

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032222\
 Data File : VY007996.D
 Acq On : 22 Mar 2022 13:34
 Operator : SY/MD
 Sample : N1974-10RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-6-7-14-15

Quant Time: Mar 23 05:06:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

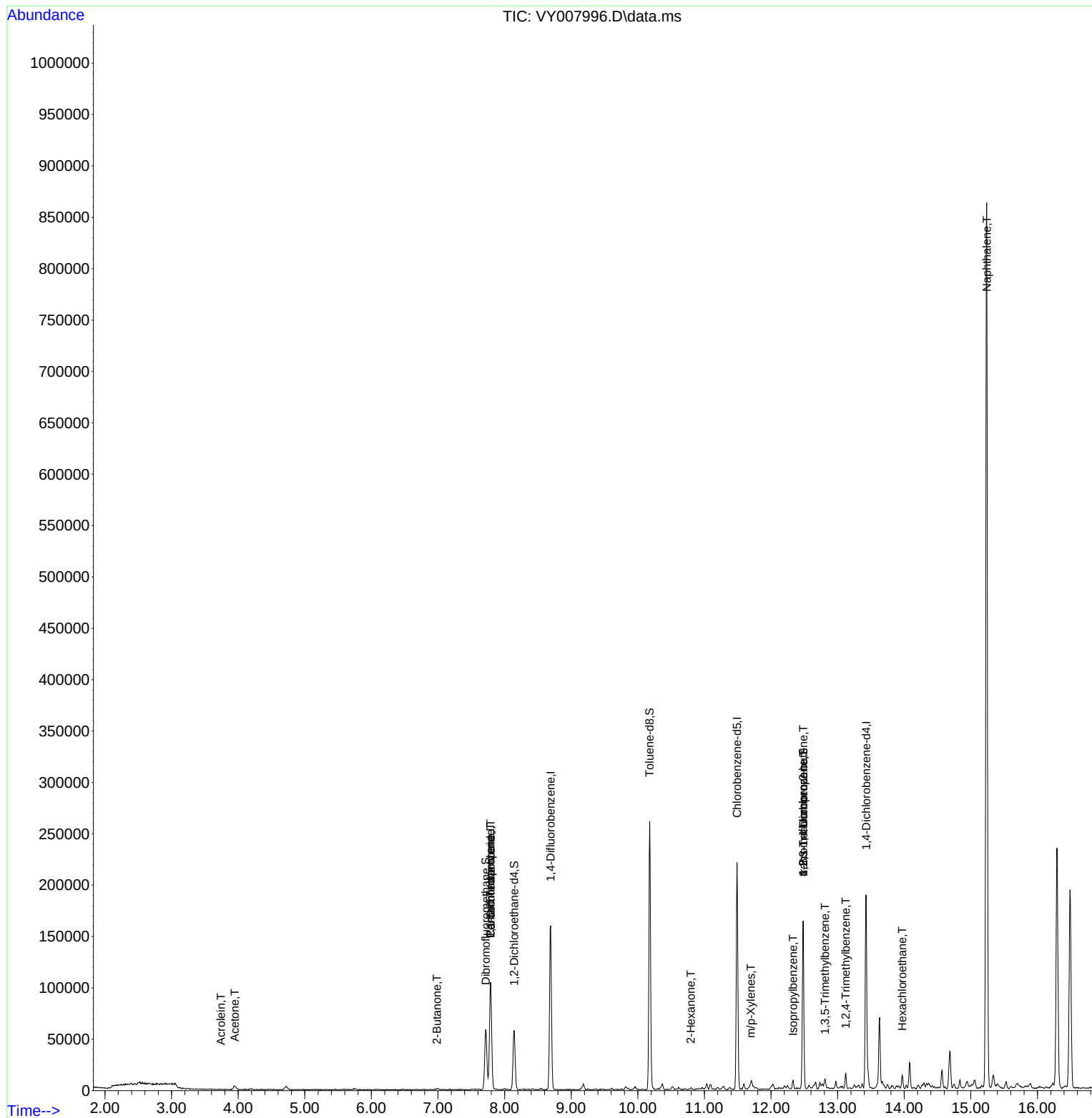
Internal Standards						
1) Pentafluorobenzene	7.789	168	75215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	137473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	114859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	45067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	42797	49.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.800%		
35) Dibromofluoromethane	7.716	113	40613	42.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.140%		
50) Toluene-d8	10.179	98	165279	57.589	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	115.180%		
62) 4-Bromofluorobenzene	12.483	95	50009	36.091	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	399	Below Cal	#	68
4) Vinyl Chloride	2.253	62	192	Below Cal	#	43
5) Bromomethane	2.662	94	552	Below Cal	#	31
13) Acrolein	3.741	56	66	1.097	ug/l	86
16) Acetone	3.948	43	6346	27.894	ug/l	91
17) Carbon Disulfide	4.204	76	967	Below Cal	#	75
18) Methyl Acetate	4.473	43	130	Below Cal	#	56
20) Methylene Chloride	4.716	84	1917	Below Cal	#	72
25) 2-Butanone	6.984	43	2099	5.760	ug/l	67
31) Cyclohexane	7.789	56	1931	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	7174	5.010	ug/l	50
38) Carbon Tetrachloride	7.789	117	8446	5.520	ug/l	17
39) Methylcyclohexane	9.185	83	2135	Below Cal		93
59) 2-Hexanone	10.795	43	1316	2.074	ug/l	28
68) m/p-Xylenes	11.697	106	1920	1.004	ug/l	99
73) Isopropylbenzene	12.331	105	4966	1.252	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	27430	42.702	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	3270	1.002	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.483	75	27430	89.692	ug/l	7
84) 1,2,4-Trimethylbenzene	13.123	105	7081	2.214	ug/l	97
90) Hexachloroethane	13.971	117	857	1.209	ug/l	6
95) Naphthalene	15.239	128	699996	311.670	ug/l	98

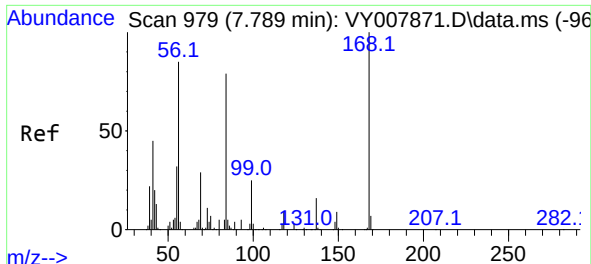
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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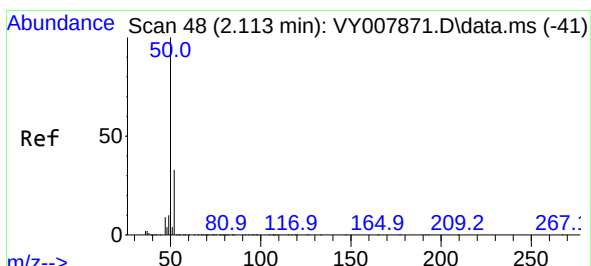
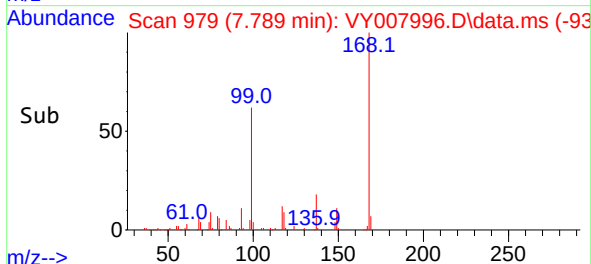
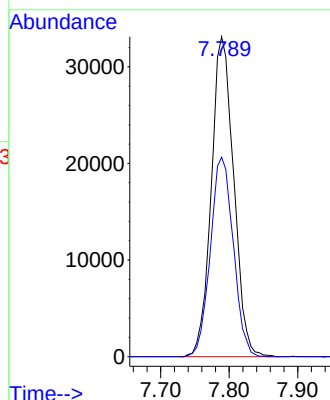
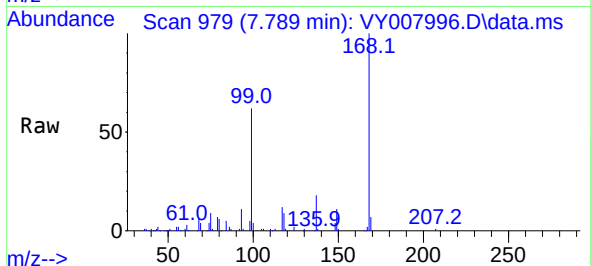




