

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013598.D
 Acq On : 04 May 2023 14:29
 Operator : KP/MD
 Sample : 02505-05
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-5

Quant Time: May 05 00:59:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/05/2023
 Supervised By :Mahesh Dadoda 05/05/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	222574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	186803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112080	45.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.880%		
35) Dibromofluoromethane	7.722	113	96308	47.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.900%		
50) Toluene-d8	10.179	98	344564	48.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.460%		
62) 4-Bromofluorobenzene	12.483	95	68495	28.438	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	56.880%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	13245m	48.721	ug/l	
16) Acetone	3.960	43	192713	200.564	ug/l	94
25) 2-Butanone	6.990	43	55306	45.386	ug/l #	85
31) Cyclohexane	7.771	56	230951	52.868	ug/l #	59
39) Methylcyclohexane	9.185	83	297506	75.714	ug/l #	85
40) Benzene	8.161	78	12631	1.345	ug/l	93
52) Toluene	10.246	92	2647715	468.627	ug/l	100
64) Tetrachloroethene	10.721	164	56274	39.617	ug/l	96
67) Ethyl Benzene	11.593	91	533800	74.703	ug/l	98
68) m/p-Xylenes	11.703	106	755415	278.089	ug/l	96
69) o-Xylene	12.026	106	581137	226.205	ug/l	95
73) Isopropylbenzene	12.331	105	154135	52.993	ug/l	98
78) n-propylbenzene	12.672	91	422062	117.809	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	851654	358.744	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	1314866	569.681	ug/l	100
85) sec-Butylbenzene	13.251	105	74161	24.025	ug/l #	58
86) p-Isopropyltoluene	13.367	119	36126	14.553	ug/l	96
89) n-Butylbenzene	13.696	91	64950	26.808	ug/l #	71

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

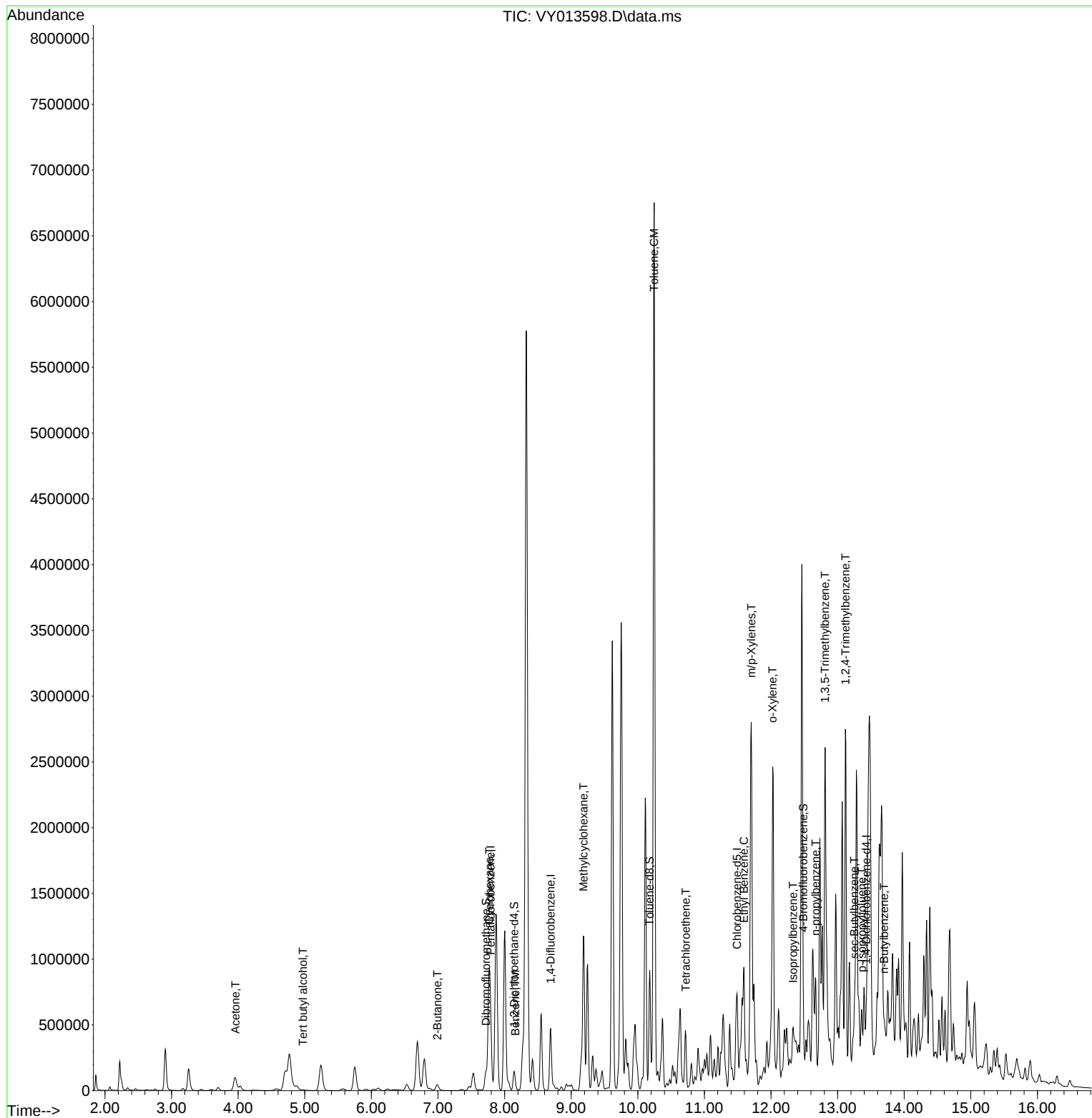
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
Data File : VY013598.D
Acq On : 04 May 2023 14:29
Operator : KP/MD
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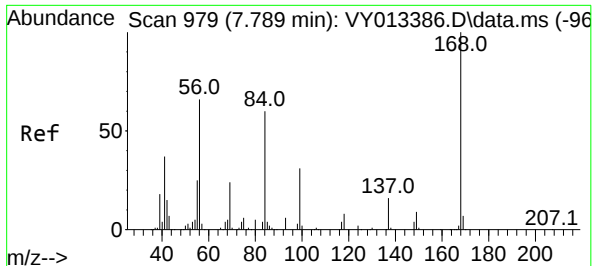
Instrument :
MSVOA_Y
ClientSampleId :
WO-5

