

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012191.D
 Acq On : 13 Jan 2023 15:34
 Operator : KP/MD
 Sample : N6245-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-COMP

Quant Time: Jan 16 08:18:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

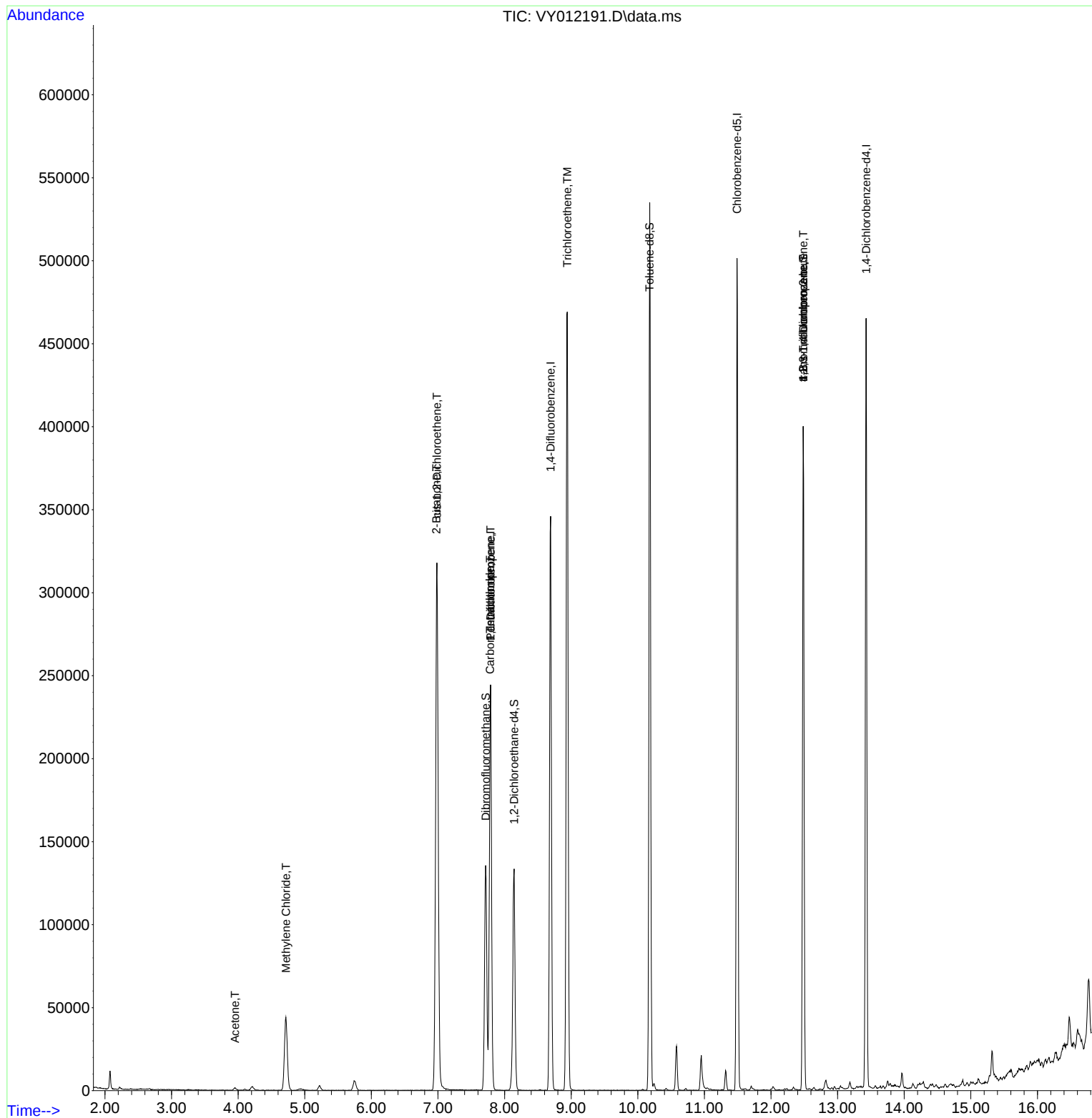
Internal Standards						
1) Pentafluorobenzene	7.789	168	190782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	281690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107114	49.966	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.940%		
35) Dibromofluoromethane	7.716	113	93666	46.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.240%		
50) Toluene-d8	10.179	98	359523	45.333	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.660%		
62) 4-Bromofluorobenzene	12.483	95	114131	41.171	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	43	Below Cal	#	41
3) Chloromethane	2.119	50	256	Below Cal	#	41
5) Bromomethane	2.662	94	323	Below Cal		91
11) Tert butyl alcohol	4.930	59	740	Below Cal	#	74
16) Acetone	3.954	43	2648	5.251	ug/l	96
17) Carbon Disulfide	4.192	76	181	Below Cal	#	75
20) Methylene Chloride	4.716	84	35117	11.971	ug/l	90
25) 2-Butanone	6.978	43	1819	2.734	ug/l #	1
27) cis-1,2-Dichloroethene	6.984	96	200346	85.017	ug/l	85
31) Cyclohexane	7.783	56	3356	Below Cal	#	3
36) 1,1-Dichloropropene	7.789	75	13248	4.346	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18668	4.825	ug/l #	17
44) Trichloroethene	8.941	130	172934	66.674	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	59790	42.841	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59790	95.143	ug/l #	13

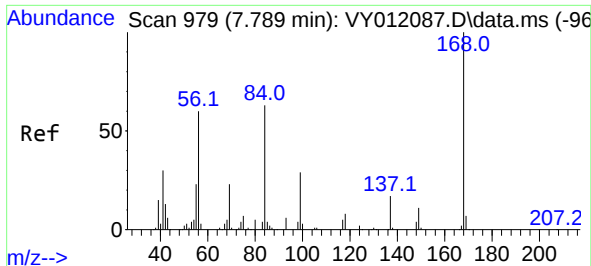
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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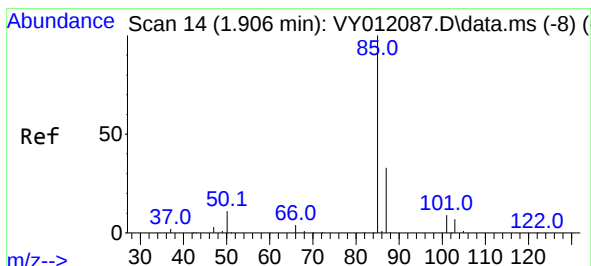
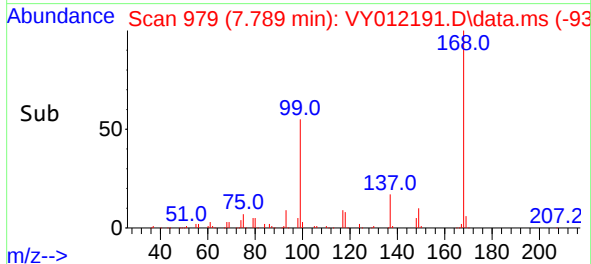
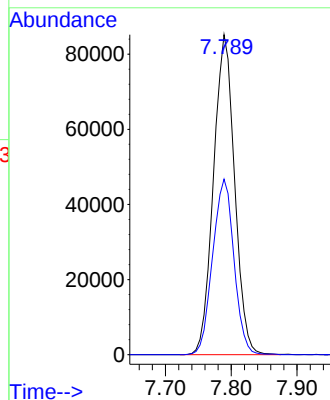
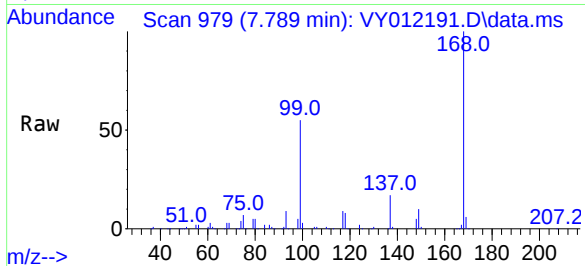