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

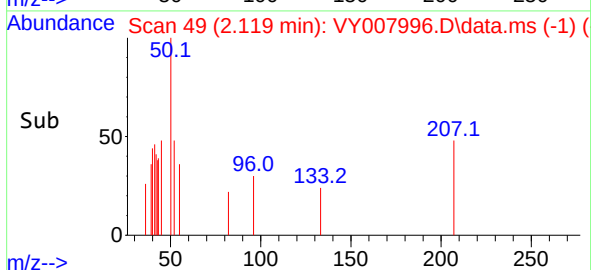
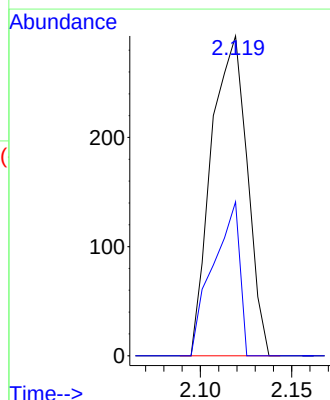
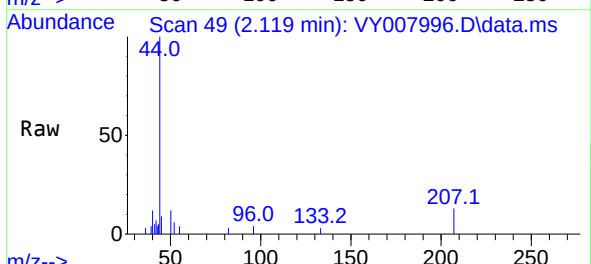
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

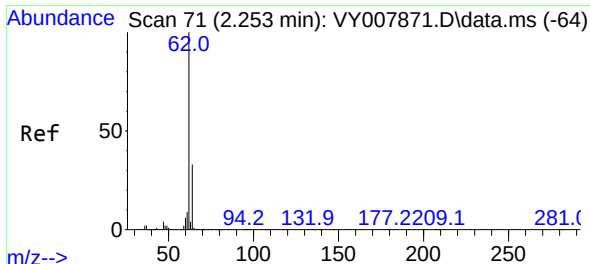
Tgt Ion:168 Resp: 75215
Ion Ratio Lower Upper
168 100
99 62.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 48.1 24.6 37.0#

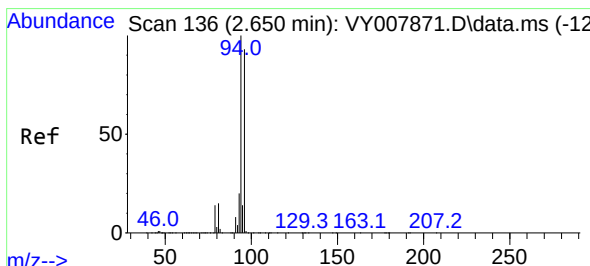
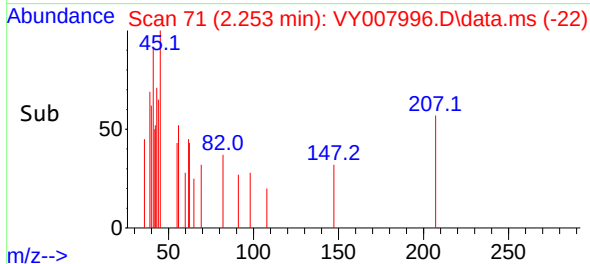
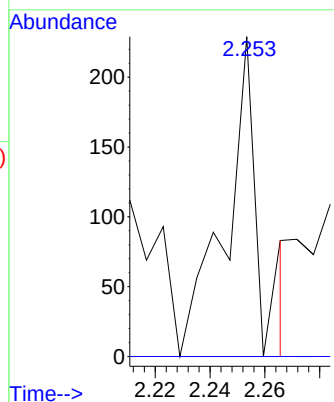
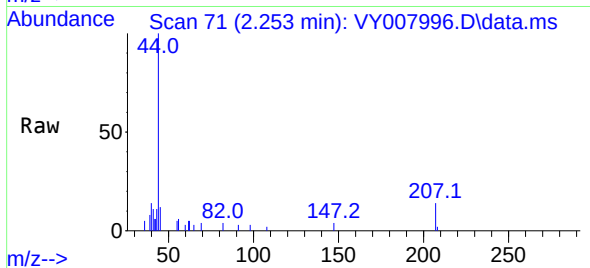




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.253 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY007996.D
 Acq: 22 Mar 2022 13:34

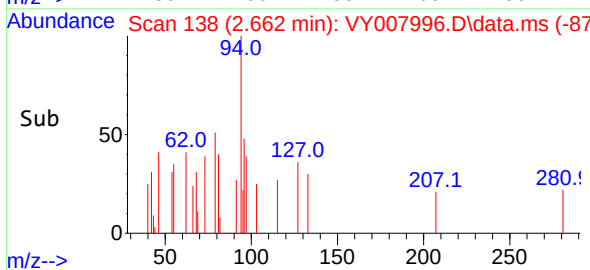
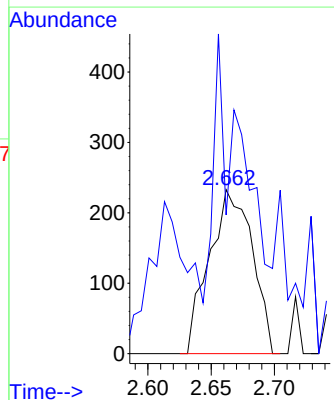
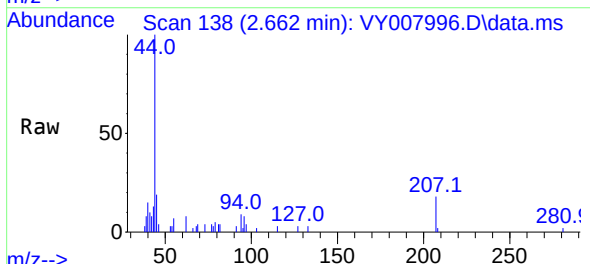
Instrument :
 MSVOA_Y
 ClientSampleId :
 G-6-7-14-15

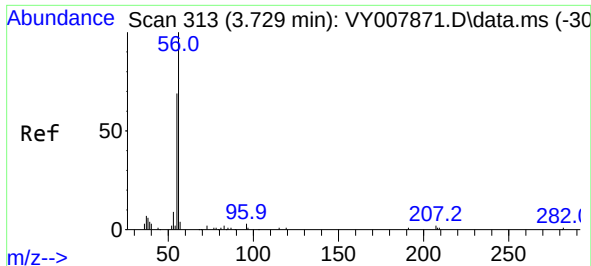
Tgt Ion: 62 Resp: 192
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY007996.D
 Acq: 22 Mar 2022 13:34

Tgt Ion: 94 Resp: 552
 Ion Ratio Lower Upper
 94 100
 96 25.8 73.5 110.3#

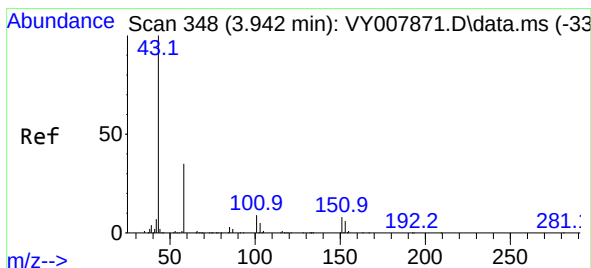
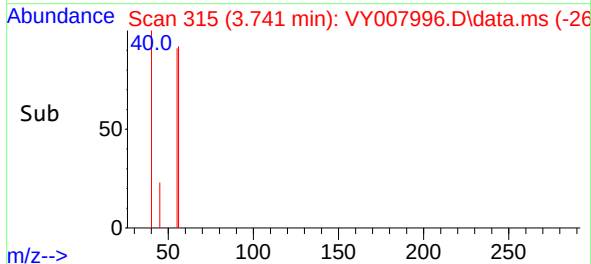
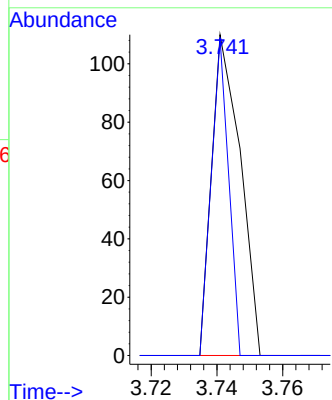
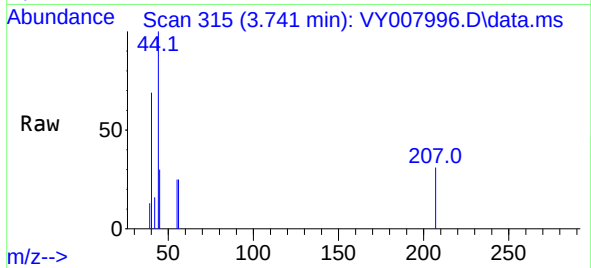




#13
Acrolein
Concen: 1.097 ug/l
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

