

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004786.D
 Acq On : 14 May 2021 16:31
 Operator : SY/MD
 Sample : M2392-16
 Misc : 5.10G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

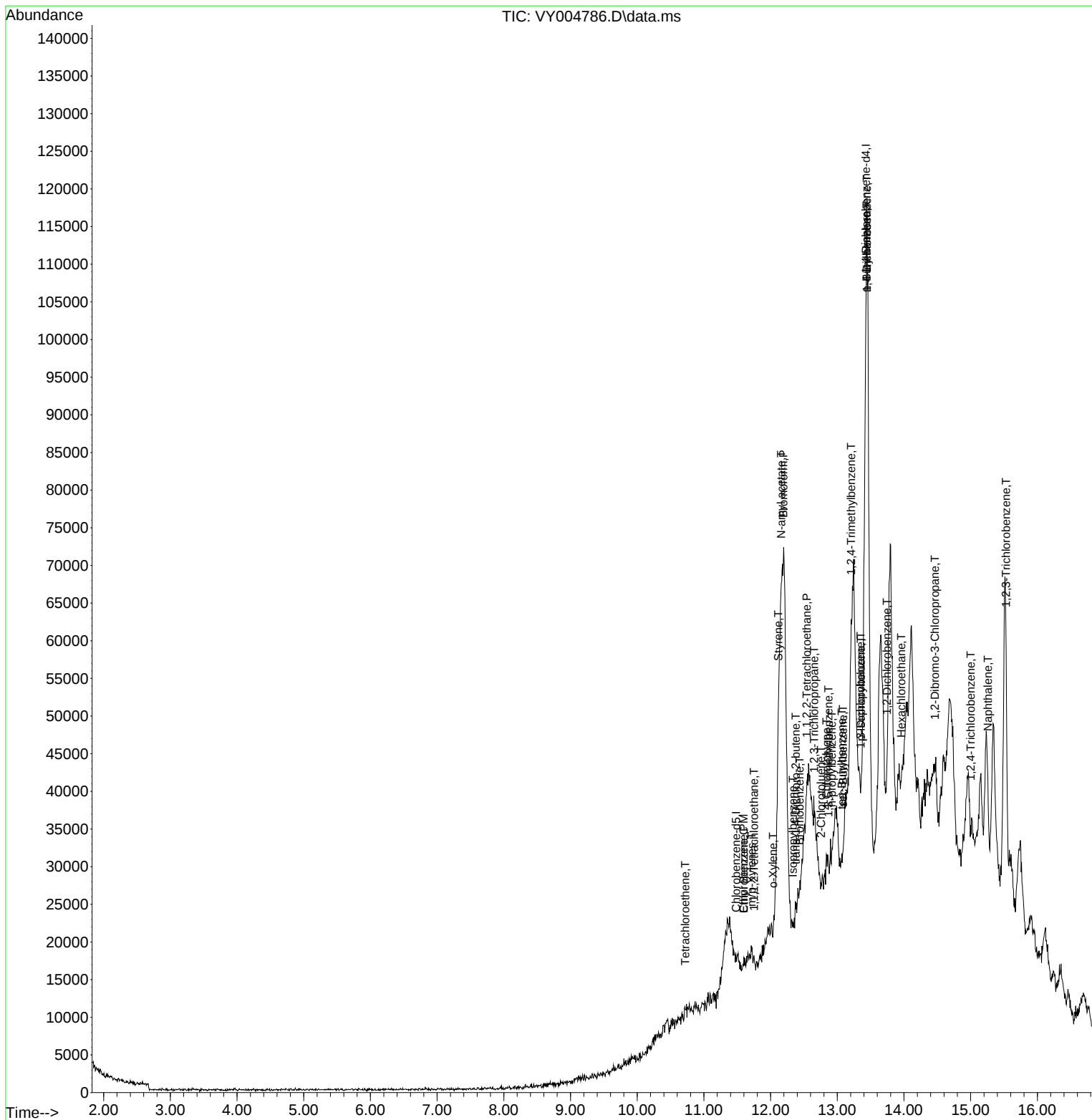
Quant Time: May 15 03:59:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

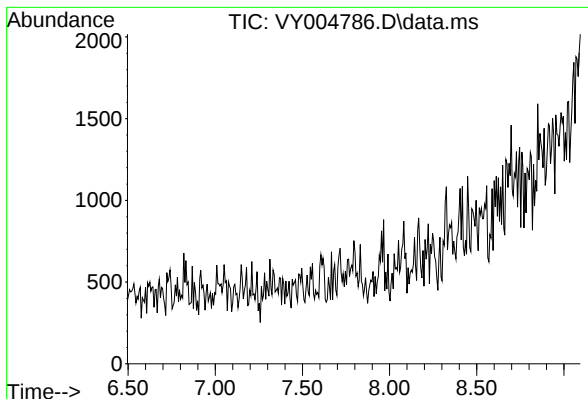
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.00	ug/l	-7.79
34) 1,4-Difluorobenzene	0.000	114	0	0.00	ug/l	-8.70
63) Chlorobenzene-d5	11.483	117	286	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1433	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.00	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.00%#
35) Dibromofluoromethane	0.000	113	0	0.00	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.00%#
50) Toluene-d8	10.197	98	22	0.00	ug/l	0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.00%#
62) 4-Bromofluorobenzene	12.489	95	436	0.00	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.00%#
Target Compounds						Qvalue
64) Tetrachloroethene	10.721	164	57	22.06	ug/l #	1
65) Chlorobenzene	11.599	112	40	6.80	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.752	131	97	45.33	ug/l	88
67) Ethyl Benzene	11.599	91	141	12.89	ug/l #	45
68) m/p-Xylenes	11.715	106	57	13.87	ug/l #	50
69) o-Xylene	12.038	106	84	21.87	ug/l	52
70) Styrene	12.117	104	43	6.68	ug/l #	25
71) Bromoform	12.190	173	249	192.08	ug/l #	41
73) Isopropylbenzene	12.337	105	162	1.50	ug/l	92
74) N-amyl acetate	12.160	43	318	8.32	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.544	83	2123	98.41	ug/l #	36
76) 1,2,3-Trichloropropane	12.654	75	23	1.51	ug/l #	100
77) Bromobenzene	12.434	156	260	10.65	ug/l #	29
78) n-propylbenzene	12.916	91	356	2.70	ug/l	81
79) 2-Chlorotoluene	12.757	91	92	1.27	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.867	105	133	1.48	ug/l	73
81) trans-1,4-Dichloro-2-b...	12.379	75	21	2.39	ug/l #	1
82) 4-Chlorotoluene	12.837	91	387	5.15	ug/l #	52
83) tert-Butylbenzene	13.068	119	387	5.05	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.209	105	331	3.68	ug/l	77
85) sec-Butylbenzene	13.087	105	338	3.03	ug/l	82
86) p-Isopropyltoluene	13.355	119	193	2.00	ug/l #	19
87) 1,3-Dichlorobenzene	13.349	146	190	3.97	ug/l #	1
88) 1,4-Dichlorobenzene	13.446	146	59	1.25	ug/l #	1
89) n-Butylbenzene	13.440	91	594	6.29	ug/l	72
90) Hexachloroethane	13.958	117	467	34.33	ug/l #	19
91) 1,2-Dichlorobenzene	13.745	146	51	1.21	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.464	75	43	10.67	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.001	180	34	1.25	ug/l #	1
95) Naphthalene	15.257	128	81	1.38	ug/l #	48
96) 1,2,3-Trichlorobenzene	15.531	180	48	1.99	ug/l #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
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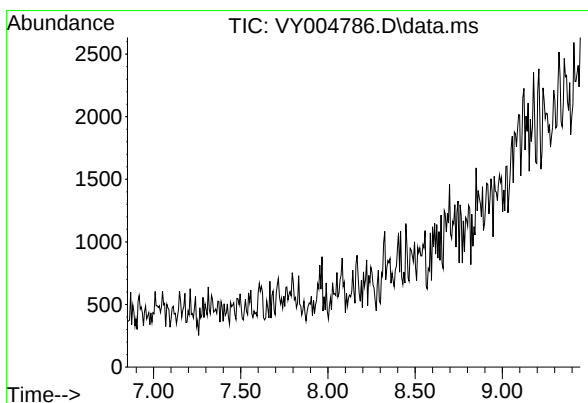
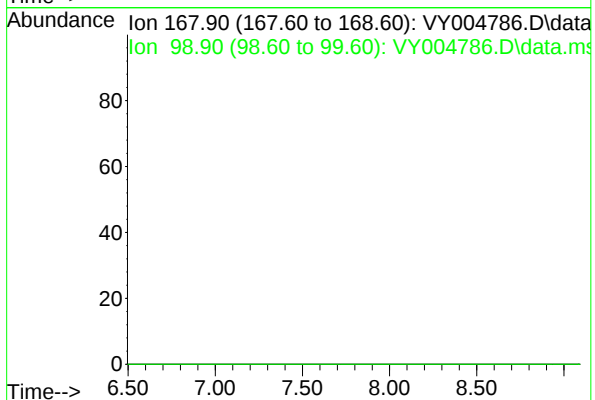


#1
Pentafluorobenzene
Concen: 0.00 ug/l
Expected RT: 7.79 min

Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 168
Sig Exp Ratio
168 100
99 57.0

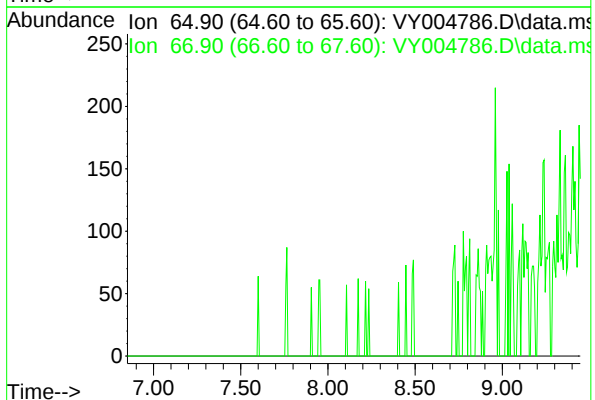
Instrument :
MSVOA_Y
ClientSampleId :

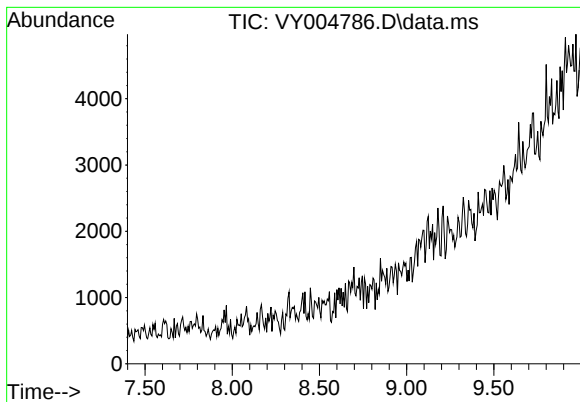


#33
1,2-Dichloroethane-d4
Concen: 0.00 ug/l
Expected RT: 8.15 min

Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 65
Sig Exp Ratio
65 100
67 54.0





