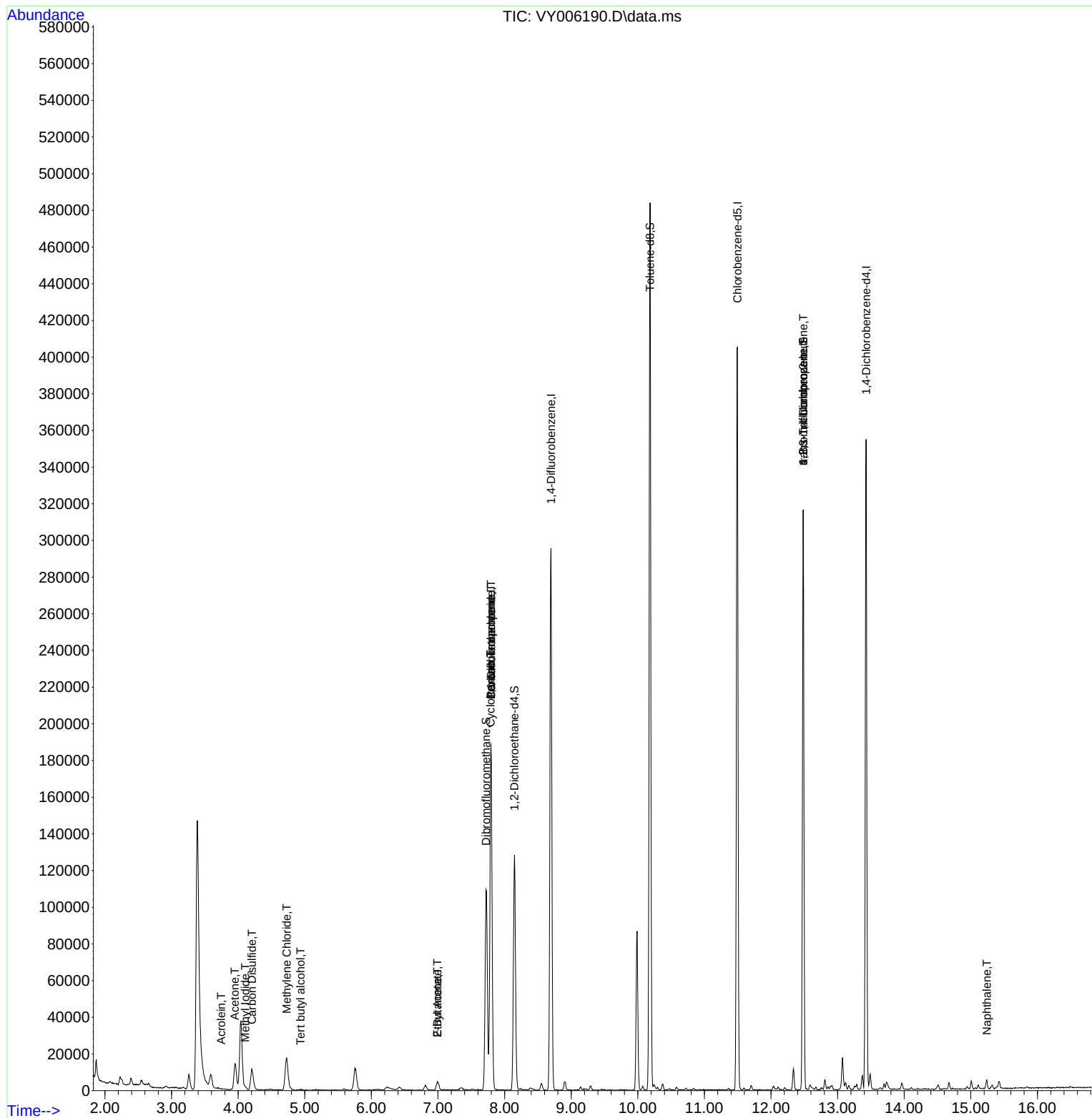
Internal Standards						
1) Pentafluorobenzene	7.795	168	145371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	243004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	215025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	102469	65.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.720%	
35) Dibromofluoromethane	7.722	113	74983	57.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.520%	
50) Toluene-d8	10.185	98	305614	56.246	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.500%	
62) 4-Bromofluorobenzene	12.483	95	90807	49.196	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.400%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	2019	1.384	ug/l #	90
11) Tert butyl alcohol	4.936	59	153	1.124	ug/l #	77
13) Acrolein	3.747	56	56	19.018	ug/l #	14
16) Acetone	3.948	43	25837	59.455	ug/l	100
17) Carbon Disulfide	4.204	76	13548	2.975	ug/l	96
20) Methylene Chloride	4.728	84	13083	5.394	ug/l	87
25) 2-Butanone	6.990	43	8350	13.794	ug/l	99
31) Cyclohexane	7.789	56	3336	1.132	ug/l #	30
36) 1,1-Dichloropropene	7.795	75	11491	4.753	ug/l #	50
37) Ethyl Acetate	6.990	43	8350	5.928	ug/l #	73
38) Carbon Tetrachloride	7.795	117	14442	5.657	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	49839	58.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49839	114.863	ug/l #	7
95) Naphthalene	15.239	128	3939	1.175	ug/l	96

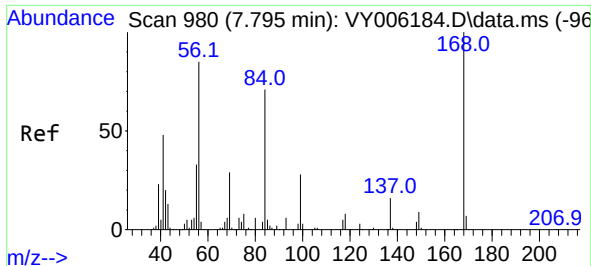
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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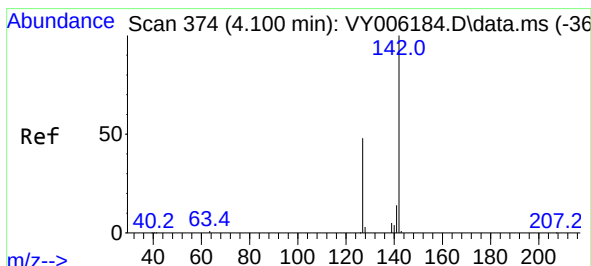
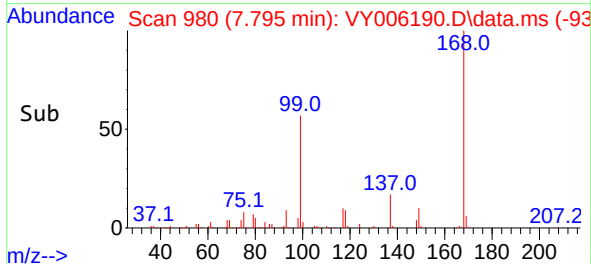
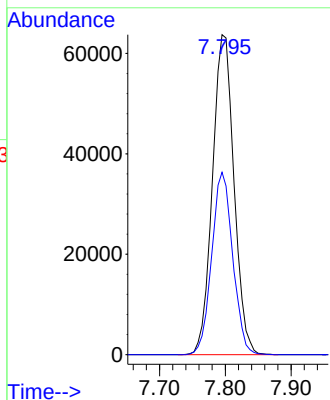
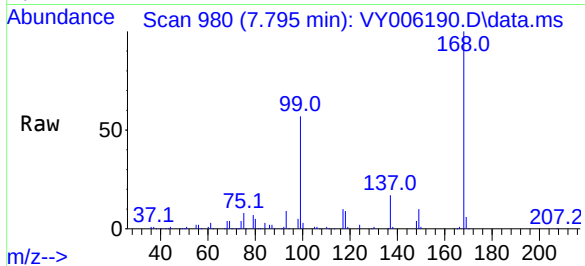




