

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042221\
 Data File : VY004593.D
 Acq On : 22 Apr 2021 18:21
 Operator : SY/MD
 Sample : M2119-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12016

Manual Integrations
 APPROVED

MMDadoda
 4/23/2021 6:11:44 PM

Quant Time: Apr 23 09:23:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	117289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	206034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	94013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	80094	61.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.92%			
35) Dibromofluoromethane	7.728	113	65793	57.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.08%			
50) Toluene-d8	10.185	98	195998	40.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 80.60%			
62) 4-Bromofluorobenzene	12.483	95	22221	13.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 26.92%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	245219	1909.38	ug/l	99
16) Acetone	3.960	43	147367	556.37	ug/l	97
18) Methyl Acetate	4.497	43	1653	1.82	ug/l #	78
25) 2-Butanone	7.002	43	81804	164.79	ug/l	96
40) Benzene	8.173	78	21096	3.67	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	18060	14.07	ug/l	98
52) Toluene	10.246	92	33432	8.98	ug/l	95
59) 2-Hexanone	10.837	43	29672	34.48	ug/l	96
67) Ethyl Benzene	11.599	91	20558	5.73	ug/l	94
68) m/p-Xylenes	11.703	106	20543	15.40	ug/l	97
69) o-Xylene	12.032	106	10610	8.49	ug/l	100
73) Isopropylbenzene	12.331	105	6631	7.48	ug/l	98
78) n-propylbenzene	12.672	91	9059	8.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	10673	14.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	36962	50.81	ug/l	86
85) sec-Butylbenzene	13.257	105	7758	9.01	ug/l	84
86) p-Isopropyltoluene	13.373	119	4407	5.63	ug/l	88
89) n-Butylbenzene	13.696	91	3078m	4.12	ug/l	
95) Naphthalene	15.239	128	10668	22.52	ug/l	97

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

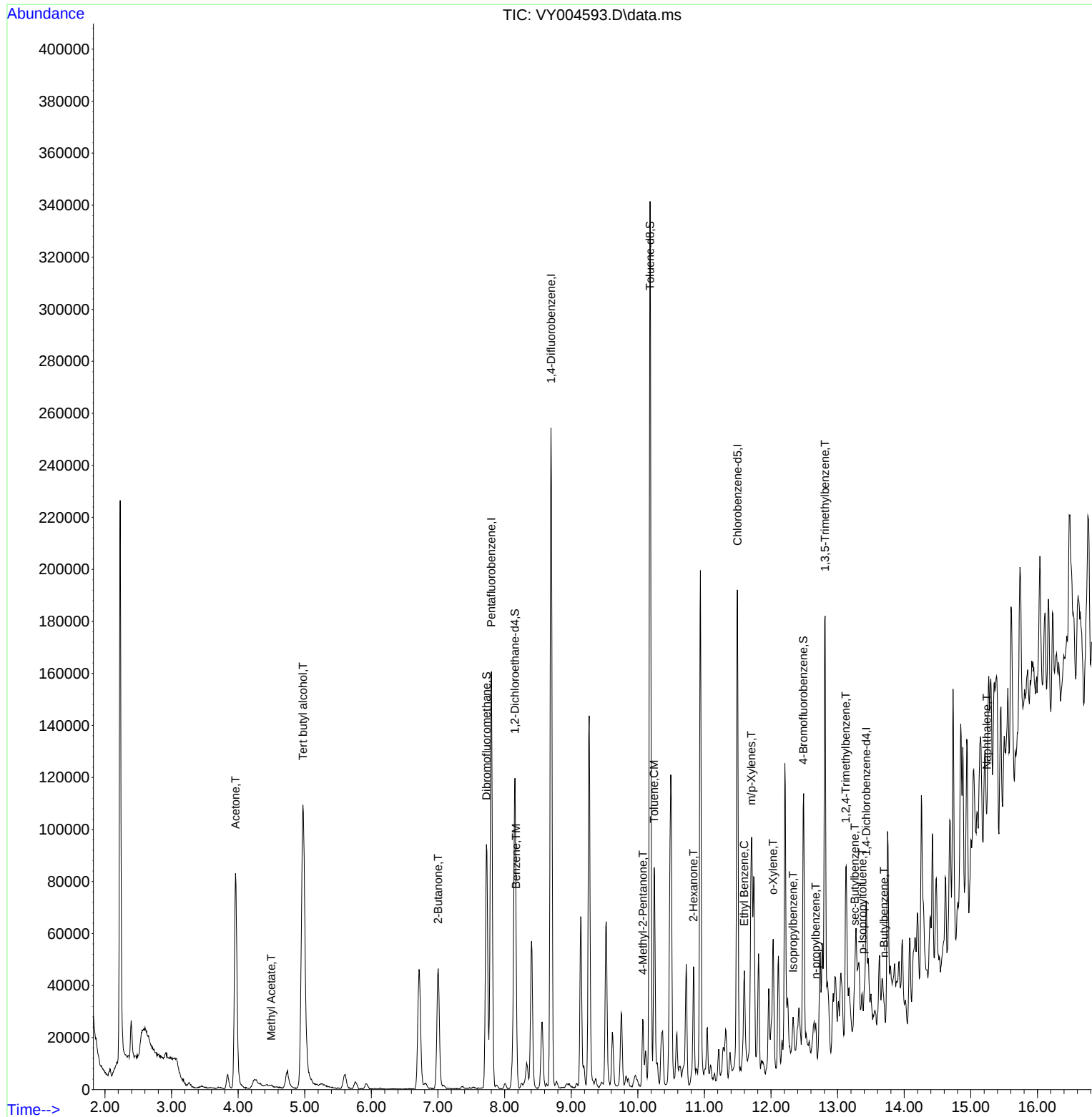
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042221\
Data File : VY004593.D
Acq On : 22 Apr 2021 18:21
Operator : SY/MD
Sample : M2119-01
Misc : 5.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

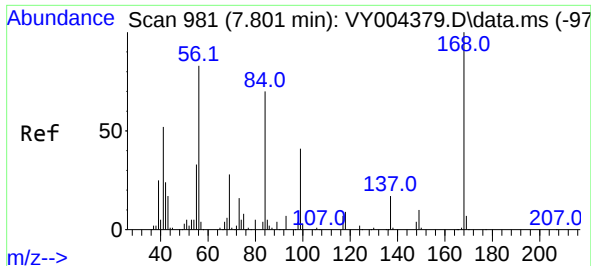
Instrument :
MSVOA_Y
ClientSampleId :
12016

Manual Integrations
APPROVED

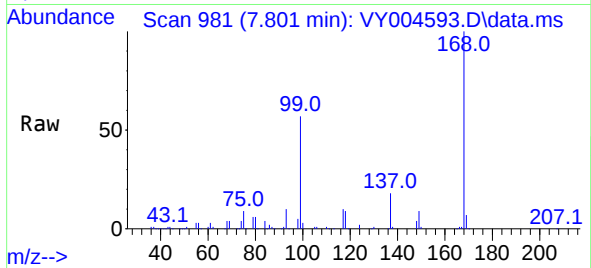
MMDadoda
4/23/2021 6:11:44 PM

Quant Time: Apr 23 09:23:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

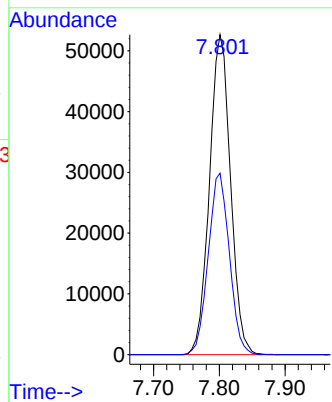
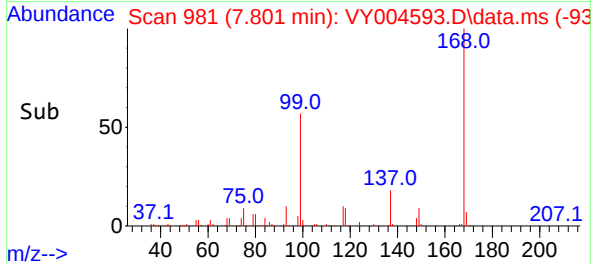