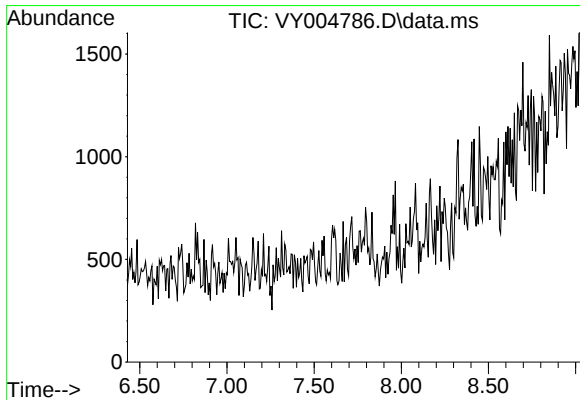
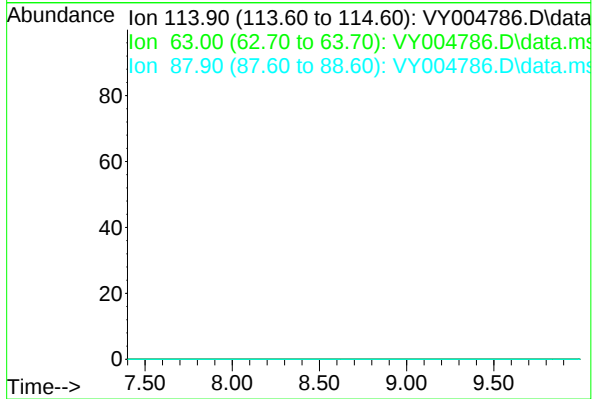
#34
 1,4-Difluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 8.70 min

 Lab File: VY004786.D
 Acq: 14 May 2021 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 114

Sig	Exp Ratio
114	100
63	21.4
88	15.5

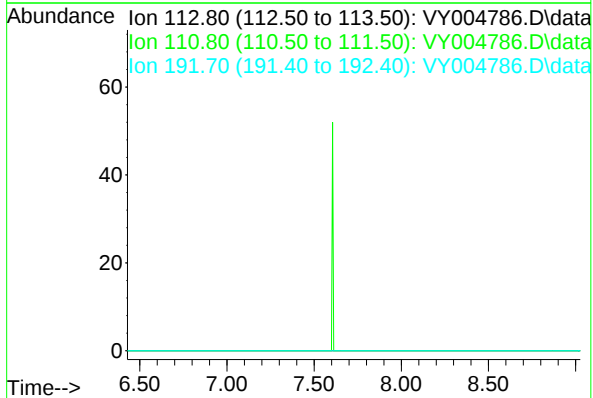


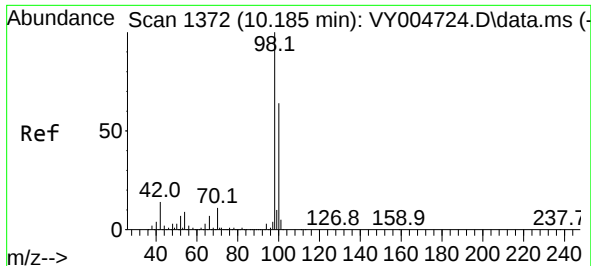
#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.73 min

 Lab File: VY004786.D
 Acq: 14 May 2021 16:31

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	100.6
192	18.8

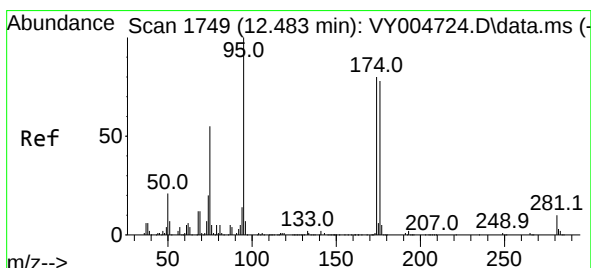
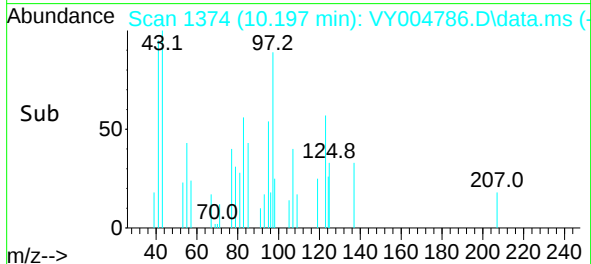
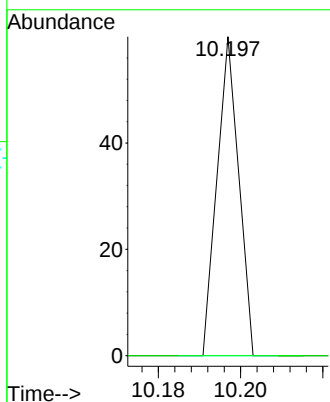
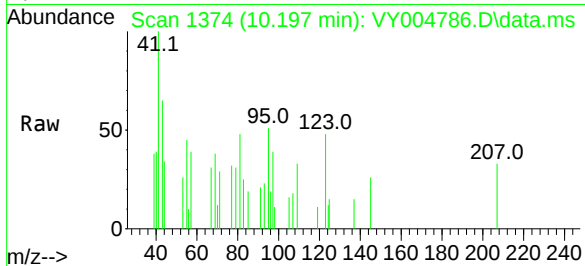




#50
Toluene-d8
Concen: 0.00 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

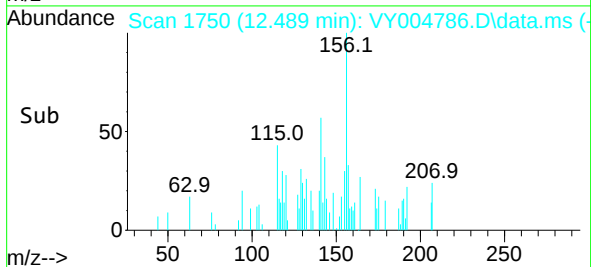
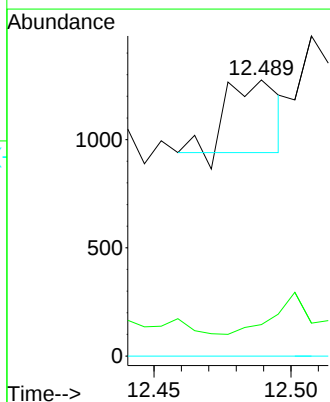
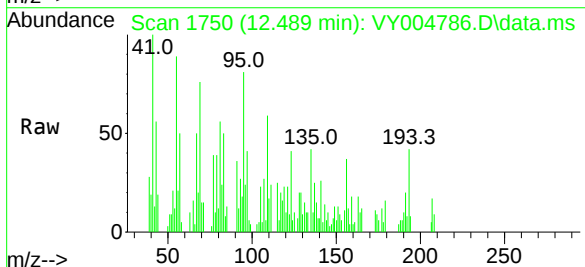
Instrument :
MSVOA_Y
ClientSampled :

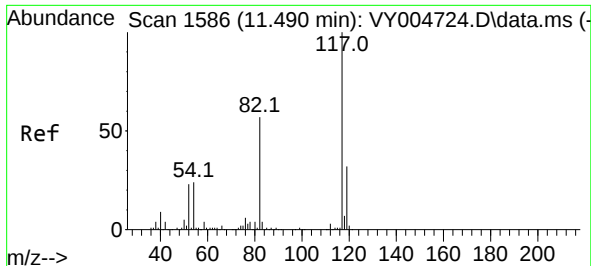
Tgt Ion: 98 Resp: 22
Ion Ratio Lower Upper
98 100
100 0.0 51.5 77.3#



#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 95 Resp: 436
Ion Ratio Lower Upper
95 100
174 0.0 0.0 164.2
176 0.0 0.0 159.0

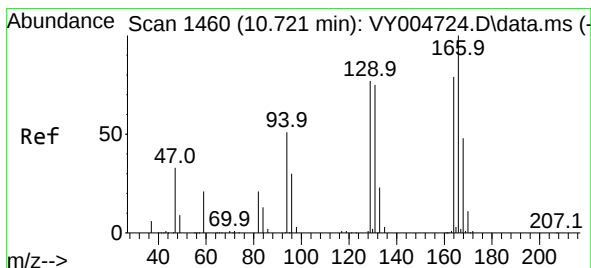
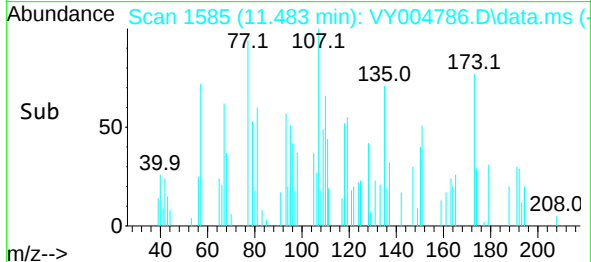
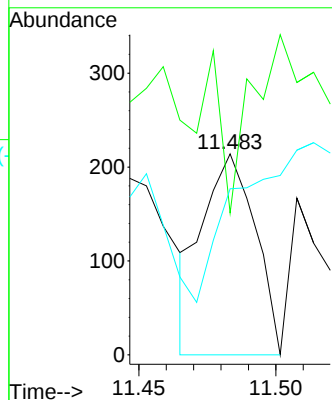
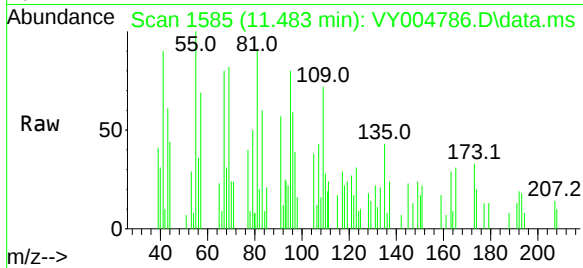




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

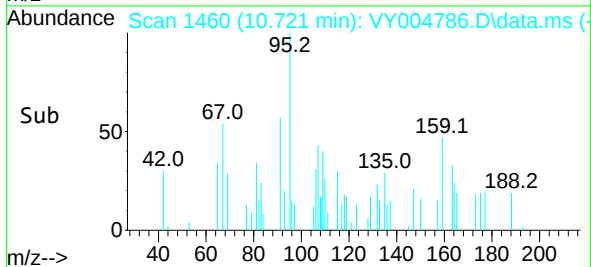
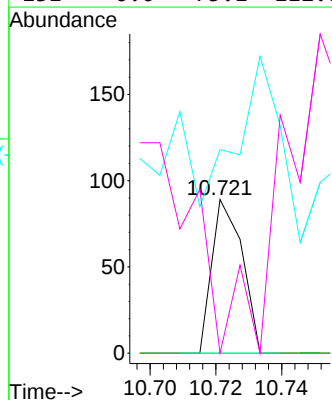
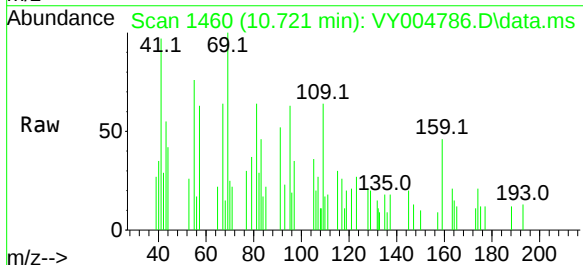
Instrument :
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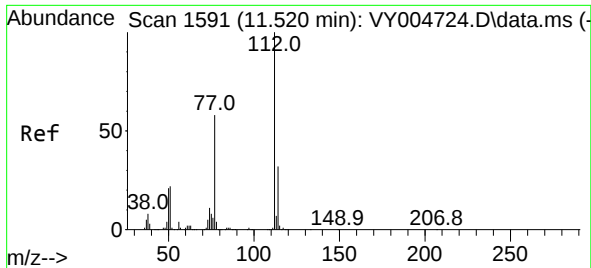
Tgt Ion:117 Resp: 286
Ion Ratio Lower Upper
117 100
82 0.0 45.4 68.2#
119 43.9 25.8 38.6#



#64
Tetrachloroethene
Concen: 22.06 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:164 Resp: 57
Ion Ratio Lower Upper
164 100
166 0.0 100.8 151.2#
129 0.0 77.5 116.3#
131 0.0 75.1 112.7#

