

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004360.D
 Acq On : 09 Apr 2021 16:09
 Operator : SY/MD
 Sample : M1983-03
 Misc : 2.57G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 41019

Quant Time: Apr 10 02:04:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

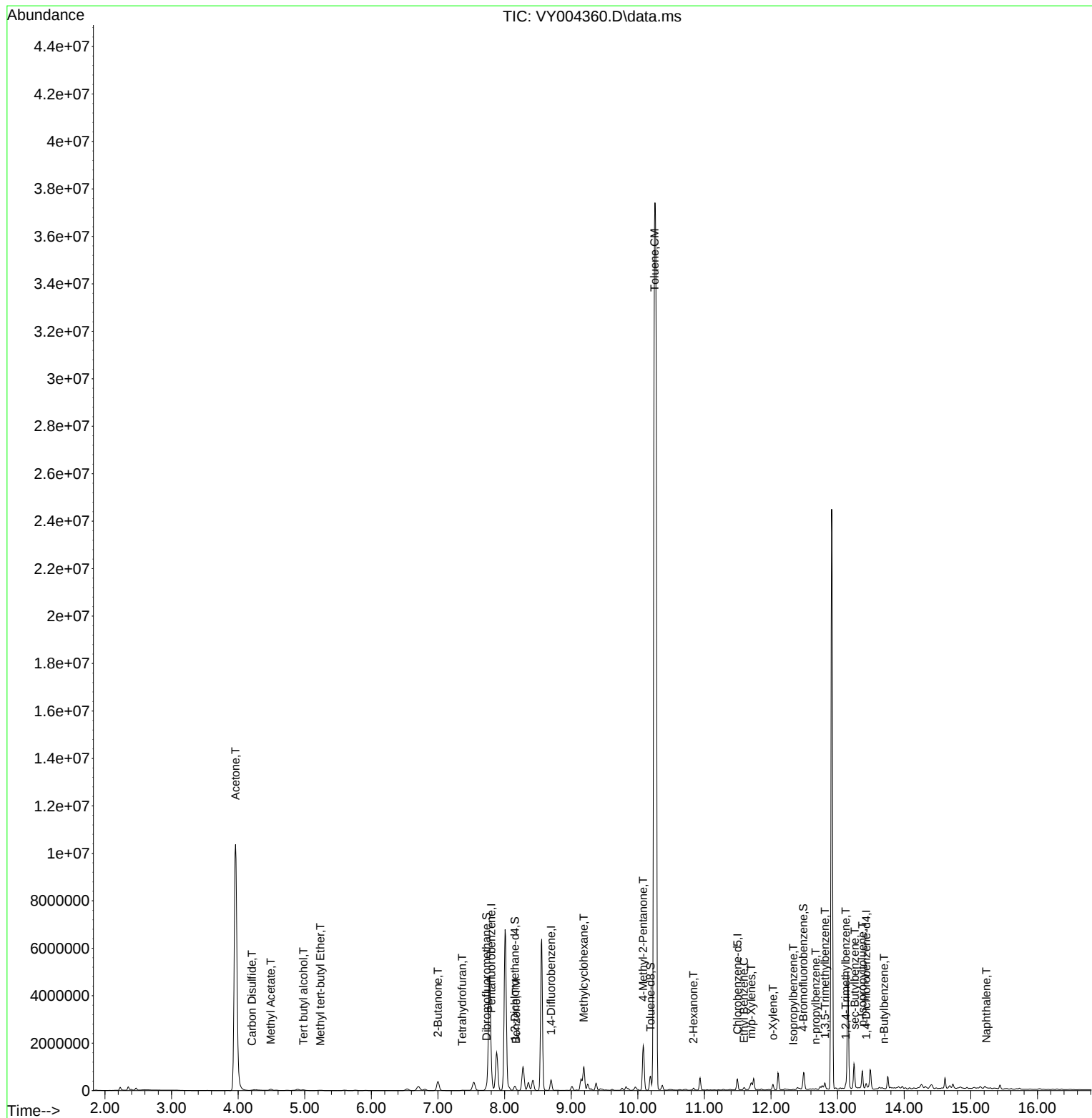
Internal Standards						
1) Pentafluorobenzene	7.801	168	219165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	367572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	244054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	46758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	133557	63.39	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.78%
35) Dibromofluoromethane	7.728	113	113975	55.65	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.30%
50) Toluene-d8	10.191	98	397724	51.63	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.26%
62) 4-Bromofluorobenzene	12.483	95	89905	34.05	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.10%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	76110	443.94	ug/l	98
16) Acetone	3.960	43	18811991	42857.58	ug/l	90
17) Carbon Disulfide	4.204	76	20176	3.87	ug/l	98
18) Methyl Acetate	4.491	43	106564	75.85	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	24730	4.22	ug/l #	81
25) 2-Butanone	6.996	43	650786	887.51	ug/l	95
29) Tetrahydrofuran	7.362	42	8209	15.89	ug/l #	64
39) Methylcyclohexane	9.191	83	377359	90.83	ug/l	96
40) Benzene	8.173	78	25991	2.73	ug/l	99
51) 4-Methyl-2-Pentanone	10.081	43	1364638	718.65	ug/l	99
52) Toluene	10.252	92	25452821	4162.30	ug/l #	1
59) 2-Hexanone	10.837	43	52313	40.07	ug/l	93
67) Ethyl Benzene	11.593	91	55272	6.25	ug/l	100
68) m/p-Xylenes	11.703	106	80120	23.61	ug/l	99
69) o-Xylene	12.032	106	28909	9.10	ug/l	99
73) Isopropylbenzene	12.337	105	7015	2.05	ug/l	100
78) n-propylbenzene	12.672	91	23008	5.82	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	33270	11.94	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	128724	46.05	ug/l	93
85) sec-Butylbenzene	13.257	105	8000	2.41	ug/l #	55
86) p-Isopropyltoluene	13.373	119	401936	130.34	ug/l	99
89) n-Butylbenzene	13.696	91	8452	2.98	ug/l #	74
95) Naphthalene	15.233	128	15840	7.84	ug/l #	90

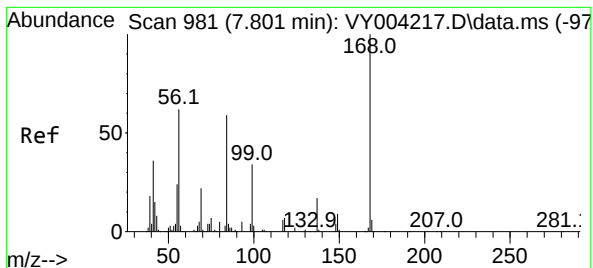
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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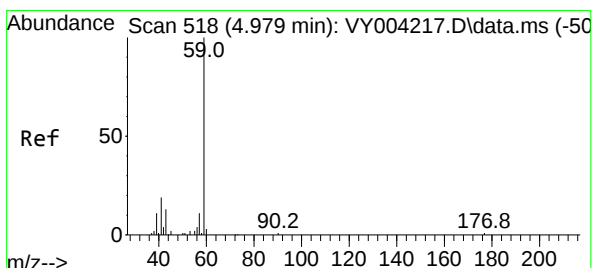
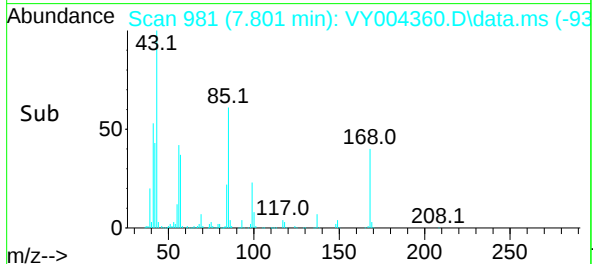
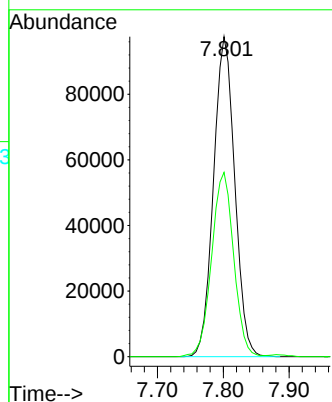
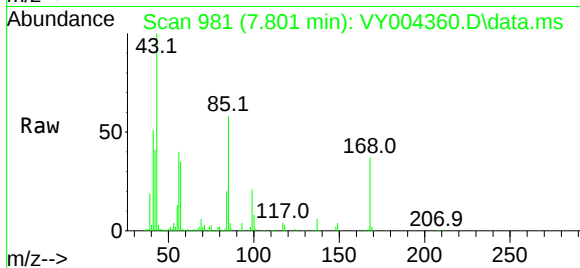




