

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
 Data File : VY004191.D
 Acq On : 24 Mar 2021 17:32
 Operator : SY/MD
 Sample : M1793-01
 Misc : 6.37g/5mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 25 01:21:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

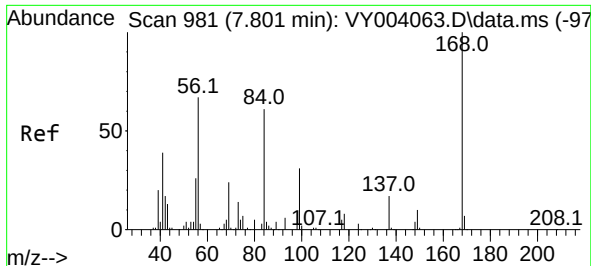
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	220898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	369794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	346882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163915	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	126140	57.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.72%			
35) Dibromofluoromethane	7.728	113	113795	54.57	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.14%			
50) Toluene-d8	10.185	98	437056	53.46	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.92%			
62) 4-Bromofluorobenzene	12.483	95	158844	52.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.22%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	550	Below Cal	#	86
11) Tert butyl alcohol	4.960	59	315	1.60	ug/l #	76
16) Acetone	3.960	43	4343	8.25	ug/l	91
20) Methylene Chloride	4.729	84	8966	Below Cal		93
31) Cyclohexane	7.795	56	4579	1.20	ug/l #	2
36) 1,1-Dichloropropene	7.801	75	16111	4.96	ug/l #	51
38) Carbon Tetrachloride	7.795	117	21912	6.36	ug/l #	17
52) Toluene	10.252	92	8186	1.38	ug/l	98
68) m/p-Xylenes	11.697	106	12617	2.71	ug/l	98
69) o-Xylene	12.032	106	9634	2.19	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	88713	56.44	ug/l #	100
78) n-propylbenzene	12.672	91	18580	1.38	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	39347	4.07	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	88713	111.40	ug/l #	13
83) tert-Butylbenzene	13.123	119	14513	1.75	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.123	105	118400	12.24	ug/l	96
85) sec-Butylbenzene	13.258	105	13362	1.17	ug/l	86
86) p-Isopropyltoluene	13.373	119	10663	1.00	ug/l	96
89) n-Butylbenzene	13.696	91	29442	2.91	ug/l #	74
90) Hexachloroethane	13.971	117	10207	5.34	ug/l #	4
92) 1,2-Dibromo-3-Chloropr...	14.385	75	492	1.32	ug/l #	4
95) Naphthalene	15.239	128	51437	8.50	ug/l #	95

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

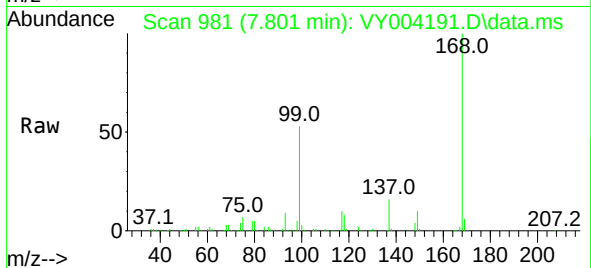
Quant Time: Mar 25 01:21:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
Response via : Initial Calibration



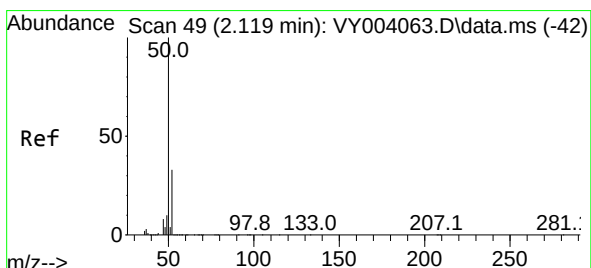
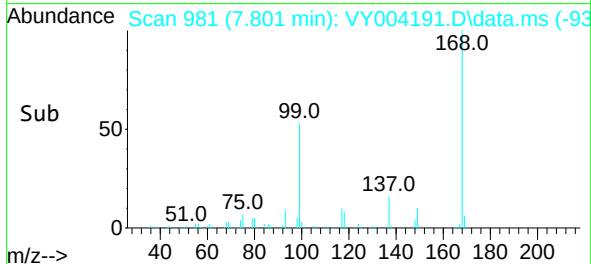
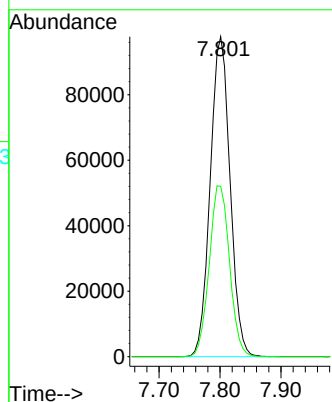


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Instrument :
MSVOA_Y
ClientSampled :

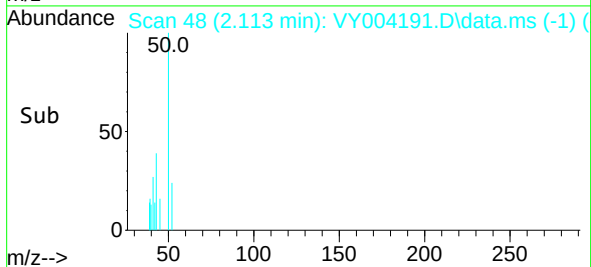
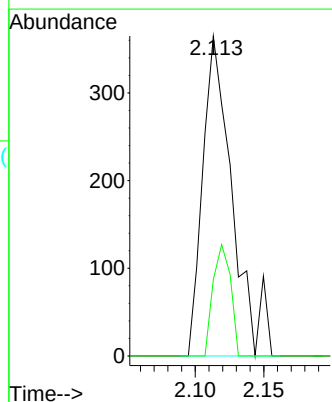
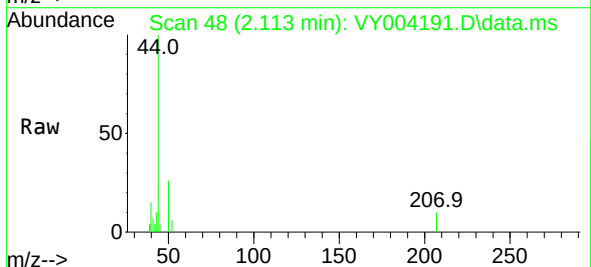


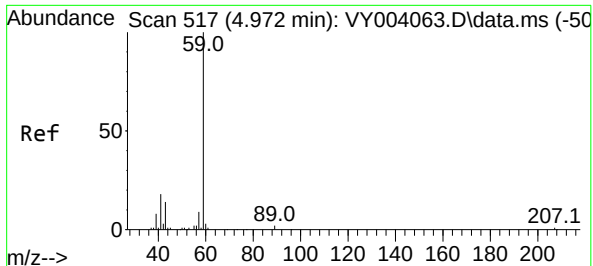
Tgt Ion:168 Resp: 220898
Ion Ratio Lower Upper
168 100
99 53.3 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 50 Resp: 550
Ion Ratio Lower Upper
50 100
52 23.8 25.4 38.2#

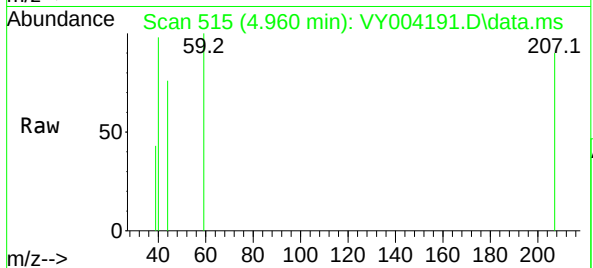




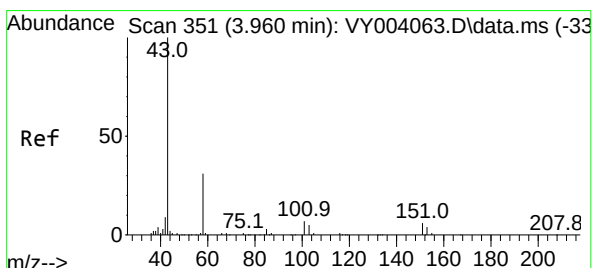
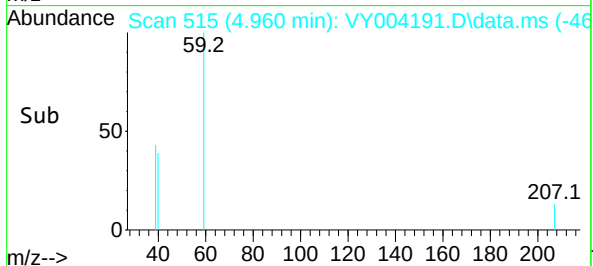
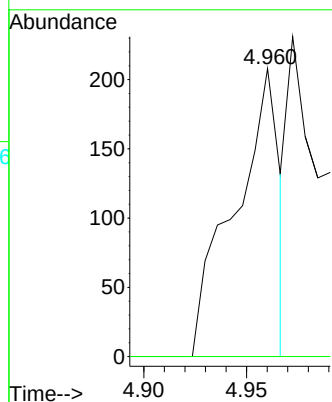
#11

