

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012045.D
 Acq On : 03 Jan 2023 14:35
 Operator : KP/MD
 Sample : N6245-03
 Misc : 3.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-VOC

Quant Time: Jan 04 01:18:11 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

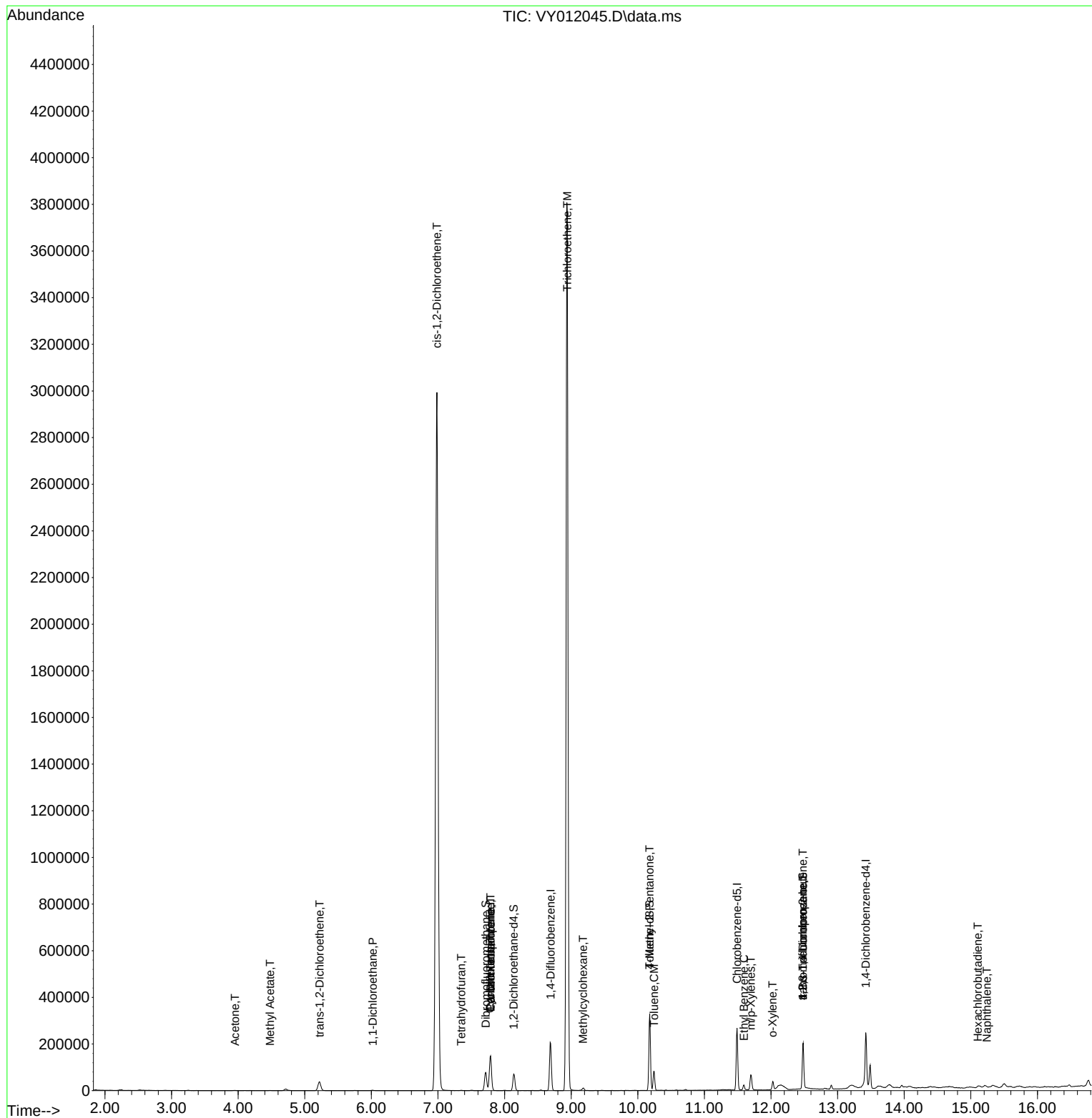
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	117852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	148890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59655	50.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.480%	
35) Dibromofluoromethane	7.716	113	53764	48.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.960%	
50) Toluene-d8	10.179	98	215285	47.845	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.680%	
62) 4-Bromofluorobenzene	12.477	95	58085	38.382	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.760%	
Target Compounds						
11) Tert butyl alcohol	4.942	59	217	Below Cal	#	74
16) Acetone	3.954	43	1428	8.824	ug/l #	77
18) Methyl Acetate	4.478	43	1142	1.392	ug/l	91
20) Methylene Chloride	4.710	84	5501	Below Cal		90
21) trans-1,2-Dichloroethene	5.222	96	26645	21.031	ug/l	94
24) 1,1-Dichloroethane	6.021	63	2633	1.253	ug/l #	86
27) cis-1,2-Dichloroethene	6.984	96	1917146	1399.088	ug/l	86
29) Tetrahydrofuran	7.350	42	664	2.963	ug/l	91
31) Cyclohexane	7.783	56	2434	1.218	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	8165	4.590	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11614	5.653	ug/l #	18
39) Methylcyclohexane	9.179	83	5033	2.351	ug/l	88
44) Trichloroethene	8.941	130	1328382	925.726	ug/l	100
51) 4-Methyl-2-Pentanone	10.179	43	995	1.280	ug/l #	1
52) Toluene	10.246	92	35591	10.973	ug/l	96
67) Ethyl Benzene	11.593	91	13887	2.485	ug/l	96
68) m/p-Xylenes	11.697	106	21348	9.823	ug/l	97
69) o-Xylene	12.026	106	9526	4.711	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	30324	42.424	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	30324	116.178	ug/l #	13
94) Hexachlorobutadiene	15.105	225	671	1.021	ug/l	84
95) Naphthalene	15.239	128	534	3.017	ug/l #	84

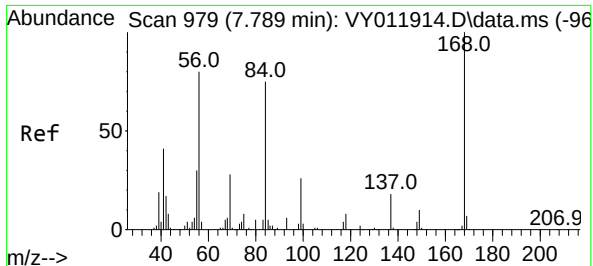
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
Data File : VY012045.D
Acq On : 03 Jan 2023 14:35
Operator : KP/MD
Sample : N6245-03
Misc : 3.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Jan 04 01:18:11 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

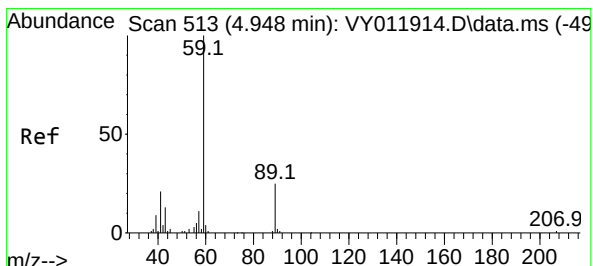
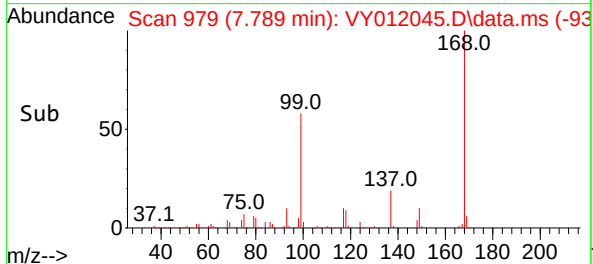
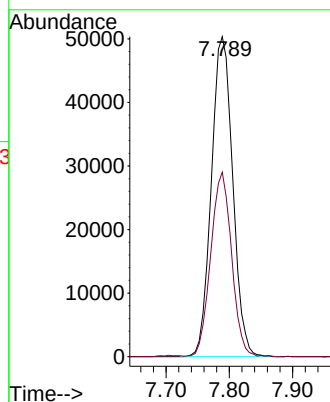
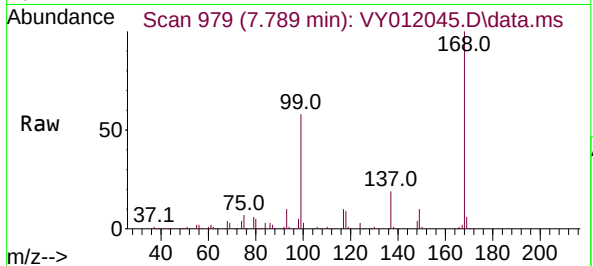




