

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021022\
 Data File : VY007469.D
 Acq On : 10 Feb 2022 14:14
 Operator : SY/MD
 Sample : N1465-01
 Misc : 6.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A5-1-8.5

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2022
 Supervised By : Mahesh Dadoda 02/11/2022

Quant Time: Feb 11 00:50:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	44155	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.697	114	118349	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.502	117	118299	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	61575	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	39589	77.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.900%			
35) Dibromofluoromethane	7.728	113	39399	51.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.680%			
50) Toluene-d8	10.191	98	642138	228.707	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 457.420%#			
62) 4-Bromofluorobenzene	12.483	95	207783	217.732	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 435.460%#			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.198	76	6572	4.073	ug/l	97
31) Cyclohexane	7.801	56	7212511	7277.786	ug/l #	74
39) Methylcyclohexane	9.203	83	8604948	5157.285	ug/l	92
40) Benzene	8.173	78	7058695	2004.362	ug/l	98
52) Toluene	10.258	92	3129480	1410.393	ug/l	94
67) Ethyl Benzene	11.599	91	25279779m	5062.195	ug/l	
68) m/p-Xylenes	11.715	106	26864236m	14524.463	ug/l	
69) o-Xylene	12.044	106	7983828	4565.533	ug/l	89
73) Isopropylbenzene	12.343	105	6729852	1195.893	ug/l	99
78) n-propylbenzene	12.684	91	17723940	2600.267	ug/l	95
80) 1,3,5-Trimethylbenzene	12.831	105	14041887	3058.709	ug/l	84
84) 1,2,4-Trimethylbenzene	13.129	105	25113451m	5555.969	ug/l	
85) sec-Butylbenzene	13.263	105	2349680	391.975	ug/l #	58
86) p-Isopropyltoluene	13.379	119	907449	185.831	ug/l	95
89) n-Butylbenzene	13.702	91	2522155	536.629	ug/l #	78
95) Naphthalene	15.239	128	955825	383.920	ug/l	99

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

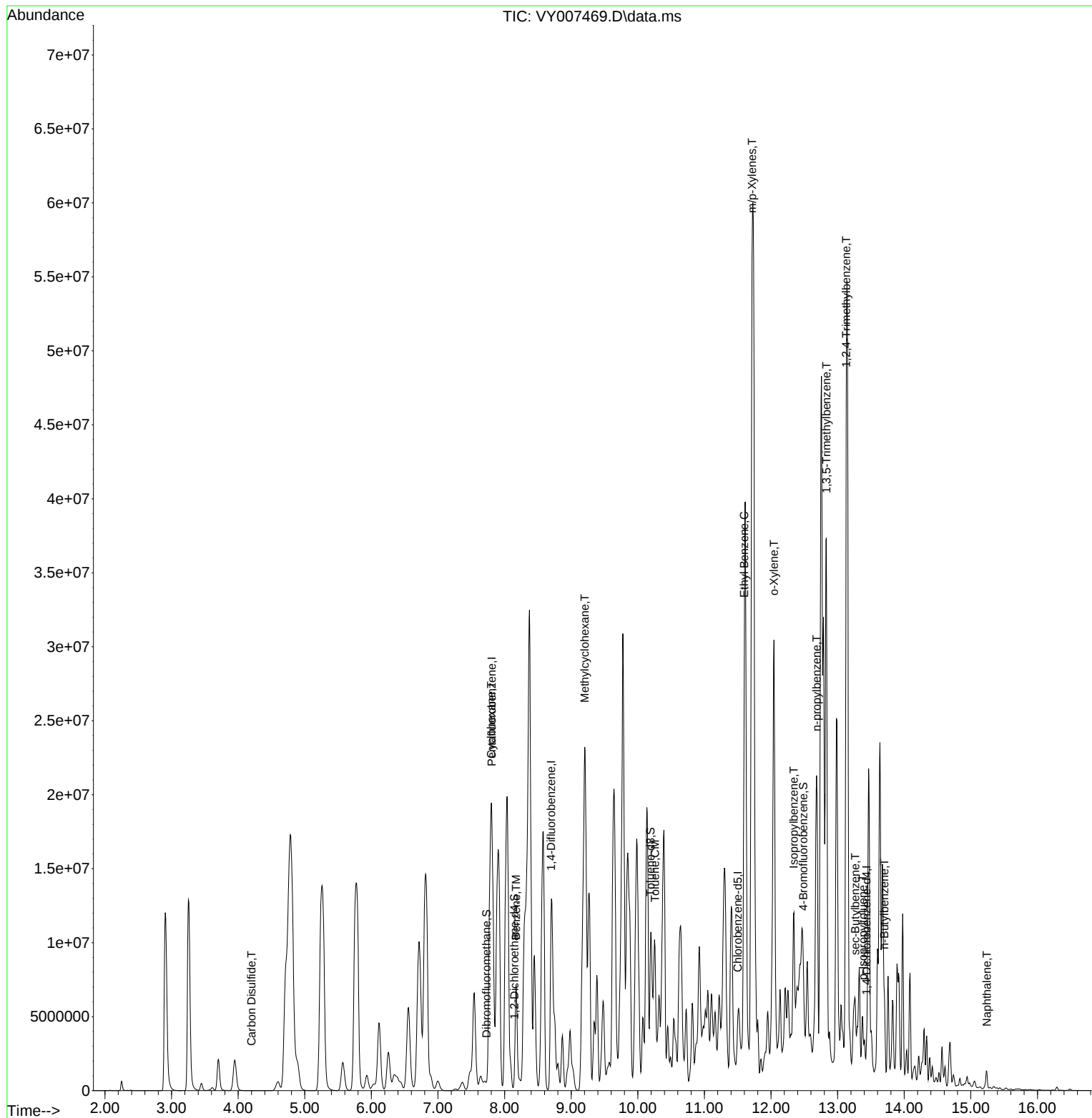
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021022\
Data File : VY007469.D
Acq On : 10 Feb 2022 14:14
Operator : SY/MD
Sample : N1465-01
Misc : 6.79g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

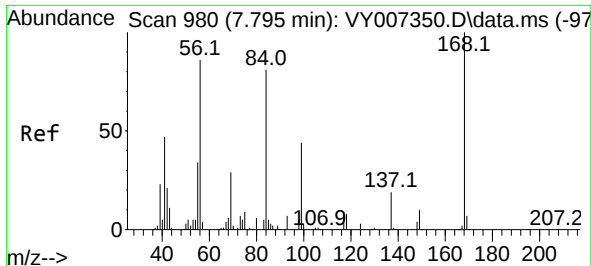
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5

Quant Time: Feb 11 00:50:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 03 04:36:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

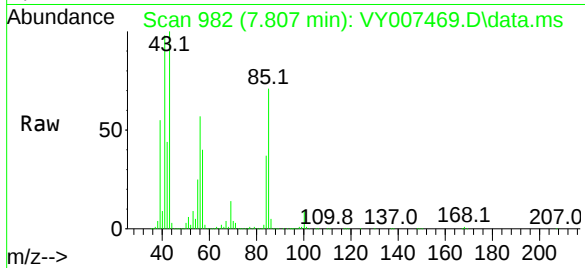
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 99
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