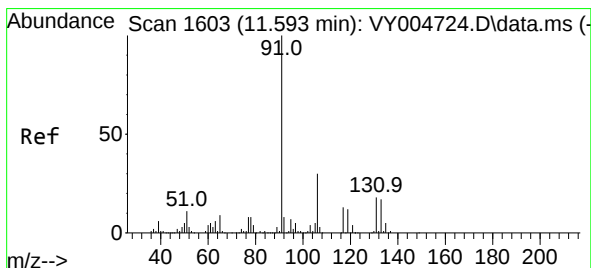
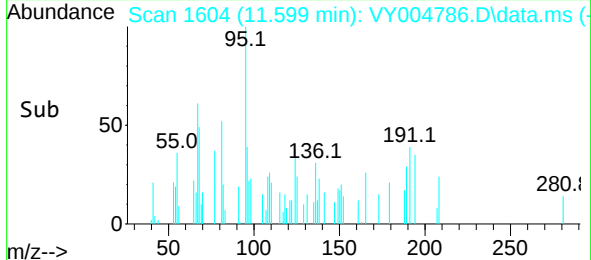
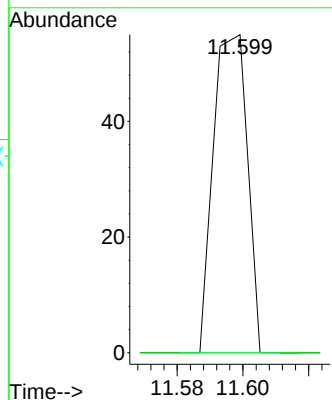
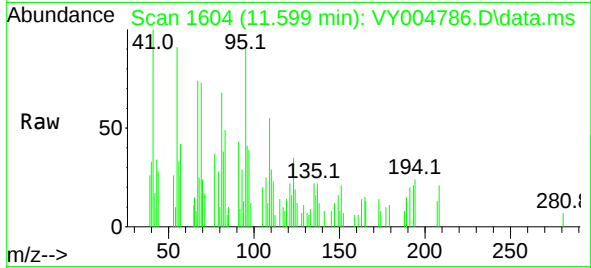




#65
Chlorobenzene
Concen: 6.80 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.079 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

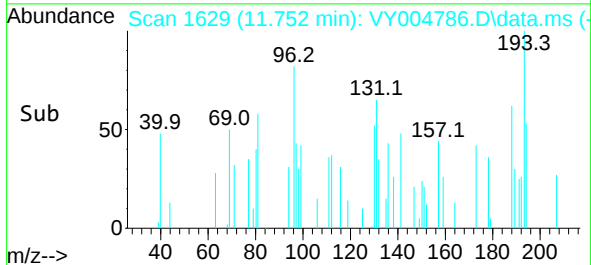
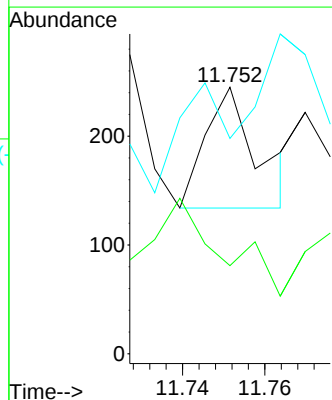
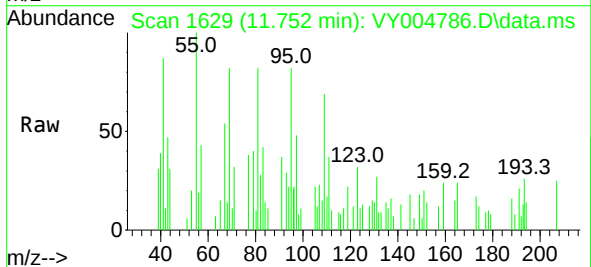
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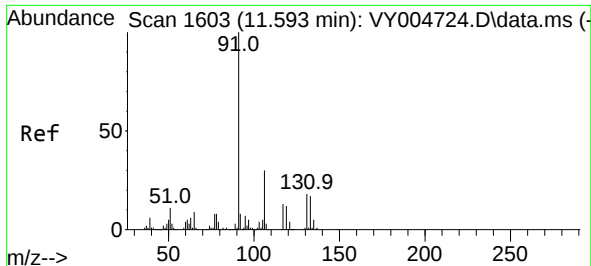
Tgt Ion:112 Resp: 40
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 45.33 ug/l
RT: 11.752 min Scan# 1629
Delta R.T. 0.158 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:131 Resp: 97
Ion Ratio Lower Upper
131 100
133 101.0 47.9 143.7
119 82.5 32.8 98.4

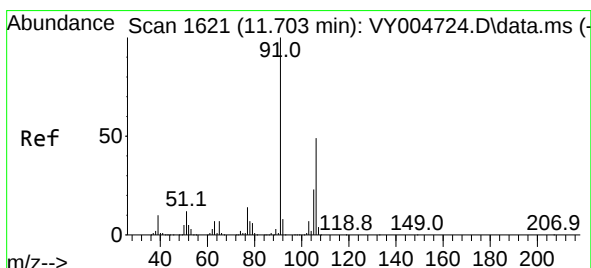
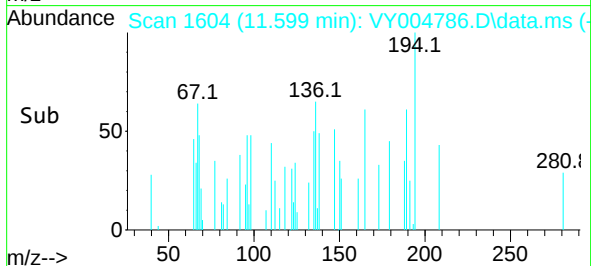
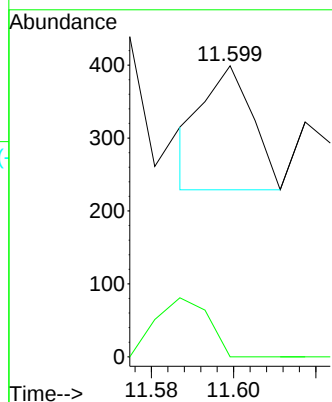
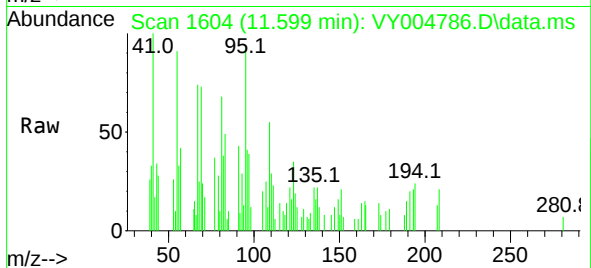




#67
Ethyl Benzene
Concen: 12.89 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

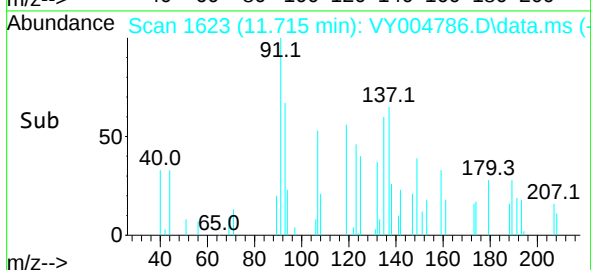
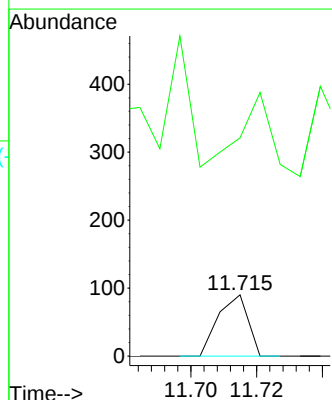
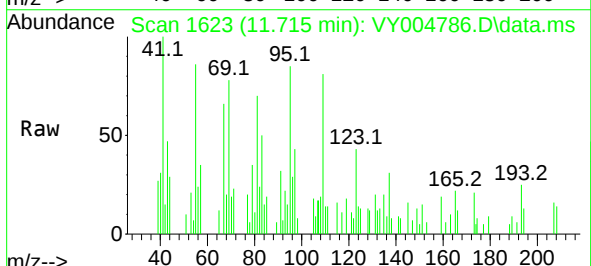
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ClientSampled :

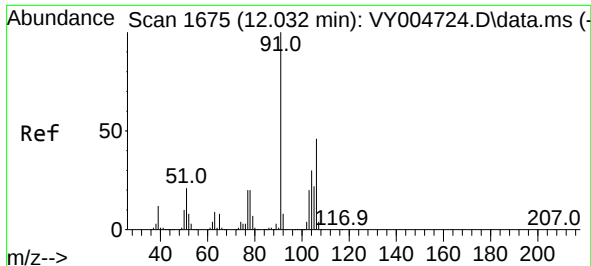
Tgt Ion: 91 Resp: 141
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#



#68
m/p-Xylenes
Concen: 13.87 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 106 Resp: 57
Ion Ratio Lower Upper
106 100
91 128.1 163.6 245.4#

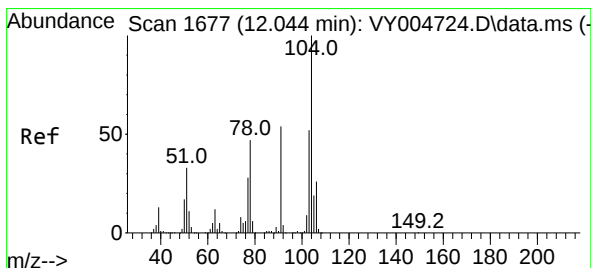
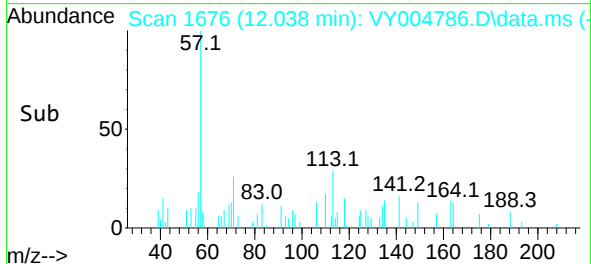
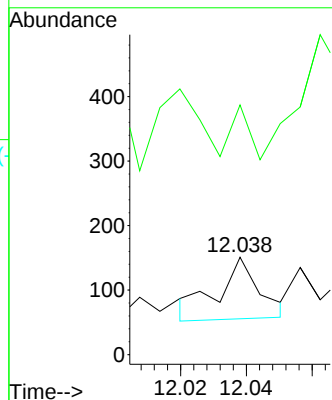
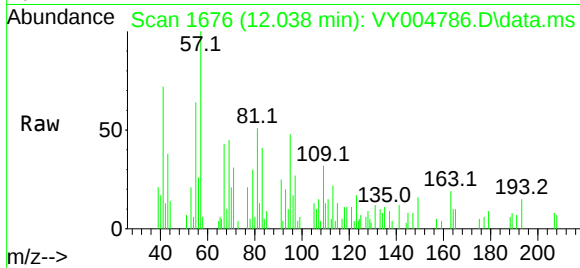