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



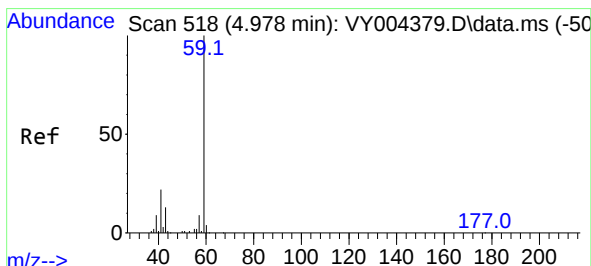
Tgt Ion: 168 Resp: 117289
Ion Ratio Lower Upper
168 100
99 56.7 45.5 68.3



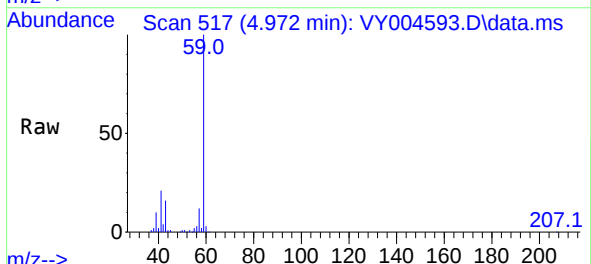
Instrument :
MSVOA_Y
ClientSampleId :
12016

Manual Integrations
APPROVED

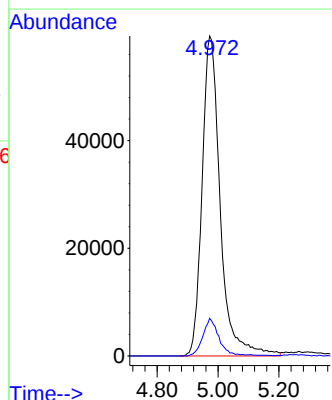
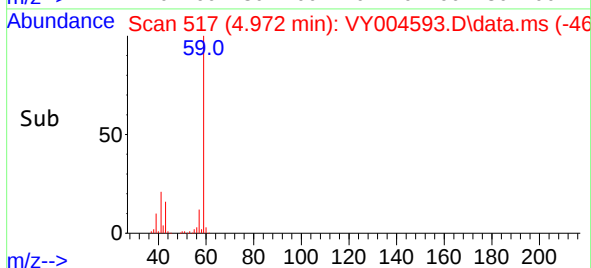
MMDadoda
4/23/2021 6:11:44 PM

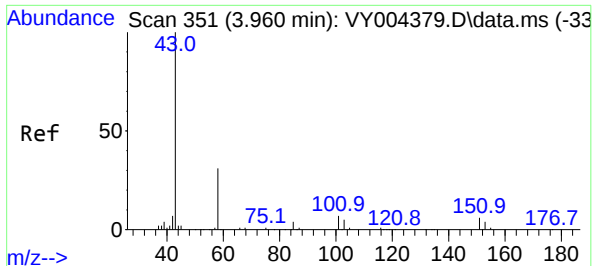


#11
Tert butyl alcohol
Concen: 1909.38 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



Tgt Ion: 59 Resp: 245219
Ion Ratio Lower Upper
59 100
57 10.4 8.1 12.1





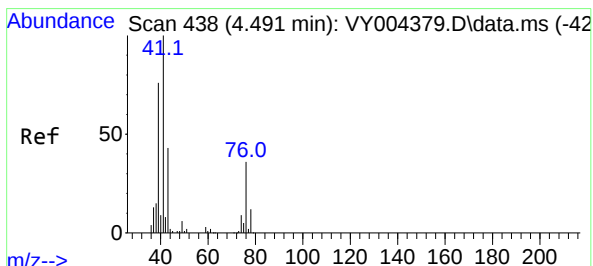
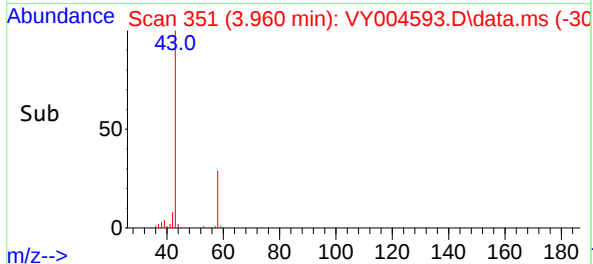
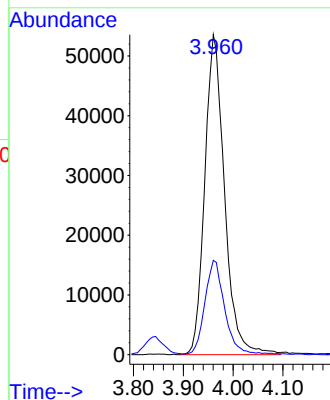
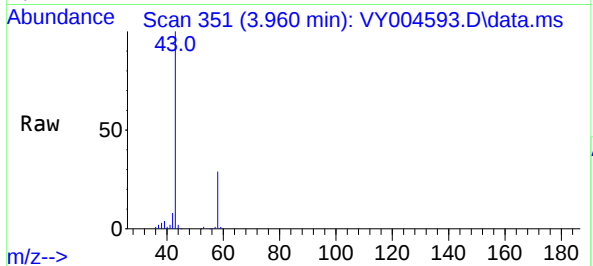
#16
Acetone
Concen: 556.37 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

Tgt Ion: 43 Resp: 147367
Ion Ratio Lower Upper
43 100
58 29.3 24.6 37.0

Instrument :
MSVOA_Y
ClientSampled :
12016

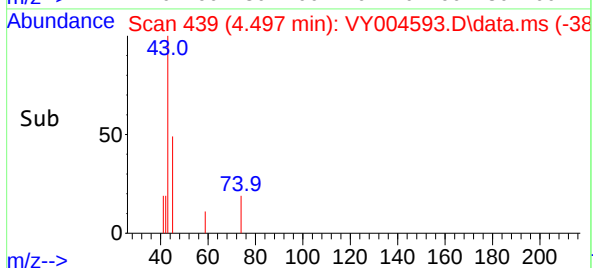
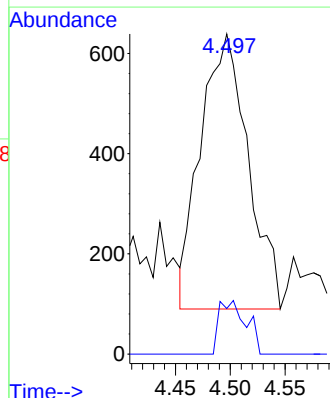
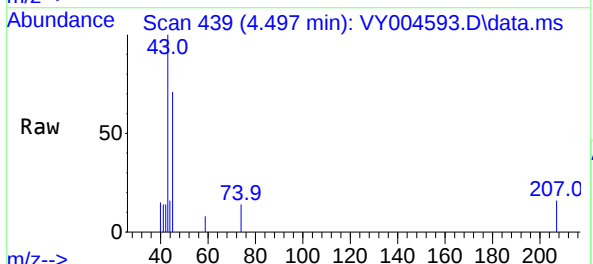
Manual Integrations
APPROVED

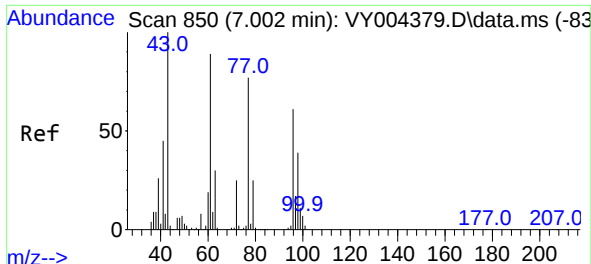
MMDadoda
4/23/2021 6:11:44 PM



#18
Methyl Acetate
Concen: 1.82 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

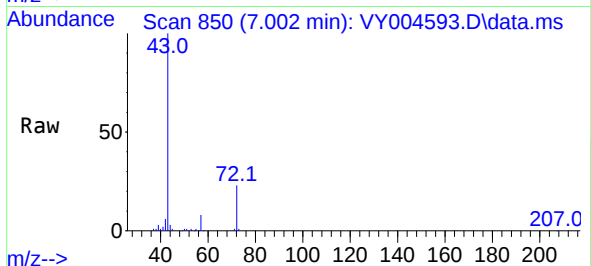
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
74 11.1 17.2 25.8#





#25
2-Butanone
Concen: 164.79 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