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Supervised By :Mahesh Dadoda 05/05/2023

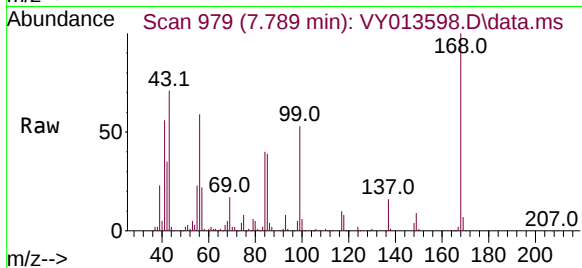
Quant Time: May 05 00:59:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

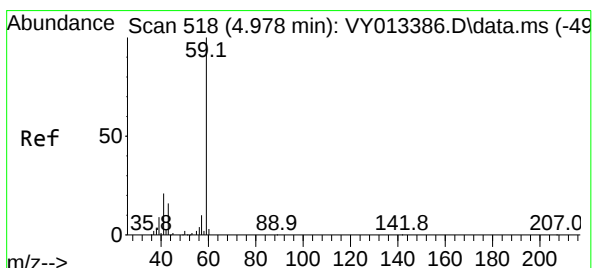
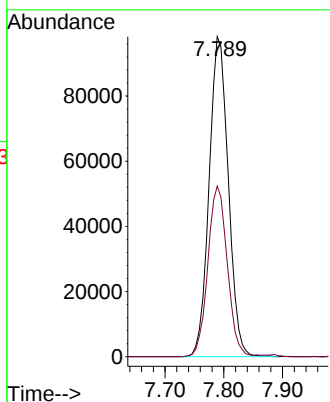
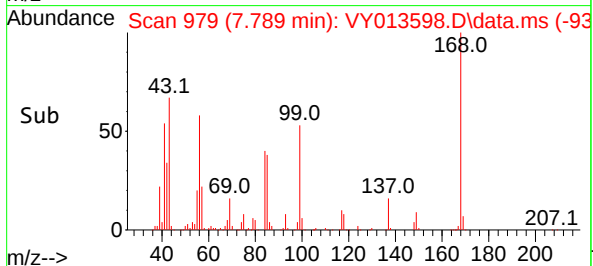
Instrument :
MSVOA_Y
ClientSampleId :
WO-5



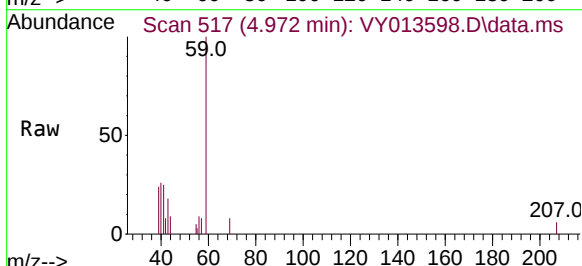
Tgt Ion:168 Resp: 222574
Ion Ratio Lower Upper
168 100
99 53.3 41.8 62.6