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

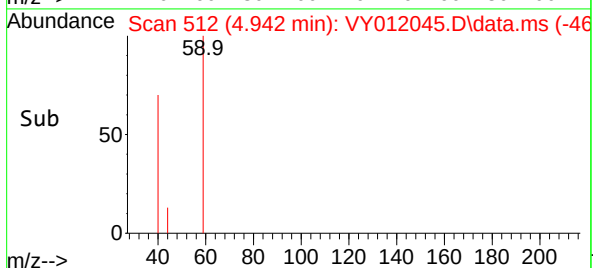
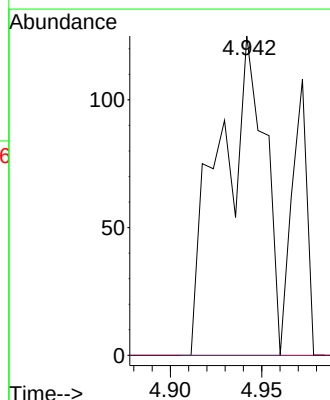
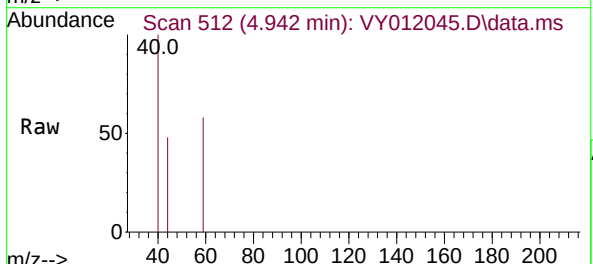
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

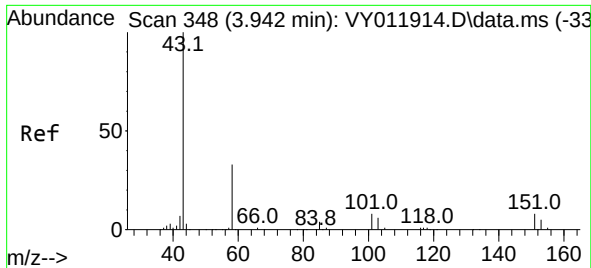
Tgt Ion:168 Resp: 117852
Ion Ratio Lower Upper
168 100
99 57.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 8.824 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

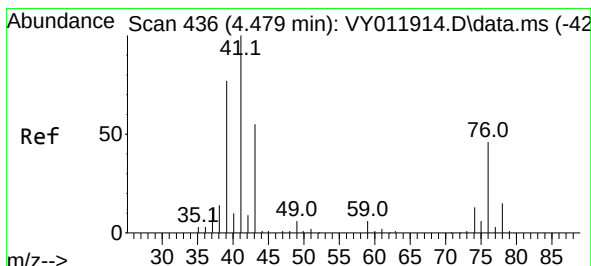
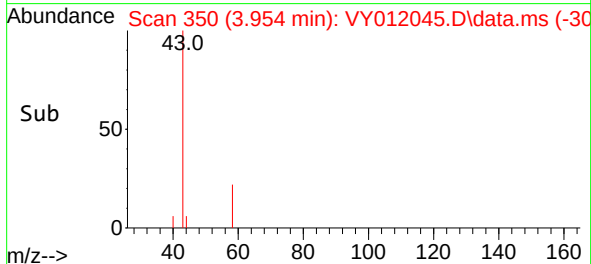
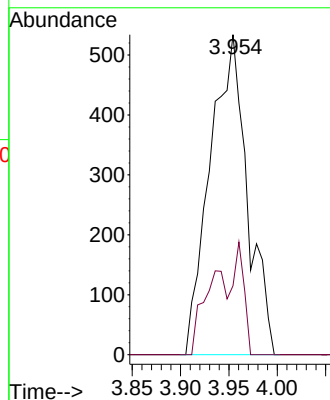
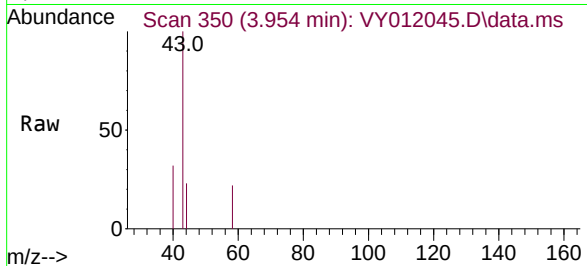
WASTE-VOC

Tgt Ion: 43 Resp: 1428

Ion Ratio Lower Upper

43 100

58 21.5 27.9 41.9#



#18

Methyl Acetate

Concen: 1.392 ug/l

RT: 4.478 min Scan# 436

Delta R.T. -0.001 min

Lab File: VY012045.D

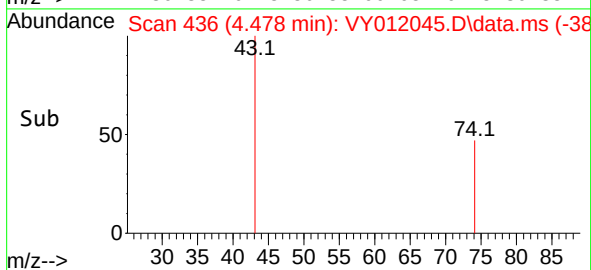
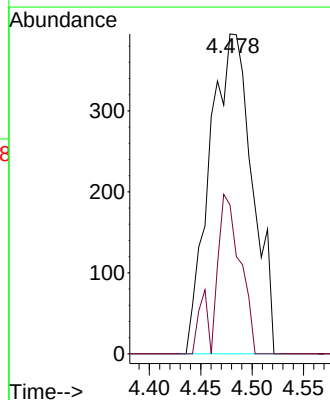
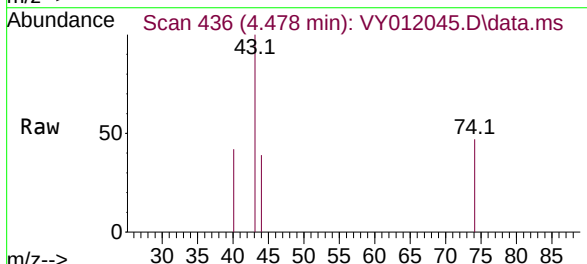
Acq: 03 Jan 2023 14:35

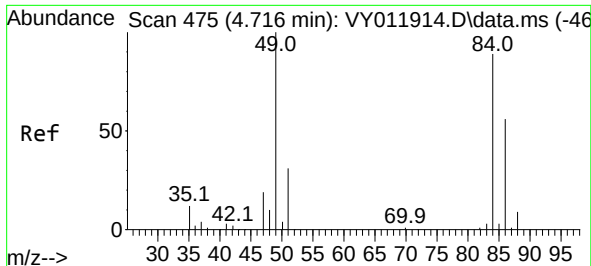
Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

74 29.6 20.1 30.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-VOC

Tgt Ion: 84 Resp: 5501

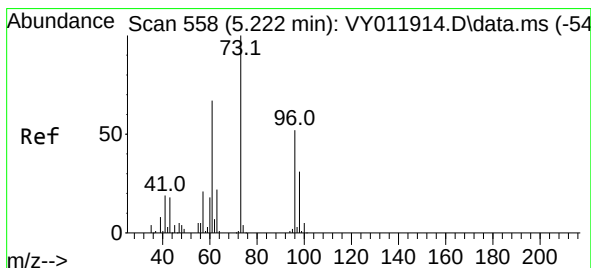
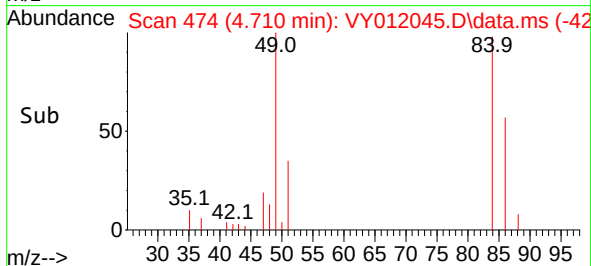
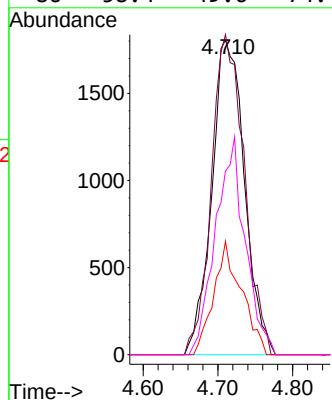
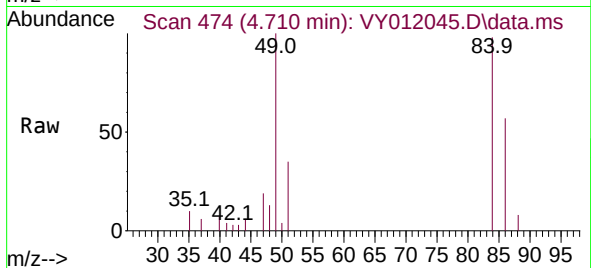
Ion Ratio Lower Upper