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

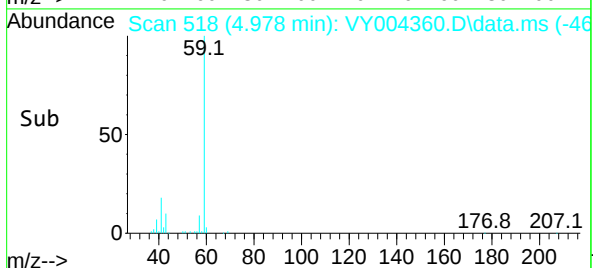
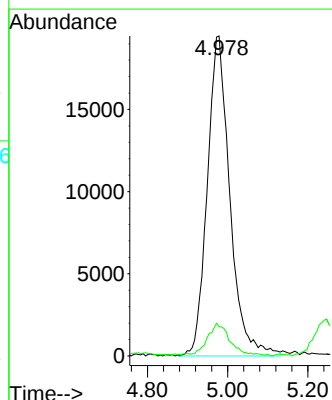
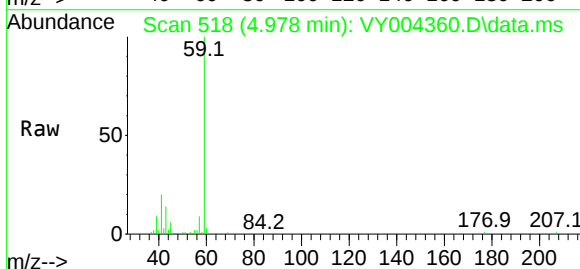
Instrument :
MSVOA_Y
ClientSampleId :
41019

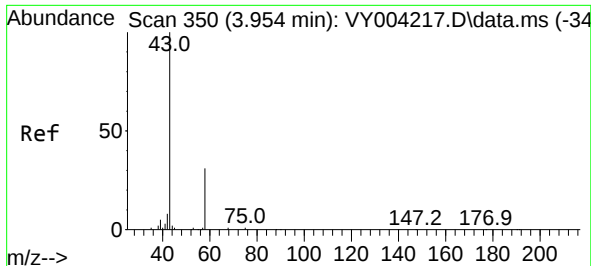
Tgt Ion:168 Resp: 219165
Ion Ratio Lower Upper
168 100
99 57.5 42.6 64.0



#11
Tert butyl alcohol
Concen: 443.94 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 59 Resp: 76110
Ion Ratio Lower Upper
59 100
57 10.4 8.9 13.3

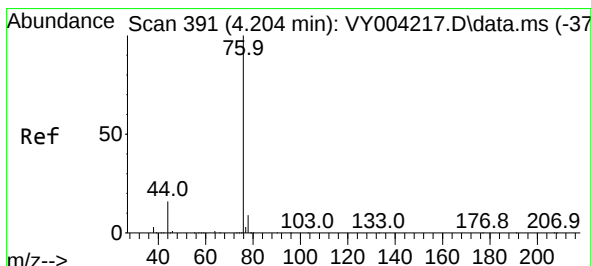
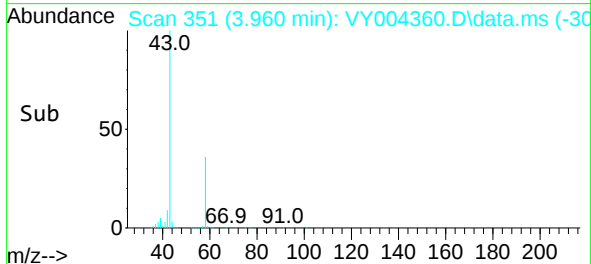
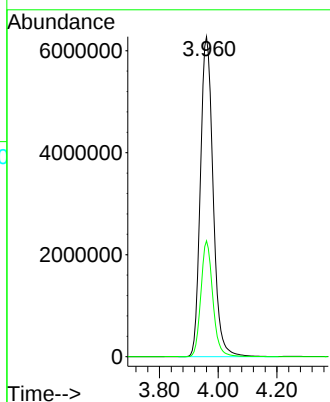
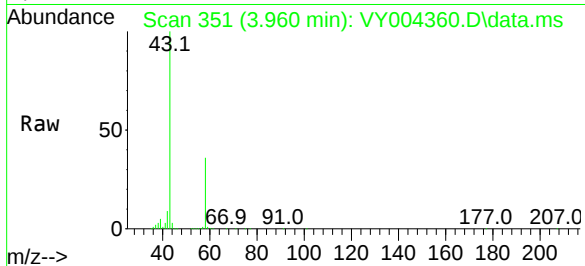




#16
Acetone
Concen: 42857.58 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

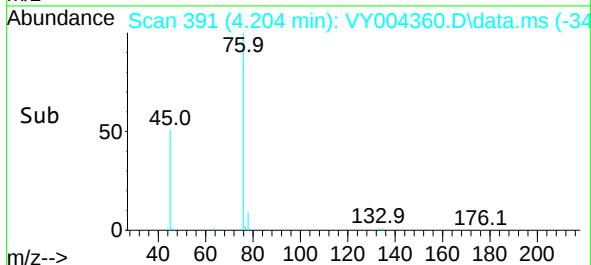
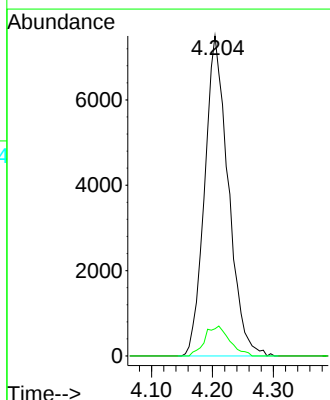
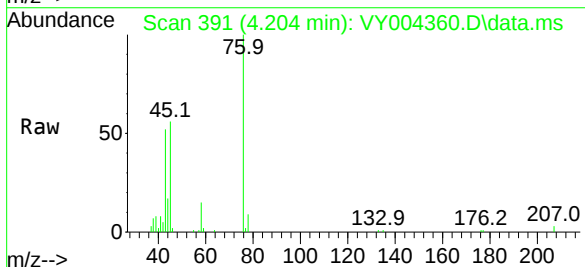
Instrument :
MSVOA_Y
ClientSampled :
41019

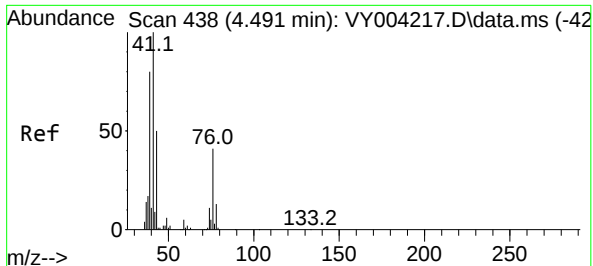
Tgt Ion: 43 Resp:18811991
Ion Ratio Lower Upper
43 100
58 36.2 24.5 36.7



#17
Carbon Disulfide
Concen: 3.87 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 76 Resp: 20176
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2

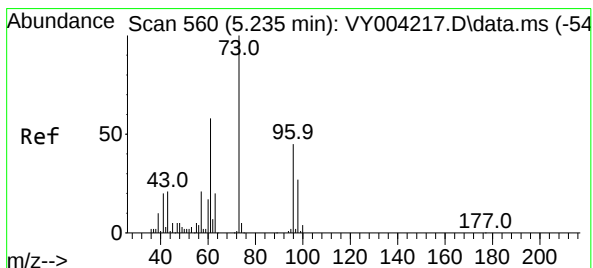
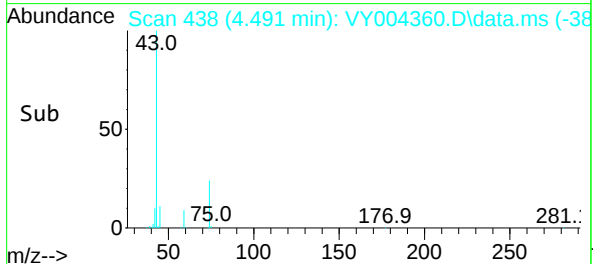
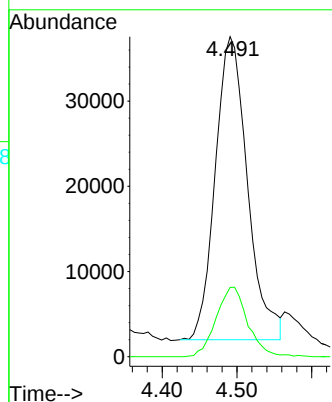
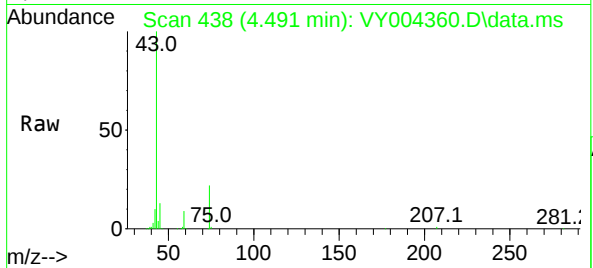




#18
Methyl Acetate
Concen: 75.85 ug/l
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

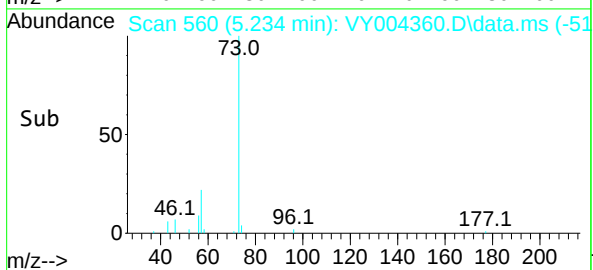
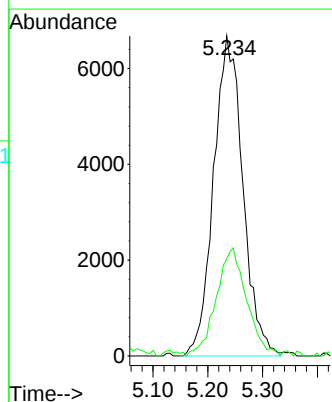
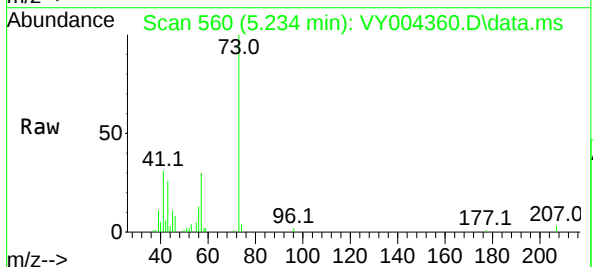
Instrument :
MSVOA_Y
ClientSampled :
41019