Tert butyl alcohol
Concen: 1.60 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Instrument :
MSVOA_Y
ClientSampled :



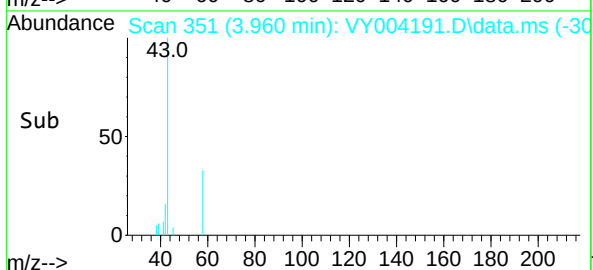
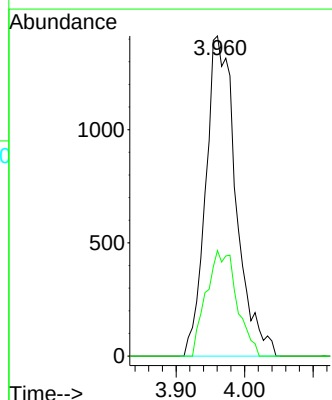
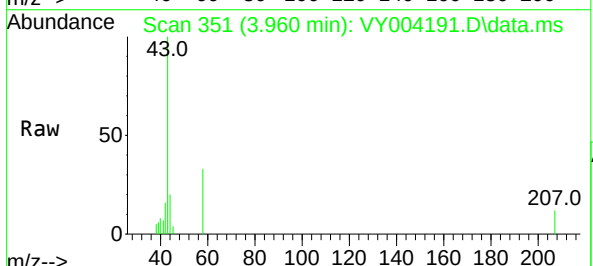
Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

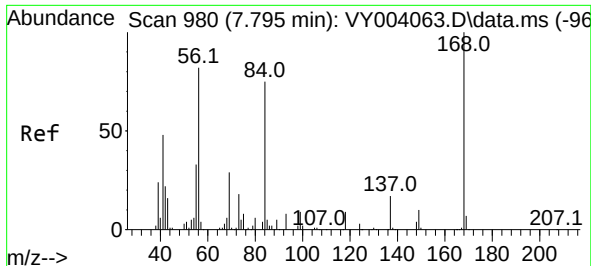


#16

Acetone
Concen: 8.25 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

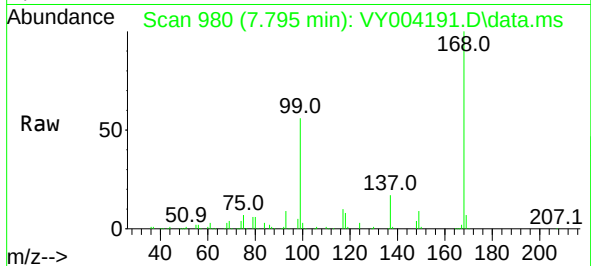
Tgt Ion: 43 Resp: 4343
Ion Ratio Lower Upper
43 100
58 33.0 22.6 34.0



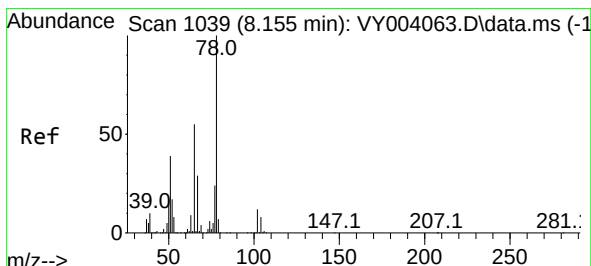
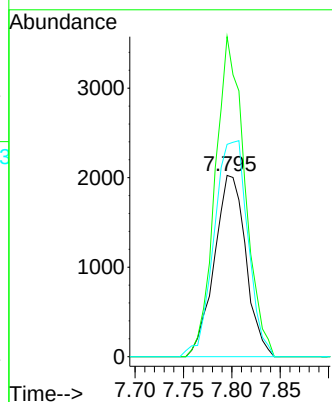
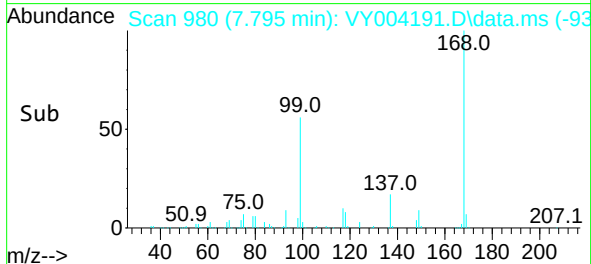


#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

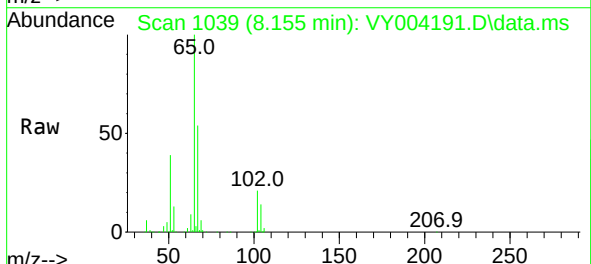
Instrument :
MSVOA_Y
ClientSampled :



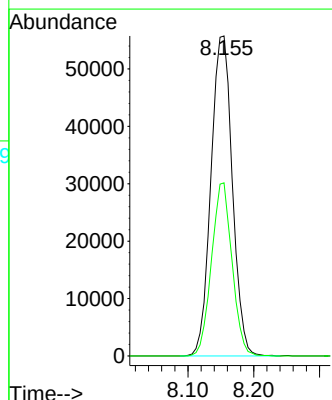
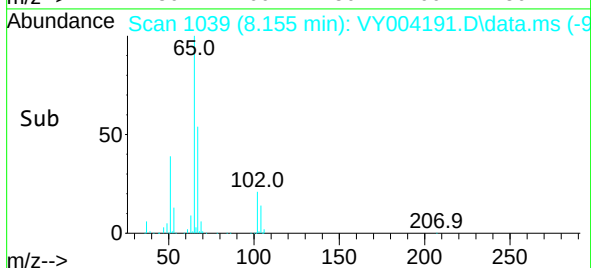
Tgt Ion: 56 Resp: 4579
Ion Ratio Lower Upper
56 100
69 176.5 25.3 37.9#
84 117.1 67.3 100.9#

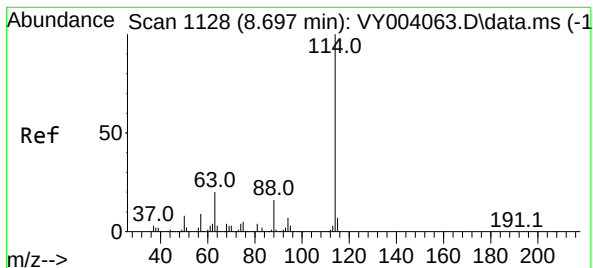


#33
1,2-Dichloroethane-d4
Concen: 57.86 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32



Tgt Ion: 65 Resp: 126140
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004191.D

