

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012044.D
 Acq On : 03 Jan 2023 14:11
 Operator : KP/MD
 Sample : N6245-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-COMP

Quant Time: Jan 04 01:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

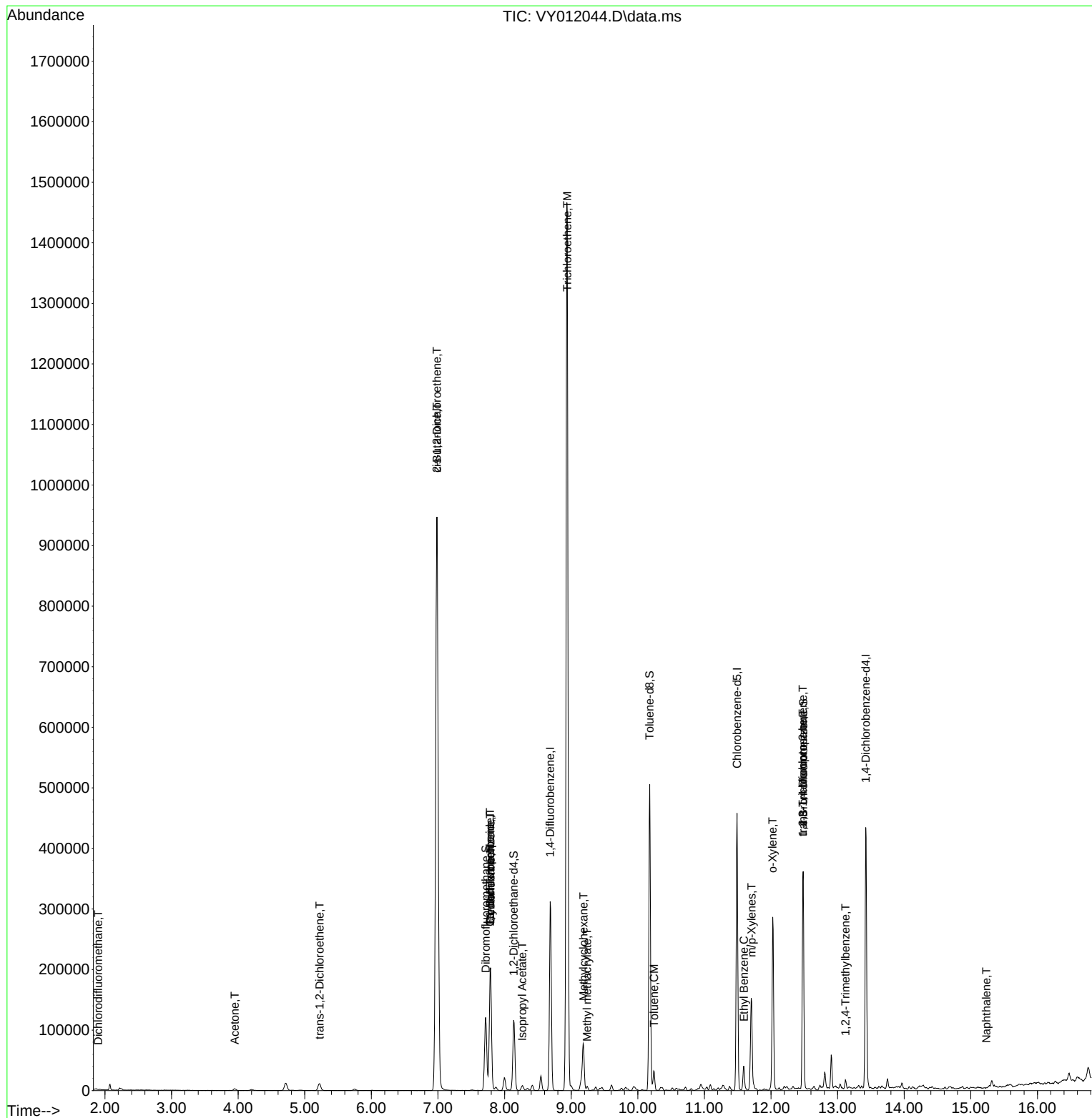
Internal Standards						
1) Pentafluorobenzene	7.789	168	156385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	253967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93570	59.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.780%	
35) Dibromofluoromethane	7.716	113	81925	50.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.400%	
50) Toluene-d8	10.179	98	325922	49.223	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.440%	
62) 4-Bromofluorobenzene	12.483	95	108213	48.594	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.180%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	19	2.482	ug/l #	41
11) Tert butyl alcohol	4.942	59	1208	Below Cal	#	74
16) Acetone	3.948	43	5260	15.839	ug/l	96
20) Methylene Chloride	4.710	84	9771	Below Cal	#	86
21) trans-1,2-Dichloroethene	5.222	96	7745	4.607	ug/l	90
25) 2-Butanone	6.984	43	1908	3.635	ug/l #	1
27) cis-1,2-Dichloroethene	6.984	96	605316	332.900	ug/l	85
31) Cyclohexane	7.789	56	4534	1.709	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	11514	4.398	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16020	5.299	ug/l #	18
39) Methylcyclohexane	9.185	83	34436	10.933	ug/l	97
43) Isopropyl Acetate	8.265	43	3467	1.616	ug/l #	51
44) Trichloroethene	8.941	130	513518	243.194	ug/l	99
48) Methyl methacrylate	9.240	41	1240	1.249	ug/l #	33
52) Toluene	10.246	92	13675	2.865	ug/l	99
67) Ethyl Benzene	11.593	91	26615	2.792	ug/l	97
68) m/p-Xylenes	11.709	106	44281	11.945	ug/l	100
69) o-Xylene	12.026	106	74947	21.729	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	58799	41.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58799	113.494	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	7960	1.117	ug/l	99
95) Naphthalene	15.233	128	749	2.947	ug/l #	69

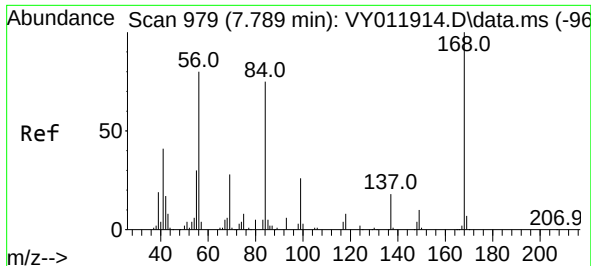
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
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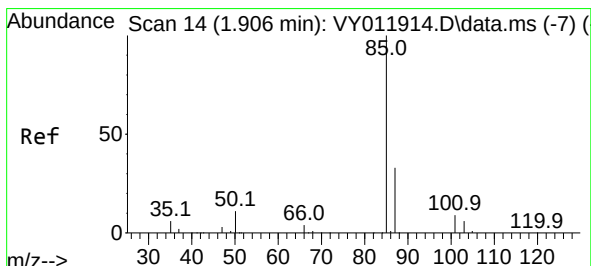
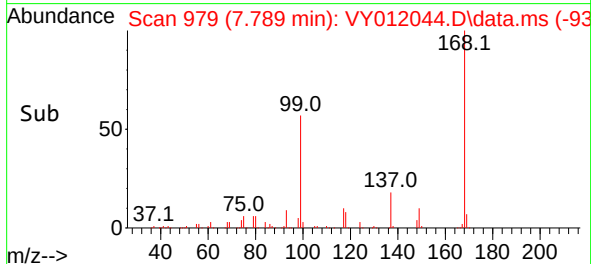
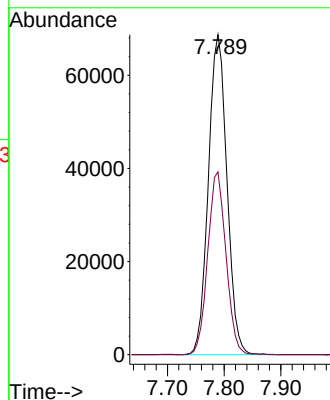
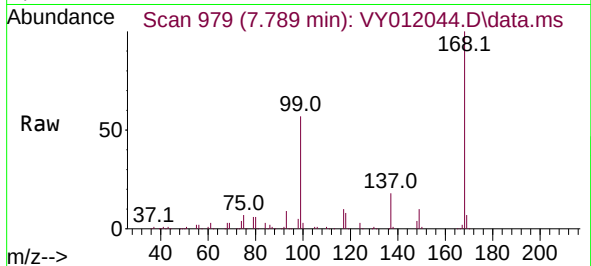




