

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011006.D
 Acq On : 19 Oct 2022 12:02
 Operator : KP/MD
 Sample : N5170-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1639

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 12:17:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	251028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	448671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	308489	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179459	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	130043	56.239	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 112.480%		
35) Dibromofluoromethane	7.716	113	136613	54.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 109.660%		
50) Toluene-d8	10.185	98	542005	57.855	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 115.720%		
62) 4-Bromofluorobenzene	12.477	95	284196	87.973	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 175.940%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	31869	110.301	ug/l #	93
16) Acetone	3.930	43	35889379m	53446.864	ug/l	
17) Carbon Disulfide	4.192	76	10238	1.467	ug/l	98
18) Methyl Acetate	4.479	43	33030	15.543	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	100140	15.051	ug/l #	5
20) Methylene Chloride	4.716	84	33746	5.968	ug/l #	82
25) 2-Butanone	6.984	43	98625	96.849	ug/l	100
39) Methylcyclohexane	9.185	83	3314187	662.491	ug/l	92
40) Benzene	8.161	78	280226	22.866	ug/l	96
52) Toluene	10.240	92	28018422m	3680.154	ug/l	
67) Ethyl Benzene	11.593	91	5079032	453.298	ug/l	96
68) m/p-Xylenes	11.703	106	6579717	1526.536	ug/l	87
69) o-Xylene	12.032	106	3380472	825.958	ug/l	92
73) Isopropylbenzene	12.331	105	1625037	124.638	ug/l	100
78) n-propylbenzene	12.672	91	5577552	351.605	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	4589040	421.844	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	15687987	1462.464	ug/l	82
85) sec-Butylbenzene	13.257	105	2715222	192.083	ug/l	86
86) p-Isopropyltoluene	13.373	119	1540216	131.342	ug/l	99
89) n-Butylbenzene	13.703	91	5169344	471.734	ug/l #	73
95) Naphthalene	15.239	128	994531	150.152	ug/l #	97

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

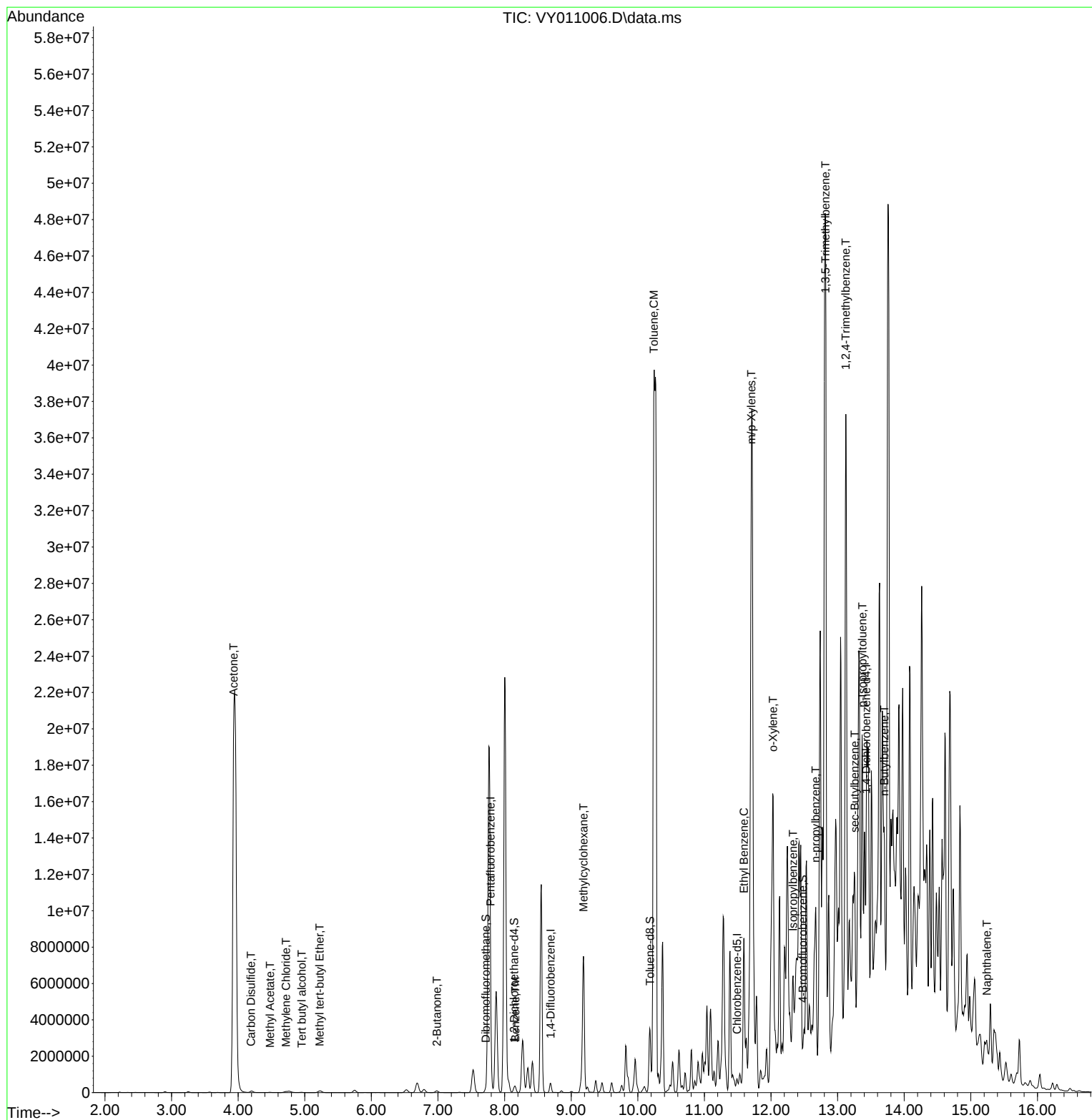
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011006.D
 Acq On : 19 Oct 2022 12:02
 Operator : KP/MD
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 Supervised By :Mahesh Dadoda 10/20/2022

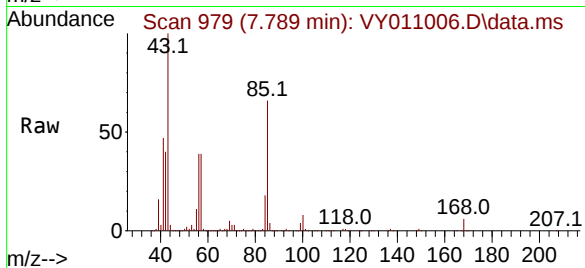
Quant Time: Oct 19 12:17:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

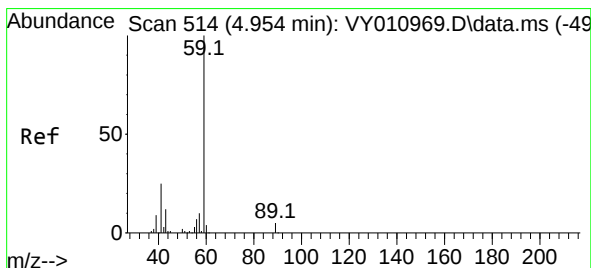
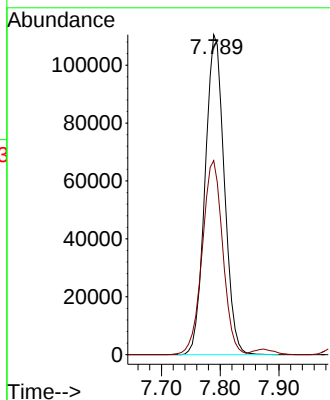
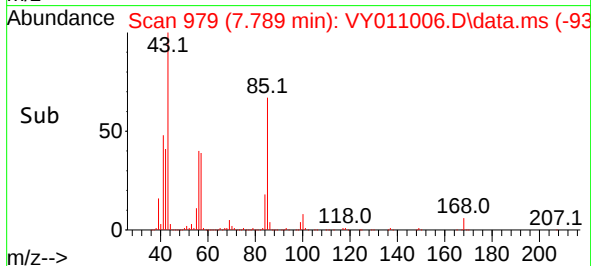
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion:168 Resp: 251028
Ion Ratio Lower Upper
168 100
99 60.3 46.9 70.3