Acq: 24 Mar 2021 17:32

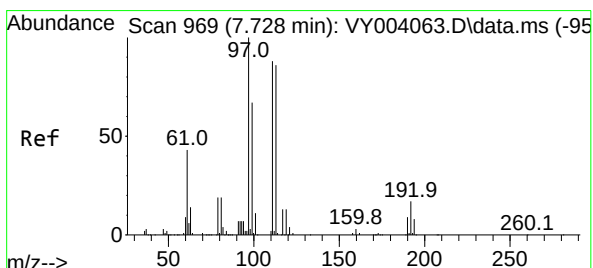
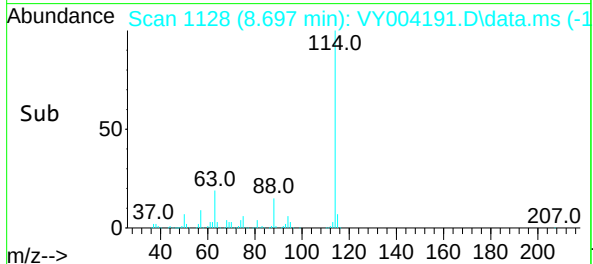
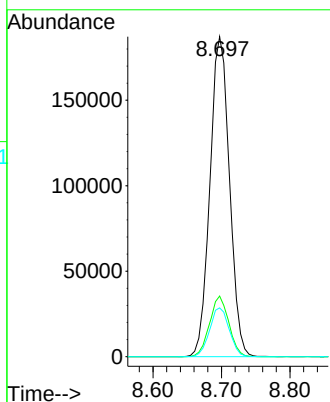
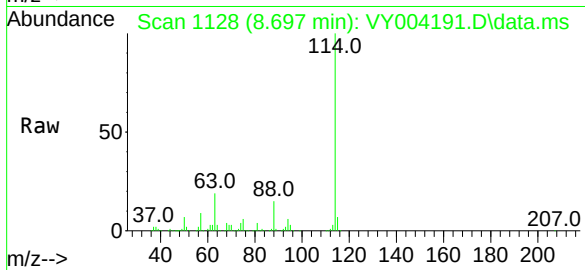
Tgt Ion:114 Resp: 369794

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.57 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004191.D

Acq: 24 Mar 2021 17:32

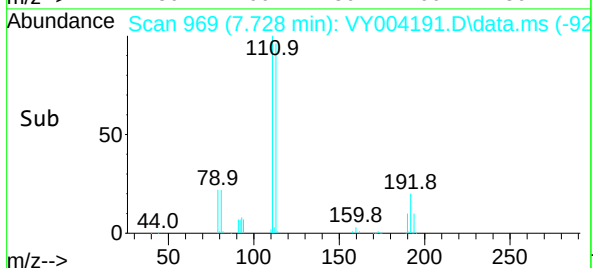
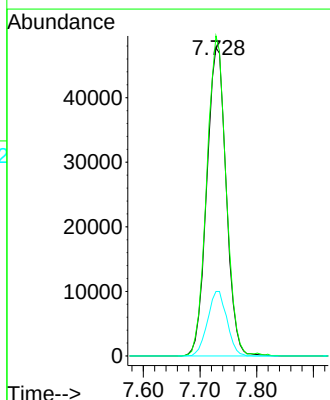
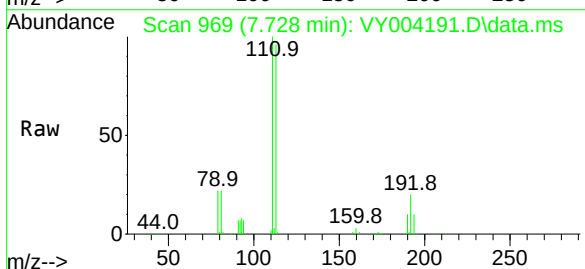
Tgt Ion:113 Resp: 113795

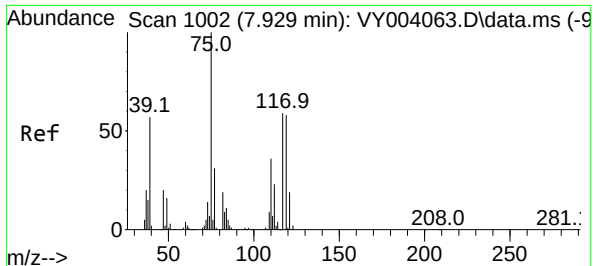
Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 20.9 18.5 27.7

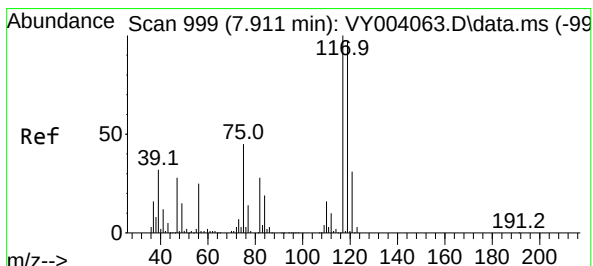
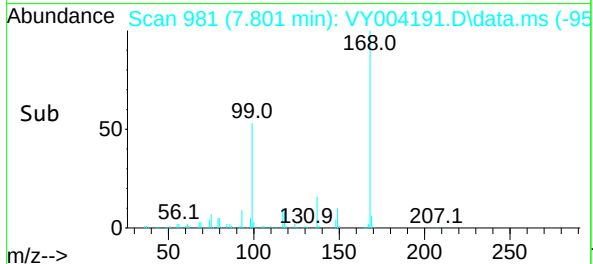
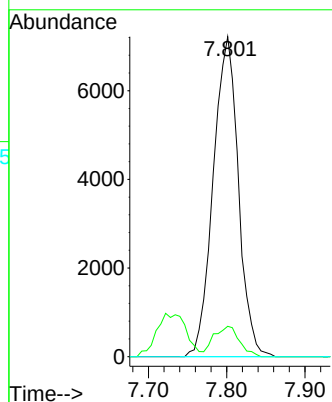
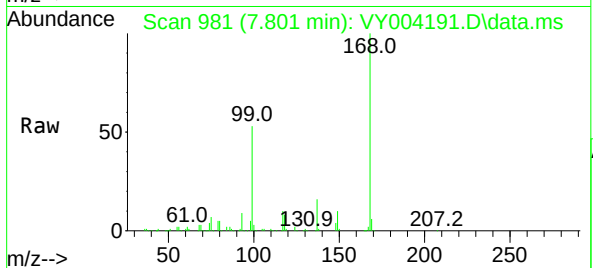




#36
1,1-Dichloropropene
Concen: 4.96 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

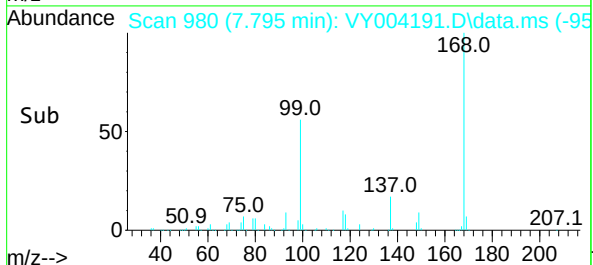
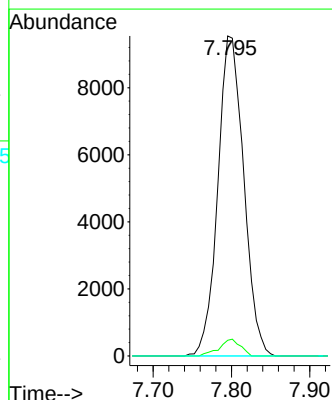
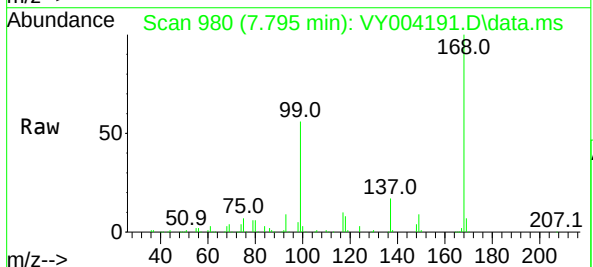
Instrument :
MSVOA_Y
ClientSampleId :

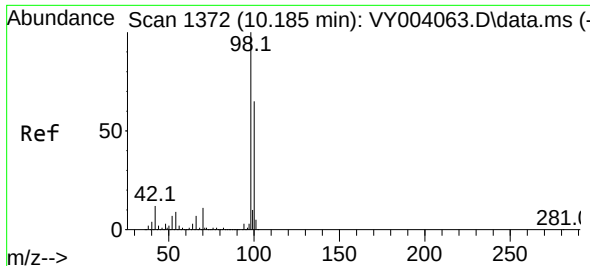
Tgt Ion: 75 Resp: 16111
Ion Ratio Lower Upper
75 100
110 9.6 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 117 Resp: 21912
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.0#
121 0.0 24.2 36.2#