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

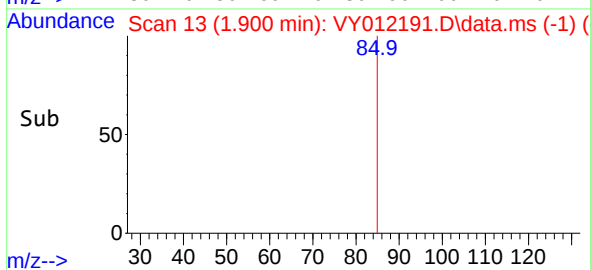
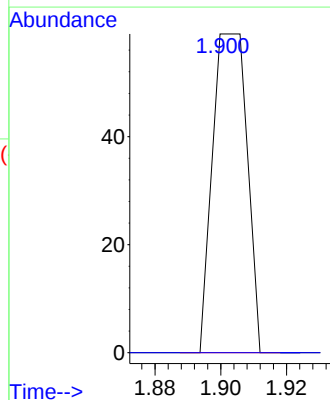
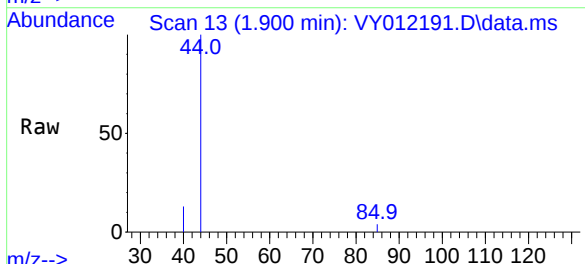
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

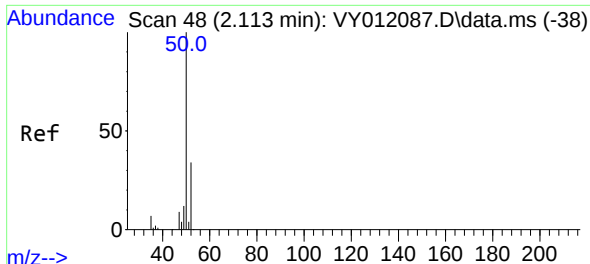
Tgt Ion:168 Resp: 190782
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 85 Resp: 43
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

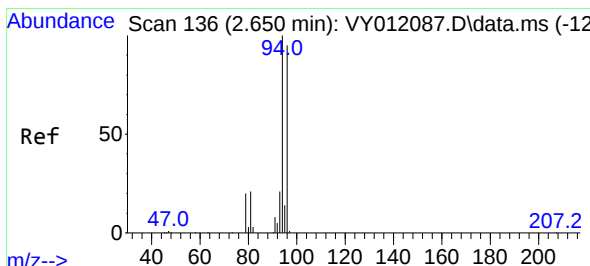
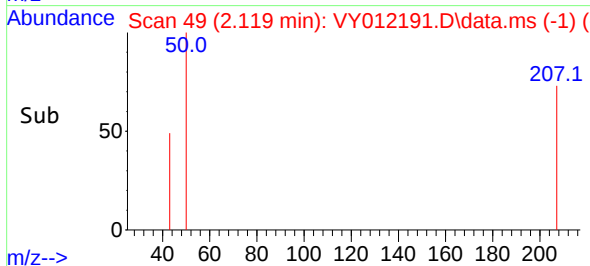
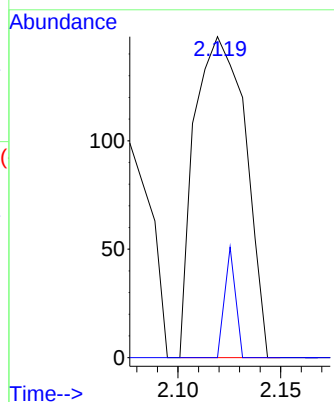
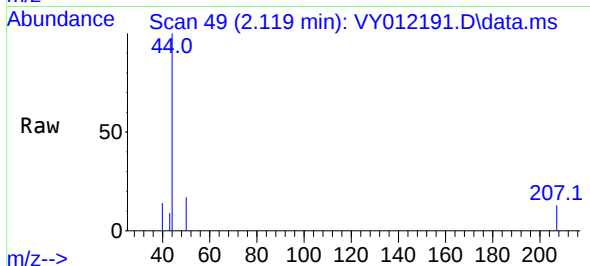




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

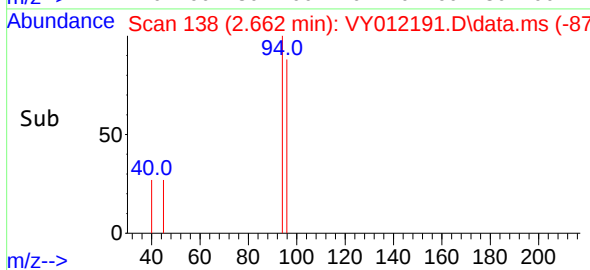
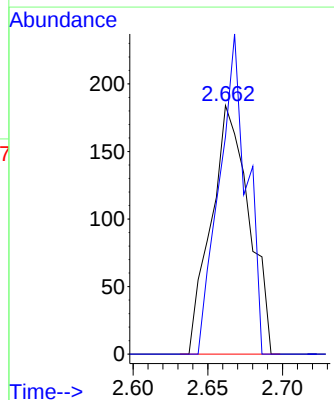
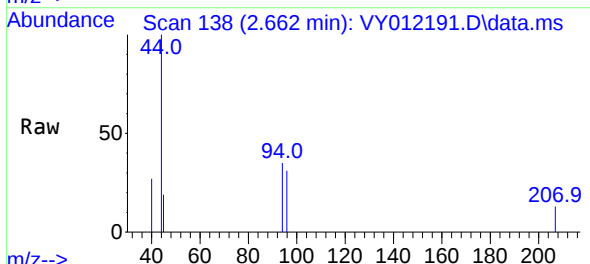
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