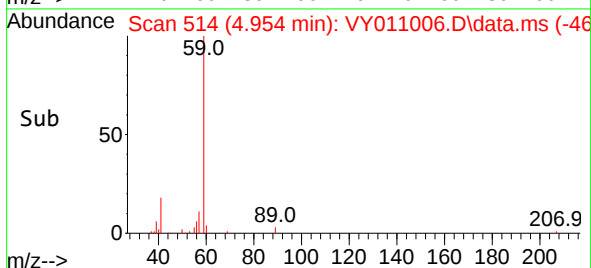
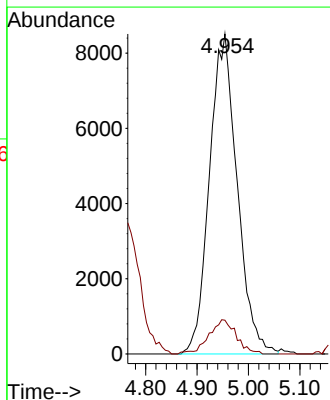
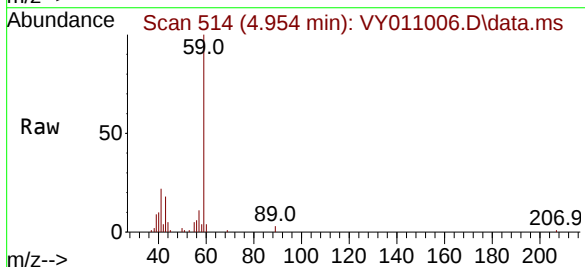
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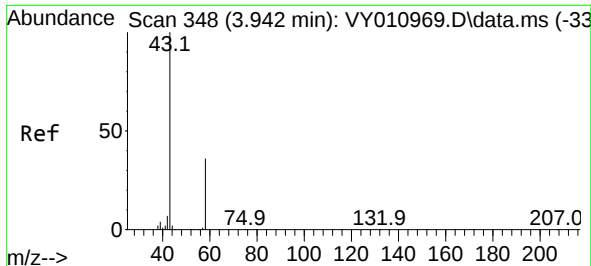
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#11
Tert butyl alcohol
Concen: 110.301 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

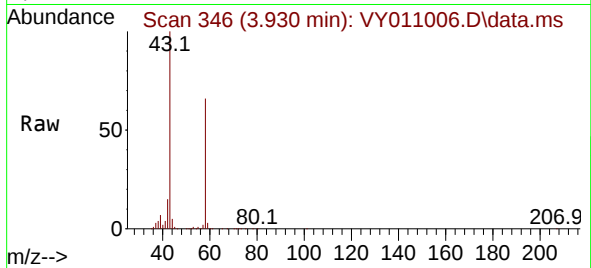
Tgt Ion: 59 Resp: 31869
Ion Ratio Lower Upper
59 100
57 10.6 6.4 9.6#





#16
Acetone
Concen: 53446.864 ug/l m
RT: 3.930 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

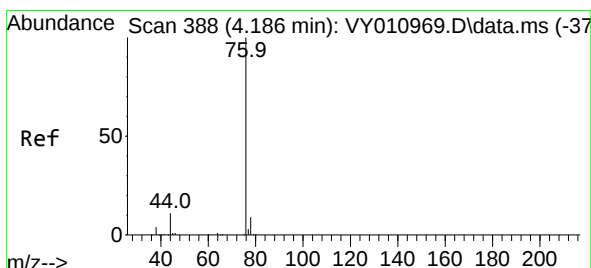
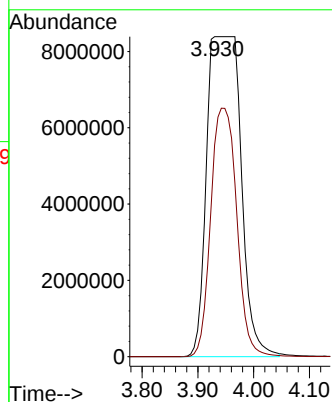
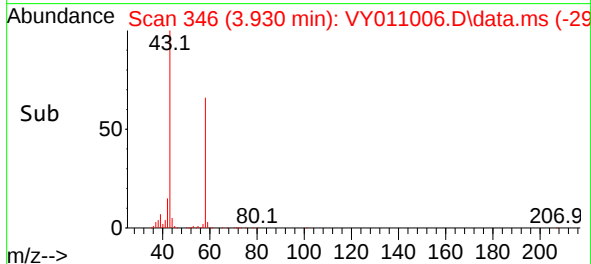
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion: 43 Resp: 35889379
Ion Ratio Lower Upper
43 100
58 66.1 22.0 33.0

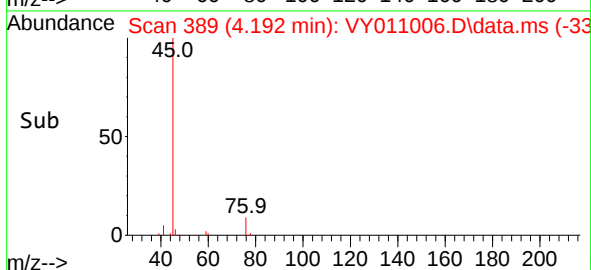
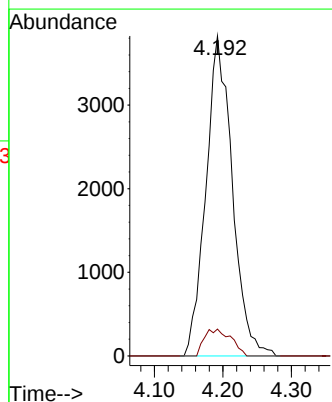
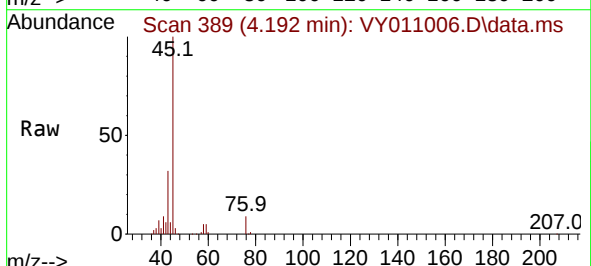
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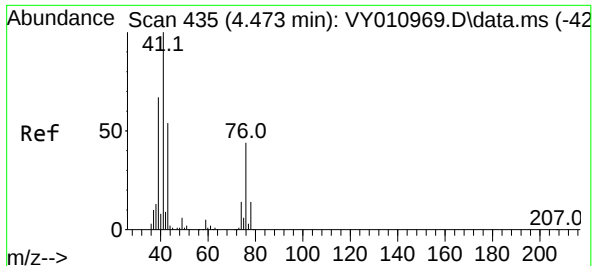
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#17
Carbon Disulfide
Concen: 1.467 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

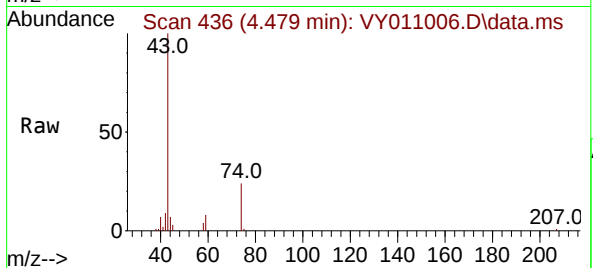
Tgt Ion: 76 Resp: 10238
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





#18
Methyl Acetate
Concen: 15.543 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

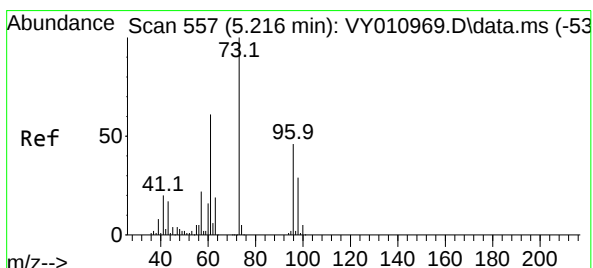
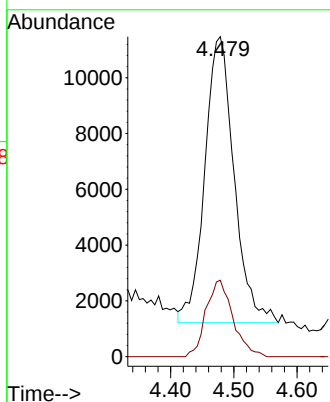
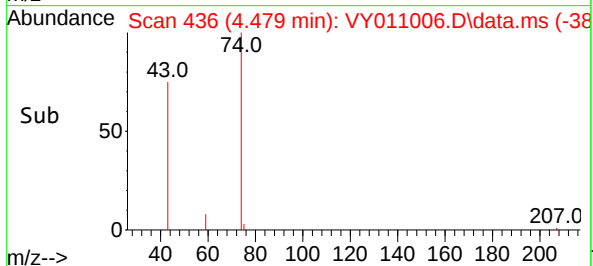
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion: 43 Resp: 33030
Ion Ratio Lower Upper
43 100
74 24.5 16.6 24.8