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

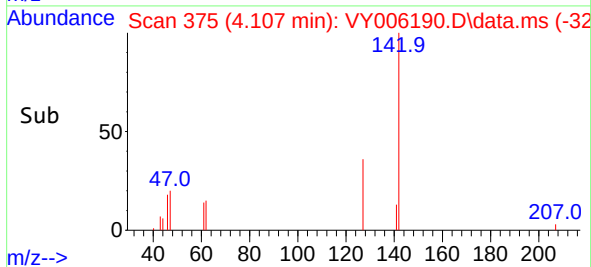
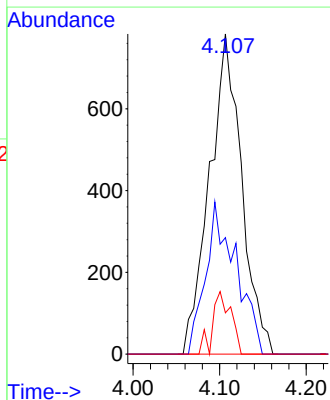
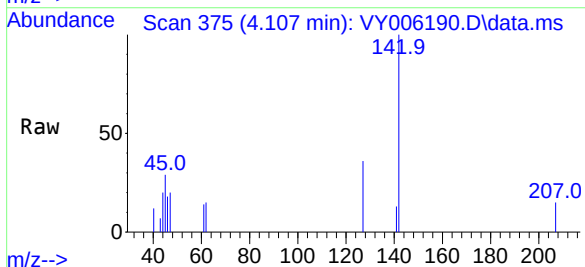
Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

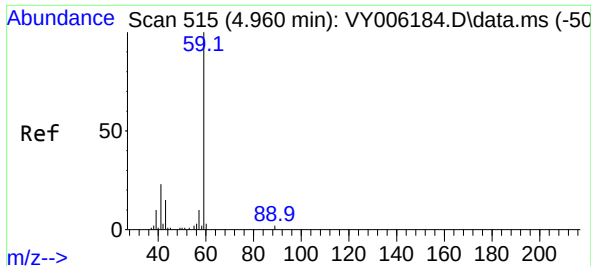
Tgt Ion:168 Resp: 145371
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.384 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.007 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion:142 Resp: 2019
Ion Ratio Lower Upper
142 100
127 45.0 41.5 62.3
141 11.1 11.9 17.9#

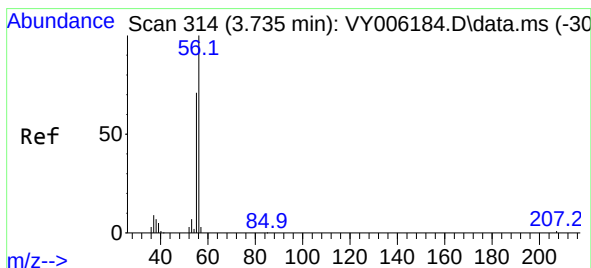
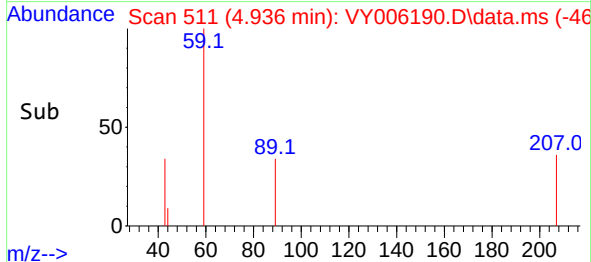
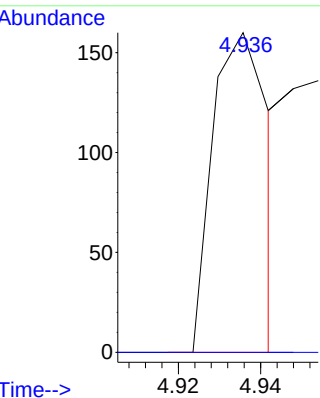
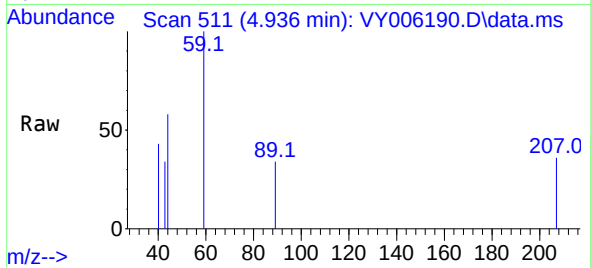




#11
Tert butyl alcohol
Concen: 1.124 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

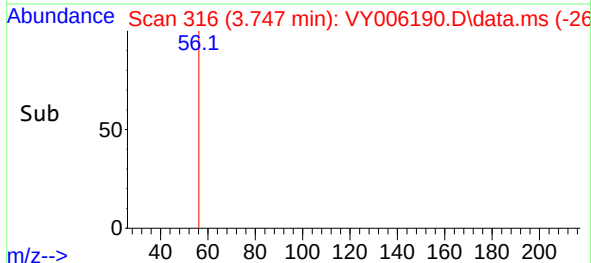
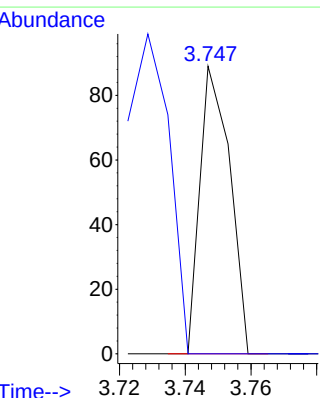
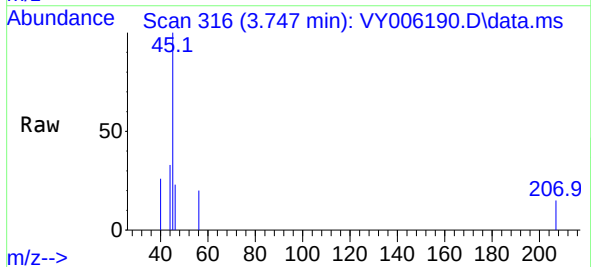
Instrument :
MSVOA_Y
ClientSampled :
SS01-NA