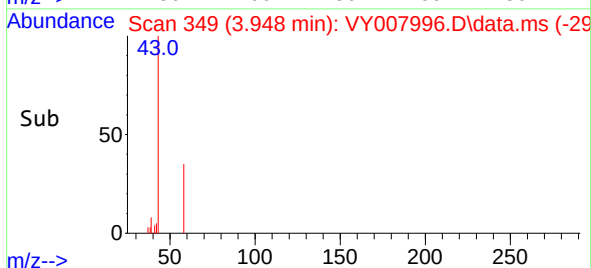
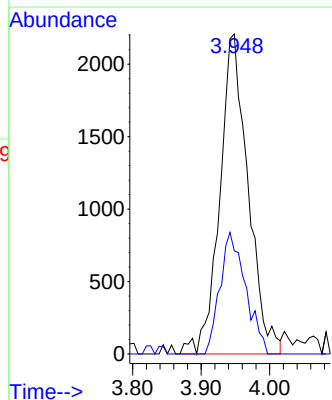
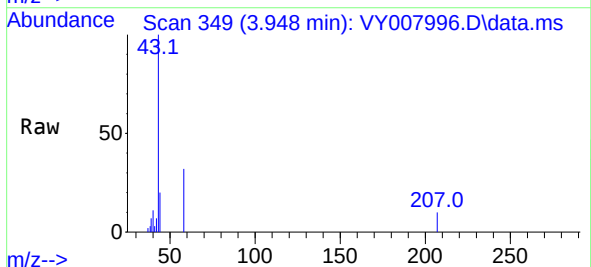
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

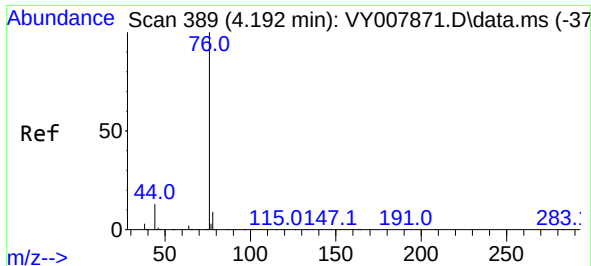
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 60.6 57.6 86.4



#16
Acetone
Concen: 27.894 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 43 Resp: 6346
Ion Ratio Lower Upper
43 100
58 32.3 22.0 33.0

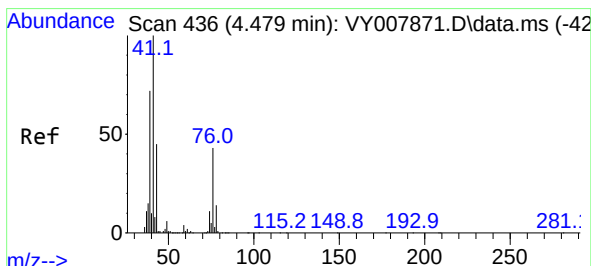
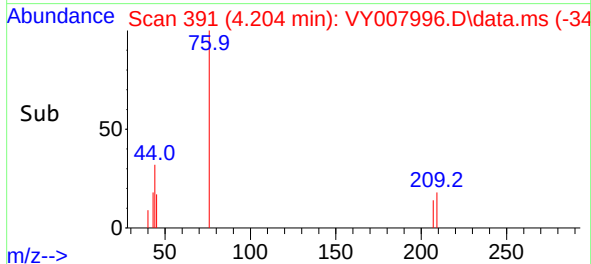
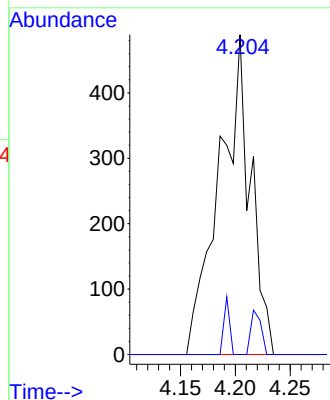
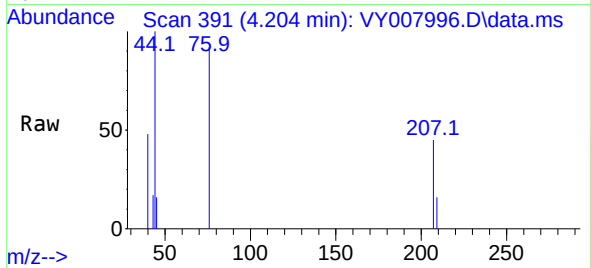




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

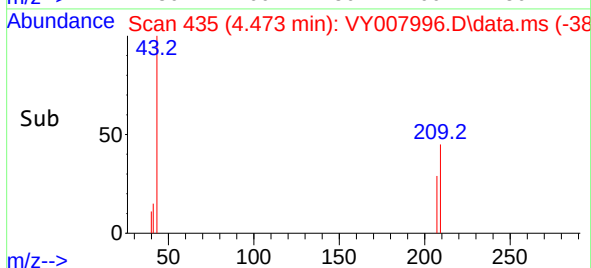
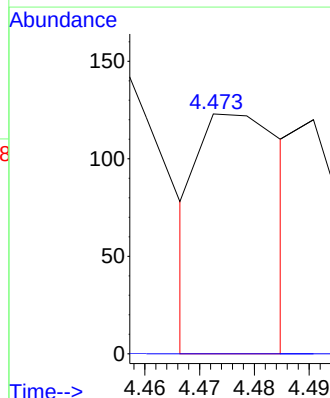
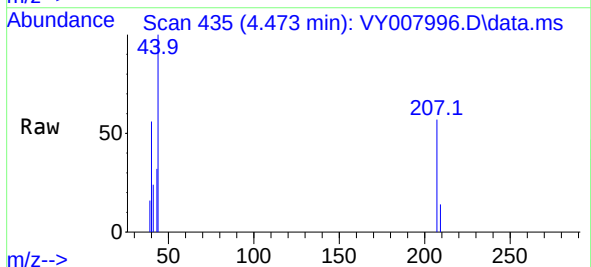
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

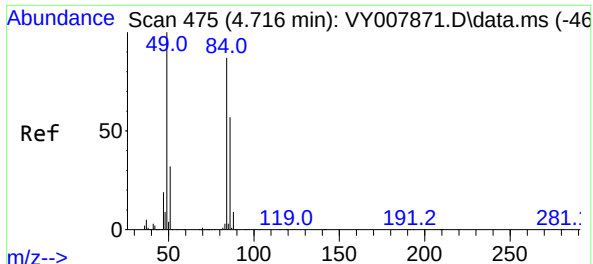
Tgt Ion: 76 Resp: 967
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



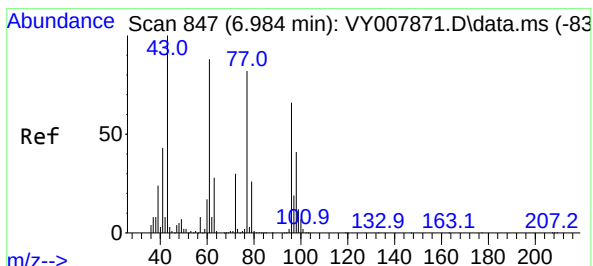
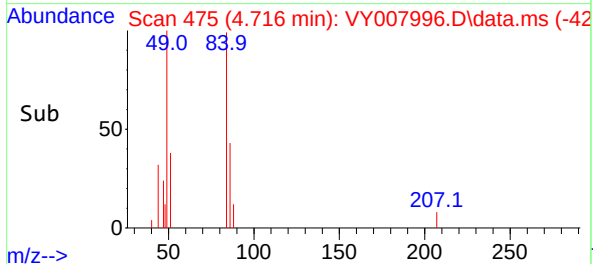
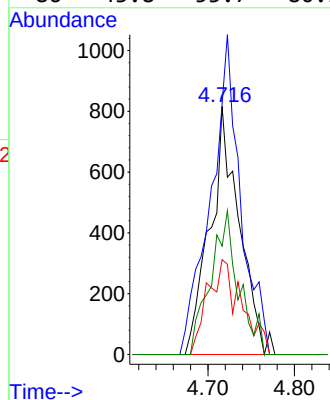
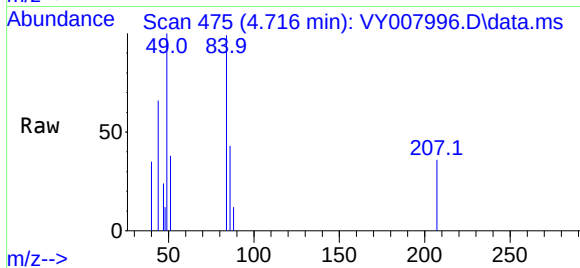