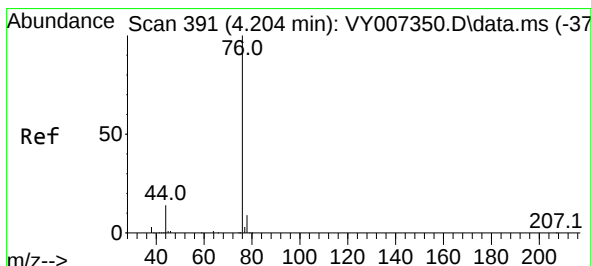
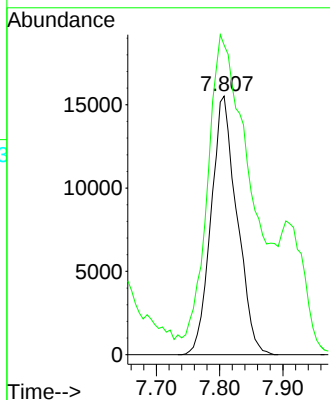
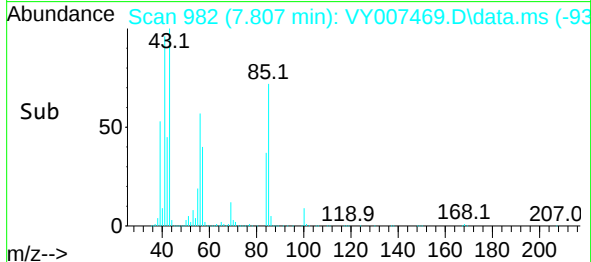
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



Tgt Ion:168 Resp: 4415
Ion Ratio Lower Upper
168 100
99 112.0 46.9 70.3

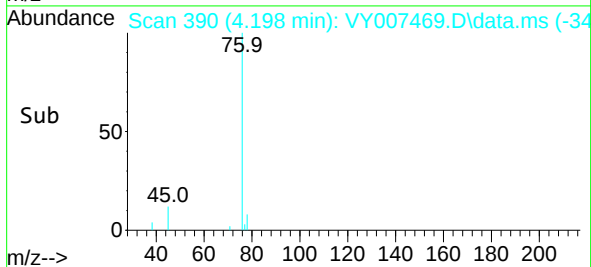
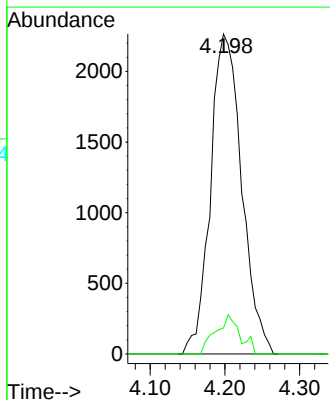
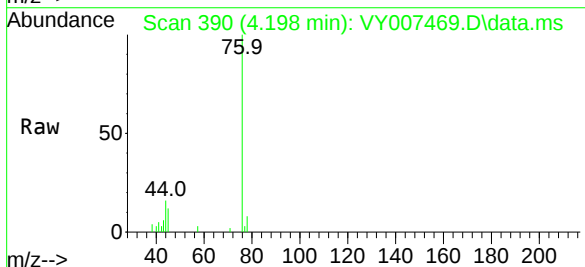
Manual Integrations
APPROVED

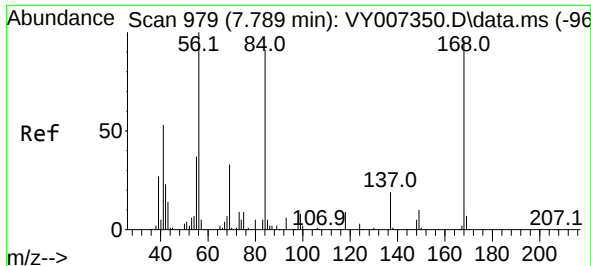
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#17
Carbon Disulfide
Concen: 4.073 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

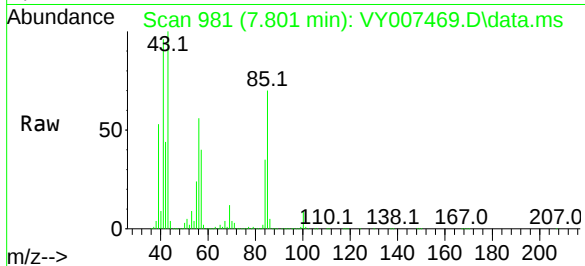
Tgt Ion: 76 Resp: 6572
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0





#31
Cyclohexane
Concen: 7277.786 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

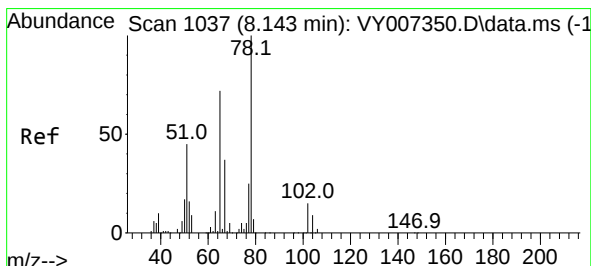
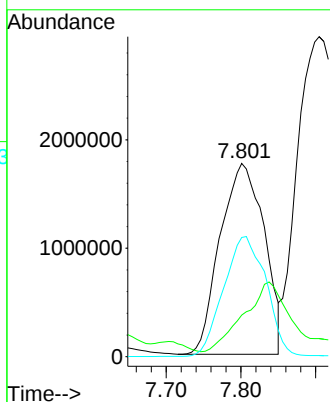
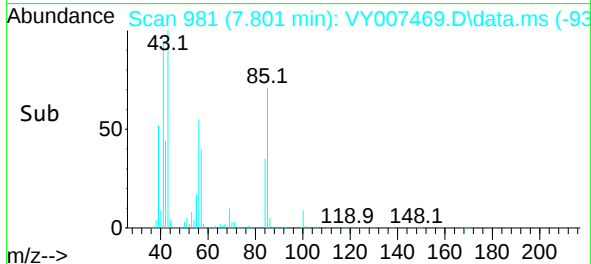
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



Tgt Ion: 56 Resp: 721251
Ion Ratio Lower Upper
56 100
69 15.0 26.7 40.1
84 62.3 67.2 100.8

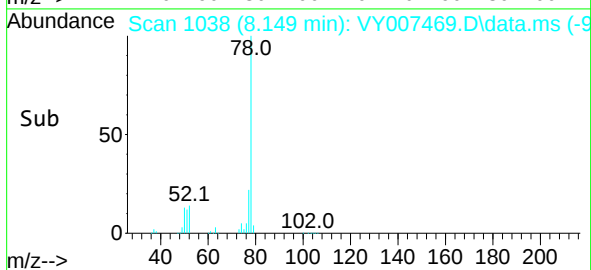
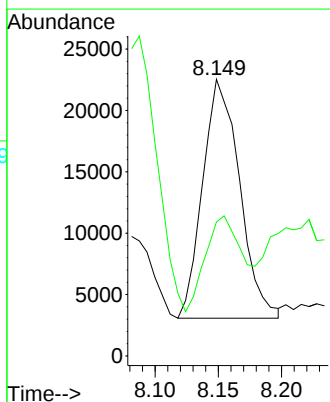
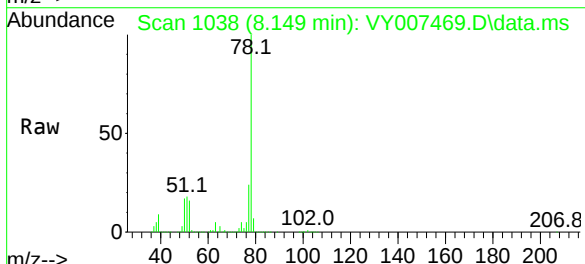
Manual Integrations
APPROVED