Manual Integrations
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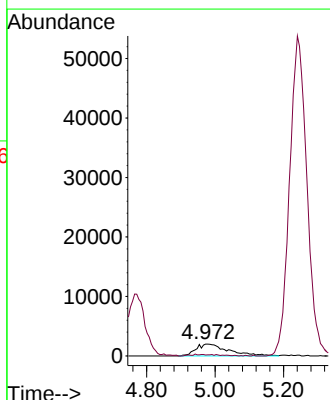
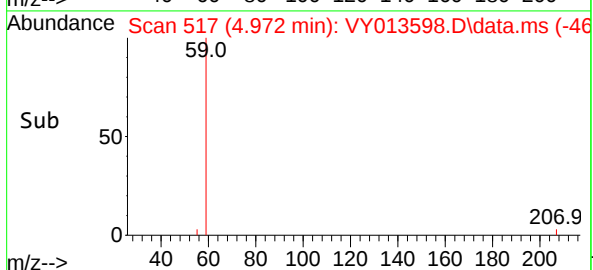
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023

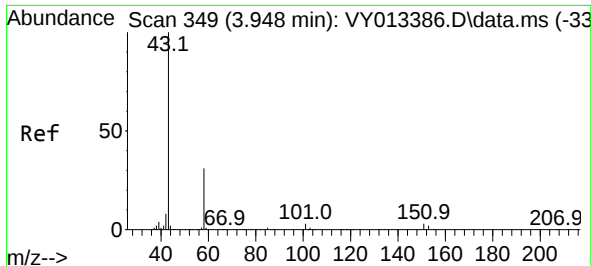


#11
Tert butyl alcohol
Concen: 48.721 ug/l m
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29



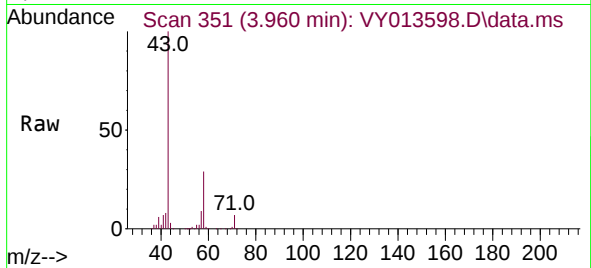
Tgt Ion: 59 Resp: 13245
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16
Acetone
Concen: 200.564 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

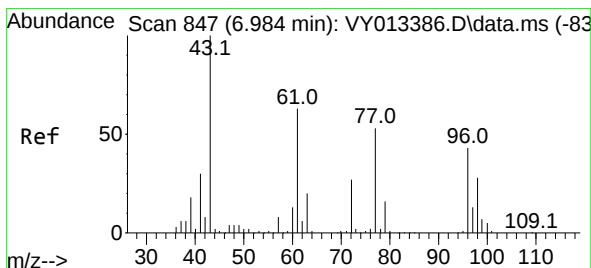
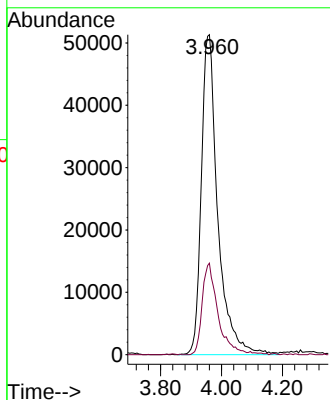
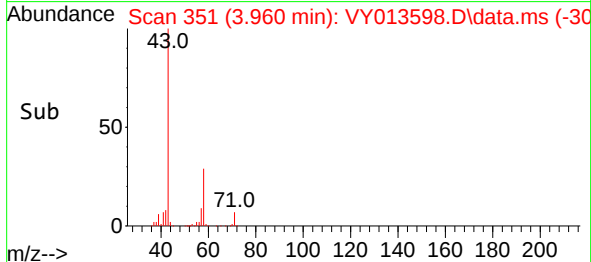
Instrument :
MSVOA_Y
ClientSampleId :
WO-5