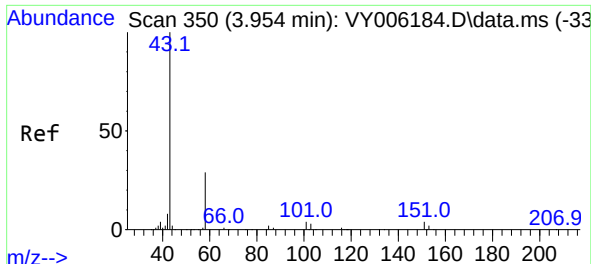
Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 19.018 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

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

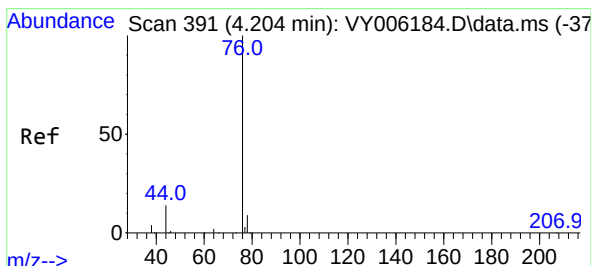
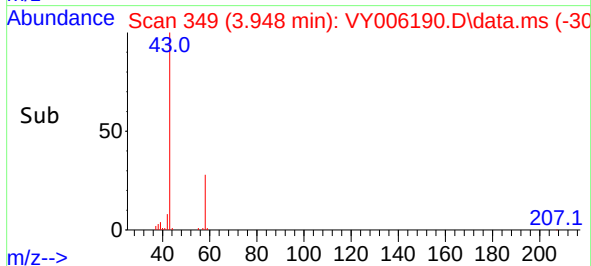
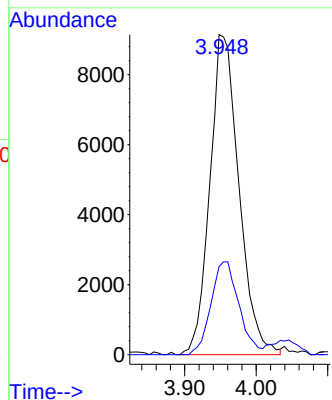
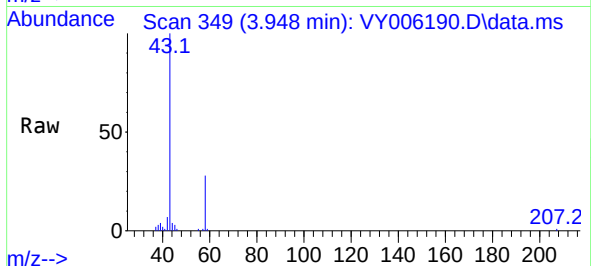




#16
Acetone
Concen: 59.455 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

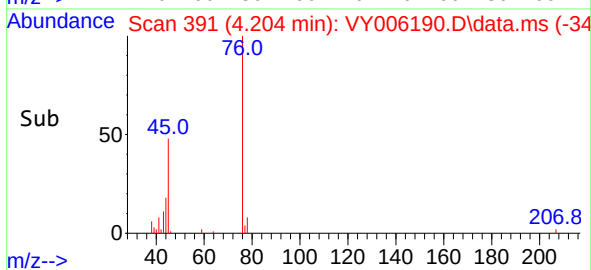
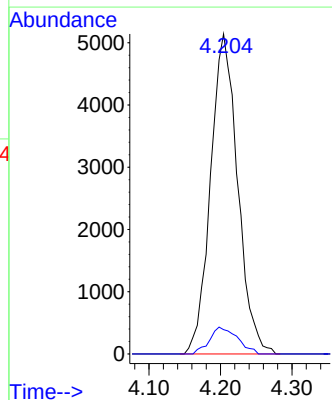
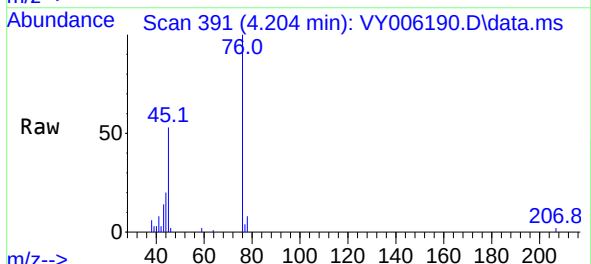
Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

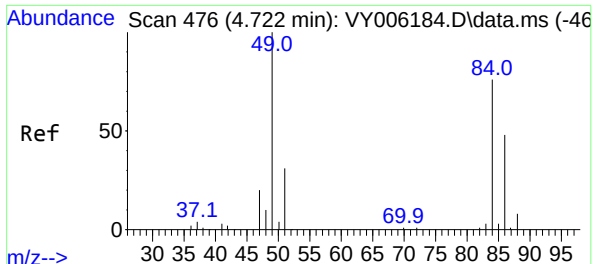
Tgt Ion: 43 Resp: 25837
Ion Ratio Lower Upper
43 100
58 27.6 22.0 33.0



#17
Carbon Disulfide
Concen: 2.975 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion: 76 Resp: 13548
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.0