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

Tgt Ion: 84 Resp: 1917

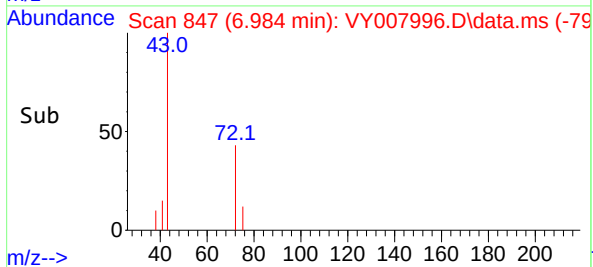
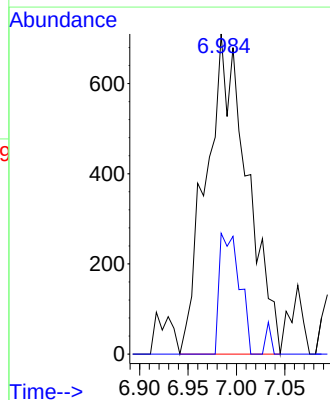
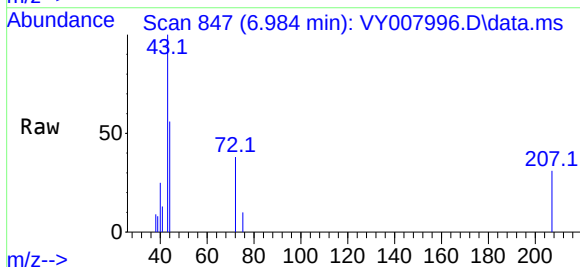
Ion	Ratio	Lower	Upper
84	100		
49	101.1	114.4	171.6#
51	38.2	35.3	52.9
86	43.8	53.7	80.5#

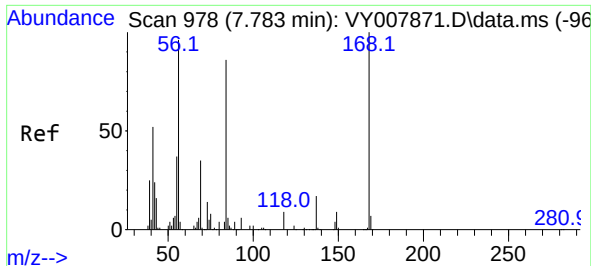


#25
2-Butanone
Concen: 5.760 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 43 Resp: 2099

Ion	Ratio	Lower	Upper
43	100		
72	37.7	17.7	26.5#

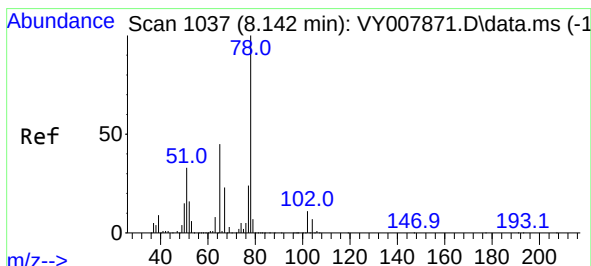
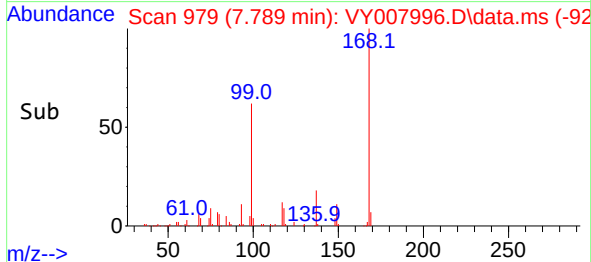
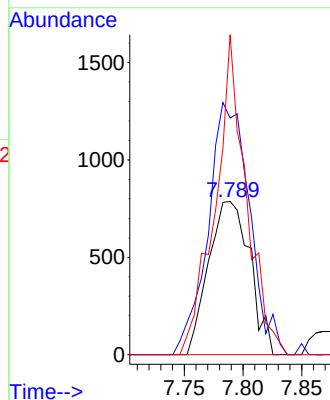
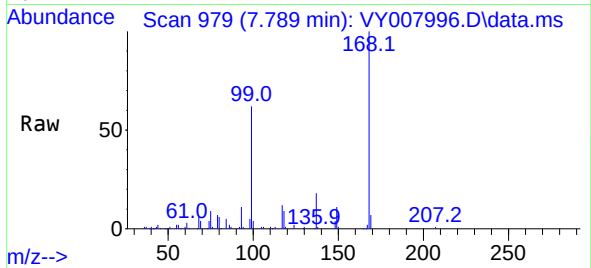




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

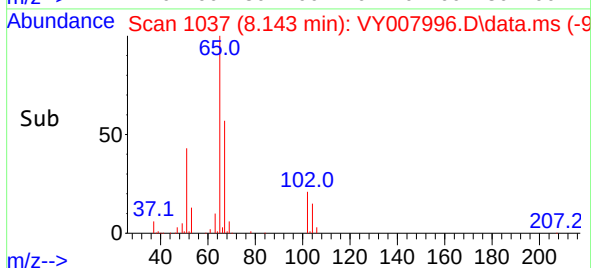
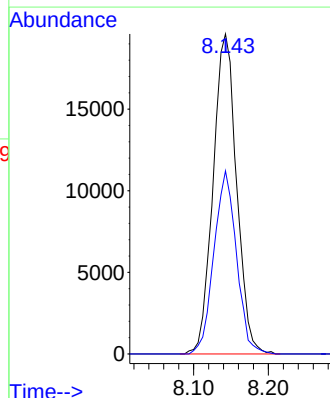
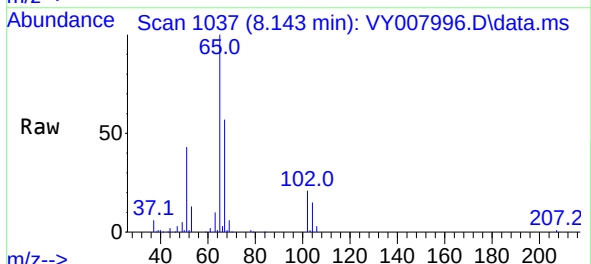
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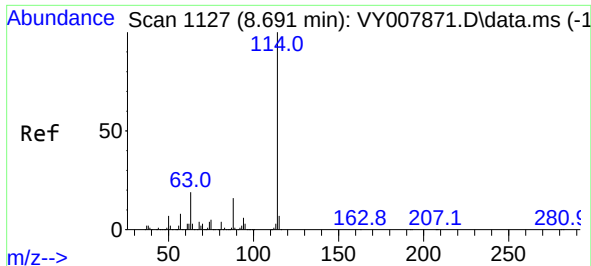
Tgt Ion: 56 Resp: 1931
Ion Ratio Lower Upper
56 100
69 147.5 26.7 40.1#
84 208.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.904 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 65 Resp: 42797
Ion Ratio Lower Upper
65 100
67 55.0 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: VY007996.D

Acq: 22 Mar 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

G-6-7-14-15

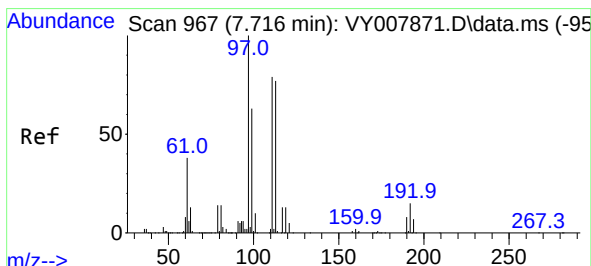
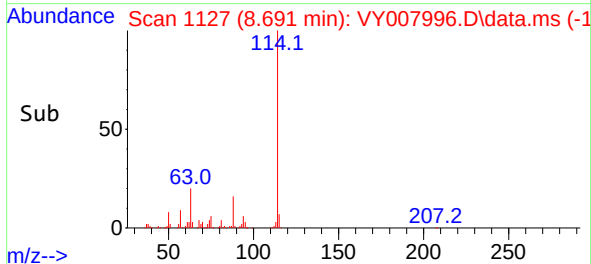
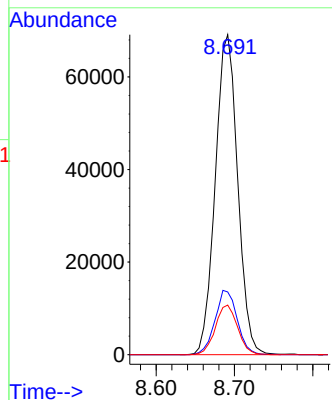
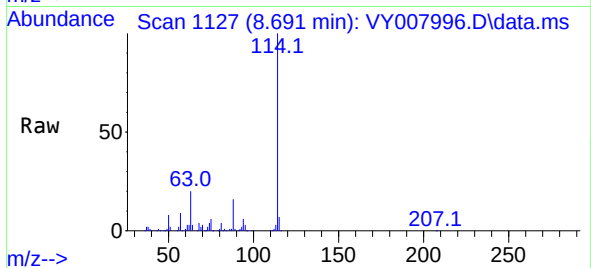
Tgt Ion:114 Resp: 137473

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.066 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007996.D