#69
o-Xylene
Concen: 21.87 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

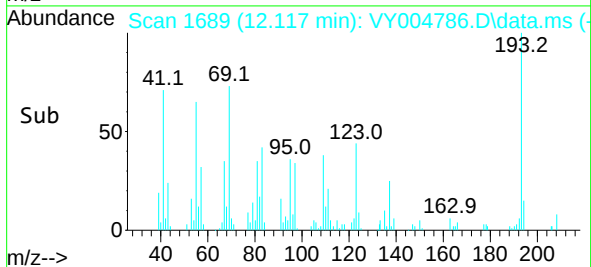
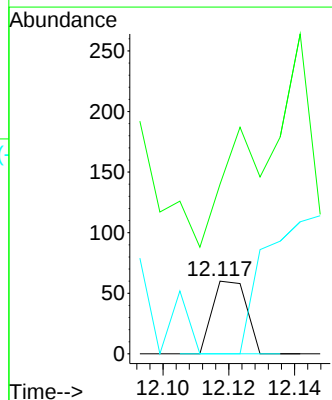
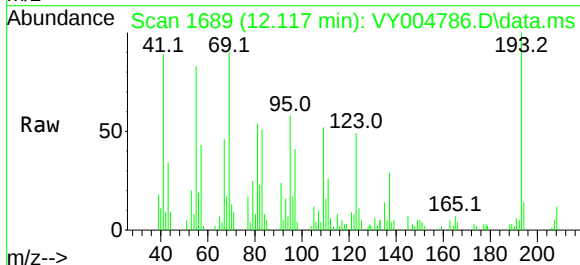
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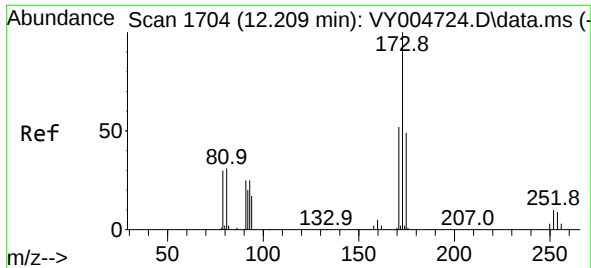
Tgt Ion:106 Resp: 84
Ion Ratio Lower Upper
106 100
91 141.7 108.9 326.7



#70
Styrene
Concen: 6.68 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. 0.073 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:104 Resp: 43
Ion Ratio Lower Upper
104 100
78 0.0 40.3 60.5#
103 0.0 44.2 66.4#

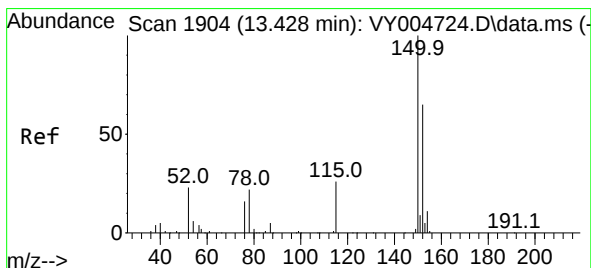
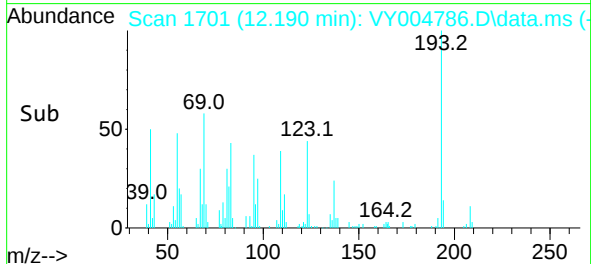
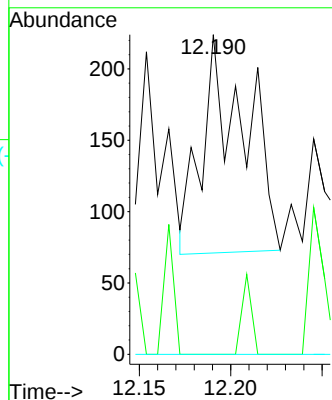
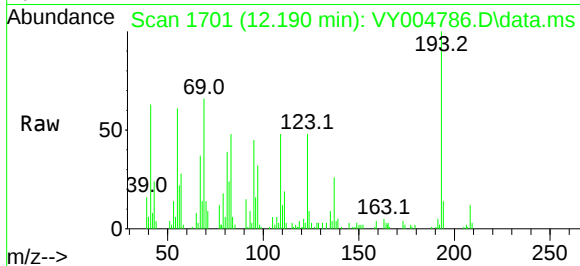




#71
Bromoform
Concen: 192.08 ug/l
RT: 12.190 min Scan# 1701
Delta R.T. -0.018 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

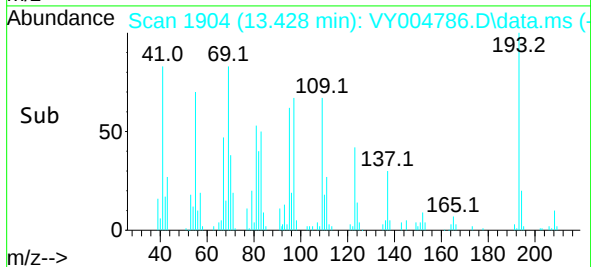
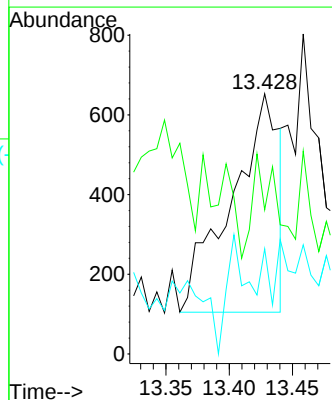
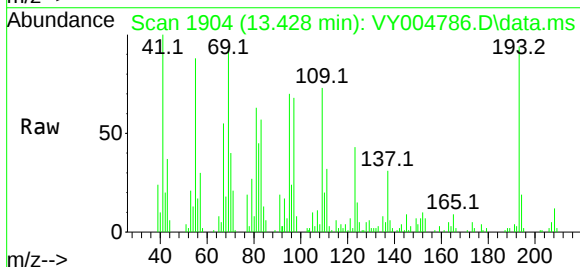
Instrument :
MSVOA_Y
ClientSampleId :

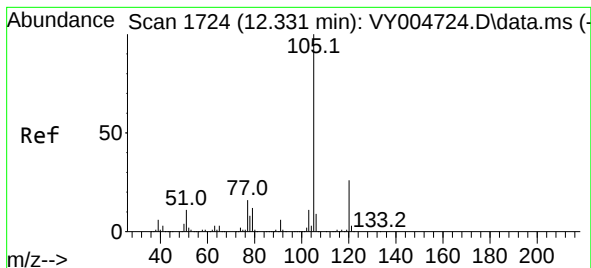
Tgt Ion:173 Resp: 249
Ion Ratio Lower Upper
173 100
175 8.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:152 Resp: 1433
Ion Ratio Lower Upper
152 100
115 22.9 29.4 88.3#
150 3.6 0.0 349.8





#73

Isopropylbenzene

Concen: 1.50 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY004786.D

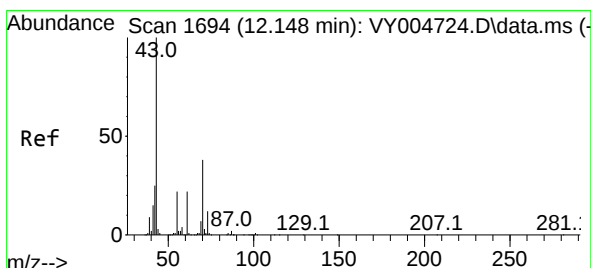
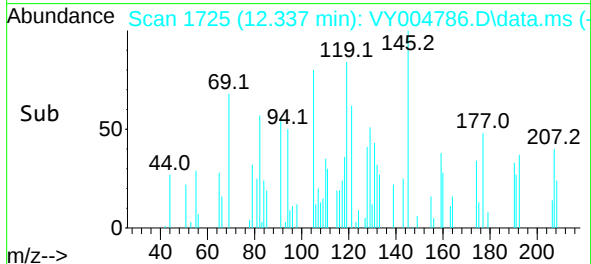
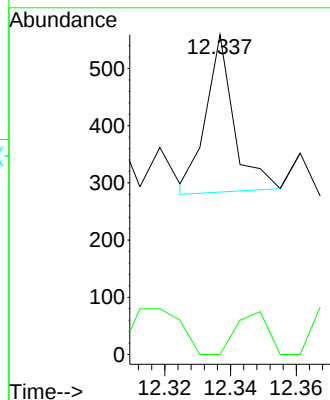
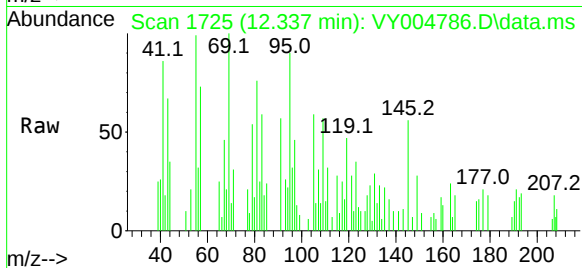
Acq: 14 May 2021 16:31

Tgt Ion:105 Resp: 162

Ion Ratio Lower Upper

105 100

120 30.2 13.1 39.1



#74

N-ethyl acetate

Concen: 8.32 ug/l

RT: 12.160 min Scan# 1696

Delta R.T. 0.012 min

Lab File: VY004786.D

Acq: 14 May 2021 16:31

Tgt Ion: 43 Resp: 318

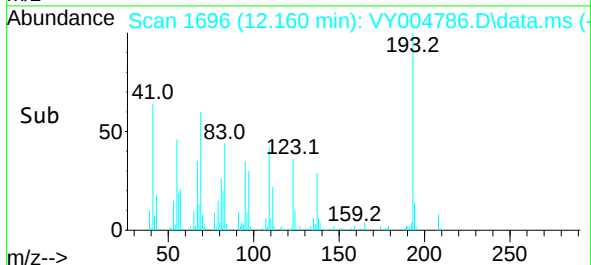
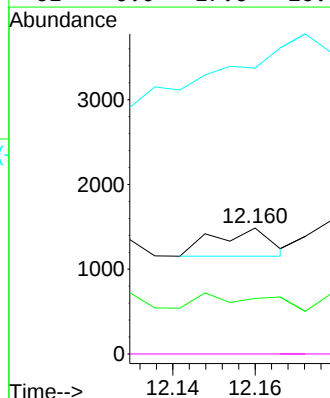
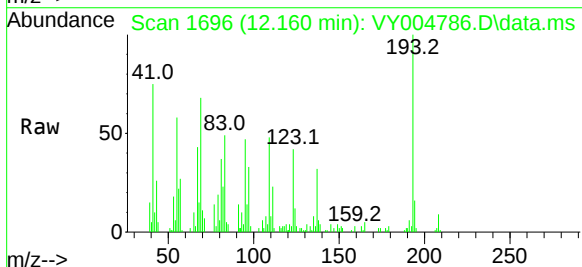
Ion Ratio Lower Upper