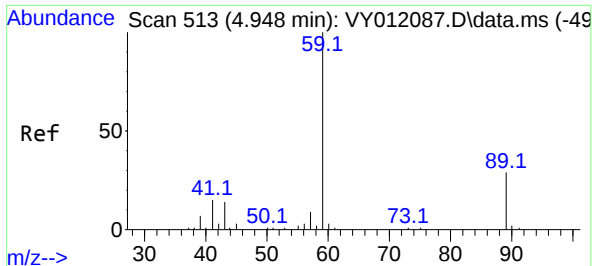
Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 87.5 77.4 116.2

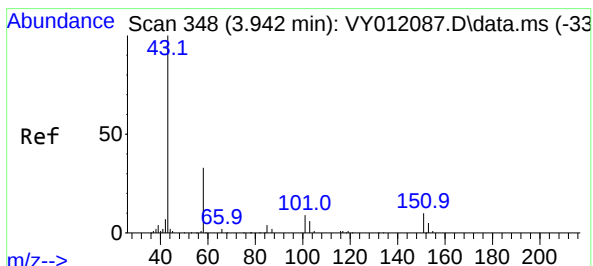
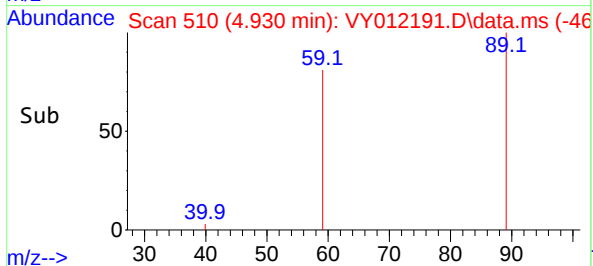
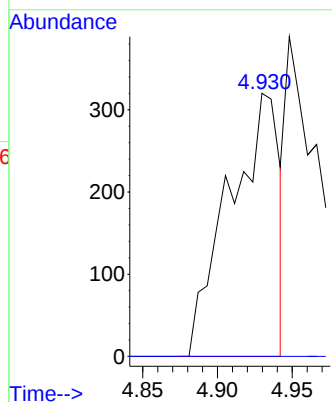
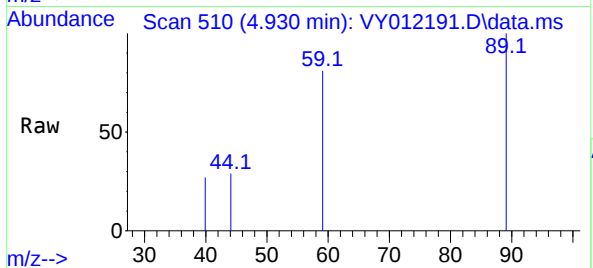




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

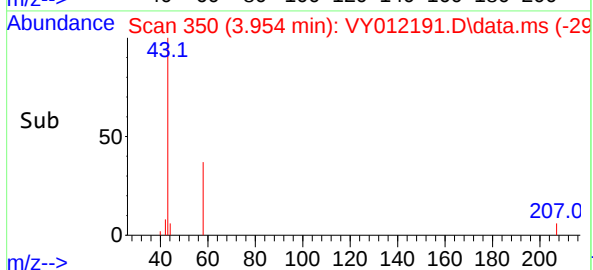
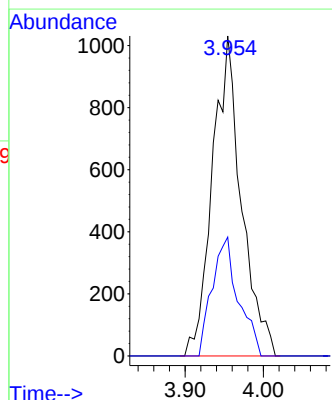
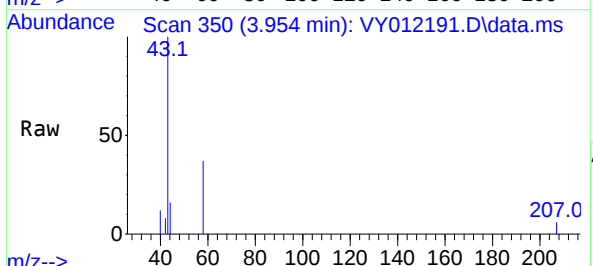
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

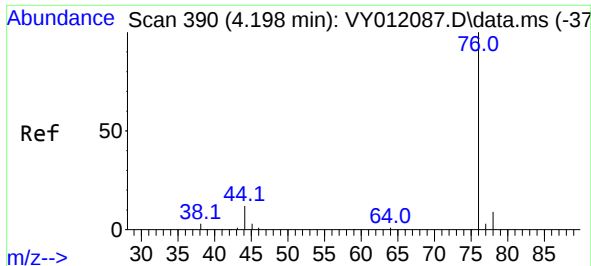
Tgt Ion: 59 Resp: 740
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.251 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 43 Resp: 2648
Ion Ratio Lower Upper
43 100
58 37.1 27.9 41.9

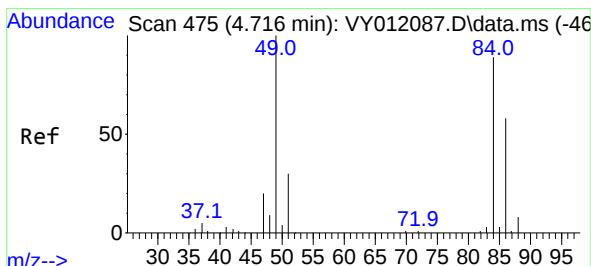
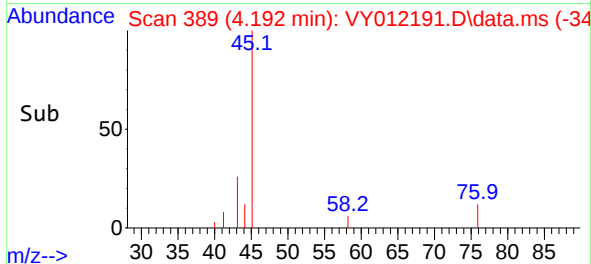
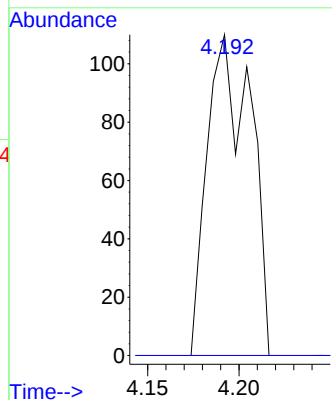
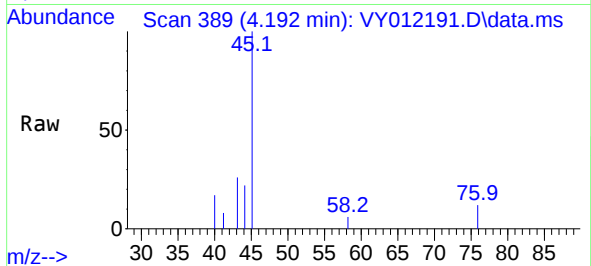