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

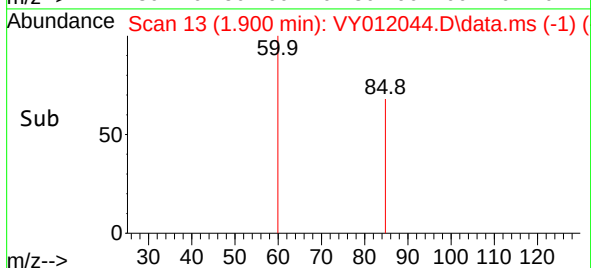
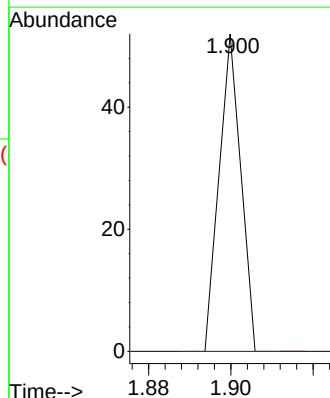
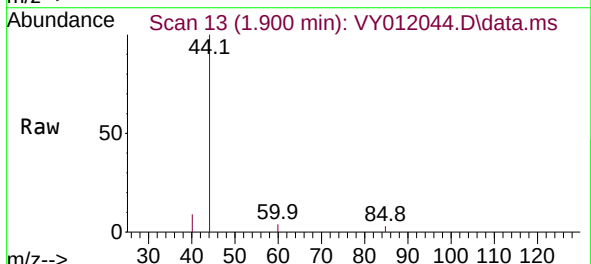
Instrument :
MSVOA_Y
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WASTE-COMP

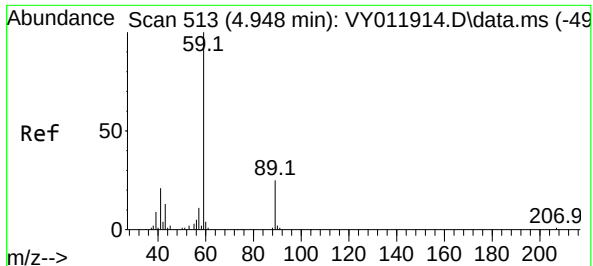
Tgt Ion:168 Resp: 156385
Ion Ratio Lower Upper
168 100
99 57.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.482 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

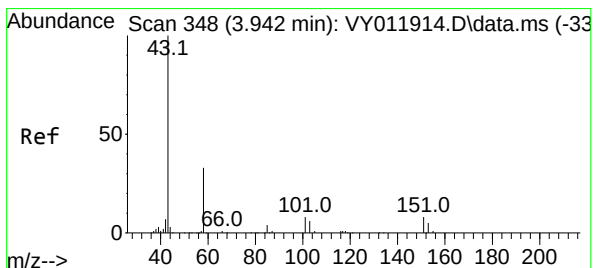
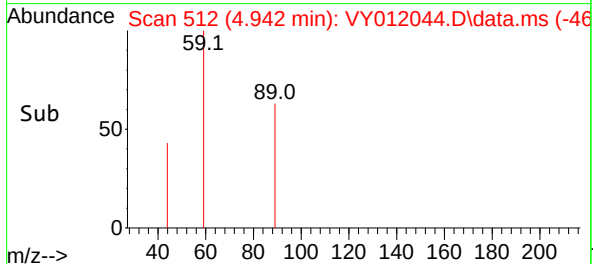
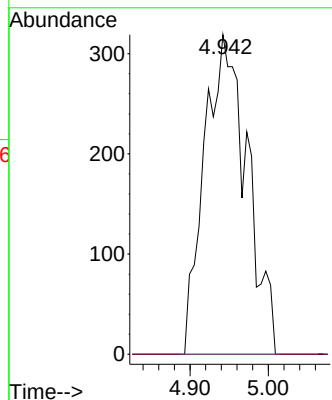
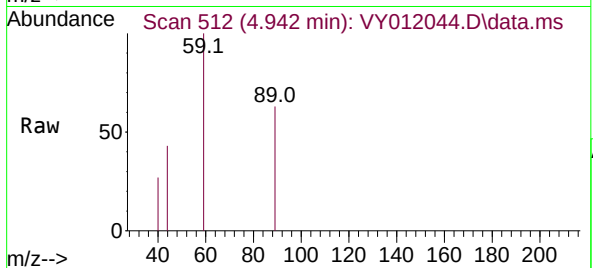




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

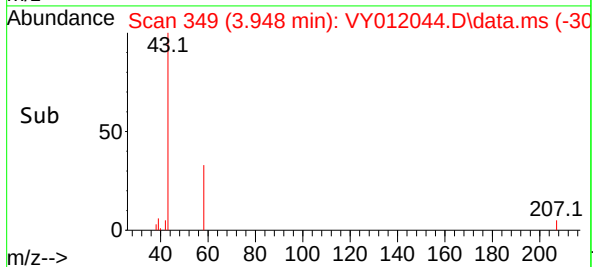
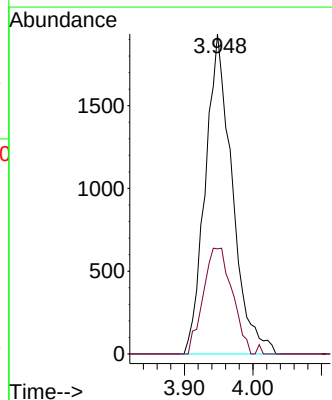
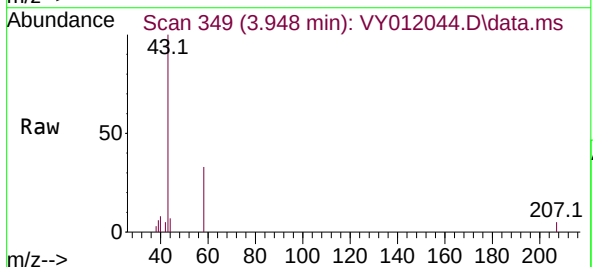
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

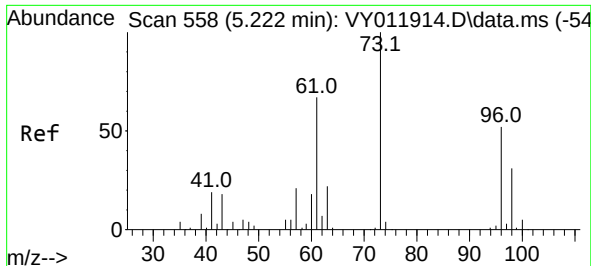
Tgt Ion: 59 Resp: 1208
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 15.839 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 43 Resp: 5260
Ion Ratio Lower Upper
43 100
58 32.9 27.9 41.9





#21

trans-1,2-Dichloroethene

Concen: 4.607 ug/l

RT: 5.222 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY012044.D

Acq: 03 Jan 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-COMP

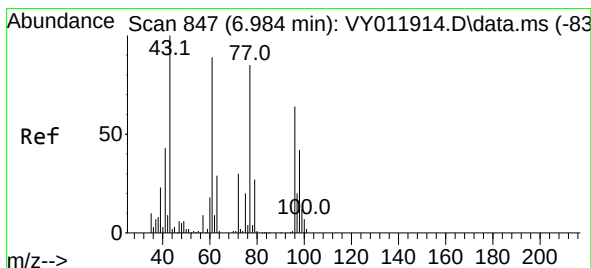
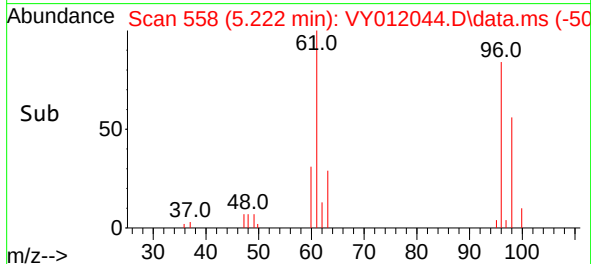
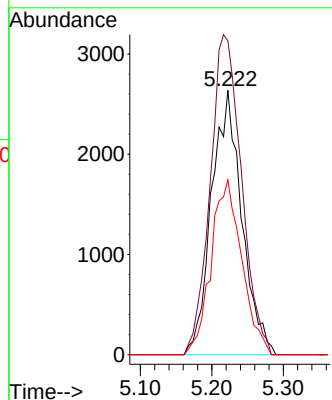
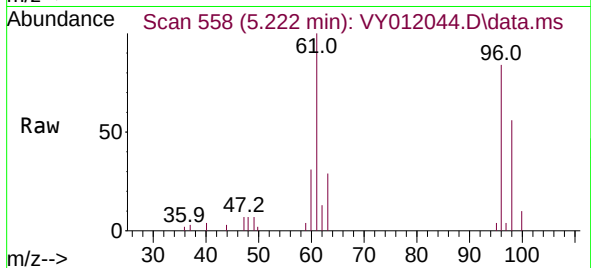
Tgt Ion: 96 Resp: 7745