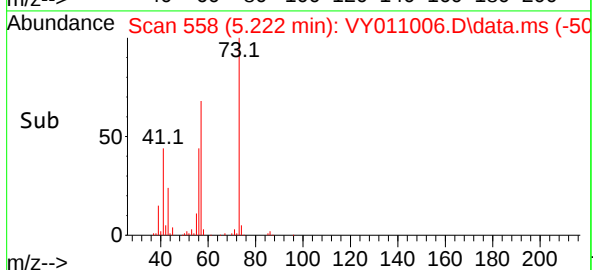
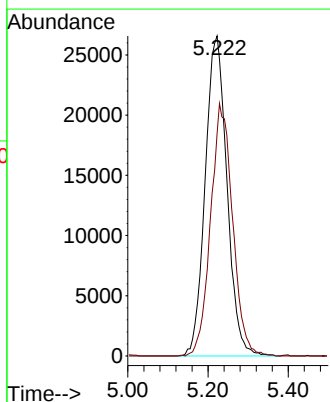
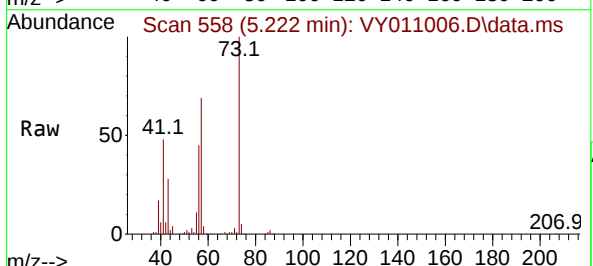
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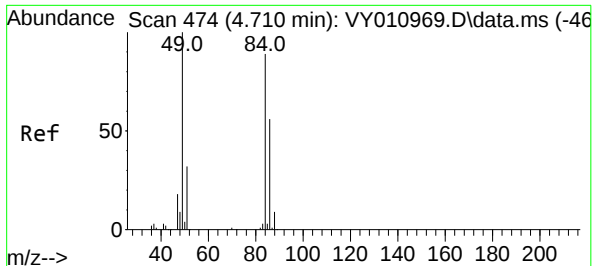
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#19
Methyl tert-butyl Ether
Concen: 15.051 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

Tgt Ion: 73 Resp: 100140
Ion Ratio Lower Upper
73 100
57 69.5 18.6 27.8#





#20

Methylene Chloride

Concen: 5.968 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY011006.D

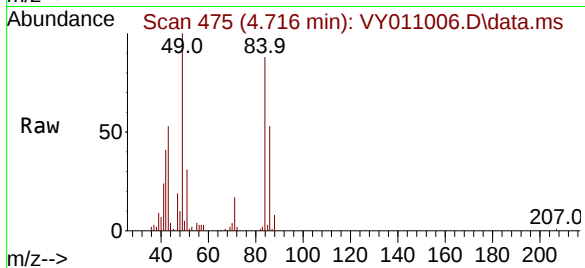
Acq: 19 Oct 2022 12:02

Instrument :

MSVOA_Y

ClientSampleId :

1639



Tgt Ion: 84 Resp: 3374

Ion Ratio Lower Upper

84 100

49 114.3 114.4 171.6

51 35.0 35.3 52.9

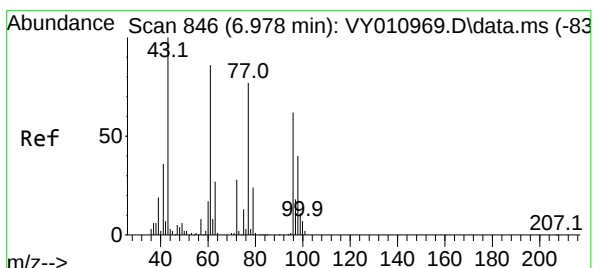
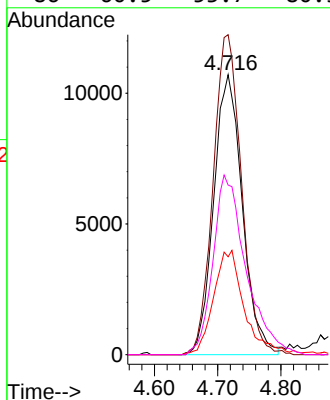
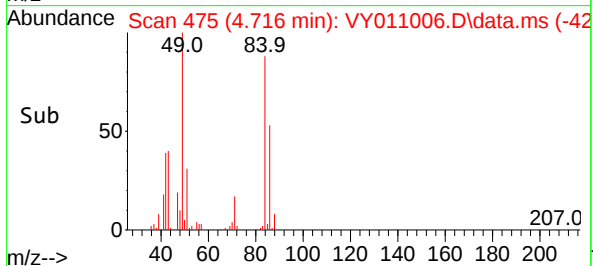
86 60.5 53.7 80.5

Manual Integrations

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Reviewed By :Krupa Patel 10/20/2022

Supervised By :Mahesh Dadoda 10/20/2022



#25

2-Butanone

Concen: 96.849 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY011006.D

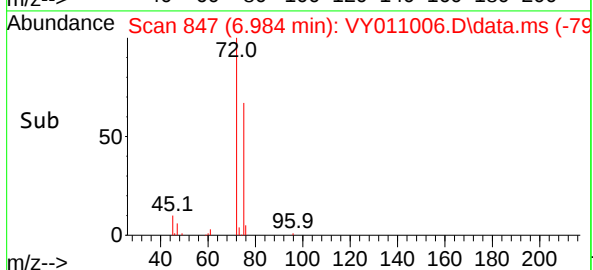
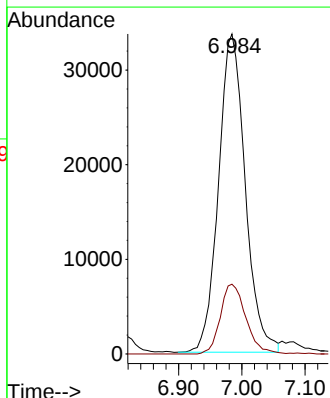
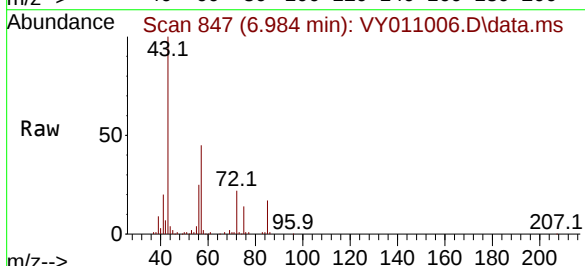
Acq: 19 Oct 2022 12:02

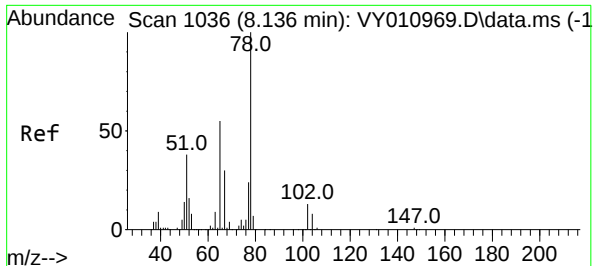
Tgt Ion: 43 Resp: 98625

Ion Ratio Lower Upper

43 100

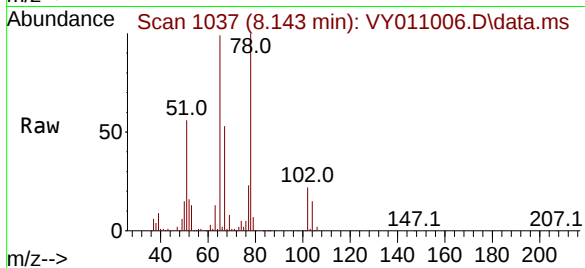
72 21.9 17.7 26.5





#33
1,2-Dichloroethane-d4
Concen: 56.239 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

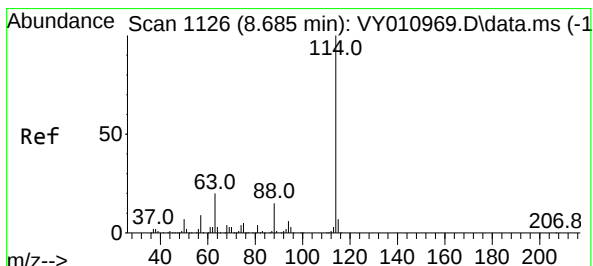
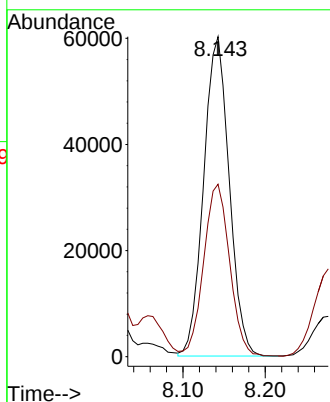
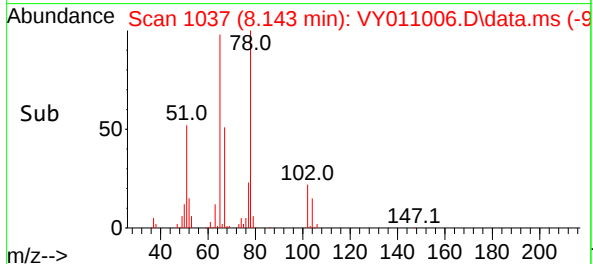
Instrument :
MSVOA_Y
ClientSampleId :
1639