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

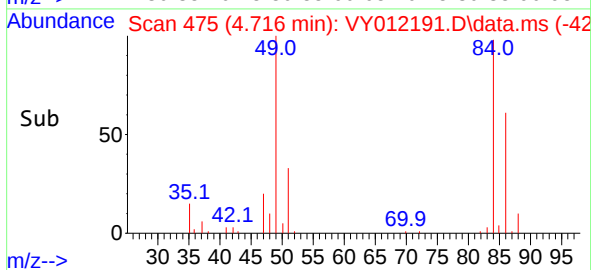
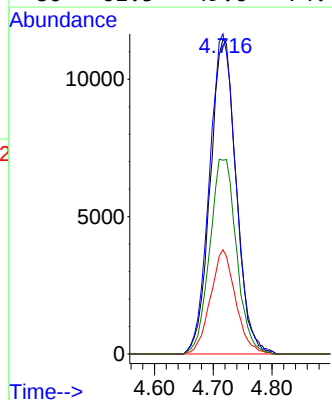
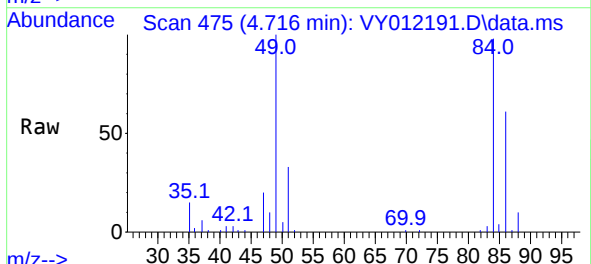
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

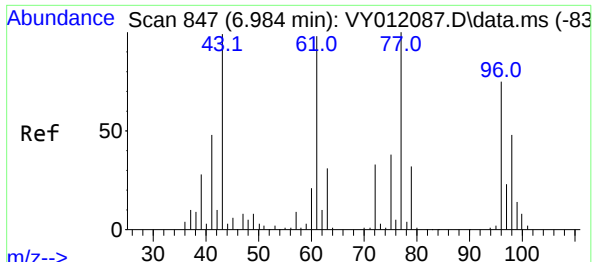
Tgt Ion: 76 Resp: 181
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 11.971 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 84 Resp: 35117
Ion Ratio Lower Upper
84 100
49 101.6 95.4 143.2
51 33.1 29.9 44.9
86 61.5 49.6 74.4





#25

2-Butanone

Concen: 2.734 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012191.D

Acq: 13 Jan 2023 15:34

Instrument :

MSVOA_Y

ClientSampleId :

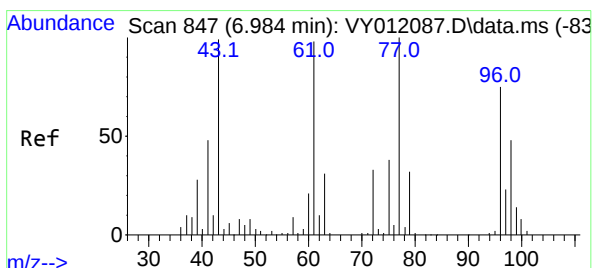
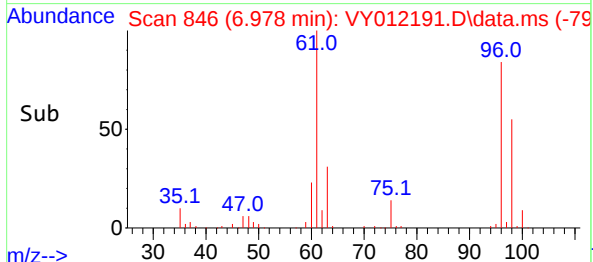
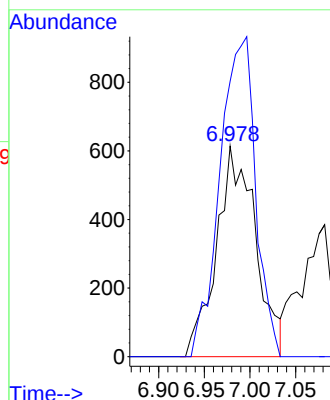
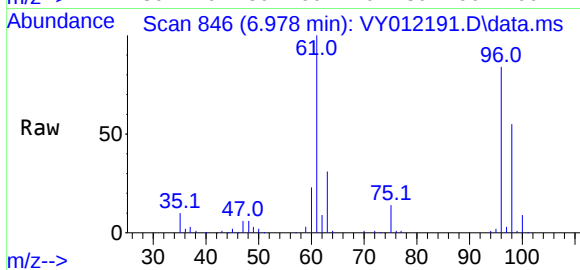
WASTE-COMP

Tgt Ion: 43 Resp: 1819

Ion Ratio Lower Upper

43 100

72 130.8 22.6 34.0#



#27

cis-1,2-Dichloroethene

Concen: 85.017 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012191.D

Acq: 13 Jan 2023 15:34

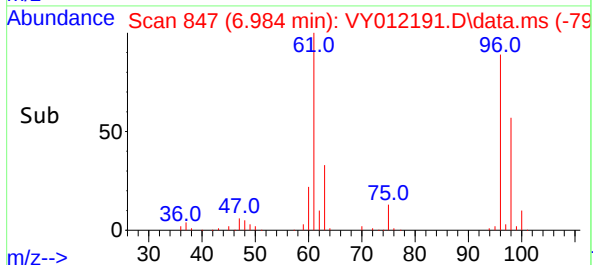
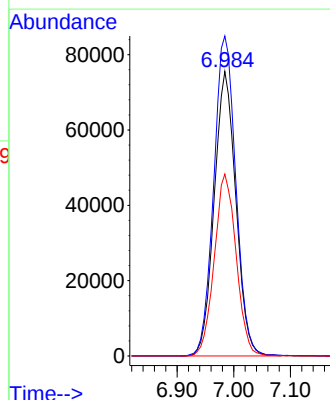
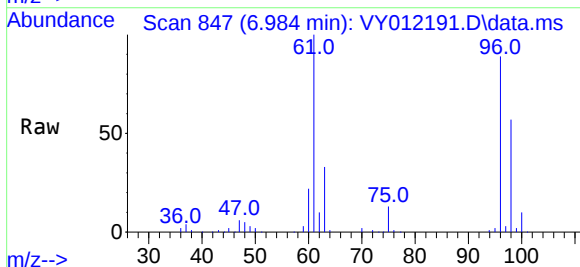
Tgt Ion: 96 Resp: 200346