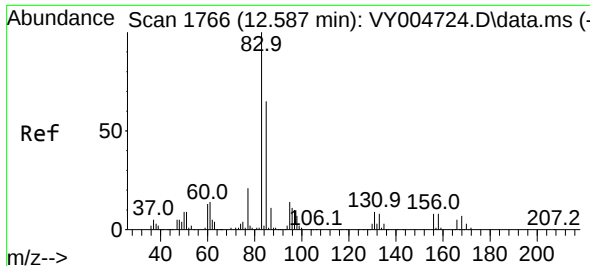
43 100

70 74.2 30.2 45.2#

55 0.0 17.8 26.8#

61 0.0 17.6 26.4#

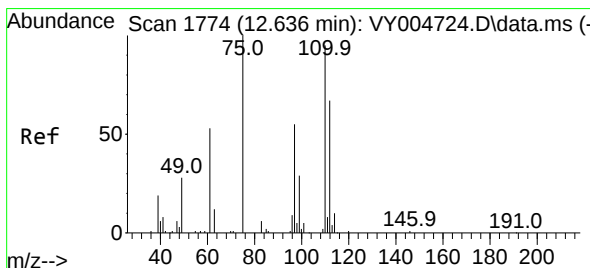
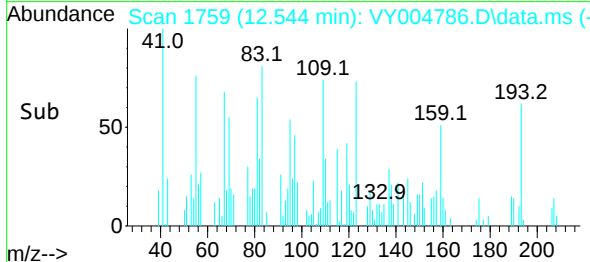
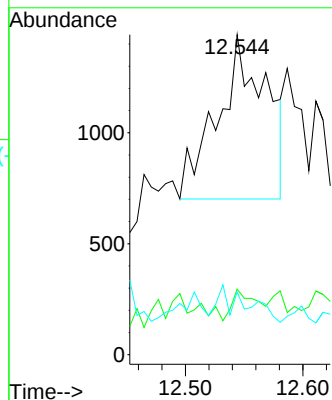
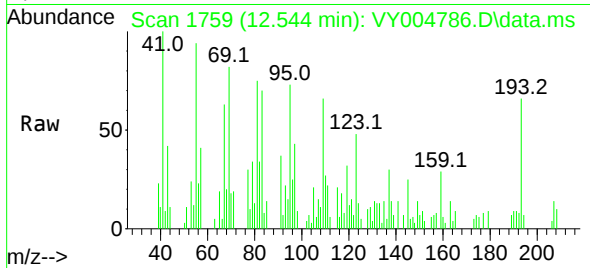




#75
1,1,2,2-Tetrachloroethane
Concen: 98.41 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.043 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

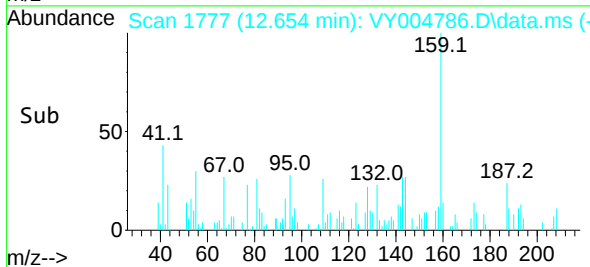
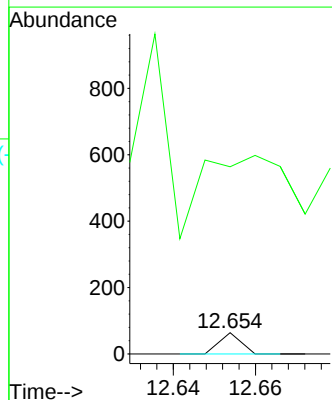
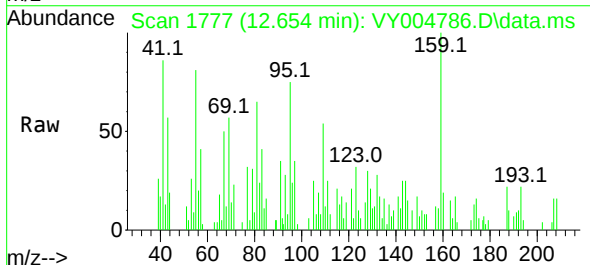
Instrument :
MSVOA_Y
ClientSampleId :

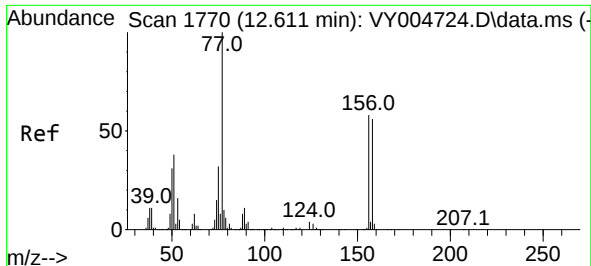
Tgt Ion: 83 Resp: 2123
Ion Ratio Lower Upper
83 100
131 9.8 5.0 14.9
85 6.3 32.1 96.5#



#76
1,2,3-Trichloropropane
Concen: 1.51 ug/l
RT: 12.654 min Scan# 1777
Delta R.T. 0.018 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
77 521.7 0.0 0.0#

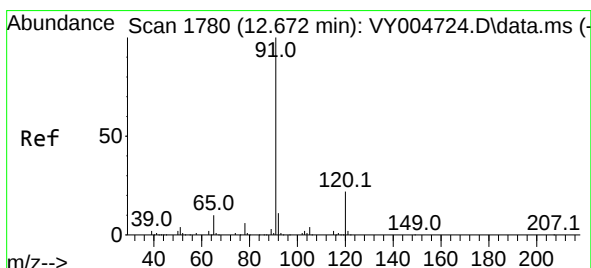
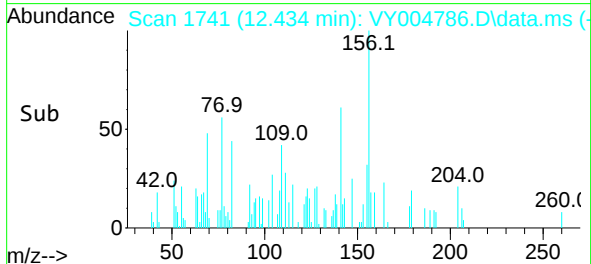
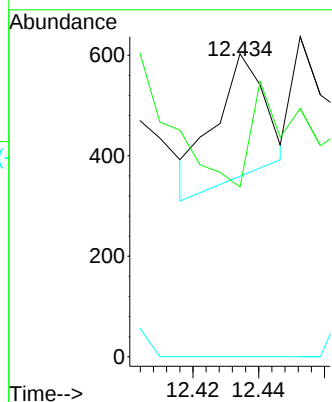
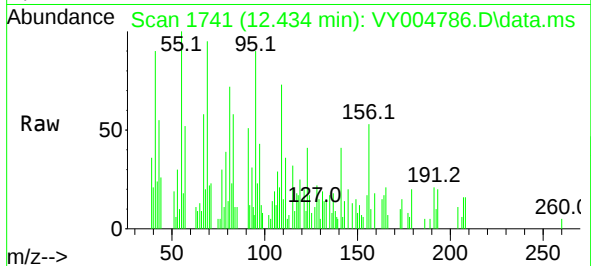




#77
Bromobenzene
Concen: 10.65 ug/l
RT: 12.434 min Scan# 1741
Delta R.T. -0.177 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

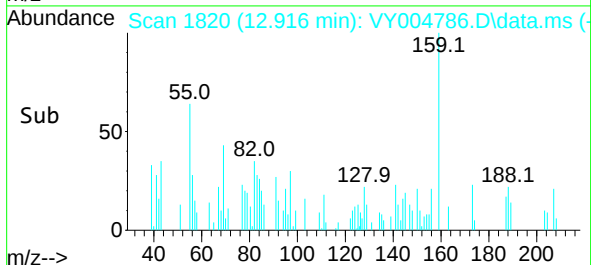
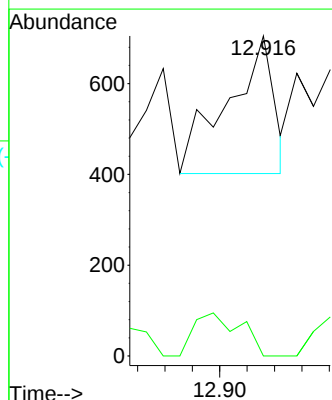
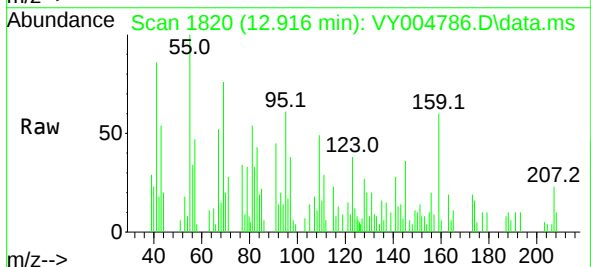
Instrument :
MSVOA_Y
ClientSampleId :

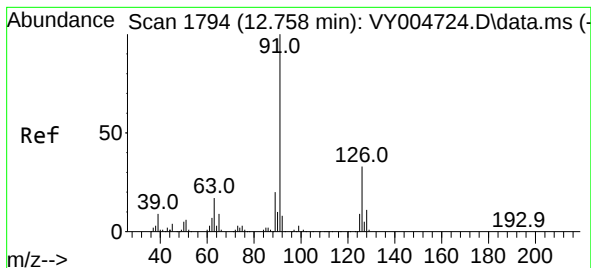
Tgt Ion:156 Resp: 260
Ion Ratio Lower Upper
156 100
77 113.1 100.6 301.9
158 0.0 48.8 146.3#



#78
n-propylbenzene
Concen: 2.70 ug/l
RT: 12.916 min Scan# 1820
Delta R.T. 0.244 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 91 Resp: 356
Ion Ratio Lower Upper
91 100
120 31.5 11.1 33.3

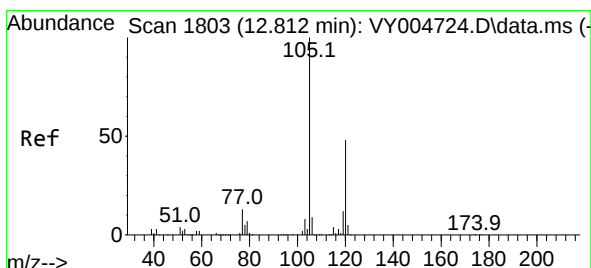
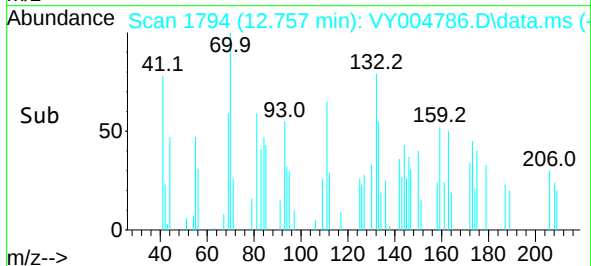
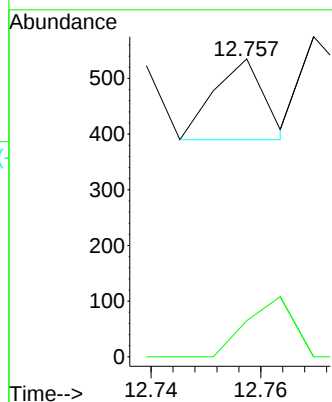
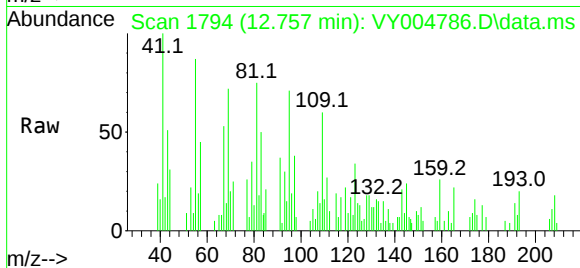




#79
2-Chlorotoluene
Concen: 1.27 ug/l
RT: 12.757 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

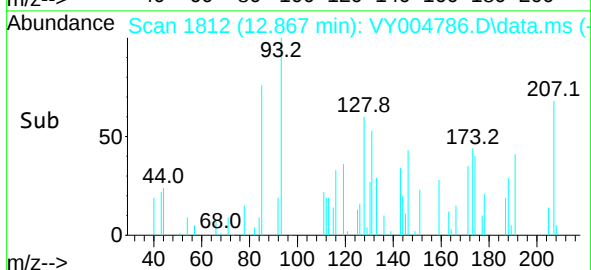
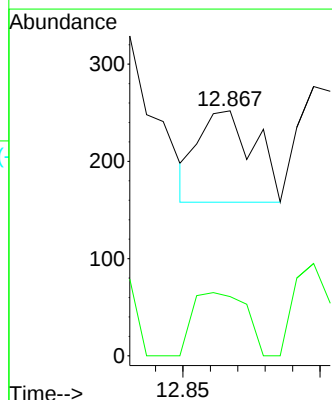
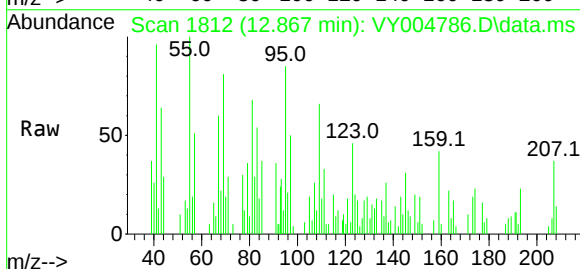
Instrument :
MSVOA_Y
ClientSampleId :