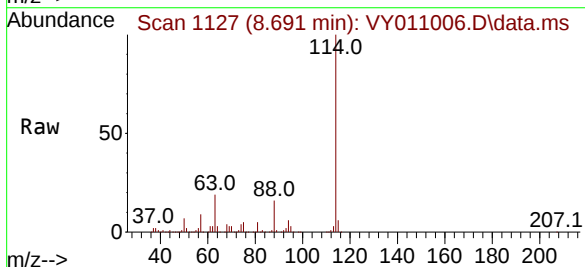
Tgt Ion: 65 Resp: 13004
Ion Ratio Lower Upper
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67 54.7 0.0 99.4

Manual Integrations
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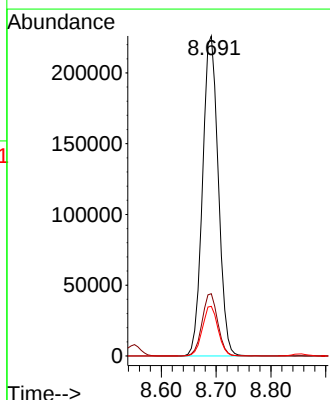
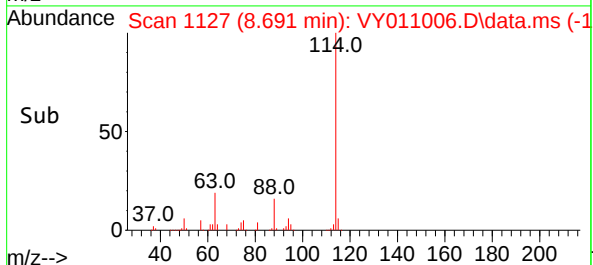
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

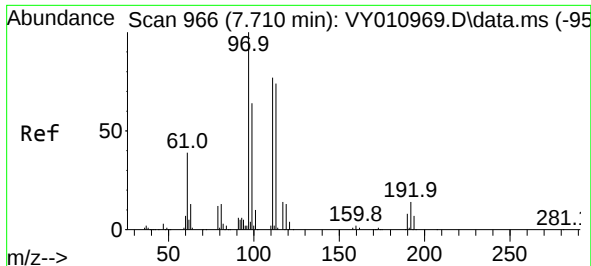


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02



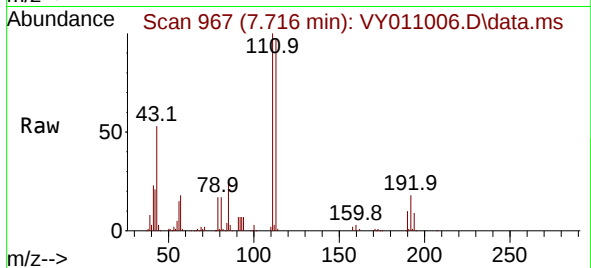
Tgt Ion:114 Resp: 448671
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.2
88 15.5 0.0 31.8





#35
Dibromofluoromethane
Concen: 54.831 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

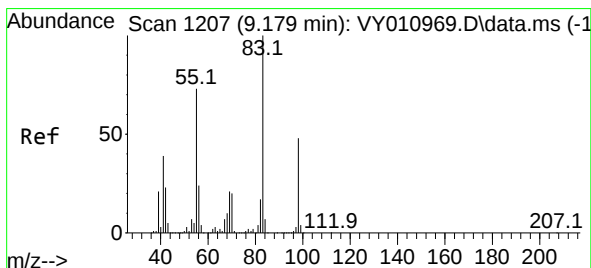
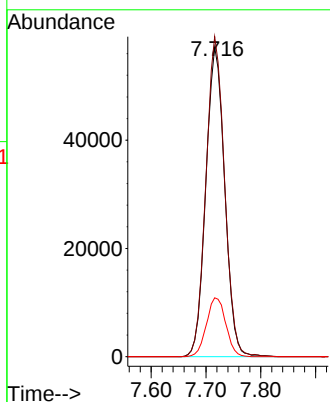
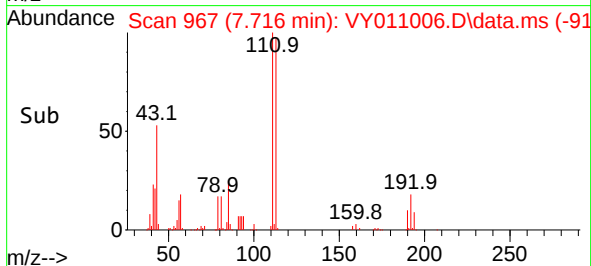
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1639



Tgt Ion:113 Resp: 13661
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 19.5 17.6 26.4

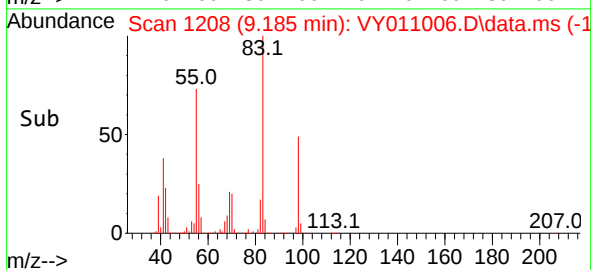
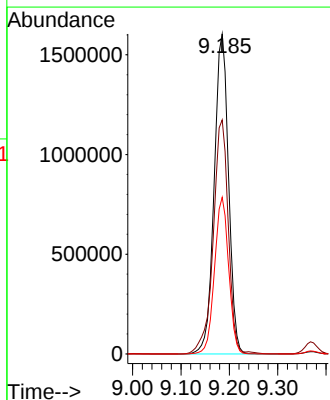
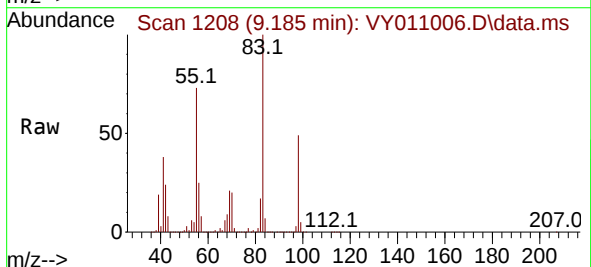
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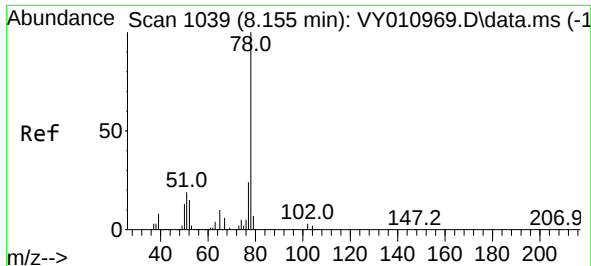
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#39
Methylcyclohexane
Concen: 662.491 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

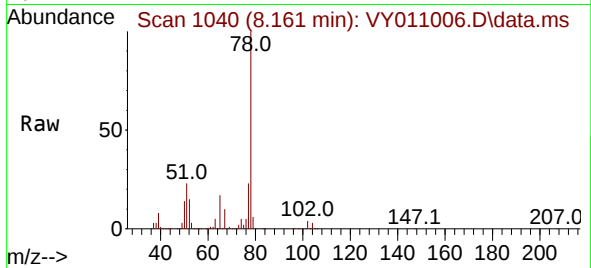
Tgt Ion: 83 Resp: 3314187
Ion Ratio Lower Upper
83 100
55 73.1 66.5 99.7
98 49.0 37.9 56.9





#40
Benzene
Concen: 22.866 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

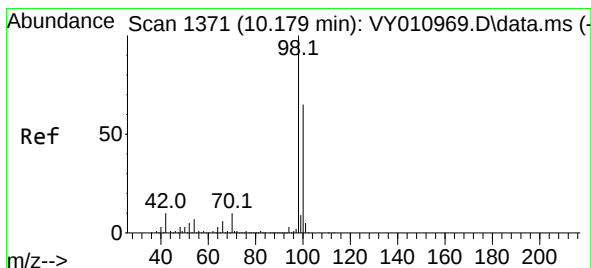
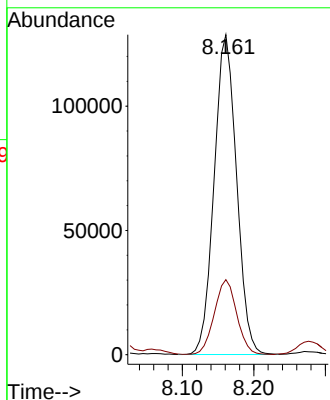
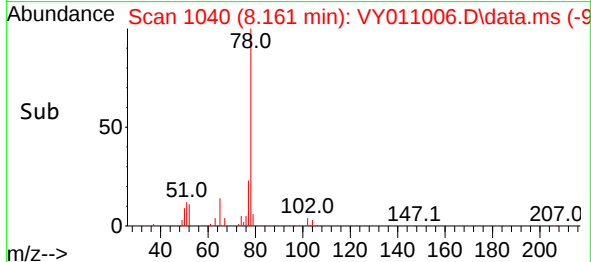
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion: 78 Resp: 280220
Ion Ratio Lower Upper
78 100
77 23.3 20.4 30.6