84 100

49 101.7 95.4 143.2

51 36.0 29.9 44.9

86 58.4 49.6 74.4



#21

trans-1,2-Dichloroethene

Concen: 21.031 ug/l

RT: 5.222 min Scan# 558

Delta R.T. -0.000 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

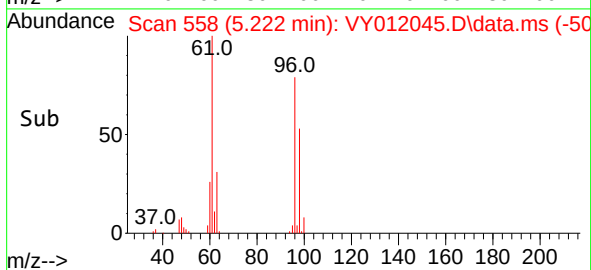
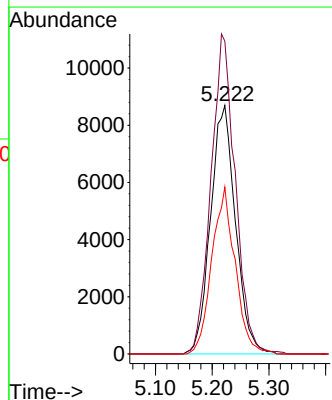
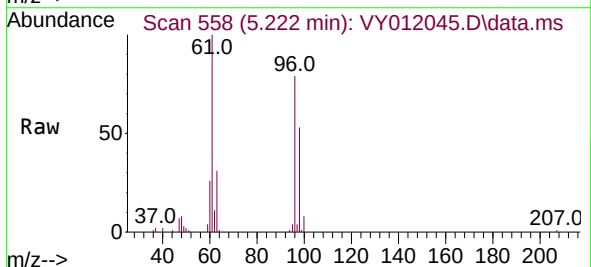
Tgt Ion: 96 Resp: 26645

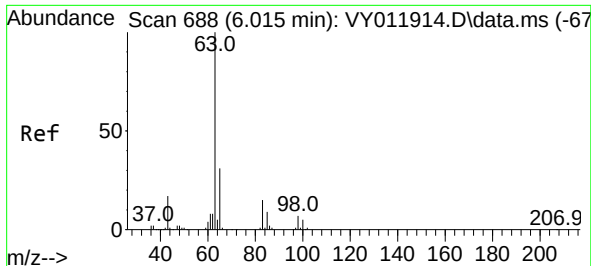
Ion Ratio Lower Upper

96 100

61 125.9 108.0 162.0

98 67.2 51.6 77.4

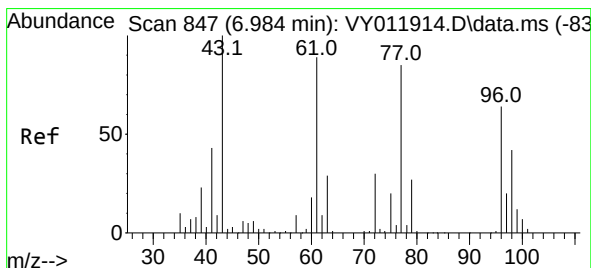
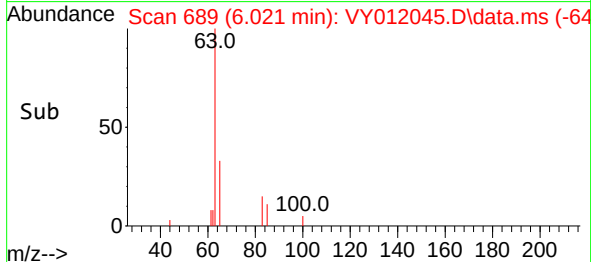
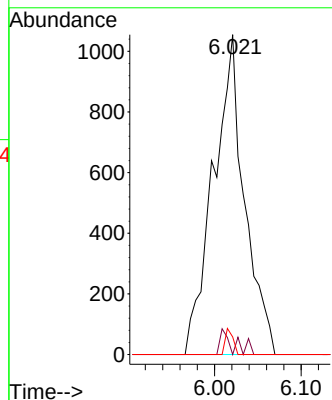
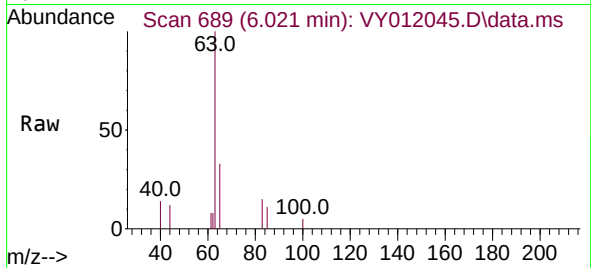




#24
1,1-Dichloroethane
Concen: 1.253 ug/l
RT: 6.021 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

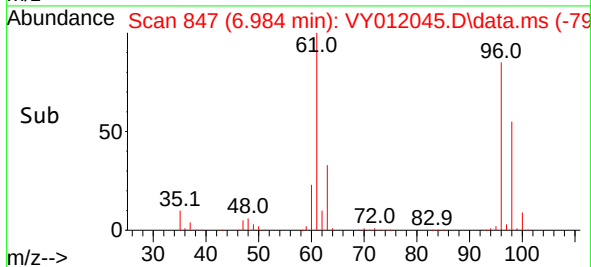
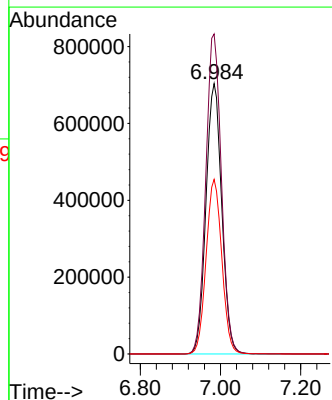
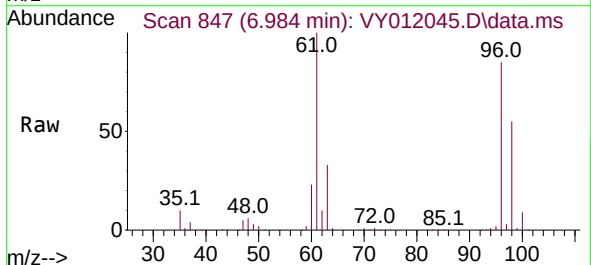
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

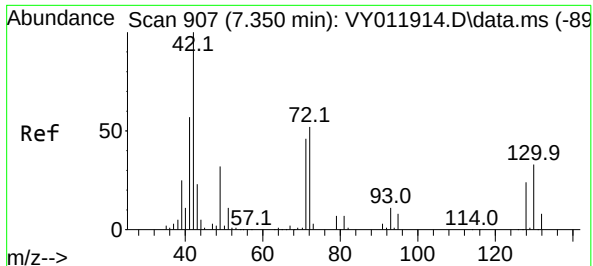
Tgt Ion: 63 Resp: 2633
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 5.5 2.2 6.6



#27
cis-1,2-Dichloroethene
Concen: 1399.088 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 96 Resp: 1917146
Ion Ratio Lower Upper
96 100
61 117.8 0.0 283.4
98 64.3 0.0 127.6





#29

Tetrahydrofuran

Concen: 2.963 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-VOC

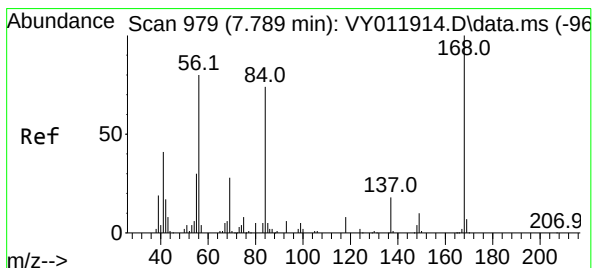
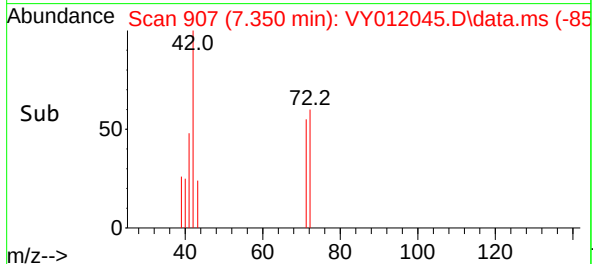
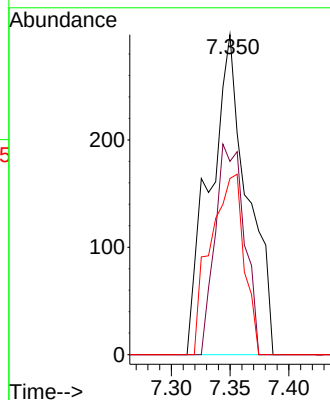
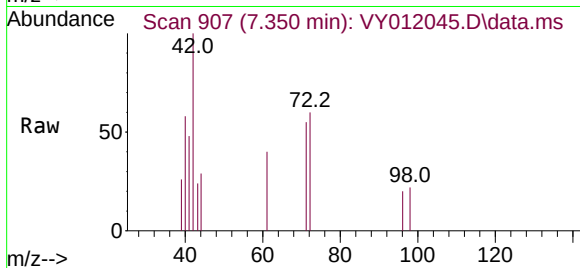
Tgt Ion: 42 Resp: 664

