

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092221\
 Data File : VY006112.D
 Acq On : 22 Sep 2021 18:34
 Operator : SY/MD
 Sample : M3772-03
 Misc : 6.17G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE-PRE-CLASS

Quant Time: Sep 22 18:50:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

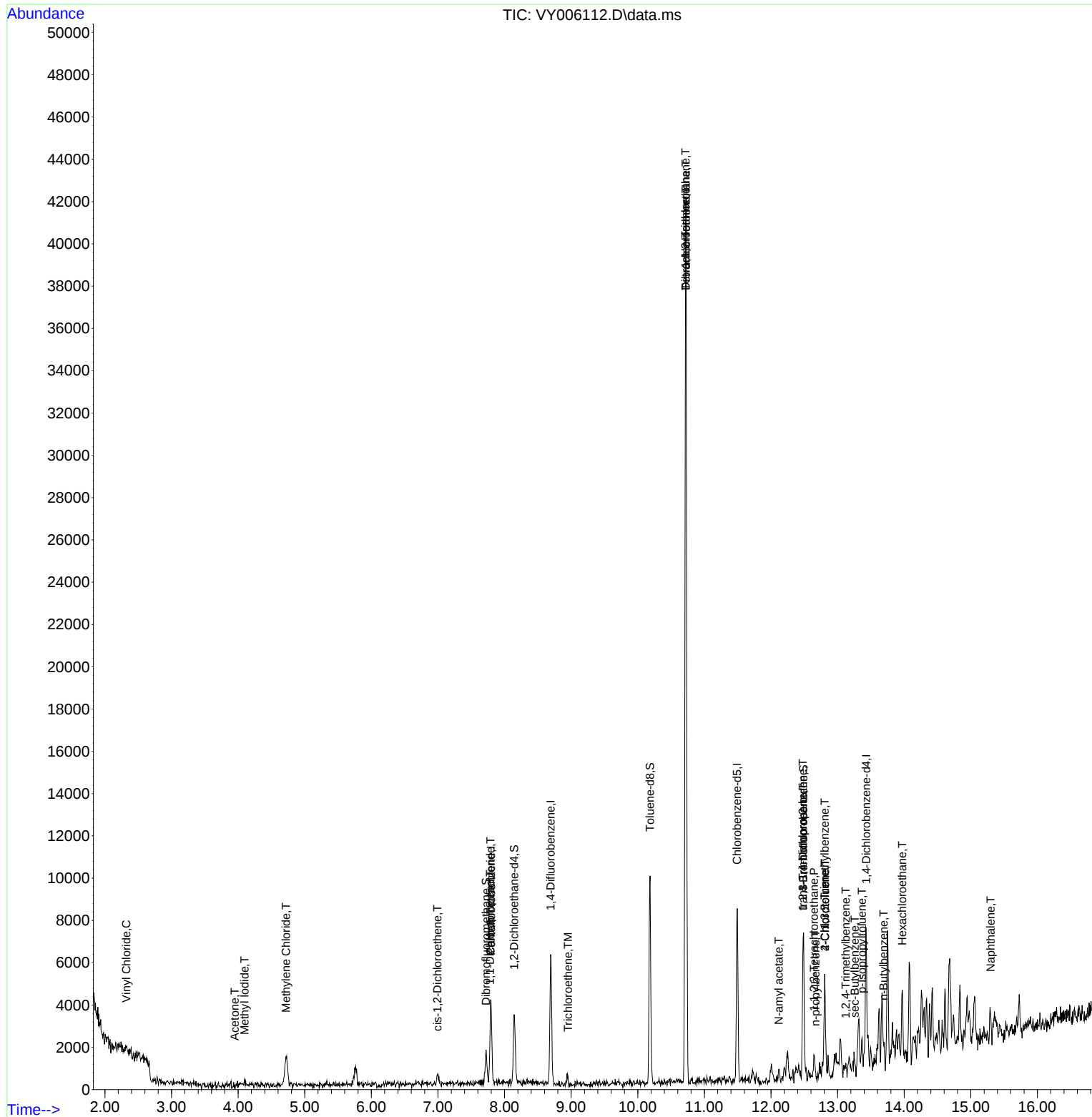
Internal Standards						
1) Pentafluorobenzene	7.795	168	3278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	4718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2600	57.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.722	113	1064	31.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.160%
50) Toluene-d8	10.185	98	6757	46.316	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.640%
62) 4-Bromofluorobenzene	12.483	95	1881	37.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.960%
Target Compounds						Qvalue
4) Vinyl Chloride	2.321	62	161	3.311	ug/l #	43
10) Methyl Iodide	4.095	142	129	3.851	ug/l #	35
16) Acetone	3.948	43	44	3.523	ug/l #	47
20) Methylene Chloride	4.716	84	977	22.519	ug/l #	85
27) cis-1,2-Dichloroethene	6.990	96	265	6.472	ug/l	79
36) 1,1-Dichloropropene	7.783	75	188	3.161	ug/l #	42
38) Carbon Tetrachloride	7.789	117	297	4.586	ug/l #	11
44) Trichloroethene	8.953	130	170	3.999	ug/l	3
55) 1,1,2-Trichloroethane	10.715	97	44	1.402	ug/l #	8
60) Dibromochloromethane	10.721	129	8193	211.735	ug/l #	11
64) Tetrachloroethene	10.721	164	9004	233.332	ug/l	92
74) N-amyl acetate	12.118	43	180	3.845	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.648	83	47	1.864	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	1068	57.868	ug/l #	100
78) n-propylbenzene	12.666	91	316	1.884	ug/l #	68
79) 2-Chlorotoluene	12.813	91	162	1.777	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.806	105	790	7.027	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	1068	106.391	ug/l #	7
82) 4-Chlorotoluene	12.813	91	162	1.719	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	278	2.493	ug/l	85
85) sec-Butylbenzene	13.258	105	399	2.772	ug/l	98
86) p-Isopropyltoluene	13.367	119	455	3.703	ug/l	96
89) n-Butylbenzene	13.690	91	410	3.568	ug/l #	66
90) Hexachloroethane	13.971	117	200	9.044	ug/l #	6
95) Naphthalene	15.300	128	98	1.417	ug/l #	36

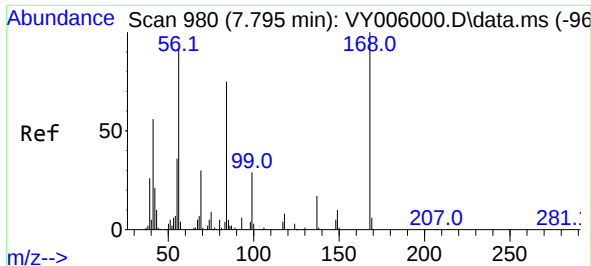
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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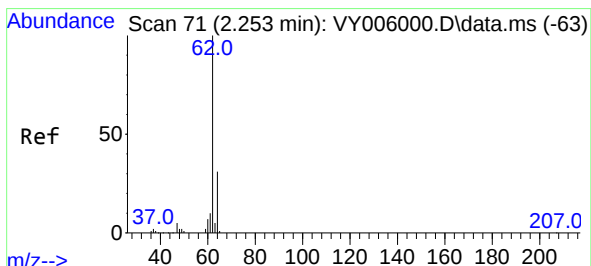
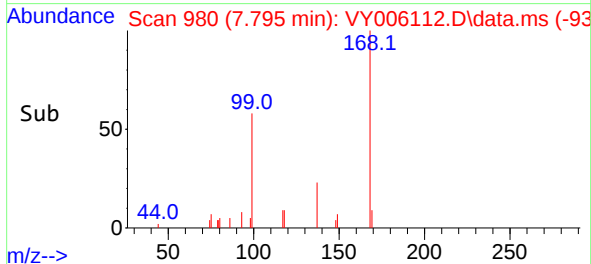
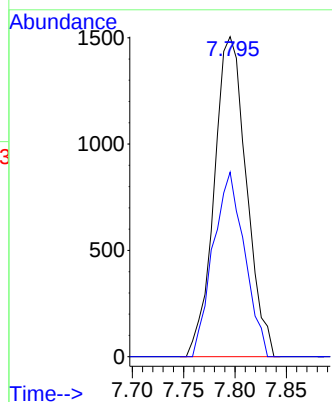
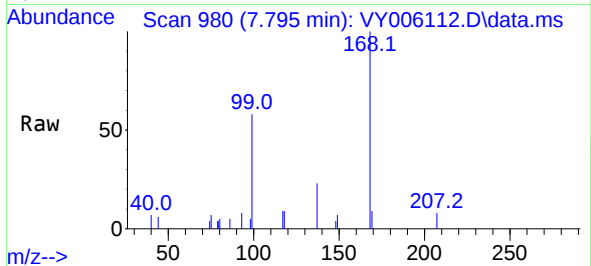




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

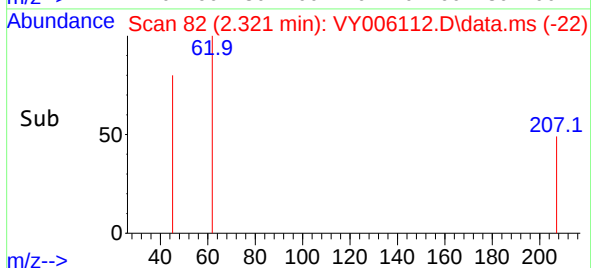
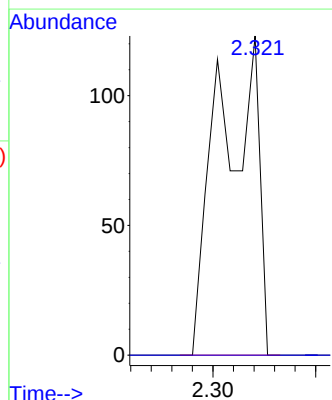
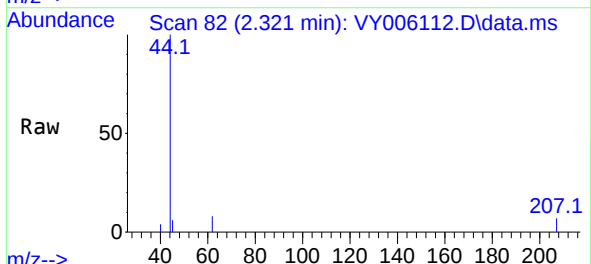
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