Ion Ratio Lower Upper

96 100

61 118.7 108.0 162.0

98 66.1 51.6 77.4



#25

2-Butanone

Concen: 3.635 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012044.D

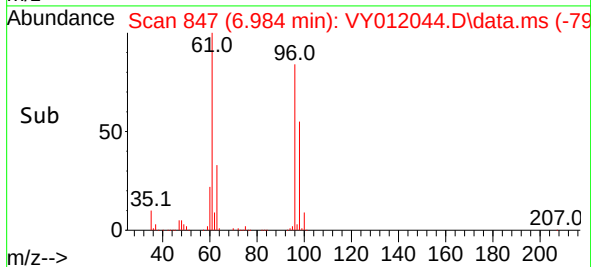
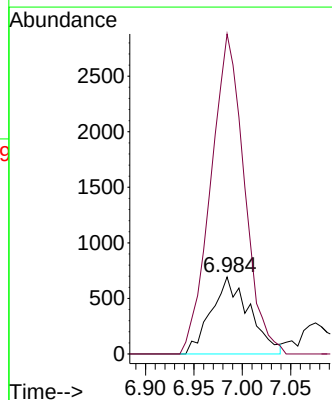
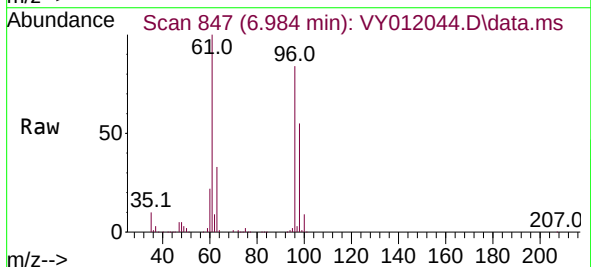
Acq: 03 Jan 2023 14:11

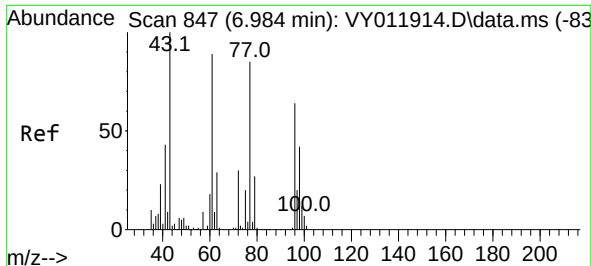
Tgt Ion: 43 Resp: 1908

Ion Ratio Lower Upper

43 100

72 415.6 22.6 34.0#

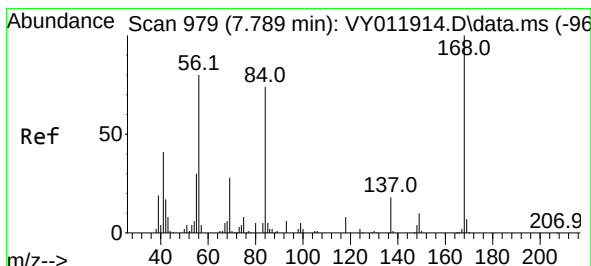
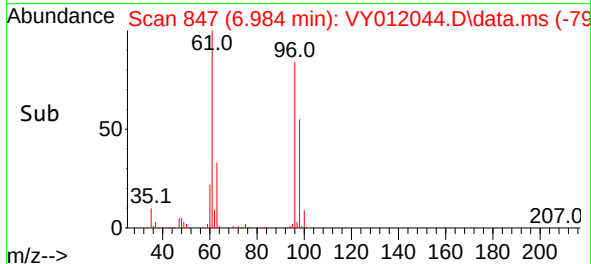
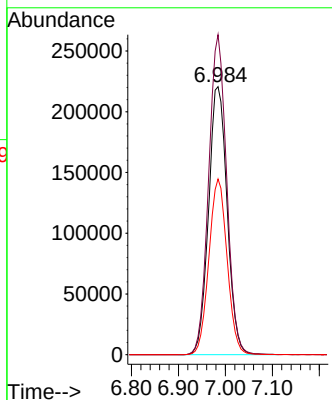
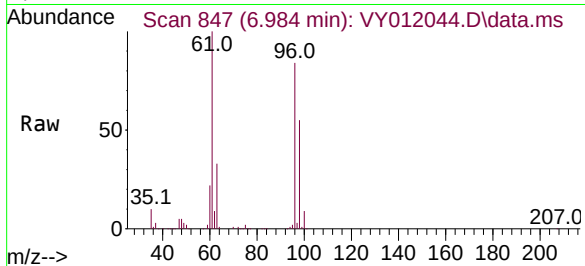




#27
 cis-1,2-Dichloroethene
 Concen: 332.900 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.000 min
 Lab File: VY012044.D
 Acq: 03 Jan 2023 14:11

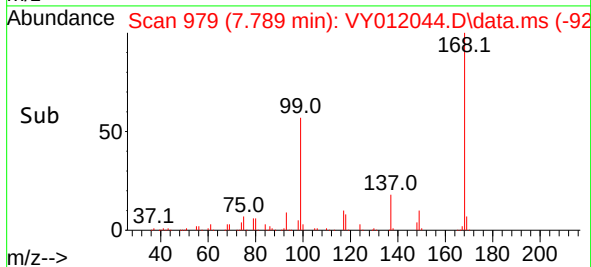
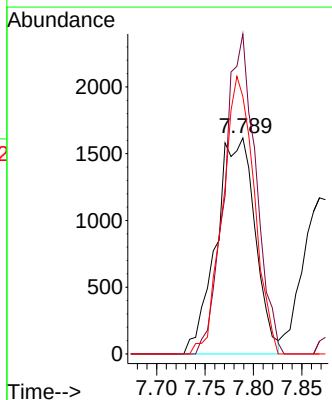
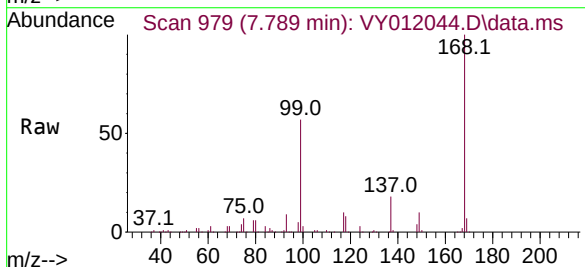
Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-COMP

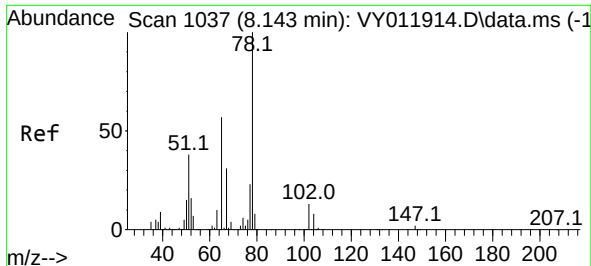
Tgt Ion: 96 Resp: 605316
 Ion Ratio Lower Upper
 96 100
 61 115.9 0.0 283.4
 98 64.3 0.0 127.6



#31
 Cyclohexane
 Concen: 1.709 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. 0.006 min
 Lab File: VY012044.D
 Acq: 03 Jan 2023 14:11

Tgt Ion: 56 Resp: 4534
 Ion Ratio Lower Upper
 56 100
 69 148.1 29.2 43.8#
 84 119.2 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 59.389 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY012044.D

Acq: 03 Jan 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

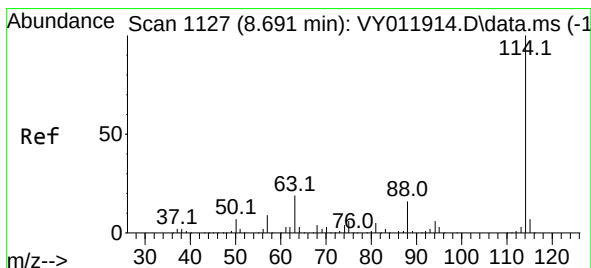
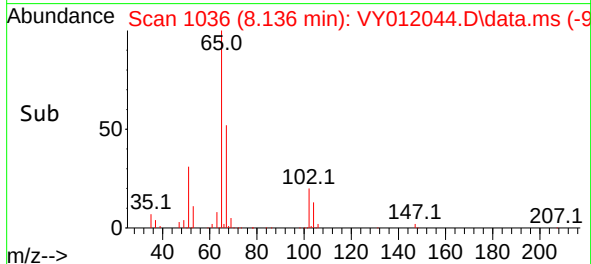
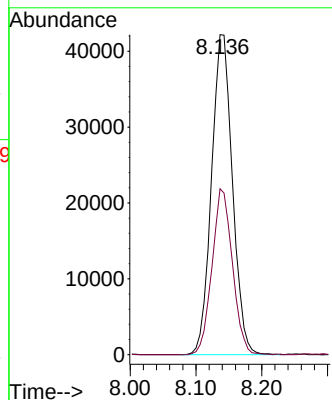
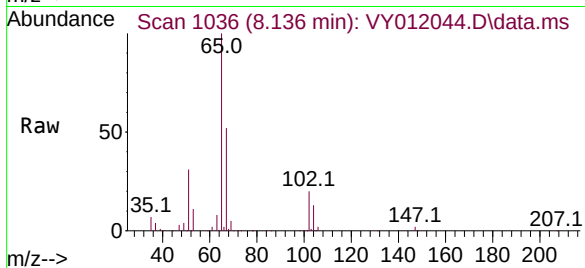
WASTE-COMP