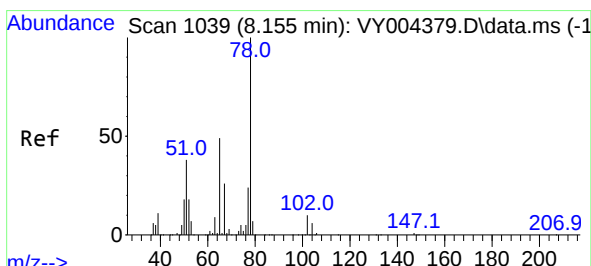
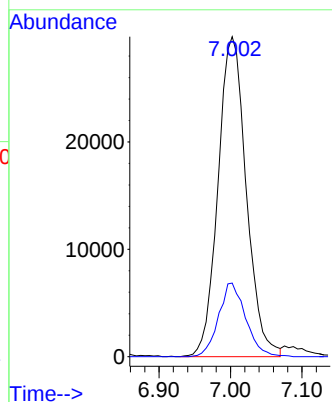
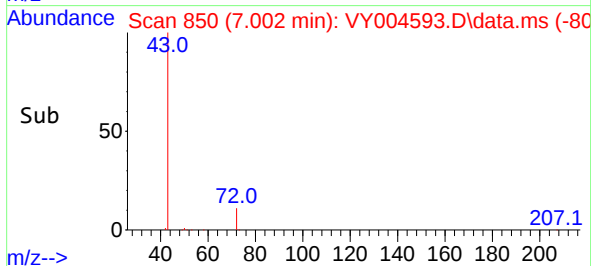
Instrument :
MSVOA_Y
ClientSampled :
12016



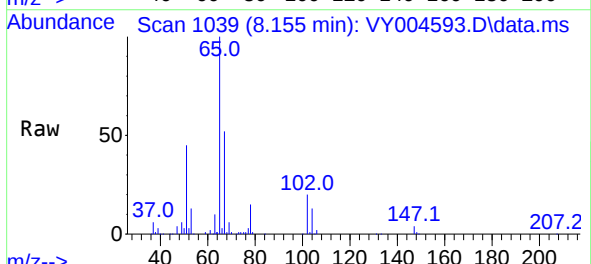
Tgt Ion: 43 Resp: 81804
Ion Ratio Lower Upper
43 100
72 23.0 20.2 30.2

Manual Integrations
APPROVED

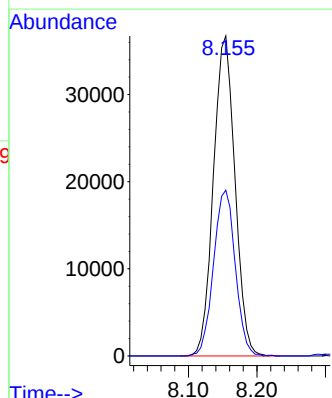
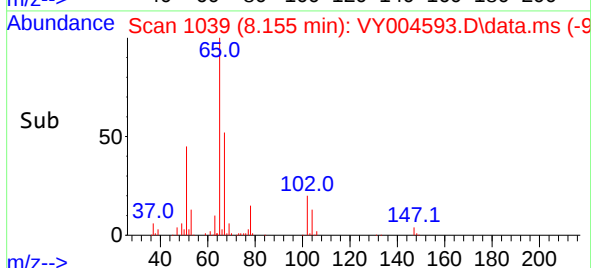
MMDadoda
4/23/2021 6:11:44 PM

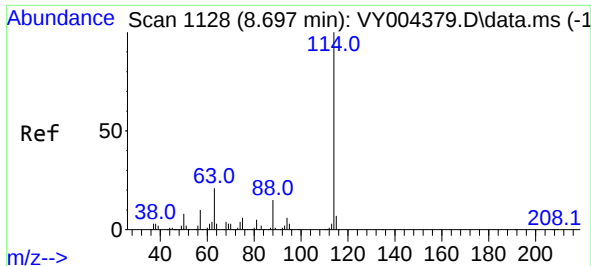


#33
1,2-Dichloroethane-d4
Concen: 61.46 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



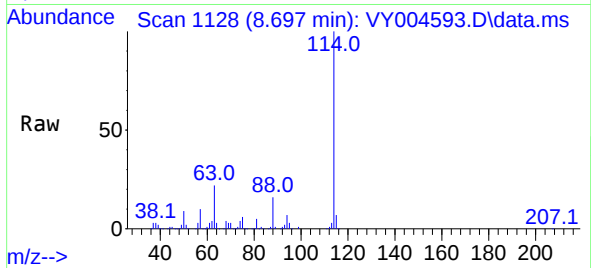
Tgt Ion: 65 Resp: 80094
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.4





#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

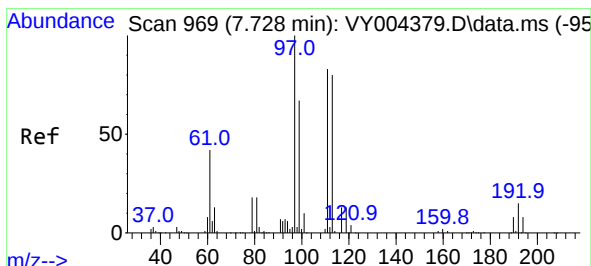
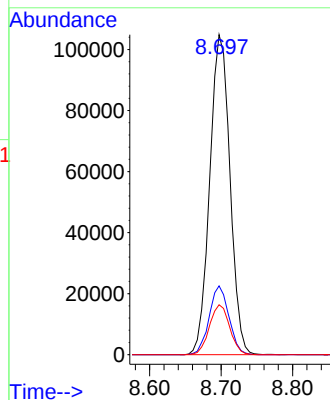
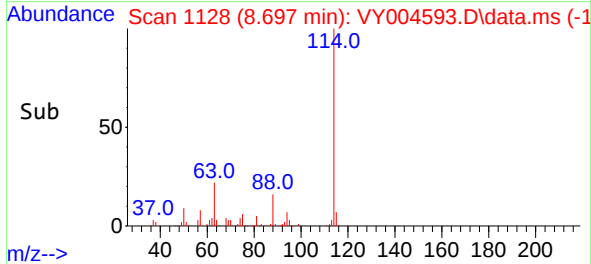
Instrument :
MSVOA_Y
ClientSampled :
12016



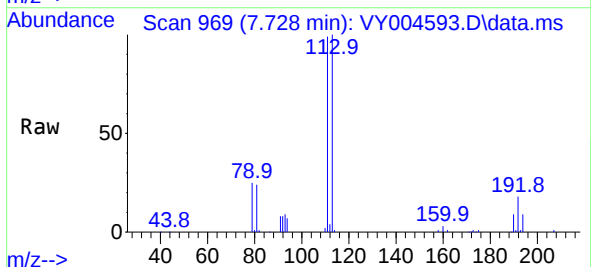
Tgt Ion:114 Resp: 206034
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.4
88 15.6 0.0 30.8

Manual Integrations
APPROVED

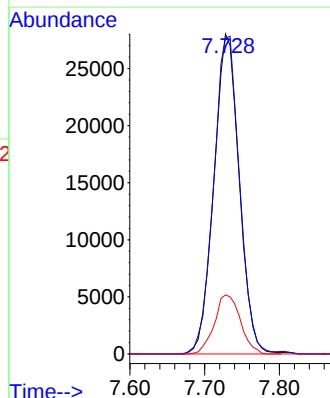
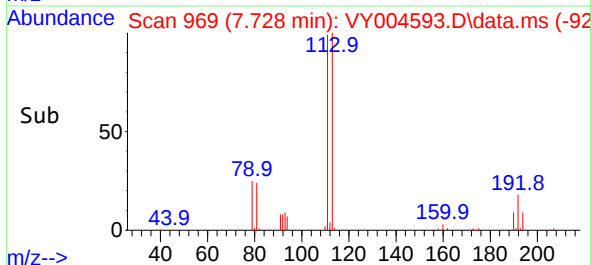
MMDadoda
4/23/2021 6:11:44 PM

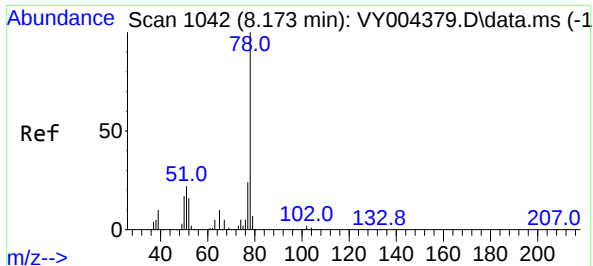


#35
Dibromofluoromethane
Concen: 57.54 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