Tgt Ion: 43 Resp: 19271
Ion Ratio Lower Upper
43 100
58 28.6 25.4 38.0

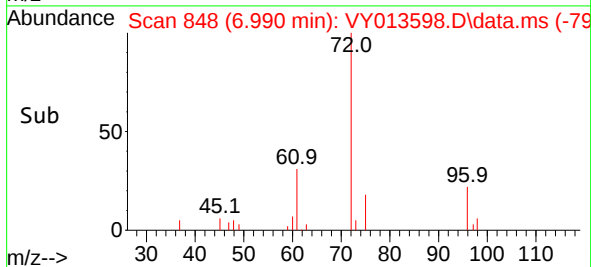
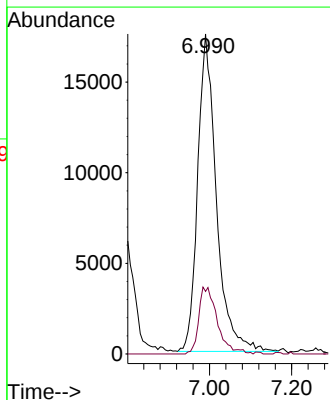
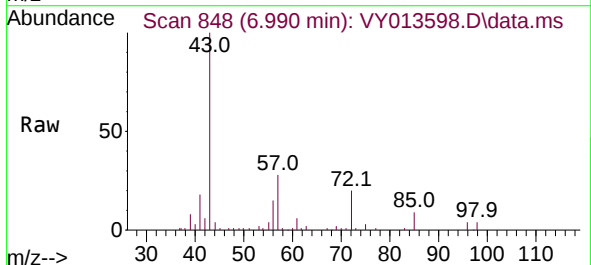
Manual Integrations
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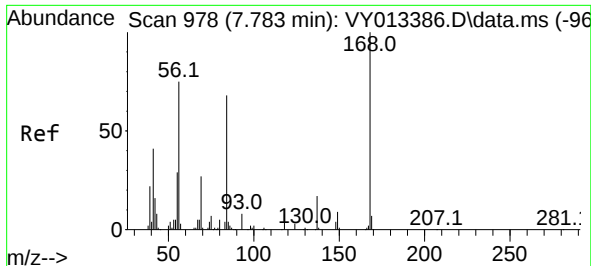
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#25
2-Butanone
Concen: 45.386 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

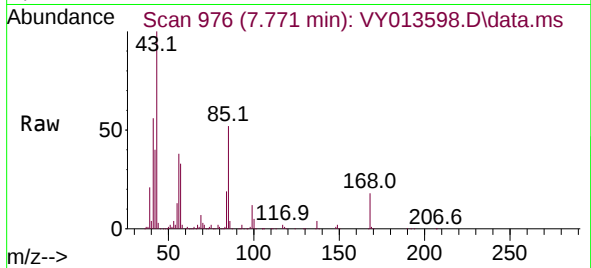
Tgt Ion: 43 Resp: 55306
Ion Ratio Lower Upper
43 100
72 19.7 21.9 32.9#





#31
Cyclohexane
Concen: 52.868 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

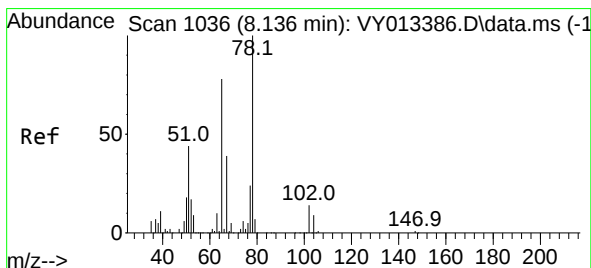
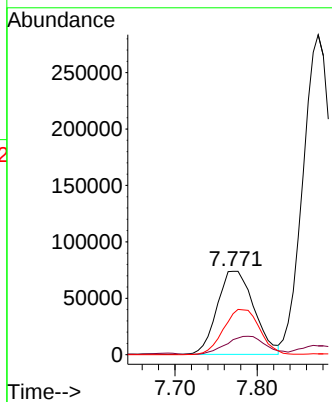
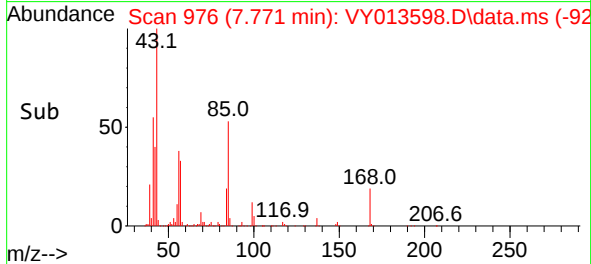
Instrument :
MSVOA_Y
ClientSampleId :
WO-5



Tgt Ion: 56 Resp: 23095
Ion Ratio Lower Upper
56 100
69 17.0 29.2 43.8
84 49.2 73.0 109.6