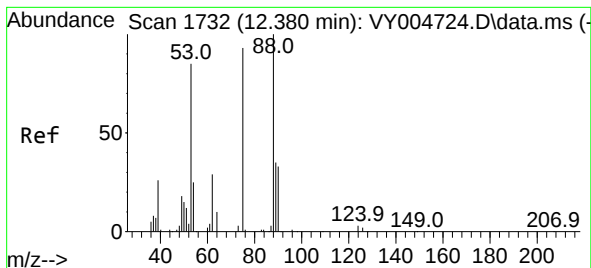
Tgt Ion: 91 Resp: 92
Ion Ratio Lower Upper
91 100
126 68.5 16.8 50.3#



#80
1,3,5-Trimethylbenzene
Concen: 1.48 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.055 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:105 Resp: 133
Ion Ratio Lower Upper
105 100
120 66.2 24.0 72.0

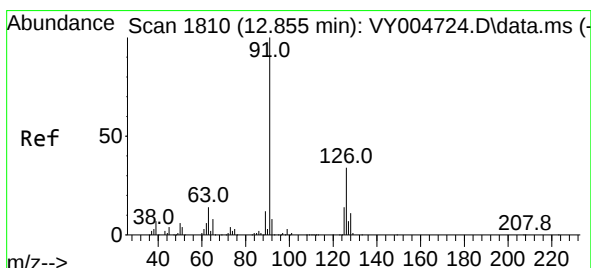
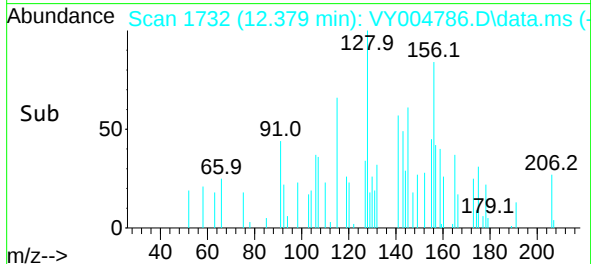
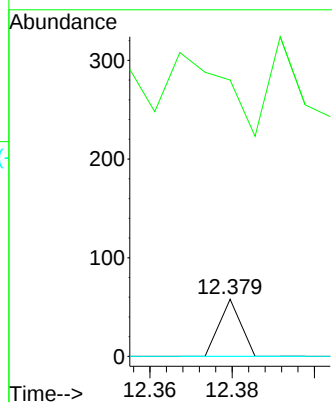
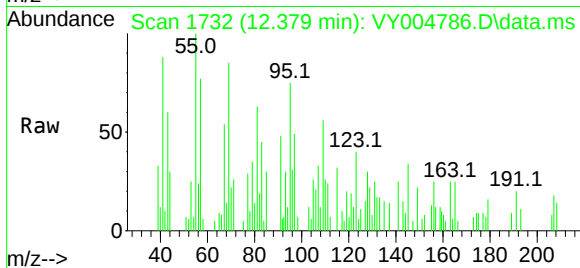




#81
trans-1,4-Dichloro-2-butene
Concen: 2.39 ug/l
RT: 12.379 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

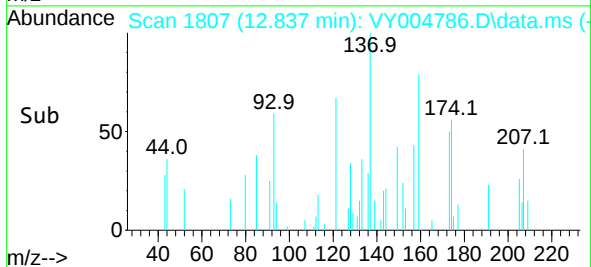
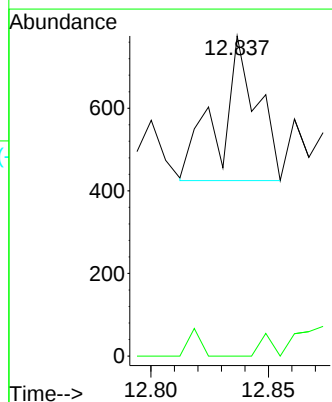
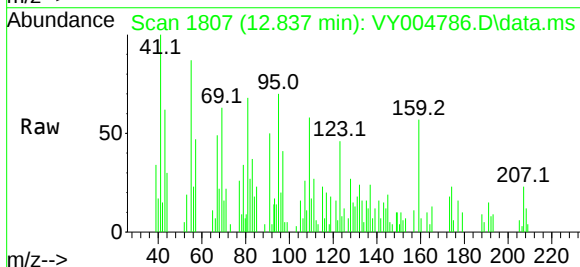
Instrument :
MSVOA_Y
ClientSampleId :

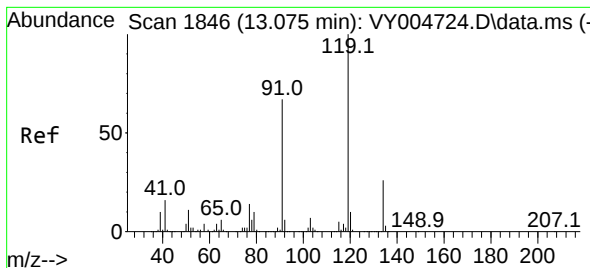
Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
53 266.7 73.9 110.9#
89 0.0 35.5 53.3#



#82
4-Chlorotoluene
Concen: 5.15 ug/l
RT: 12.837 min Scan# 1807
Delta R.T. -0.018 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 91 Resp: 387
Ion Ratio Lower Upper
91 100
126 6.5 16.8 50.3#

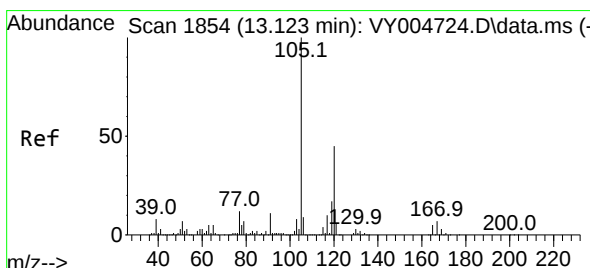
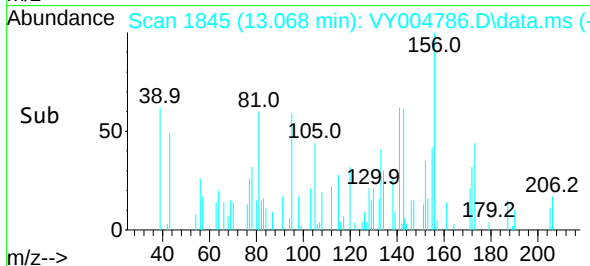
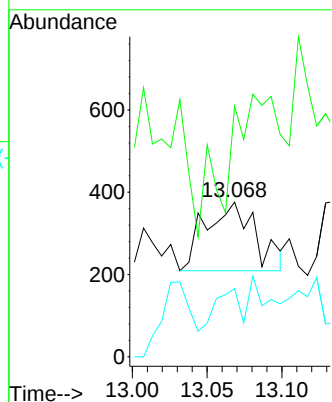
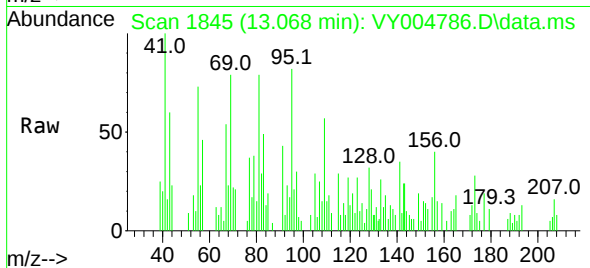




#83
tert-Butylbenzene
Concen: 5.05 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

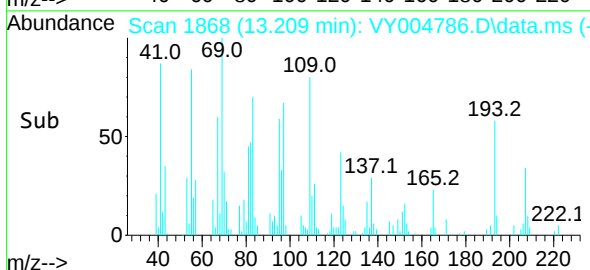
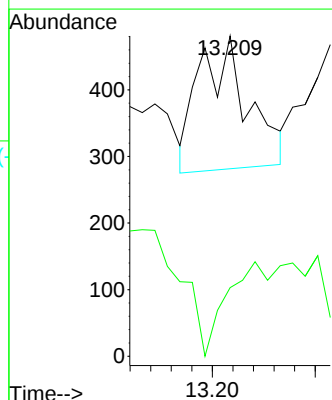
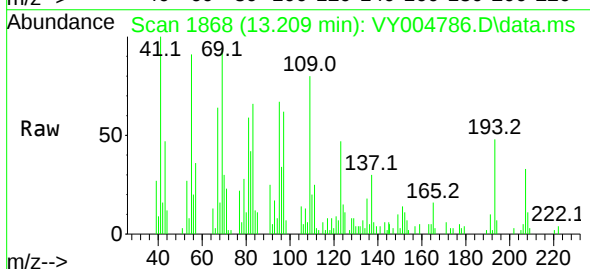
Instrument :
MSVOA_Y
ClientSampleId :

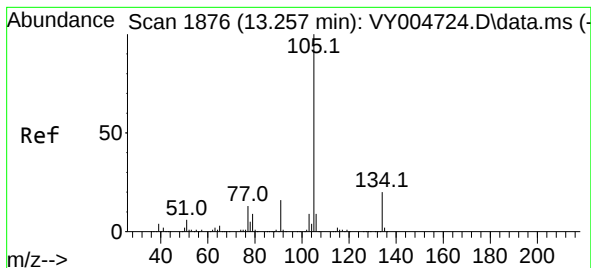
Tgt Ion:119 Resp: 387
Ion Ratio Lower Upper
119 100
91 0.0 32.3 96.8#
134 31.0 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 3.68 ug/l
RT: 13.209 min Scan# 1868
Delta R.T. 0.085 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:105 Resp: 331
Ion Ratio Lower Upper
105 100
120 59.8 22.5 67.5





