

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
 Data File : VY005225.D
 Acq On : 25 Jun 2021 14:07
 Operator : SY/MD
 Sample : M2859-01
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PILE-1-062421

Quant Time: Jun 26 05:11:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

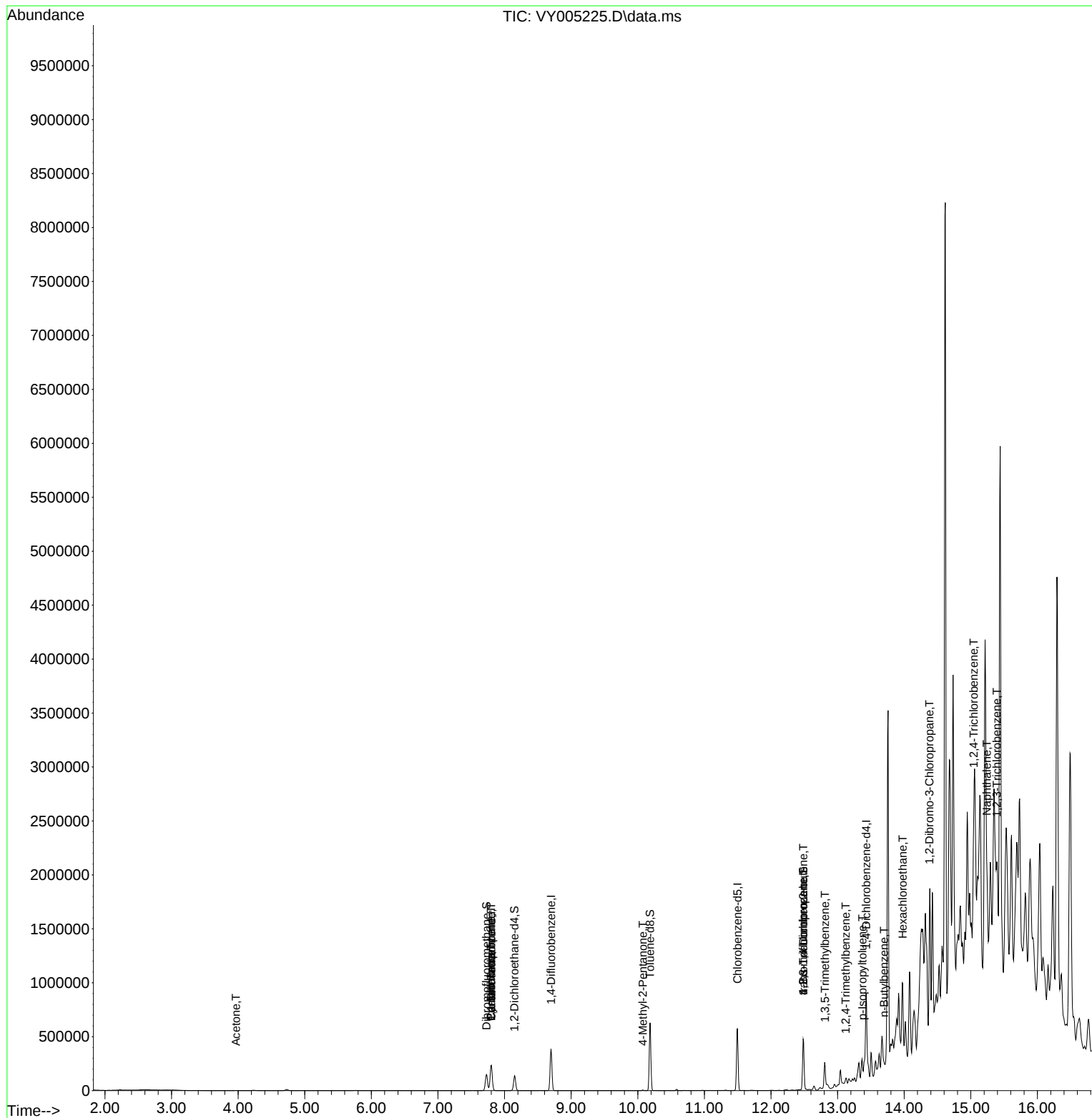
Internal Standards						
1) Pentafluorobenzene	7.801	168	208997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	340913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	330233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	107133	61.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.540%			
35) Dibromofluoromethane	7.728	113	105672	52.559	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.120%			
50) Toluene-d8	10.185	98	415545	51.682	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.483	95	137638	51.371	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.740%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	1547	Below Cal	#	77
16) Acetone	3.967	43	2312	5.770	ug/l #	77
20) Methylene Chloride	4.729	84	7998	Below Cal		97
31) Cyclohexane	7.795	56	3154	1.019	ug/l #	2
36) 1,1-Dichloropropene	7.795	75	13176	4.389	ug/l #	48
38) Carbon Tetrachloride	7.801	117	17835	5.675	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	3815	2.562	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	66871	46.389	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	10630	1.219	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	66871	86.551	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	24002	2.784	ug/l	99
86) p-Isopropyltoluene	13.373	119	13903	1.425	ug/l	99
89) n-Butylbenzene	13.697	91	22137	2.582	ug/l #	58
90) Hexachloroethane	13.977	117	23585	13.378	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.379	75	1638	4.734	ug/l #	30
93) 1,2,4-Trichlorobenzene	15.044	180	8671	2.598	ug/l #	1
95) Naphthalene	15.239	128	412401	66.959	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.391	180	15666	5.331	ug/l #	1

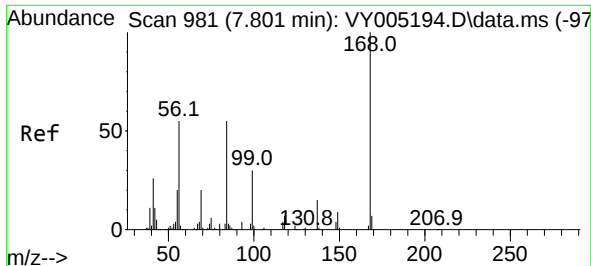
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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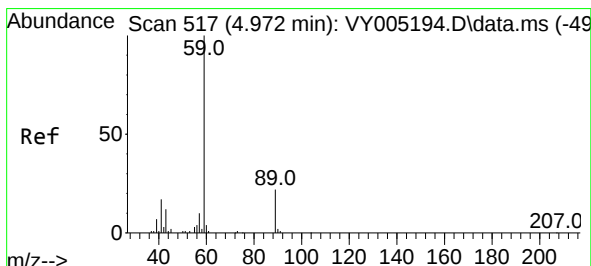
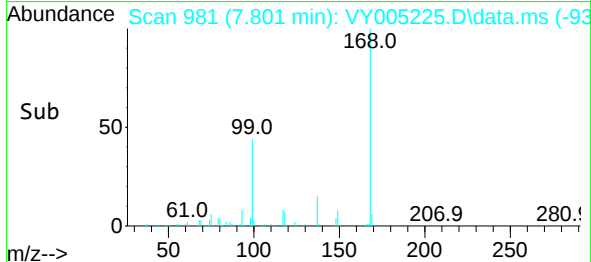
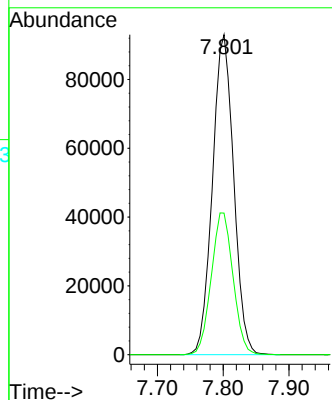
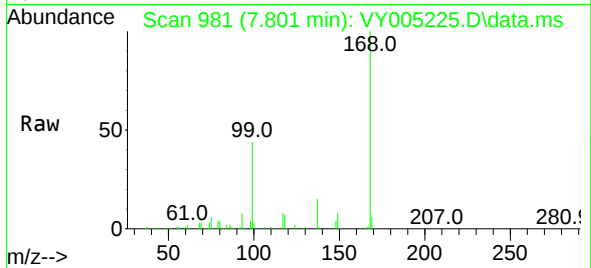