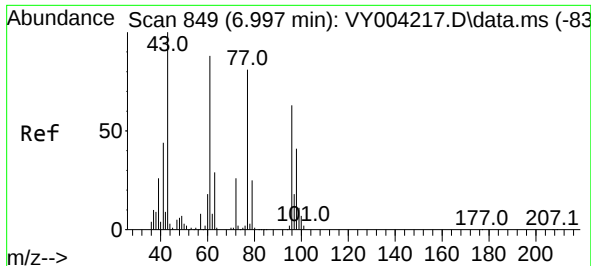
Tgt Ion: 43 Resp: 106564
Ion Ratio Lower Upper
43 100
74 22.6 19.1 28.7



#19
Methyl tert-butyl Ether
Concen: 4.22 ug/l
RT: 5.234 min Scan# 560
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 73 Resp: 24730
Ion Ratio Lower Upper
73 100
57 30.3 17.0 25.4#





#25

2-Butanone

Concen: 887.51 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

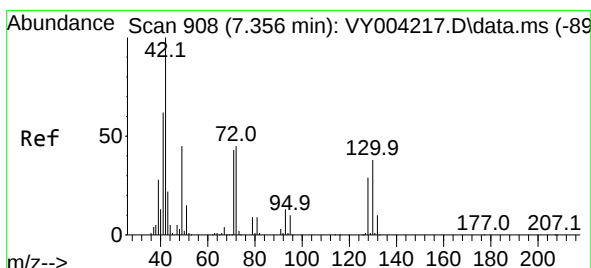
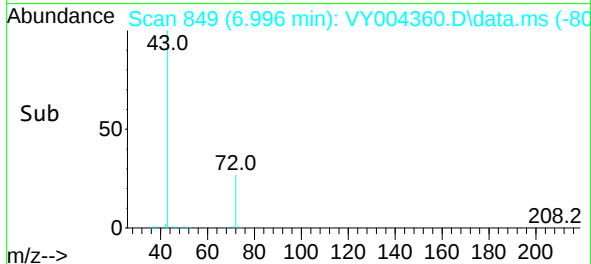
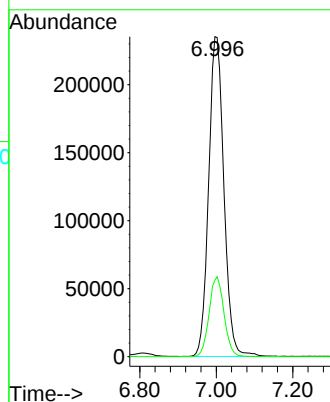
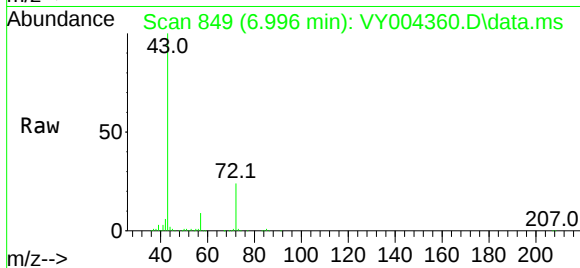
Lab File: VY004360.D

Acq: 09 Apr 2021 16:09

Instrument :
MSVOA_Y
ClientSampled :
41019

Tgt Ion: 43 Resp: 650786

Ion	Ratio	Lower	Upper
43	100		
72	23.9	21.0	31.6



#29

Tetrahydrofuran

Concen: 15.89 ug/l

RT: 7.362 min Scan# 909

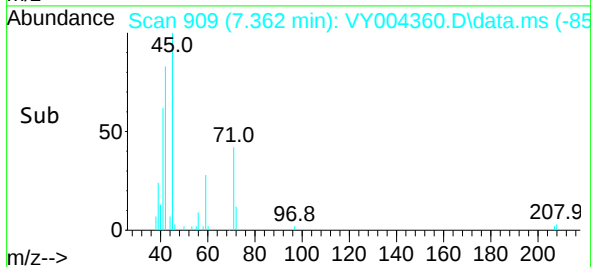
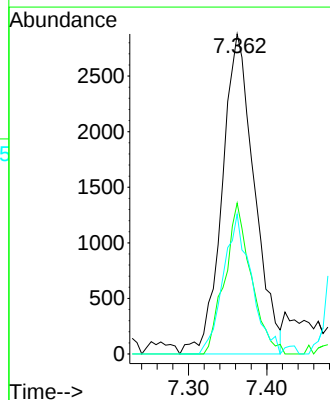
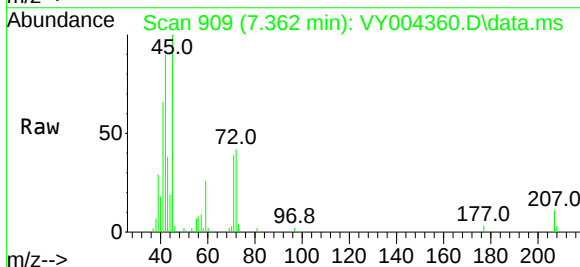
Delta R.T. 0.006 min

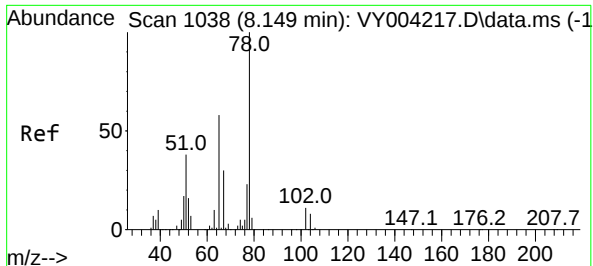
Lab File: VY004360.D

Acq: 09 Apr 2021 16:09

Tgt Ion: 42 Resp: 8209

Ion	Ratio	Lower	Upper
42	100		
72	38.6	35.1	52.7
71	0.0	32.9	49.3

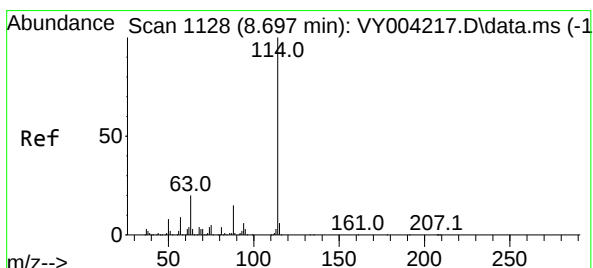
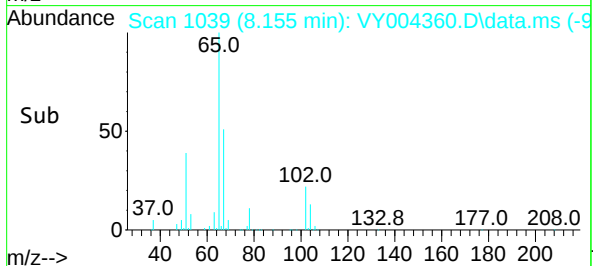
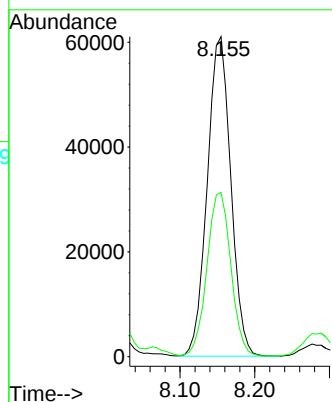
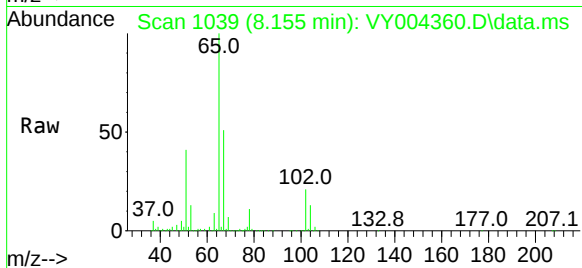




#33
1,2-Dichloroethane-d4
Concen: 63.39 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