Acq: 22 Mar 2022 13:34

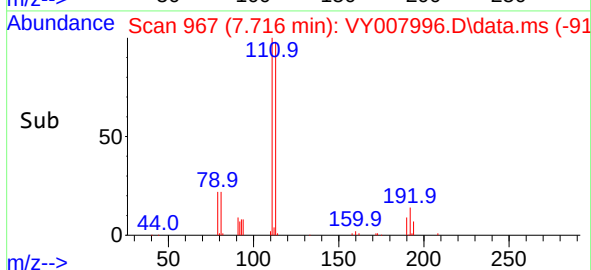
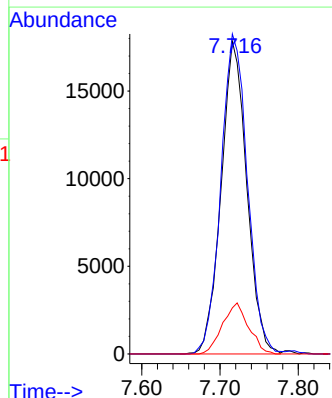
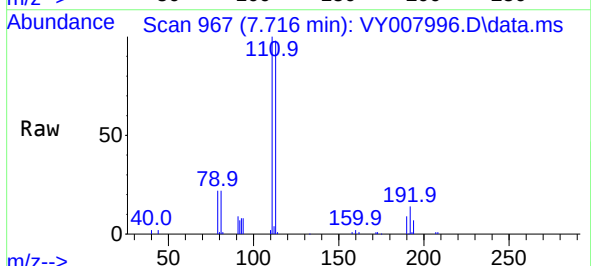
Tgt Ion:113 Resp: 40613

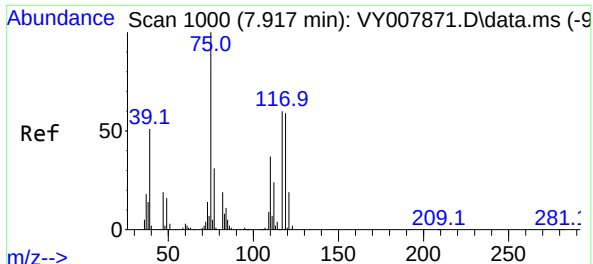
Ion Ratio Lower Upper

113 100

111 105.7 82.6 124.0

192 16.6 17.6 26.4#

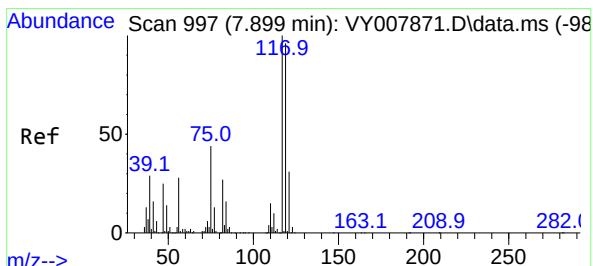
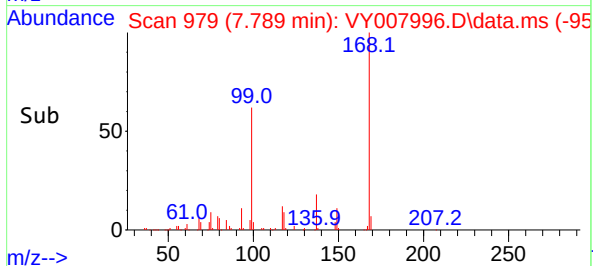
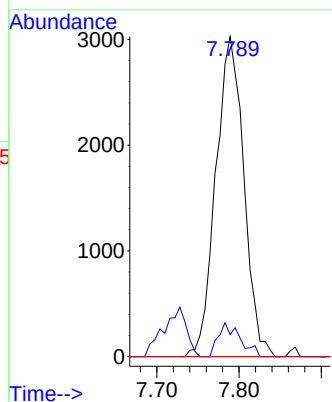
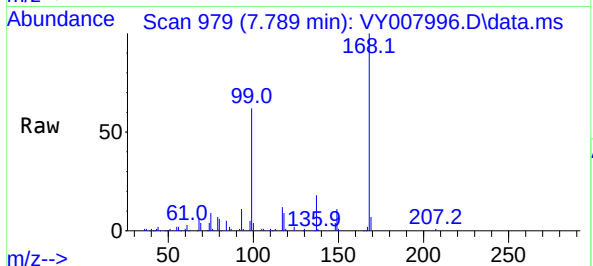




#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

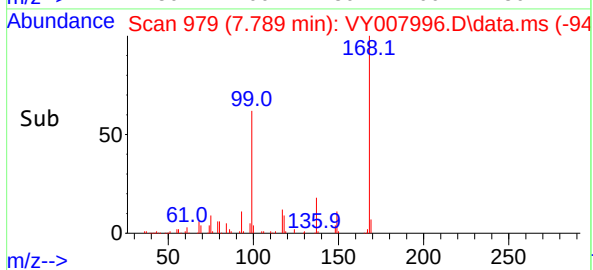
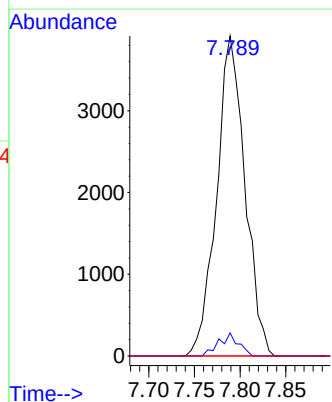
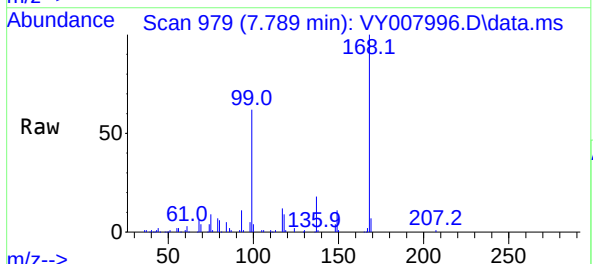
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

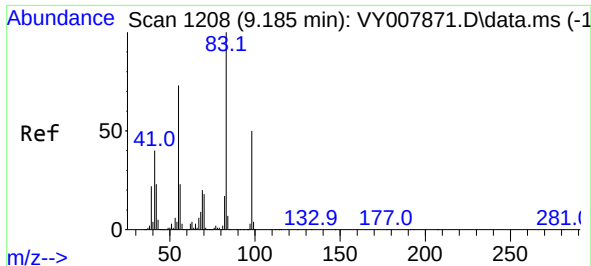
Tgt Ion: 75 Resp: 7174
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.520 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 117 Resp: 8446
Ion Ratio Lower Upper
117 100
119 7.2 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.185 min Scan# 1208

Delta R.T. -0.000 min

Lab File: VY007996.D

Acq: 22 Mar 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

G-6-7-14-15

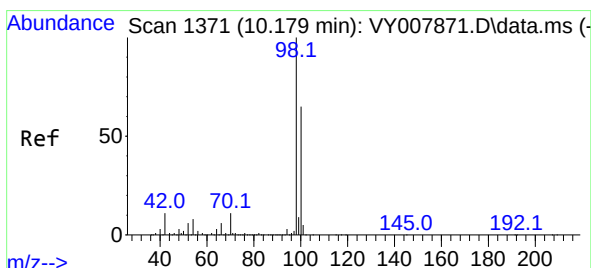
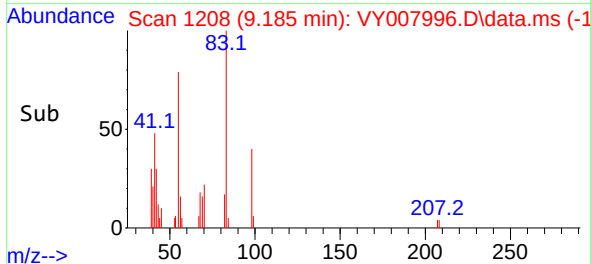
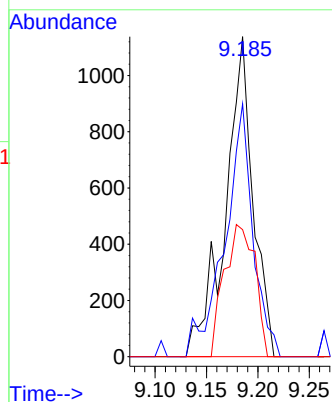
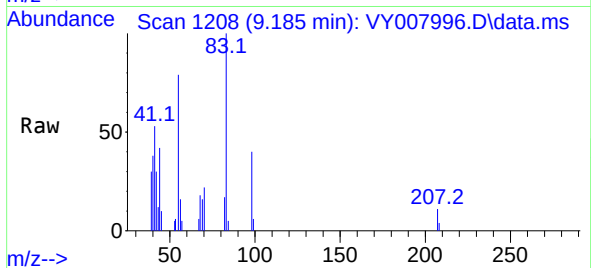
Tgt Ion: 83 Resp: 2135