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

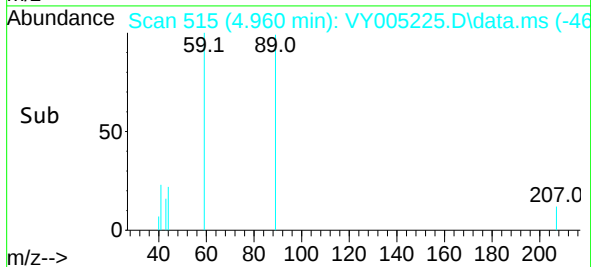
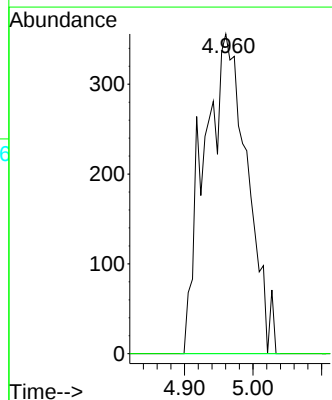
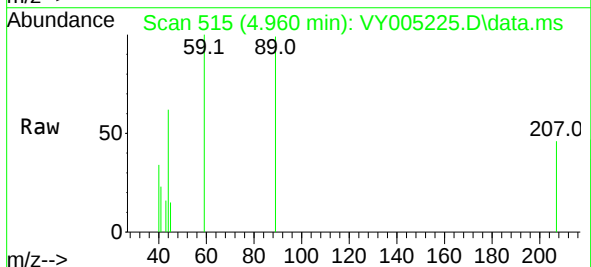
Instrument :
MSVOA_Y
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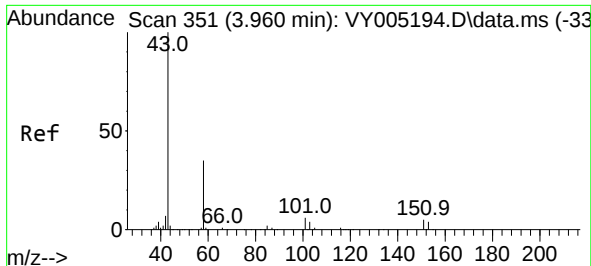
Tgt Ion:168 Resp: 208997
Ion Ratio Lower Upper
168 100
99 44.2 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 59 Resp: 1547
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

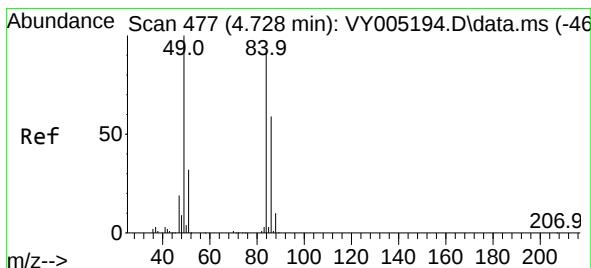
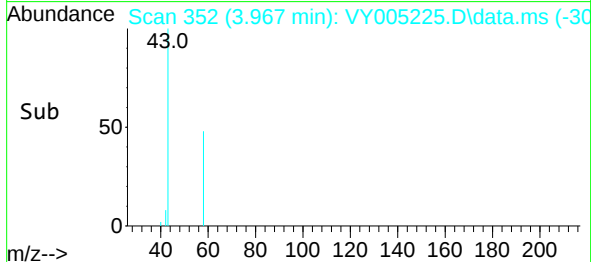
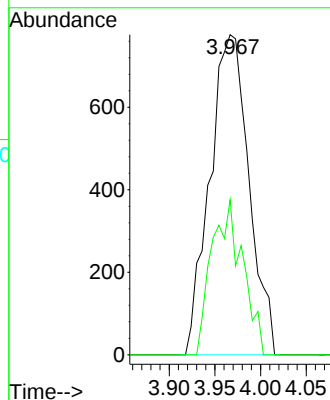
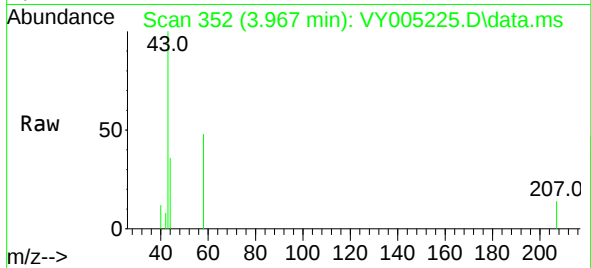




#16
Acetone
Concen: 5.770 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

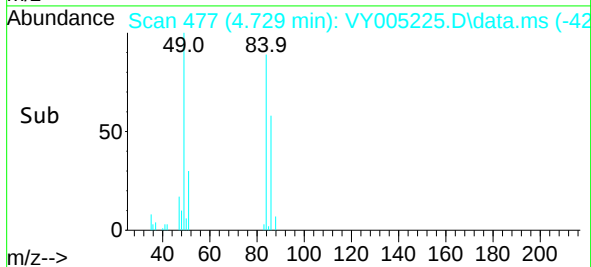
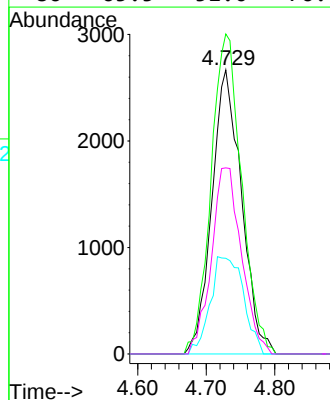
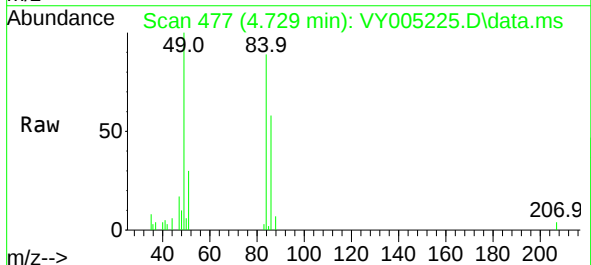
Instrument :
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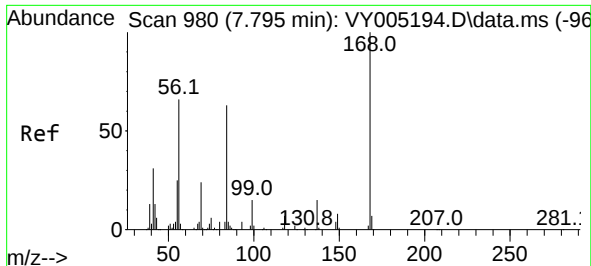
Tgt Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
58 48.5 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 84 Resp: 7998
Ion Ratio Lower Upper
84 100
49 112.7 86.9 130.3
51 33.7 27.4 41.2
86 65.5 51.0 76.6