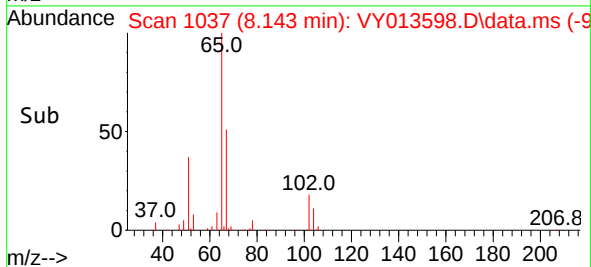
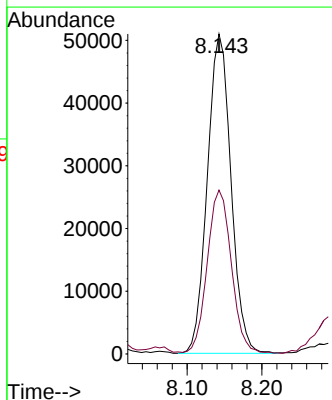
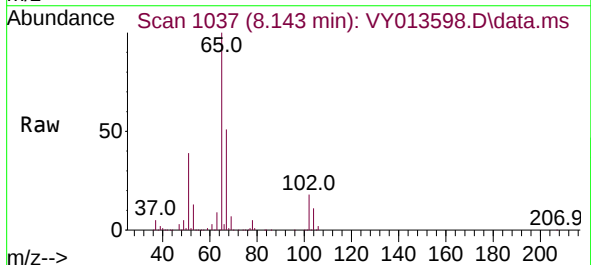
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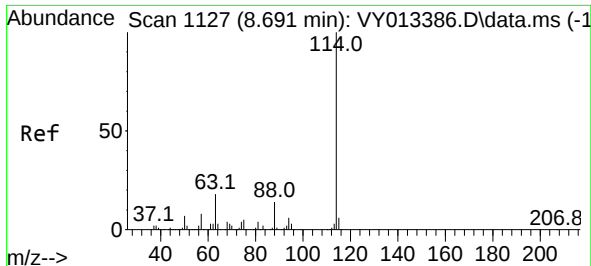
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#33
1,2-Dichloroethane-d4
Concen: 45.936 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

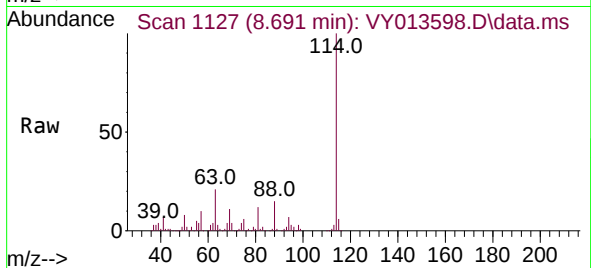
Tgt Ion: 65 Resp: 112080
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

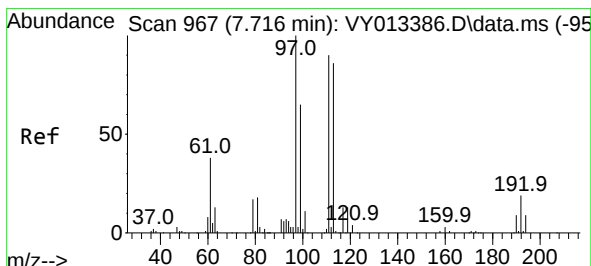
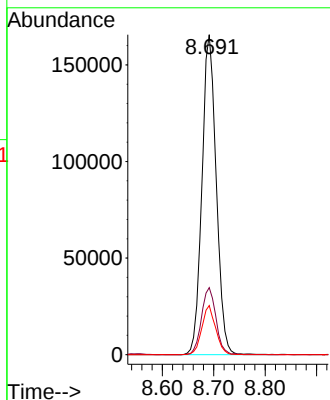
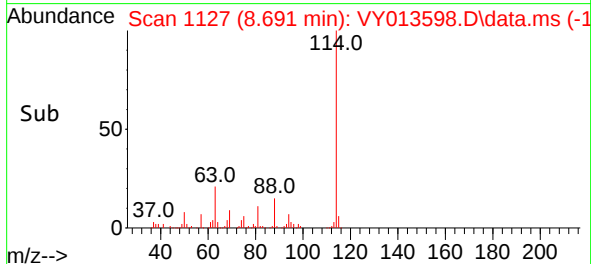
Instrument :
MSVOA_Y
ClientSampleId :
WO-5



Tgt Ion:114 Resp: 319310
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.6
88 15.3 0.0 28.8