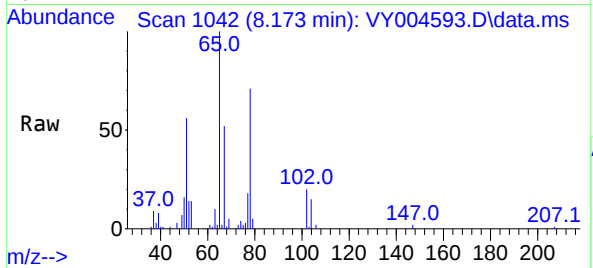
Tgt Ion:113 Resp: 65793
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 19.0 16.1 24.1





#40
Benzene
Concen: 3.67 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

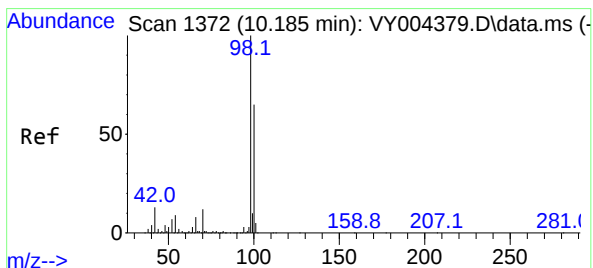
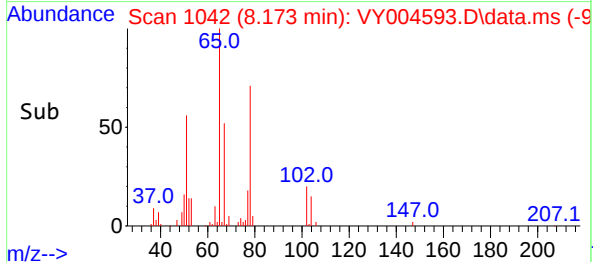
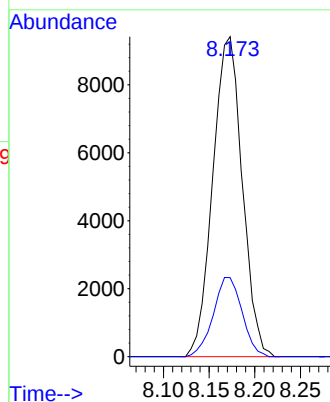
Instrument :
MSVOA_Y
ClientSampled :
12016



Tgt Ion: 78 Resp: 21096
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0

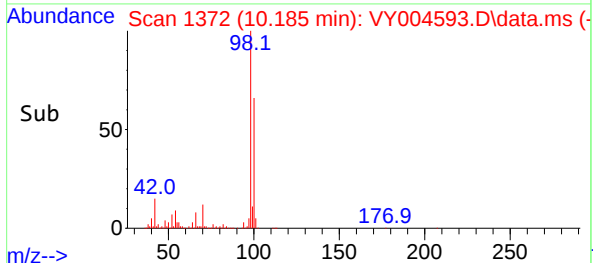
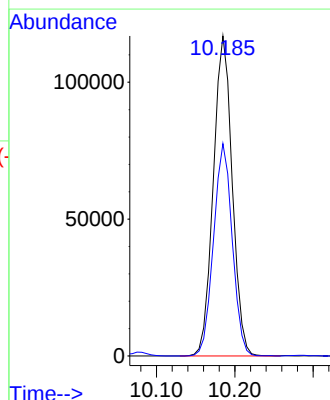
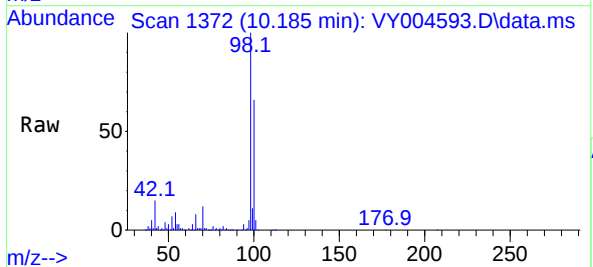
Manual Integrations
APPROVED

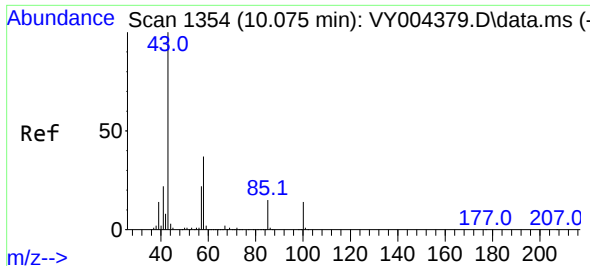
MMDadoda
4/23/2021 6:11:44 PM



#50
Toluene-d8
Concen: 40.30 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

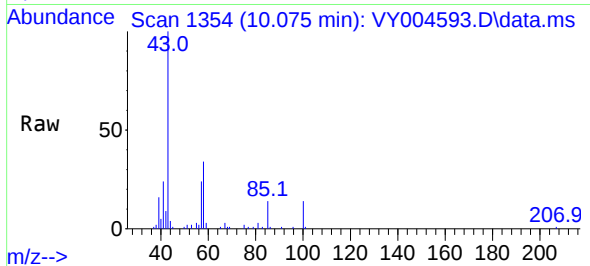
Tgt Ion: 98 Resp: 195998
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6





#51
4-Methyl-2-Pentanone
Concen: 14.07 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

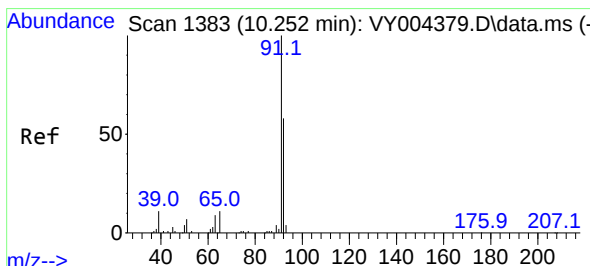
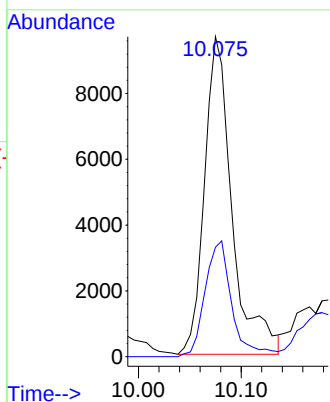
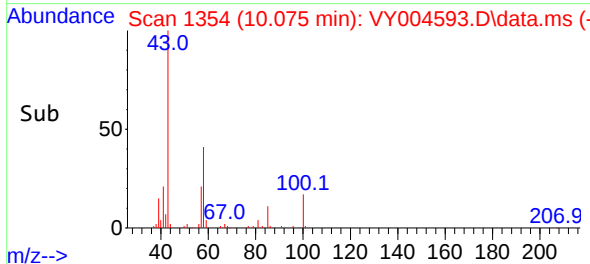
Instrument :
MSVOA_Y
ClientSampled :
12016



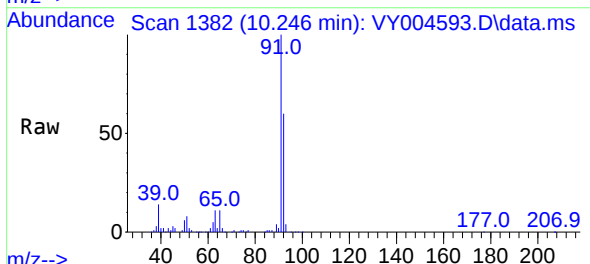
Tgt Ion: 43 Resp: 18060
Ion Ratio Lower Upper
43 100
58 35.3 29.2 43.8

Manual Integrations
APPROVED

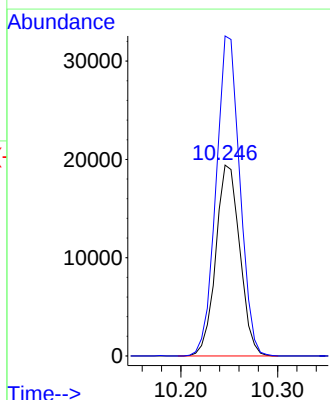
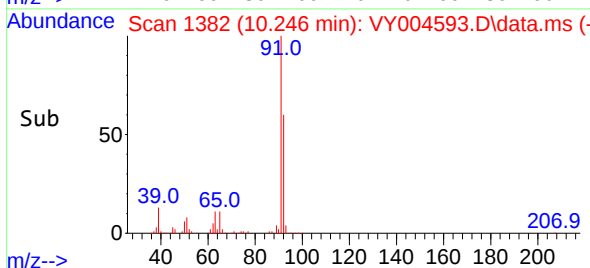
MMDadoda
4/23/2021 6:11:44 PM