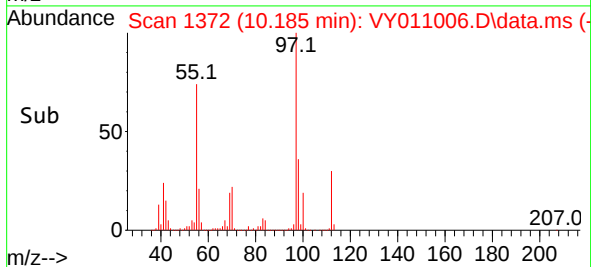
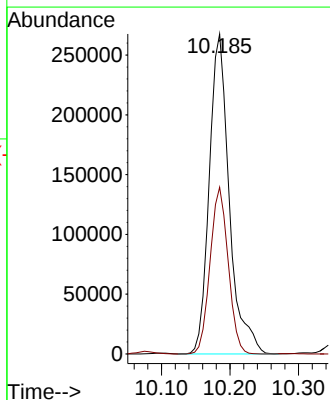
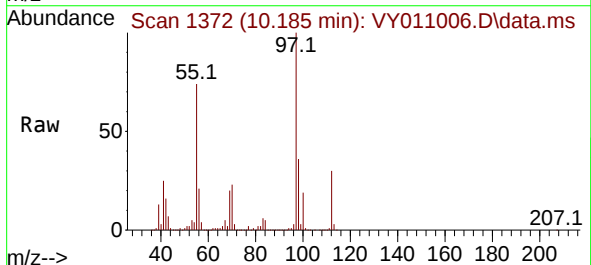
Manual Integrations
APPROVED

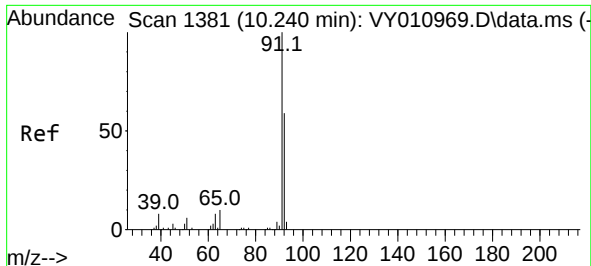
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#50
Toluene-d8
Concen: 57.855 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

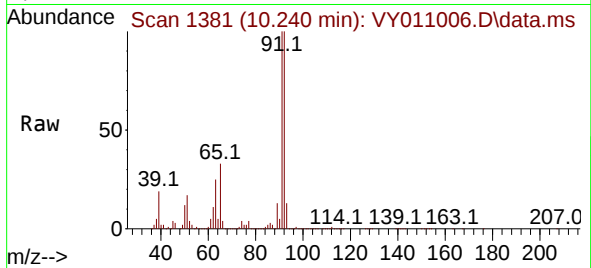
Tgt Ion: 98 Resp: 542005
Ion Ratio Lower Upper
98 100
100 47.0 50.2 75.2#





#52
Toluene
Concen: 3680.154 ug/l m
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

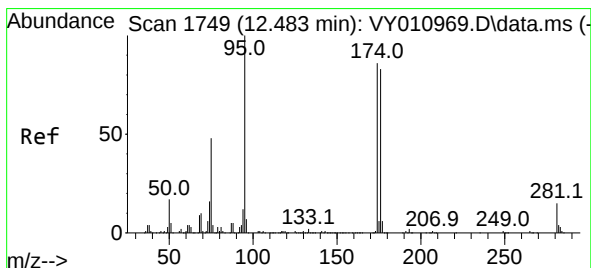
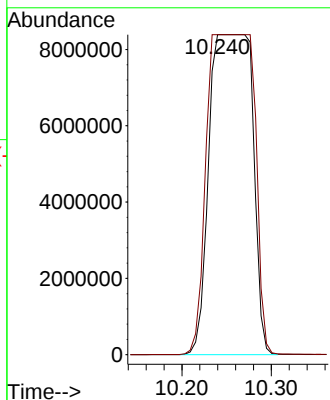
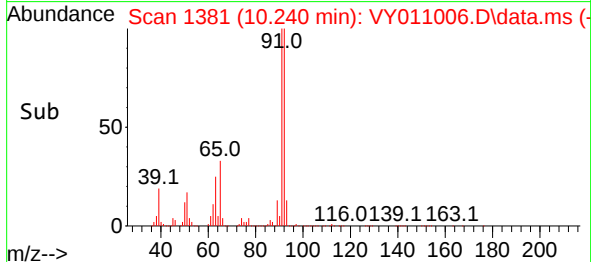
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion: 92 Resp: 2801842
Ion Ratio Lower Upper
92 100
91 0.0 142.6 213.8

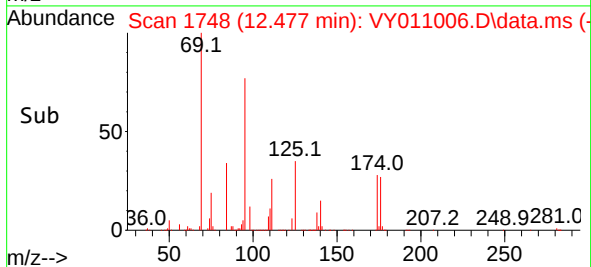
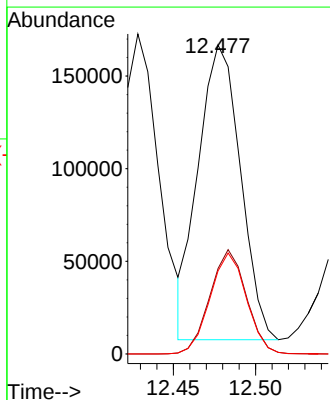
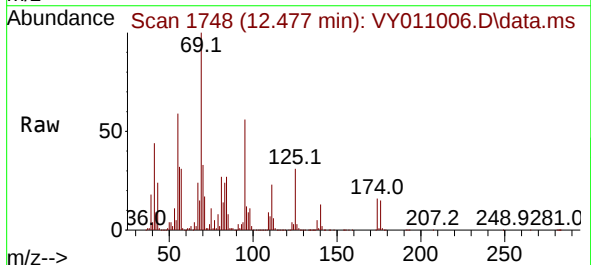
Manual Integrations
APPROVED

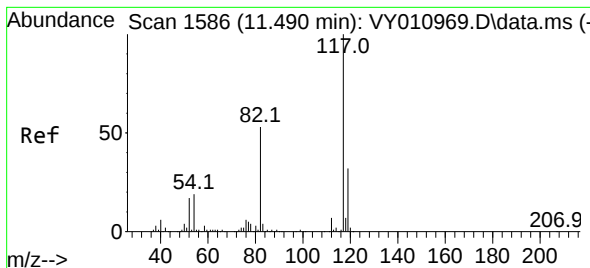
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#62
4-Bromofluorobenzene
Concen: 87.973 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

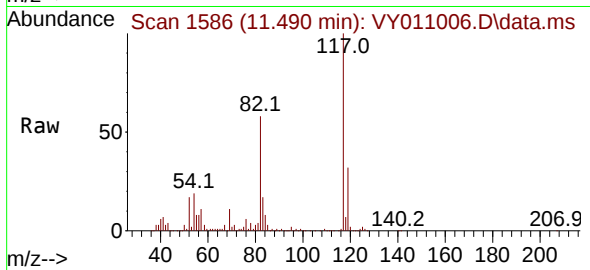
Tgt Ion: 95 Resp: 284196
Ion Ratio Lower Upper
95 100
174 30.6 0.0 177.0
176 29.5 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

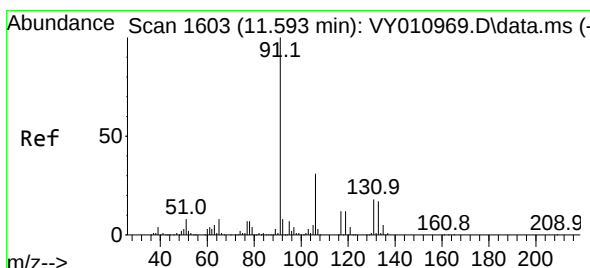
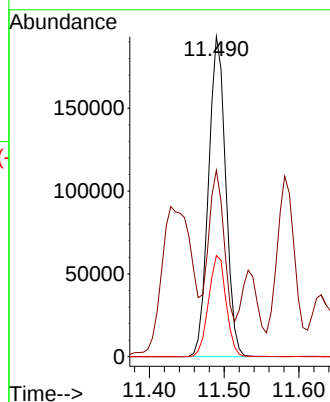
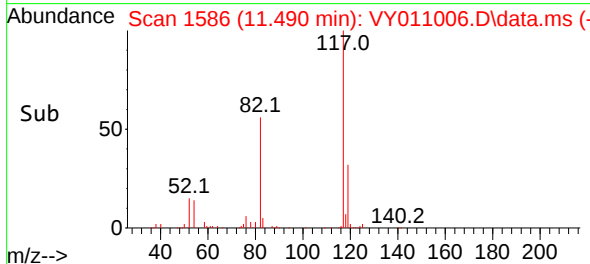
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion: 117 Resp: 308489
Ion Ratio Lower Upper
117 100
82 13.4 43.0 64.4
119 31.6 25.4 38.0