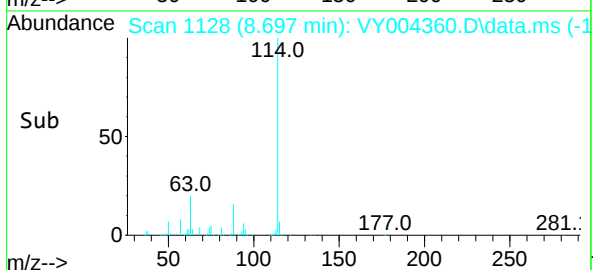
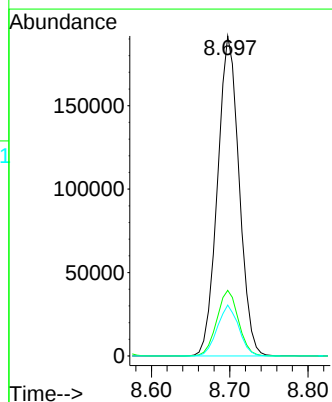
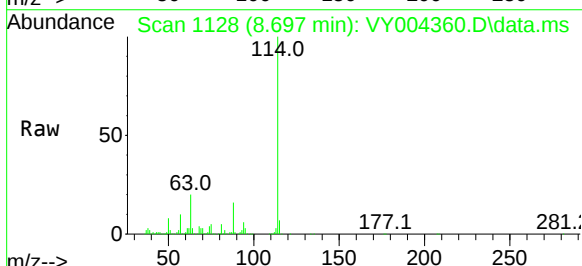
Instrument :
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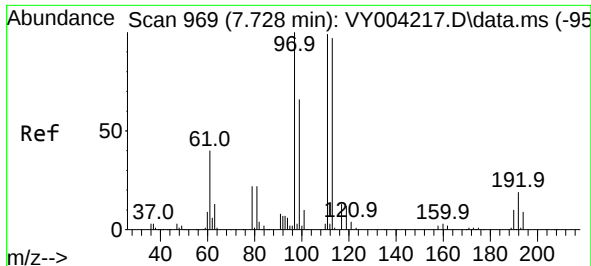
Tgt Ion: 65 Resp: 133557
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion:114 Resp: 367572
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.4
88 15.9 0.0 30.8

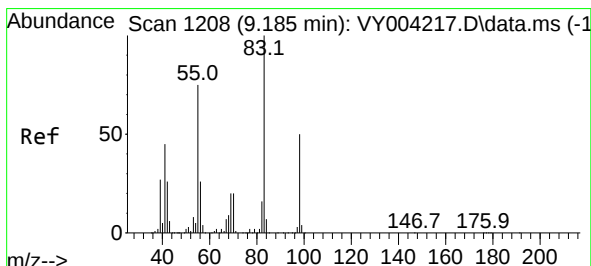
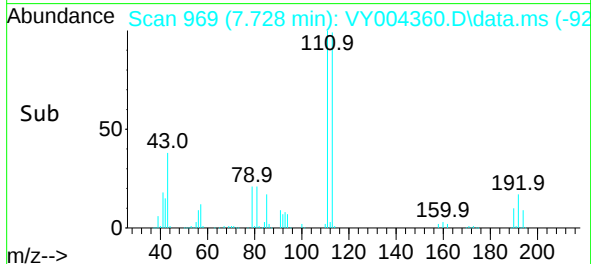
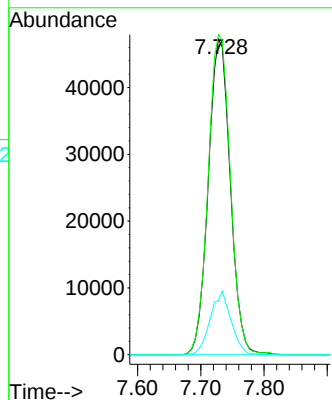
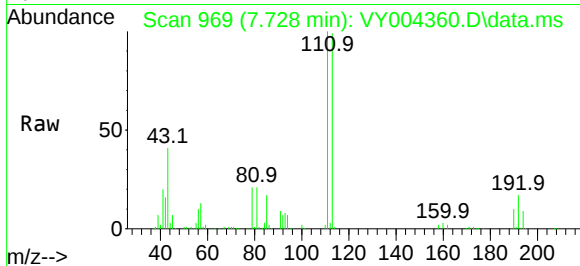




#35
Dibromofluoromethane
Concen: 55.65 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

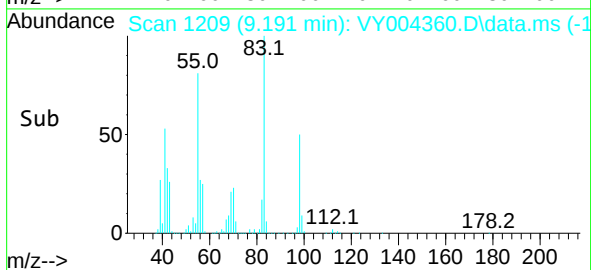
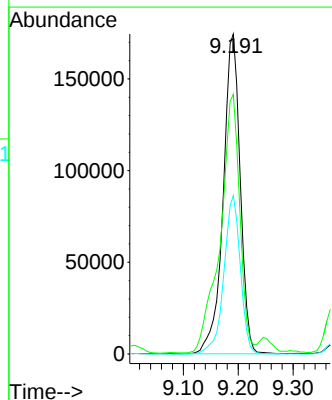
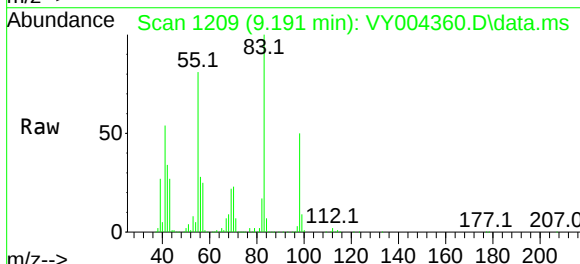
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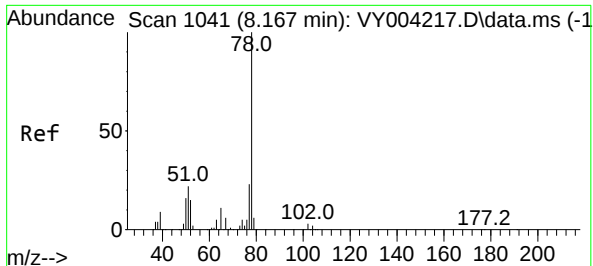
Tgt Ion:	113	Resp:	113975
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	124.0
192	19.1	16.4	24.6



#39
Methylcyclohexane
Concen: 90.83 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion:	83	Resp:	377359
Ion	Ratio	Lower	Upper
83	100		
55	80.8	60.0	90.0
98	49.5	40.2	60.2

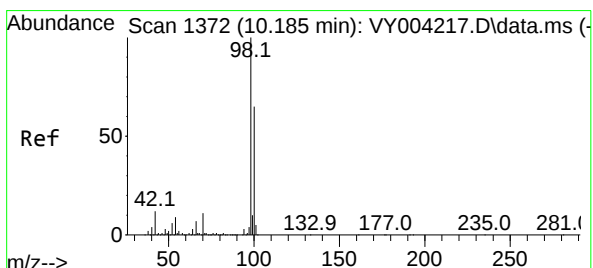
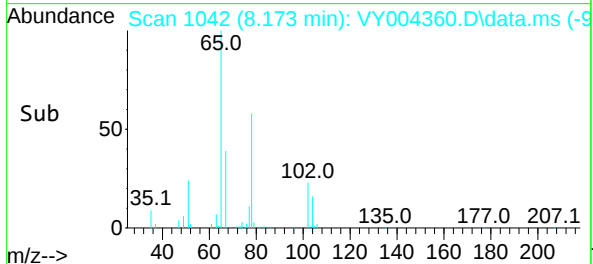
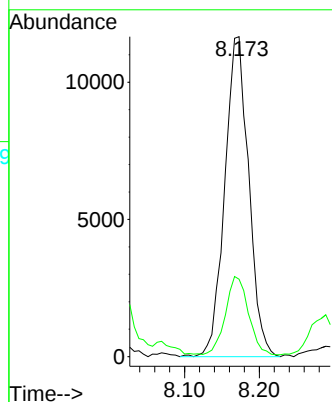
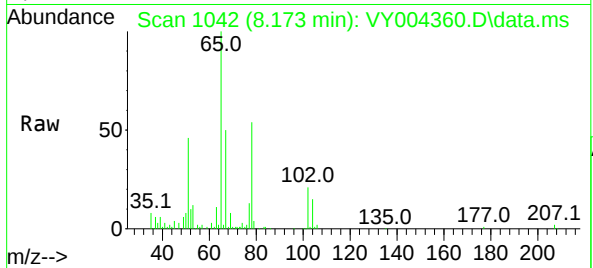




#40
Benzene
Concen: 2.73 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

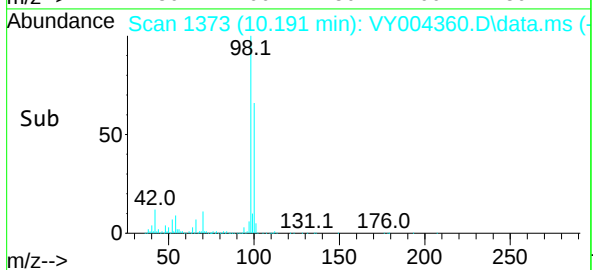
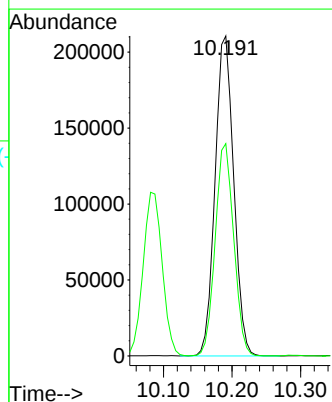
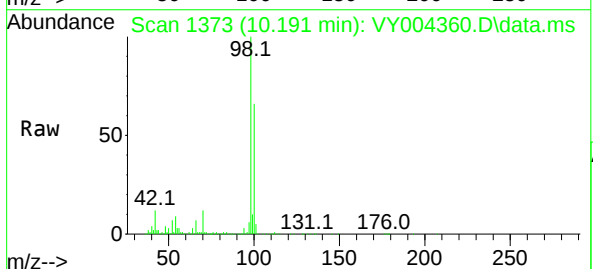
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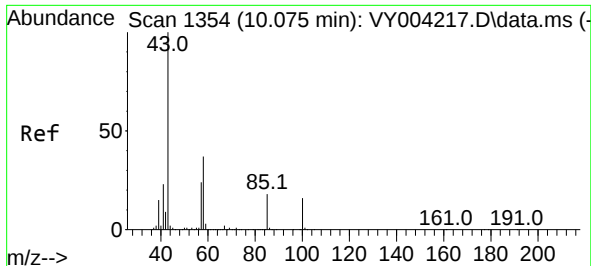
Tgt Ion: 78 Resp: 25991
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5