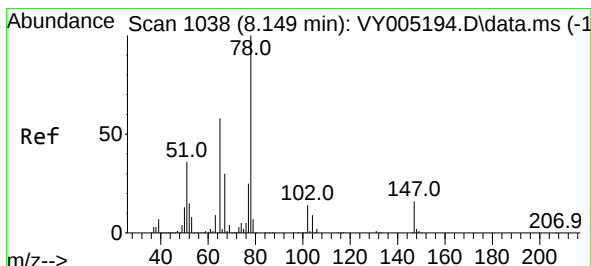
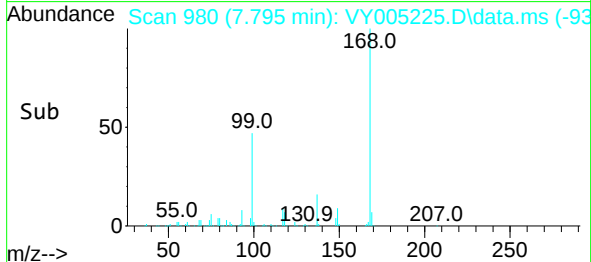
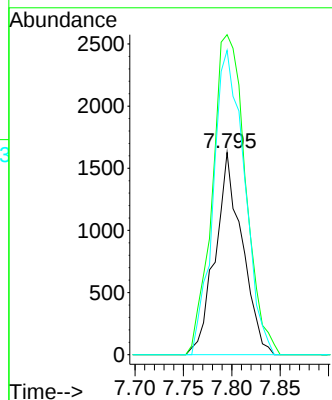
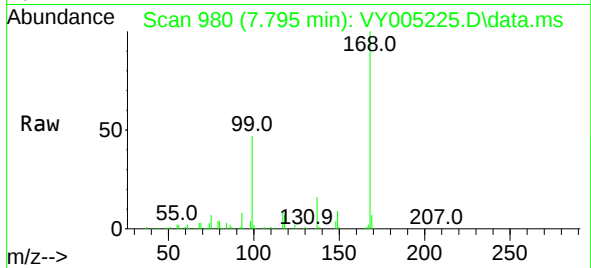




#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

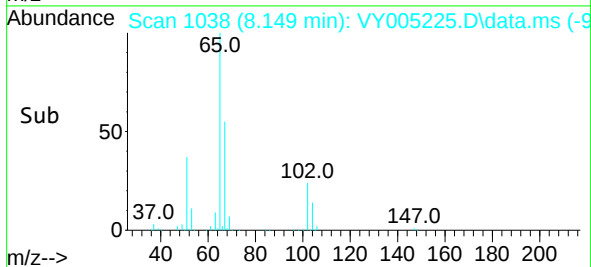
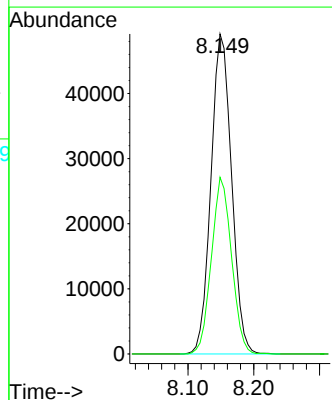
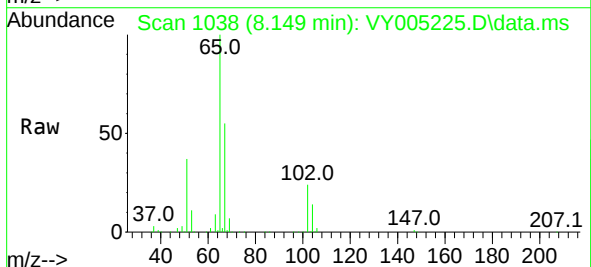
Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

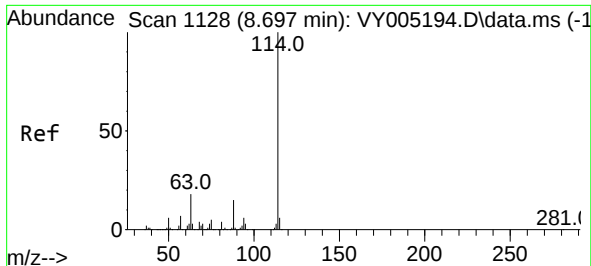
Tgt Ion: 56 Resp: 3154
Ion Ratio Lower Upper
56 100
69 158.3 29.6 44.4#
84 150.5 76.4 114.6#



#33
1,2-Dichloroethane-d4
Concen: 61.770 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 65 Resp: 107133
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.6

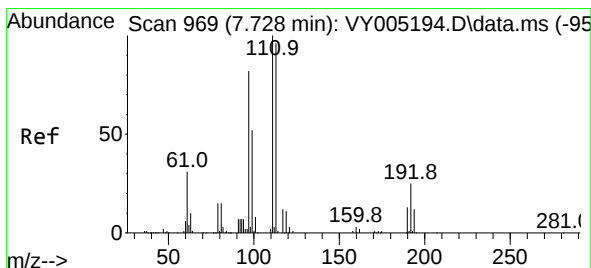
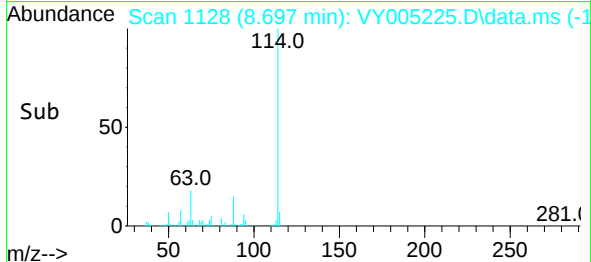
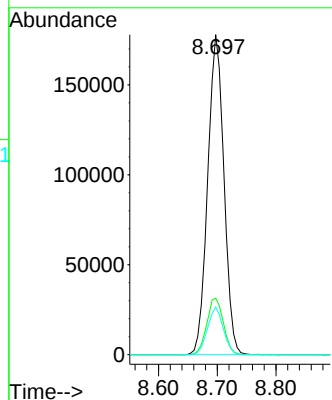
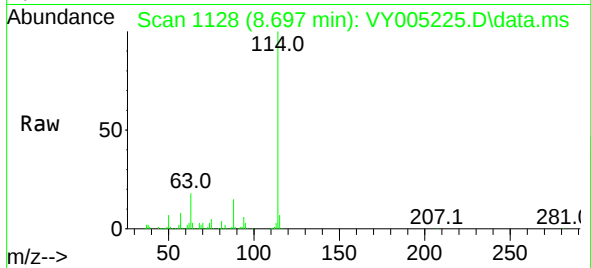




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

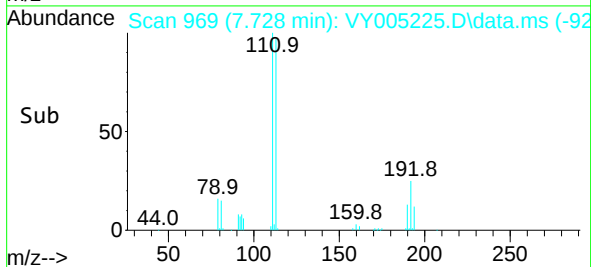
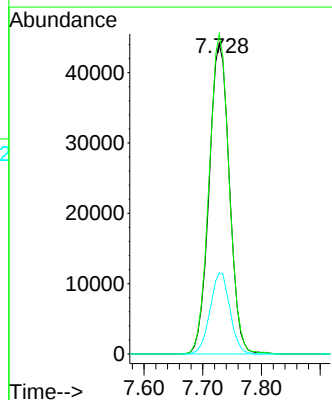
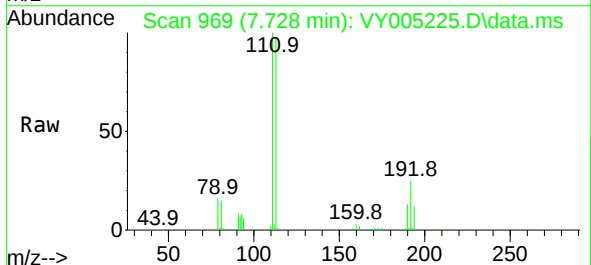
Instrument :
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ClientSampleId :
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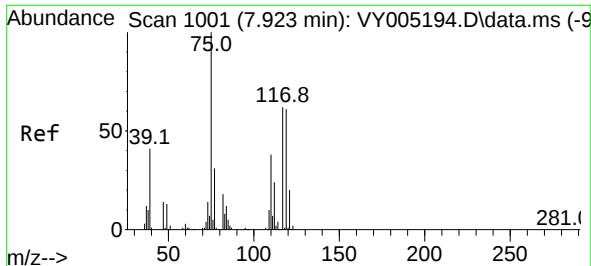
Tgt Ion:114 Resp: 340913
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.2
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 52.559 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion:113 Resp: 105672
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 25.6 20.2 30.2