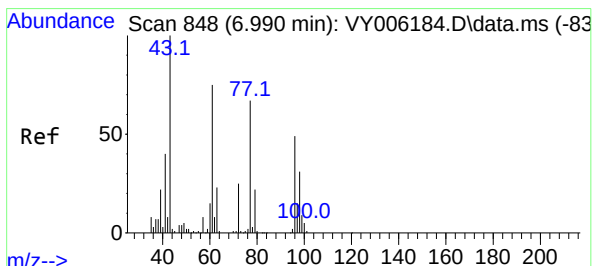
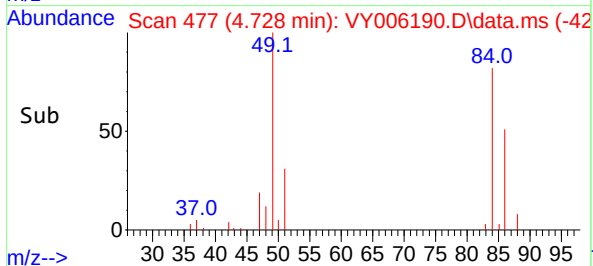
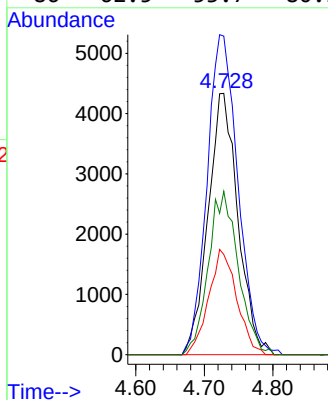
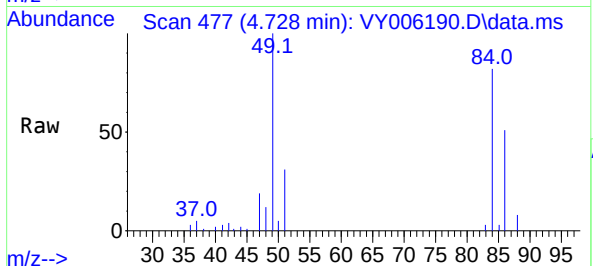


#20
Methylene Chloride
Concen: 5.394 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

Tgt Ion: 84 Resp: 13083

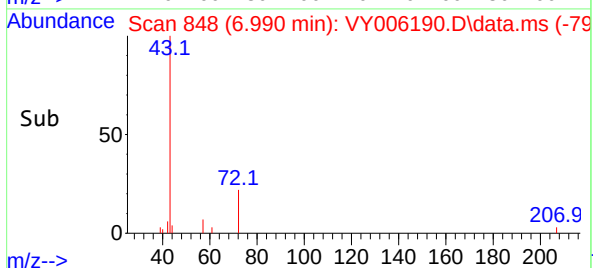
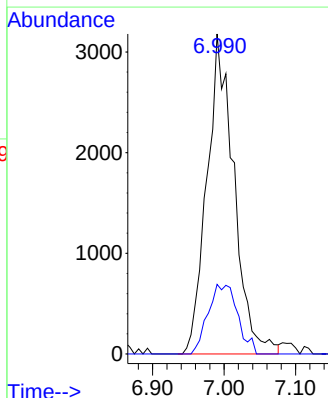
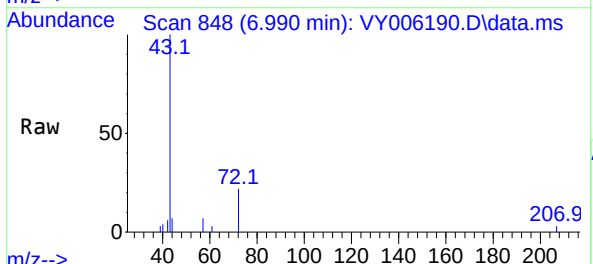
Ion	Ratio	Lower	Upper
84	100		
49	121.9	114.4	171.6
51	38.4	35.3	52.9
86	62.5	53.7	80.5

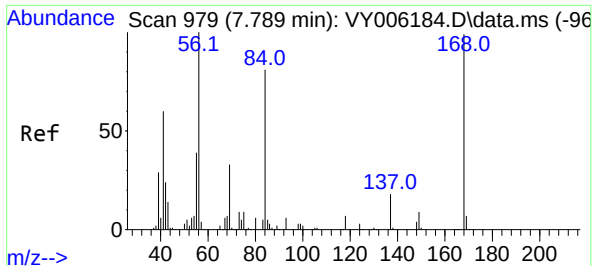


#25
2-Butanone
Concen: 13.794 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion: 43 Resp: 8350

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.7	26.5

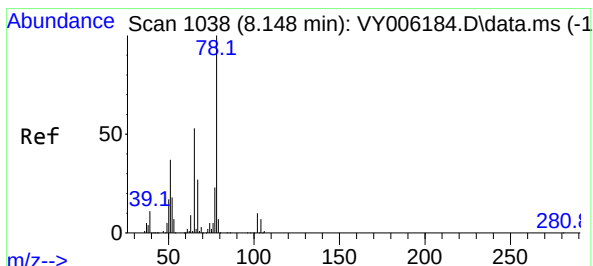
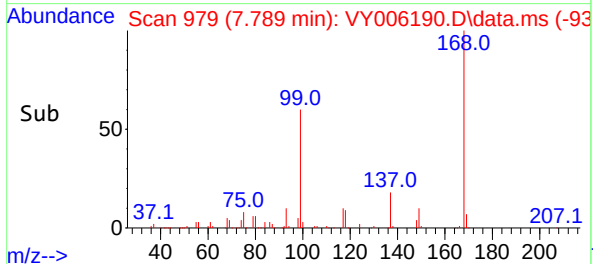
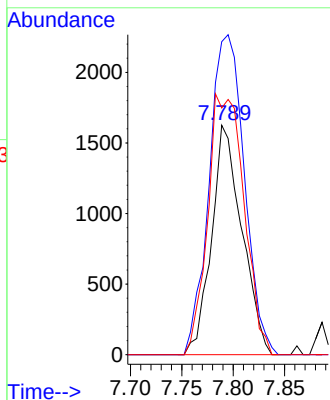
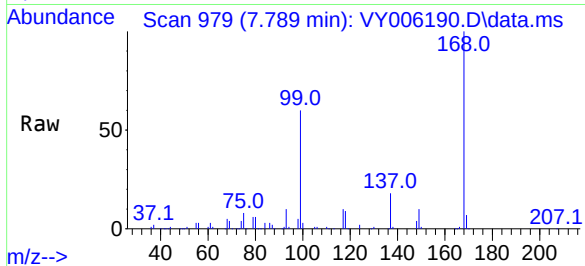