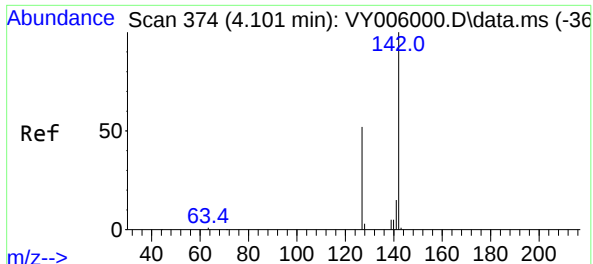
Tgt Ion:168 Resp: 3278
Ion Ratio Lower Upper
168 100
99 57.7 46.9 70.3



#4
Vinyl Chloride
Concen: 3.311 ug/l
RT: 2.321 min Scan# 82
Delta R.T. 0.067 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 62 Resp: 161
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

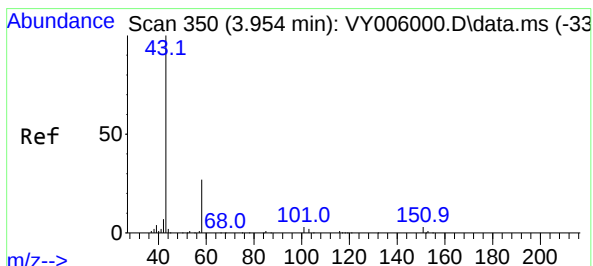
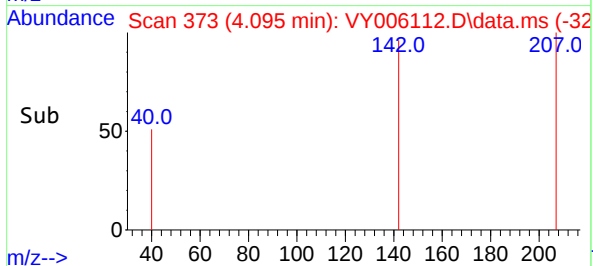
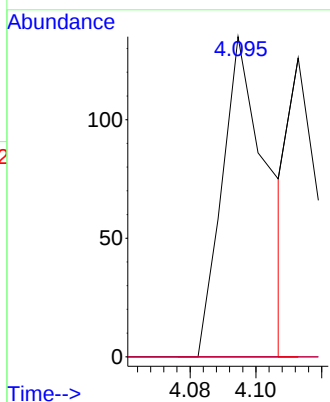
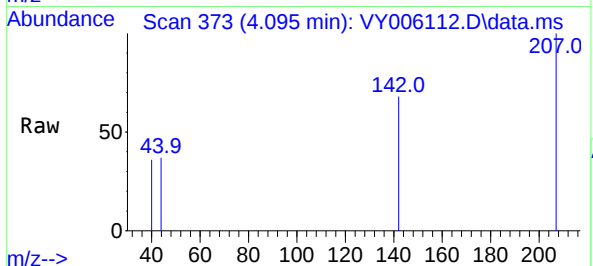




#10
Methyl Iodide
Concen: 3.851 ug/l
RT: 4.095 min Scan# 373
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

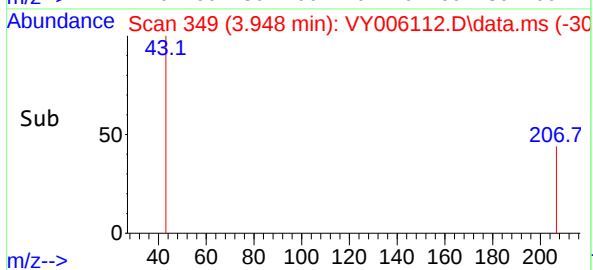
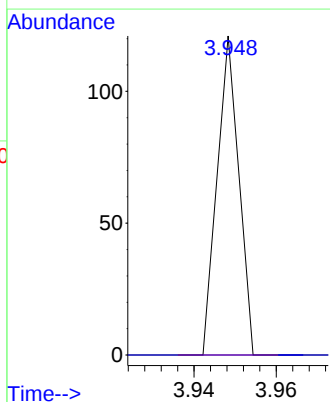
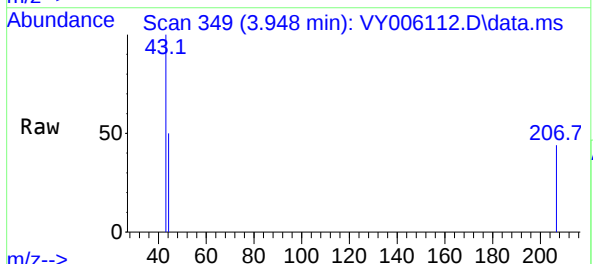
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

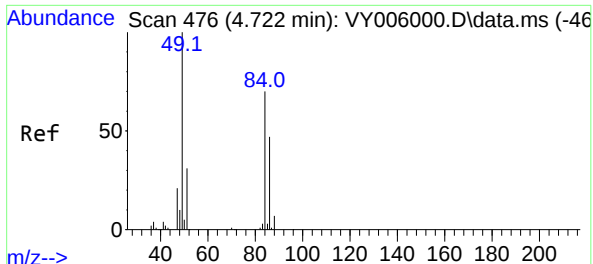
Tgt Ion:142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 3.523 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: 22.519 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY006112.D

Acq: 22 Sep 2021 18:34

Tgt Ion: 84 Resp: 977

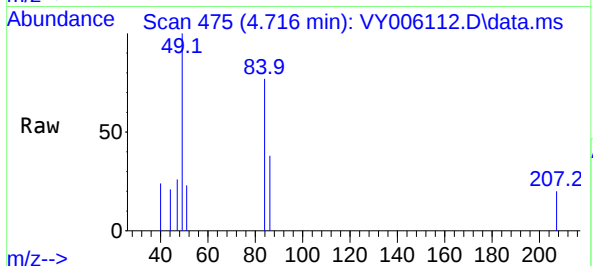
Ion Ratio Lower Upper

84 100

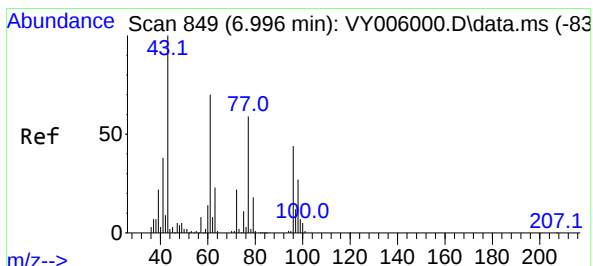
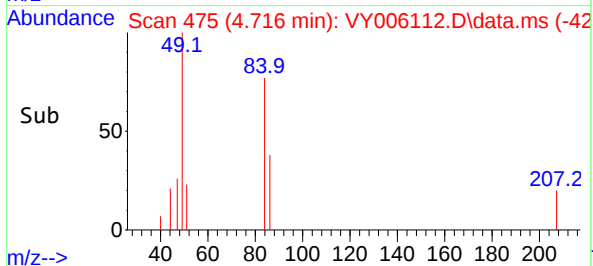
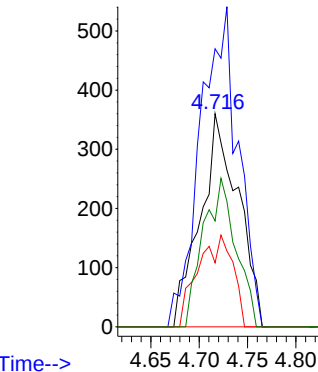
49 130.6 114.4 171.6

51 30.0 35.3 52.9#

86 49.7 53.7 80.5#



Abundance



#27

cis-1,2-Dichloroethene

Concen: 6.472 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY006112.D

Acq: 22 Sep 2021 18:34

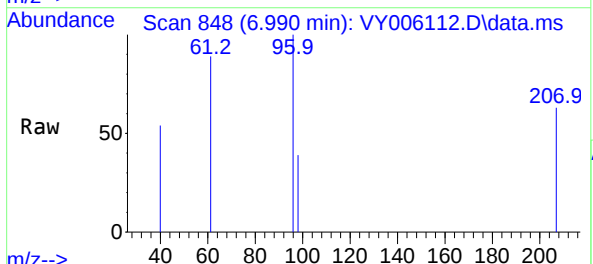
Tgt Ion: 96 Resp: 265

Ion Ratio Lower Upper

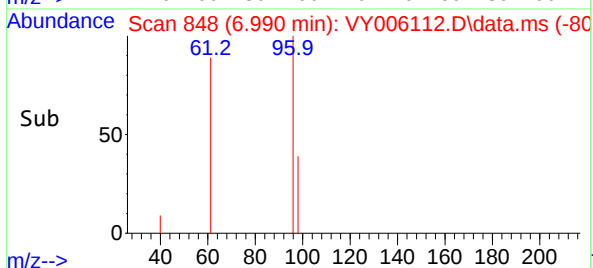
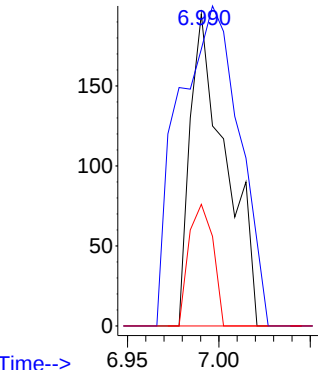
96 100