#50
Toluene-d8
Concen: 51.63 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 98 Resp: 397724
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

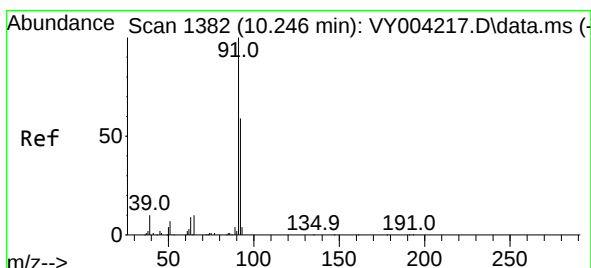
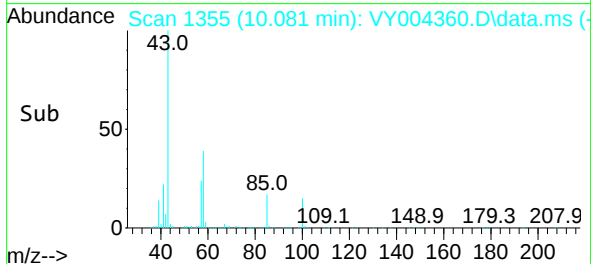
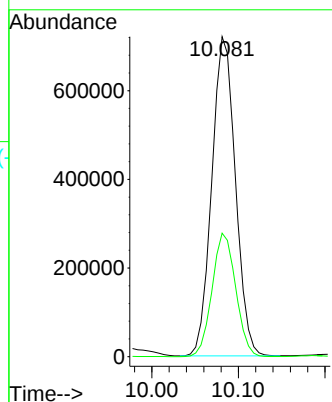
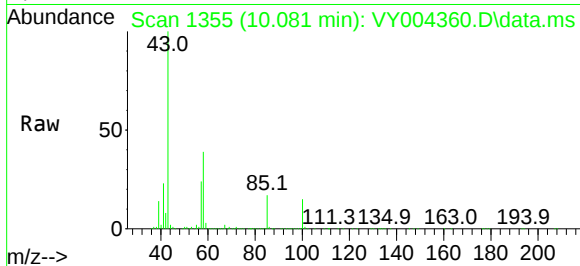




#51
4-Methyl-2-Pentanone
Concen: 718.65 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

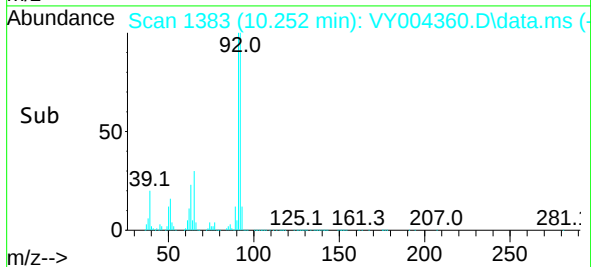
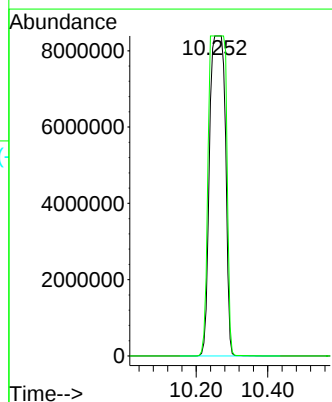
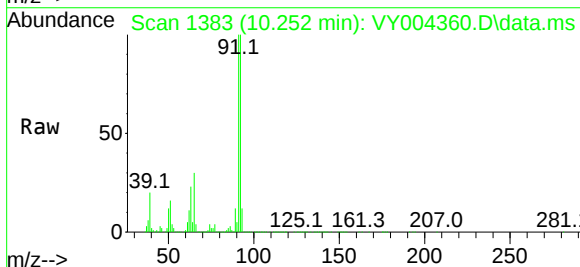
Instrument :
MSVOA_Y
ClientSampleId :
41019

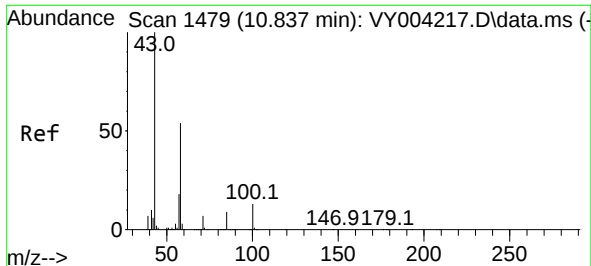
Tgt Ion: 43 Resp: 1364638
Ion Ratio Lower Upper
43 100
58 38.6 30.6 45.8



#52
Toluene
Concen: 4162.30 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 92 Resp: 25452821
Ion Ratio Lower Upper
92 100
91 0.0 136.0 204.0#

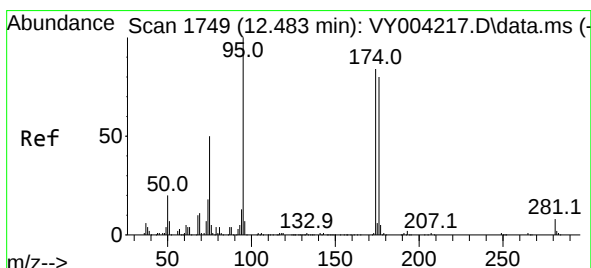
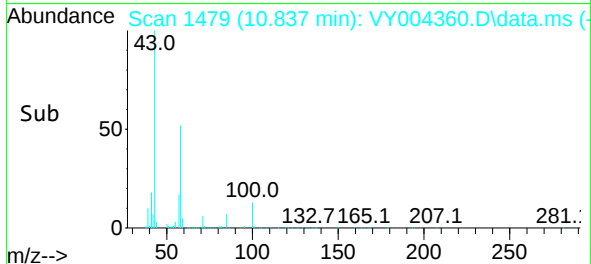
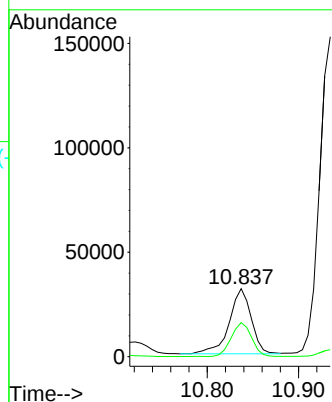
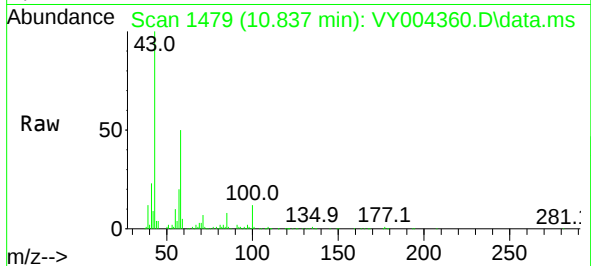




#59
2-Hexanone
Concen: 40.07 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

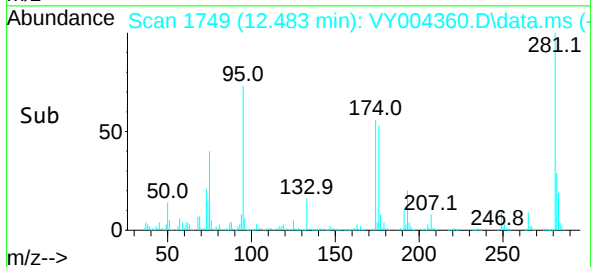
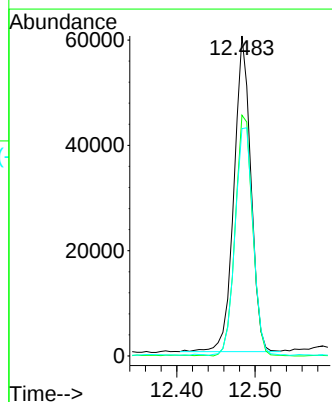
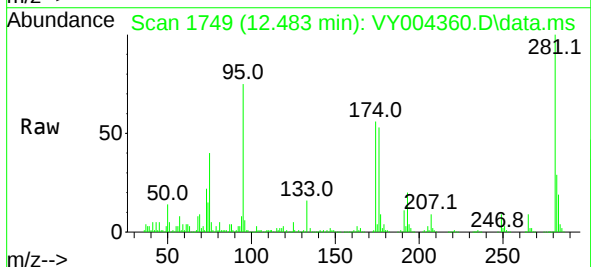
Instrument :
MSVOA_Y
ClientSampleId :
41019