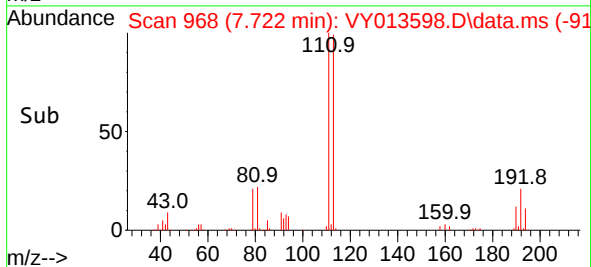
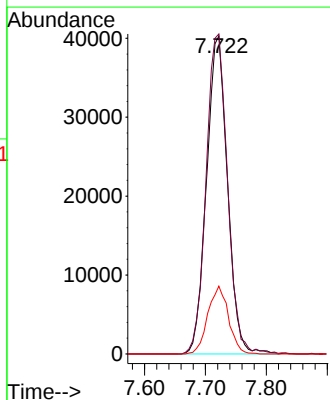
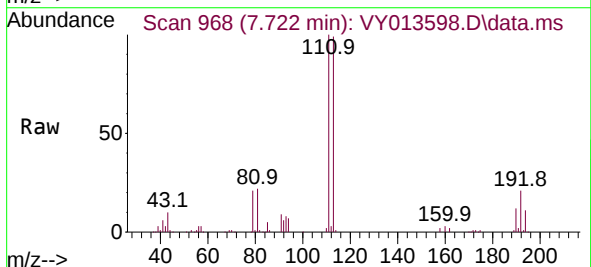
Manual Integrations
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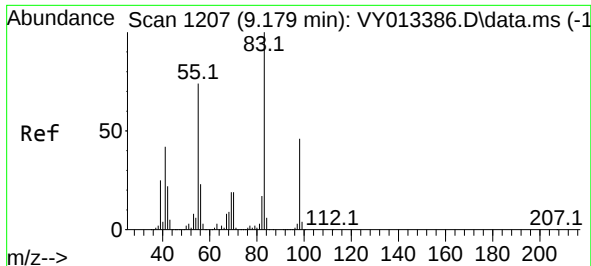
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#35
Dibromofluoromethane
Concen: 47.955 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion:113 Resp: 96308
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 21.0 16.7 25.1





#39

Methylcyclohexane

Concen: 75.714 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.006 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

WO-5

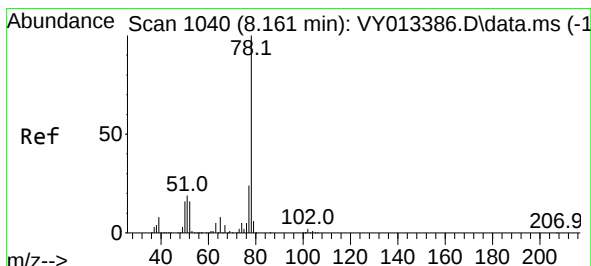
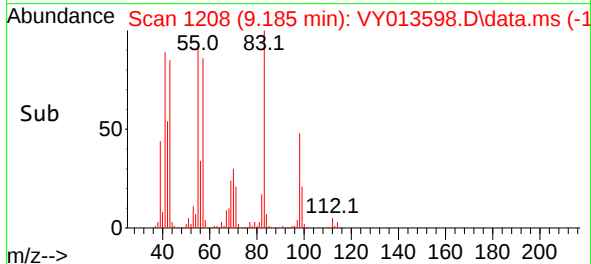
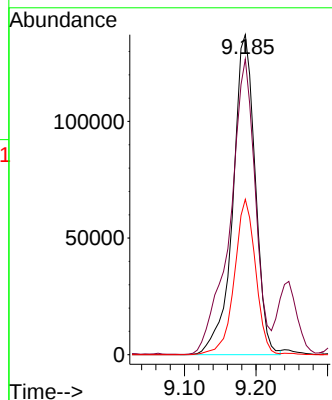
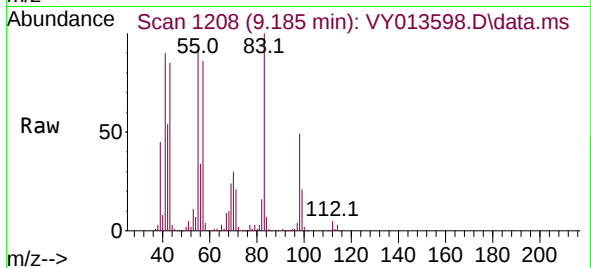
Tgt Ion: 83	Resp: 297500
Ion Ratio	Lower Upper
83 100	
55 92.3	59.0 88.4
98 48.5	37.0 55.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/05/2023