61 174.3 0.0 319.8

98 26.4 0.0 127.0



Abundance

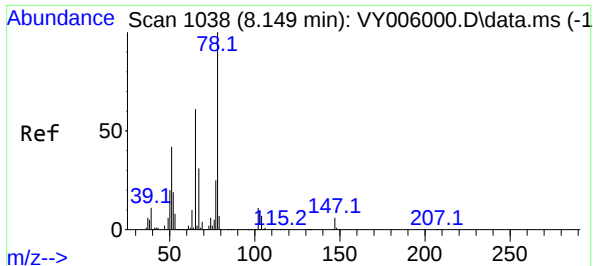


Instrument :

MSVOA_Y

ClientSampleId :

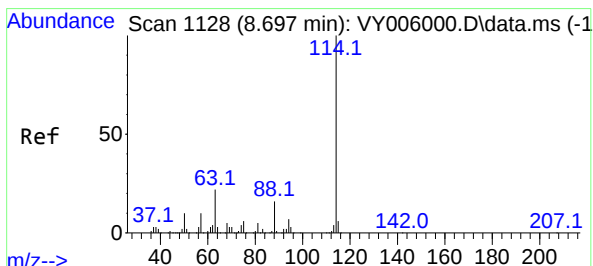
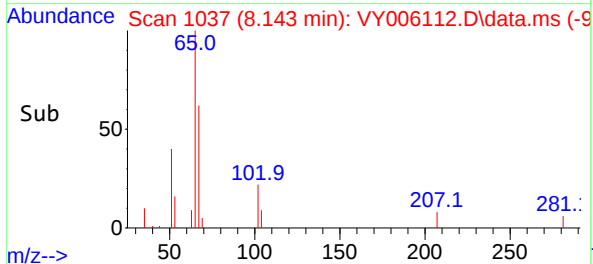
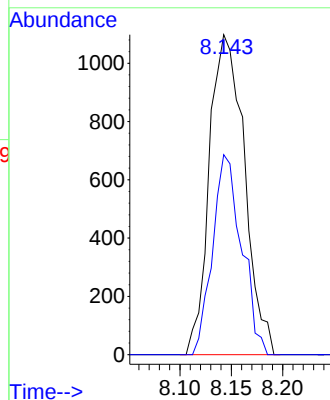
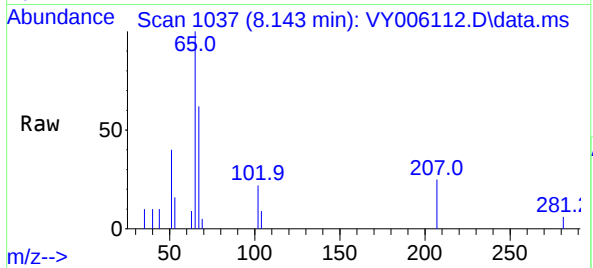
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#33
1,2-Dichloroethane-d4
Concen: 57.101 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

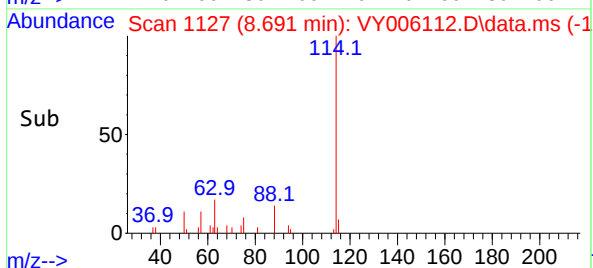
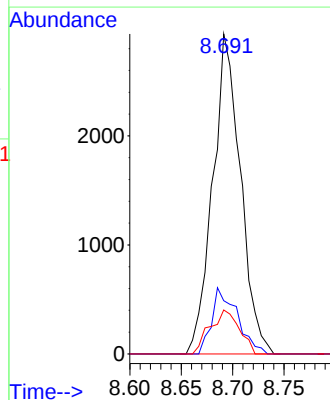
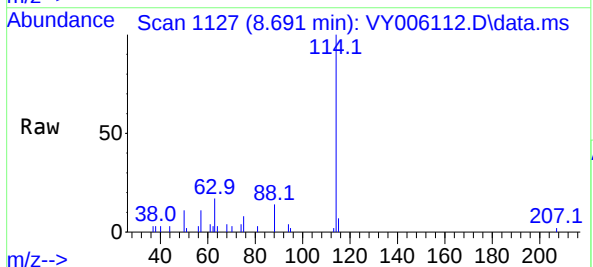
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

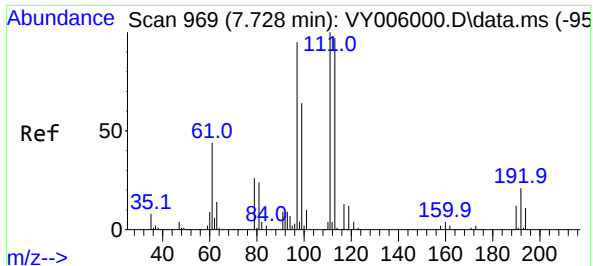
Tgt Ion: 65 Resp: 2600
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 114 Resp: 5511
Ion Ratio Lower Upper
114 100
63 16.7 0.0 43.2
88 13.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 31.084 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY006112.D

Acq: 22 Sep 2021 18:34

Instrument :

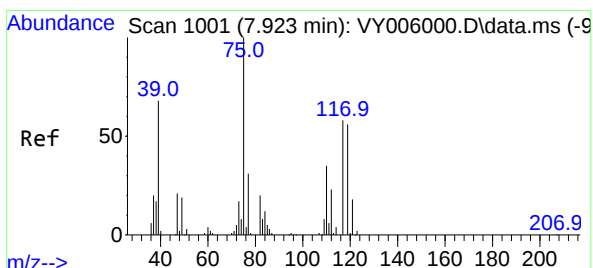
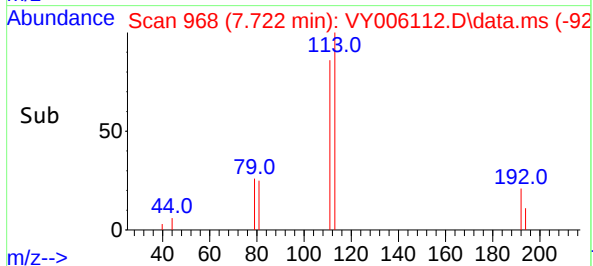
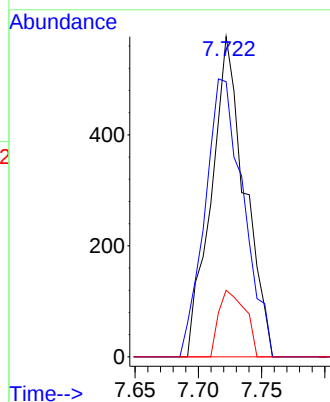
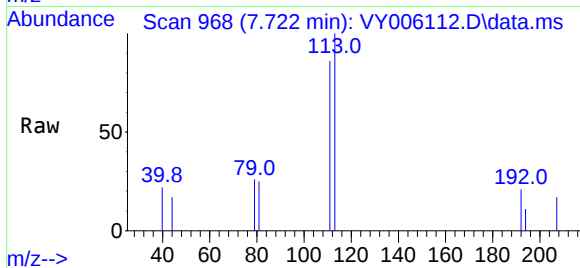
MSVOA_Y

ClientSampleId :

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Tgt Ion:113 Resp: 1064

Ion	Ratio	Lower	Upper
113	100		
111	99.4	82.6	124.0
192	16.4	17.6	26.4#



#36

1,1-Dichloropropene

Concen: 3.161 ug/l

RT: 7.783 min Scan# 978

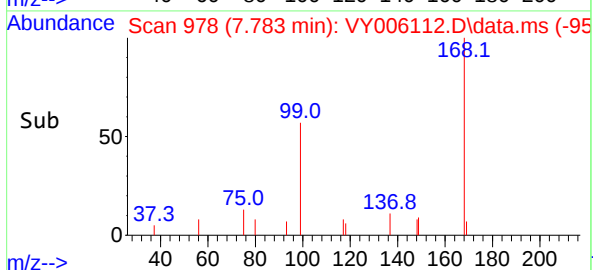
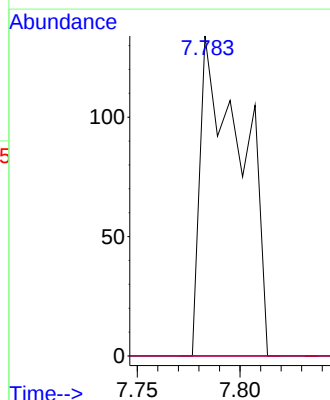
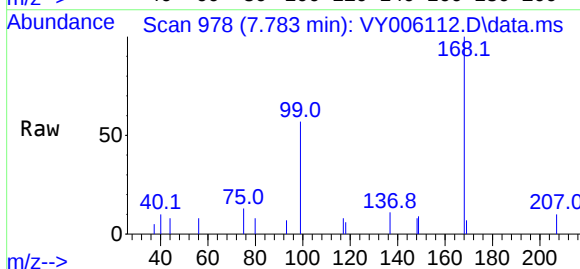
Delta R.T. -0.140 min