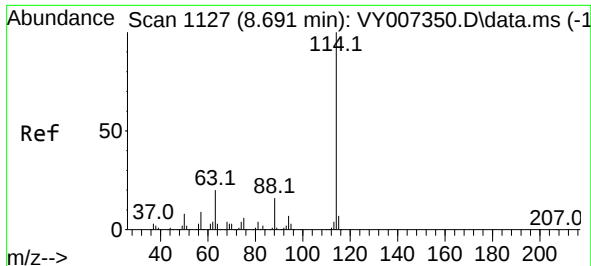
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#33
1,2-Dichloroethane-d4
Concen: 77.948 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

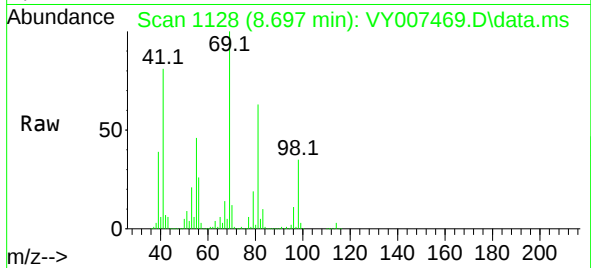
Tgt Ion: 65 Resp: 39589
Ion Ratio Lower Upper
65 100
67 0.0 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

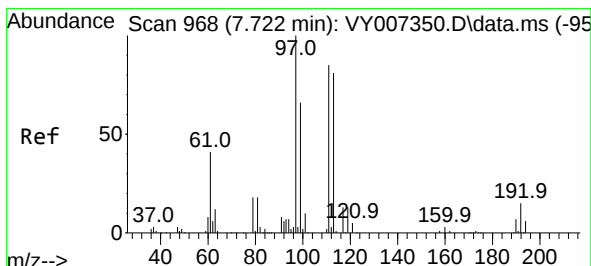
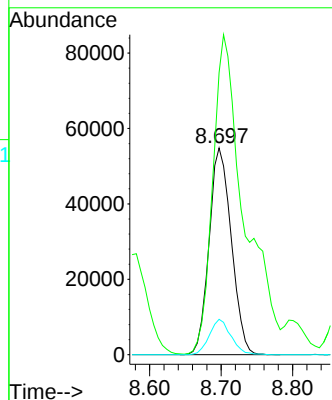
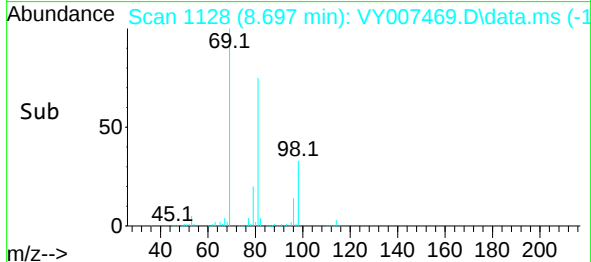
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



Tgt Ion:114 Resp: 118349
Ion Ratio Lower Upper
114 100
63 136.1 0.0 43.2
88 17.1 0.0 31.8

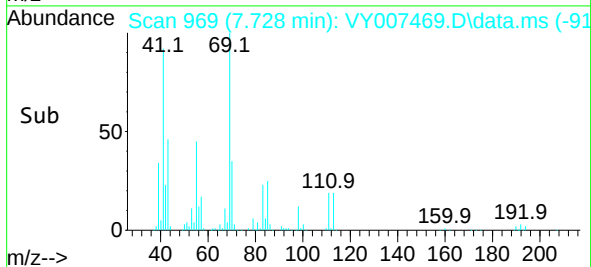
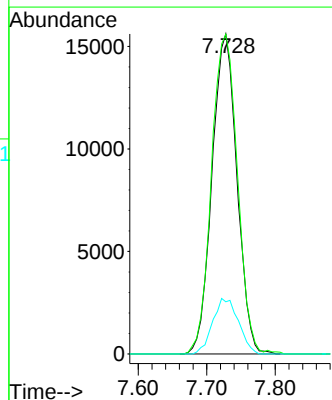
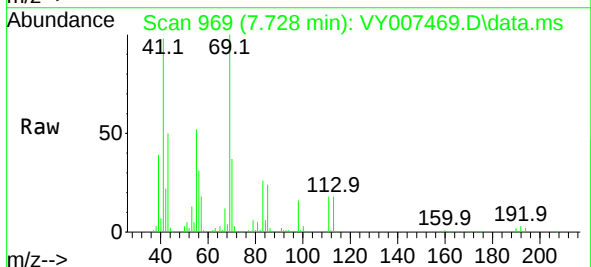
Manual Integrations
APPROVED

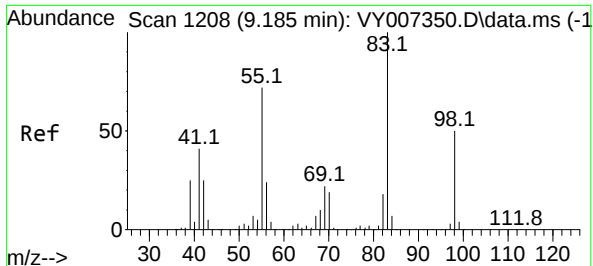
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#35
Dibromofluoromethane
Concen: 51.843 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

Tgt Ion:113 Resp: 39399
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 17.9 17.6 26.4





#39

Methylcyclohexane

Concen: 5157.285 ug/l

RT: 9.203 min Scan# 1

Delta R.T. 0.018 min

Lab File: VY007469.D

Acq: 10 Feb 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

A5-1-8.5

Tgt Ion: 83 Resp: 860494

Ion Ratio Lower Upper

83 100

55 89.1 66.5 99.7

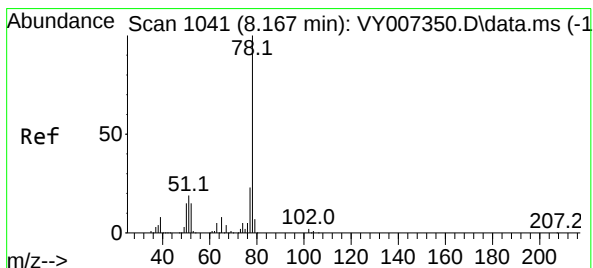
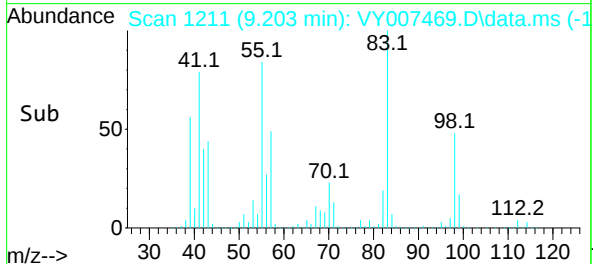
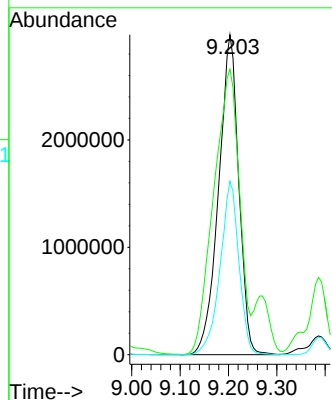
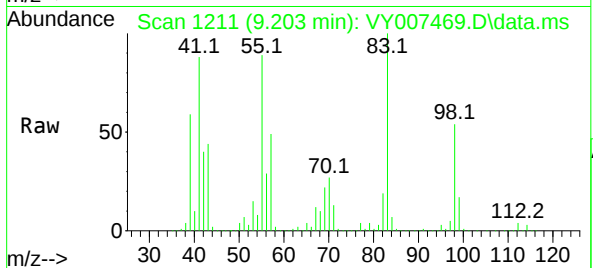
98 54.2 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2022