Ion Ratio Lower Upper

42 100

72 51.1 37.0 55.6

71 50.5 34.9 52.3



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

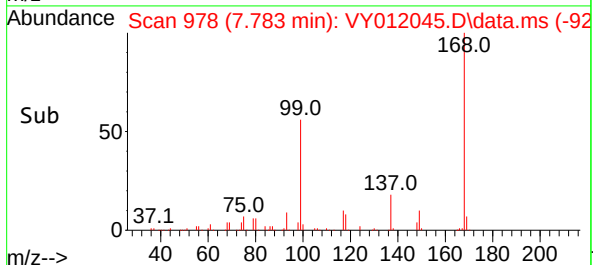
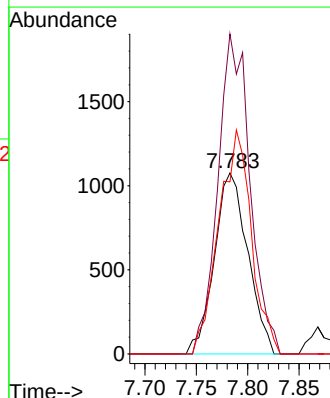
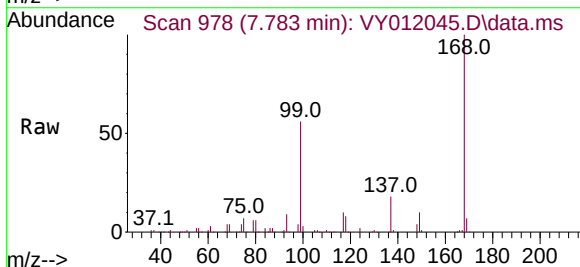
Tgt Ion: 56 Resp: 2434

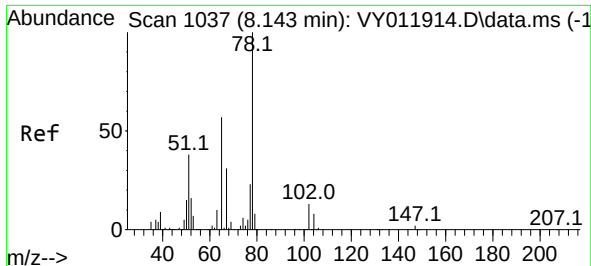
Ion Ratio Lower Upper

56 100

69 176.8 29.2 43.8#

84 95.1 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 50.243 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

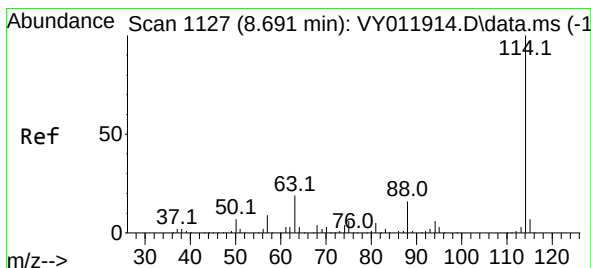
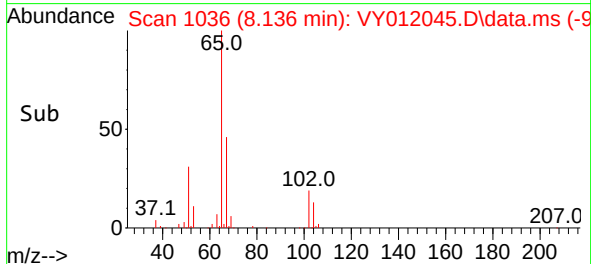
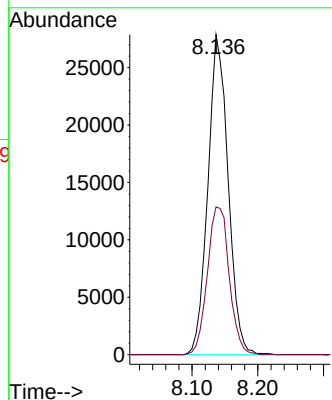
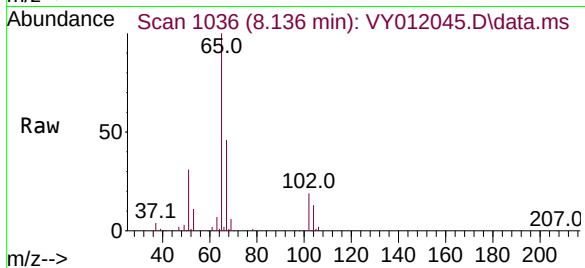
WASTE-VOC

Tgt Ion: 65 Resp: 59655

Ion Ratio Lower Upper

65 100

67 49.9 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: VY012045.D

Acq: 03 Jan 2023 14:35

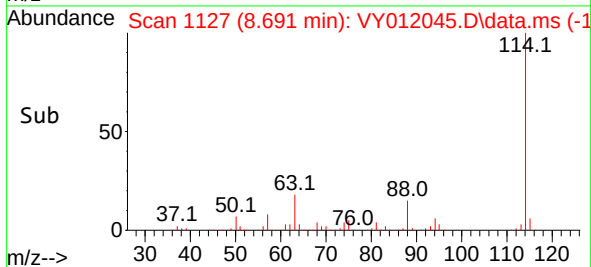
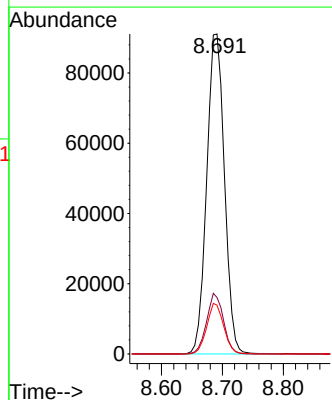
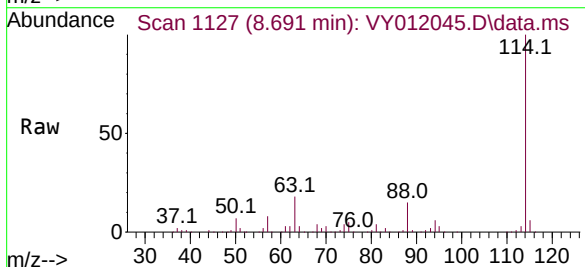
Tgt Ion: 114 Resp: 184219

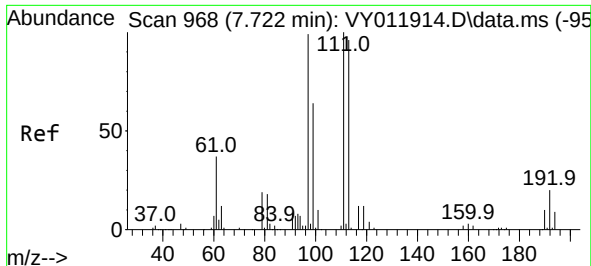
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.2 0.0 32.2

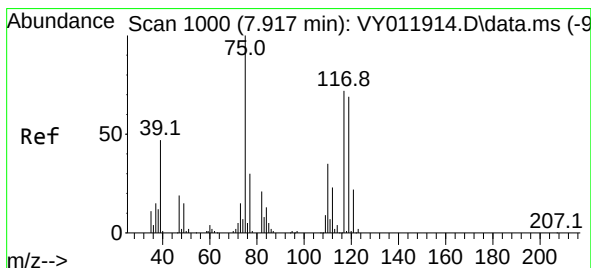
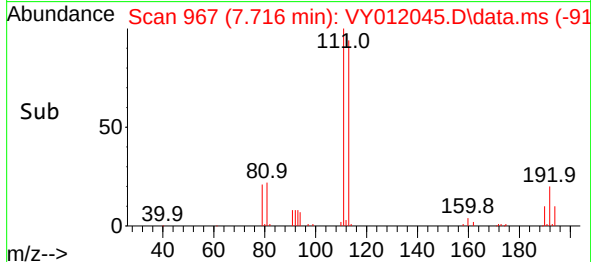
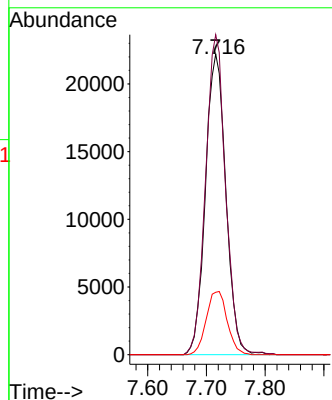
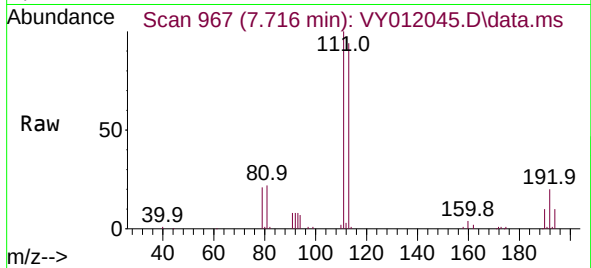




#35
Dibromofluoromethane
Concen: 48.477 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