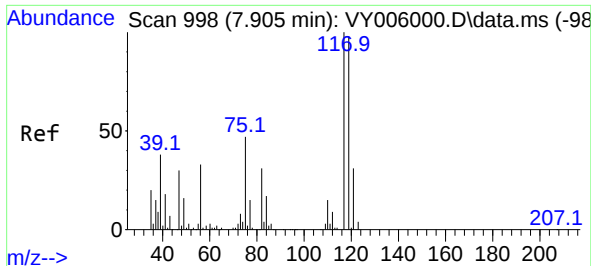
Lab File: VY006112.D

Acq: 22 Sep 2021 18:34

Tgt Ion: 75 Resp: 188

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#

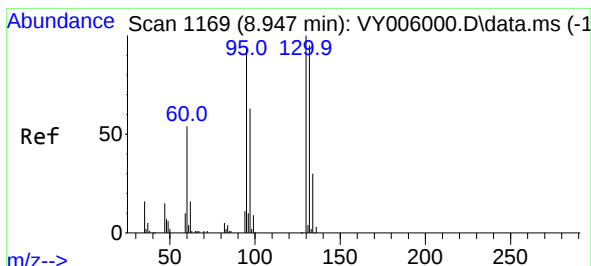
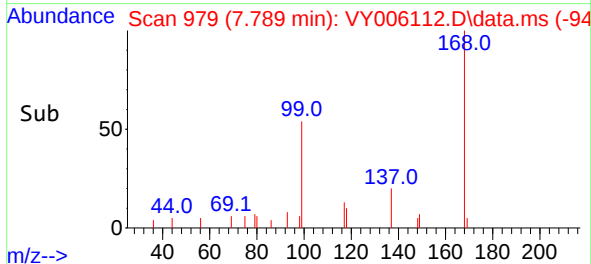
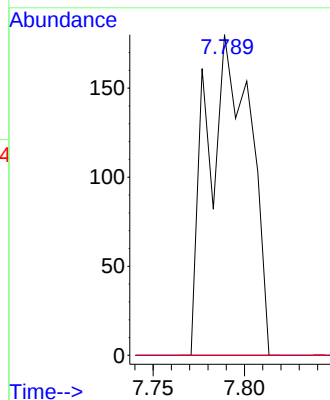
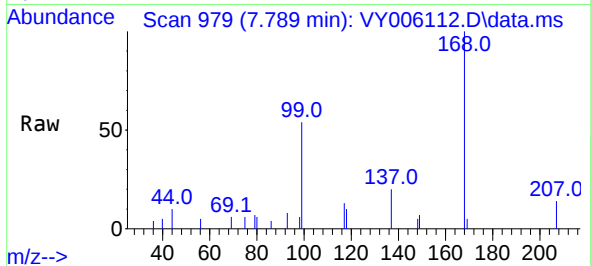




#38
Carbon Tetrachloride
Concen: 4.586 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

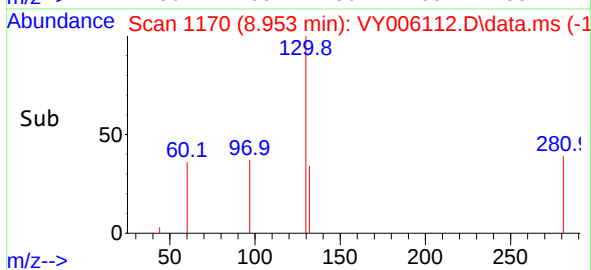
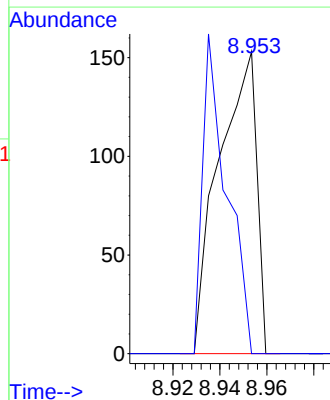
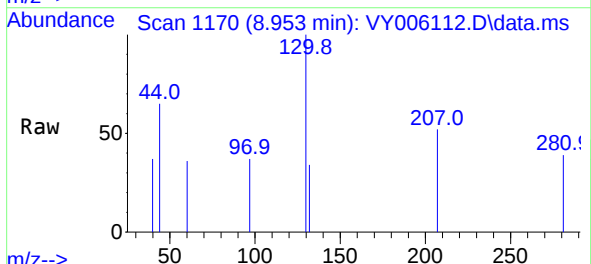
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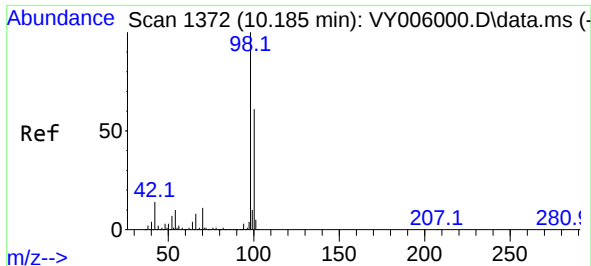
Tgt Ion:117 Resp: 297
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 3.999 ug/l
RT: 8.953 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion:130 Resp: 170
Ion Ratio Lower Upper
130 100
95 0.0 0.0 188.2

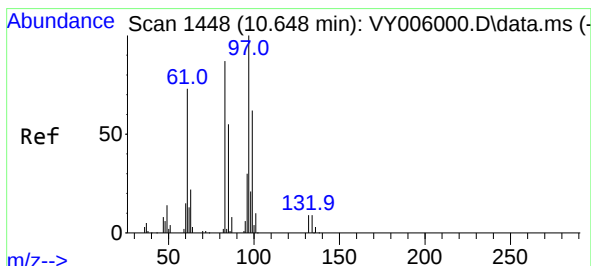
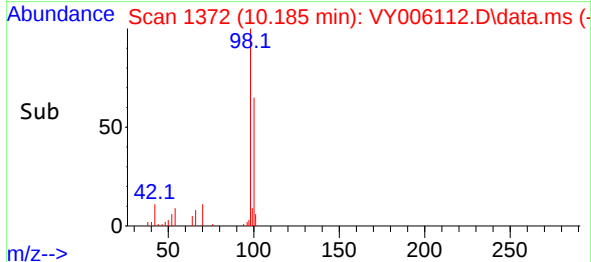
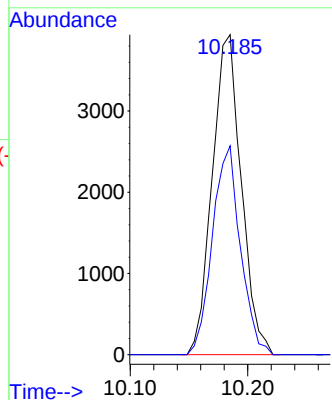
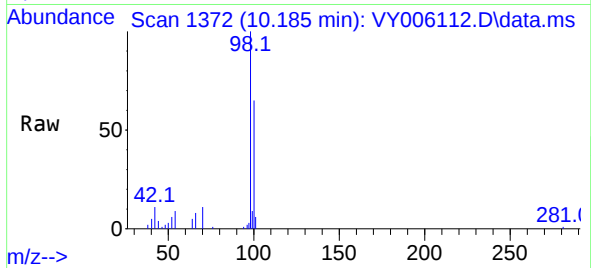




#50
Toluene-d8
Concen: 46.316 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

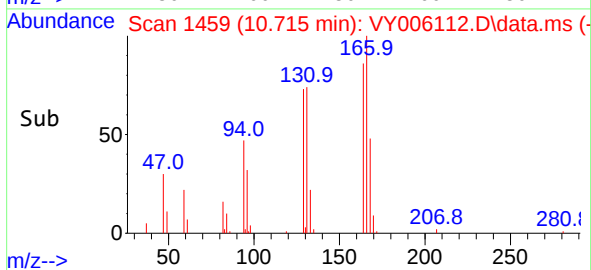
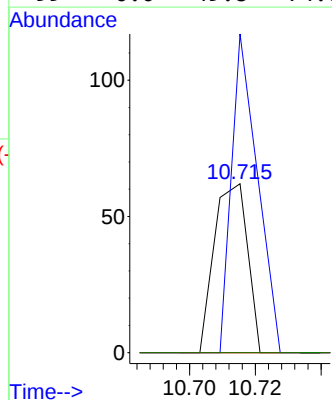
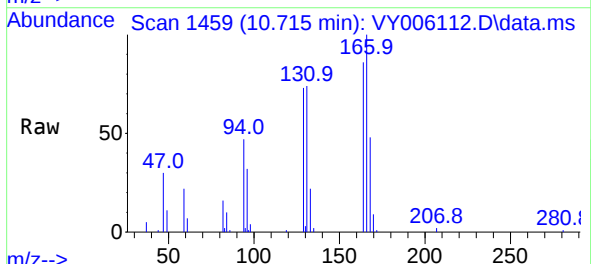
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

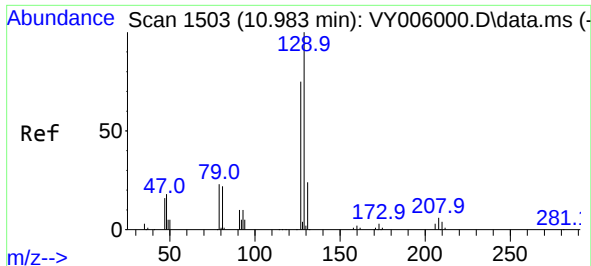
Tgt Ion: 98 Resp: 6757
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 1.402 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.067 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 97 Resp: 44
Ion Ratio Lower Upper
97 100
83 188.7 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

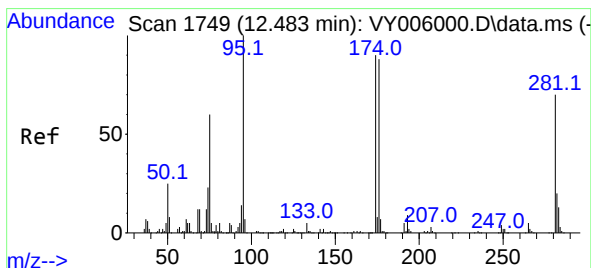
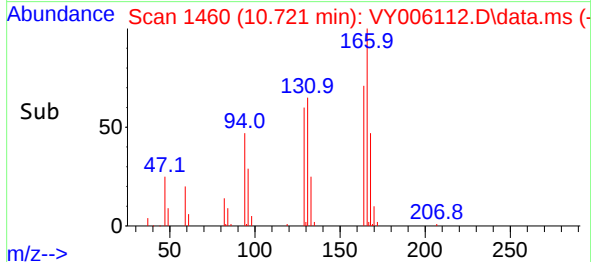
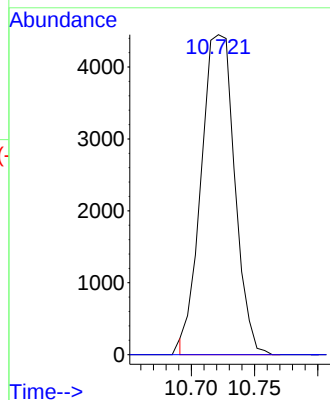
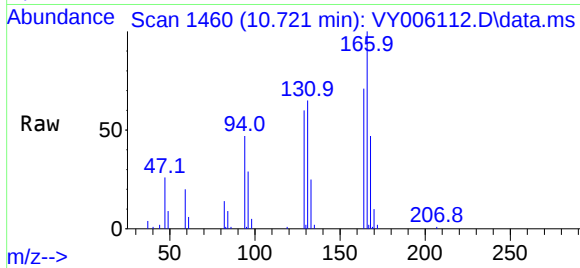