Tgt Ion: 65 Resp: 93570

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012044.D

Acq: 03 Jan 2023 14:11

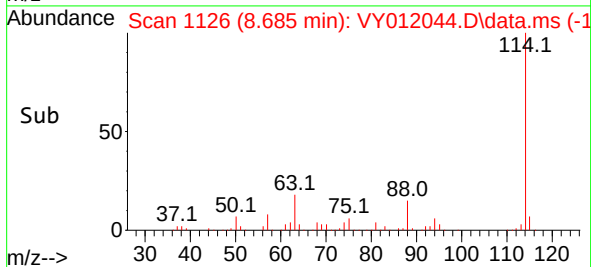
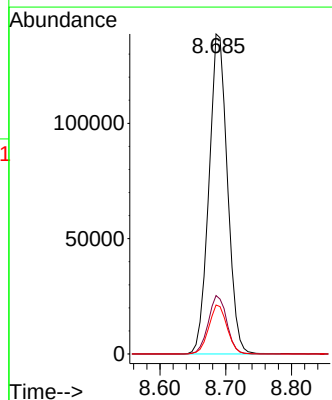
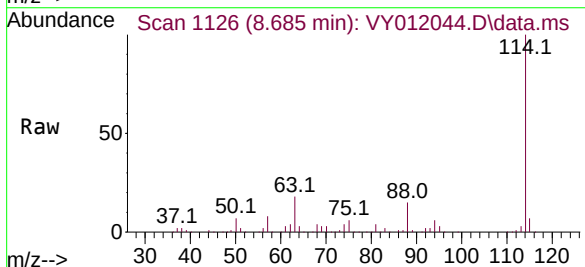
Tgt Ion: 114 Resp: 271080

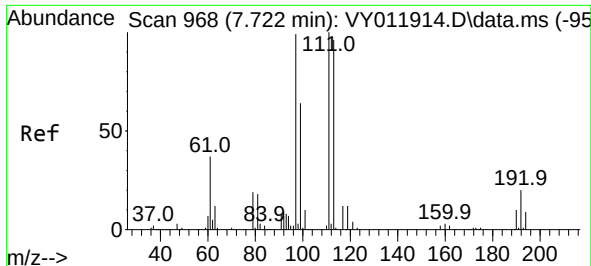
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.3 0.0 32.2

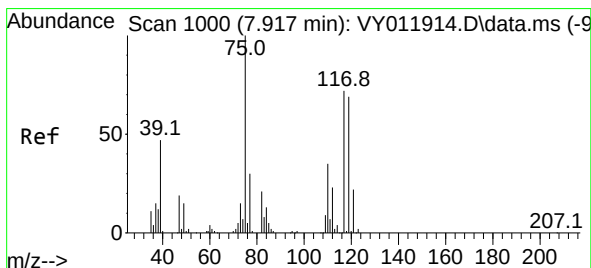
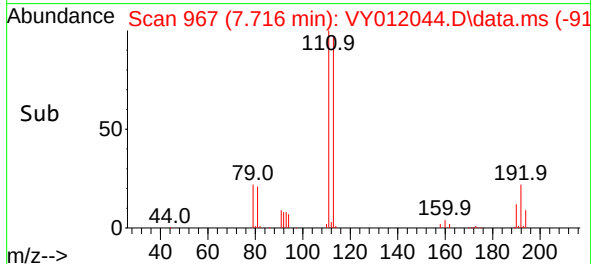
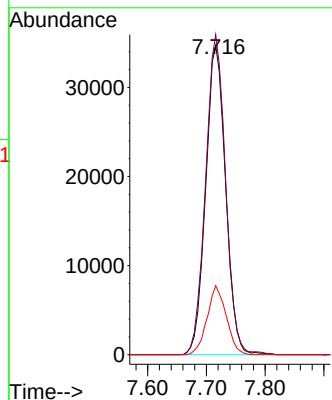
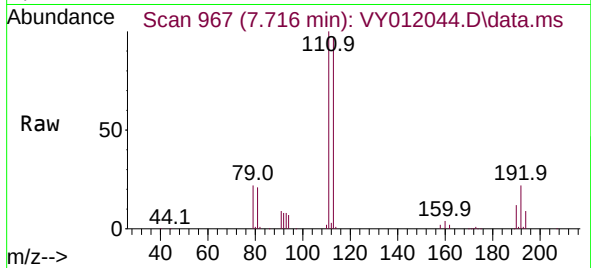




#35
Dibromofluoromethane
Concen: 50.200 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

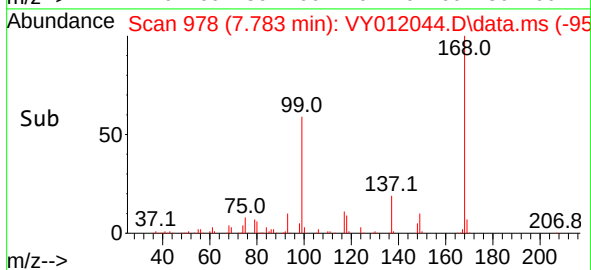
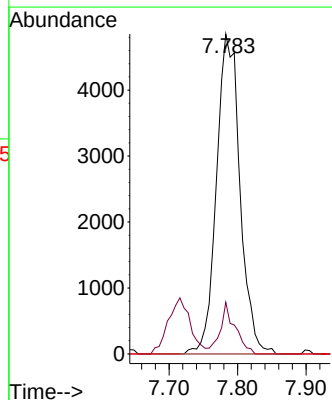
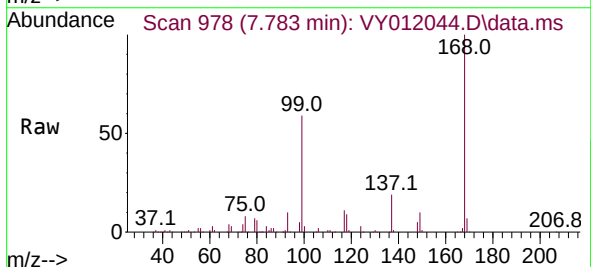
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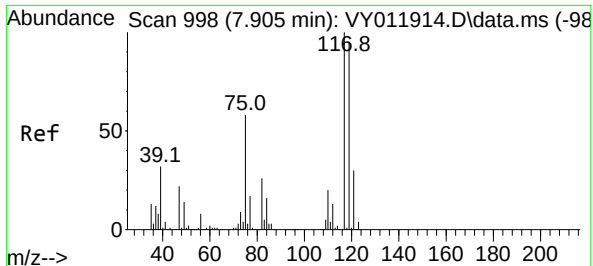
Tgt Ion:113 Resp: 81925
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.398 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 75 Resp: 11514
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.1#
77 0.0 25.1 37.7#

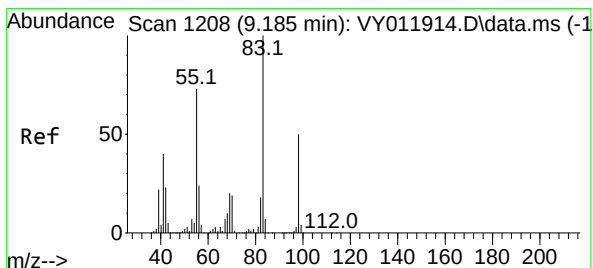
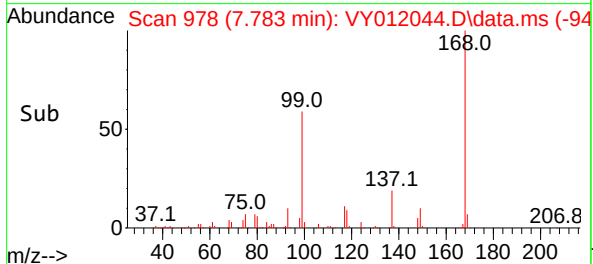
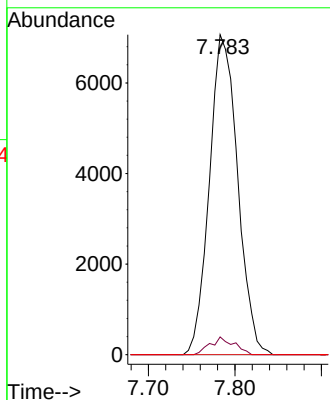
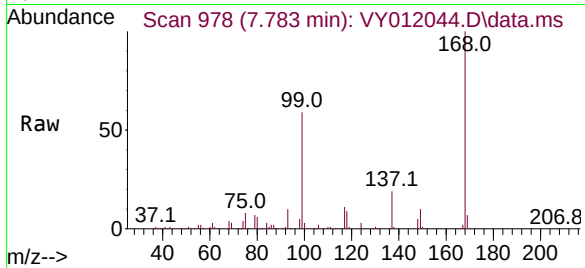