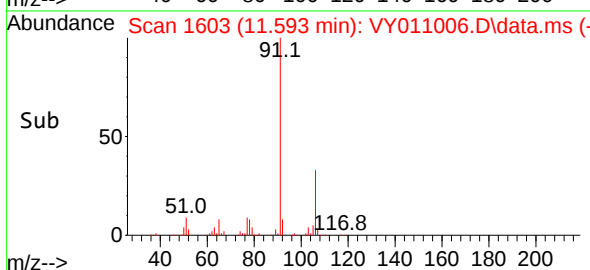
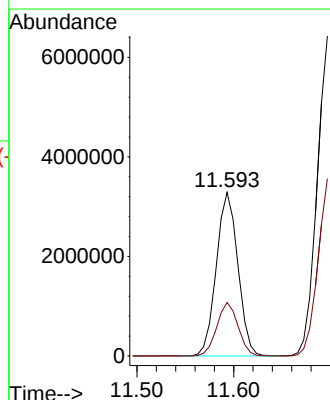
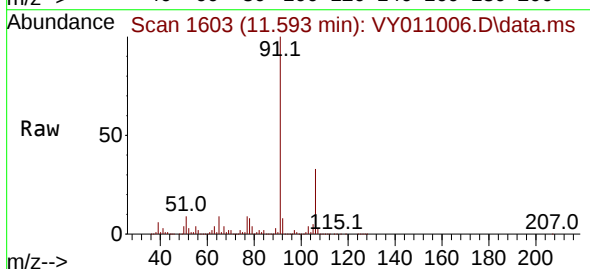
Manual Integrations
APPROVED

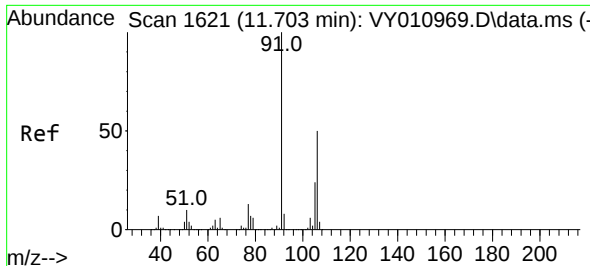
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#67
Ethyl Benzene
Concen: 453.298 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

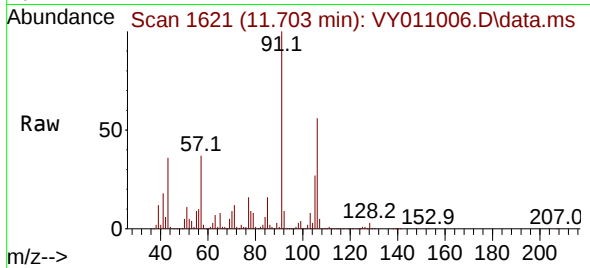
Tgt Ion: 91 Resp: 5079032
Ion Ratio Lower Upper
91 100
106 32.7 24.5 36.7





#68
m/p-Xylenes
Concen: 1526.536 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

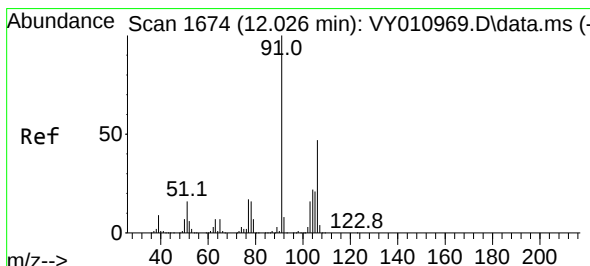
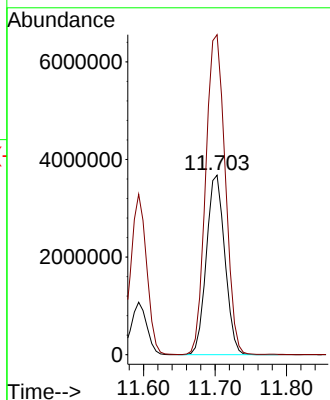
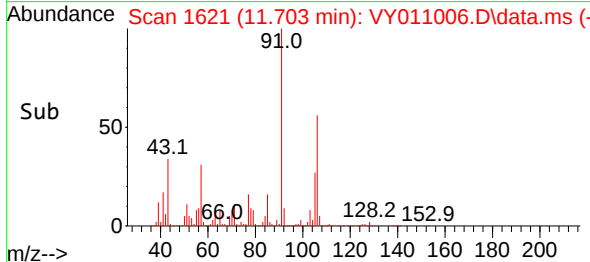
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion:106 Resp: 657971
Ion Ratio Lower Upper
106 100
91 188.5 166.6 249.8

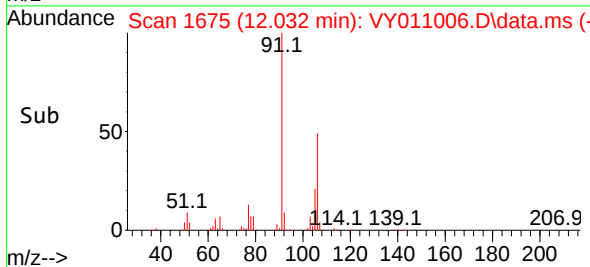
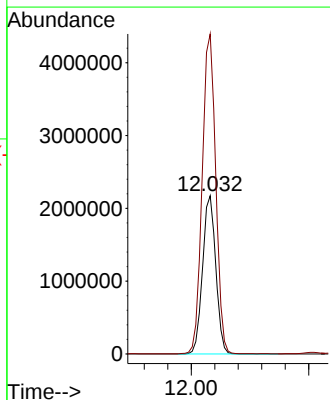
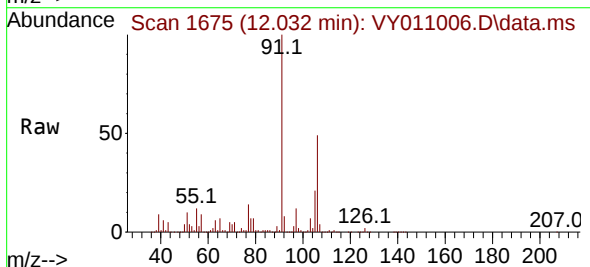
Manual Integrations
APPROVED

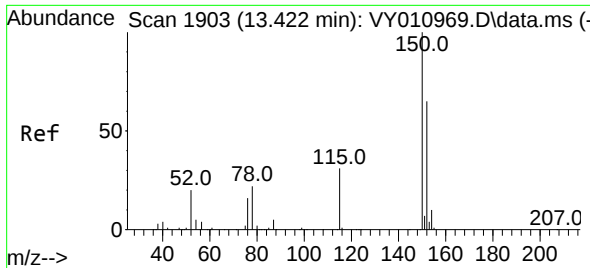
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#69
o-Xylene
Concen: 825.958 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

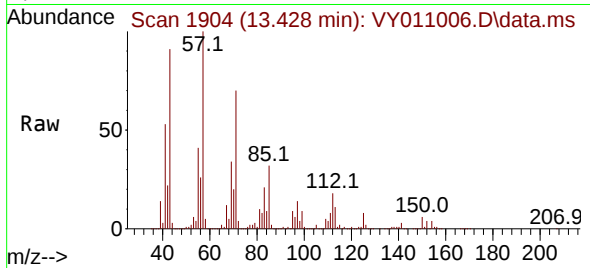
Tgt Ion:106 Resp: 3380472
Ion Ratio Lower Upper
106 100
91 207.8 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

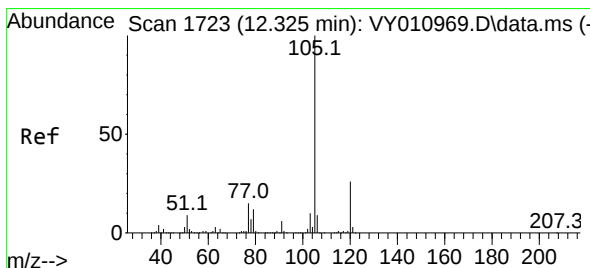
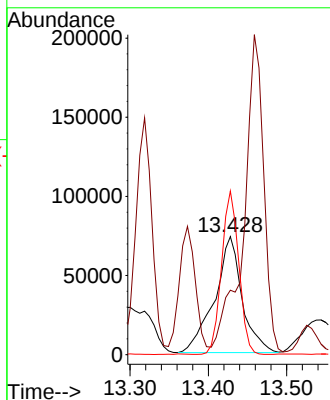
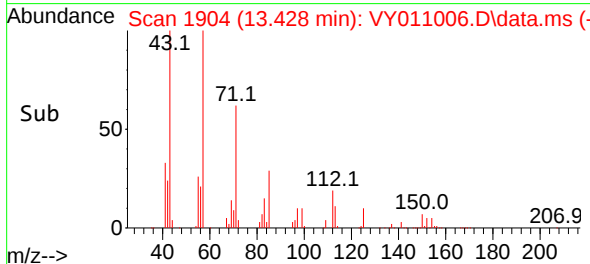
Instrument :
MSVOA_Y
ClientSampleId :
1639