#60
Dibromochloromethane
Concen: 211.735 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

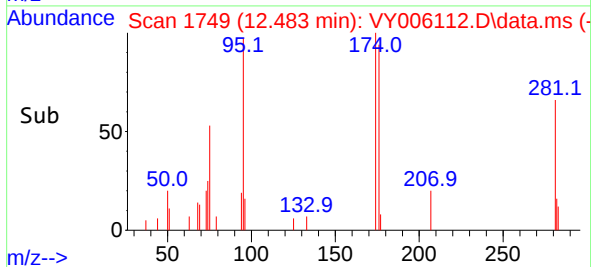
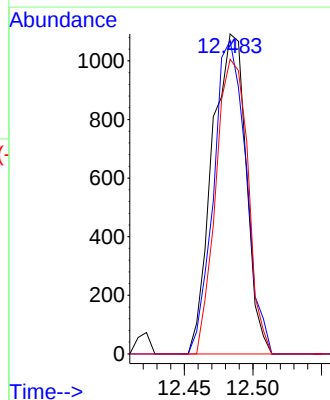
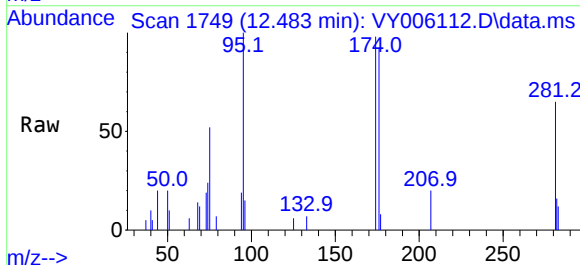
Instrument :
MSVOA_Y
ClientSampleId :
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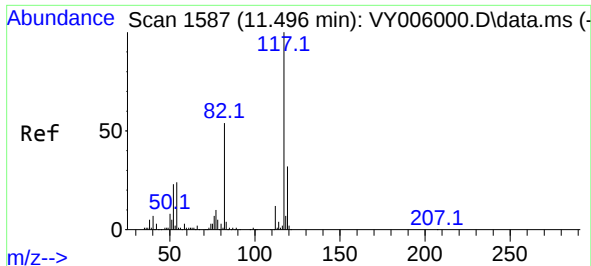
Tgt Ion:129 Resp: 8193
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 37.976 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 95 Resp: 1881
Ion Ratio Lower Upper
95 100
174 93.5 0.0 177.0
176 86.9 0.0 175.8

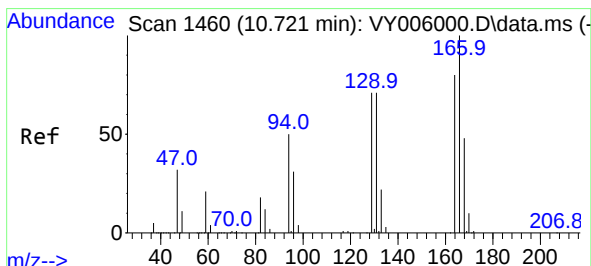
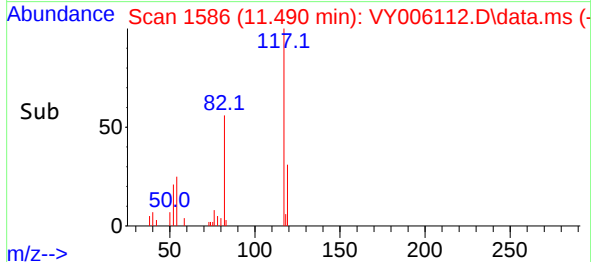
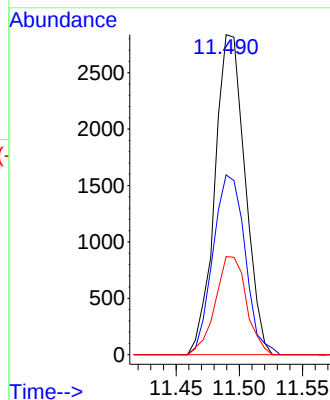
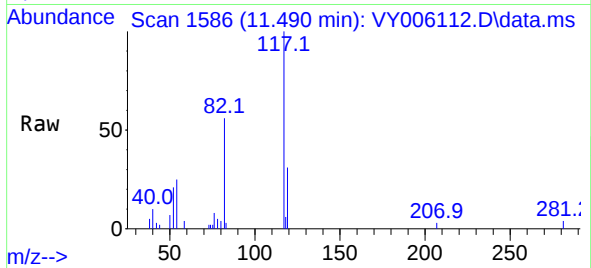




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

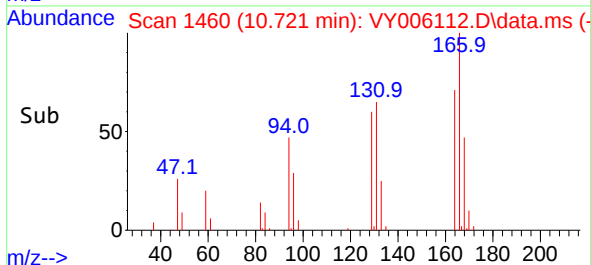
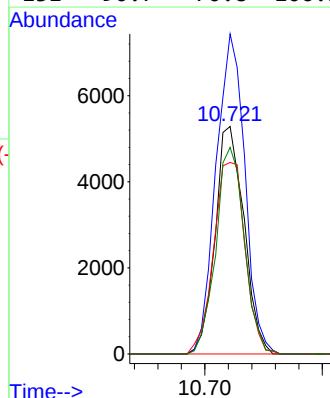
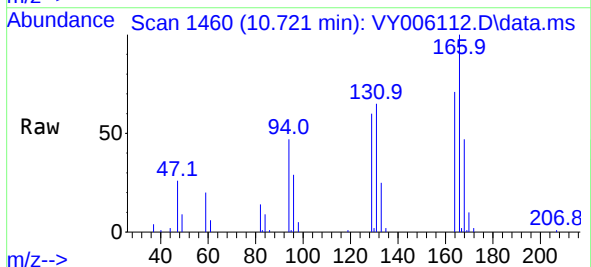
Instrument :
MSVOA_Y
ClientSampleId :
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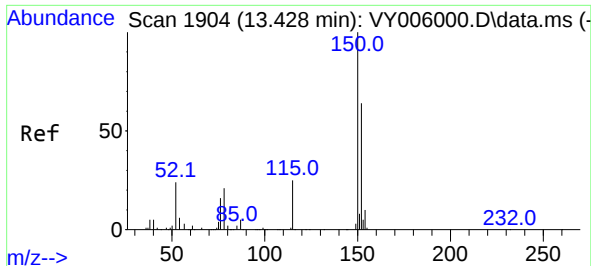
Tgt Ion:	117	Resp:	4718
Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.0	64.4
119	30.6	25.4	38.0



#64
Tetrachloroethene
Concen: 233.332 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion:	164	Resp:	9004
Ion	Ratio	Lower	Upper
164	100		
166	140.6	100.4	150.6
129	84.2	71.4	107.0
131	90.7	70.8	106.2

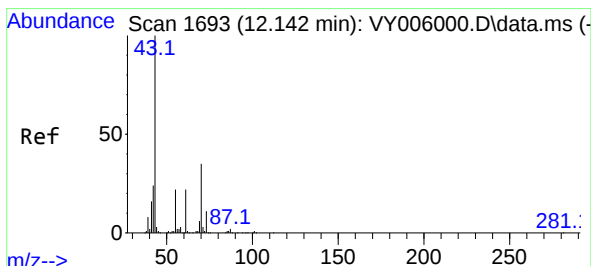
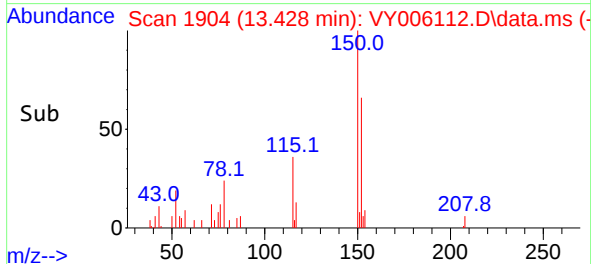
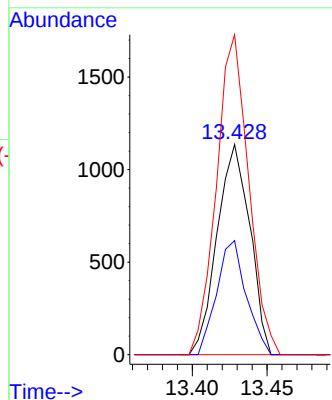
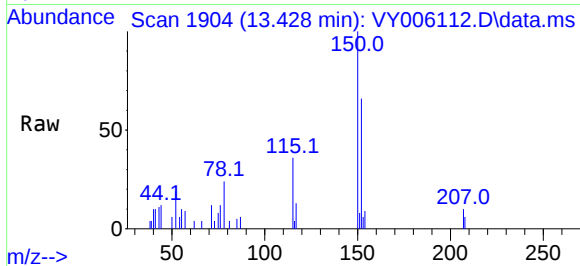