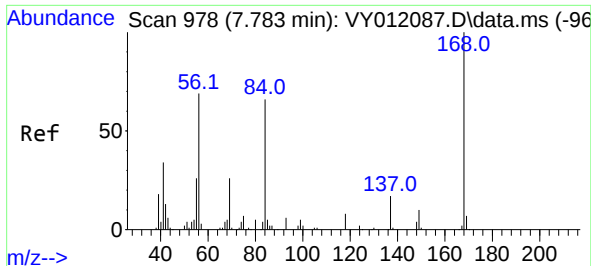
Ion Ratio Lower Upper

96 100

61 114.7 0.0 283.4

98 64.4 0.0 127.6

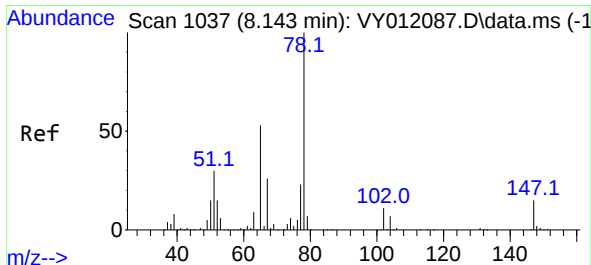
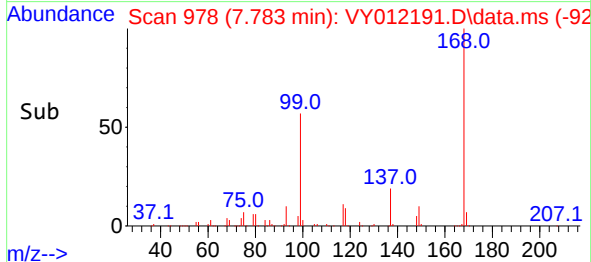
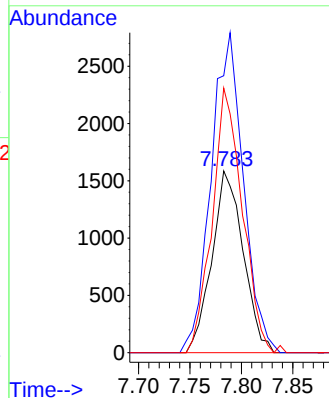
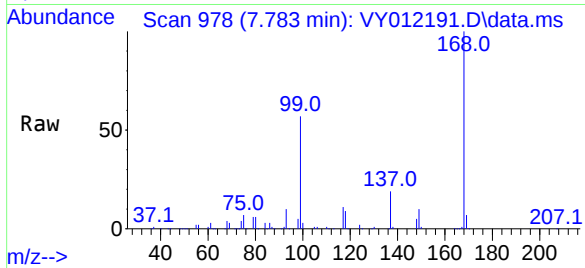




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

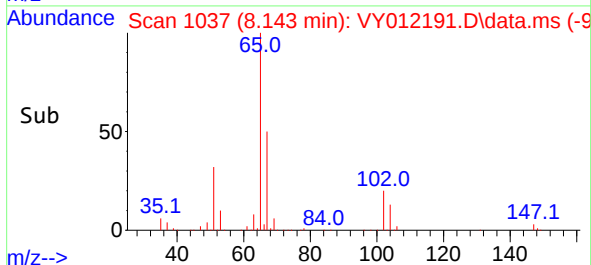
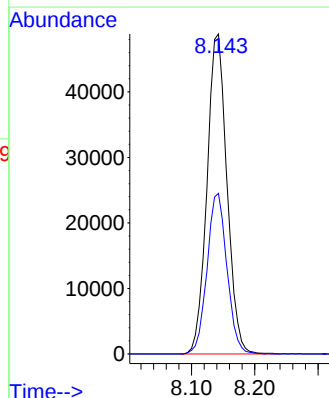
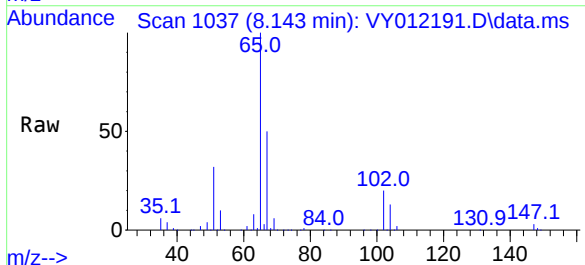
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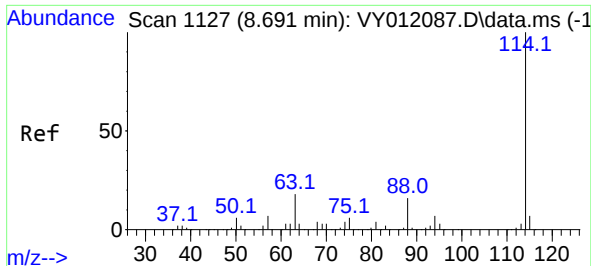
Tgt Ion: 56 Resp: 3356
Ion Ratio Lower Upper
56 100
69 152.3 29.2 43.8#
84 145.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 49.966 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 65 Resp: 107114
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012191.D

Acq: 13 Jan 2023 15:34

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-COMP

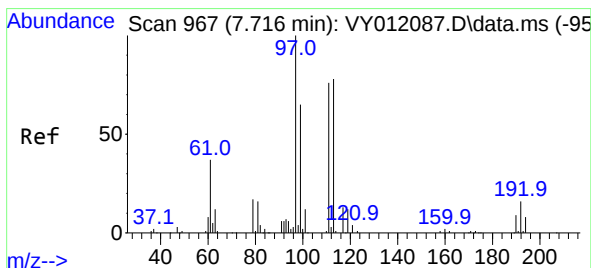
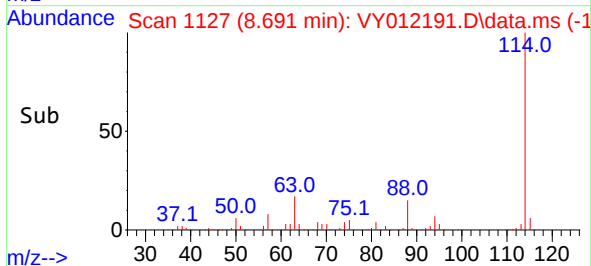
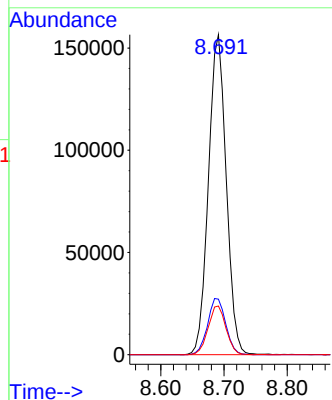
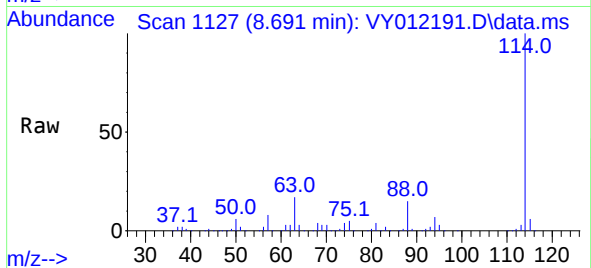
Tgt Ion:114 Resp: 305694