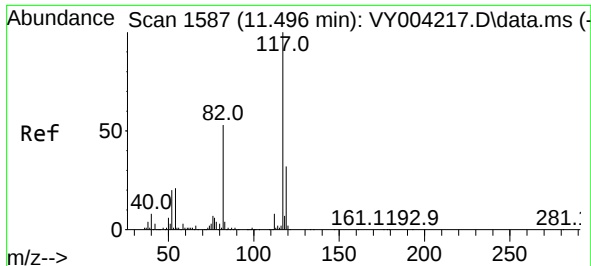
Tgt Ion: 43 Resp: 52313
Ion Ratio Lower Upper
43 100
58 48.1 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 34.05 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 95 Resp: 89905
Ion Ratio Lower Upper
95 100
174 78.3 0.0 171.4
176 76.9 0.0 165.6

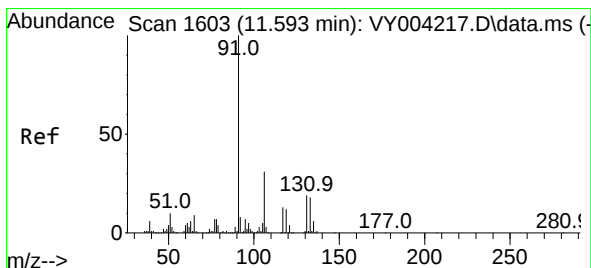
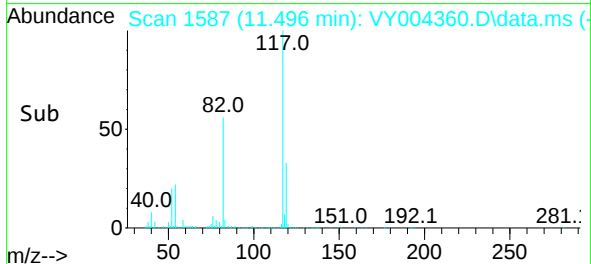
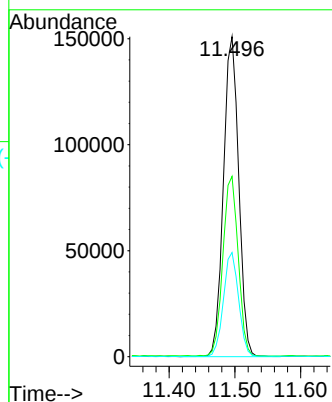
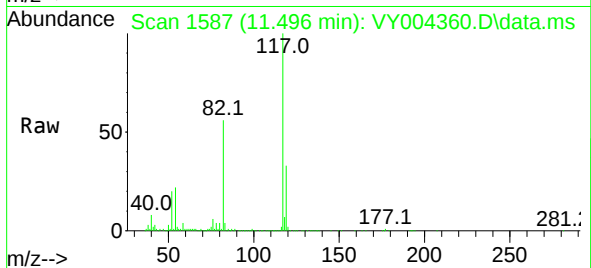




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

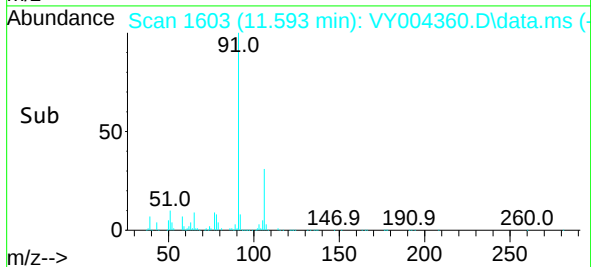
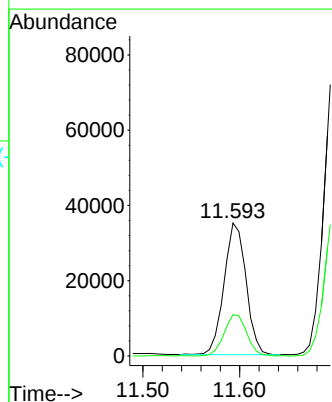
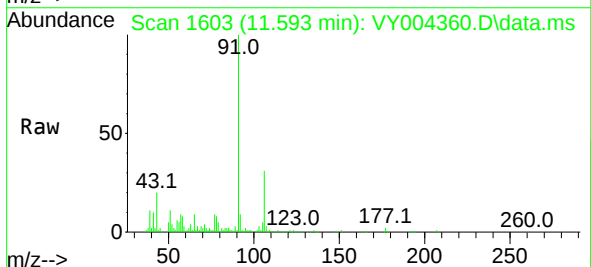
Instrument :
MSVOA_Y
ClientSampleId :
41019

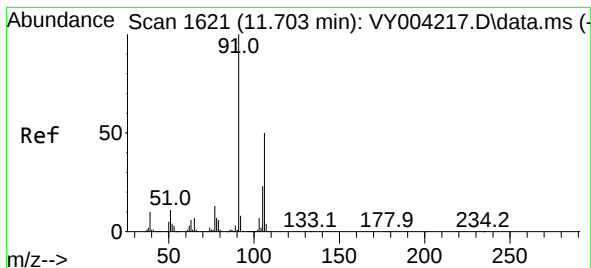
Tgt Ion:117 Resp: 244054
Ion Ratio Lower Upper
117 100
82 56.2 42.7 64.1
119 32.5 25.7 38.5



#67
Ethyl Benzene
Concen: 6.25 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 91 Resp: 55272
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

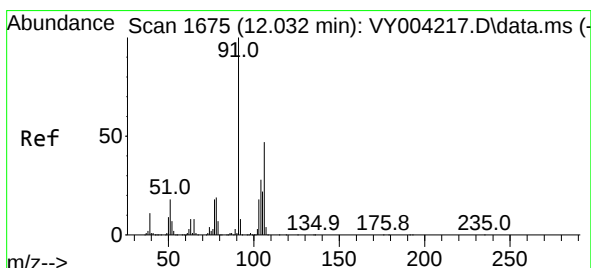
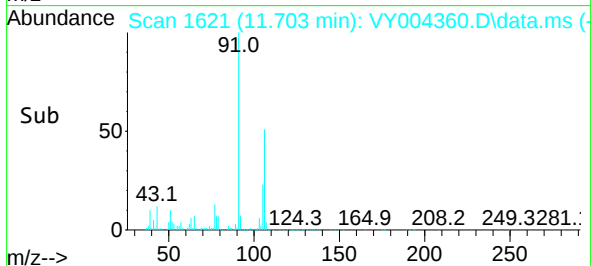
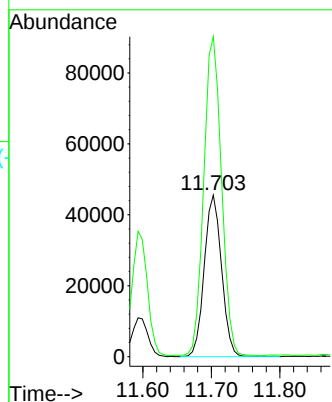
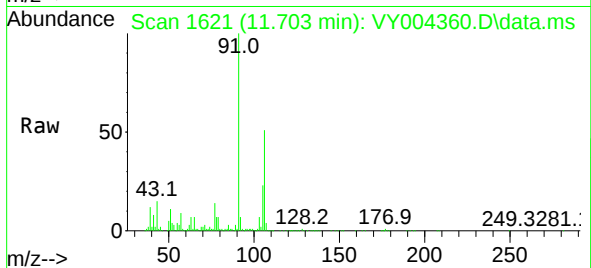




#68
m/p-Xylenes
Concen: 23.61 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

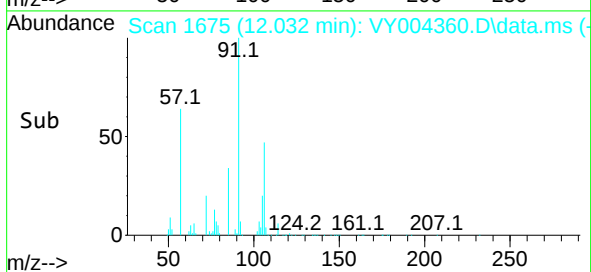
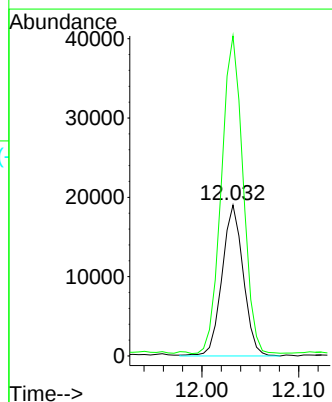
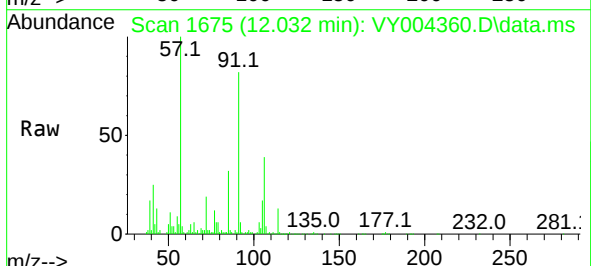
Instrument :
MSVOA_Y
ClientSampleId :
41019

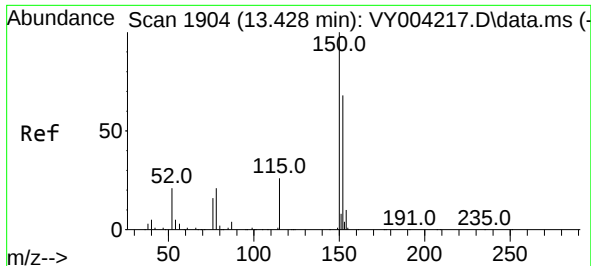
Tgt Ion:106 Resp: 80120
Ion Ratio Lower Upper
106 100
91 201.9 159.8 239.6