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

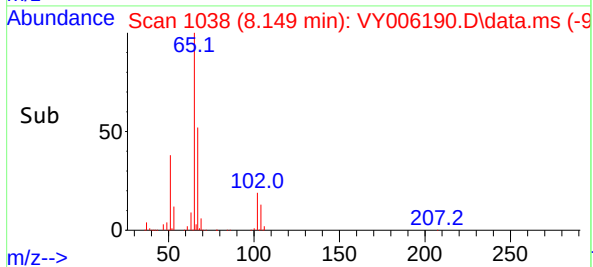
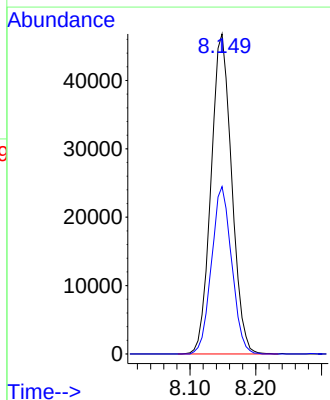
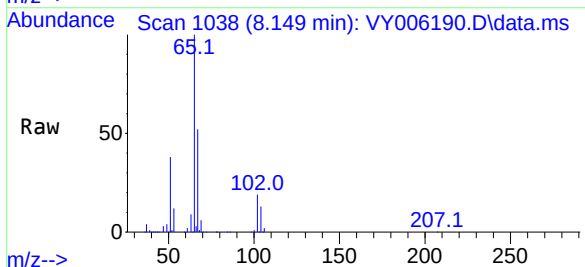
Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

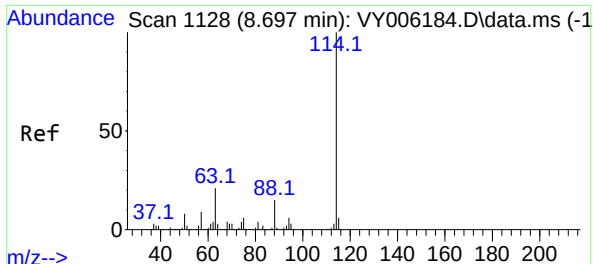
Tgt Ion: 56 Resp: 3336
Ion Ratio Lower Upper
56 100
69 136.4 26.7 40.1#
84 107.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.859 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion: 65 Resp: 102469
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.4



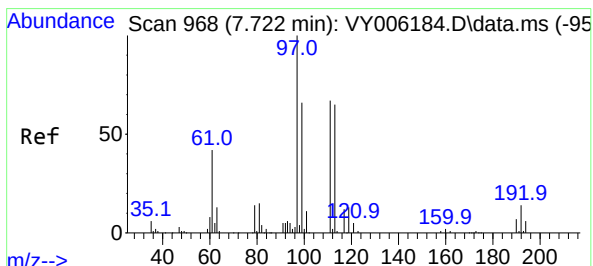
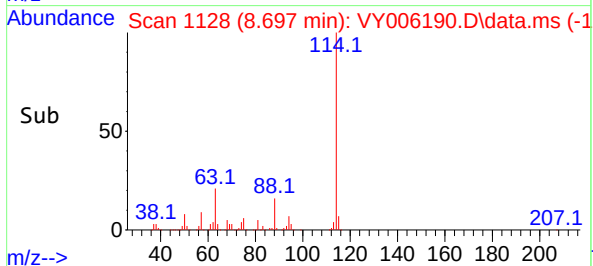
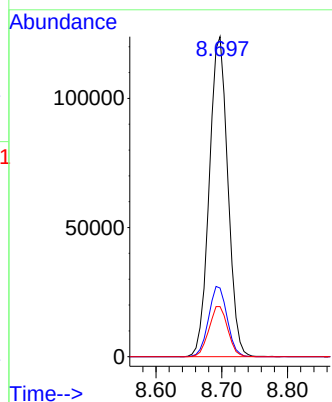
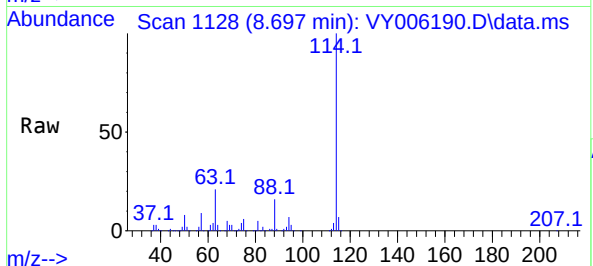


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

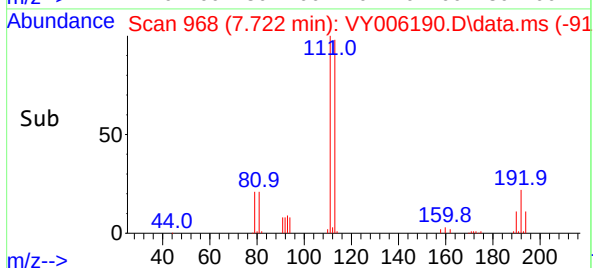
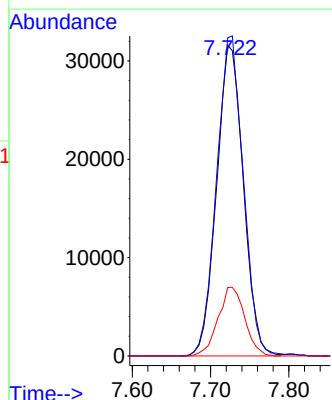
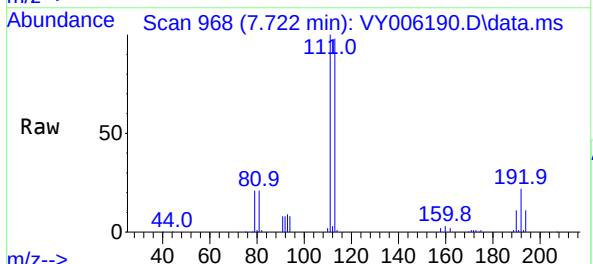
Tgt Ion:	114	Resp:	243004
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	15.7	0.0	31.8

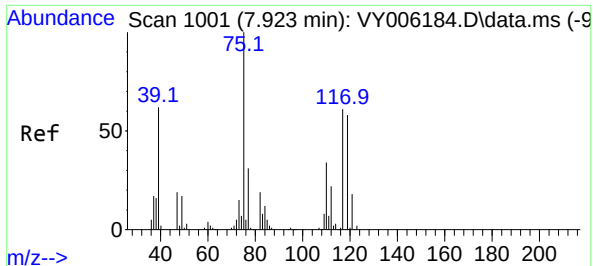


#35

Dibromofluoromethane
Concen: 57.756 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion:	113	Resp:	74983
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	22.0	17.6	26.4