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.617 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012191.D

Acq: 13 Jan 2023 15:34

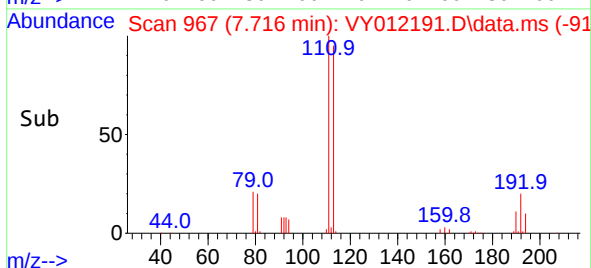
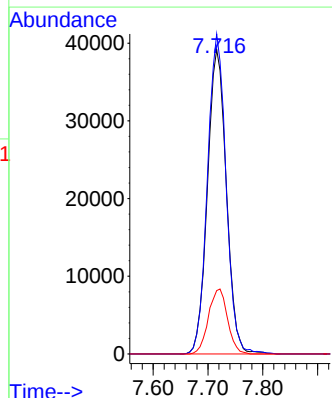
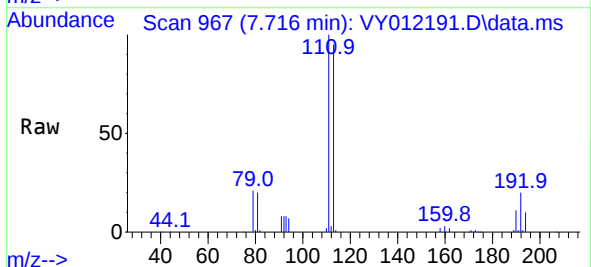
Tgt Ion:113 Resp: 93666

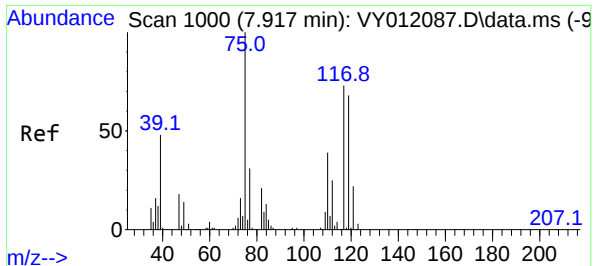
Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

192 21.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.346 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012191.D

Acq: 13 Jan 2023 15:34

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-COMP

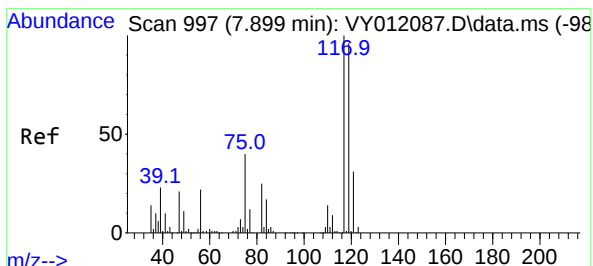
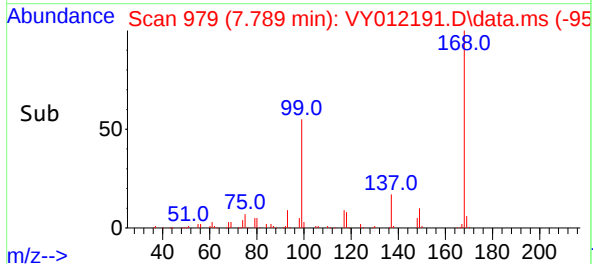
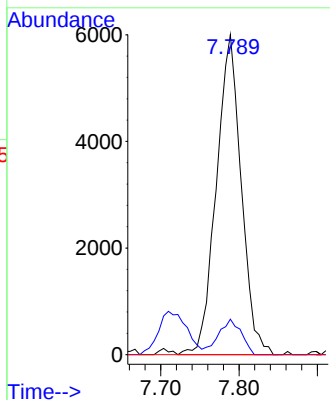
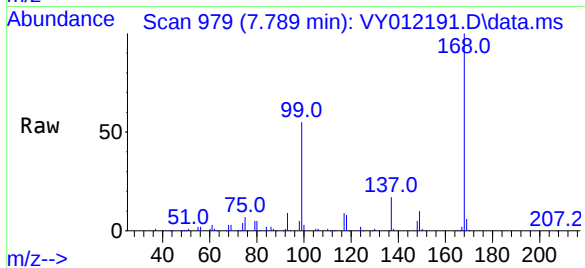
Tgt Ion: 75 Resp: 13248

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.825 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012191.D

Acq: 13 Jan 2023 15:34

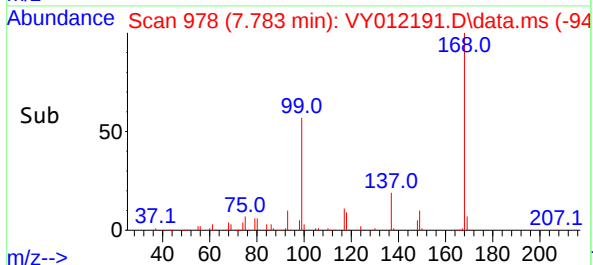
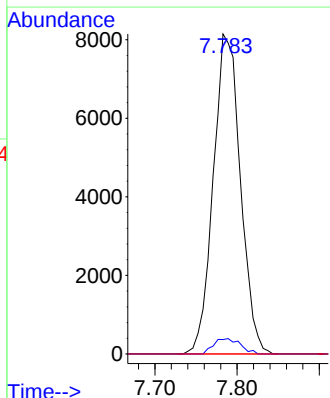
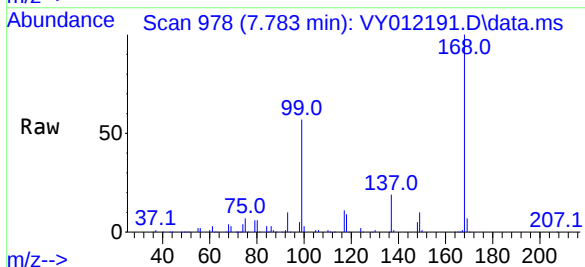
Tgt Ion: 117 Resp: 18668