#69
o-Xylene
Concen: 9.10 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion:106 Resp: 28909
Ion Ratio Lower Upper
106 100
91 213.4 105.6 316.8

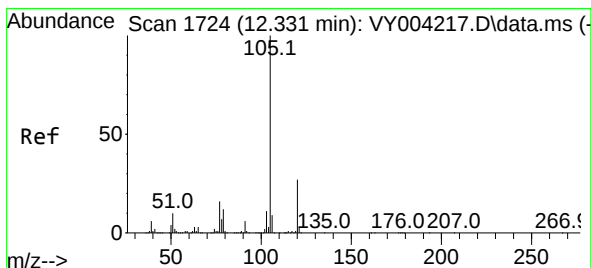
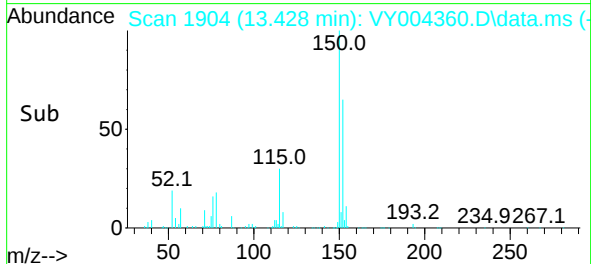
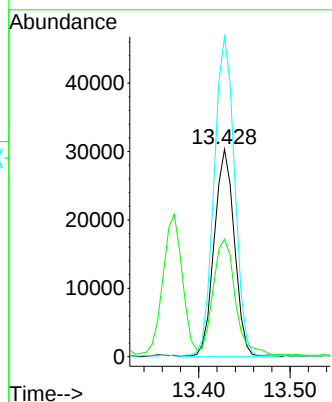
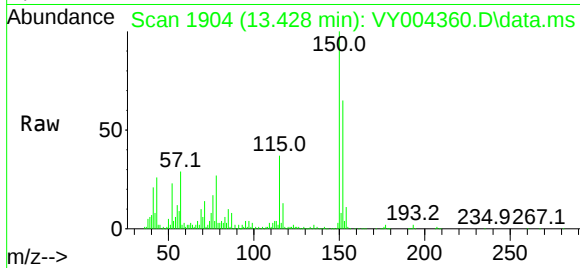




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

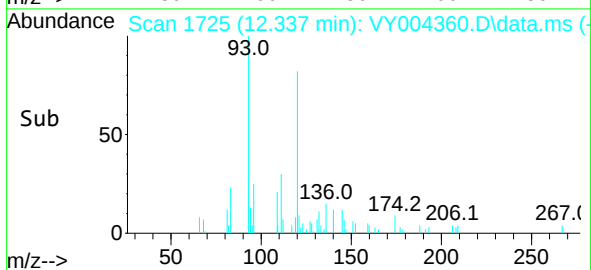
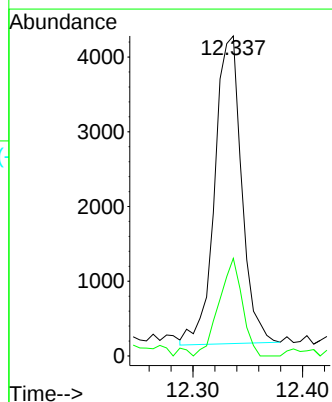
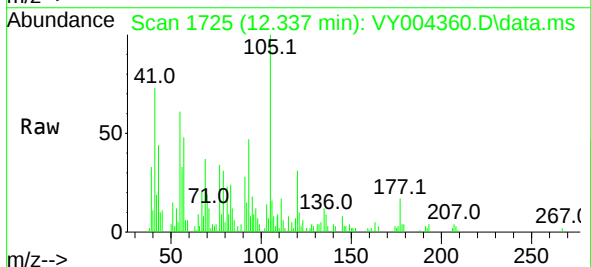
Instrument :
MSVOA_Y
ClientSampleId :
41019

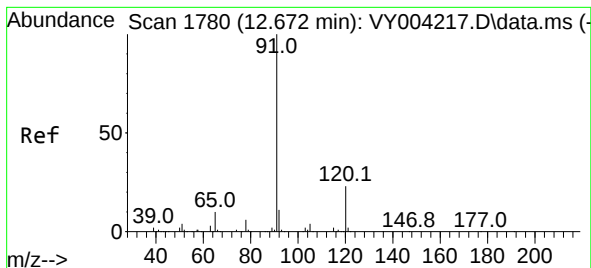
Tgt Ion:152 Resp: 46758
Ion Ratio Lower Upper
152 100
115 61.6 29.0 87.1
150 155.9 0.0 347.4



#73
Isopropylbenzene
Concen: 2.05 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion:105 Resp: 7015
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.0

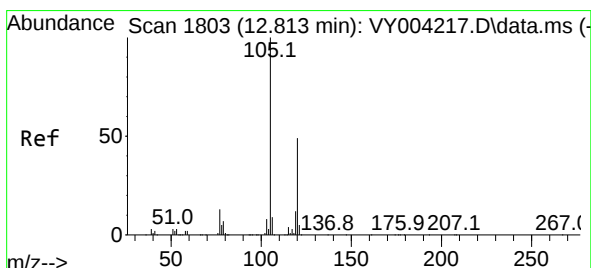
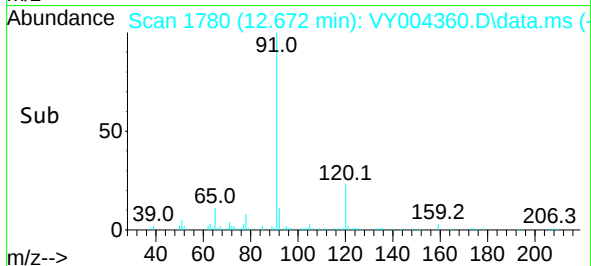
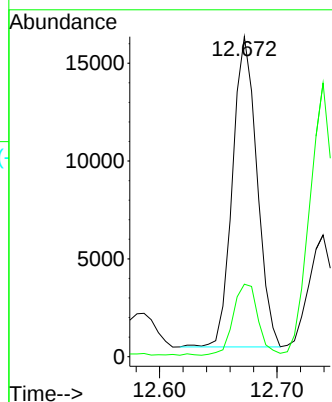
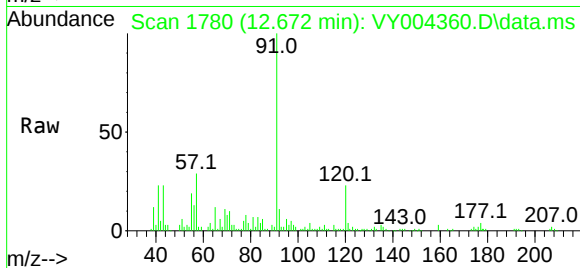




#78
n-propylbenzene
Concen: 5.82 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

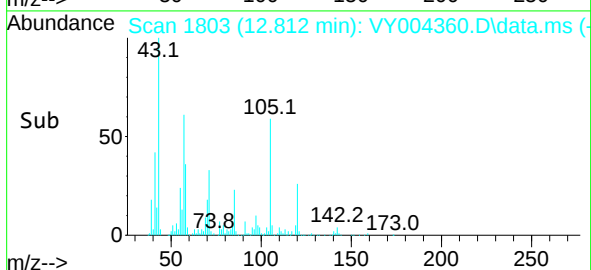
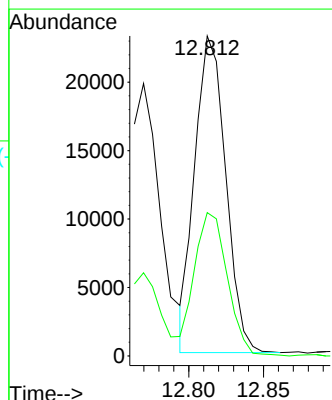
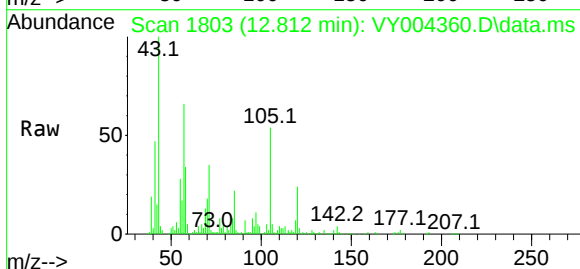
Instrument :
MSVOA_Y
ClientSampleId :
41019

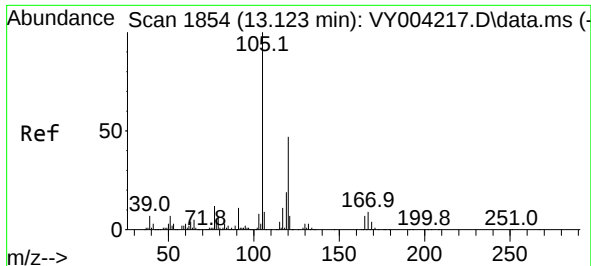
Tgt Ion: 91 Resp: 23008
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 11.94 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 105 Resp: 33270
Ion Ratio Lower Upper
105 100
120 49.7 24.9 74.7