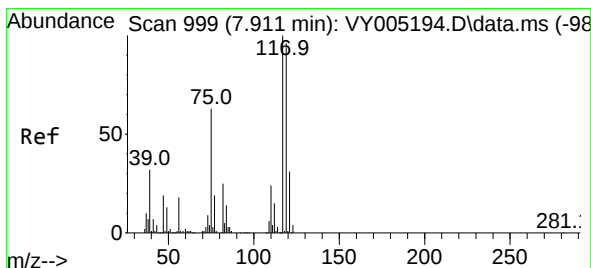
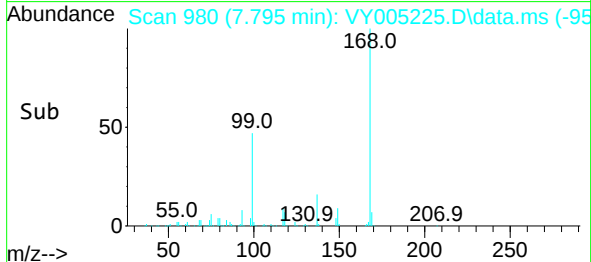
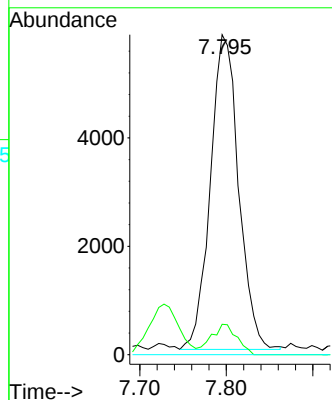
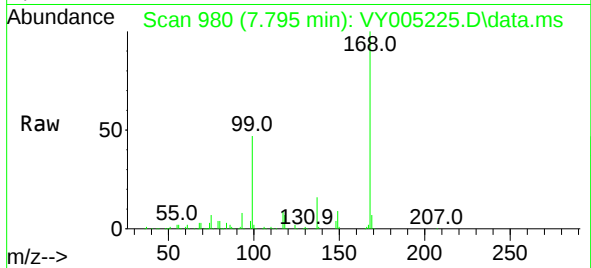




#36
1,1-Dichloropropene
Concen: 4.389 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

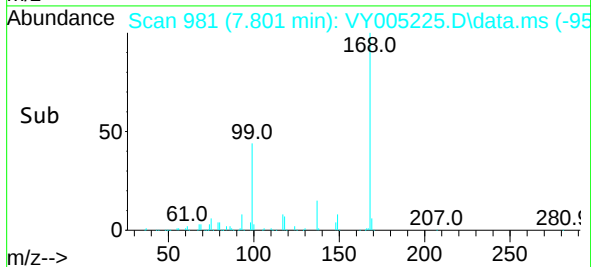
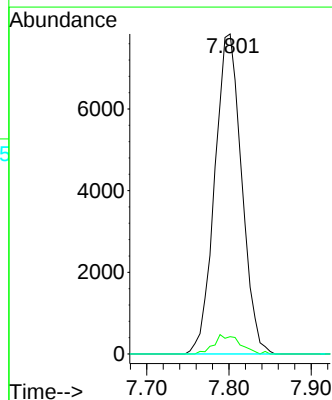
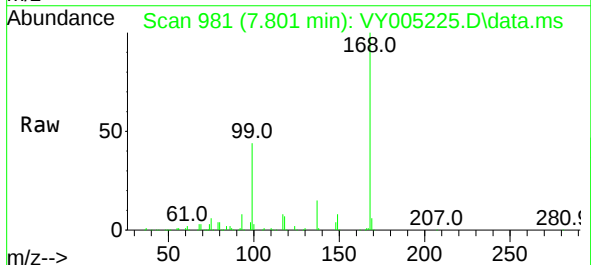
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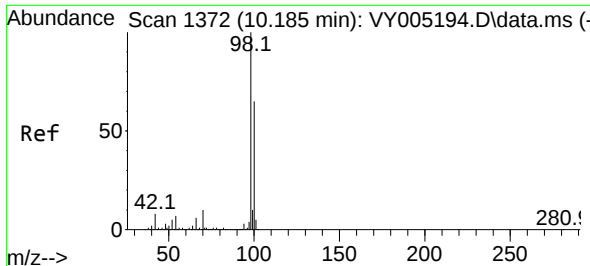
Tgt Ion: 75 Resp: 13176
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.5#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 117 Resp: 17835
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.4#
121 0.0 24.7 37.1#

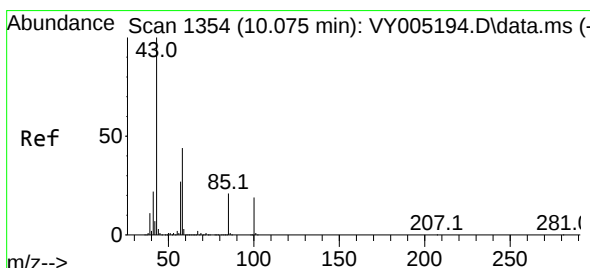
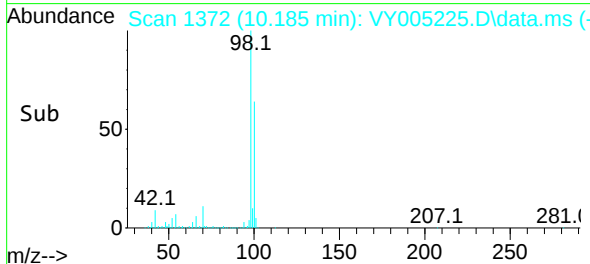
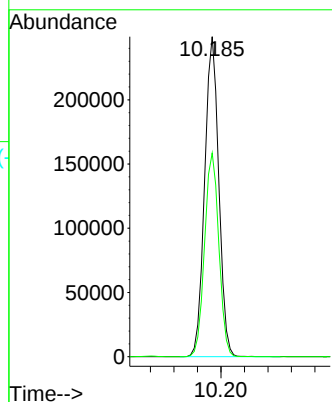
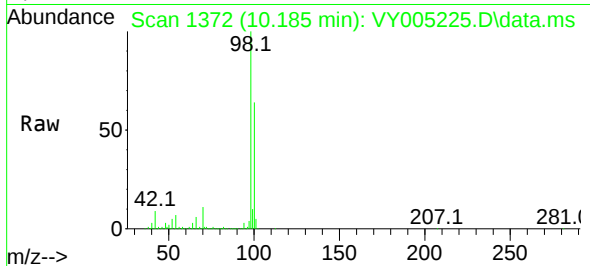




#50
Toluene-d8
Concen: 51.682 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

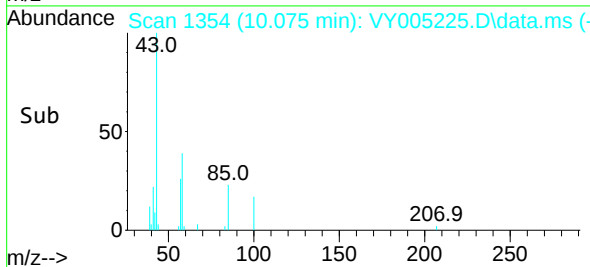
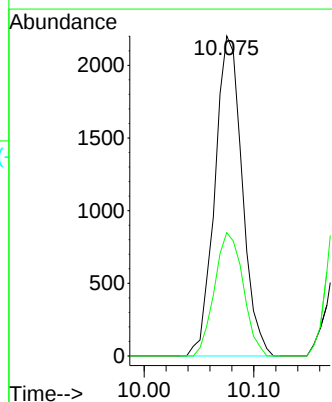
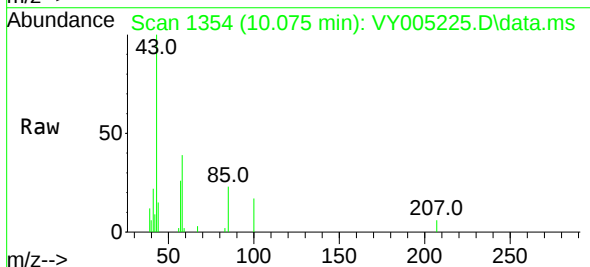
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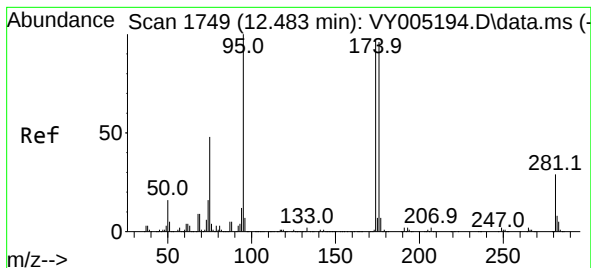
Tgt Ion: 98 Resp: 415545
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 2.562 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 43 Resp: 3815
Ion Ratio Lower Upper
43 100
58 40.2 35.3 52.9