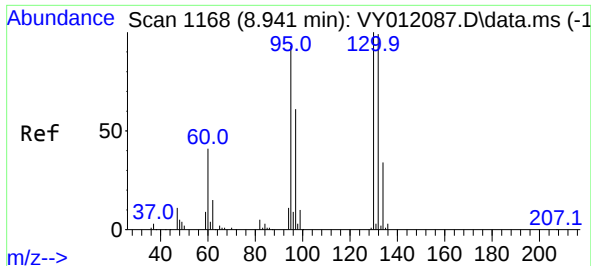
Ion Ratio Lower Upper

117 100

119 4.5 73.8 110.8#

121 0.0 25.2 37.8#

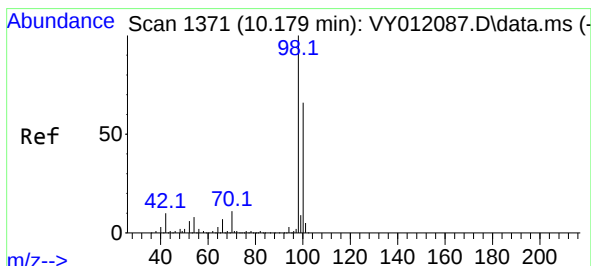
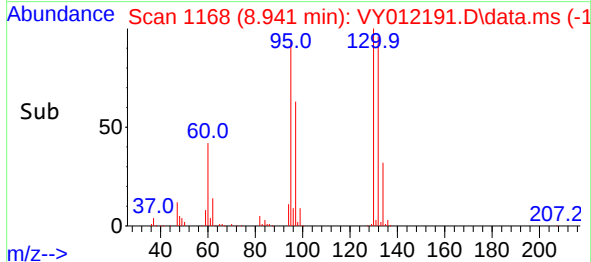
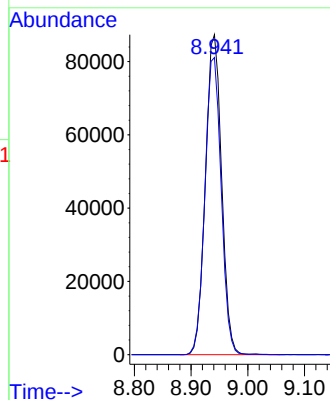
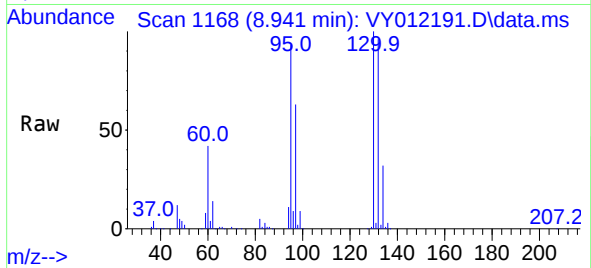




#44
Trichloroethene
Concen: 66.674 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

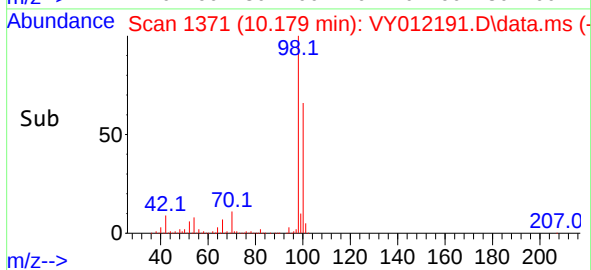
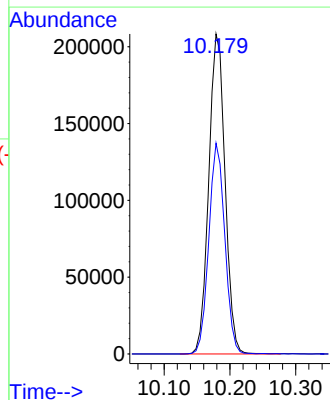
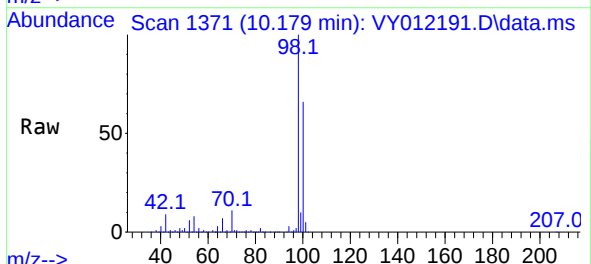
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

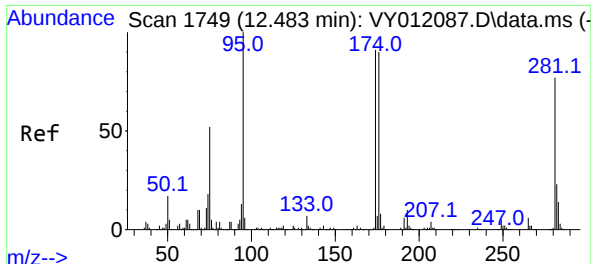
Tgt Ion:130 Resp: 172934
Ion Ratio Lower Upper
130 100
95 92.8 0.0 190.6



#50
Toluene-d8
Concen: 45.333 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 98 Resp: 359523
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

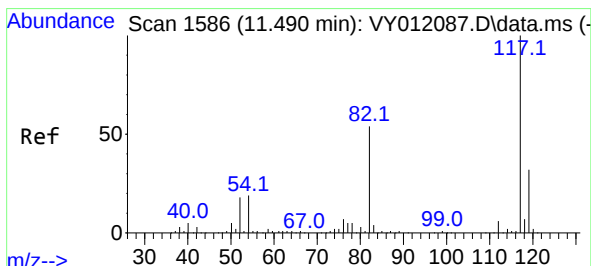
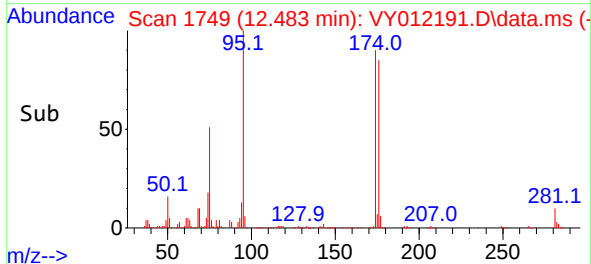
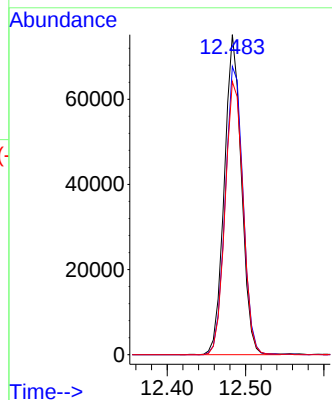
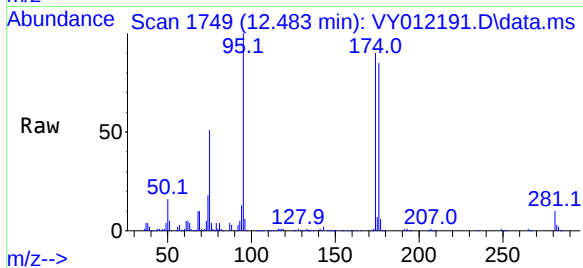




#62
4-Bromofluorobenzene
Concen: 41.171 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