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

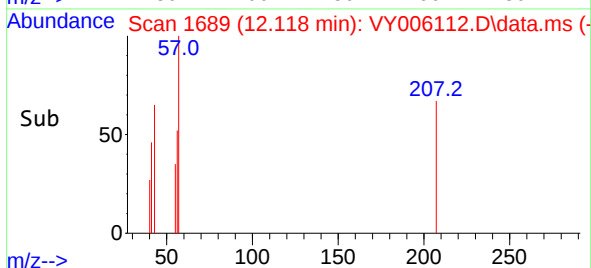
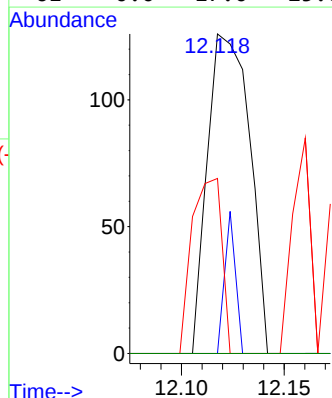
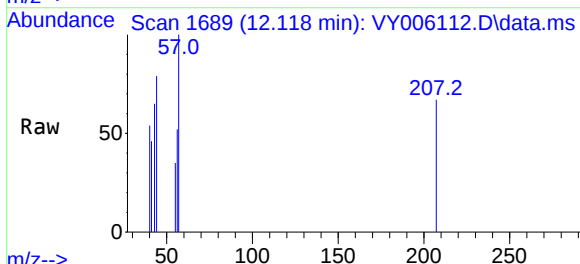
Instrument :
MSVOA_Y
ClientSampleId :
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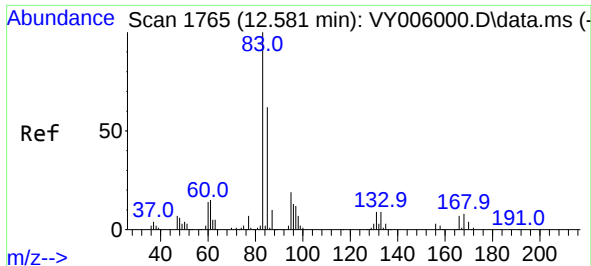
Tgt Ion:	152	Resp:	1731
Ion	Ratio	Lower	Upper
152	100		
115	48.9	28.2	84.7
150	149.5	0.0	347.6



#74
N-ethyl acetate
Concen: 3.845 ug/l
RT: 12.118 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion:	43	Resp:	180
Ion	Ratio	Lower	Upper
43	100		
70	11.1	28.7	43.1#
55	38.9	17.3	25.9#
61	0.0	17.0	25.6#

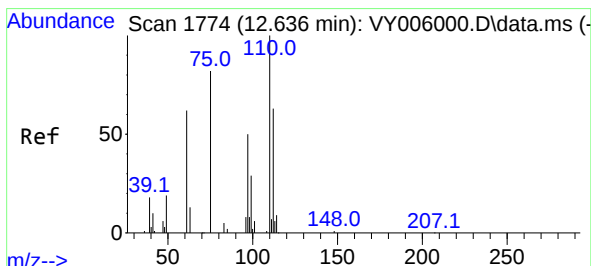
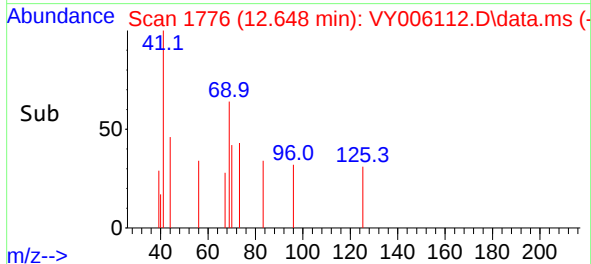
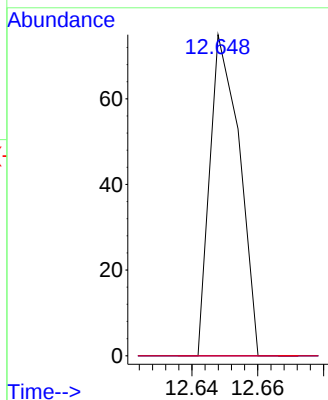
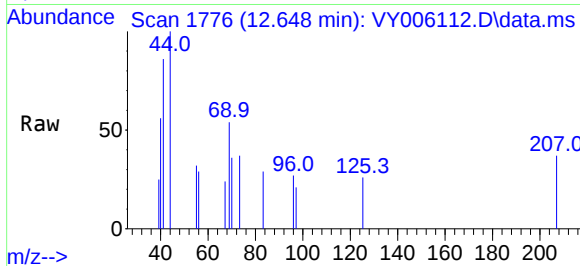




#75
1,1,2,2-Tetrachloroethane
Concen: 1.864 ug/l
RT: 12.648 min Scan# 1776
Delta R.T. 0.067 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

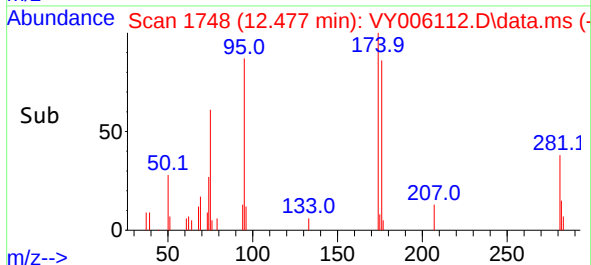
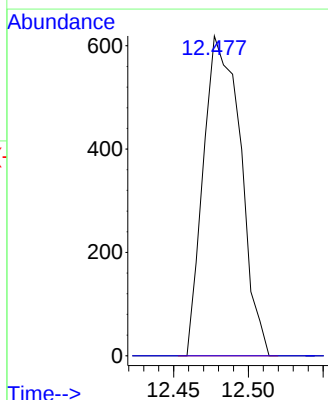
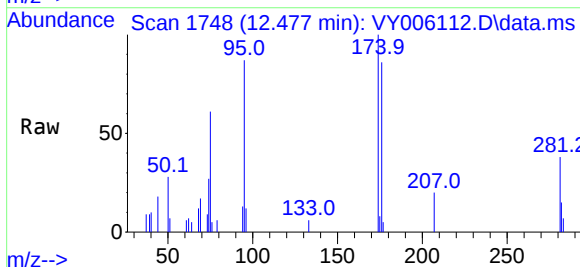
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

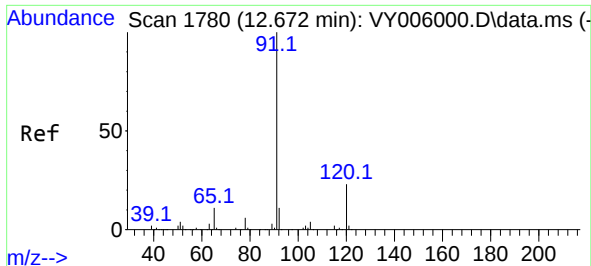
Tgt Ion:	83	Resp:	47
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	0.0	32.3	96.8#



#76
1,2,3-Trichloropropane
Concen: 57.868 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion:	75	Resp:	1068
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

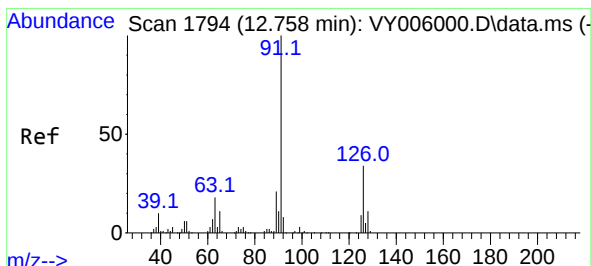
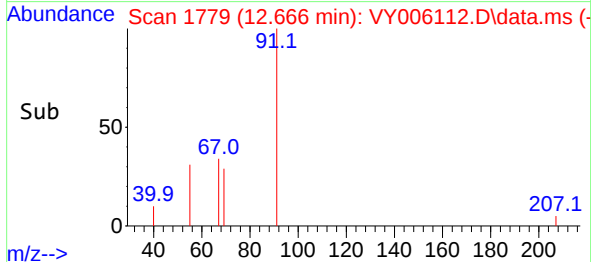
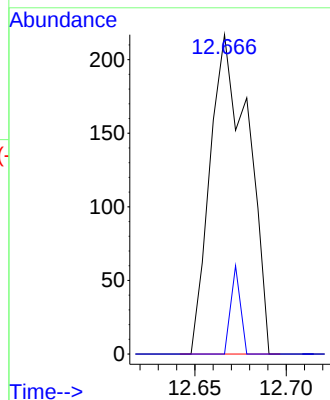
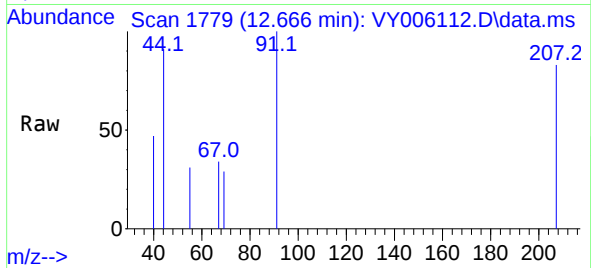




#78
n-propylbenzene
Concen: 1.884 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