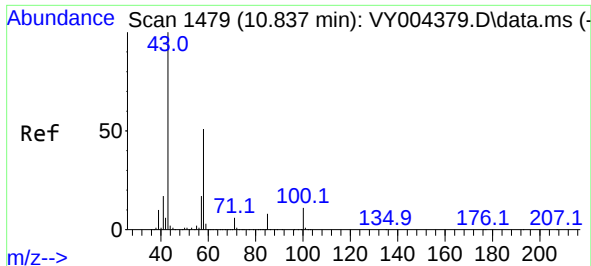


#52
Toluene
Concen: 8.98 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

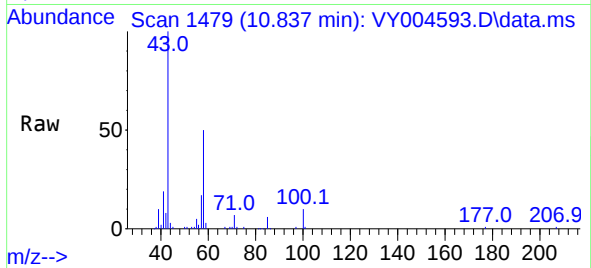


Tgt Ion: 92 Resp: 33432
Ion Ratio Lower Upper
92 100
91 165.9 137.8 206.6

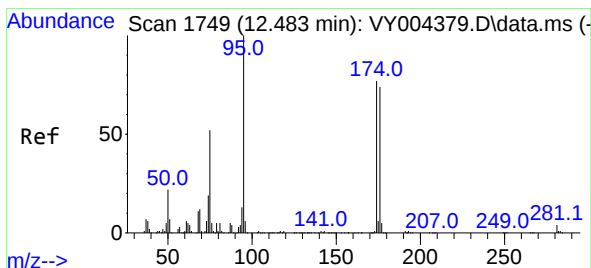
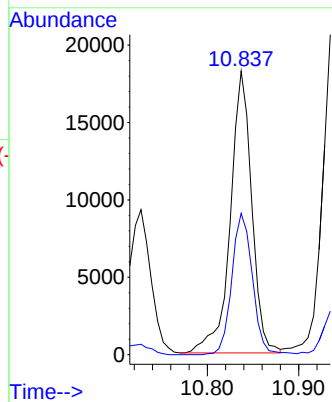
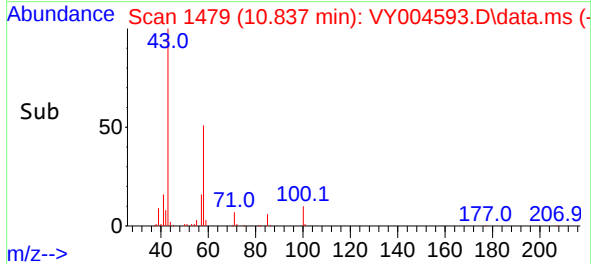




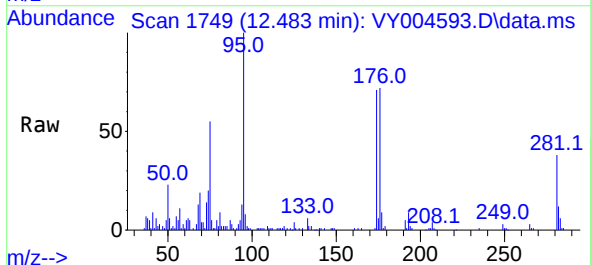
#59
2-Hexanone
Concen: 34.48 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



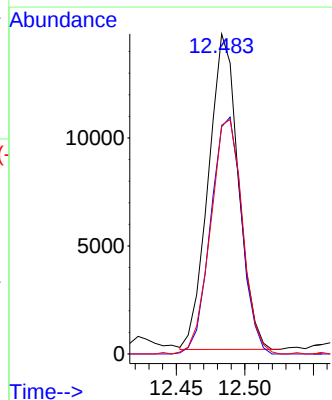
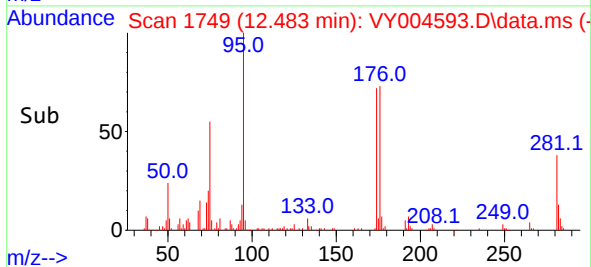
Tgt Ion: 43 Resp: 29672
Ion Ratio Lower Upper
43 100
58 48.3 25.4 76.4



#62
4-Bromofluorobenzene
Concen: 13.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



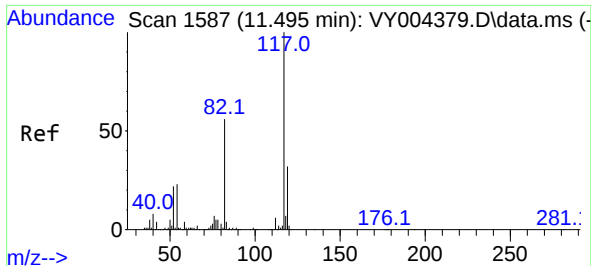
Tgt Ion: 95 Resp: 22221
Ion Ratio Lower Upper
95 100
174 77.9 0.0 162.4
176 79.1 0.0 156.0



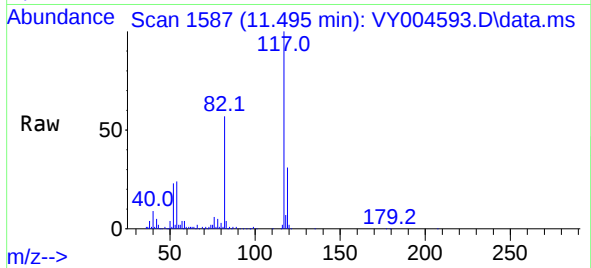
Instrument :
MSVOA_Y
ClientSampled :
12016

Manual Integrations
APPROVED

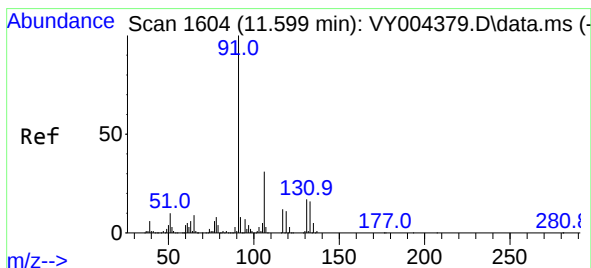
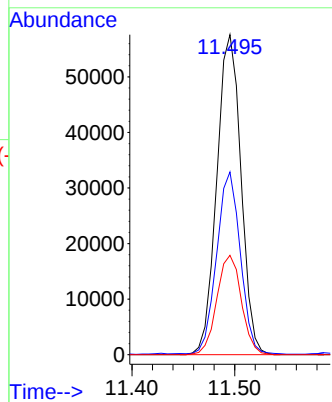
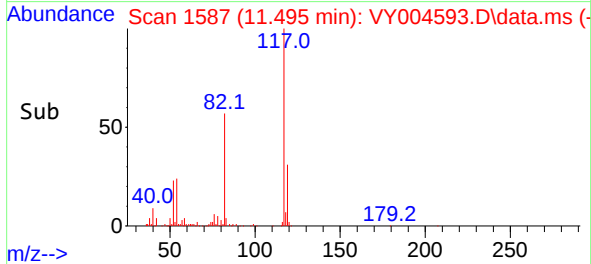
MMDadoda
4/23/2021 6:11:44 PM



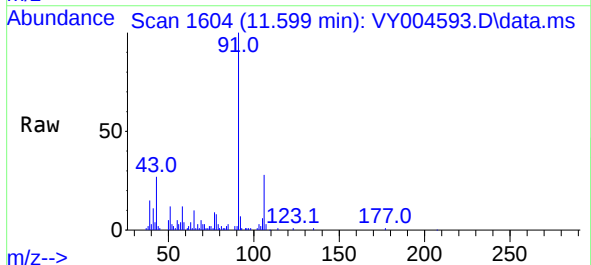
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