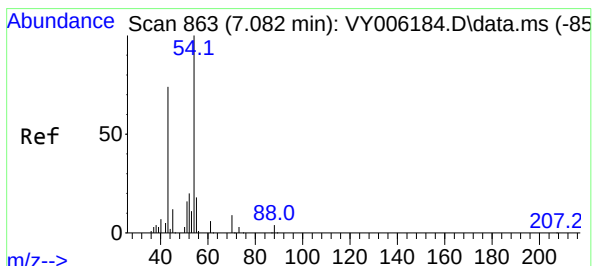
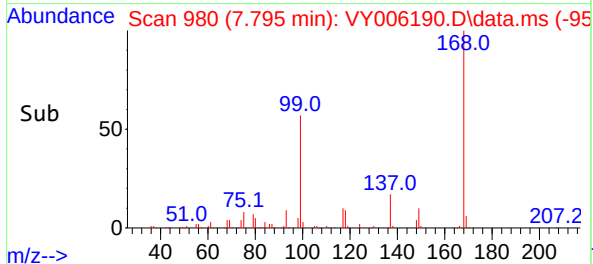
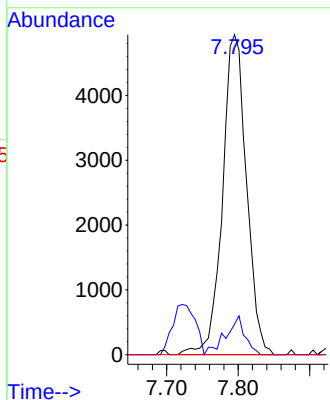
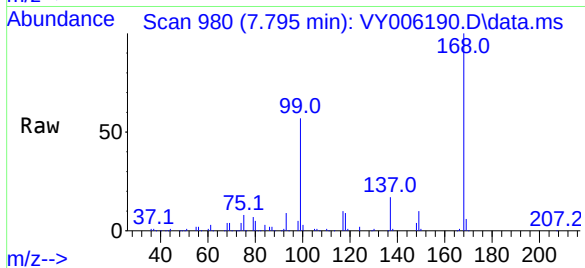


#36

1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

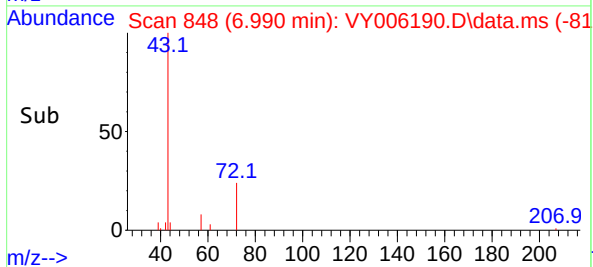
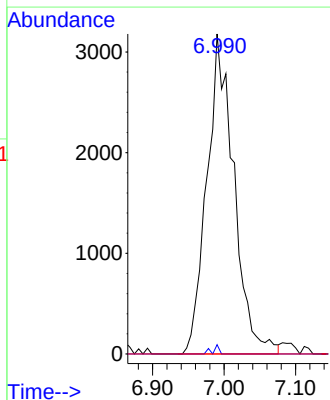
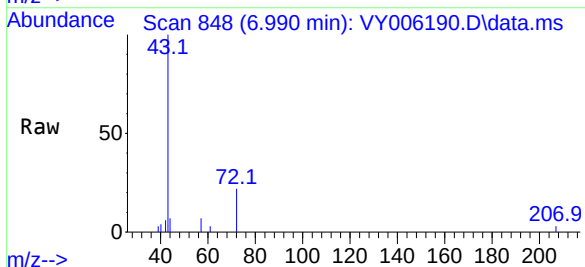
Tgt Ion: 75 Resp: 11491
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

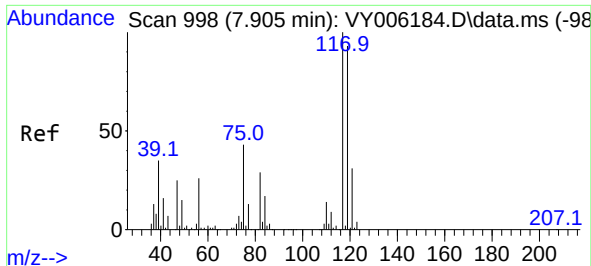


#37

Ethyl Acetate
Concen: 5.928 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.091 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion: 43 Resp: 8350
Ion Ratio Lower Upper
43 100
61 0.6 9.7 14.5#
70 0.0 7.1 10.7#

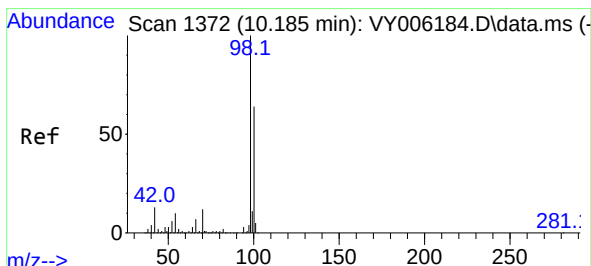
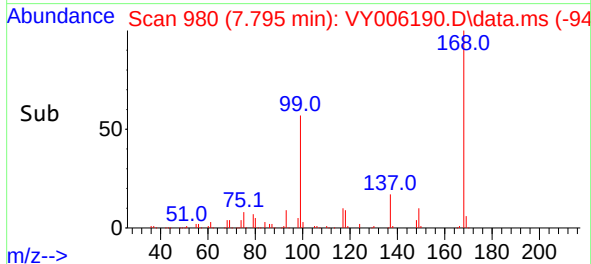
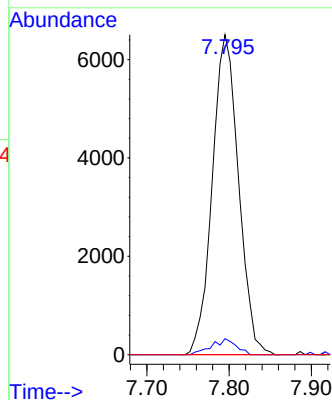
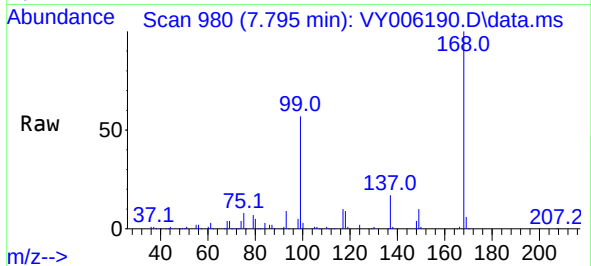




#38
Carbon Tetrachloride
Concen: 5.657 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