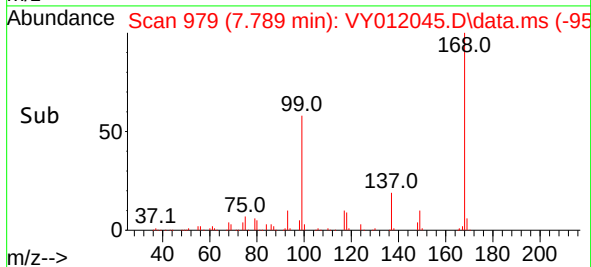
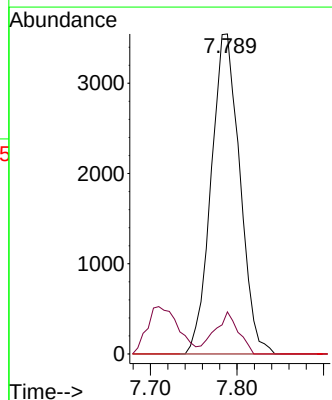
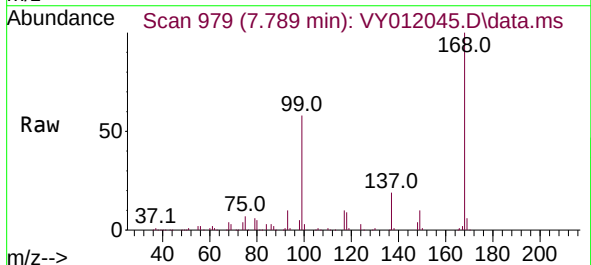
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

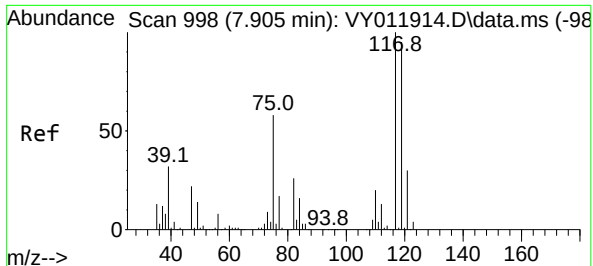
Tgt Ion:113 Resp: 53764
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 75 Resp: 8165
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.0 25.1 37.7#

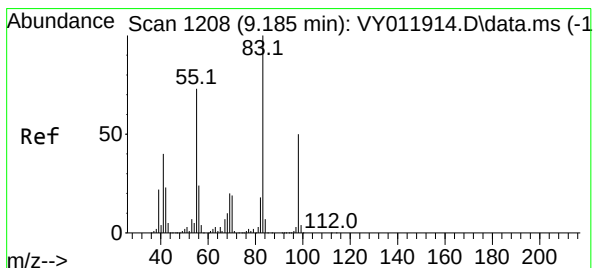
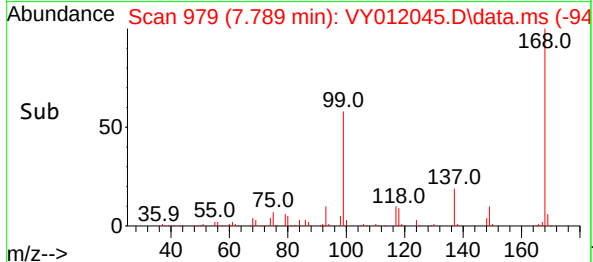
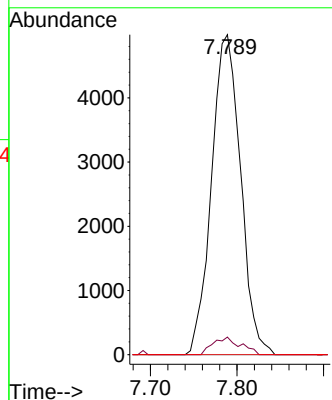
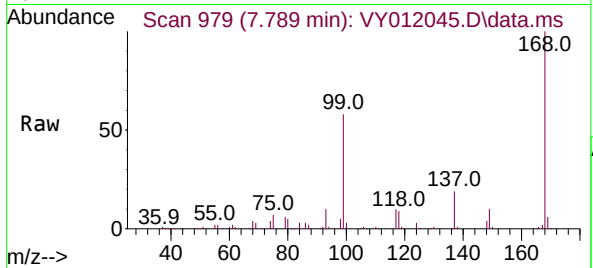




#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

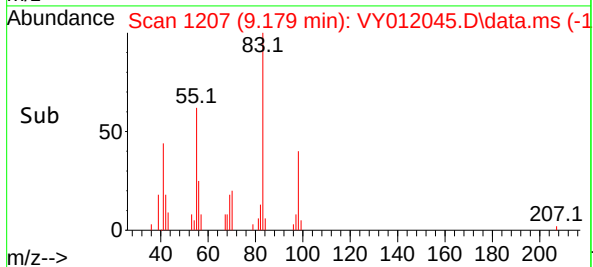
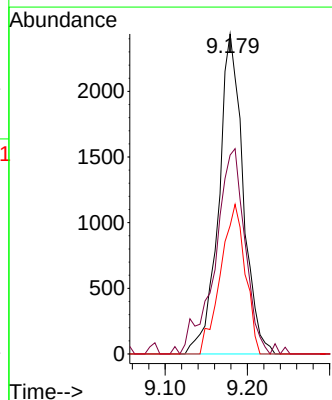
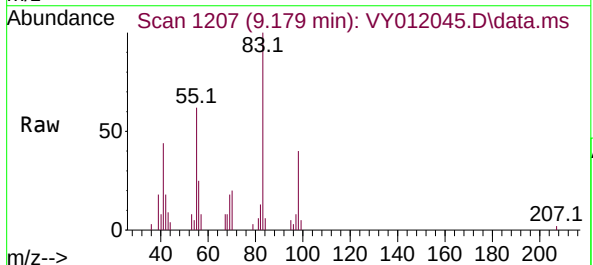
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

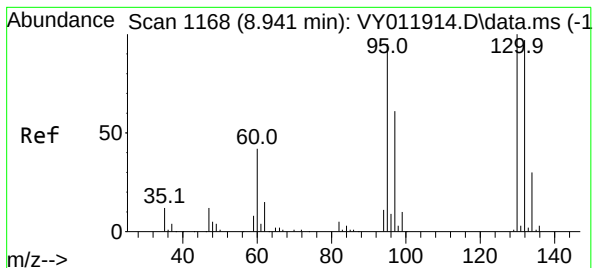
Tgt Ion:117 Resp: 11614
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.8#
121 0.0 25.2 37.8#



#39
Methylcyclohexane
Concen: 2.351 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 83 Resp: 5033
Ion Ratio Lower Upper
83 100
55 62.2 58.2 87.2
98 40.1 38.6 58.0





#44

Trichloroethene

Concen: 925.726 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

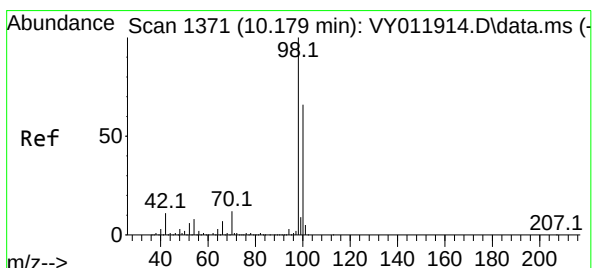
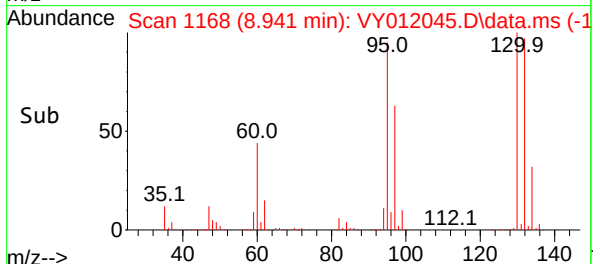
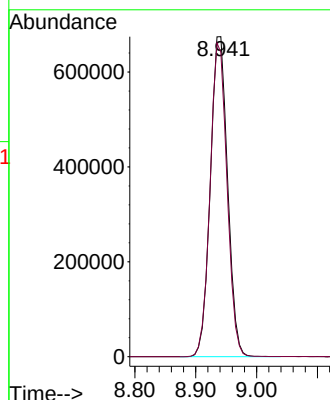
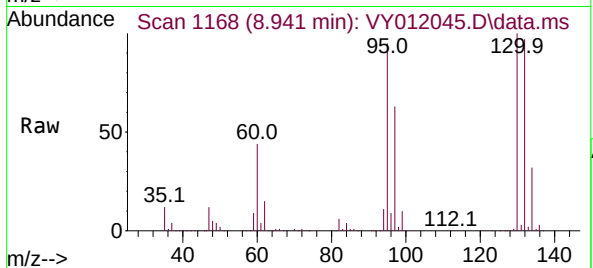
WASTE-VOC