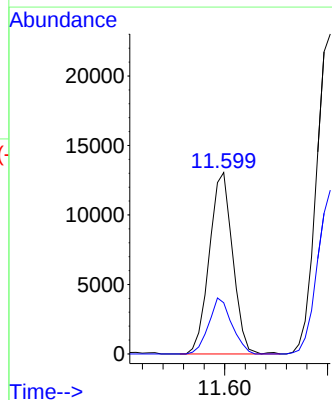
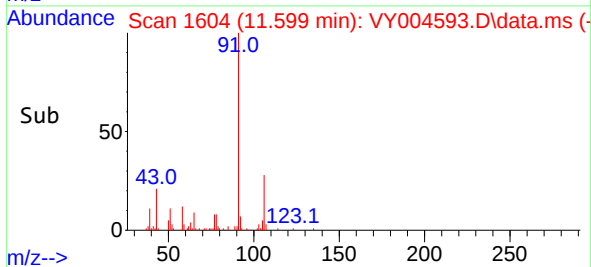
Tgt Ion: 117 Resp: 94013
Ion Ratio Lower Upper
117 100
82 56.8 44.9 67.3
119 31.0 25.4 38.0



#67
Ethyl Benzene
Concen: 5.73 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



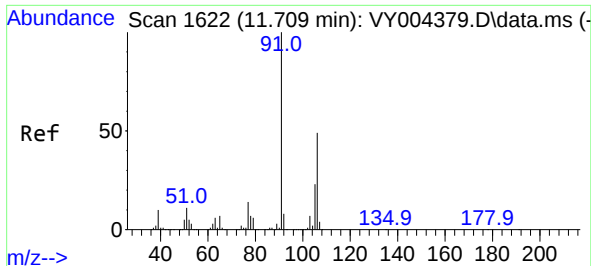
Tgt Ion: 91 Resp: 20558
Ion Ratio Lower Upper
91 100
106 28.2 25.1 37.7



Instrument :
MSVOA_Y
ClientSampled :
12016

Manual Integrations
APPROVED

MMDadoda
4/23/2021 6:11:44 PM



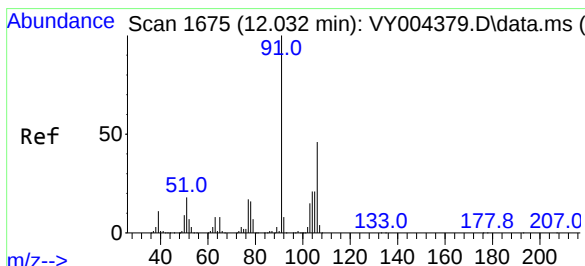
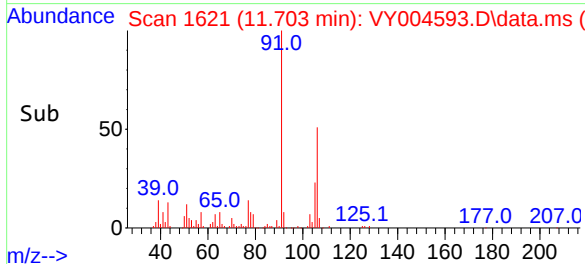
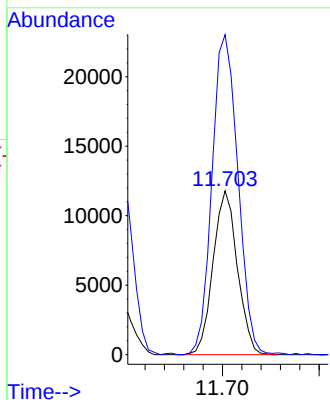
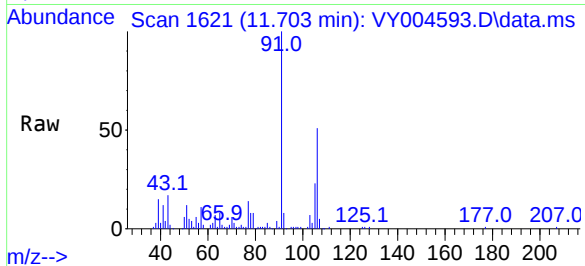
#68
m/p-Xylenes
Concen: 15.40 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

Tgt Ion:106 Resp: 20543
Ion Ratio Lower Upper
106 100
91 208.2 163.2 244.8

Instrument :
MSVOA_Y
ClientSampled :
12016

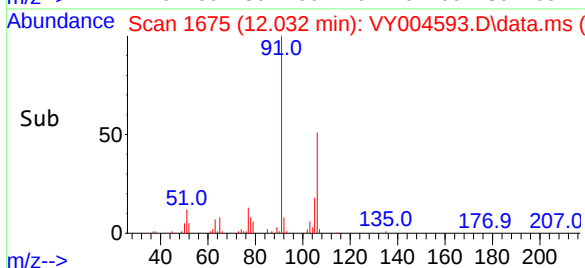
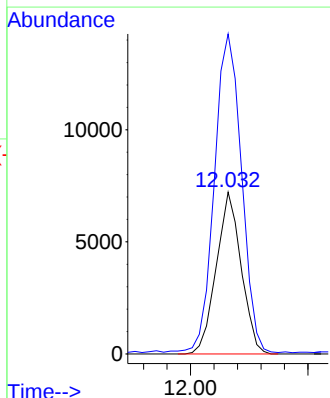
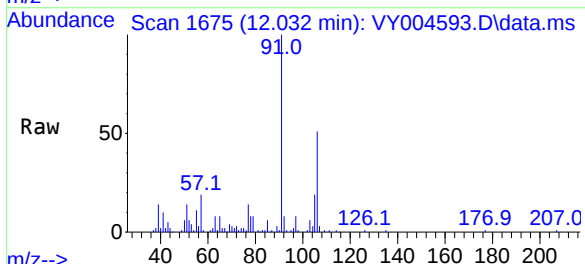
Manual Integrations
APPROVED

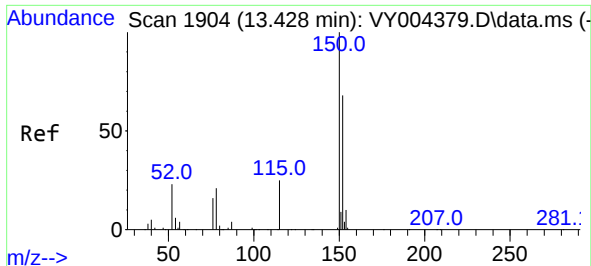
MMDadoda
4/23/2021 6:11:44 PM



#69
o-Xylene
Concen: 8.49 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

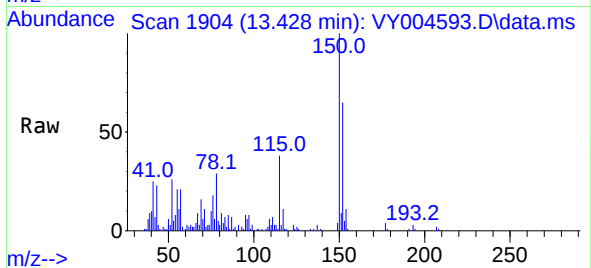
Tgt Ion:106 Resp: 10610
Ion Ratio Lower Upper
106 100
91 214.4 107.4 322.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

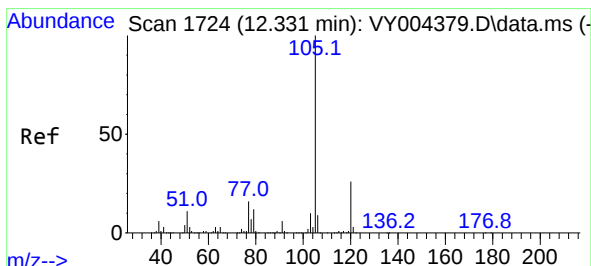
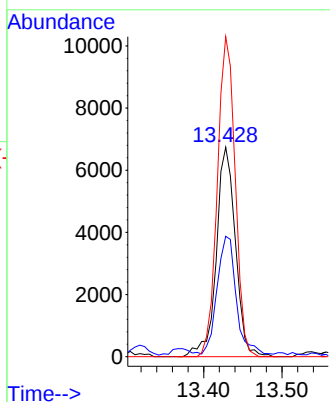
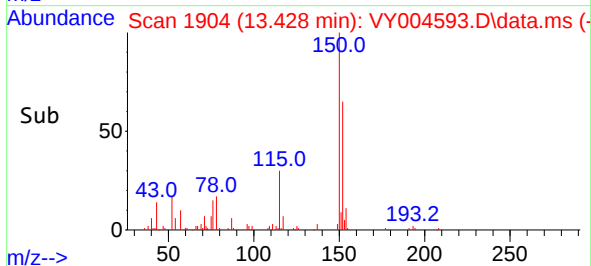
Instrument :
MSVOA_Y
ClientSampled :
12016