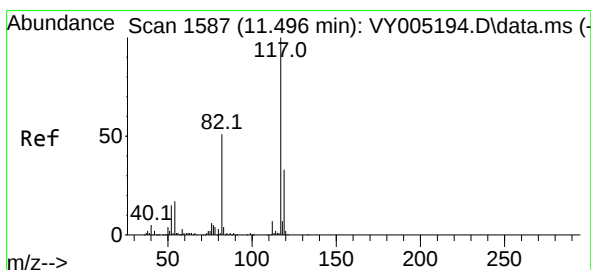
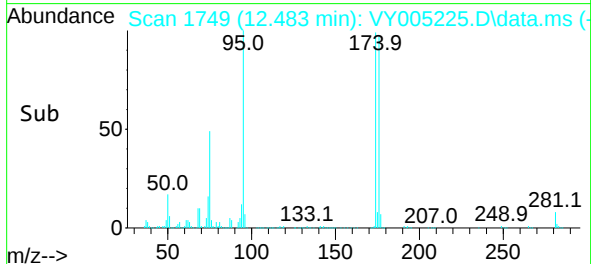
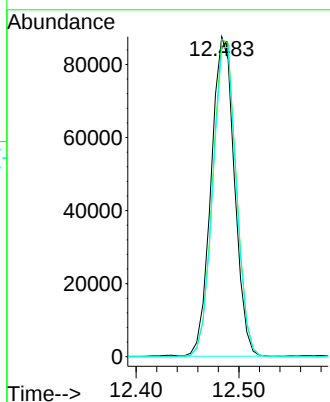
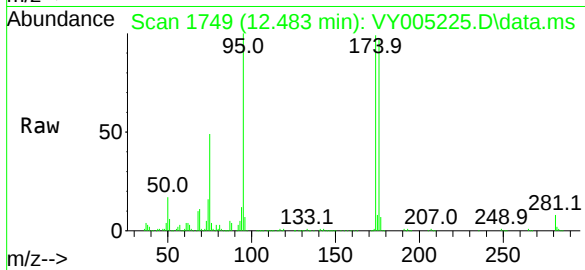




#62
4-Bromofluorobenzene
Concen: 51.371 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

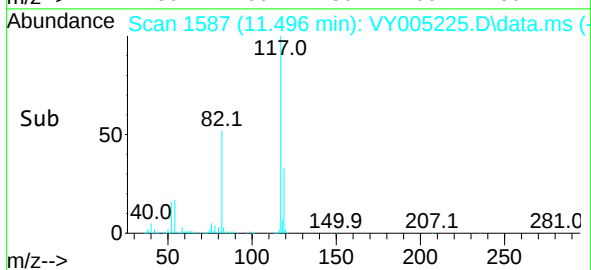
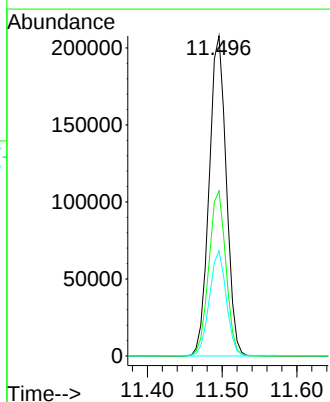
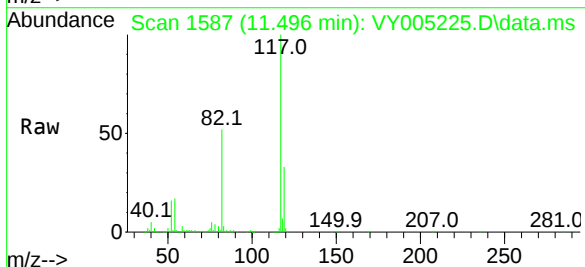
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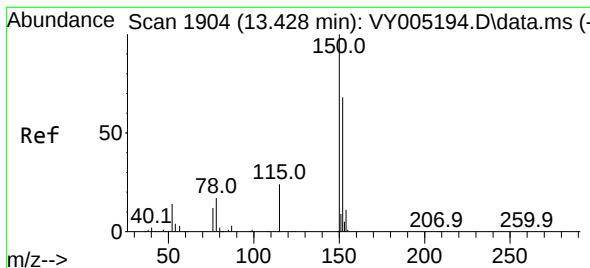
Tgt Ion: 95 Resp: 137638
Ion Ratio Lower Upper
95 100
174 100.0 0.0 201.6
176 97.7 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 117 Resp: 330233
Ion Ratio Lower Upper
117 100
82 51.6 40.6 60.8
119 32.8 26.1 39.1

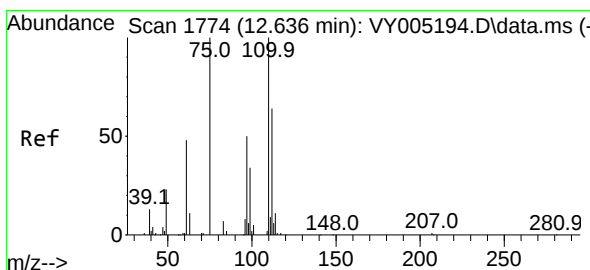
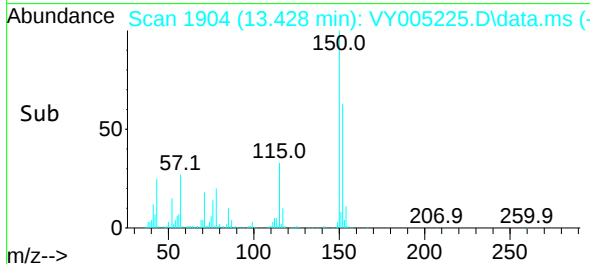
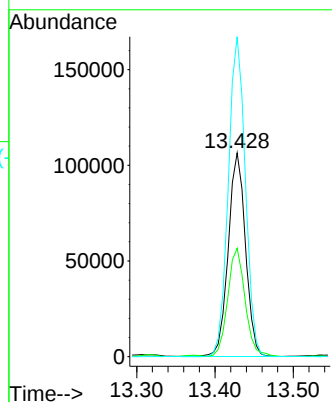
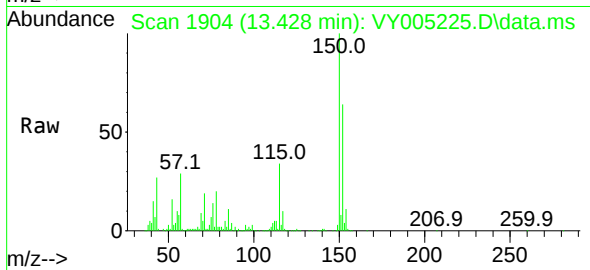




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005225.D
 Acq: 25 Jun 2021 14:07