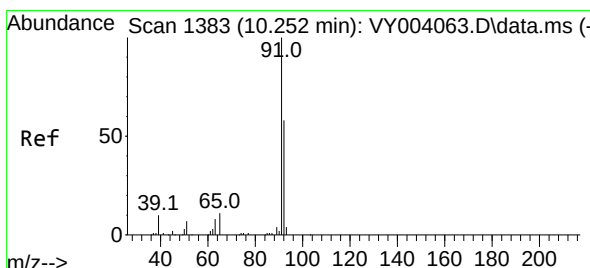
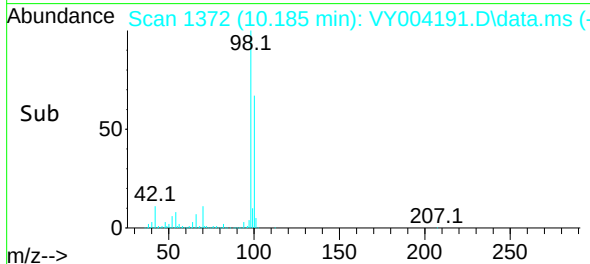
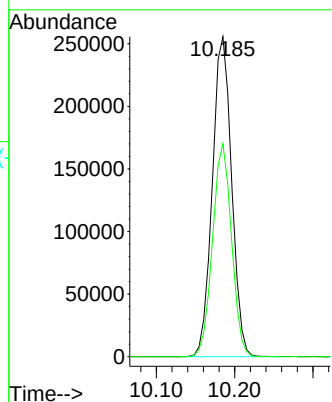
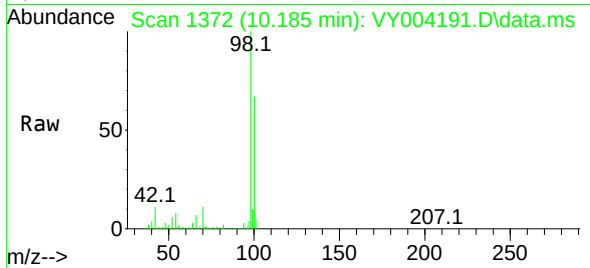




#50
Toluene-d8
Concen: 53.46 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

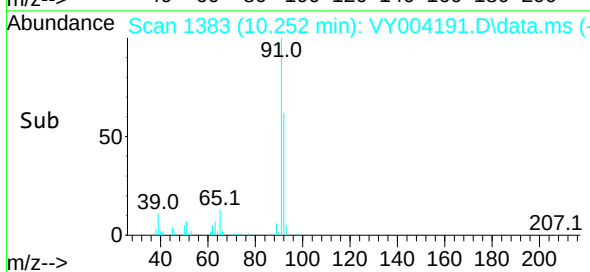
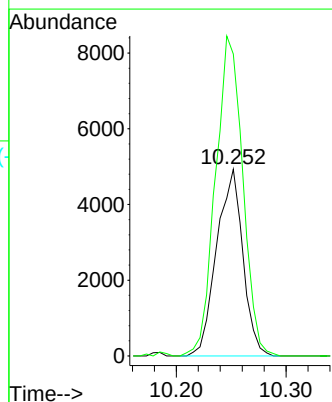
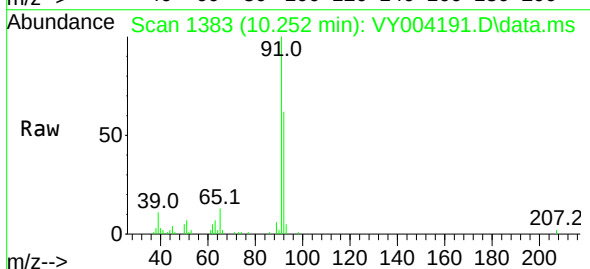
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MSVOA_Y
ClientSampled :

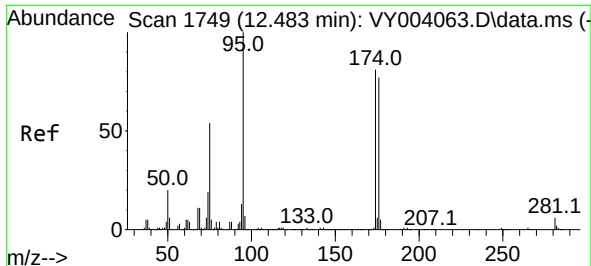
Tgt Ion: 98 Resp: 437056
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#52
Toluene
Concen: 1.38 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 92 Resp: 8186
Ion Ratio Lower Upper
92 100
91 178.3 141.0 211.4

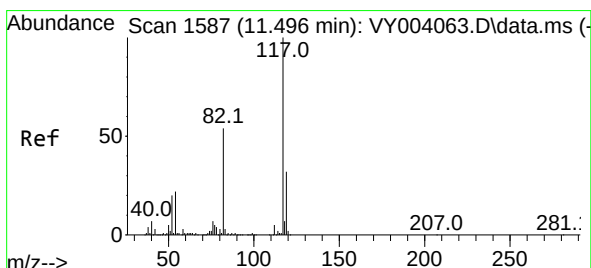
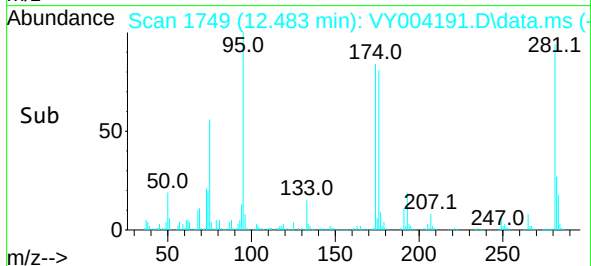
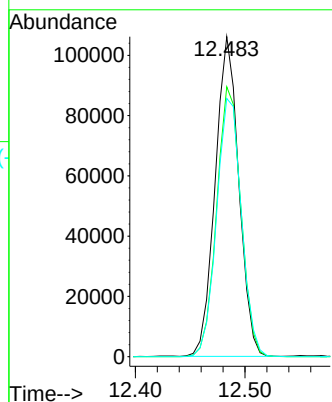
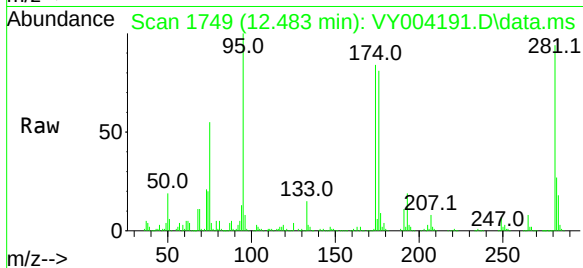




#62
4-Bromofluorobenzene
Concen: 52.61 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

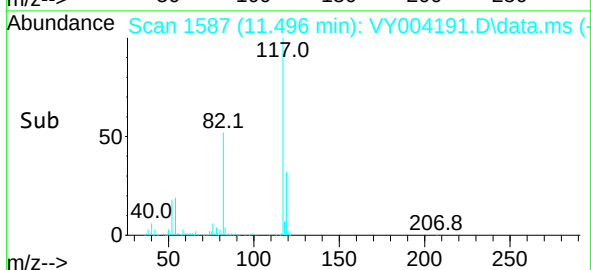
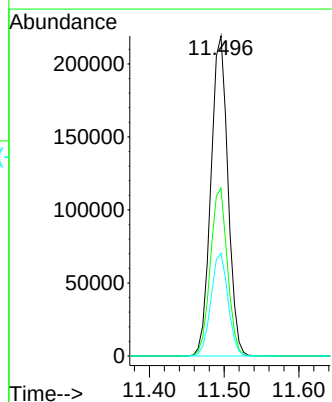
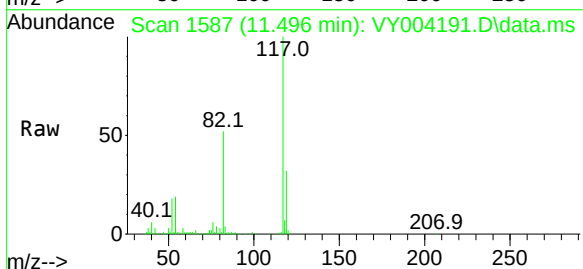
Instrument :
MSVOA_Y
ClientSampleId :