Supervised By :Mahesh Dadoda 02/11/2022



#40

Benzene

Concen: 2004.362 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VY007469.D

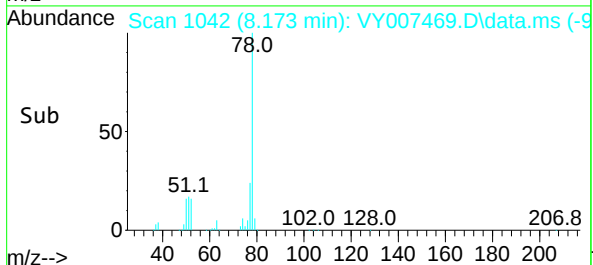
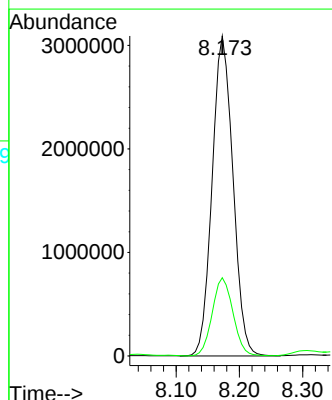
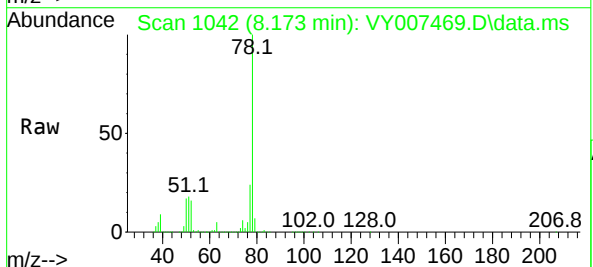
Acq: 10 Feb 2022 14:14

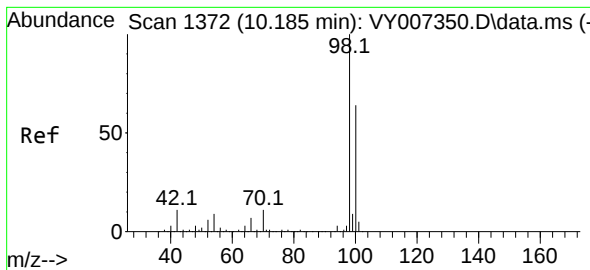
Tgt Ion: 78 Resp: 7058695

Ion Ratio Lower Upper

78 100

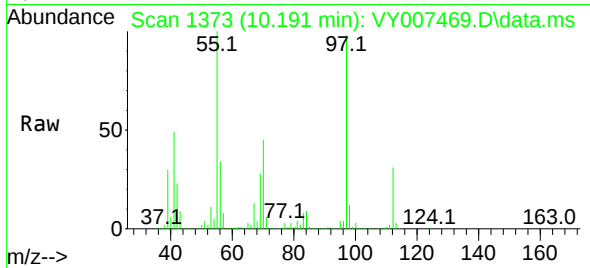
77 24.4 20.4 30.6





#50
Toluene-d8
Concen: 228.707 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

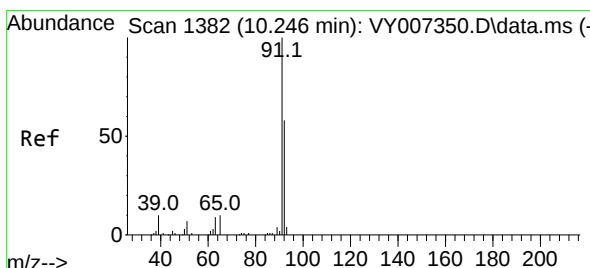
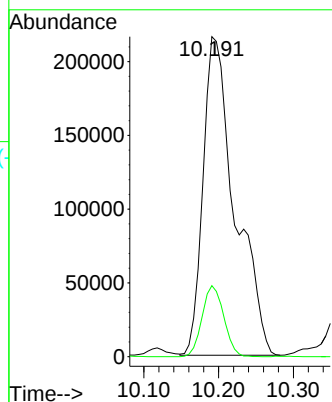
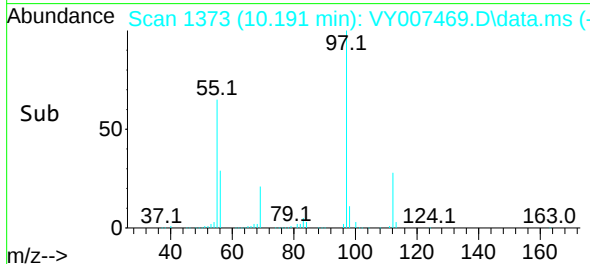
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



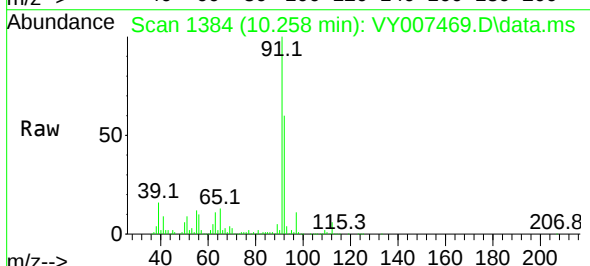
Tgt Ion: 98 Resp: 642138
Ion Ratio Lower Upper
98 100
100 15.1 50.2 75.2

Manual Integrations
APPROVED

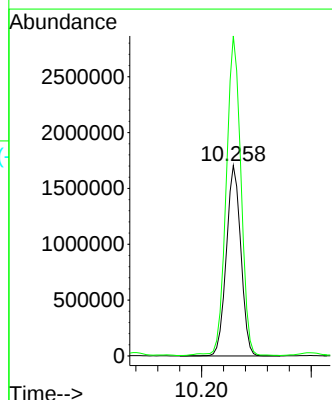
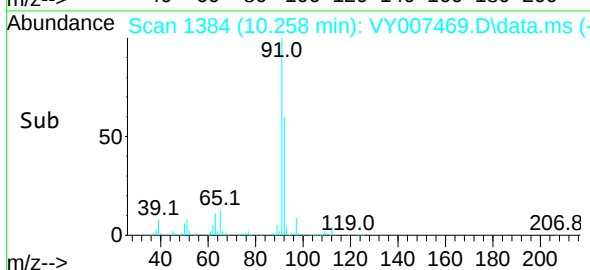
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

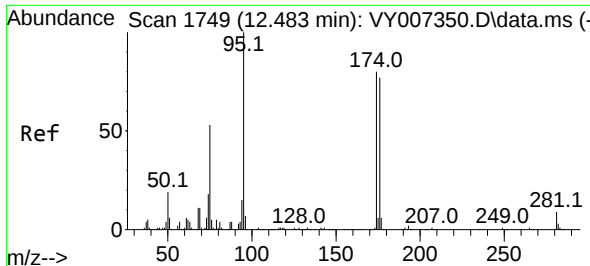


#52
Toluene
Concen: 1410.393 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14



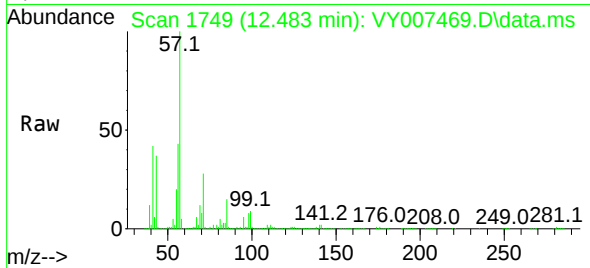
Tgt Ion: 92 Resp: 3129480
Ion Ratio Lower Upper
92 100
91 170.3 142.6 213.8