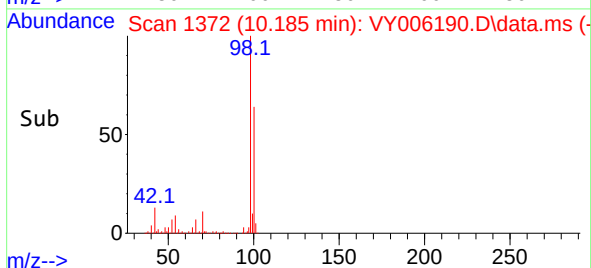
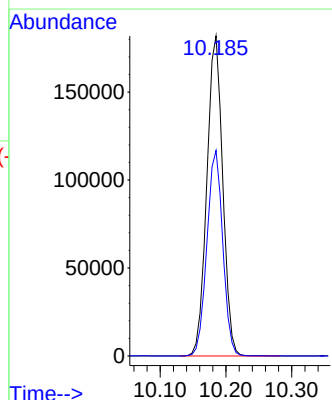
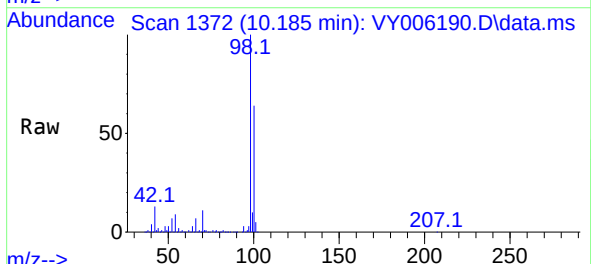
Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

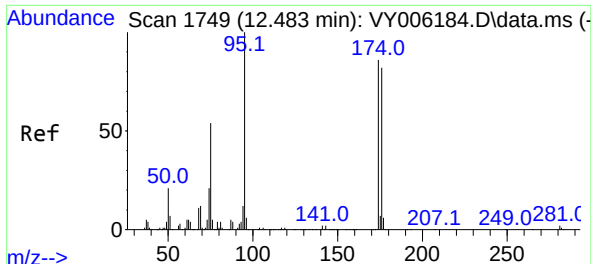
Tgt Ion:117 Resp: 14442
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.246 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion: 98 Resp: 305614
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



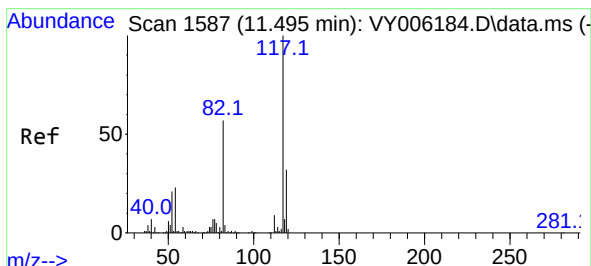
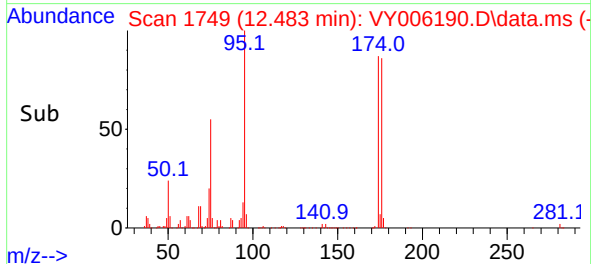
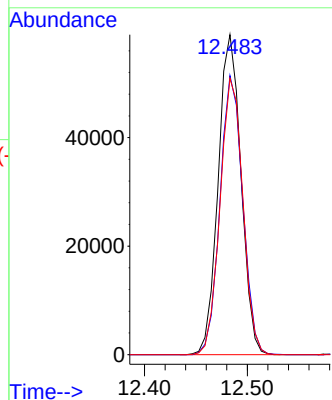
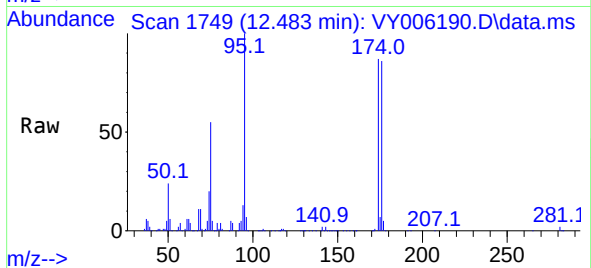


#62
4-Bromofluorobenzene
Concen: 49.196 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

Tgt Ion: 95 Resp: 90807

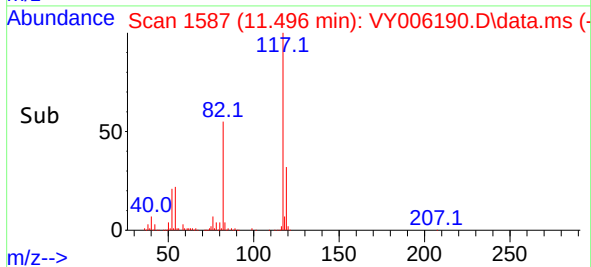
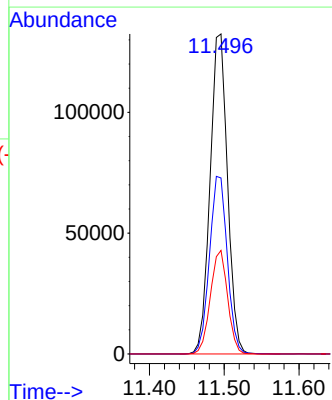
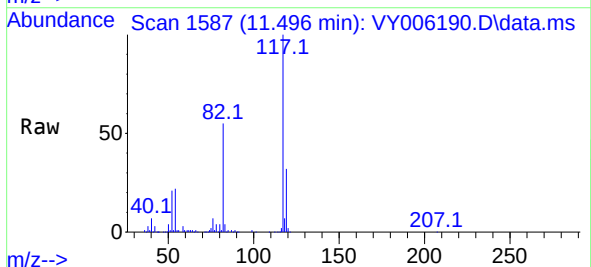
Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	177.0
176	86.0	0.0	175.8