#38
Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

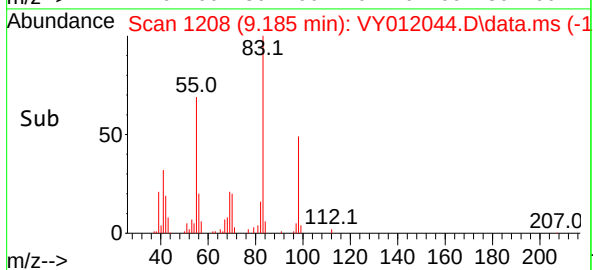
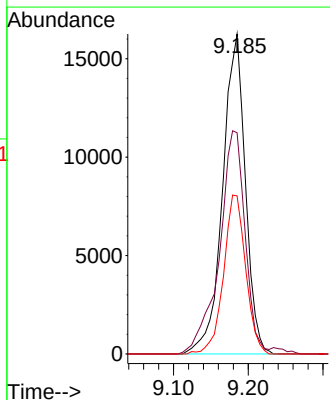
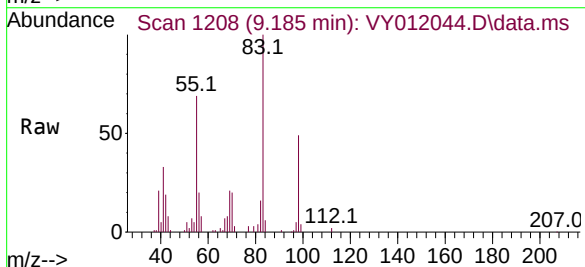
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

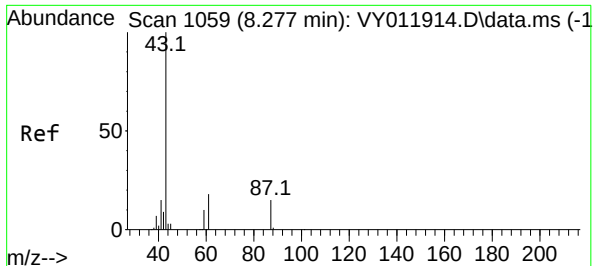
Tgt Ion:117 Resp: 16020
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.8#
121 0.0 25.2 37.8#



#39
Methylcyclohexane
Concen: 10.933 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 83 Resp: 34436
Ion Ratio Lower Upper
83 100
55 69.1 58.2 87.2
98 49.4 38.6 58.0





#43

Isopropyl Acetate

Concen: 1.616 ug/l

RT: 8.265 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VY012044.D

Acq: 03 Jan 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-COMP

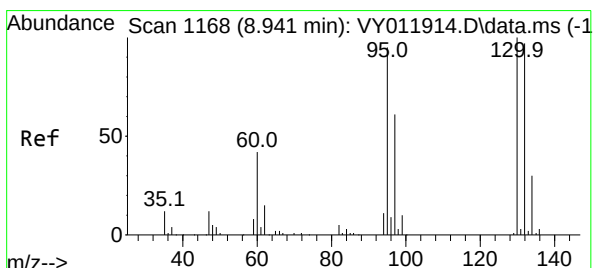
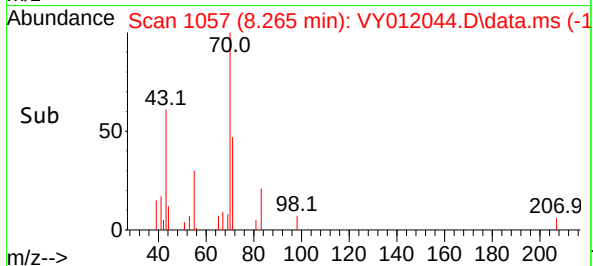
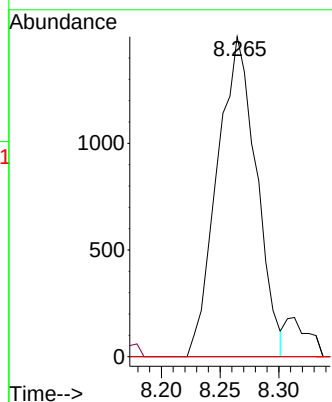
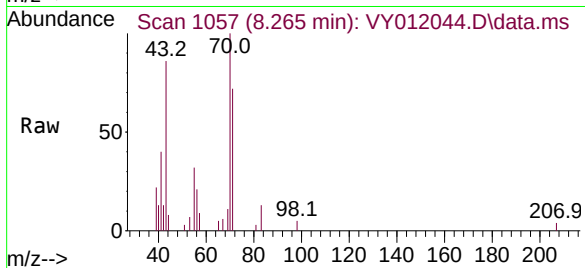
Tgt Ion: 43 Resp: 3467

Ion Ratio Lower Upper

43 100

61 0.0 24.4 36.6#

87 0.0 11.4 17.2#



#44

Trichloroethene

Concen: 243.194 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VY012044.D

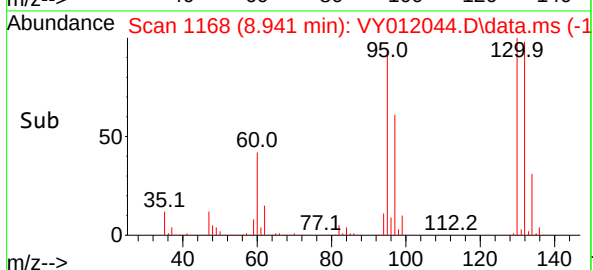
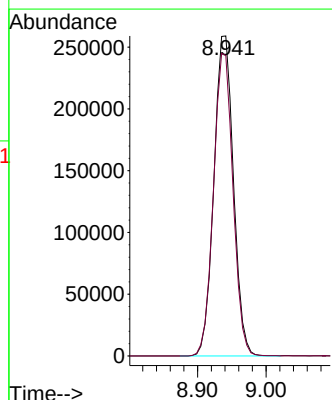
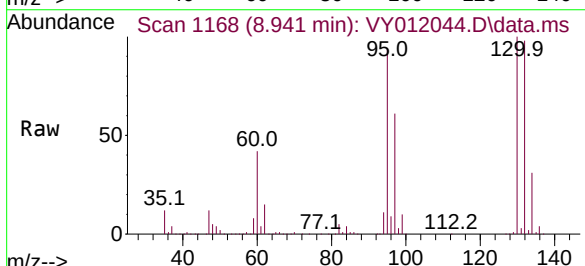
Acq: 03 Jan 2023 14:11

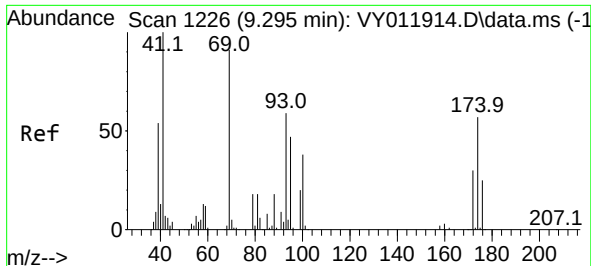
Tgt Ion: 130 Resp: 513518

Ion Ratio Lower Upper

130 100

95 93.9 0.0 190.6

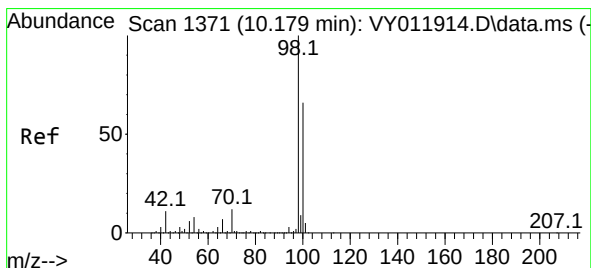
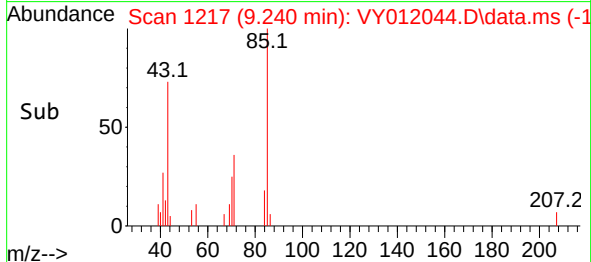
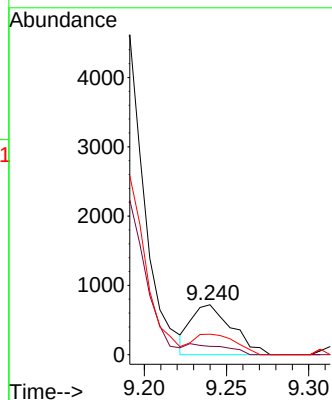
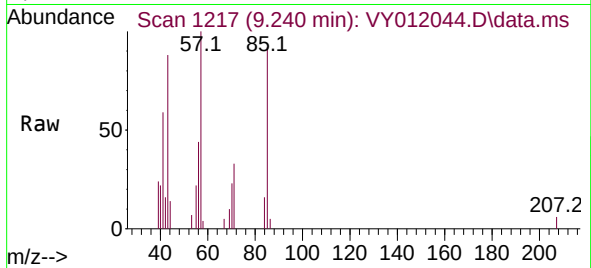