#62
4-Bromofluorobenzene
Concen: 217.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

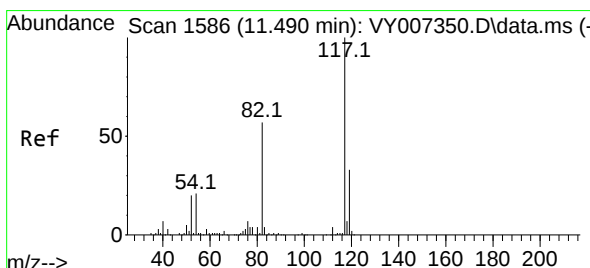
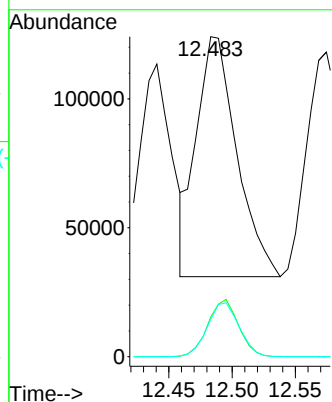
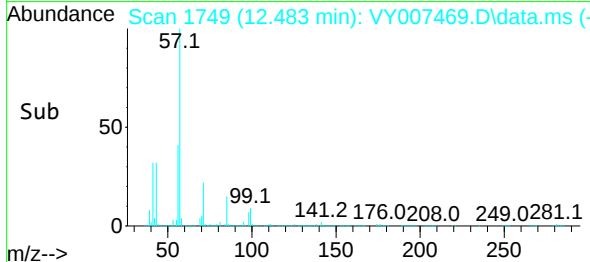
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



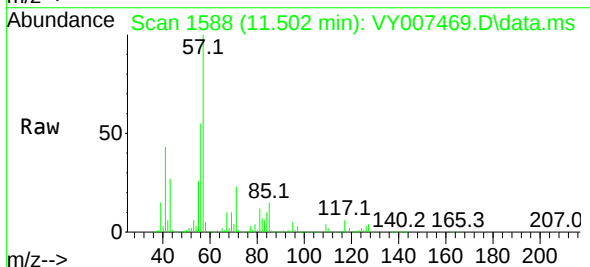
Tgt Ion: 95 Resp: 20778
Ion Ratio Lower Upper
95 100
174 18.0 0.0 177.0
176 17.7 0.0 175.8

Manual Integrations
APPROVED

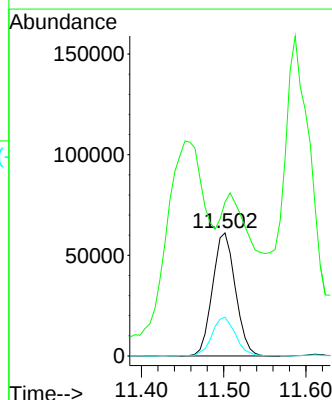
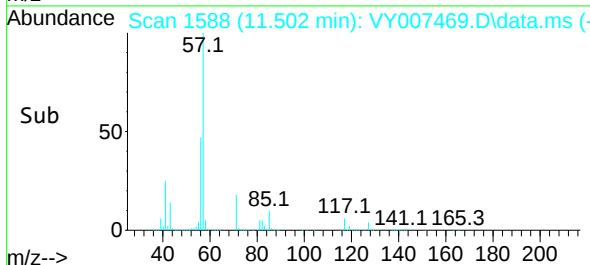
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

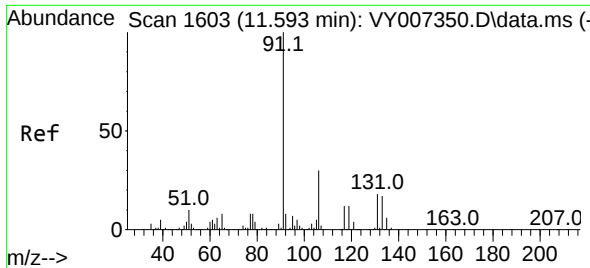


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14



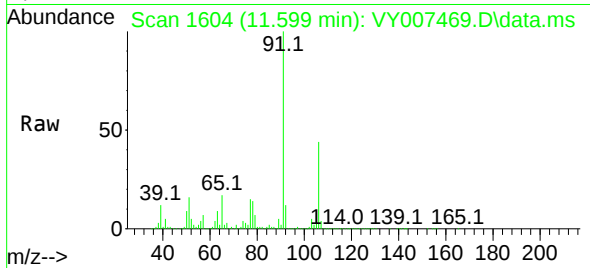
Tgt Ion:117 Resp: 118299
Ion Ratio Lower Upper
117 100
82 14.7 43.0 64.4#
119 31.2 25.4 38.0





#67
Ethyl Benzene
Concen: 5062.195 ug/l m
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

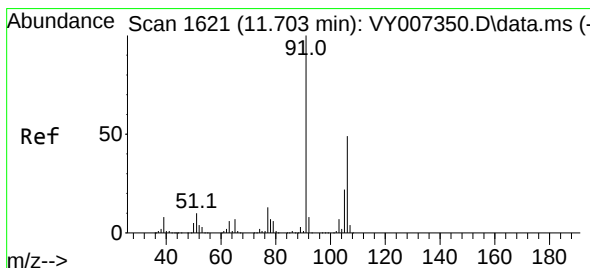
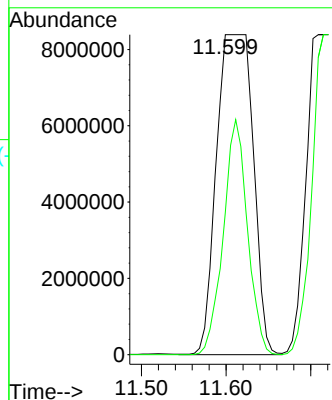
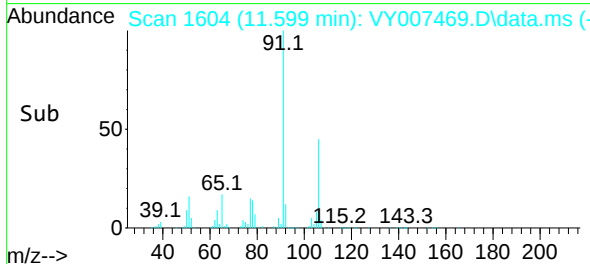
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



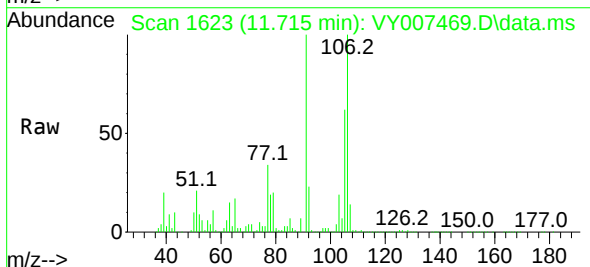
Tgt Ion: 91 Resp:25279779
Ion Ratio Lower Upper
91 100
106 44.5 24.5 36.7

Manual Integrations
APPROVED

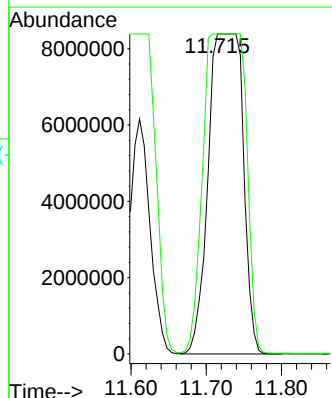
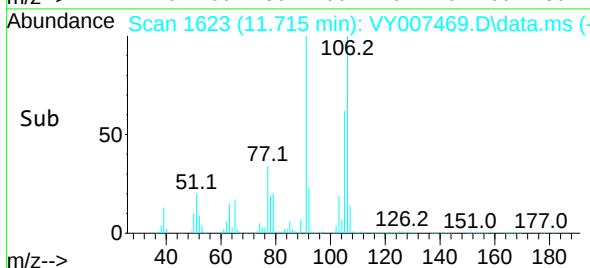
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