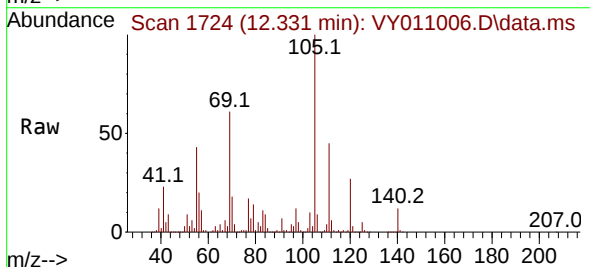
Tgt Ion:152 Resp: 179459
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 87.9 0.0 347.6

Manual Integrations
APPROVED

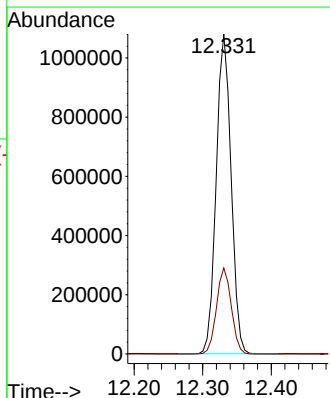
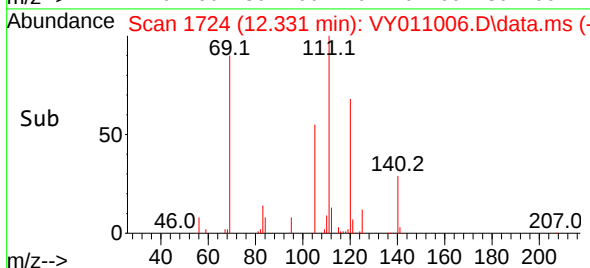
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

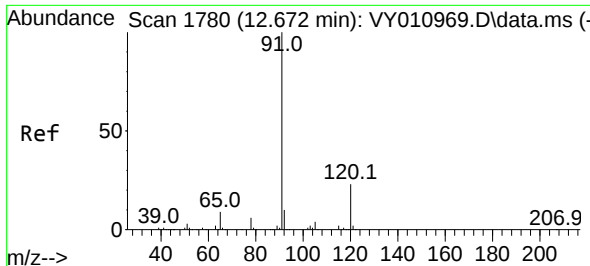


#73
Isopropylbenzene
Concen: 124.638 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02



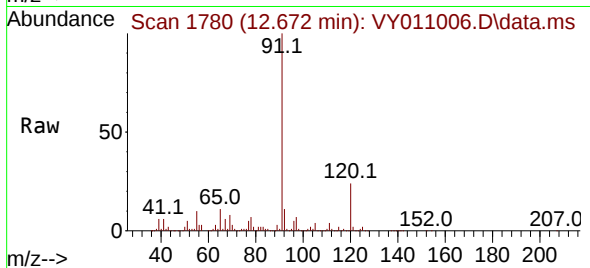
Tgt Ion:105 Resp: 1625037
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2





#78
n-propylbenzene
Concen: 351.605 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

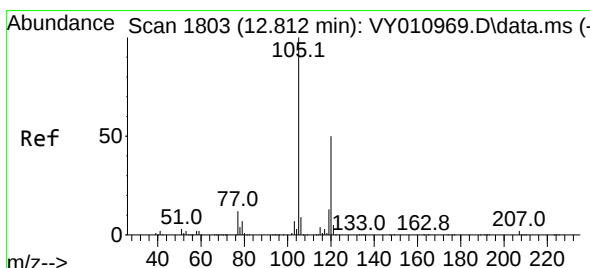
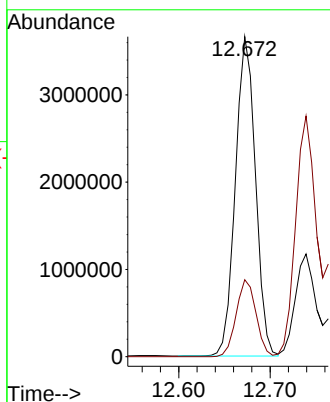
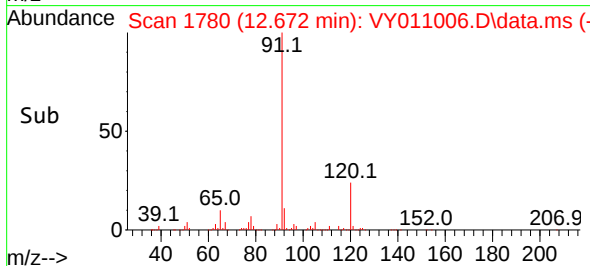
Instrument :
MSVOA_Y
ClientSampleId :
1639



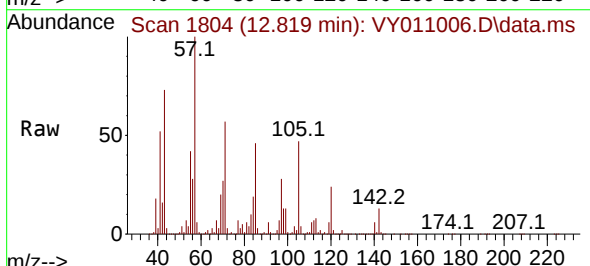
Tgt Ion: 91 Resp: 557755
Ion Ratio Lower Upper
91 100
120 23.8 11.3 33.9

Manual Integrations
APPROVED

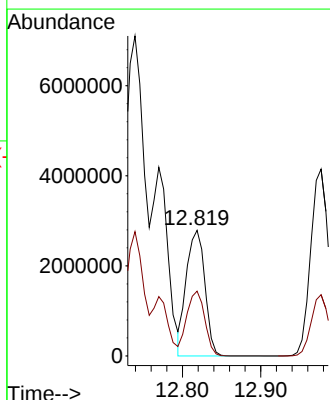
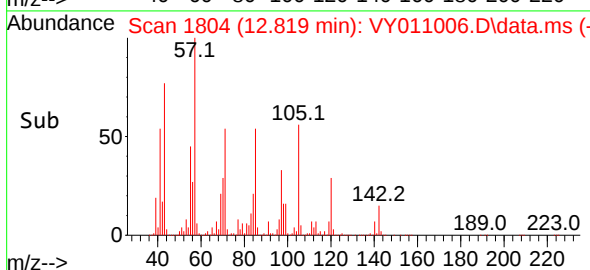
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

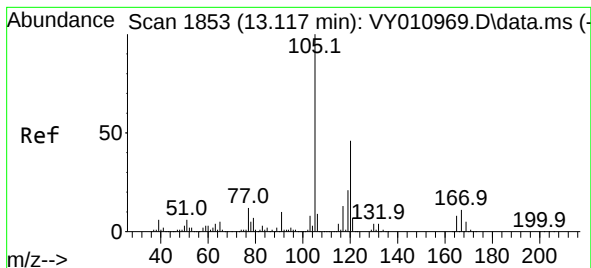


#80
1,3,5-Trimethylbenzene
Concen: 421.844 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02



Tgt Ion:105 Resp: 4589040
Ion Ratio Lower Upper
105 100
120 50.1 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 1462.464 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY011006.D

Acq: 19 Oct 2022 12:02

Instrument :

MSVOA_Y

ClientSampleId :