#48
Methyl methacrylate
Concen: 1.249 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.049 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

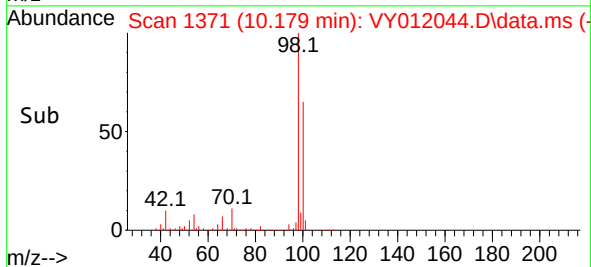
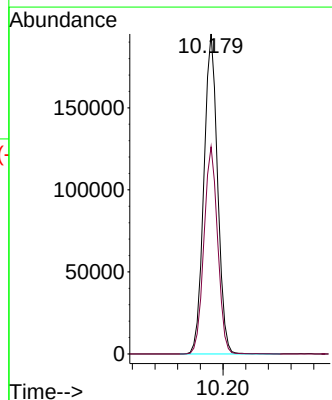
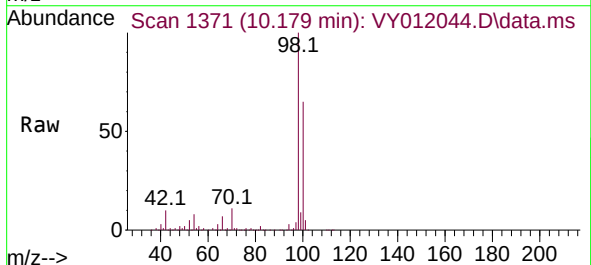
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

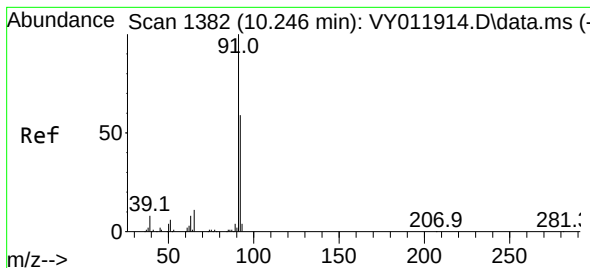
Tgt Ion: 41 Resp: 1240
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 43.5 46.3 69.5#



#50
Toluene-d8
Concen: 49.223 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 98 Resp: 325922
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9





#52

Toluene

Concen: 2.865 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY012044.D

Acq: 03 Jan 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

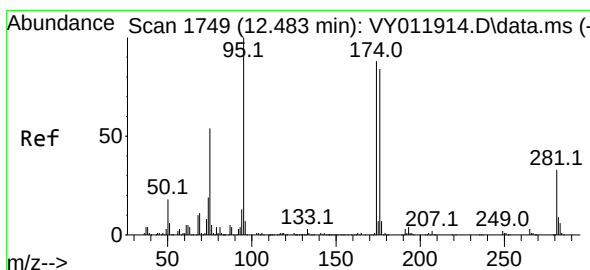
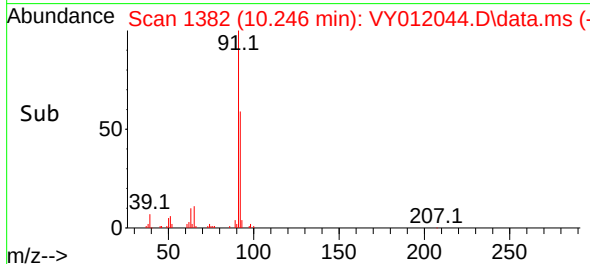
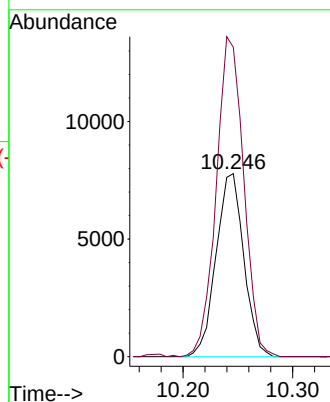
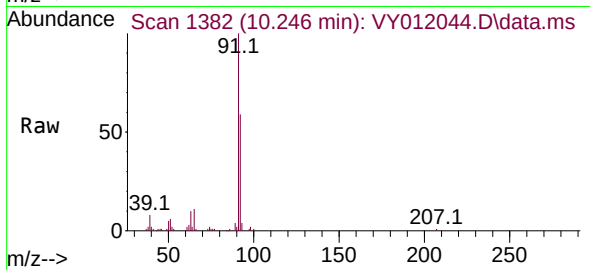
WASTE-COMP

Tgt Ion: 92 Resp: 13675

Ion Ratio Lower Upper

92 100

91 173.3 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 48.594 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012044.D

Acq: 03 Jan 2023 14:11

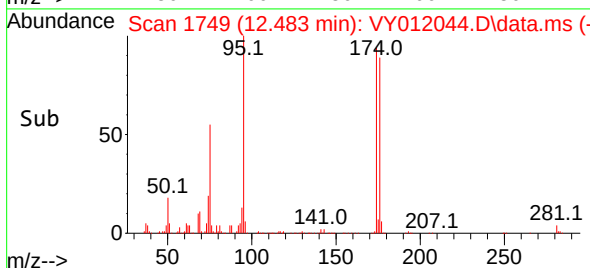
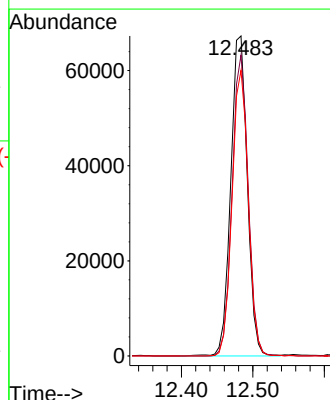
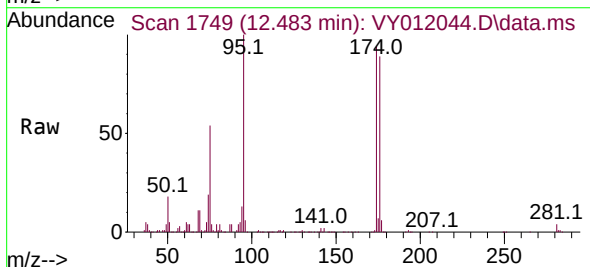
Tgt Ion: 95 Resp: 108213