#40

Benzene

Concen: 1.345 ug/l

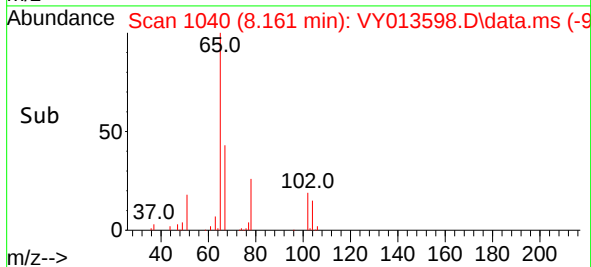
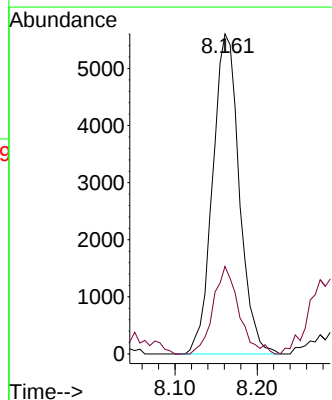
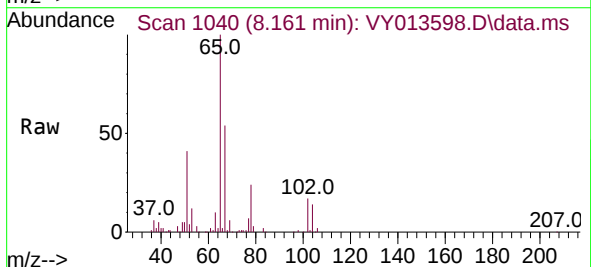
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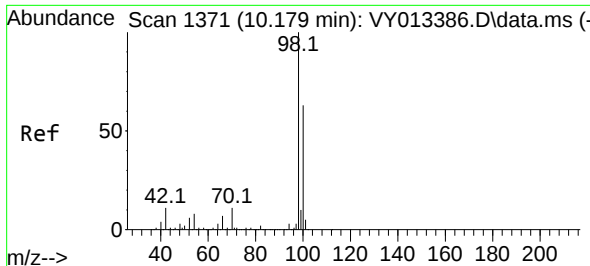
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Lab File: VY013598.D

Acq: 04 May 2023 14:29

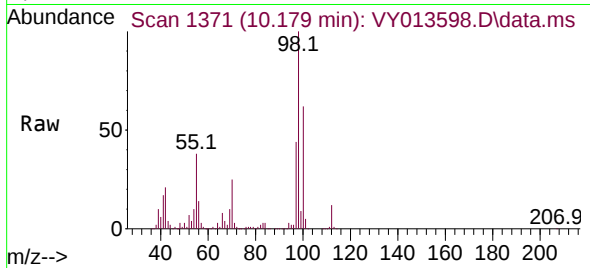
Tgt Ion: 78	Resp: 12631
Ion Ratio	Lower Upper
78 100	
77 27.4	19.2 28.8





#50
Toluene-d8
Concen: 48.229 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

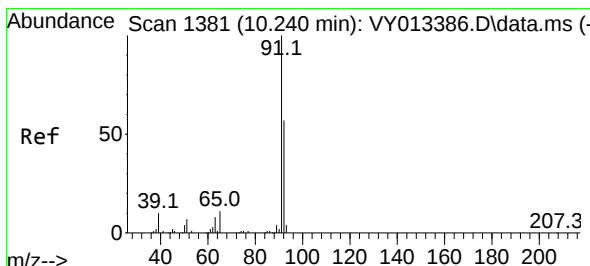
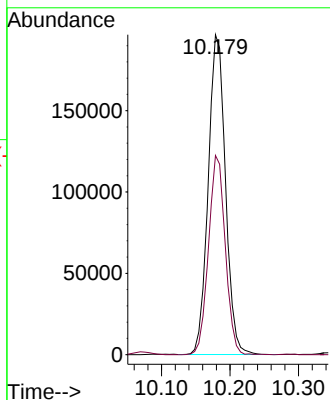
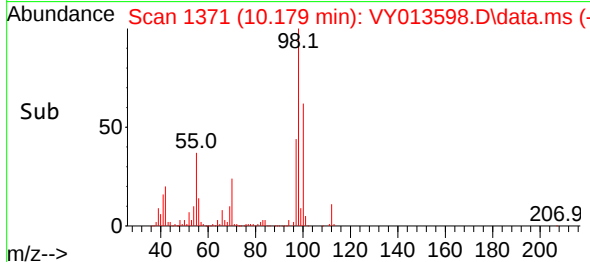
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ClientSampleId :
WO-5



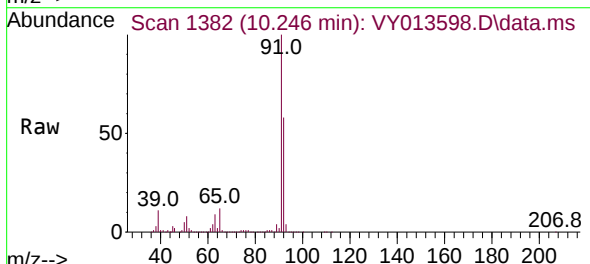
Tgt Ion: 98 Resp: 344564
Ion Ratio Lower Upper
98 100
100 60.6 50.5 75.7