1639

Tgt Ion:105 Resp:1568798

Ion Ratio Lower Upper

105 100

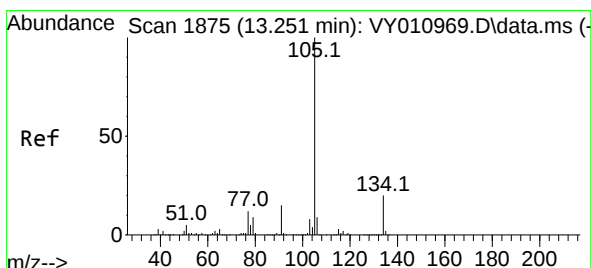
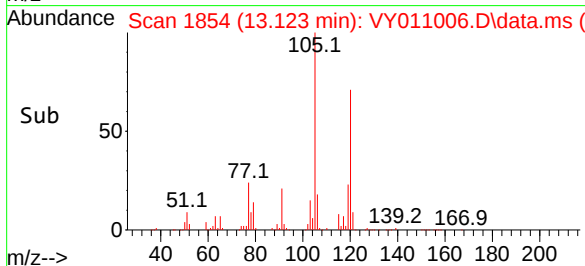
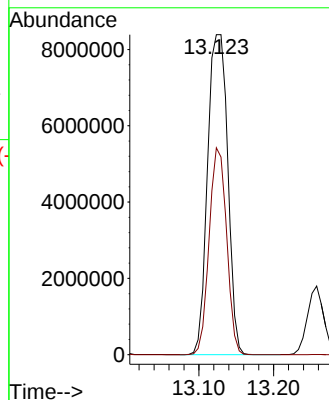
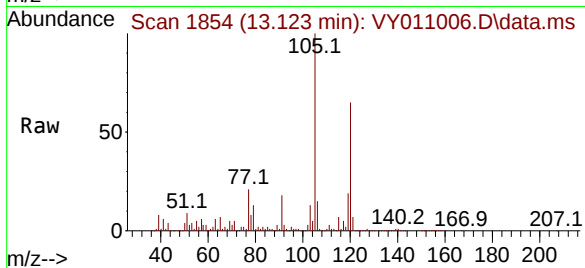
120 56.0 22.3 66.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/20/2022

Supervised By :Mahesh Dadoda 10/20/2022



#85

sec-Butylbenzene

Concen: 192.083 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY011006.D

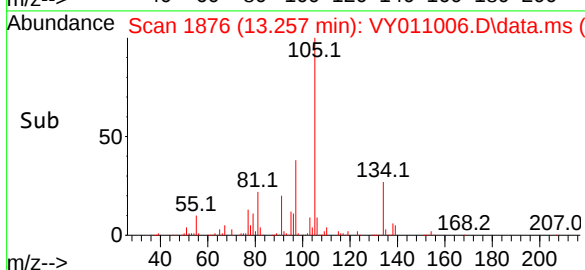
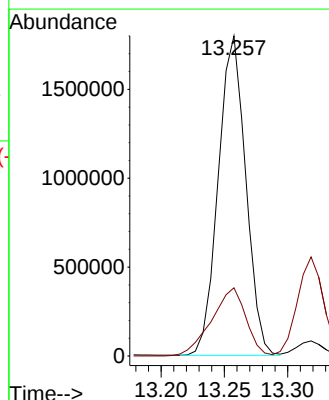
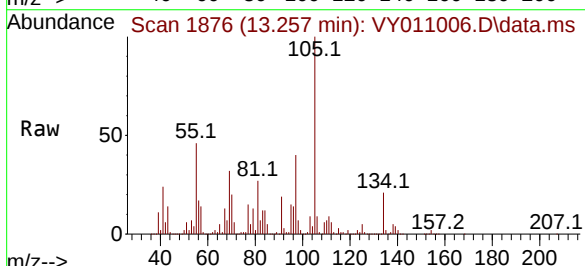
Acq: 19 Oct 2022 12:02

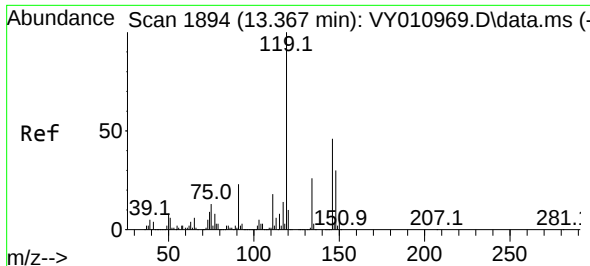
Tgt Ion:105 Resp: 2715222

Ion Ratio Lower Upper

105 100

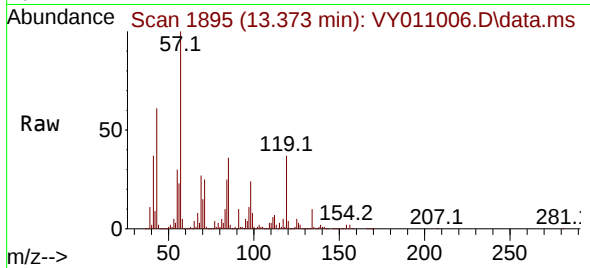
134 26.6 10.2 30.4





#86
p-Isopropyltoluene
Concen: 131.342 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

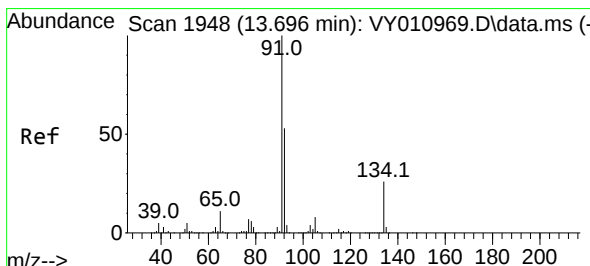
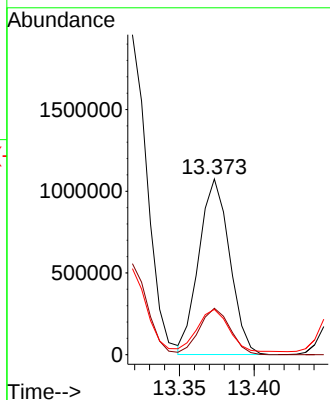
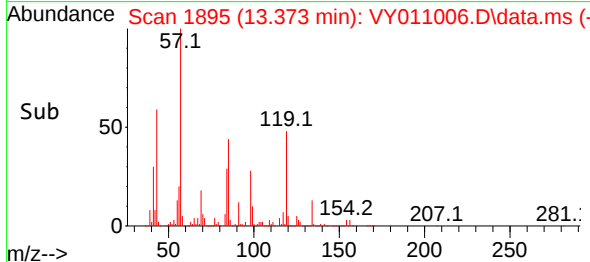
Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion:119 Resp: 1540210
Ion Ratio Lower Upper
119 100
134 26.4 13.2 39.5
91 24.3 12.4 37.2

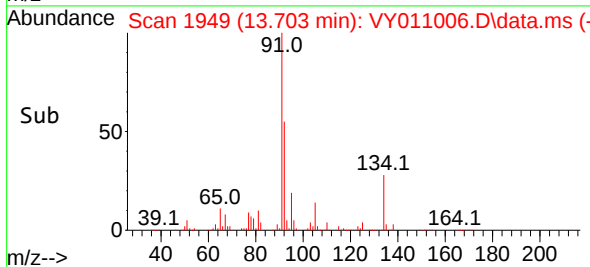
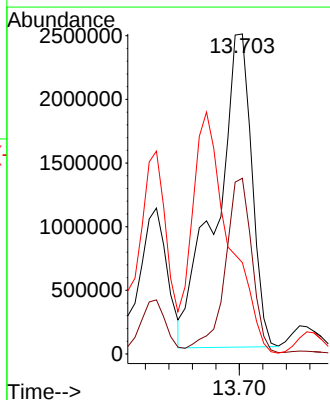
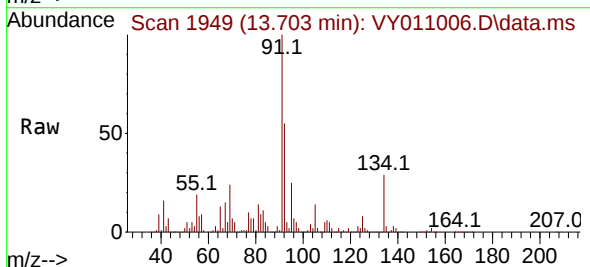
Manual Integrations
APPROVED

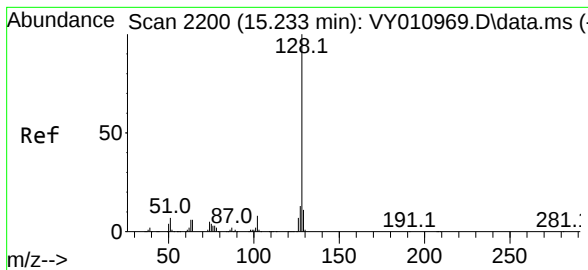
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#89
n-Butylbenzene
Concen: 471.734 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

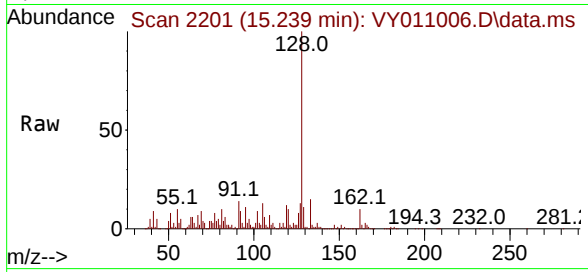
Tgt Ion: 91 Resp: 5169344
Ion Ratio Lower Upper
91 100
92 42.3 26.3 78.9
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 150.152 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011006.D
Acq: 19 Oct 2022 12:02

Instrument :
MSVOA_Y
ClientSampleId :
1639



Tgt Ion:128 Resp: 99453
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.4
129 12.8 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