#85

sec-Butylbenzene

Concen: 3.03 ug/l

RT: 13.087 min Scan# 1848

Delta R.T. -0.171 min

Lab File: VY004786.D

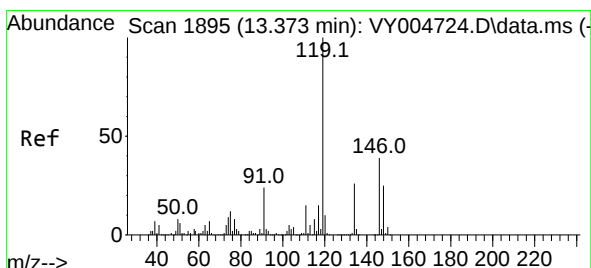
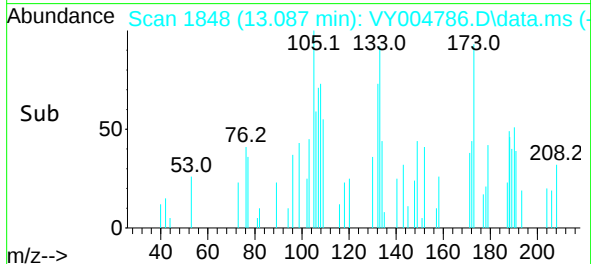
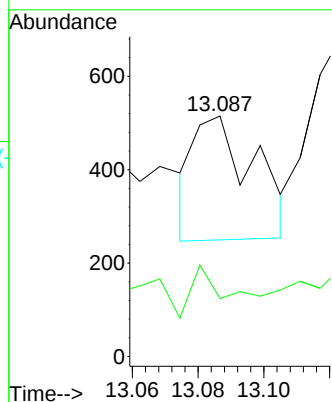
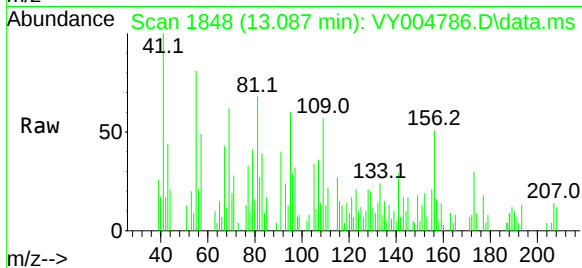
Acq: 14 May 2021 16:31

Tgt Ion:105 Resp: 338

Ion Ratio Lower Upper

105 100

134 28.1 10.0 29.8



#86

p-Isopropyltoluene

Concen: 2.00 ug/l

RT: 13.355 min Scan# 1892

Delta R.T. -0.018 min

Lab File: VY004786.D

Acq: 14 May 2021 16:31

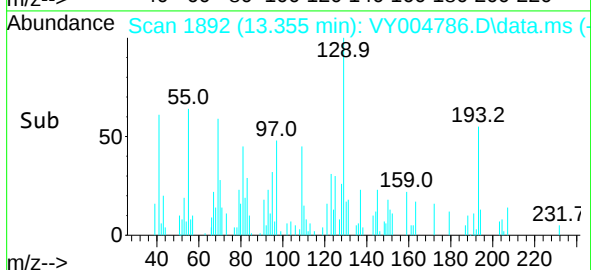
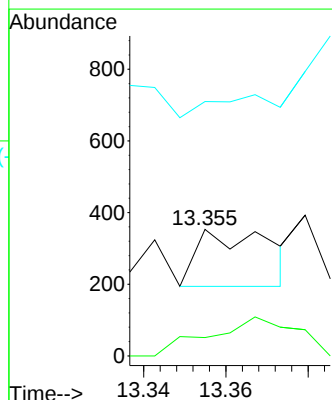
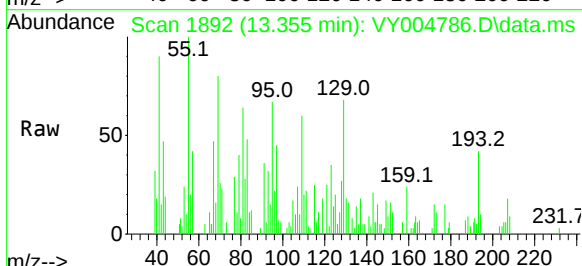
Tgt Ion:119 Resp: 193

Ion Ratio Lower Upper

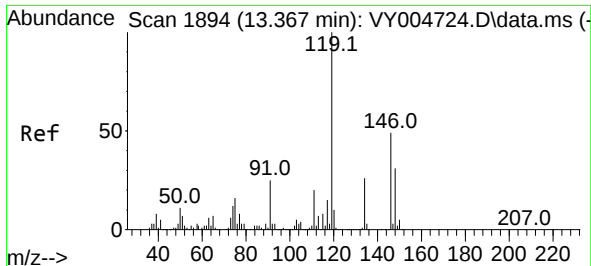
119 100

134 81.9 12.9 38.7#

91 0.0 12.0 36.1#



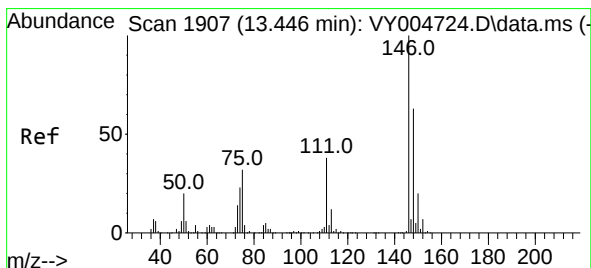
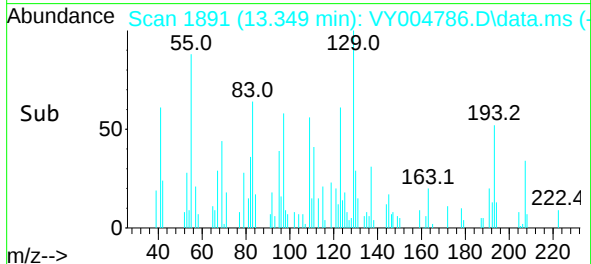
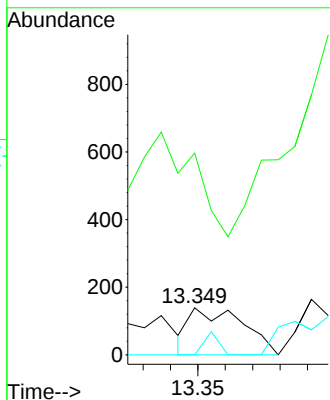
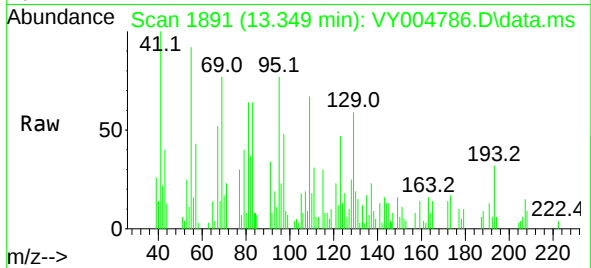
Instrument :
MSVOA_Y
ClientSampleId :



#87
1,3-Dichlorobenzene
Concen: 3.97 ug/l
RT: 13.349 min Scan# 1891
Delta R.T. -0.018 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

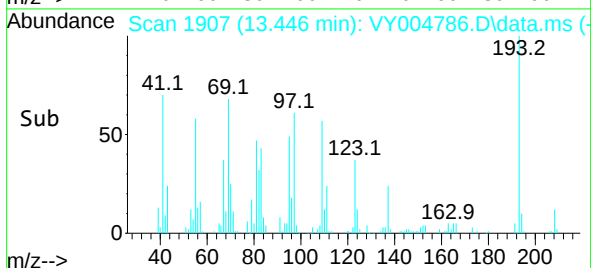
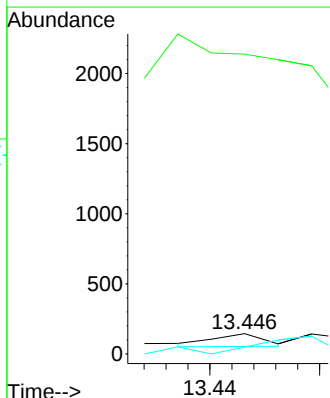
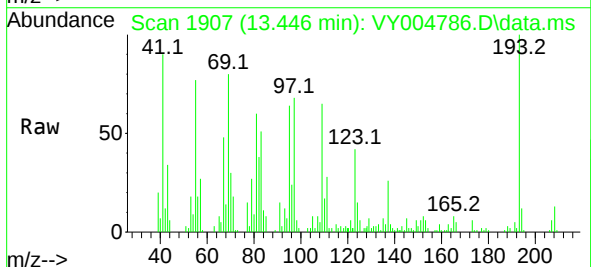
Instrument :
MSVOA_Y
ClientSampled :

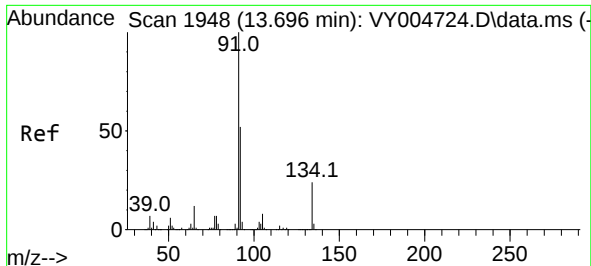
Tgt Ion:146 Resp: 190
Ion Ratio Lower Upper
146 100
111 253.2 20.3 60.9#
148 13.2 31.9 95.7#



#88
1,4-Dichlorobenzene
Concen: 1.25 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion:146 Resp: 59
Ion Ratio Lower Upper
146 100
111 13920.3 19.6 58.8#
148 0.0 31.9 95.5#

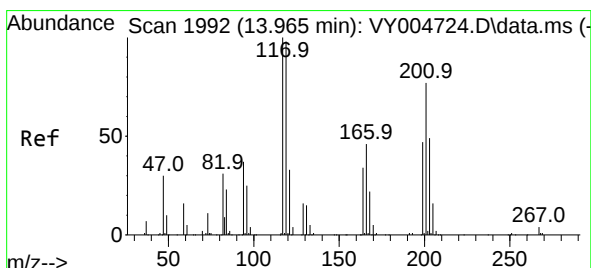
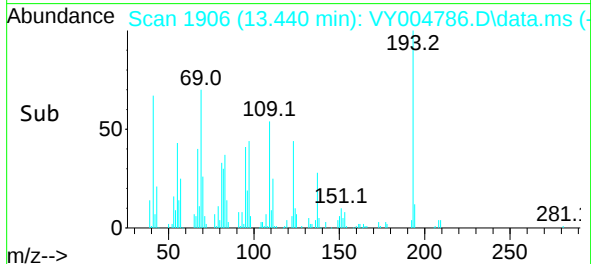
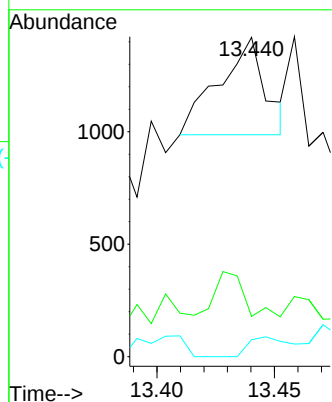
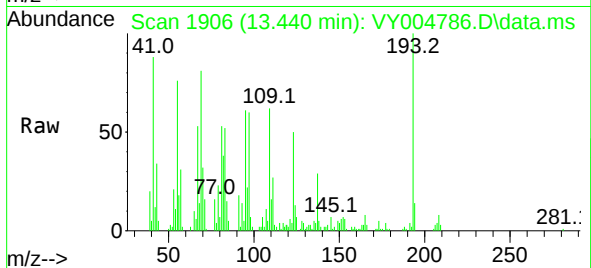




#89
n-Butylbenzene
Concen: 6.29 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.256 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