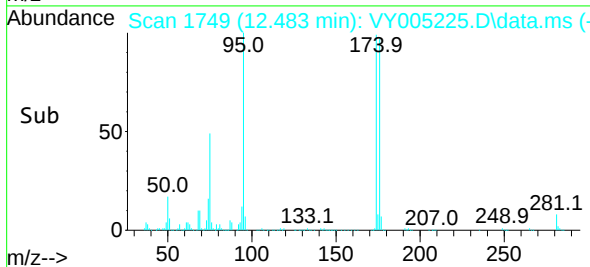
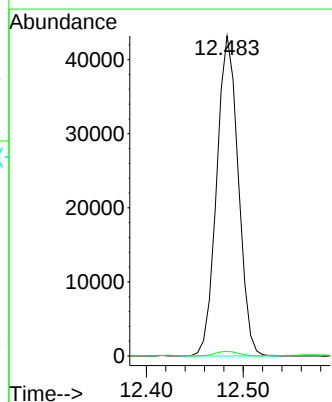
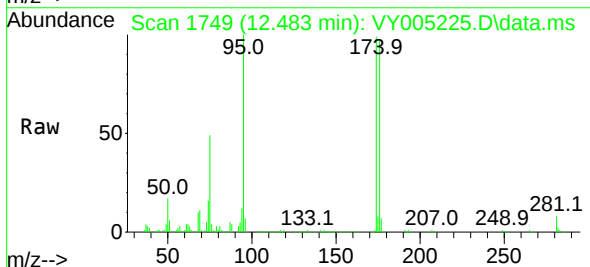
Instrument :
 MSVOA_Y
 ClientSampleId :
 PILE-1-062421

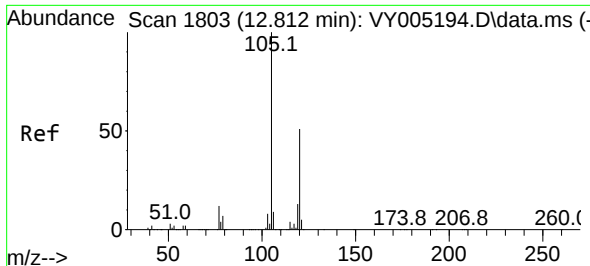
Tgt Ion:152 Resp: 162538
 Ion Ratio Lower Upper
 152 100
 115 53.7 26.3 78.8
 150 155.4 0.0 344.2



#76
 1,2,3-Trichloropropane
 Concen: 46.389 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005225.D
 Acq: 25 Jun 2021 14:07

Tgt Ion: 75 Resp: 66871
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

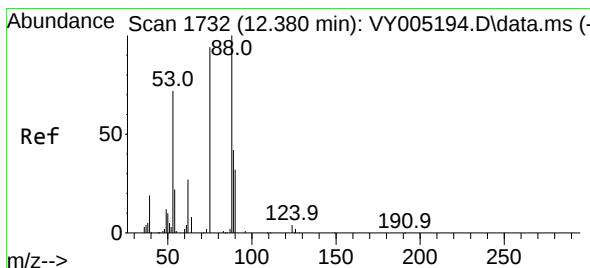
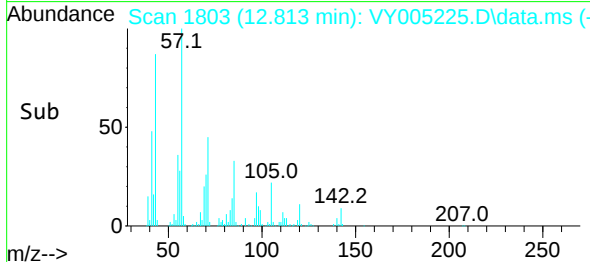
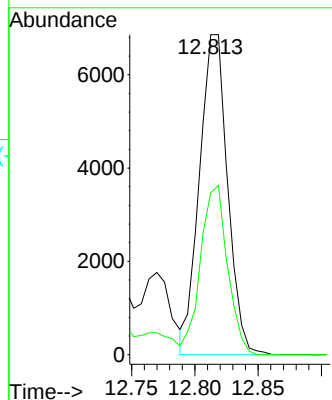
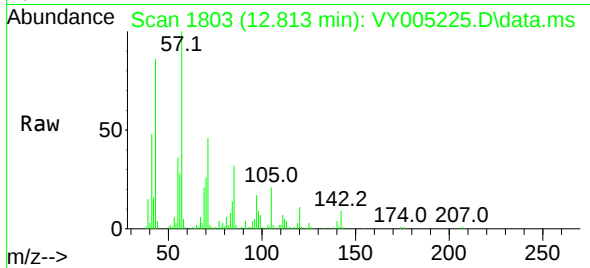




#80
1,3,5-Trimethylbenzene
Concen: 1.219 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

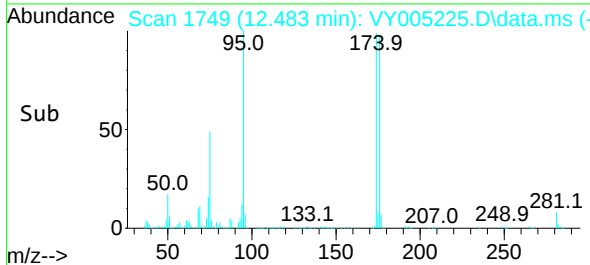
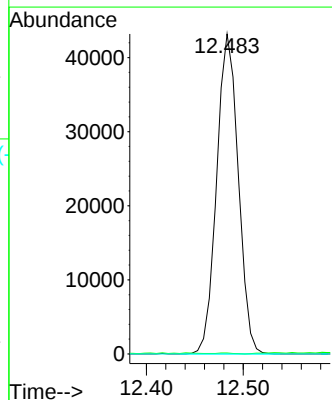
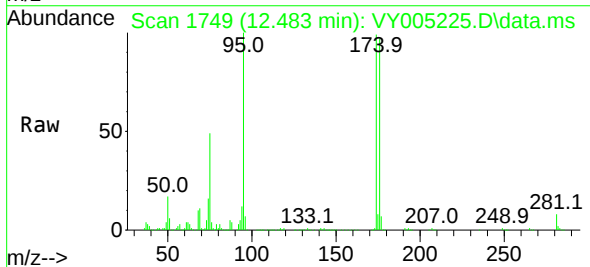
Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

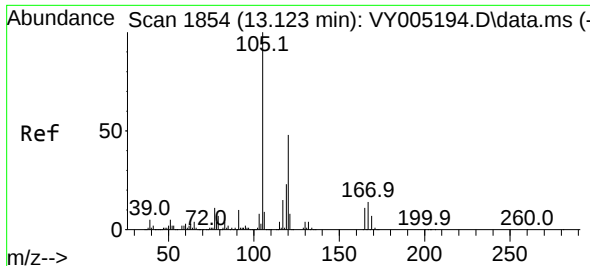
Tgt Ion:105 Resp: 10630
Ion Ratio Lower Upper
105 100
120 50.8 25.9 77.7



#81
trans-1,4-Dichloro-2-butene
Concen: 86.551 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 75 Resp: 66871
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 38.0 57.0#