Ion Ratio Lower Upper

83 100

55 79.0 66.5 99.7

98 39.7 37.9 56.9



#50

Toluene-d8

Concen: 57.589 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007996.D

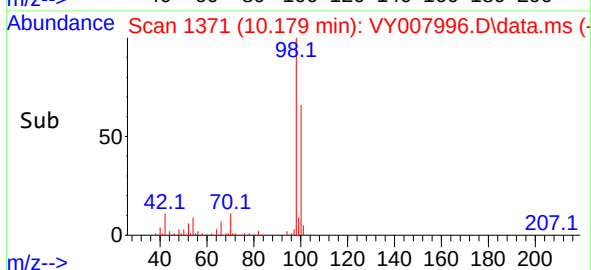
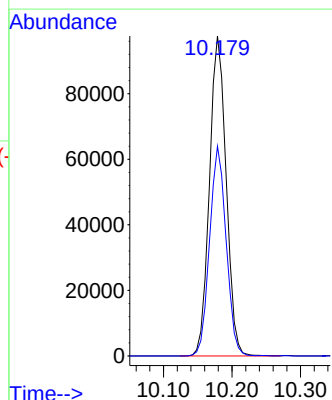
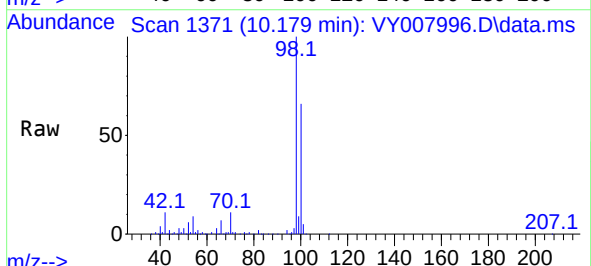
Acq: 22 Mar 2022 13:34

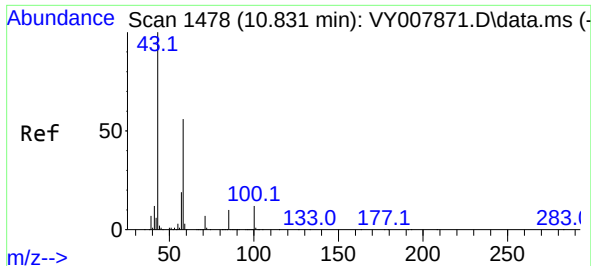
Tgt Ion: 98 Resp: 165279

Ion Ratio Lower Upper

98 100

100 65.0 50.2 75.2

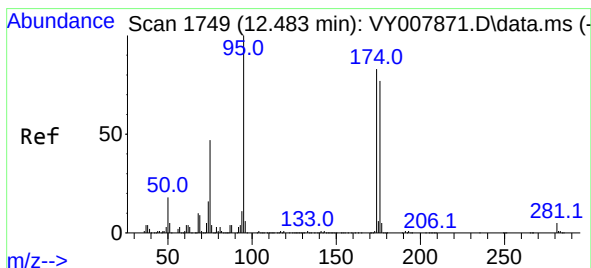
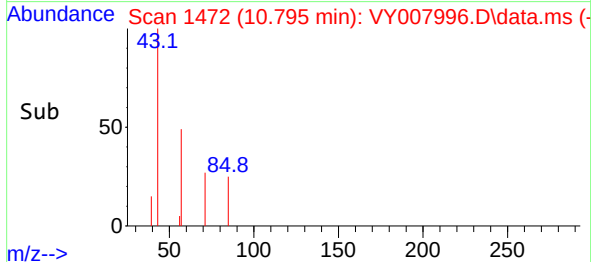
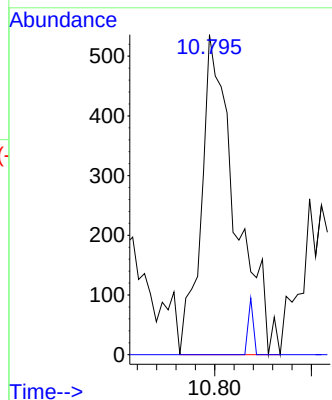
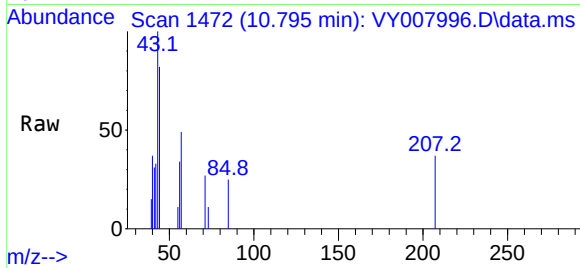




#59
2-Hexanone
Concen: 2.074 ug/l
RT: 10.795 min Scan# 1478
Delta R.T. -0.037 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

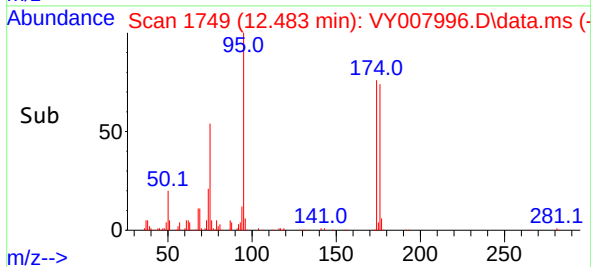
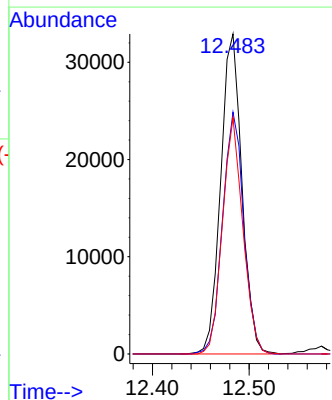
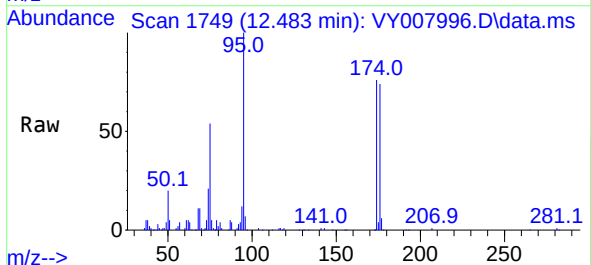
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

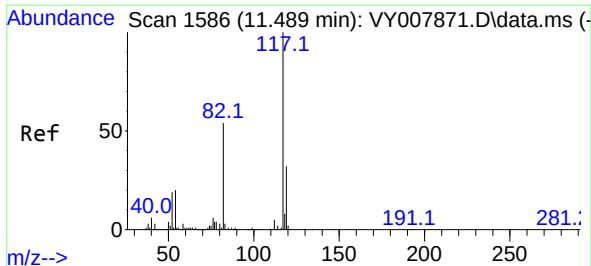
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 36.091 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 95 Resp: 50009
Ion Ratio Lower Upper
95 100
174 75.4 0.0 177.0
176 71.1 0.0 175.8

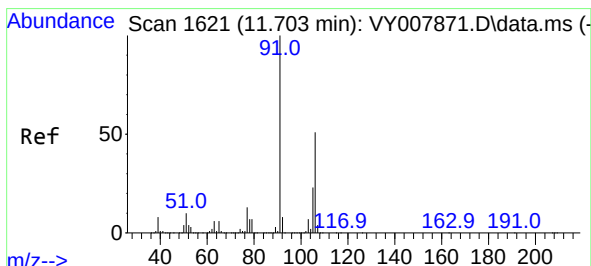
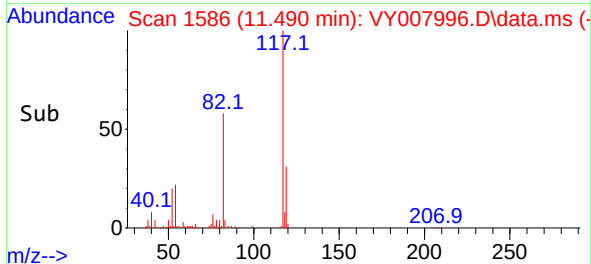
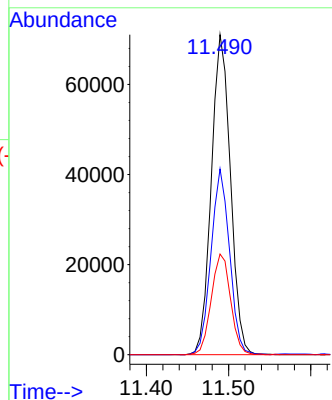
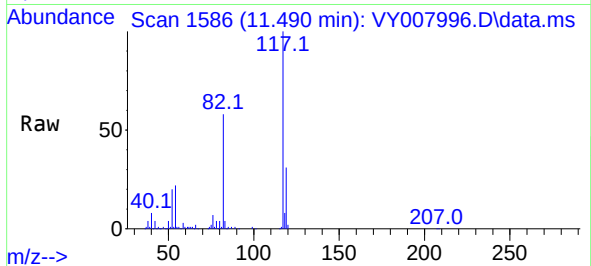