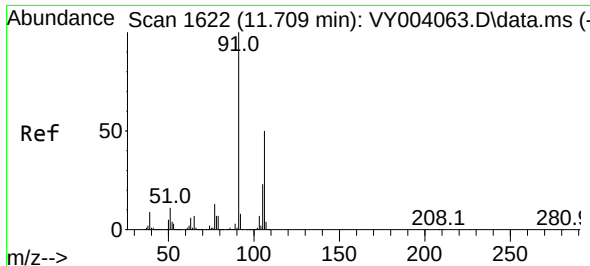
Tgt Ion: 95 Resp: 158844
Ion Ratio Lower Upper
95 100
174 86.5 0.0 179.0
176 84.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 117 Resp: 346882
Ion Ratio Lower Upper
117 100
82 52.4 43.8 65.6
119 32.1 26.2 39.2

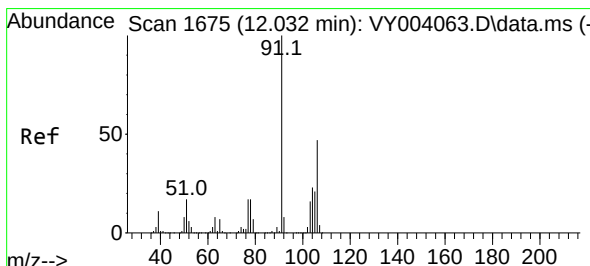
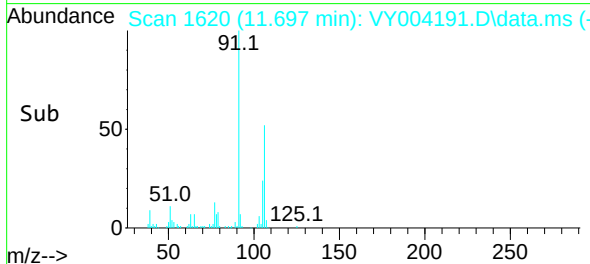
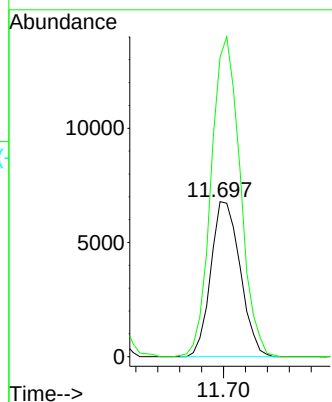
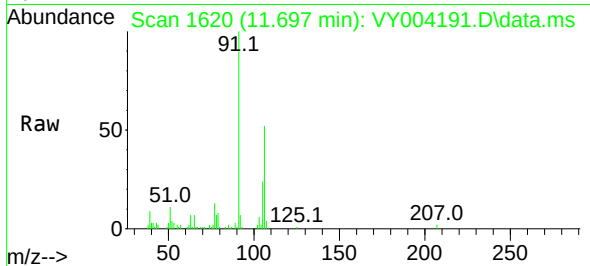




#68
m/p-Xylenes
Concen: 2.71 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

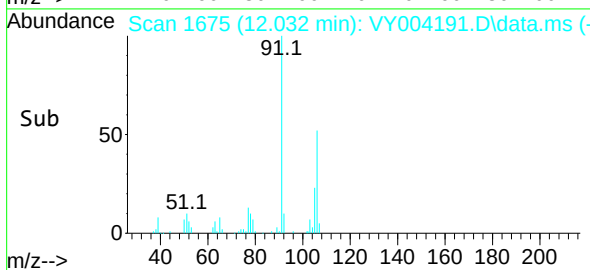
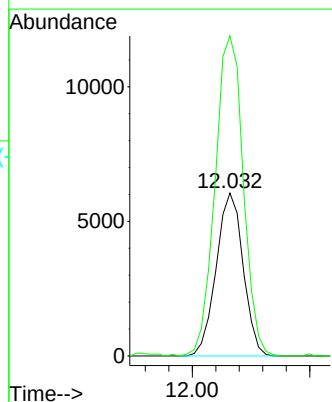
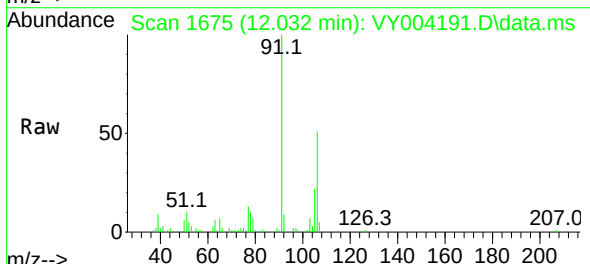
Instrument :
MSVOA_Y
ClientSampled :

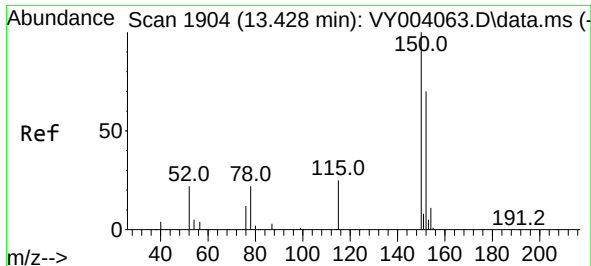
Tgt Ion:106 Resp: 12617
Ion Ratio Lower Upper
106 100
91 203.9 165.4 248.0



#69
o-Xylene
Concen: 2.19 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion:106 Resp: 9634
Ion Ratio Lower Upper
106 100
91 205.8 108.9 326.7

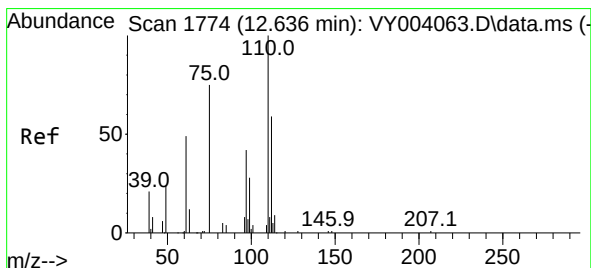
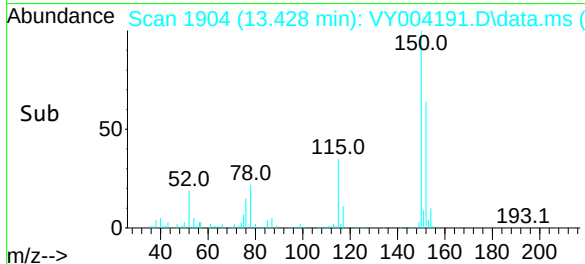
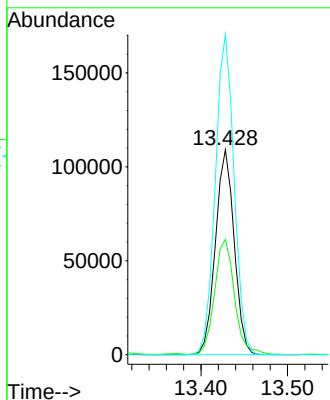
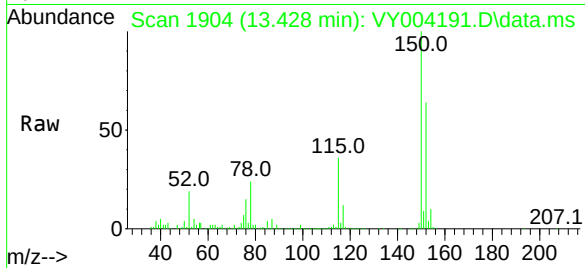