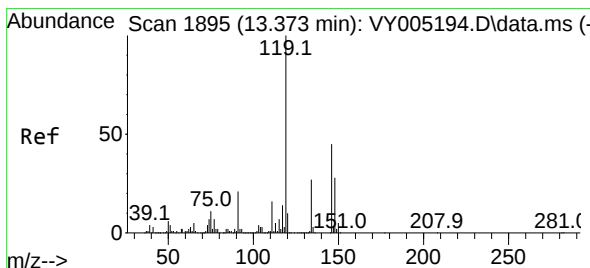
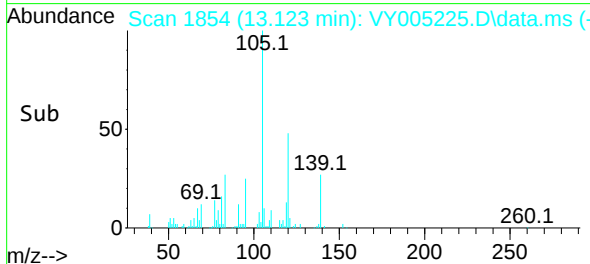
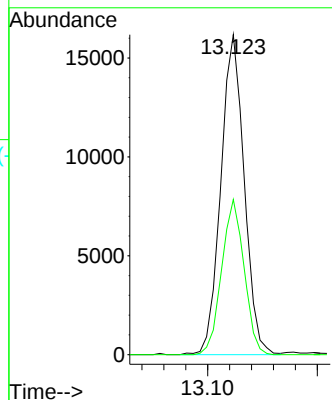
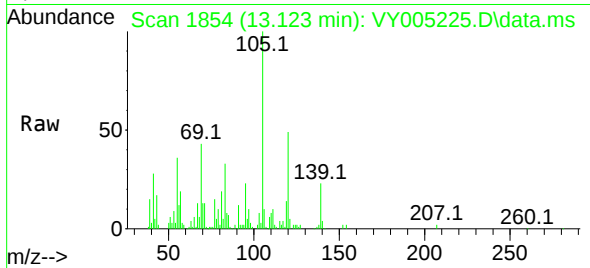




#84
1,2,4-Trimethylbenzene
Concen: 2.784 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

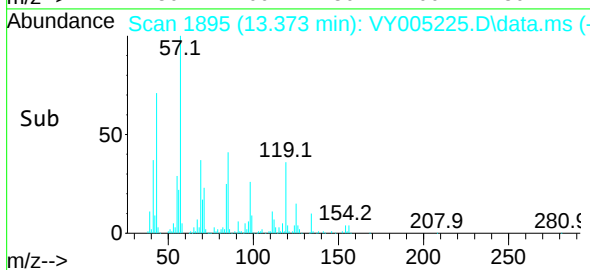
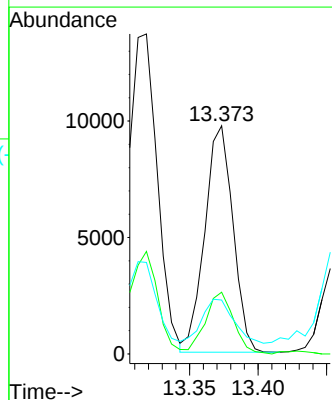
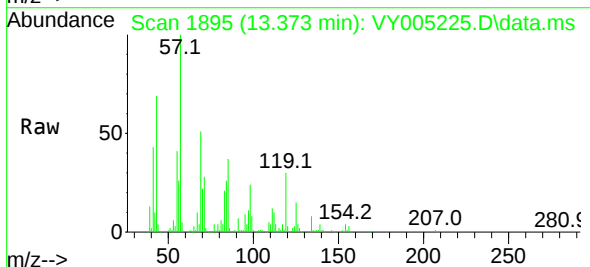
Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

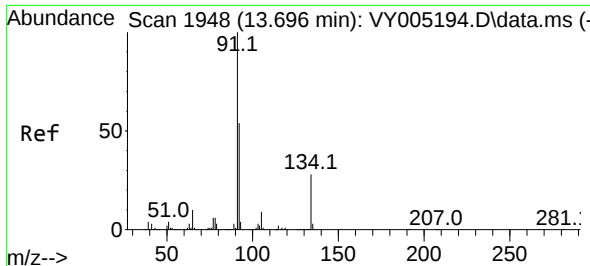
Tgt Ion:105 Resp: 24002
Ion Ratio Lower Upper
105 100
120 46.4 23.6 71.0



#86
p-Isopropyltoluene
Concen: 1.425 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion:119 Resp: 13903
Ion Ratio Lower Upper
119 100
134 27.2 13.9 41.6
91 21.5 10.8 32.3

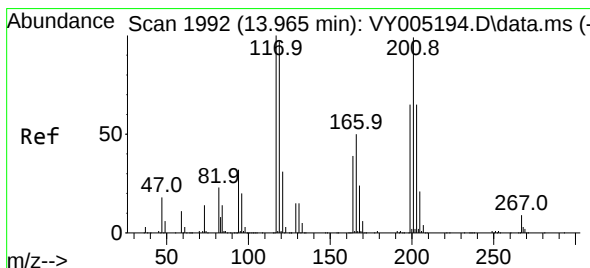
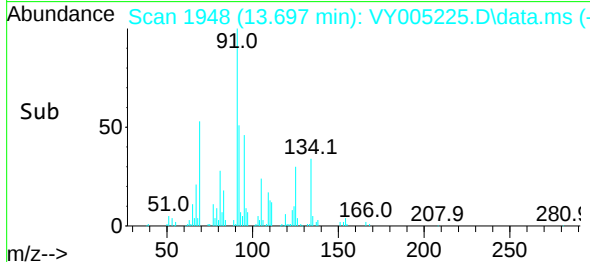
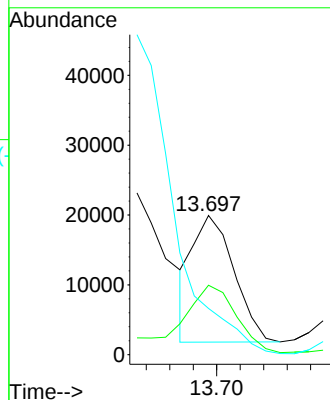
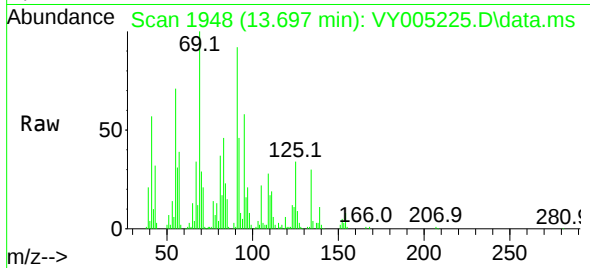




#89
n-Butylbenzene
Concen: 2.582 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

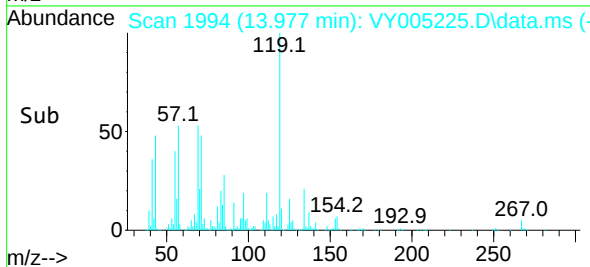
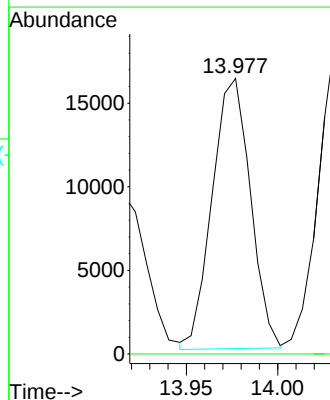
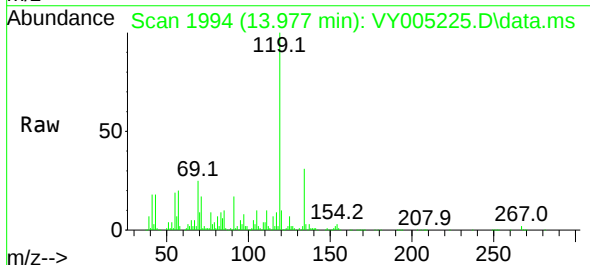
Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

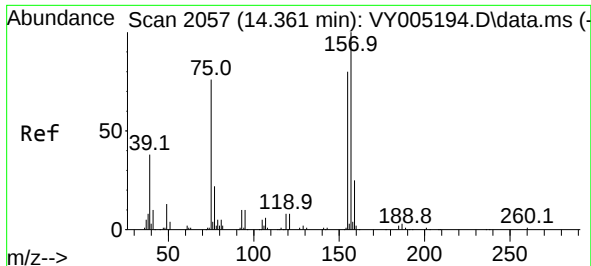
Tgt Ion: 91 Resp: 22137
Ion Ratio Lower Upper
91 100
92 79.1 27.0 81.0
134 0.0 14.6 44.0#