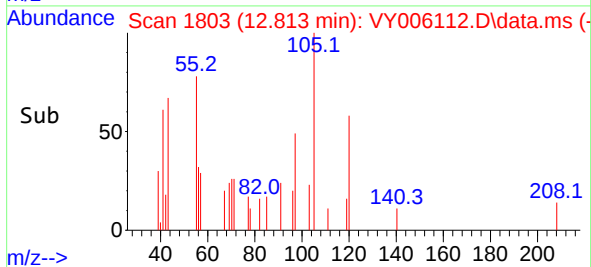
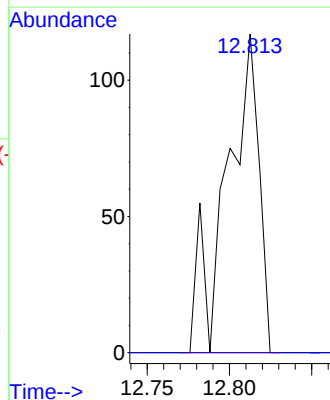
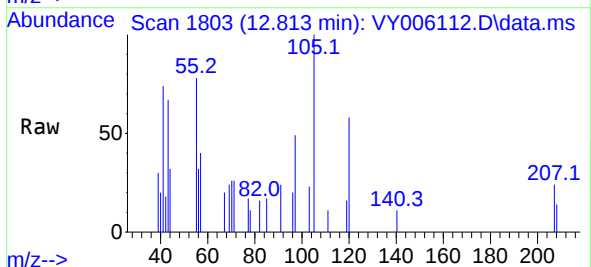
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

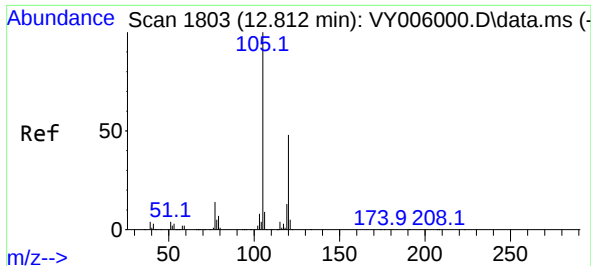
Tgt Ion: 91 Resp: 316
Ion Ratio Lower Upper
91 100
120 7.0 11.3 33.9#



#79
2-Chlorotoluene
Concen: 1.777 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.055 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 91 Resp: 162
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

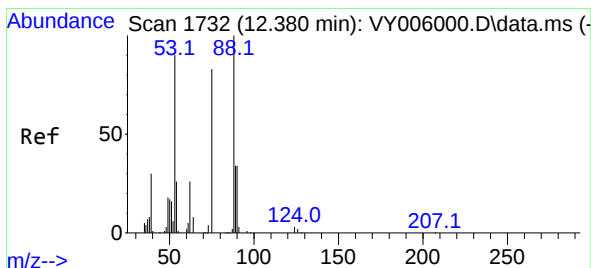
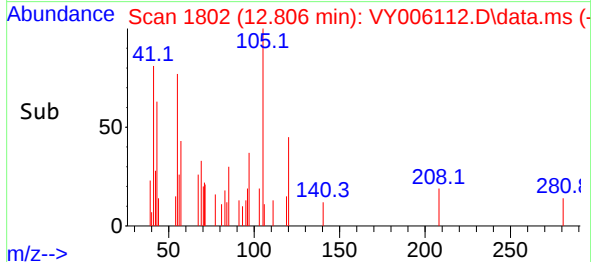
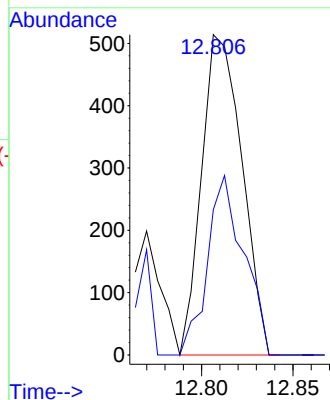
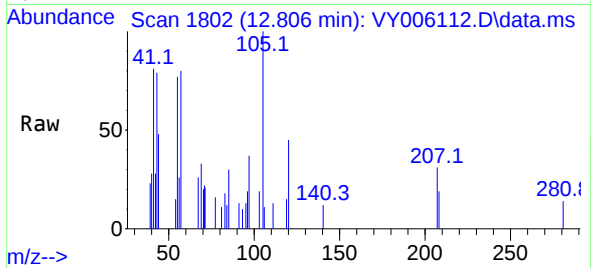




#80
1,3,5-Trimethylbenzene
Concen: 7.027 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

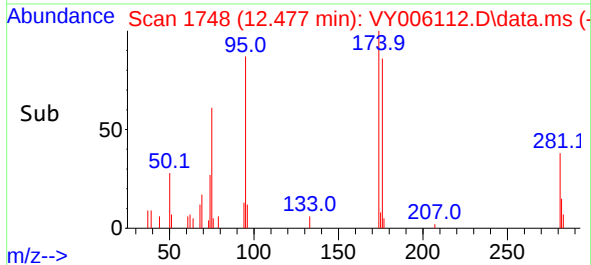
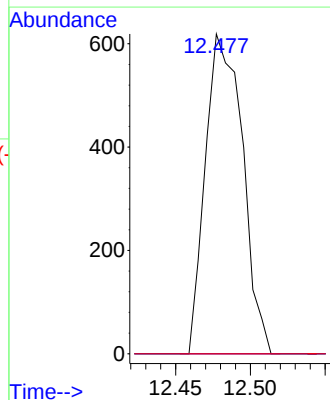
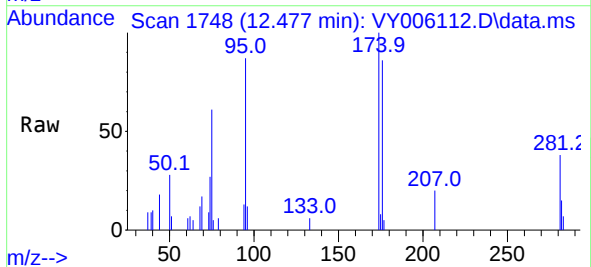
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

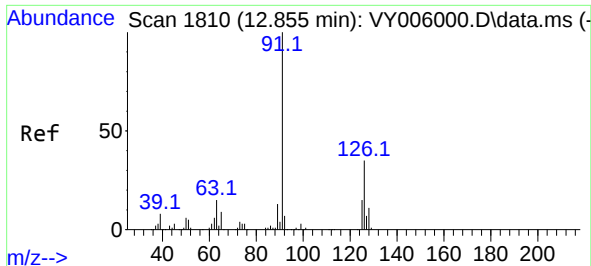
Tgt Ion:105 Resp: 790
Ion Ratio Lower Upper
105 100
120 50.4 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 106.391 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 75 Resp: 1068
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

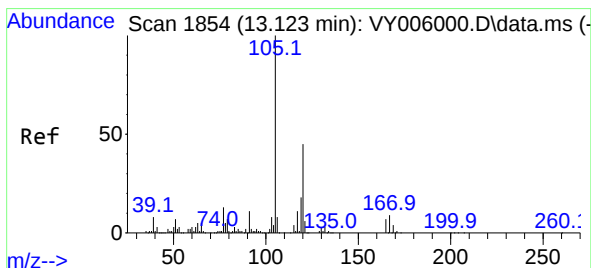
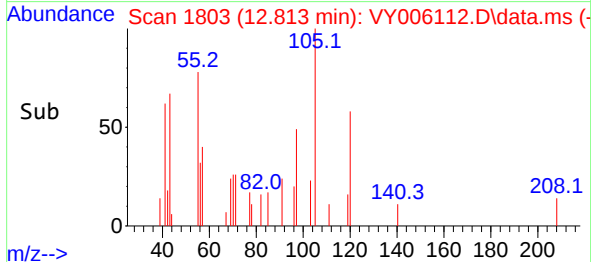
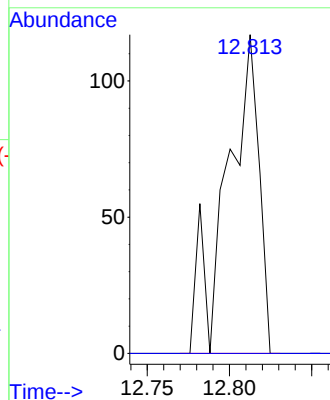
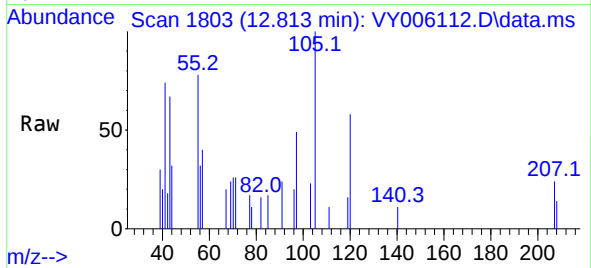




#82
4-Chlorotoluene
Concen: 1.719 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

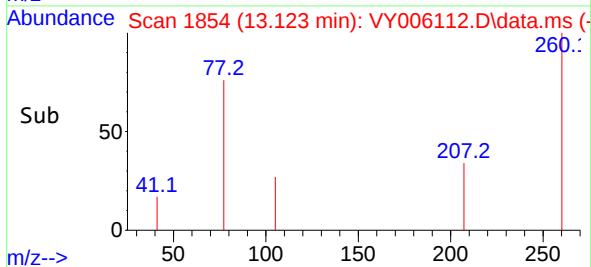
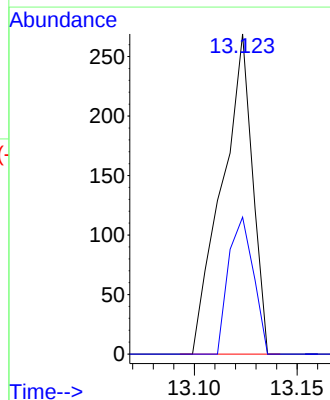
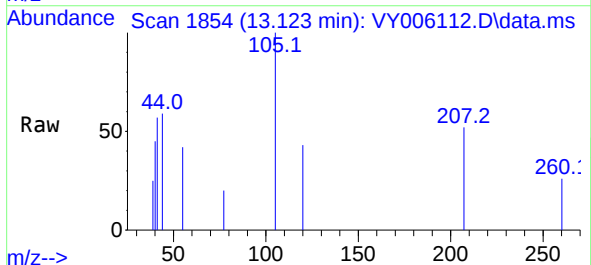
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