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

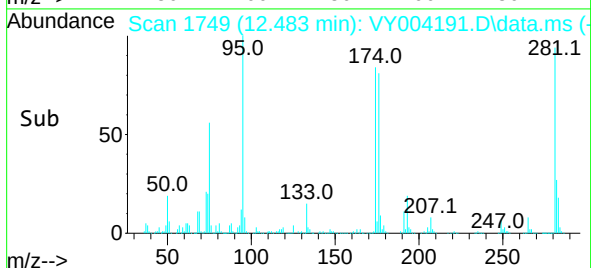
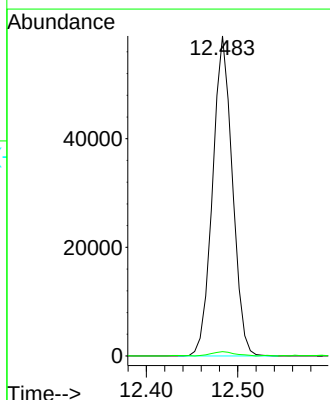
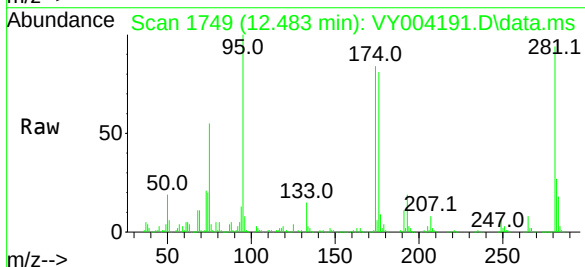
Instrument :
MSVOA_Y
ClientSampleId :

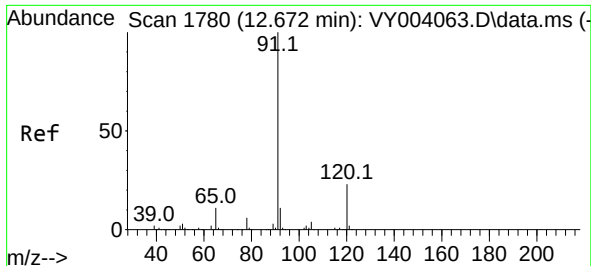
Tgt Ion:152 Resp: 163915
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.6
150 156.6 0.0 347.2



#76
1,2,3-Trichloropropane
Concen: 56.44 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 75 Resp: 88713
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

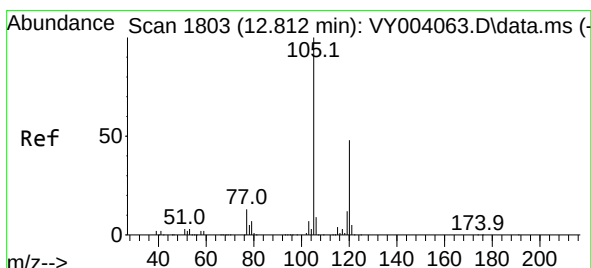
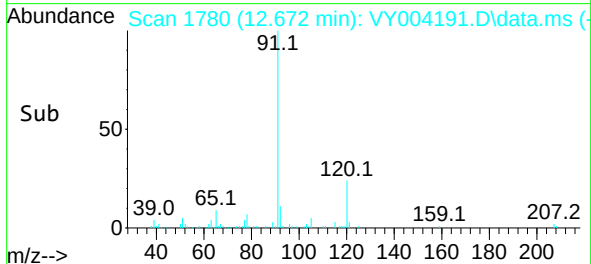
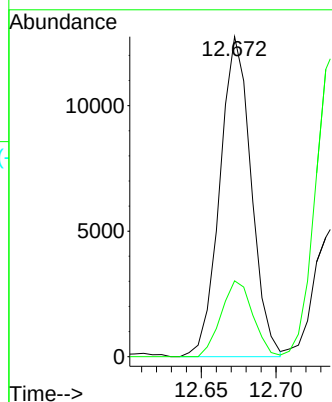
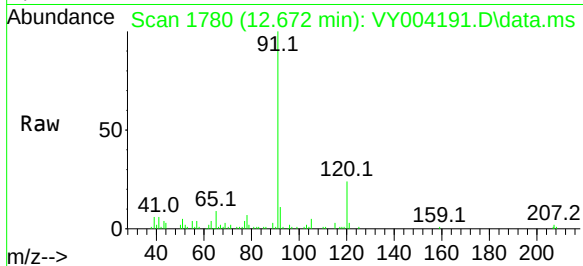




#78
n-propylbenzene
Concen: 1.38 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

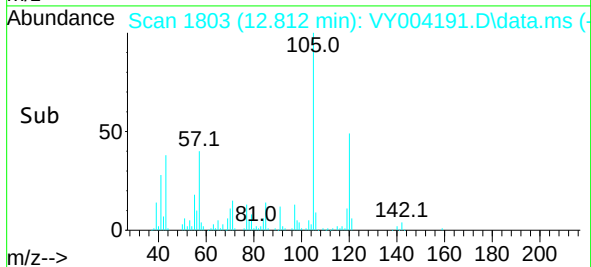
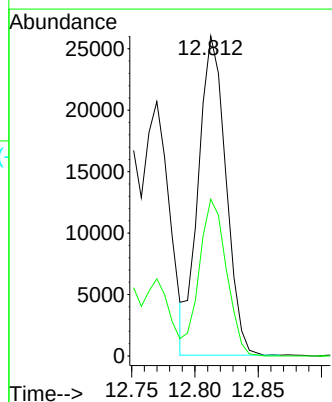
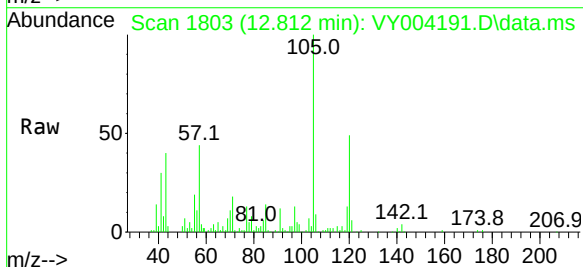
Instrument :
MSVOA_Y
ClientSampled :

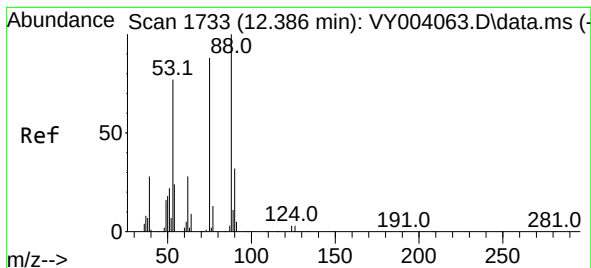
Tgt Ion: 91 Resp: 18580
Ion Ratio Lower Upper
91 100
120 24.0 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 4.07 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

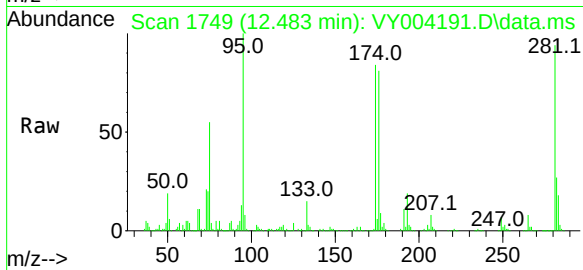
Tgt Ion: 105 Resp: 39347
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.2



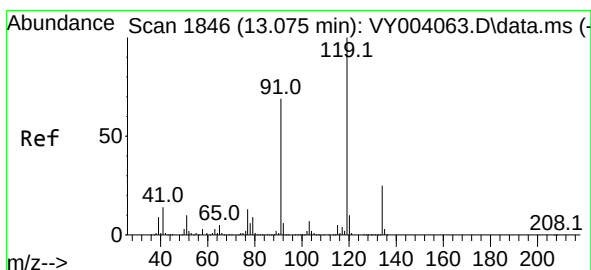
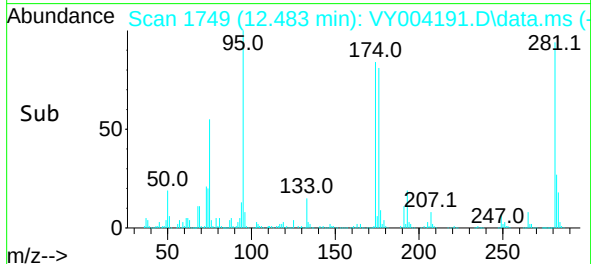
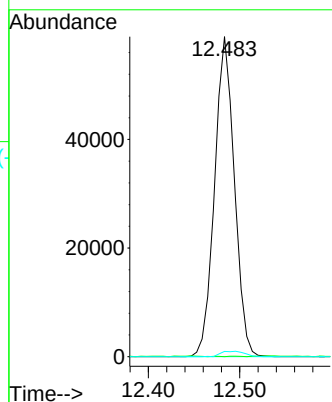


#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.40 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.097 min
 Lab File: VY004191.D
 Acq: 24 Mar 2021 17:32

Instrument :
 MSVOA_Y
 ClientSampled :