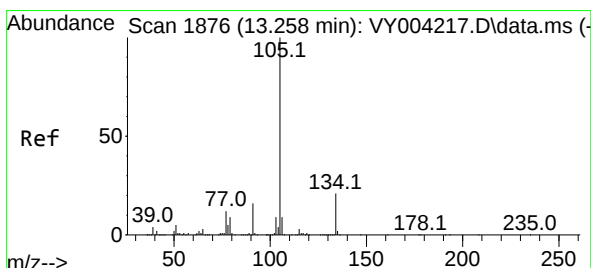
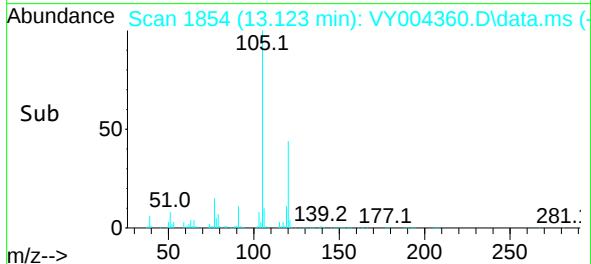
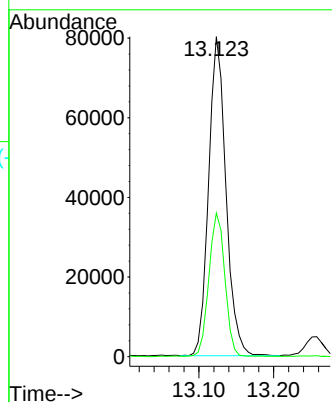
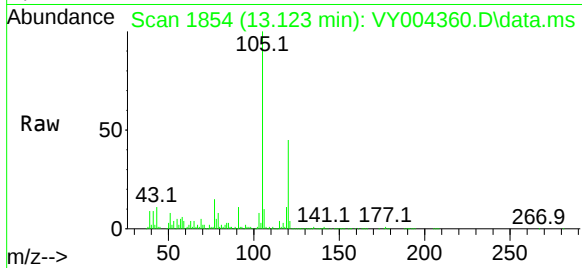




#84
1,2,4-Trimethylbenzene
Concen: 46.05 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

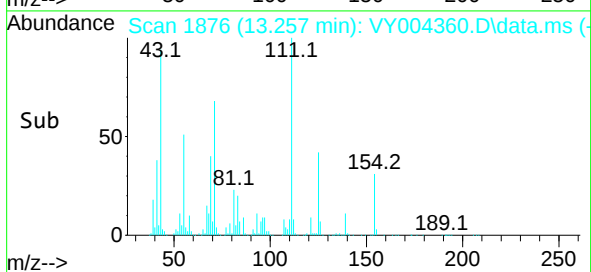
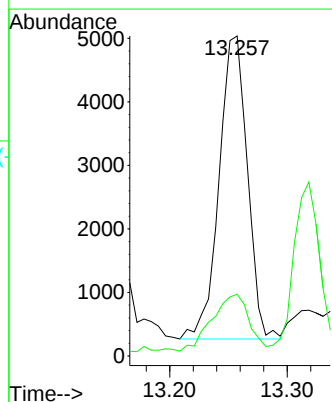
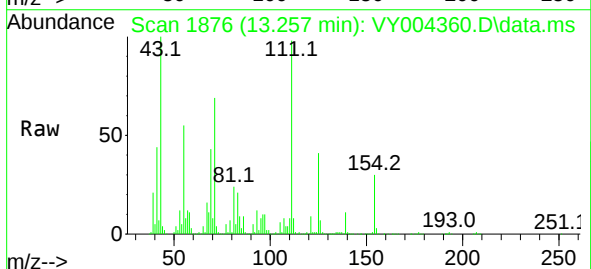
Instrument :
MSVOA_Y
ClientSampled :
41019

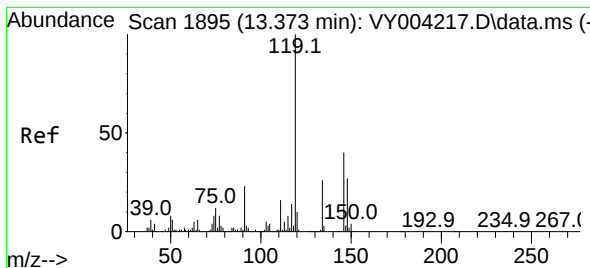
Tgt Ion:105 Resp: 128724
Ion Ratio Lower Upper
105 100
120 41.4 22.9 68.7



#85
sec-Butylbenzene
Concen: 2.41 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion:105 Resp: 8000
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.4#

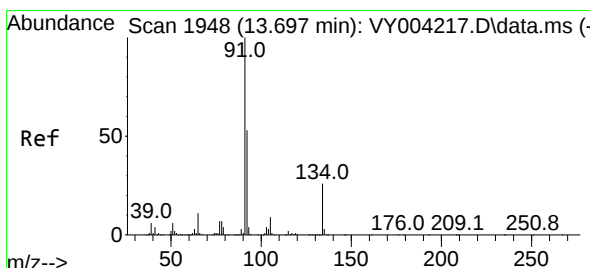
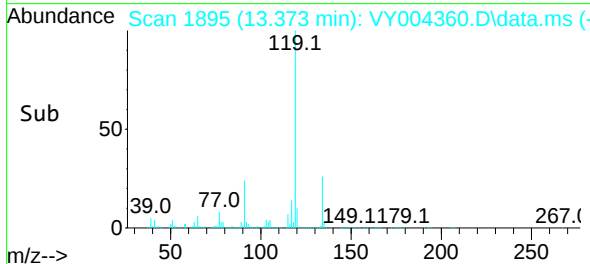
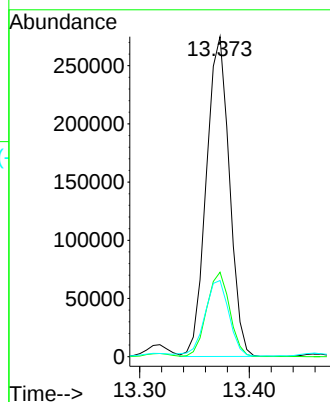
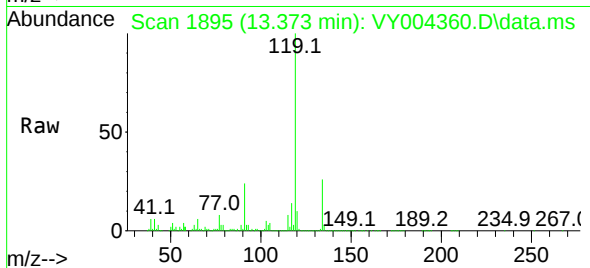




#86
p-Isopropyltoluene
Concen: 130.34 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

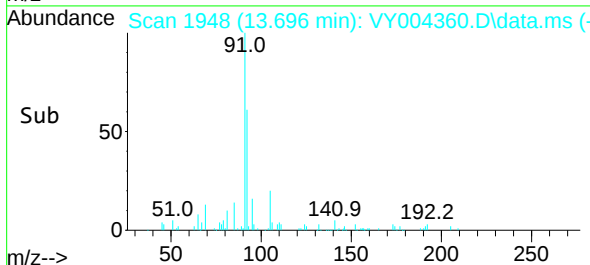
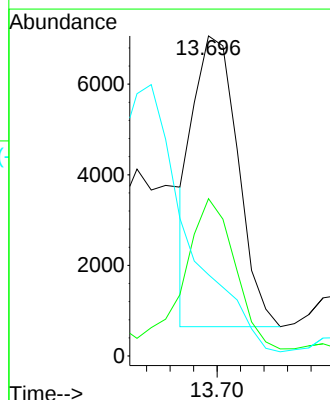
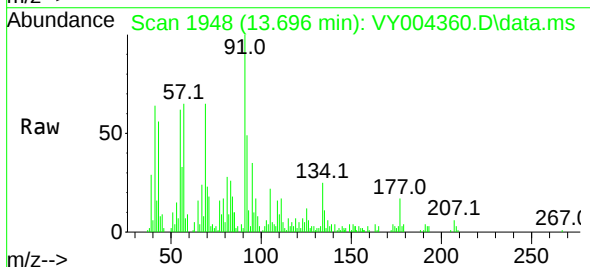
Instrument :
MSVOA_Y
ClientSampleId :
41019

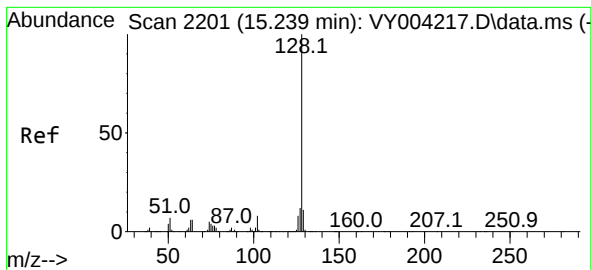
Tgt Ion:119 Resp: 401936
Ion Ratio Lower Upper
119 100
134 26.3 13.3 39.9
91 24.7 12.0 36.0



#89
n-Butylbenzene
Concen: 2.98 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Tgt Ion: 91 Resp: 8452
Ion Ratio Lower Upper
91 100
92 62.2 26.5 79.4
134 0.0 13.6 40.7#





#95
Naphthalene
Concen: 7.84 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004360.D
Acq: 09 Apr 2021 16:09

Instrument :
MSVOA_Y
ClientSampleId :
41019

Tgt Ion:128 Resp: 15840
Ion Ratio Lower Upper
128 100
127 17.0 10.1 15.1#
129 14.2 8.9 13.3#