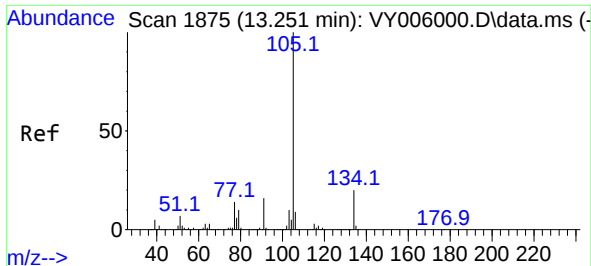
Tgt Ion: 91 Resp: 162
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.493 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion: 105 Resp: 278
Ion Ratio Lower Upper
105 100
120 34.9 22.3 66.9

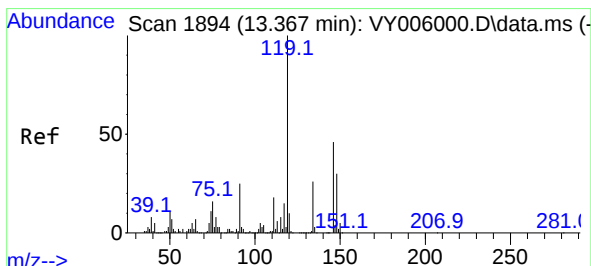
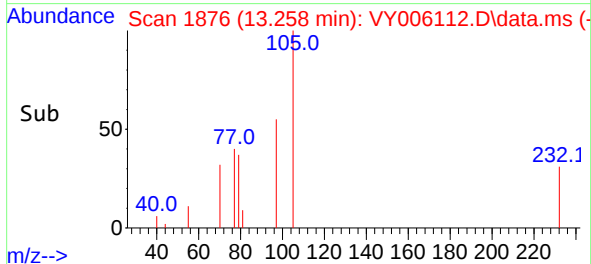
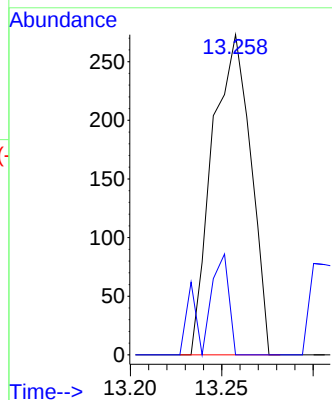
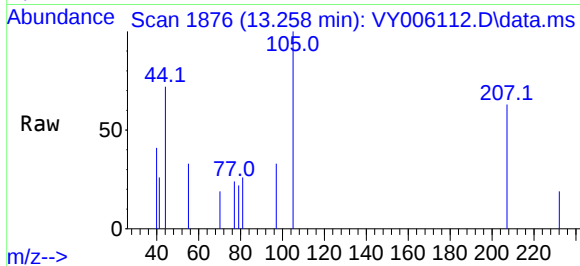




#85
sec-Butylbenzene
Concen: 2.772 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

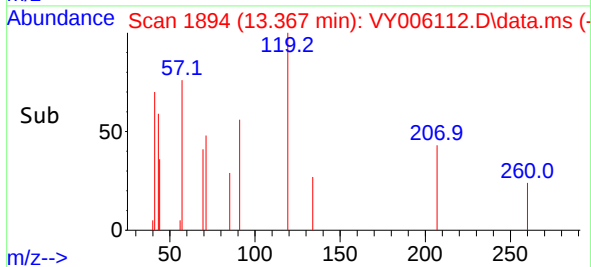
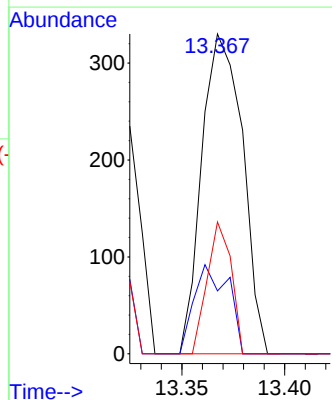
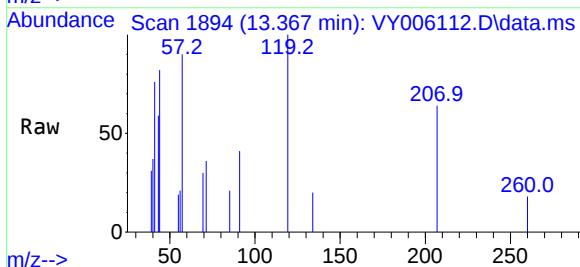
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

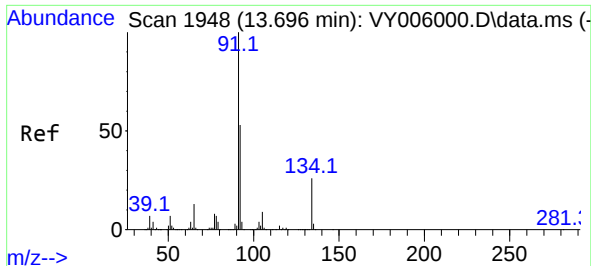
Tgt Ion:105 Resp: 399
Ion Ratio Lower Upper
105 100
134 19.5 10.2 30.4



#86
p-Isopropyltoluene
Concen: 3.703 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion:119 Resp: 455
Ion Ratio Lower Upper
119 100
134 23.1 13.2 39.5
91 24.2 12.4 37.2

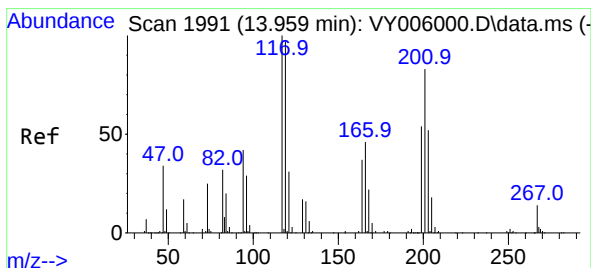
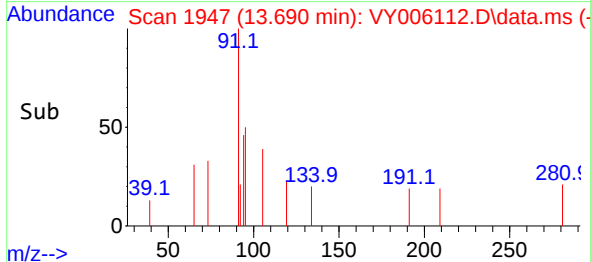
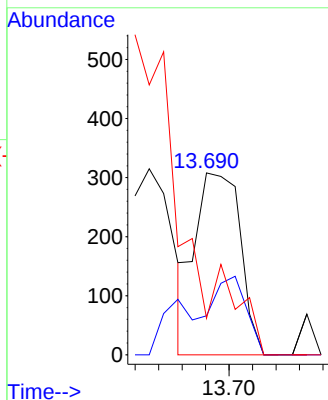
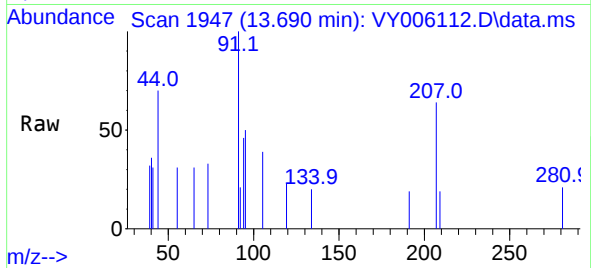




#89
n-Butylbenzene
Concen: 3.568 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

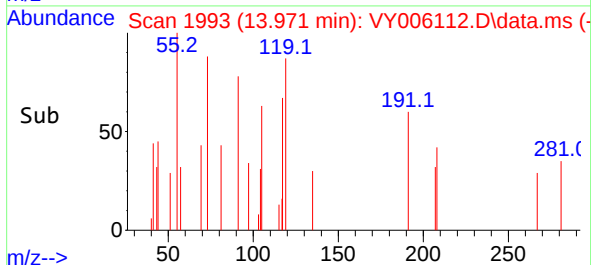
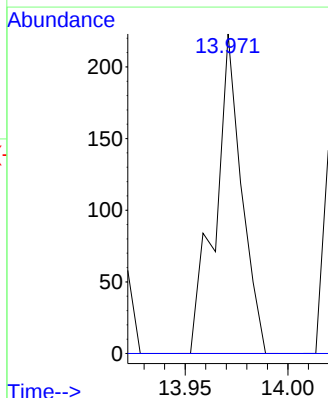
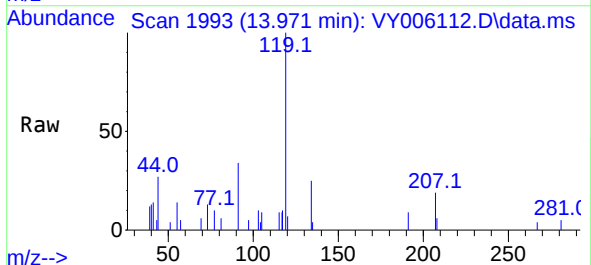
Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

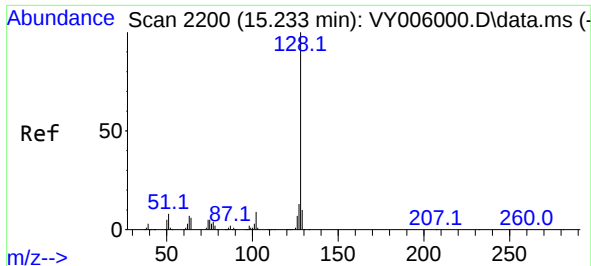
Tgt Ion:	91	Resp:	410
Ion	Ratio	Lower	Upper
91	100		
92	34.4	26.3	78.9
134	0.0	13.0	38.9#



#90
Hexachloroethane
Concen: 9.044 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Tgt Ion:	117	Resp:	200
Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.0	128.8#





#95
Naphthalene
Concen: 1.417 ug/l
RT: 15.300 min Scan# 2211
Delta R.T. 0.067 min
Lab File: VY006112.D
Acq: 22 Sep 2021 18:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-PRE-CLASS

Tgt Ion:	128	Resp:	98
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	49.0	8.4	12.6#