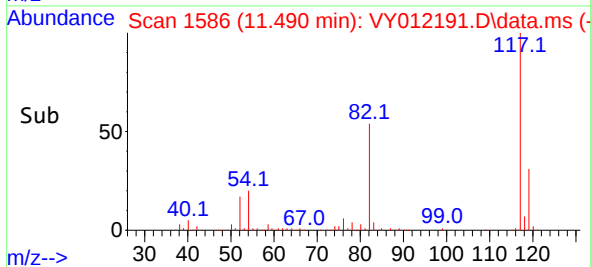
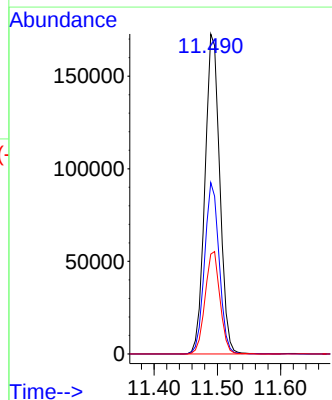
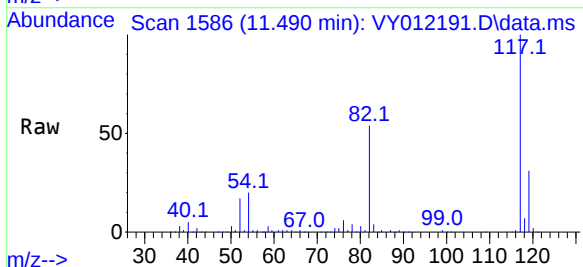
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

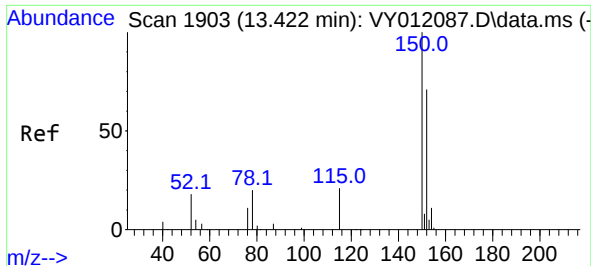
Tgt Ion: 95 Resp: 114131
Ion Ratio Lower Upper
95 100
174 93.5 0.0 172.0
176 89.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 117 Resp: 281690
Ion Ratio Lower Upper
117 100
82 53.6 44.8 67.2
119 31.2 25.4 38.2

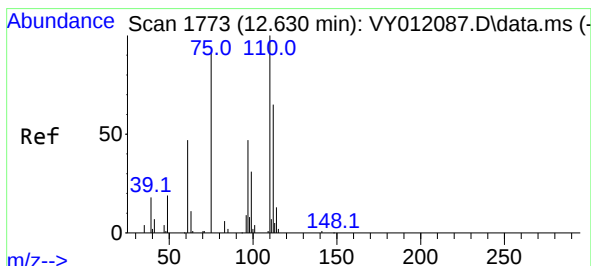
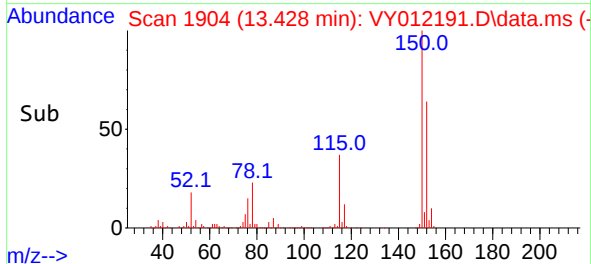
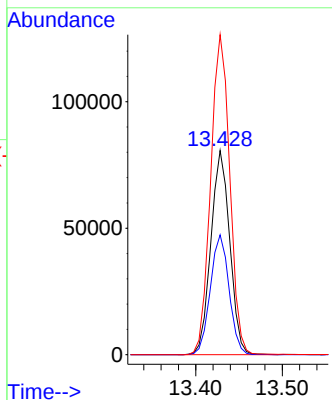
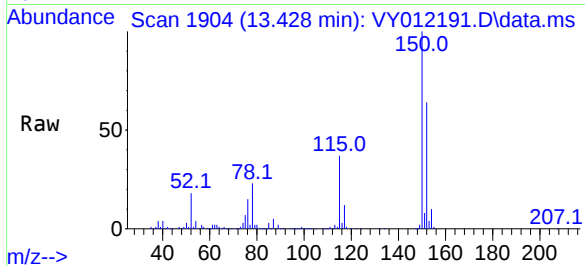




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

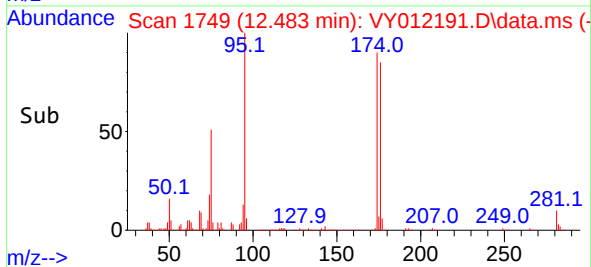
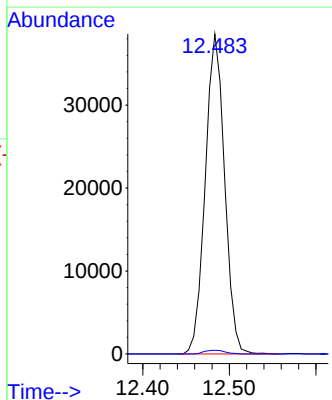
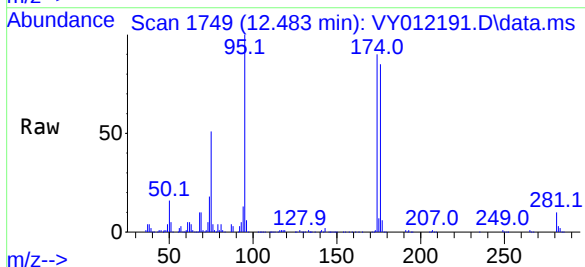
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

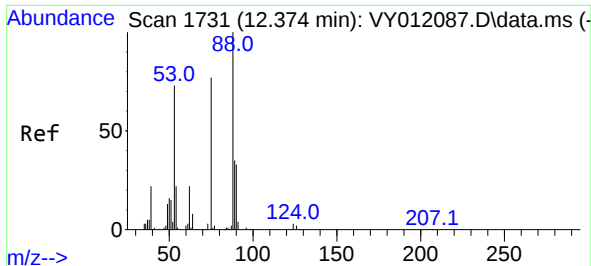
Tgt Ion:152 Resp: 122230
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.3
150 158.8 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 42.841 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012191.D
Acq: 13 Jan 2023 15:34

Tgt Ion: 75 Resp: 59790
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.143 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012191.D
 Acq: 13 Jan 2023 15:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-COMP

Tgt Ion: 75 Resp: 59790
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