#90
Hexachloroethane
Concen: 13.378 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion: 117 Resp: 23585
Ion Ratio Lower Upper
117 100
201 0.0 49.4 148.2#

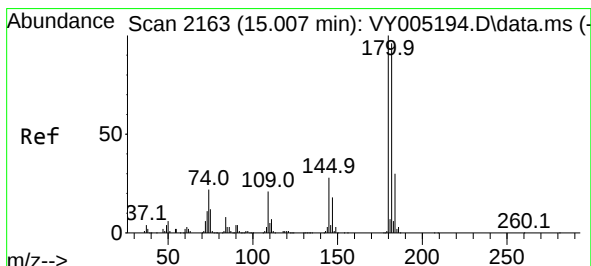
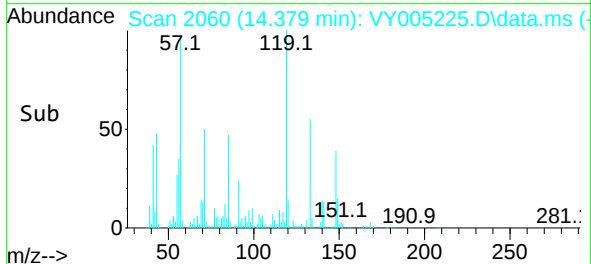
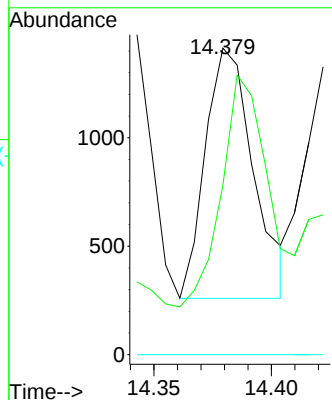
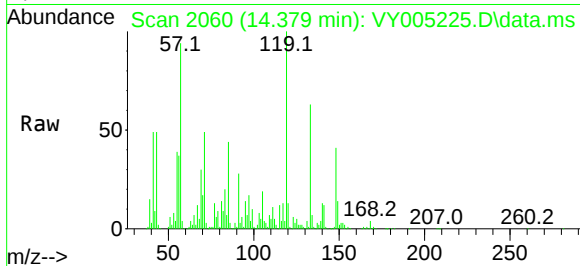




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.734 ug/l
 RT: 14.379 min Scan# 2060
 Delta R.T. 0.018 min
 Lab File: VY005225.D
 Acq: 25 Jun 2021 14:07

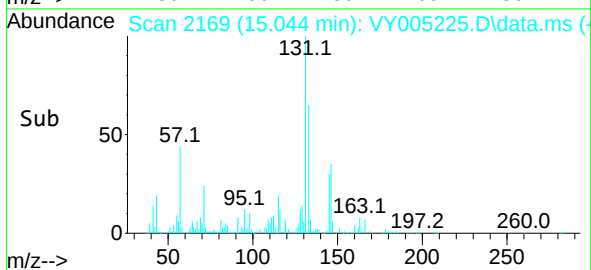
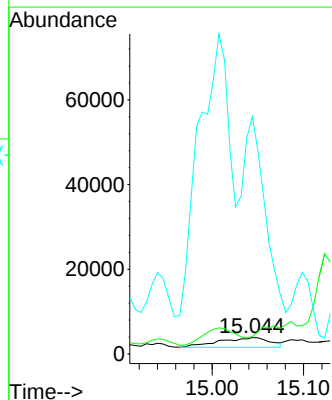
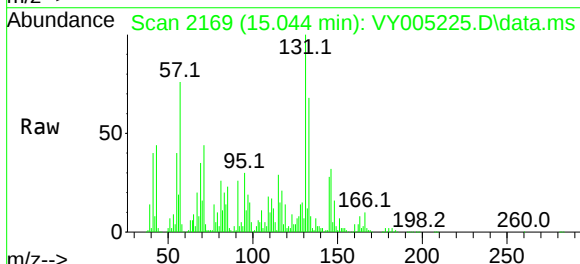
Instrument :
 MSVOA_Y
 ClientSampled :
 PILE-1-062421

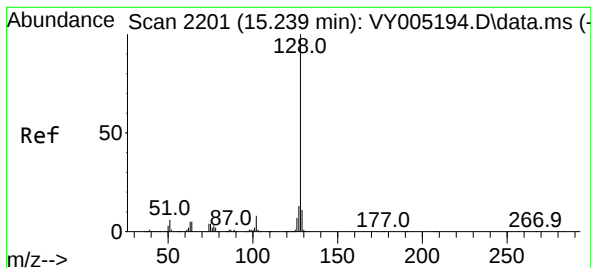
Tgt Ion: 75 Resp: 1638
 Ion Ratio Lower Upper
 75 100
 155 90.2 52.4 157.3
 157 0.0 67.3 201.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.598 ug/l
 RT: 15.044 min Scan# 2169
 Delta R.T. 0.037 min
 Lab File: VY005225.D
 Acq: 25 Jun 2021 14:07

Tgt Ion: 180 Resp: 8671
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.4#
 145 1220.5 13.6 40.8#

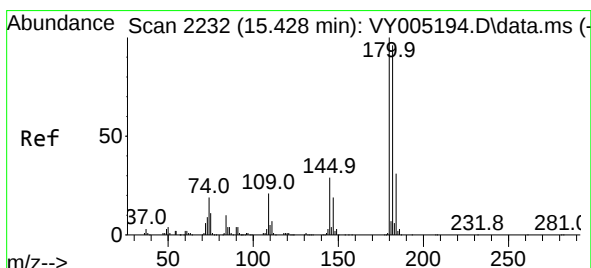
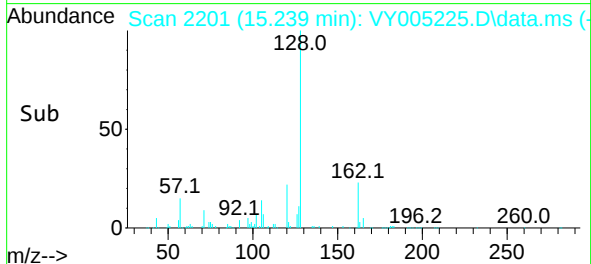
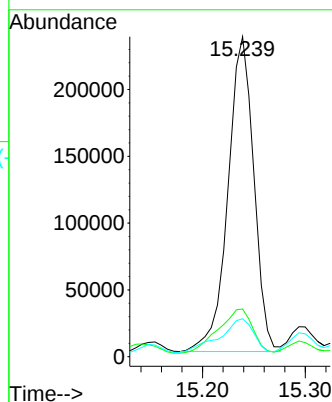
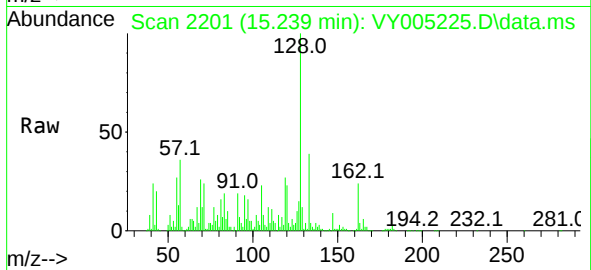




#95
Naphthalene
Concen: 66.959 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

Tgt Ion:128 Resp: 412401
Ion Ratio Lower Upper
128 100
127 18.7 10.2 15.4#
129 14.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 5.331 ug/l
RT: 15.391 min Scan# 2226
Delta R.T. -0.036 min
Lab File: VY005225.D
Acq: 25 Jun 2021 14:07

Tgt Ion:180 Resp: 15666
Ion Ratio Lower Upper
180 100
182 20.9 47.7 143.1#
145 702.5 14.1 42.4#