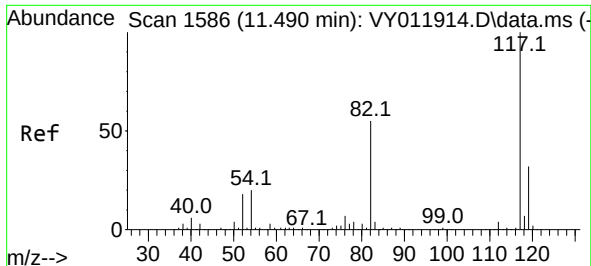
Ion Ratio Lower Upper

95 100

174 91.3 0.0 172.0

176 87.3 0.0 167.6

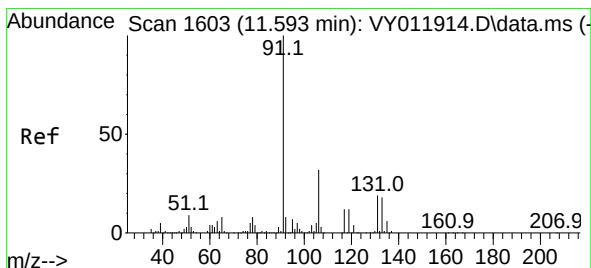
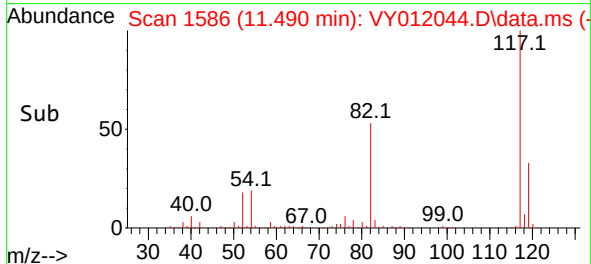
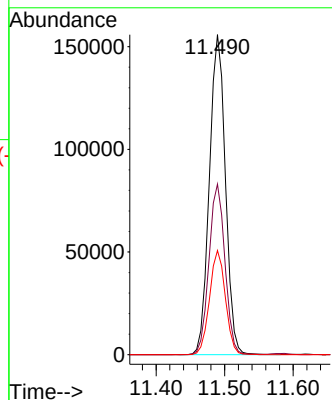
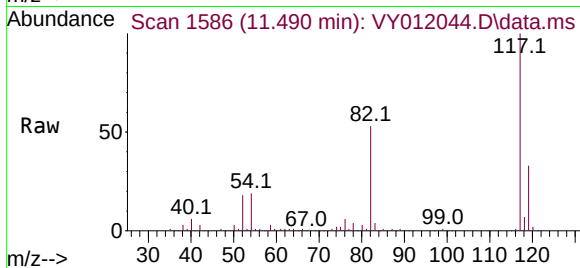




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

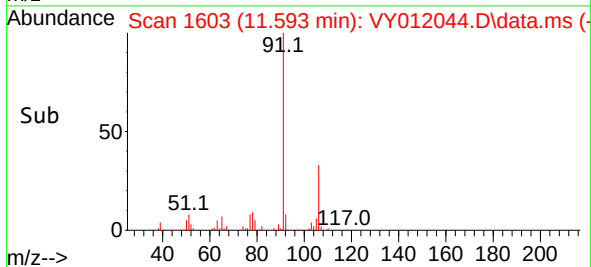
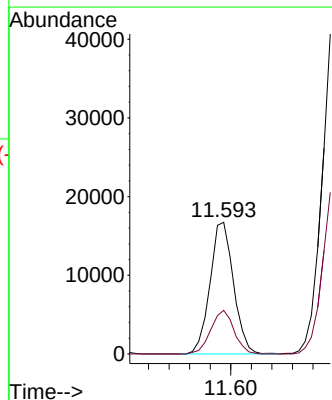
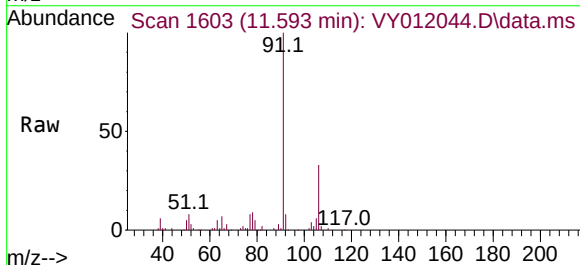
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

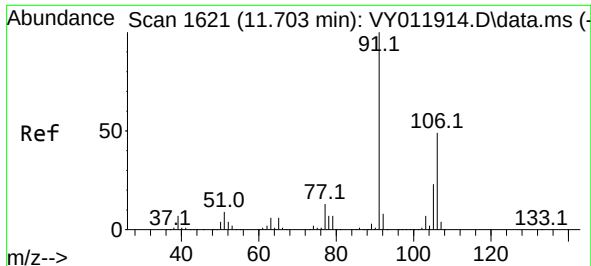
Tgt Ion:117 Resp: 253967
Ion Ratio Lower Upper
117 100
82 53.3 44.8 67.2
119 32.6 25.4 38.2



#67
Ethyl Benzene
Concen: 2.792 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 91 Resp: 26615
Ion Ratio Lower Upper
91 100
106 33.0 25.0 37.4

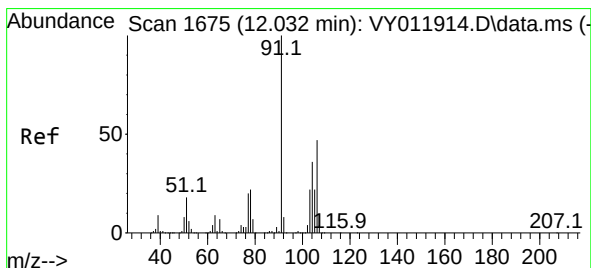
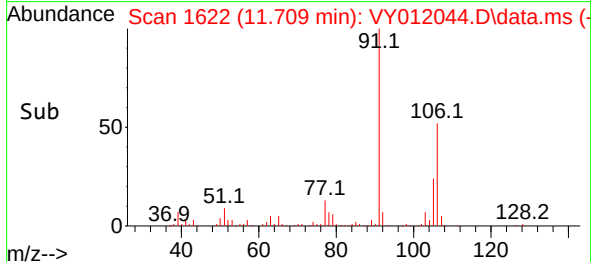
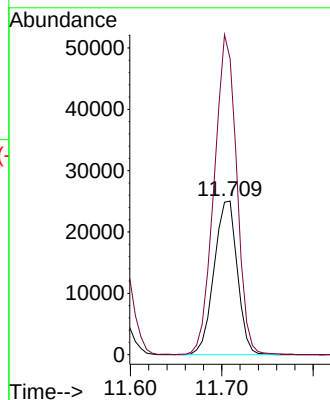
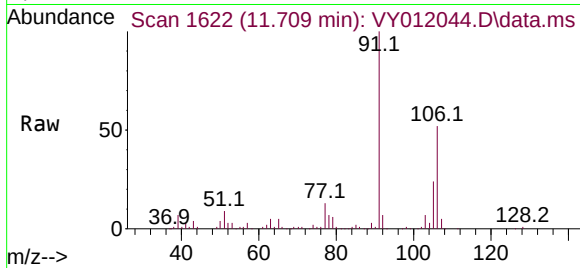




#68
m/p-Xylenes
Concen: 11.945 ug/l
RT: 11.709 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

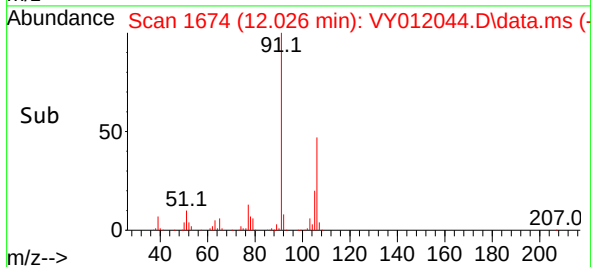
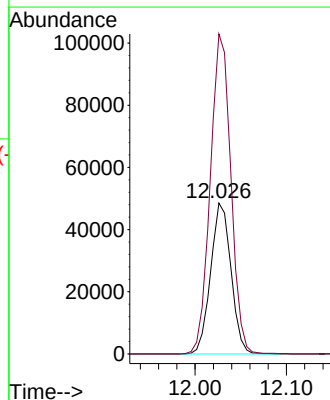
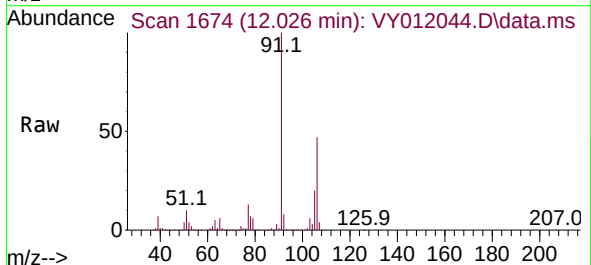
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

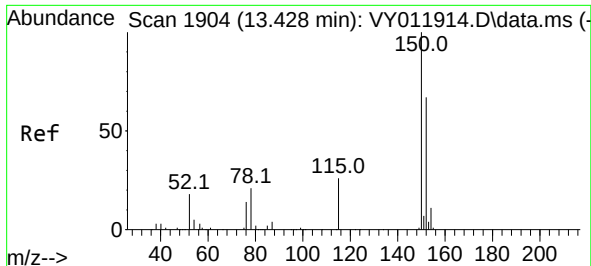
Tgt Ion:106 Resp: 44281
Ion Ratio Lower Upper
106 100
91 202.6 162.5 243.7



#69
o-Xylene
Concen: 21.729 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion:106 Resp: 74947
Ion Ratio Lower Upper
106 100
91 214.7 107.5 322.4