Tgt Ion:130 Resp: 1328382

Ion Ratio Lower Upper

130 100

95 95.1 0.0 190.6



#50

Toluene-d8

Concen: 47.845 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012045.D

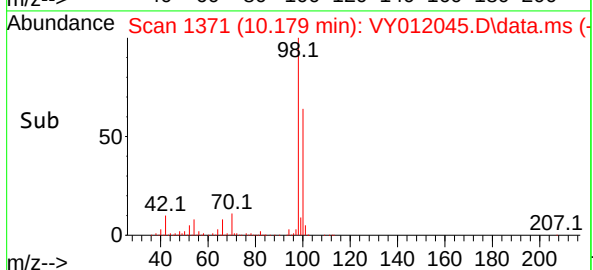
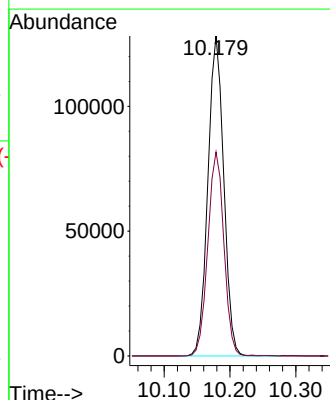
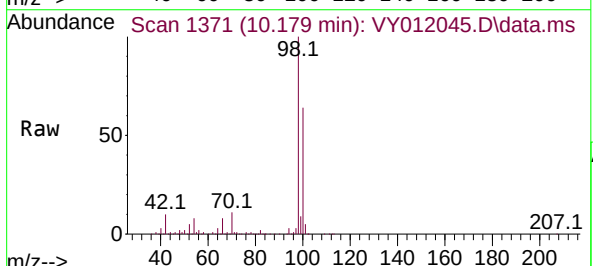
Acq: 03 Jan 2023 14:35

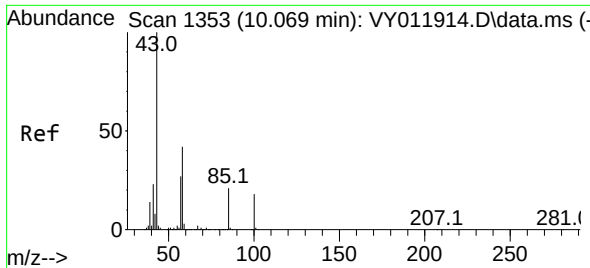
Tgt Ion: 98 Resp: 215285

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9

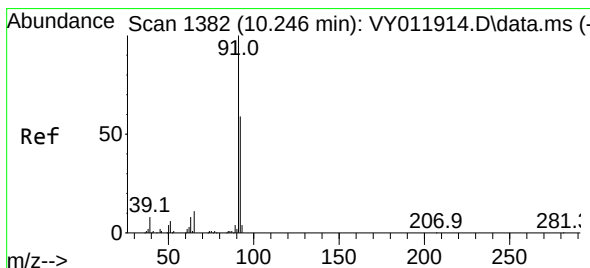
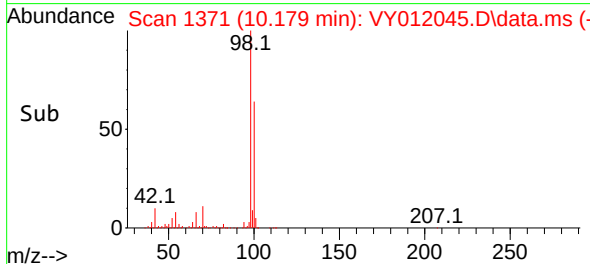
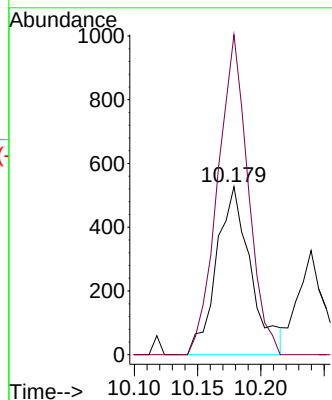
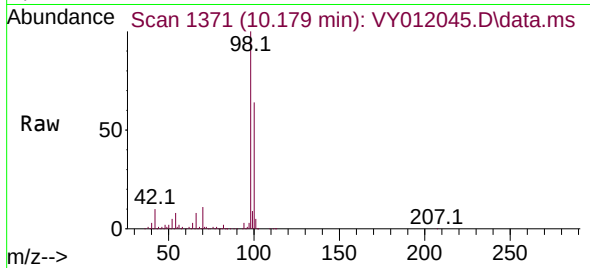




#51
4-Methyl-2-Pentanone
Concen: 1.280 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

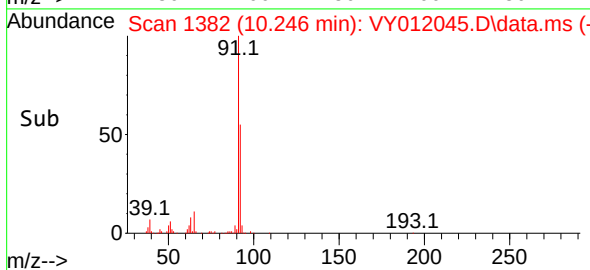
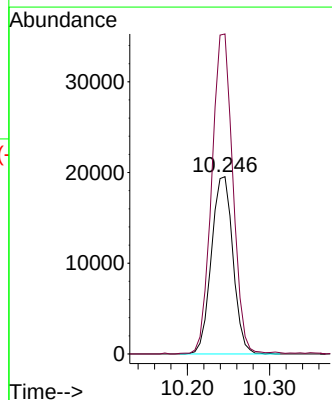
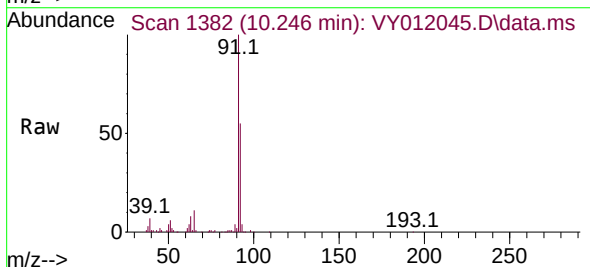
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

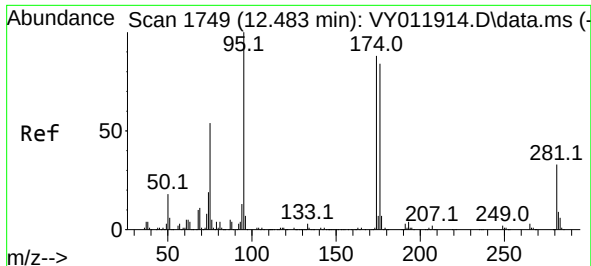
Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
58 168.5 32.9 49.3#



#52
Toluene
Concen: 10.973 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 92 Resp: 35591
Ion Ratio Lower Upper
92 100
91 177.0 137.4 206.0

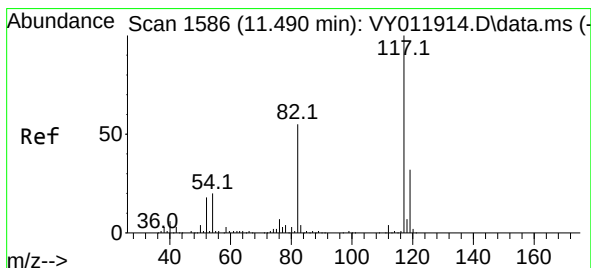
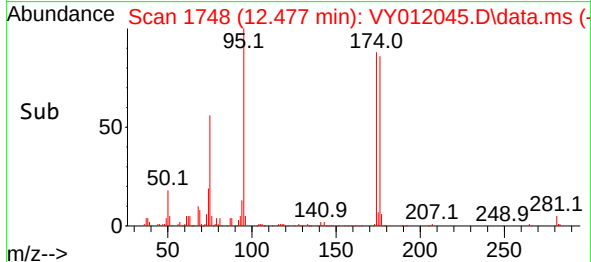
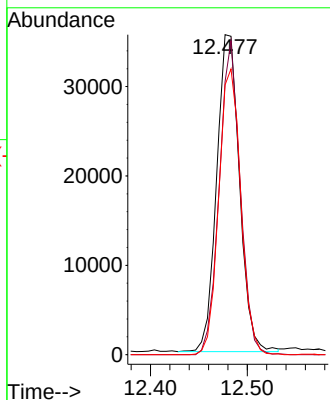
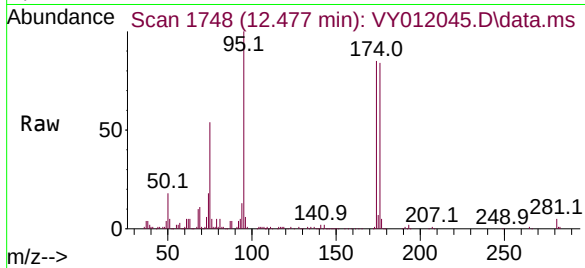




#62
4-Bromofluorobenzene
Concen: 38.382 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