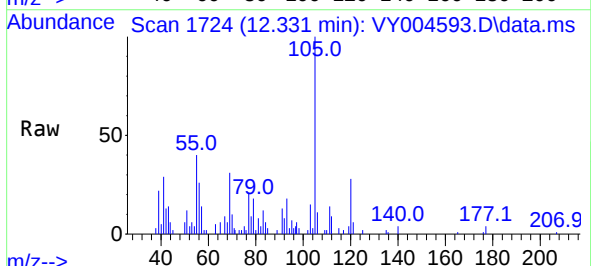
Tgt Ion:152 Resp: 11478
Ion Ratio Lower Upper
152 100
115 56.0 29.6 88.8
150 142.2 0.0 348.4

Manual Integrations
APPROVED

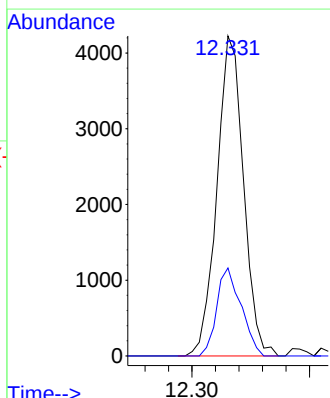
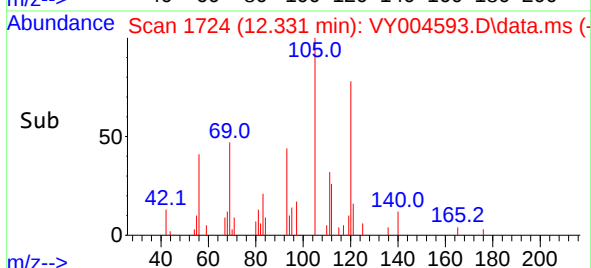
MMDadoda
4/23/2021 6:11:44 PM

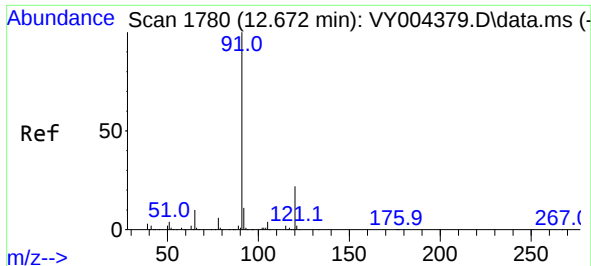


#73
Isopropylbenzene
Concen: 7.48 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



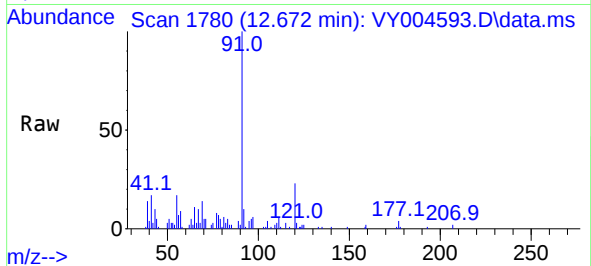
Tgt Ion:105 Resp: 6631
Ion Ratio Lower Upper
105 100
120 25.2 13.2 39.5





#78
n-propylbenzene
Concen: 8.65 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

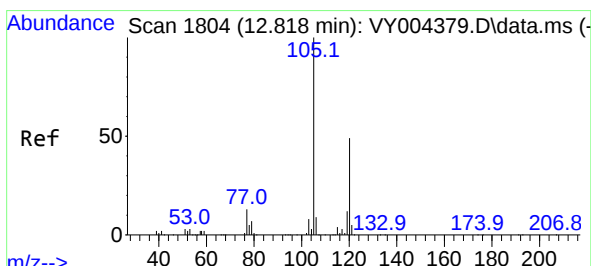
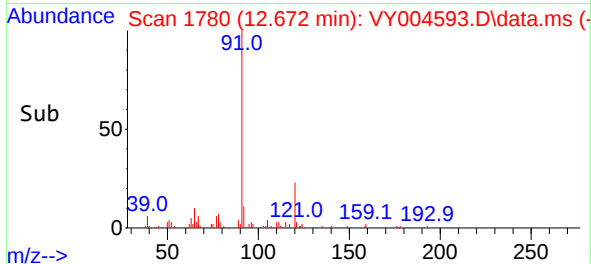
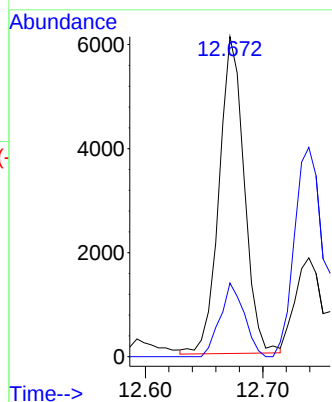
Instrument :
MSVOA_Y
ClientSampled :
12016



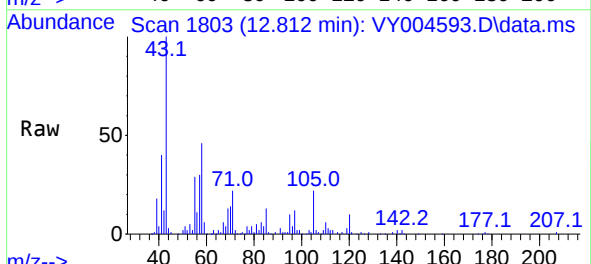
Tgt Ion: 91 Resp: 9059
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.4

Manual Integrations
APPROVED

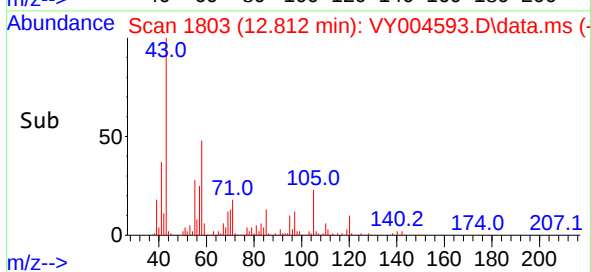
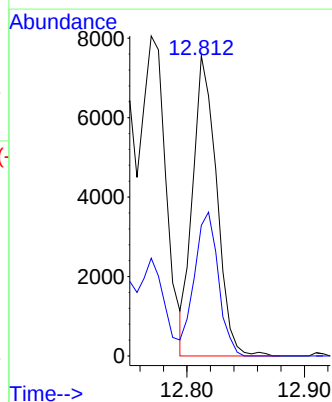
MMDadoda
4/23/2021 6:11:44 PM

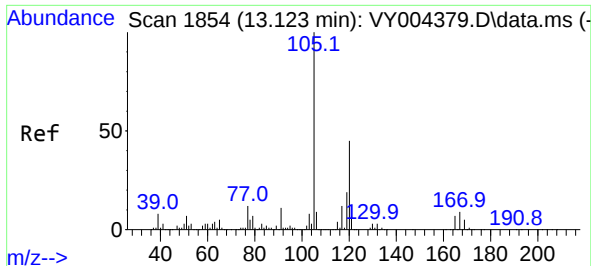


#80
1,3,5-Trimethylbenzene
Concen: 14.81 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

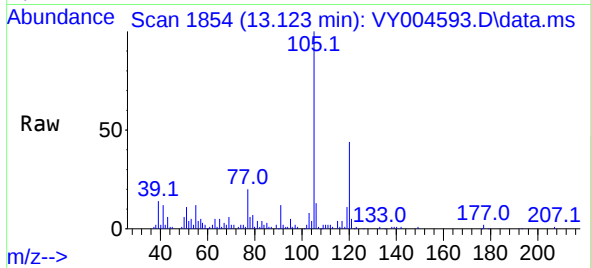


Tgt Ion: 105 Resp: 10673
Ion Ratio Lower Upper
105 100
120 47.9 24.6 74.0

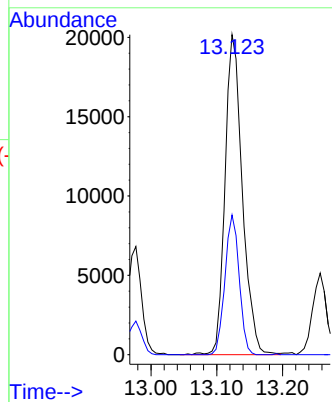
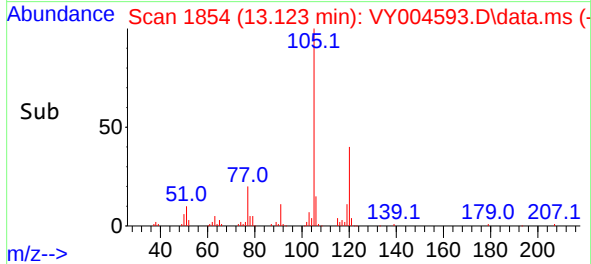