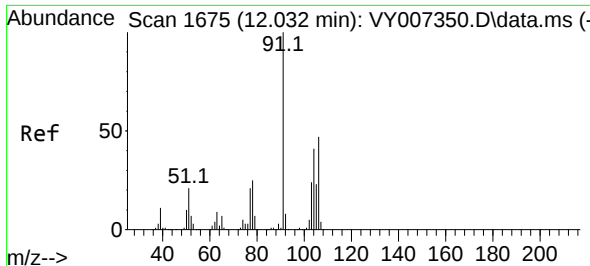


#68
m/p-Xylenes
Concen: 14524.463 ug/l m
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14



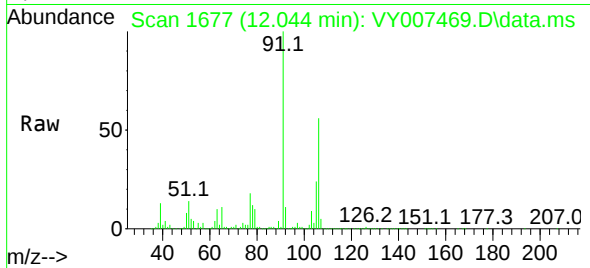
Tgt Ion:106 Resp:26864236
Ion Ratio Lower Upper
106 100
91 0.0 166.6 249.8#





#69
o-Xylene
Concen: 4565.533 ug/l
RT: 12.044 min Scan# 106
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

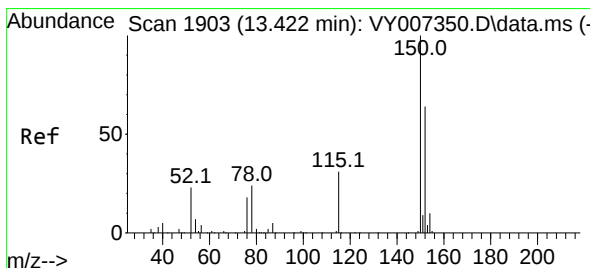
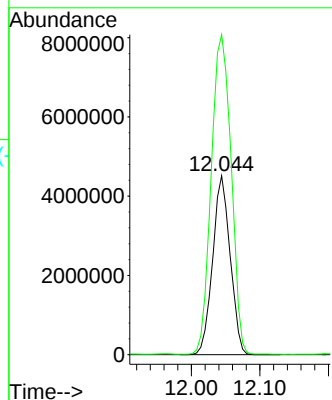
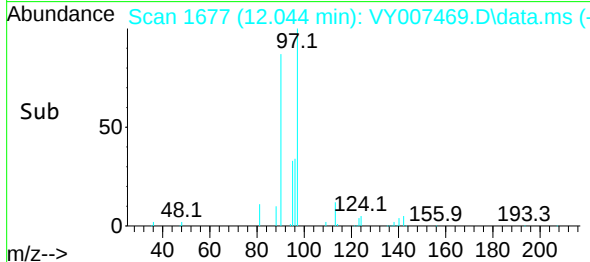
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



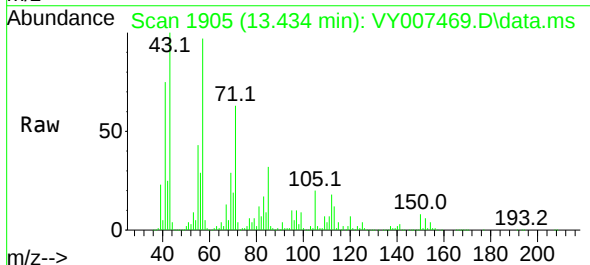
Tgt Ion:106 Resp: 7983828
Ion Ratio Lower Upper
106 100
91 203.3 110.3 331.0

Manual Integrations
APPROVED

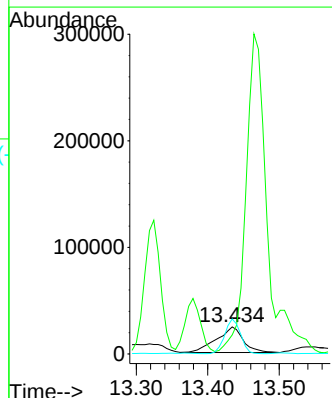
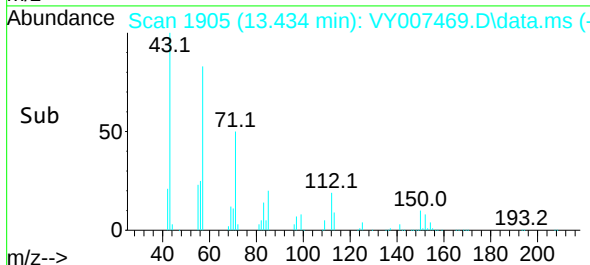
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

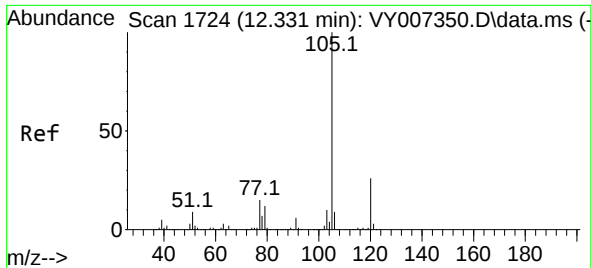


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14



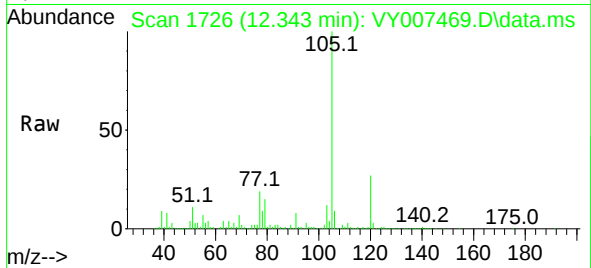
Tgt Ion:152 Resp: 61575
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 80.5 0.0 347.6





#73
Isopropylbenzene
Concen: 1195.893 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

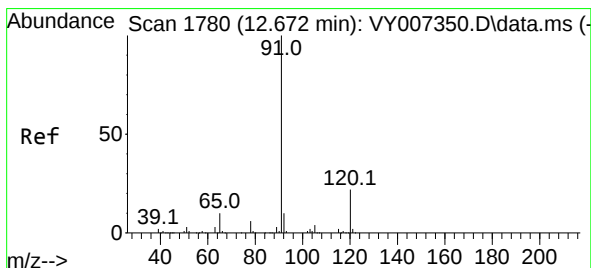
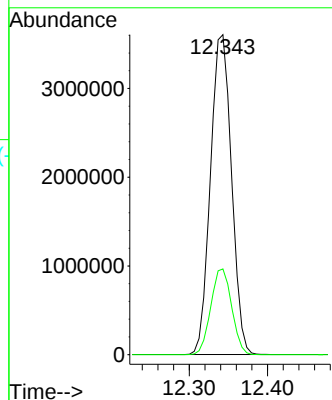
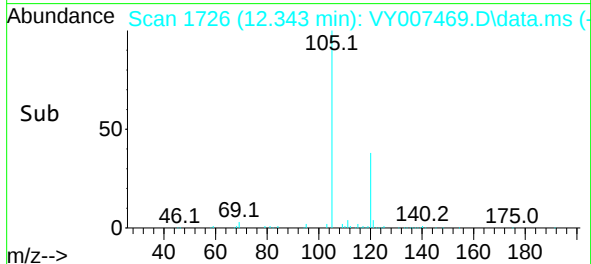
Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5