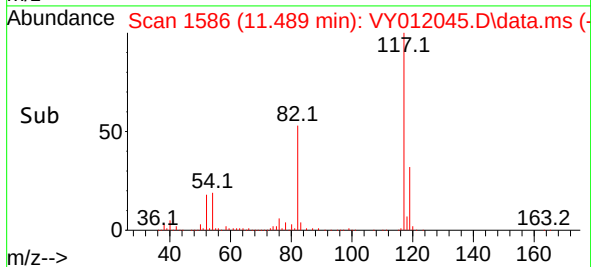
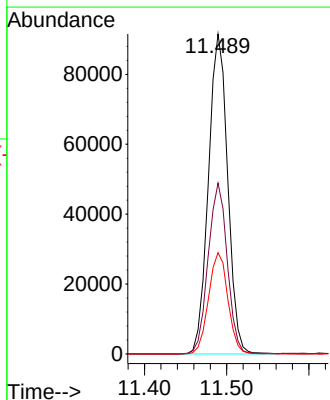
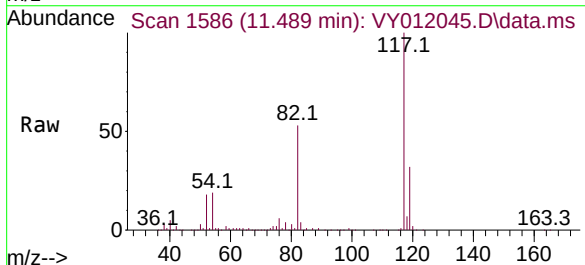
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

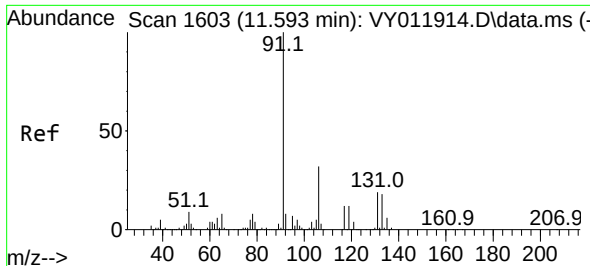
Tgt Ion: 95 Resp: 58085
Ion Ratio Lower Upper
95 100
174 90.5 0.0 172.0
176 87.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 117 Resp: 148890
Ion Ratio Lower Upper
117 100
82 53.4 44.8 67.2
119 31.7 25.4 38.2

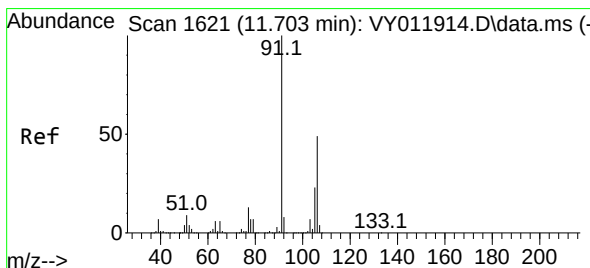
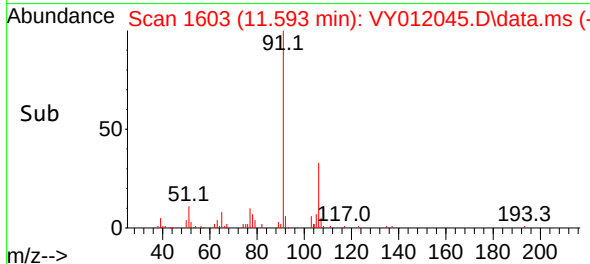
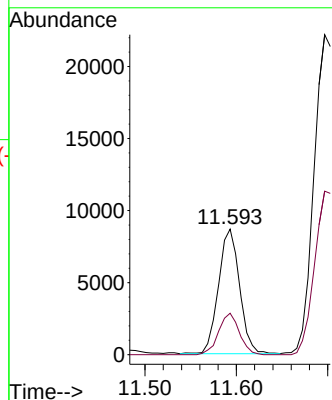
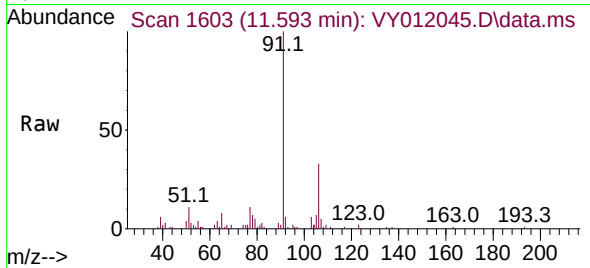




#67
Ethyl Benzene
Concen: 2.485 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

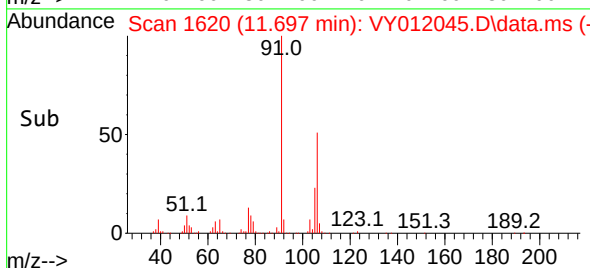
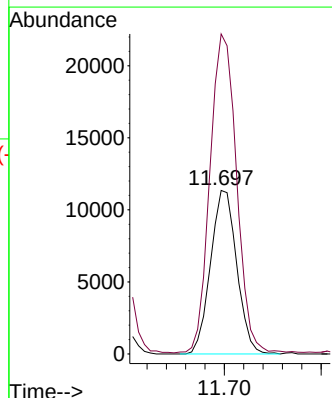
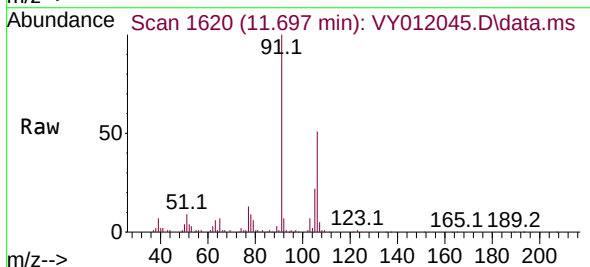
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

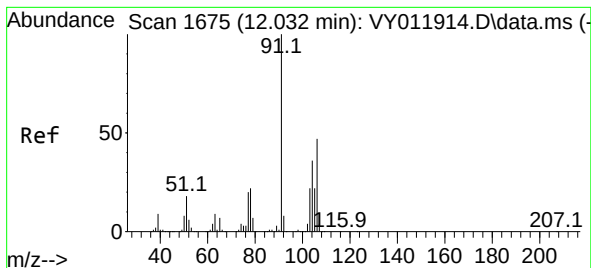
Tgt Ion: 91 Resp: 13887
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.4



#68
m/p-Xylenes
Concen: 9.823 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion:106 Resp: 21348
Ion Ratio Lower Upper
106 100
91 198.4 162.5 243.7





#69

o-Xylene

Concen: 4.711 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

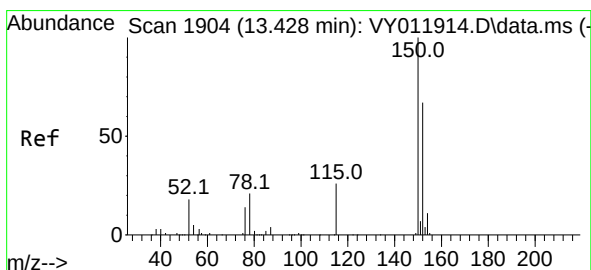
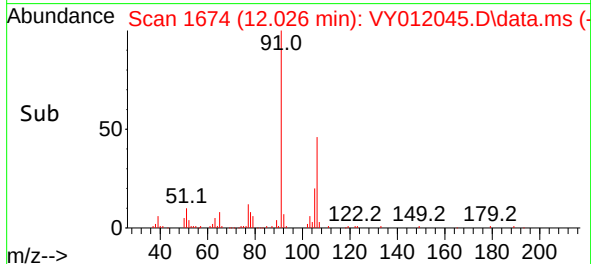
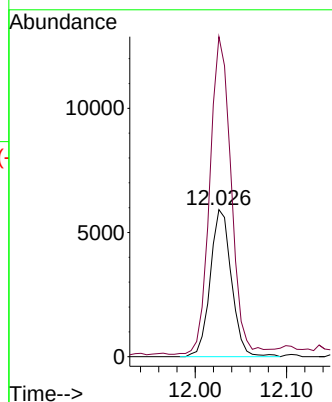
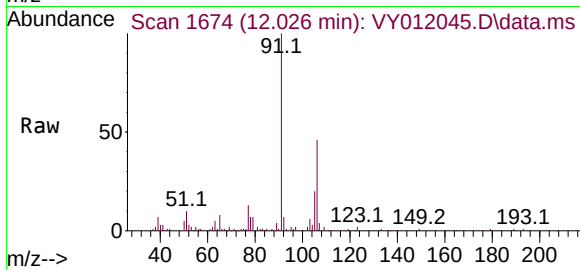
WASTE-VOC