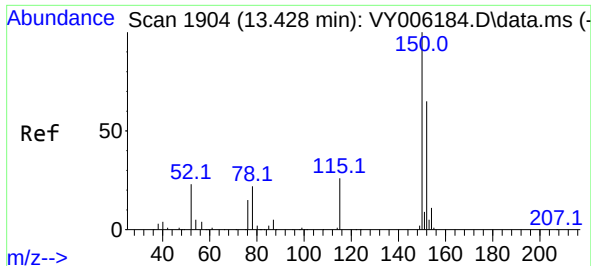


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion: 117 Resp: 215025

Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.0	64.4
119	32.4	25.4	38.0

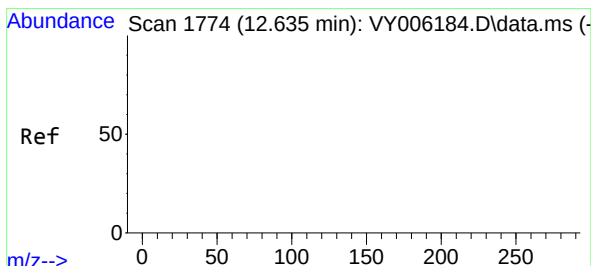
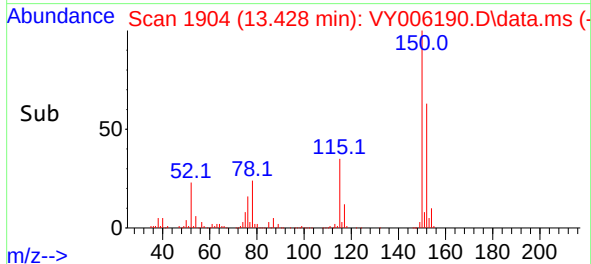
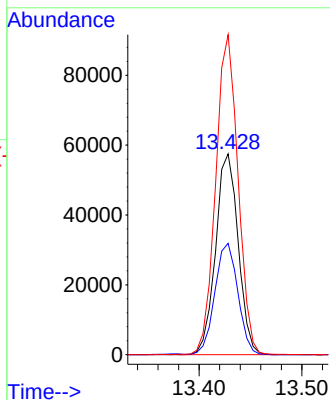
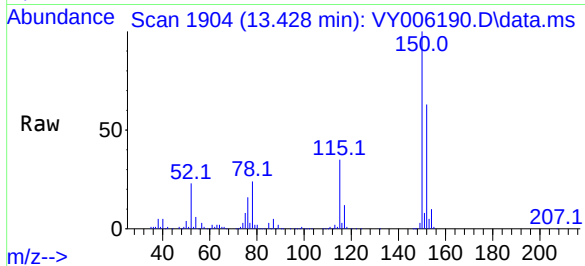




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006190.D
 Acq: 28 Sep 2021 16:00

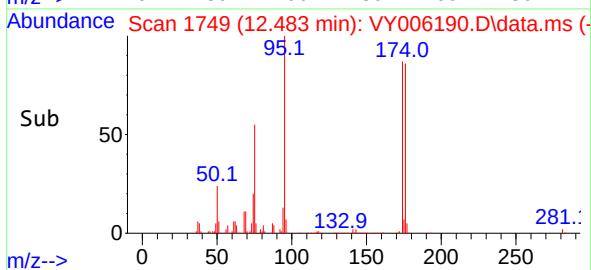
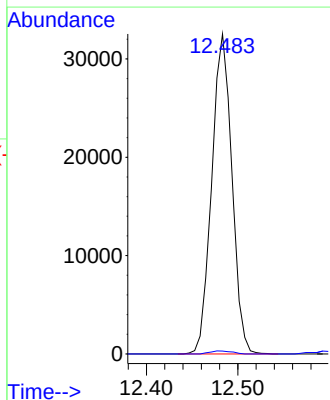
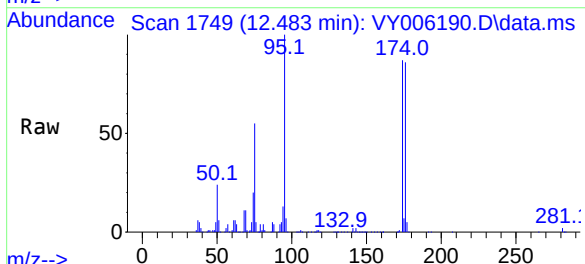
Instrument :
 MSVOA_Y
 ClientSampleId :
 SS01-NA

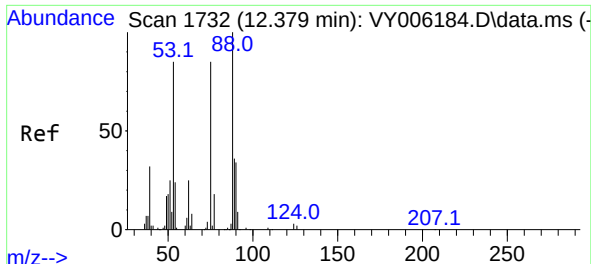
Tgt Ion:152 Resp: 87728
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.2 84.7
 150 157.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 58.450 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006190.D
 Acq: 28 Sep 2021 16:00

Tgt Ion: 75 Resp: 49839
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

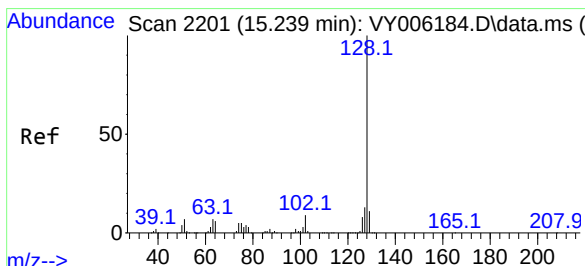
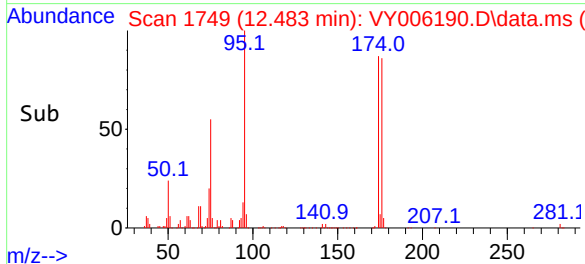
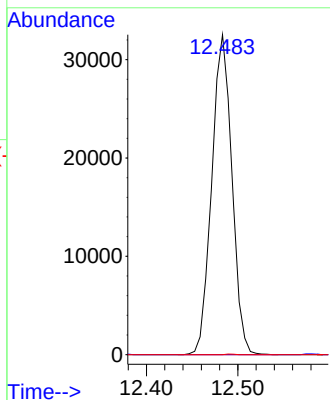
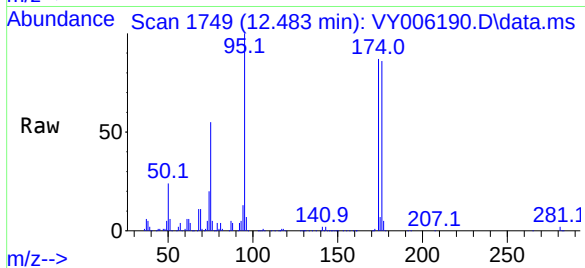




#81
trans-1,4-Dichloro-2-butene
Concen: 114.863 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SS01-NA

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



#95
Naphthalene
Concen: 1.175 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY006190.D
Acq: 28 Sep 2021 16:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.6	11.0	16.4
129	11.3	8.4	12.6