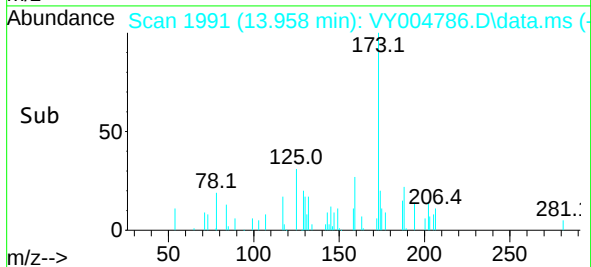
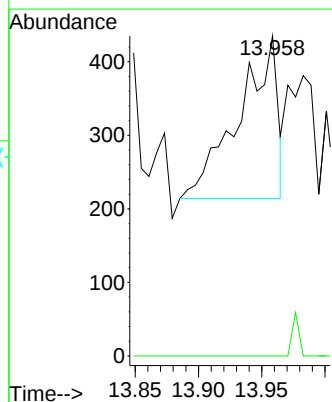
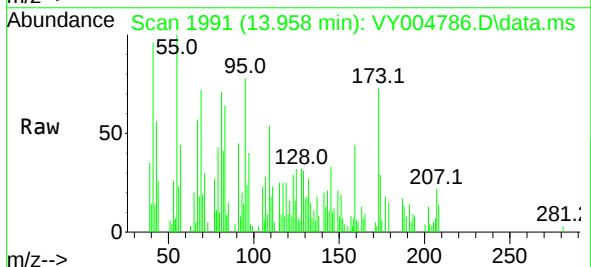
Instrument :
MSVOA_Y
ClientSampled :

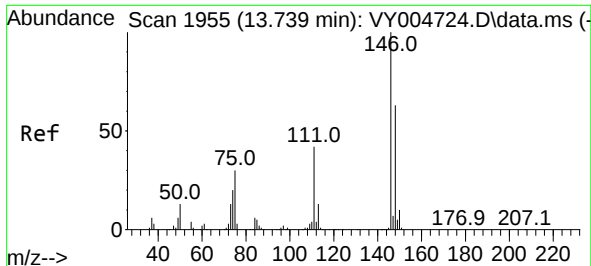
Tgt Ion: 91 Resp: 594
Ion Ratio Lower Upper
91 100
92 28.5 26.4 79.0
134 17.7 12.6 37.6



#90
Hexachloroethane
Concen: 34.33 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 117 Resp: 467
Ion Ratio Lower Upper
117 100
201 4.7 35.9 107.8#

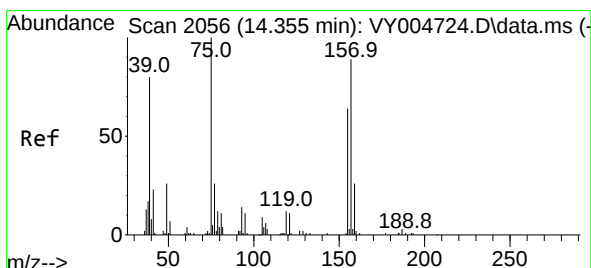
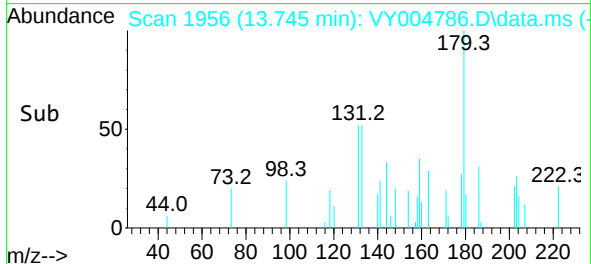
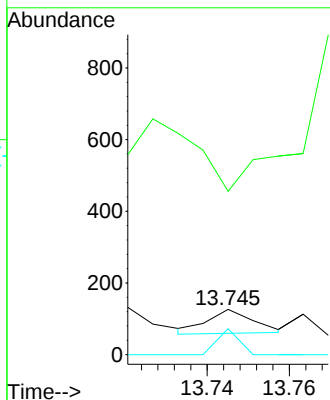
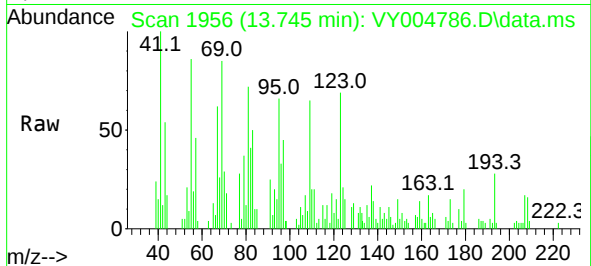




#91
1,2-Dichlorobenzene
Concen: 1.21 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

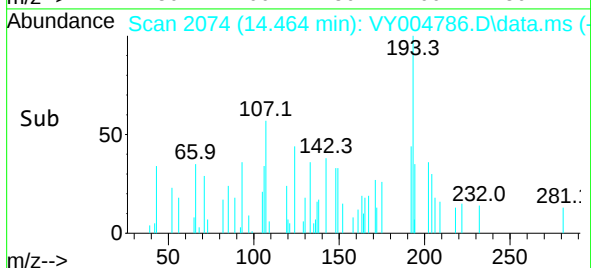
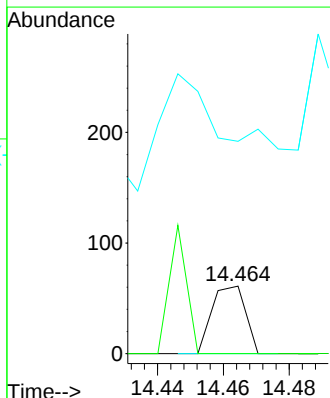
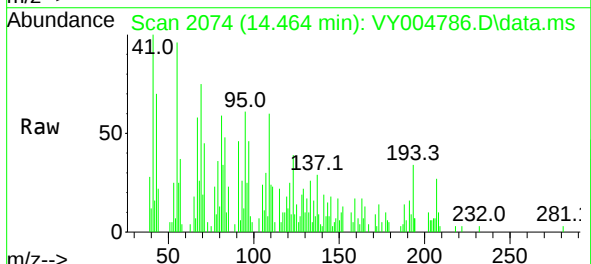
Instrument :
MSVOA_Y
ClientSampleId :

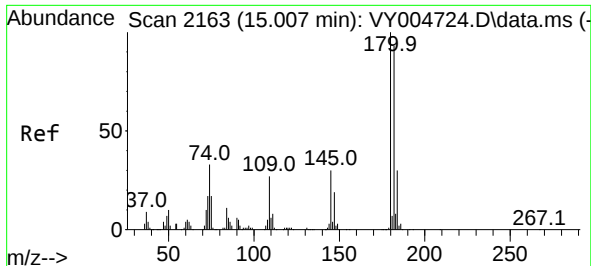
Tgt Ion:146 Resp: 51
Ion Ratio Lower Upper
146 100
111 921.6 20.9 62.7#
148 51.0 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.67 ug/l
RT: 14.464 min Scan# 2074
Delta R.T. 0.110 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
155 97.7 39.0 117.0
157 386.0 50.2 150.7#

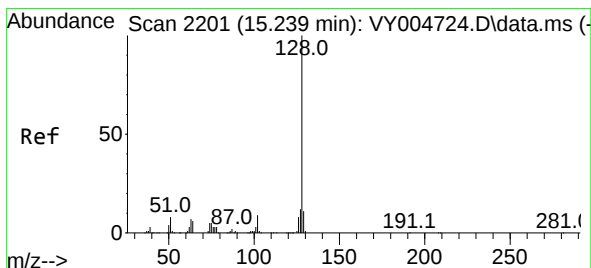
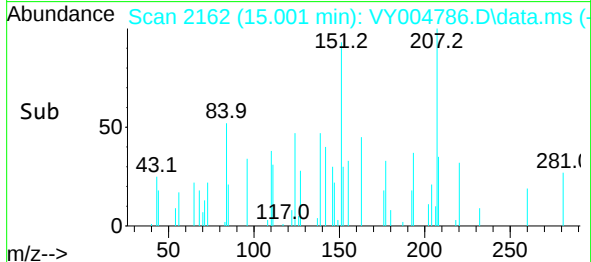
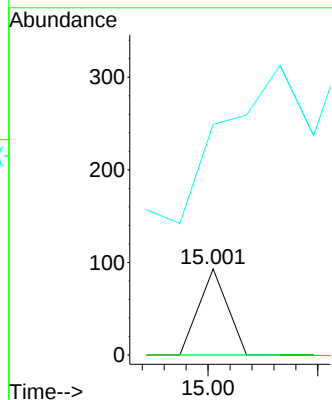
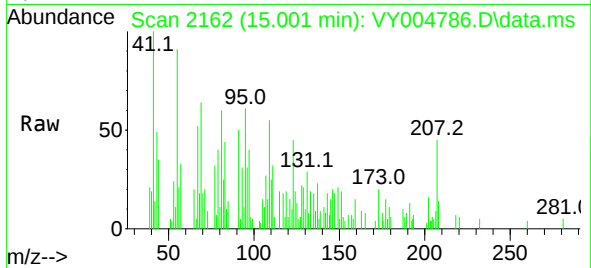




#93
1,2,4-Trichlorobenzene
Concen: 1.25 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

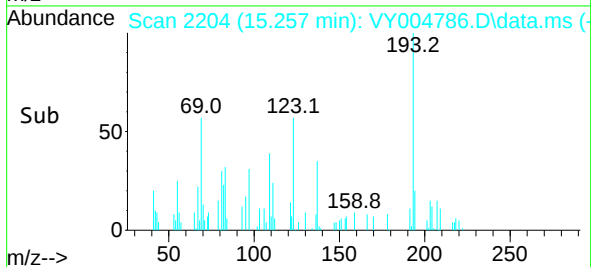
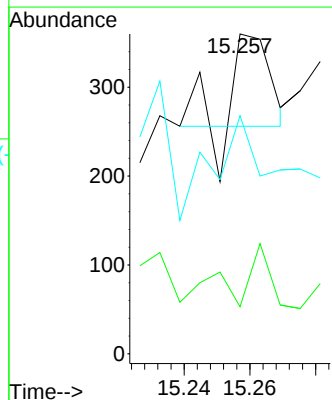
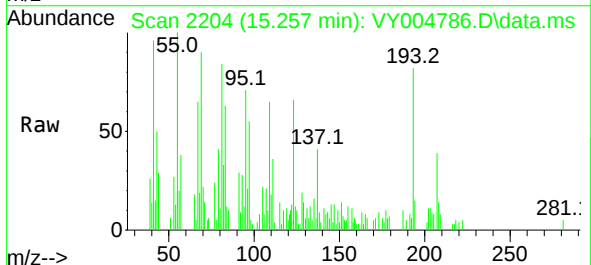
Instrument :
MSVOA_Y
ClientSampleId :

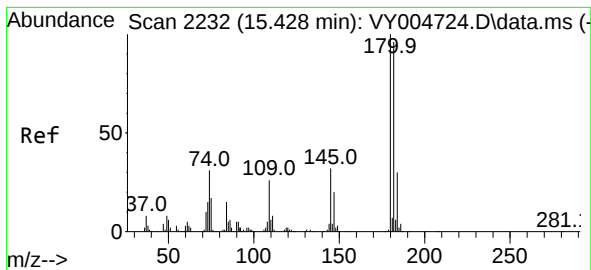
Tgt Ion:180 Resp: 34
Ion Ratio Lower Upper
180 100
182 0.0 46.9 140.8#
145 526.5 15.4 46.4#



#95
Naphthalene
Concen: 1.38 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.018 min
Lab File: VY004786.D
Acq: 14 May 2021 16:31

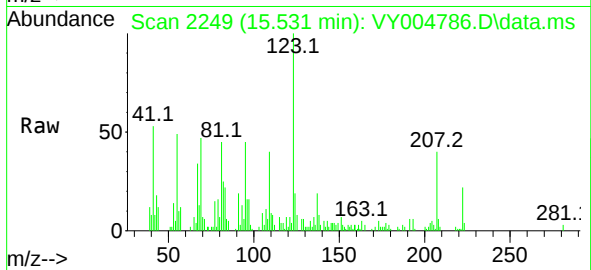
Tgt Ion:128 Resp: 81
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 39.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.99 ug/l
 RT: 15.531 min Scan# 2249
 Delta R.T. 0.103 min
 Lab File: VY004786.D
 Acq: 14 May 2021 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 48
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.7#
 145 0.0 16.3 48.8#