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

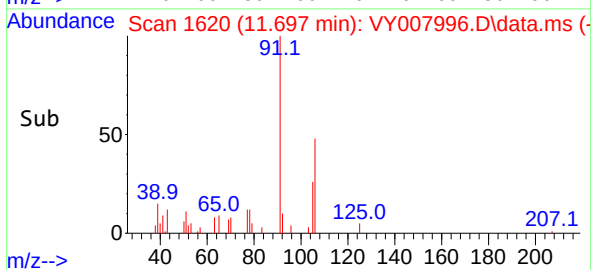
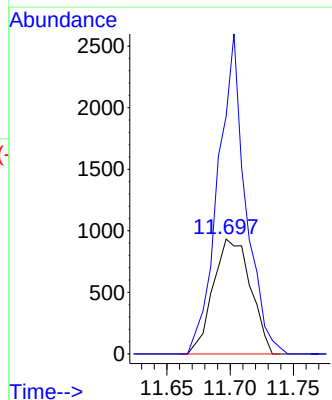
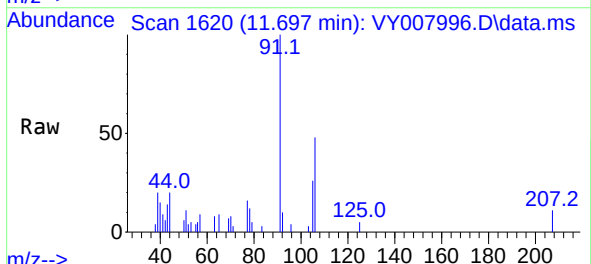
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

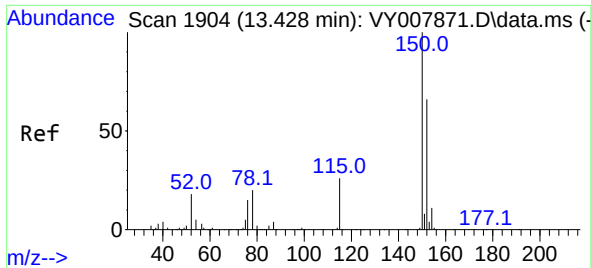
Tgt Ion:117 Resp: 114859
Ion Ratio Lower Upper
117 100
82 58.0 43.0 64.4
119 31.4 25.4 38.0



#68
m/p-Xylenes
Concen: 1.004 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion:106 Resp: 1920
Ion Ratio Lower Upper
106 100
91 206.9 166.6 249.8

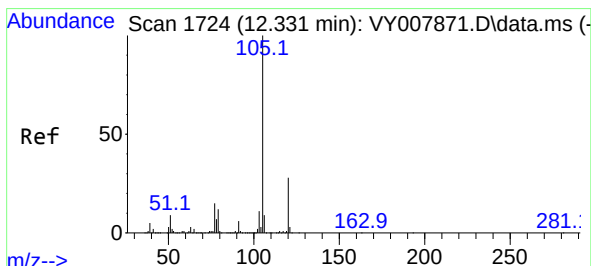
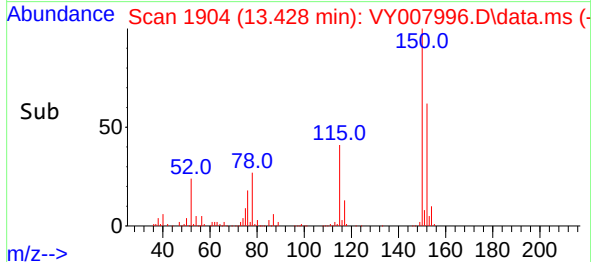
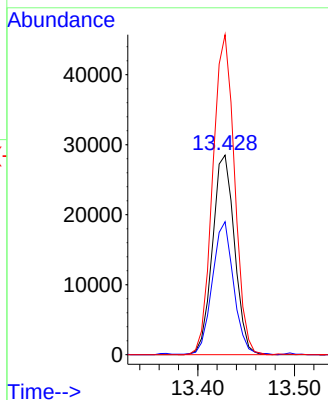
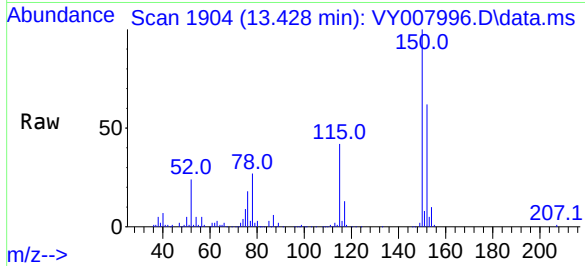




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

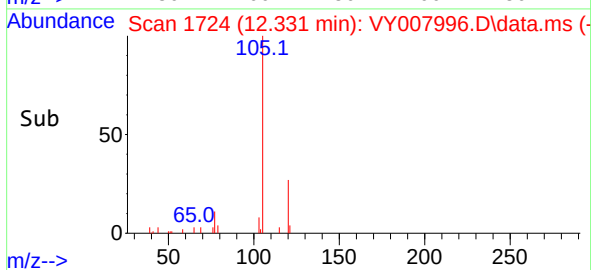
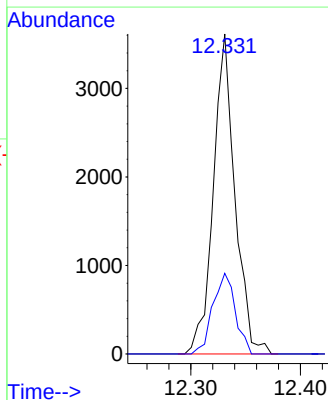
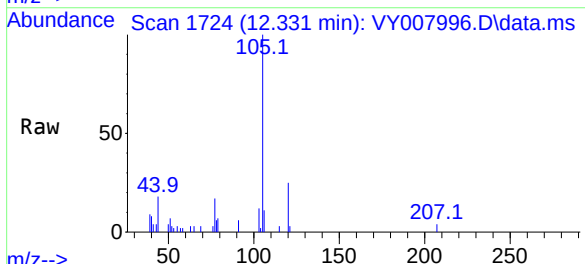
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

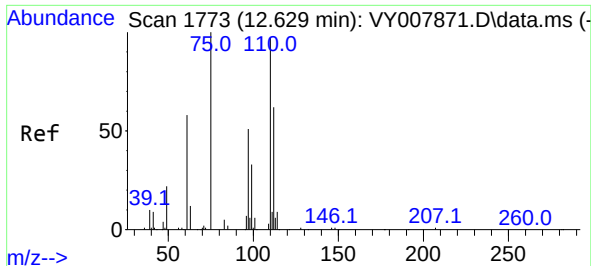
Tgt Ion:152 Resp: 45067
Ion Ratio Lower Upper
152 100
115 64.8 28.2 84.7
150 158.8 0.0 347.6



#73
Isopropylbenzene
Concen: 1.252 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion:105 Resp: 4966
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.2

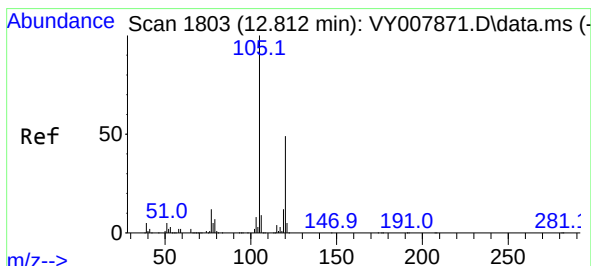
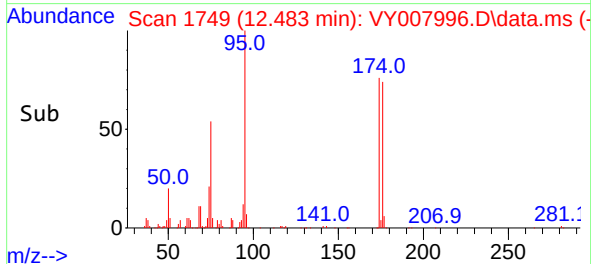
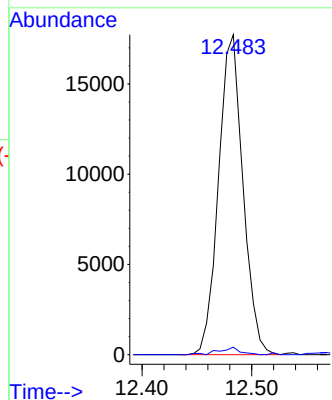
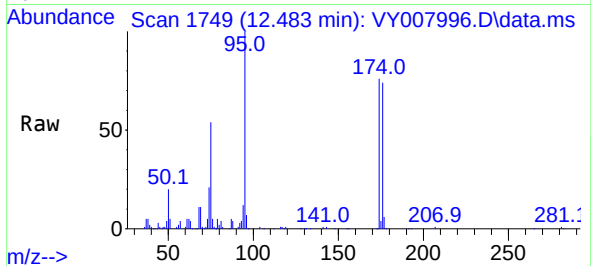




#76
1,2,3-Trichloropropane
Concen: 42.702 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