Tgt Ion:105 Resp: 672985
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

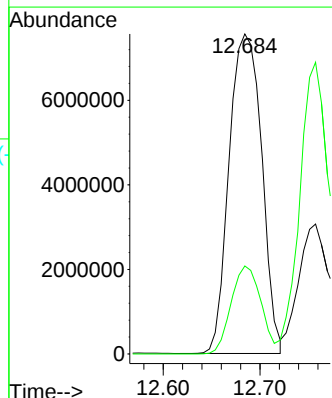
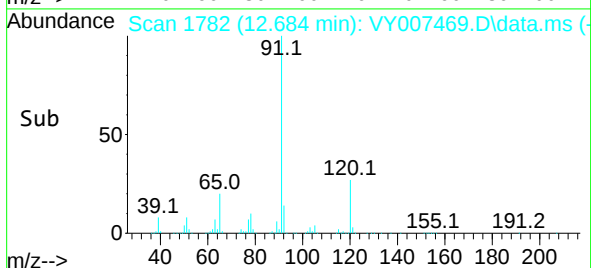
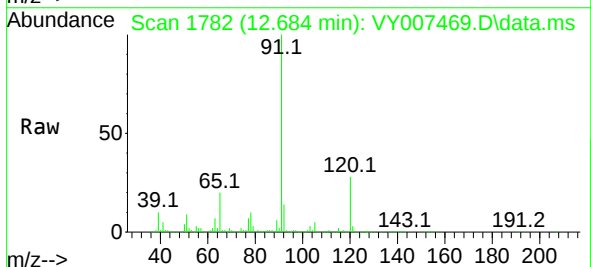
Manual Integrations
APPROVED

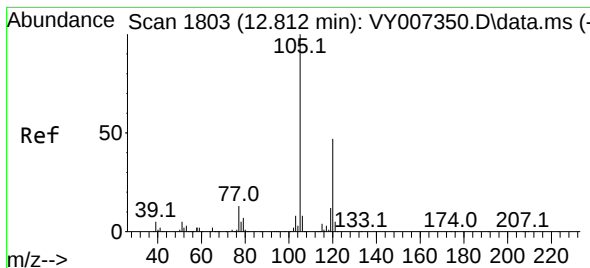
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#78
n-propylbenzene
Concen: 2600.267 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.012 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

Tgt Ion: 91 Resp:17723940
Ion Ratio Lower Upper
91 100
120 25.0 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 3058.709 ug/l

RT: 12.831 min Scan# 1806

Delta R.T. 0.018 min

Lab File: VY007469.D

Acq: 10 Feb 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

A5-1-8.5

Tgt Ion:105 Resp:1404188

Ion Ratio Lower Upper

105 100

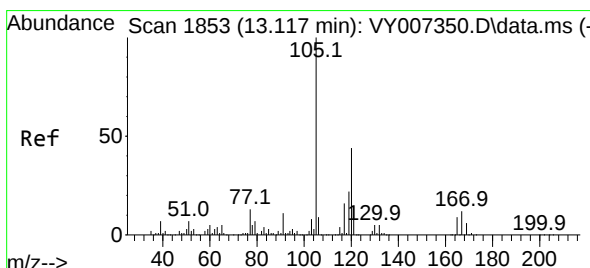
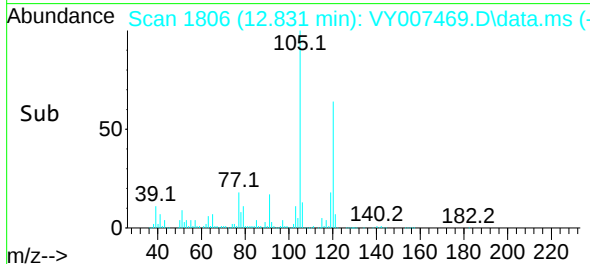
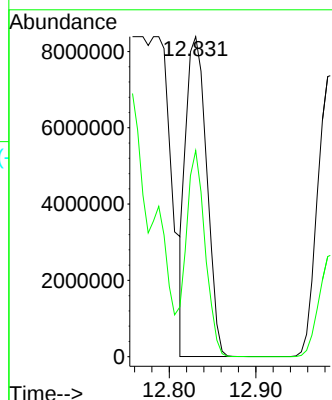
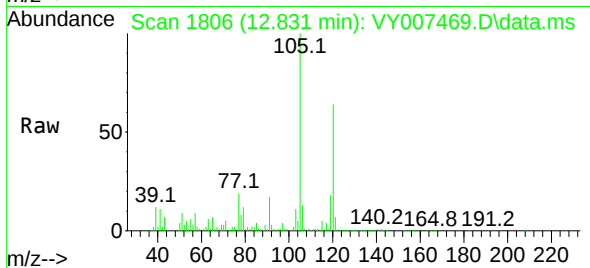
120 59.7 24.4 73.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2022

Supervised By :Mahesh Dadoda 02/11/2022



#84

1,2,4-Trimethylbenzene

Concen: 5555.969 ug/l m

RT: 13.129 min Scan# 1855

Delta R.T. 0.012 min

Lab File: VY007469.D

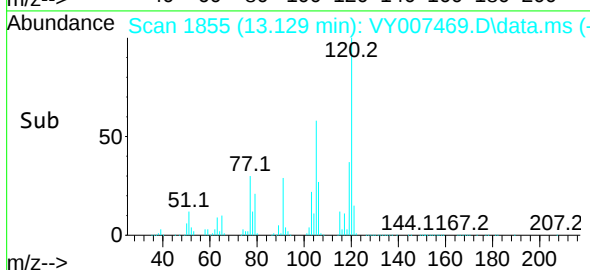
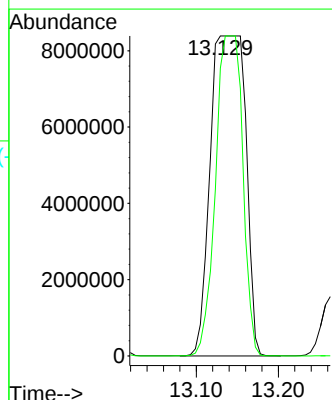
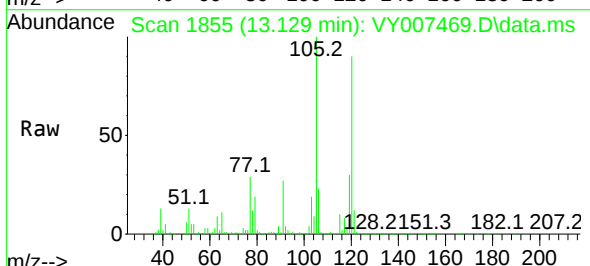
Acq: 10 Feb 2022 14:14