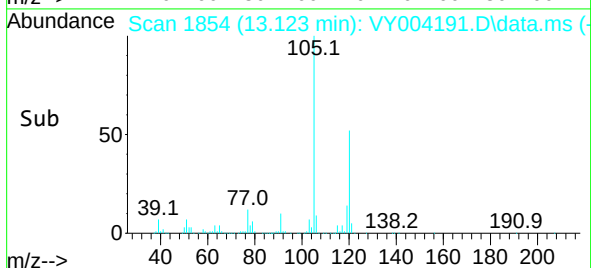
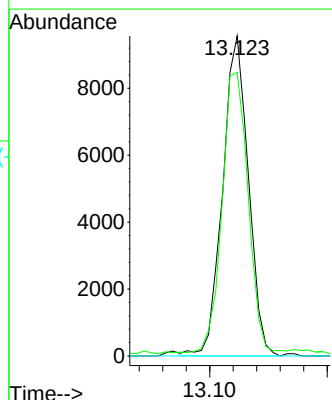
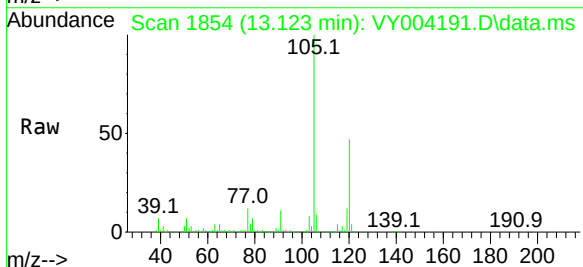


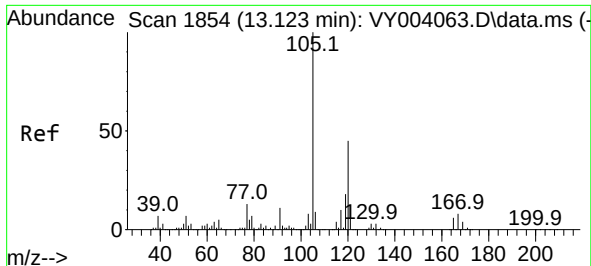
Tgt Ion: 75 Resp: 88713
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 0.0 35.7 53.5#



#83
 tert-Butylbenzene
 Concen: 1.75 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.048 min
 Lab File: VY004191.D
 Acq: 24 Mar 2021 17:32

Tgt Ion: 119 Resp: 14513
 Ion Ratio Lower Upper
 119 100
 91 90.0 33.0 99.0
 134 0.0 12.9 38.7#

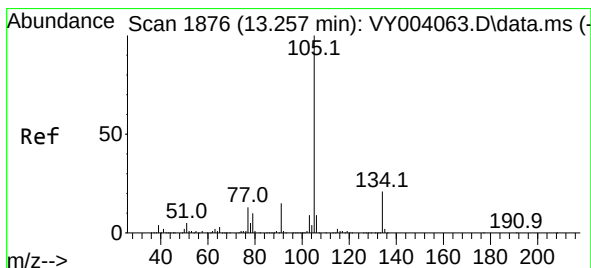
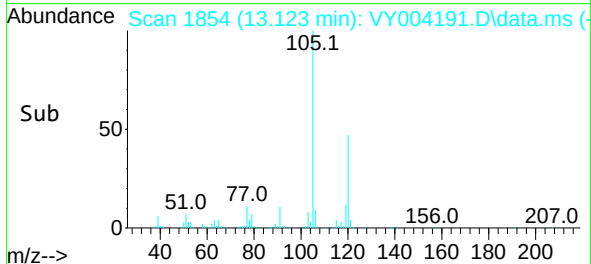
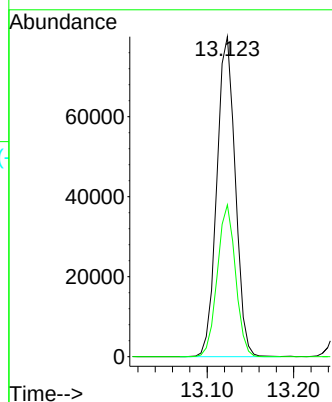
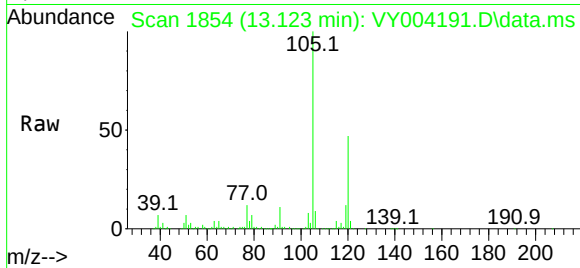




#84
1,2,4-Trimethylbenzene
Concen: 12.24 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

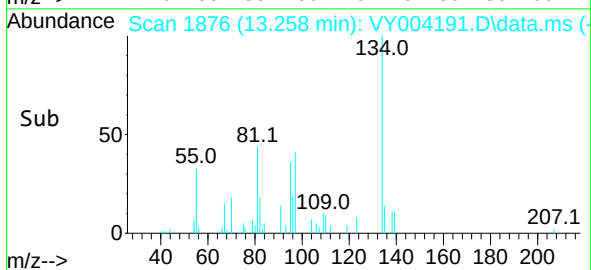
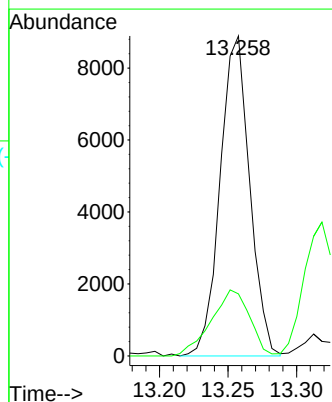
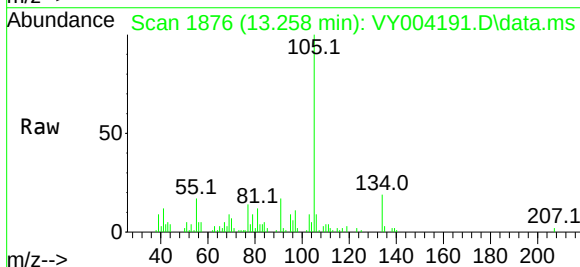
Instrument :
MSVOA_Y
ClientSampled :

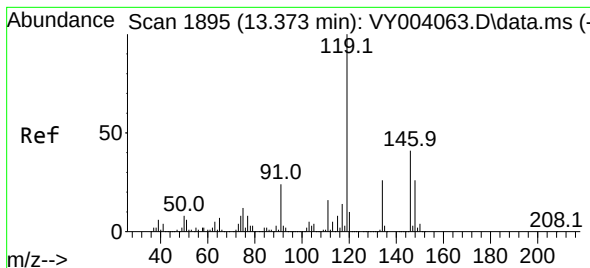
Tgt Ion:105 Resp: 118400
Ion Ratio Lower Upper
105 100
120 46.8 22.1 66.3



#85
sec-Butylbenzene
Concen: 1.17 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.001 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion:105 Resp: 13362
Ion Ratio Lower Upper
105 100
134 26.8 10.2 30.4

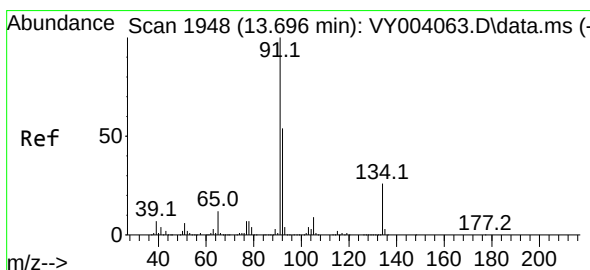
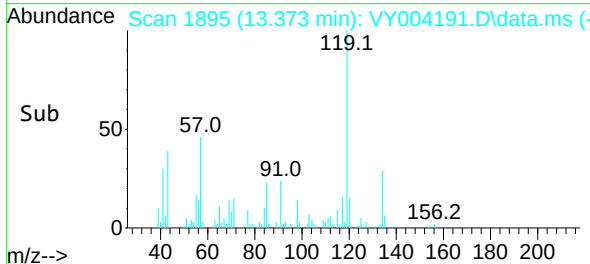
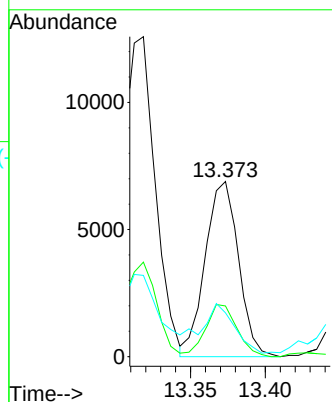
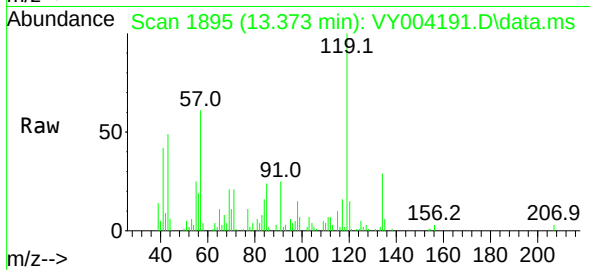