Tgt Ion:106 Resp: 9526

Ion Ratio Lower Upper

106 100

91 217.3 107.5 322.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

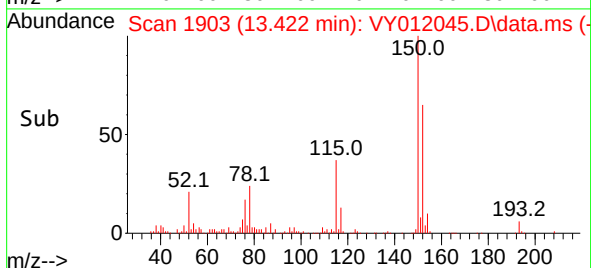
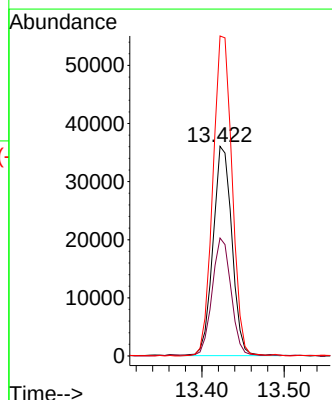
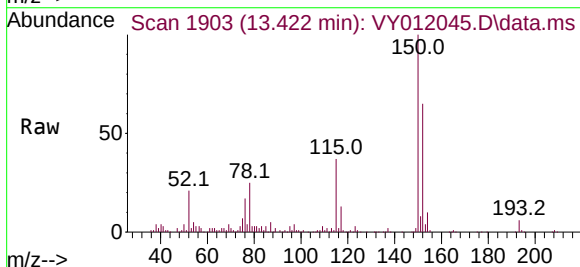
Tgt Ion:152 Resp: 57443

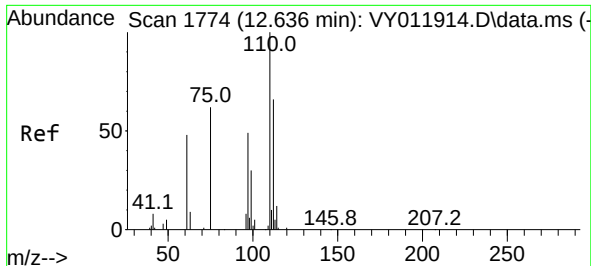
Ion Ratio Lower Upper

152 100

115 55.5 29.1 87.3

150 155.5 0.0 342.6

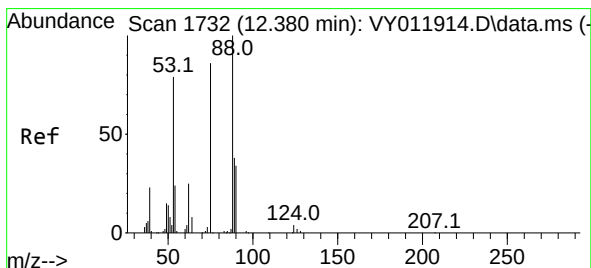
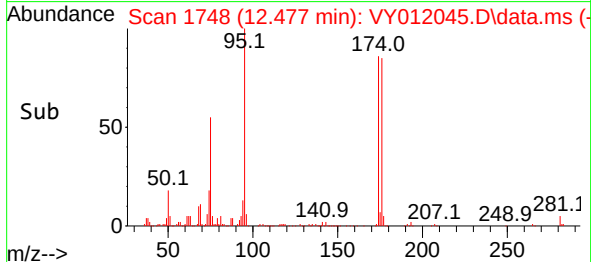
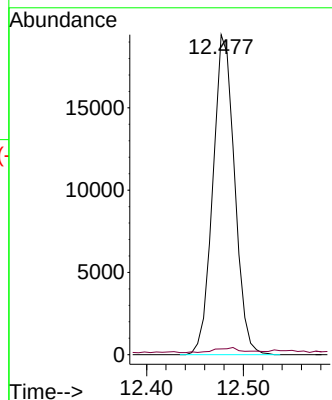
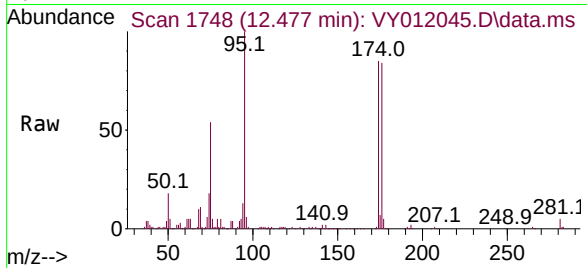




#76
1,2,3-Trichloropropane
Concen: 42.424 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

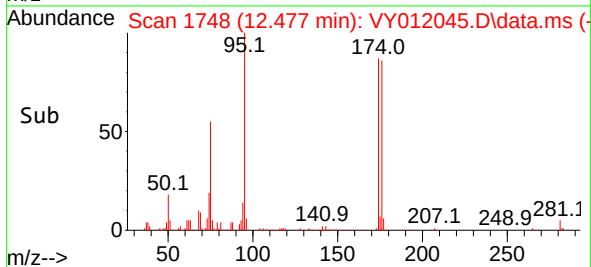
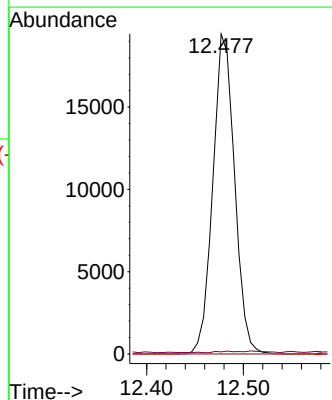
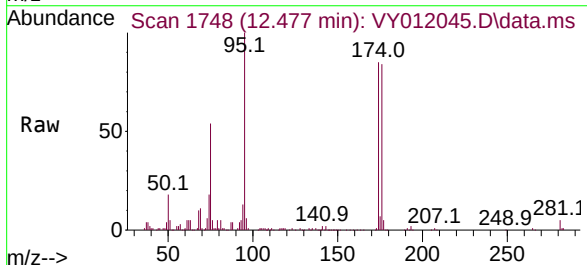
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

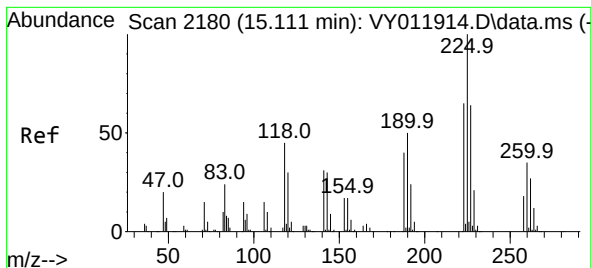
Tgt Ion: 75 Resp: 30324
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.178 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012045.D
Acq: 03 Jan 2023 14:35

Tgt Ion: 75 Resp: 30324
Ion Ratio Lower Upper
75 100
53 0.4 72.5 108.7#
89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 1.021 ug/l

RT: 15.105 min Scan# 2180

Delta R.T. -0.006 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

WASTE-VOC

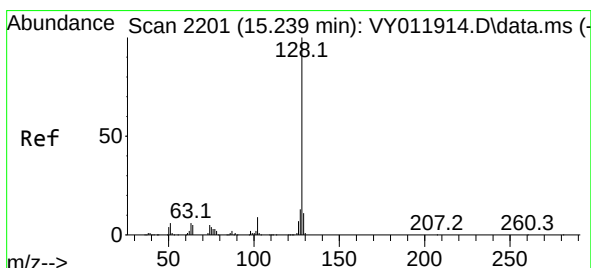
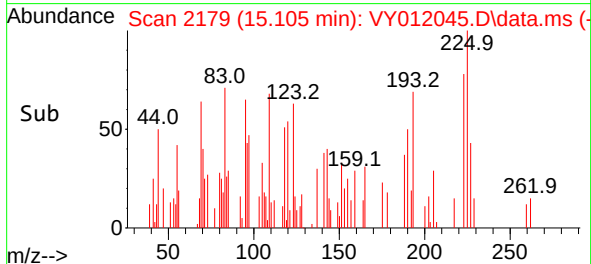
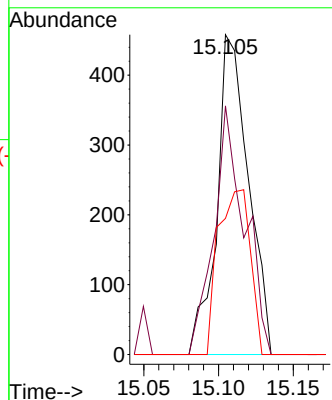
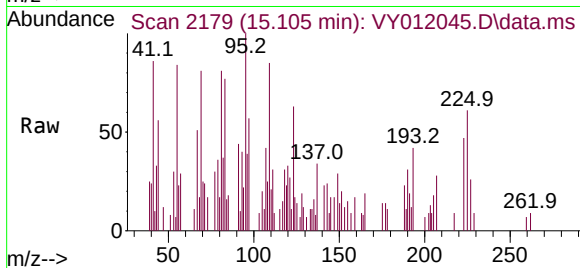
Tgt Ion:225 Resp: 671

Ion Ratio Lower Upper

225 100

223 75.6 31.4 94.2

227 52.5 32.6 97.8



#95

Naphthalene

Concen: 3.017 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY012045.D

Acq: 03 Jan 2023 14:35

Tgt Ion:128 Resp: 534

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

129 0.0 8.8 13.2#