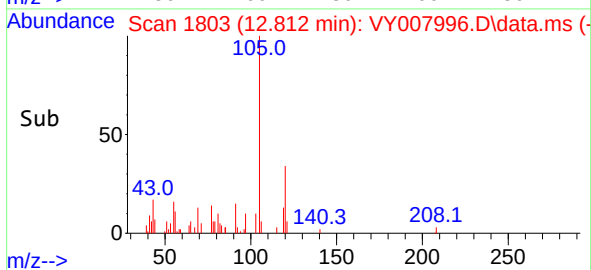
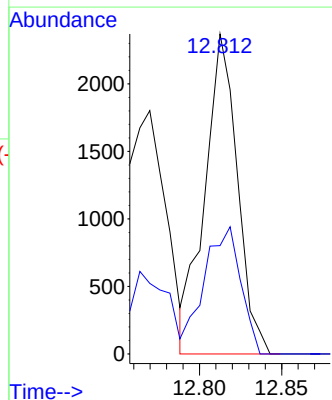
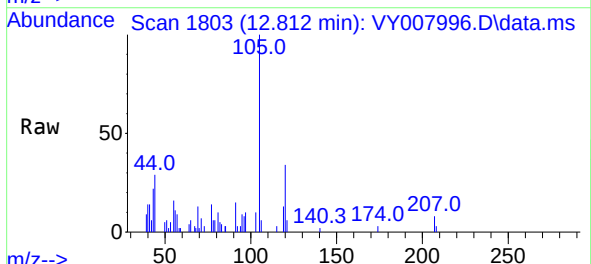
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

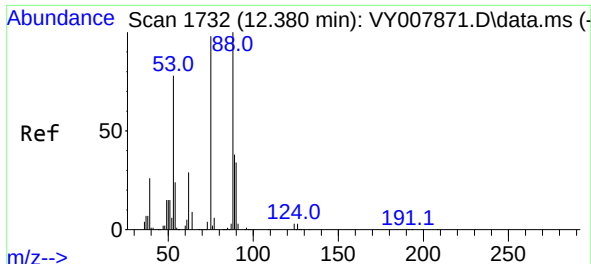
Tgt Ion: 75 Resp: 27430
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.002 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion:105 Resp: 3270
Ion Ratio Lower Upper
105 100
120 44.5 24.4 73.4

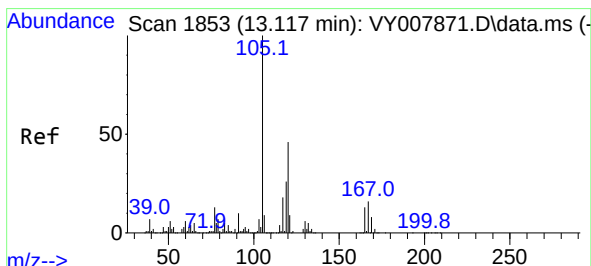
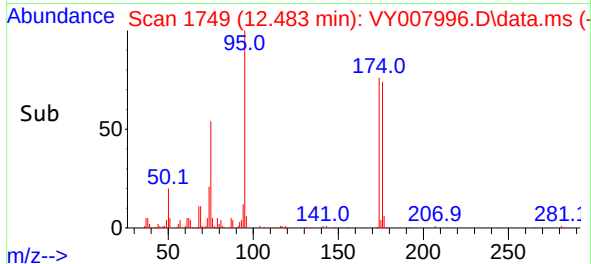
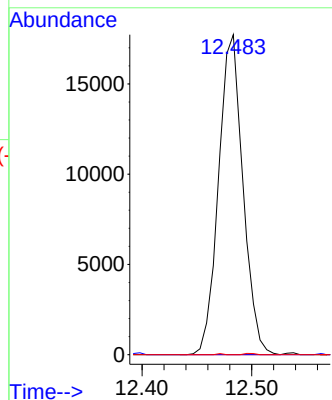
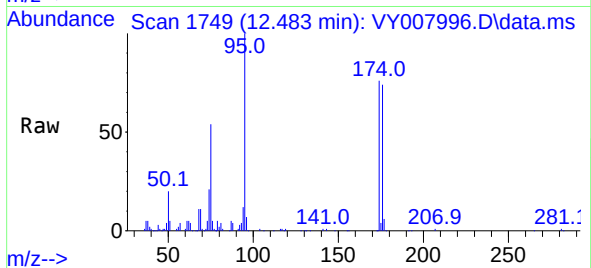




#81
trans-1,4-Dichloro-2-butene
Concen: 89.692 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

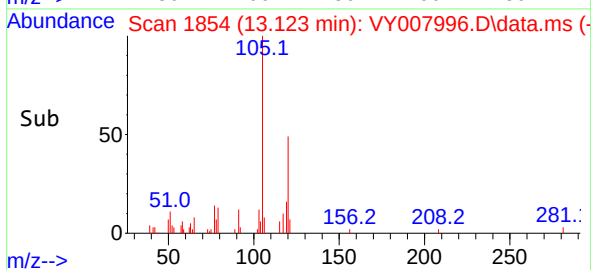
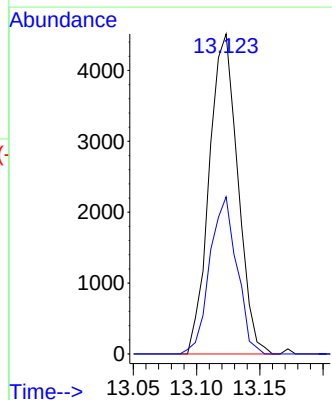
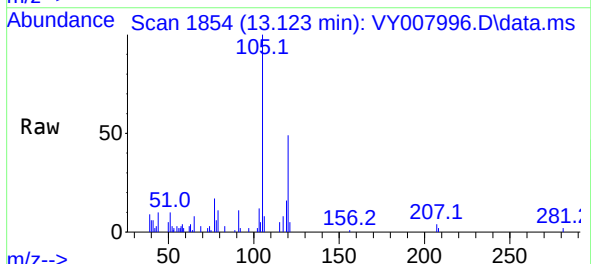
Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

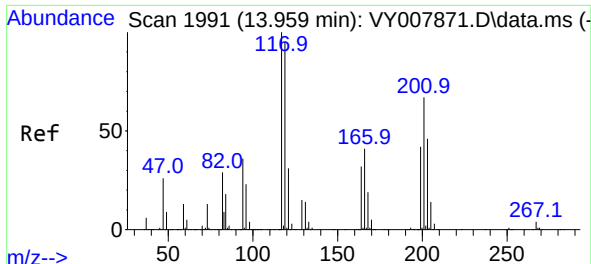
Tgt Ion: 75 Resp: 27430
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.214 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion: 105 Resp: 7081
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.9

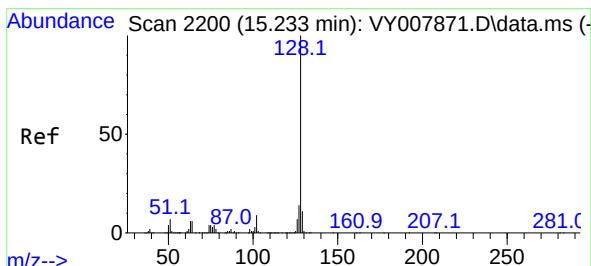
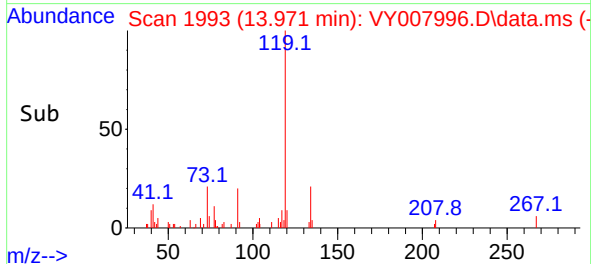
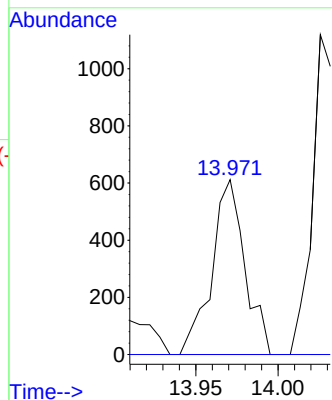
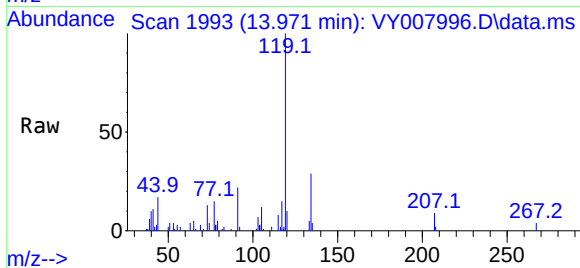




#90
Hexachloroethane
Concen: 1.209 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Instrument :
MSVOA_Y
ClientSampleId :
G-6-7-14-15

Tgt Ion:117 Resp: 857
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 311.670 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY007996.D
Acq: 22 Mar 2022 13:34

Tgt Ion:128 Resp: 699996
Ion Ratio Lower Upper
128 100
127 12.7 11.0 16.4
129 10.6 8.4 12.6