#86
p-Isopropyltoluene
Concen: 1.00 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

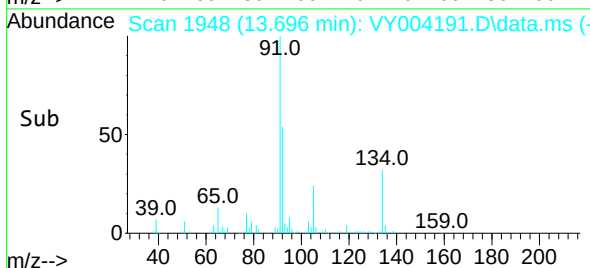
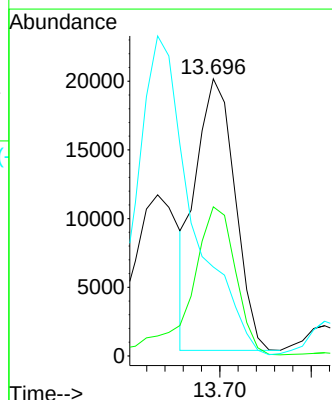
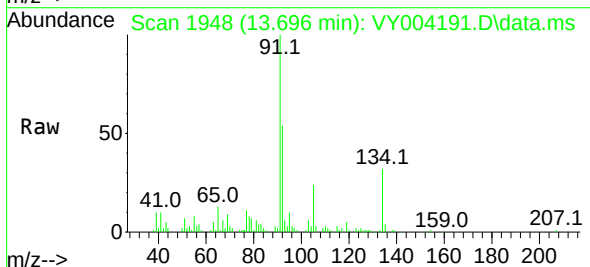
Instrument :
MSVOA_Y
ClientSampled :

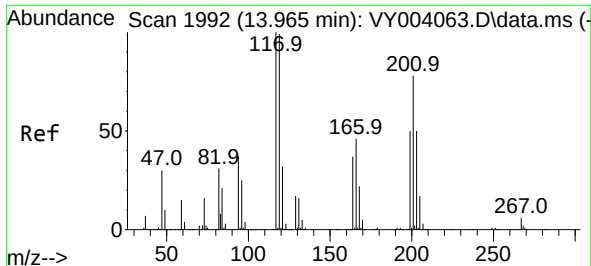
Tgt Ion:119 Resp: 10663
Ion Ratio Lower Upper
119 100
134 28.1 13.2 39.5
91 21.8 12.1 36.3



#89
n-Butylbenzene
Concen: 2.91 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 91 Resp: 29442
Ion Ratio Lower Upper
91 100
92 62.4 26.5 79.4
134 0.0 13.2 39.5#

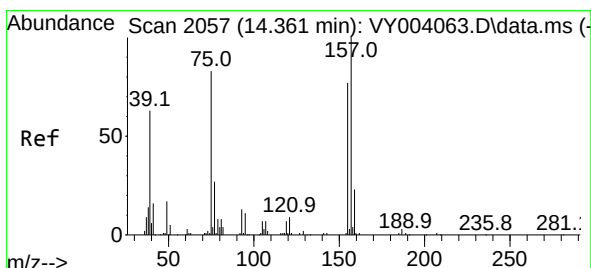
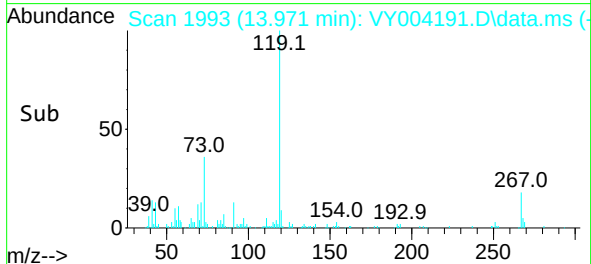
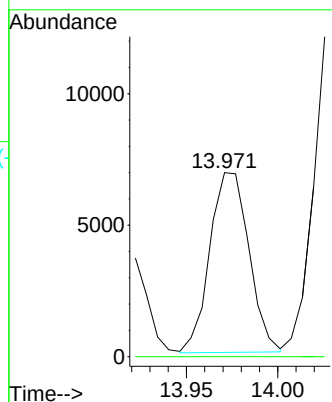
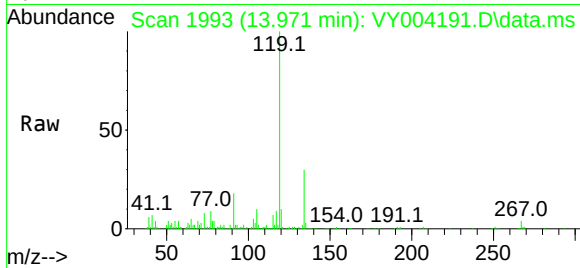




#90
Hexachloroethane
Concen: 5.34 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

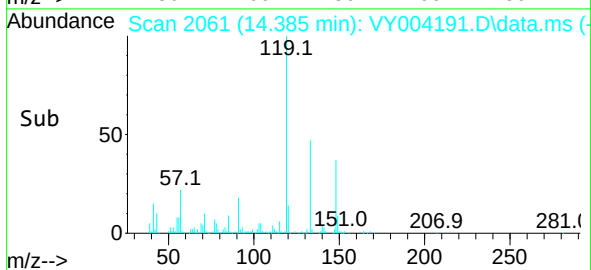
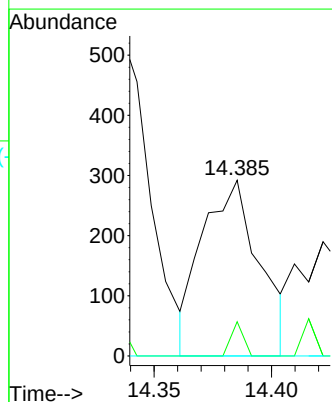
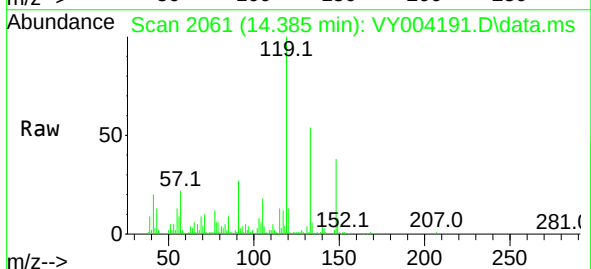
Instrument :
MSVOA_Y
ClientSampled :

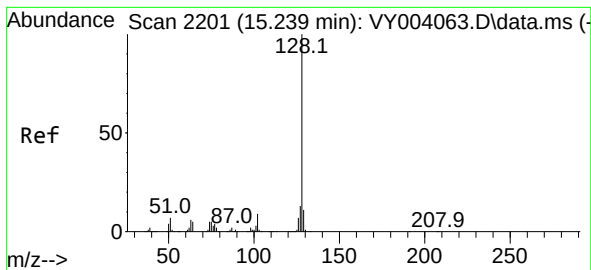
Tgt Ion:117 Resp: 10207
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.32 ug/l
RT: 14.385 min Scan# 2061
Delta R.T. 0.024 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Tgt Ion: 75 Resp: 492
Ion Ratio Lower Upper
75 100
155 4.3 42.8 128.4#
157 0.0 52.4 157.3#





#95
Naphthalene
Concen: 8.50 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004191.D
Acq: 24 Mar 2021 17:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 51437
Ion Ratio Lower Upper
128 100
127 14.1 10.6 16.0
129 13.9 8.7 13.1#