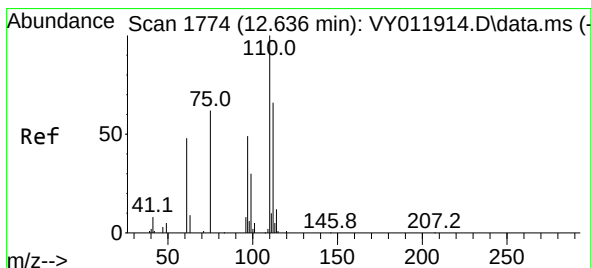
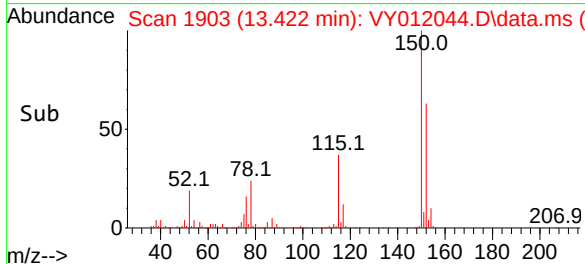
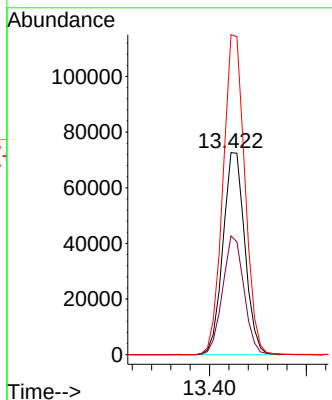
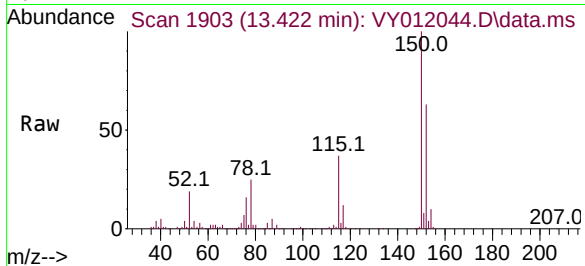




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

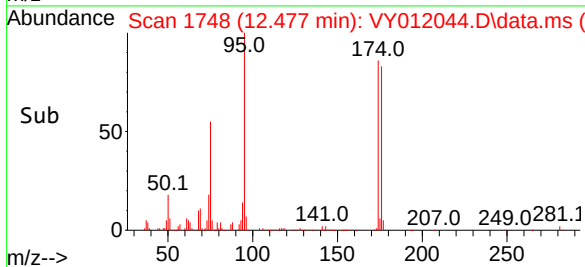
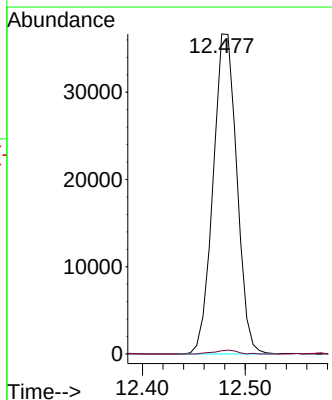
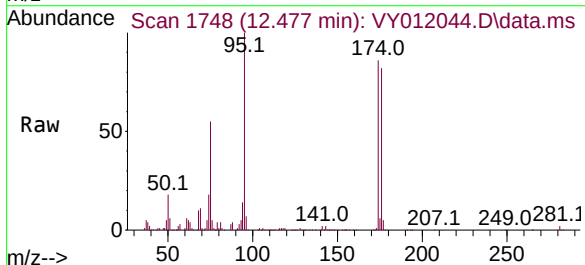
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

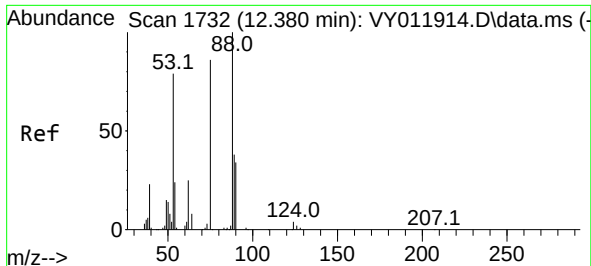
Tgt Ion:152 Resp: 114018
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 158.3 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 41.444 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 75 Resp: 58799
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

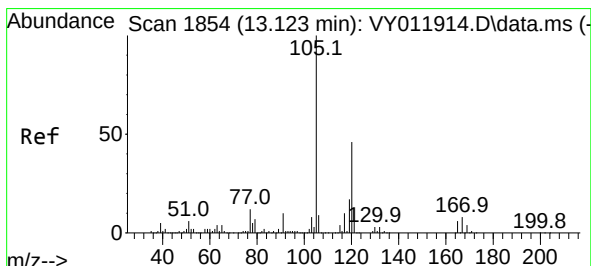
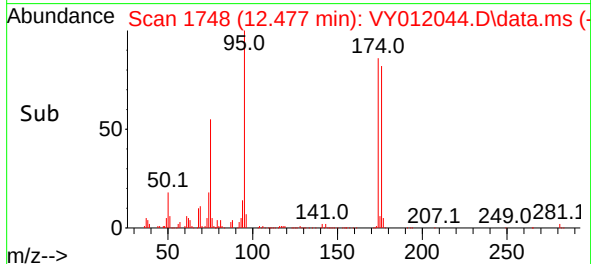
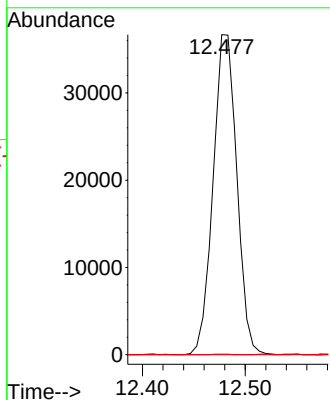
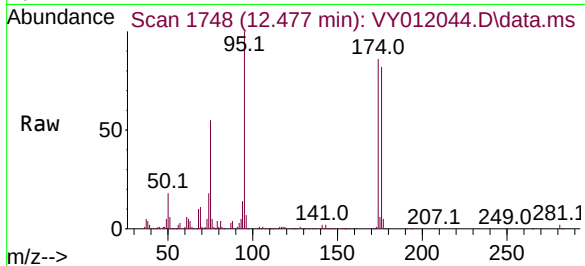




#81
trans-1,4-Dichloro-2-butene
Concen: 113.494 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

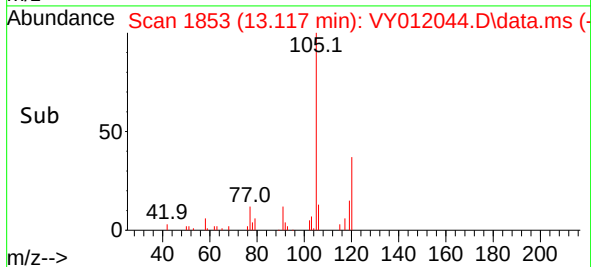
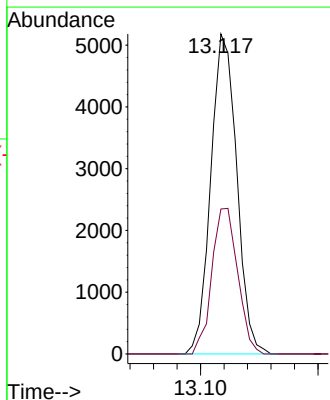
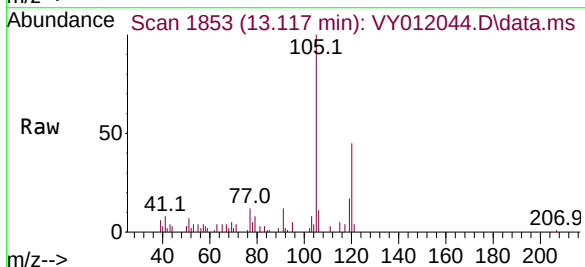
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

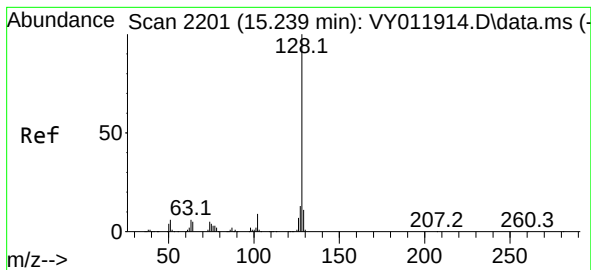
Tgt Ion: 75 Resp: 58799
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.117 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Tgt Ion: 105 Resp: 7960
Ion Ratio Lower Upper
105 100
120 45.3 22.9 68.7





#95
Naphthalene
Concen: 2.947 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012044.D
Acq: 03 Jan 2023 14:11

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-COMP

Tgt Ion:128 Resp: 749
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