#84
1,2,4-Trimethylbenzene
Concen: 50.81 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



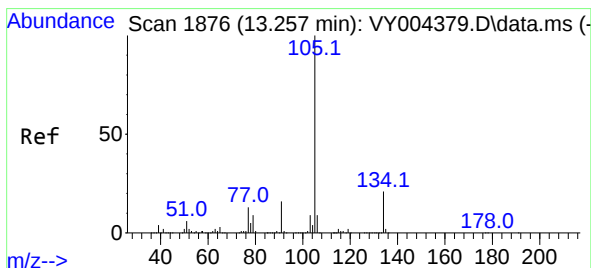
Tgt Ion:105 Resp: 36962
Ion Ratio Lower Upper
105 100
120 35.8 22.4 67.3



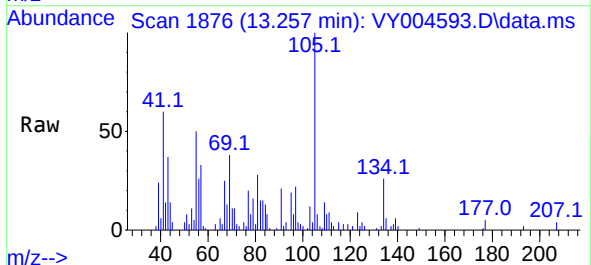
Instrument :
MSVOA_Y
ClientSampled :
12016

Manual Integrations
APPROVED

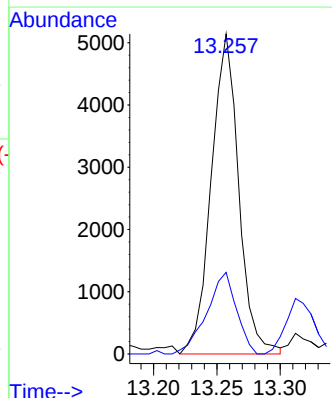
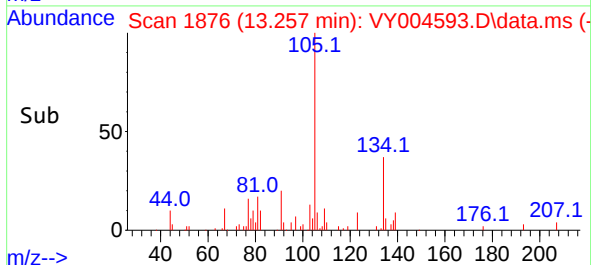
MMDadoda
4/23/2021 6:11:44 PM

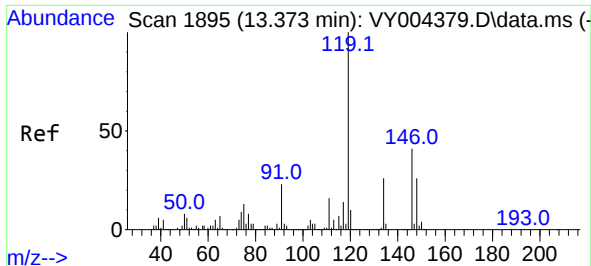


#85
sec-Butylbenzene
Concen: 9.01 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

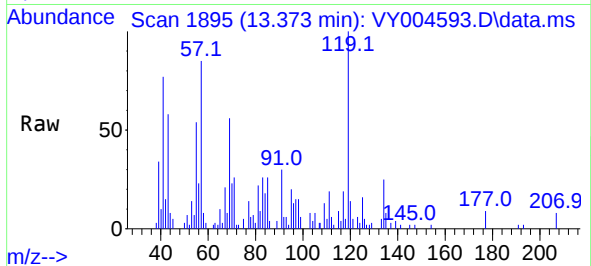


Tgt Ion:105 Resp: 7758
Ion Ratio Lower Upper
105 100
134 27.4 10.1 30.3

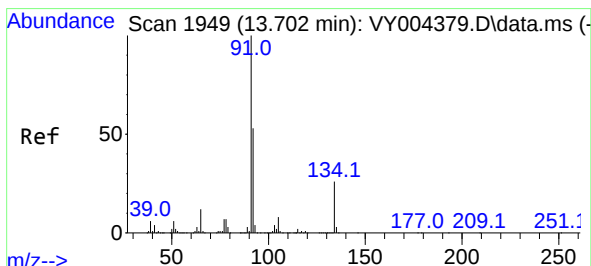
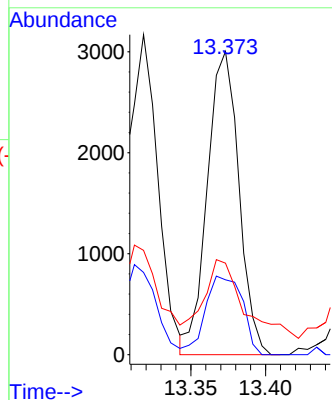
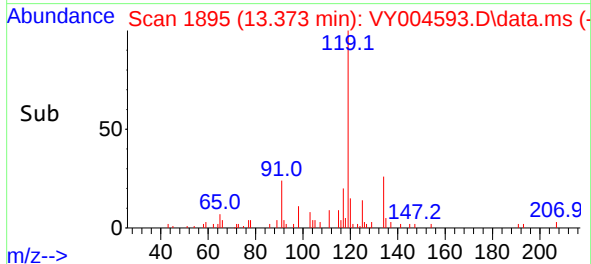




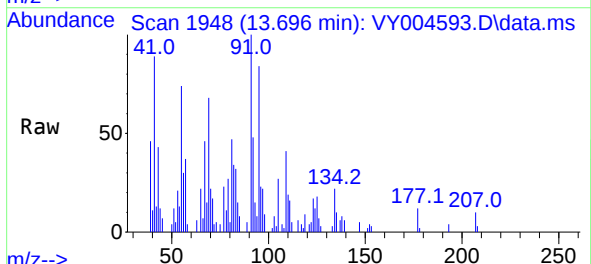
#86
p-Isopropyltoluene
Concen: 5.63 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



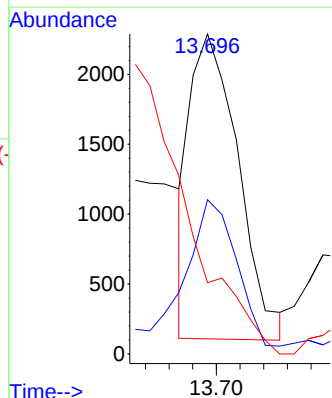
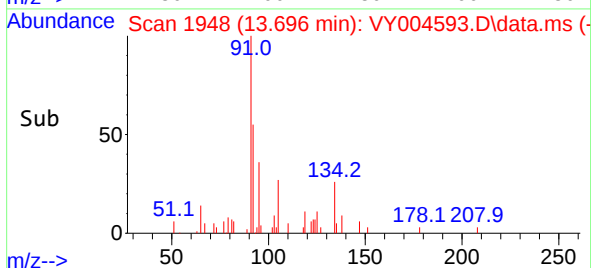
Tgt Ion: 119 Resp: 4407
Ion Ratio Lower Upper
119 100
134 30.3 13.3 39.8
91 32.5 11.9 35.7



#89
n-Butylbenzene
Concen: 4.12 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21



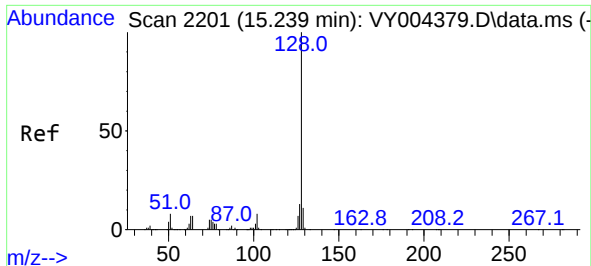
Tgt Ion: 91 Resp: 3078
Ion Ratio Lower Upper
91 100
92 53.6 26.6 79.8
134 0.0 12.7 38.1#



Instrument :
MSVOA_Y
ClientSampled :
12016

Manual Integrations
APPROVED

MMDadoda
4/23/2021 6:11:44 PM



#95
Naphthalene
Concen: 22.52 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004593.D
Acq: 22 Apr 2021 18:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.2
129	12.3	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
12016

Manual Integrations
APPROVED

MMDadoda
4/23/2021 6:11:44 PM