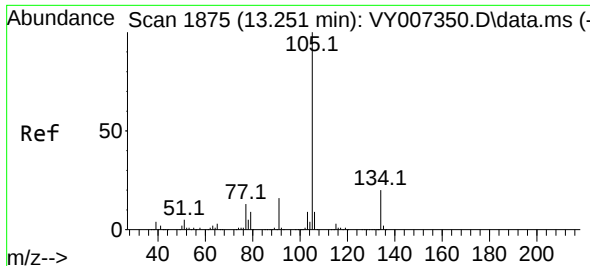
Tgt Ion:105 Resp:25113451

Ion Ratio Lower Upper

105 100

120 19.9 22.3 66.9#





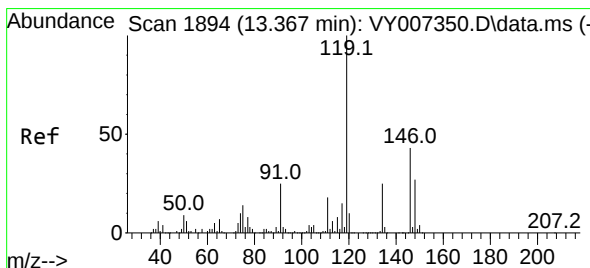
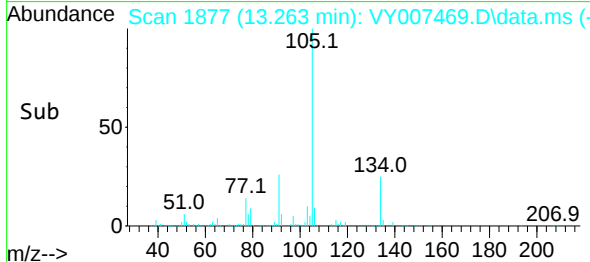
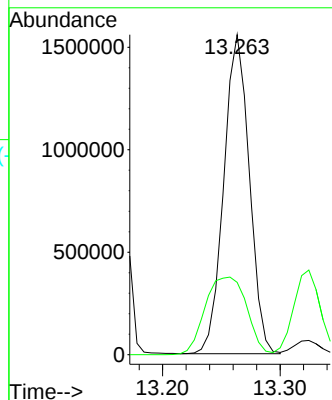
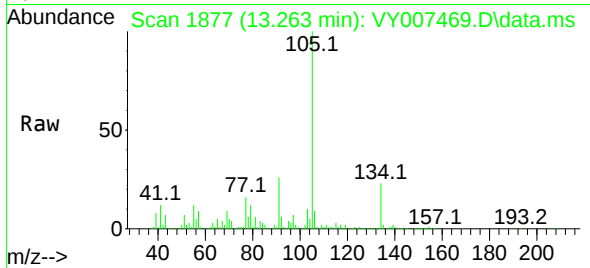
#85
 sec-Butylbenzene
 Concen: 391.975 ug/l
 RT: 13.263 min Scan# 1877
 Delta R.T. 0.012 min
 Lab File: VY007469.D
 Acq: 10 Feb 2022 14:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 A5-1-8.5

Tgt Ion:105 Resp: 2349680
 Ion Ratio Lower Upper
 105 100
 134 39.6 10.2 30.4

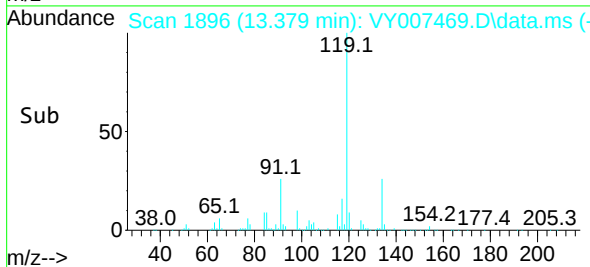
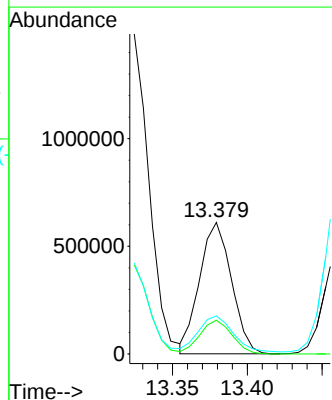
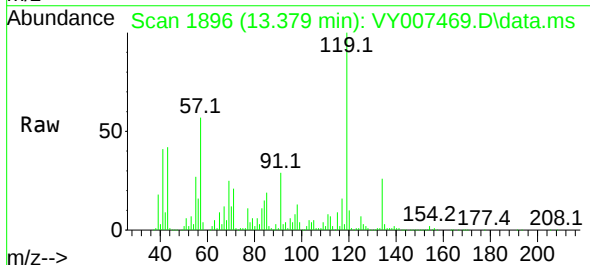
Manual Integrations
 APPROVED

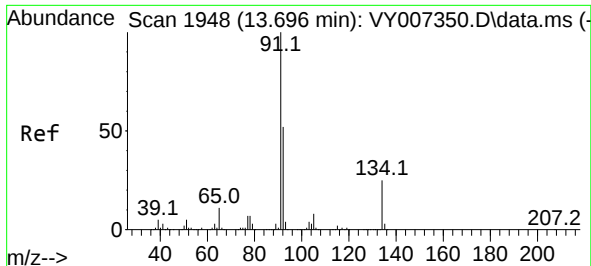
Reviewed By :John Carlone 02/11/2022
 Supervised By :Mahesh Dadoda 02/11/2022



#86
 p-Isopropyltoluene
 Concen: 185.831 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.012 min
 Lab File: VY007469.D
 Acq: 10 Feb 2022 14:14

Tgt Ion:119 Resp: 907449
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.5
 91 28.9 12.4 37.2





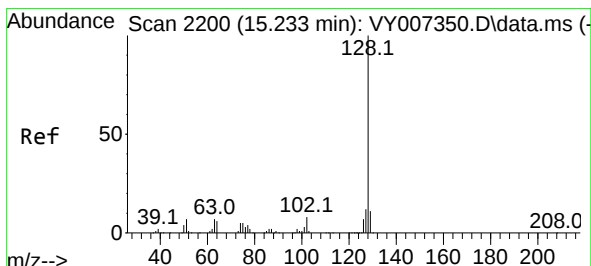
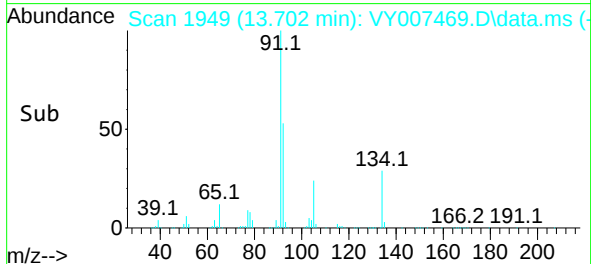
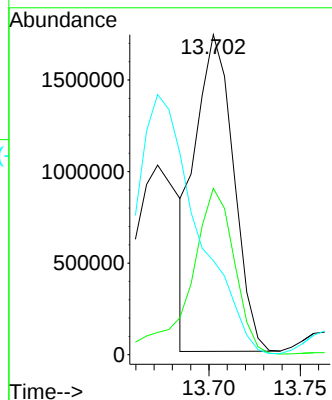
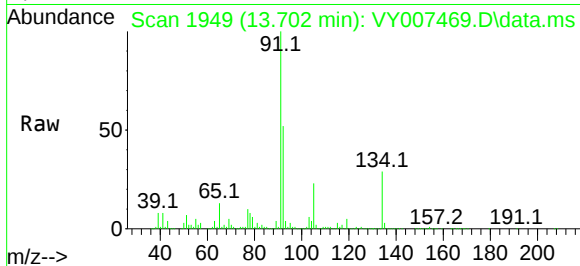
#89
n-Butylbenzene
Concen: 536.629 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A5-1-8.5

Tgt Ion: 91 Resp: 252215
Ion Ratio Lower Upper
91 100
92 58.6 26.3 78.9
134 0.0 13.0 38.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#95
Naphthalene
Concen: 383.920 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007469.D
Acq: 10 Feb 2022 14:14

Tgt Ion:128 Resp: 955825
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.4
129 11.0 8.4 12.6