Manual Integrations
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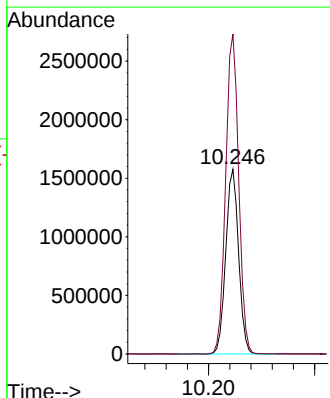
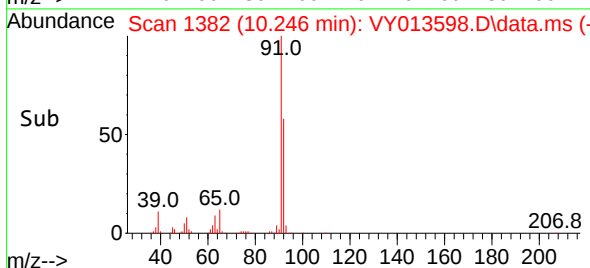
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023

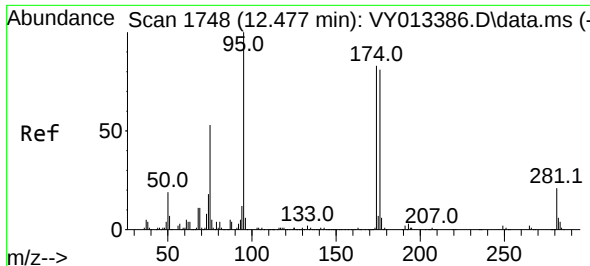


#52
Toluene
Concen: 468.627 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29



Tgt Ion: 92 Resp: 2647715
Ion Ratio Lower Upper
92 100
91 175.3 140.2 210.4





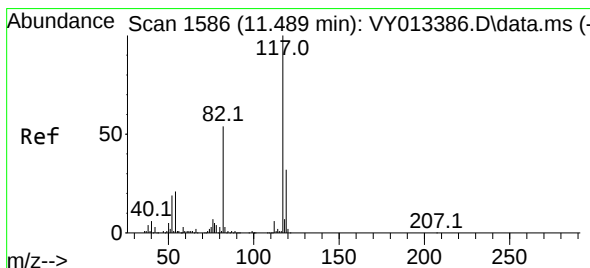
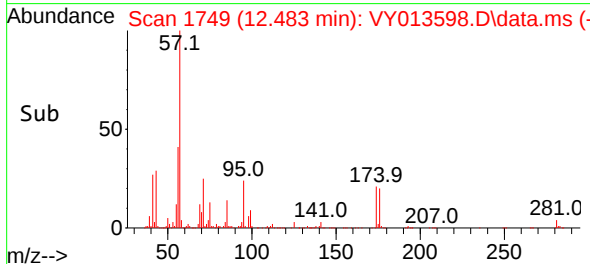
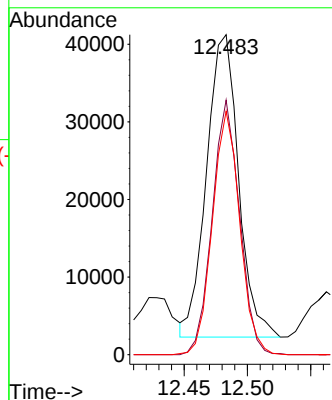
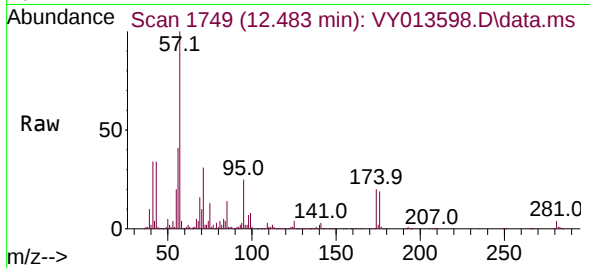
#62
4-Bromofluorobenzene
Concen: 28.438 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :
WO-5

Tgt Ion: 95 Resp: 6849
Ion Ratio Lower Upper
95 100
174 71.8 0.0 182.0
176 68.8 0.0 175.4

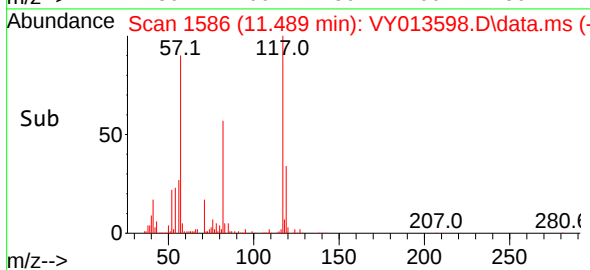
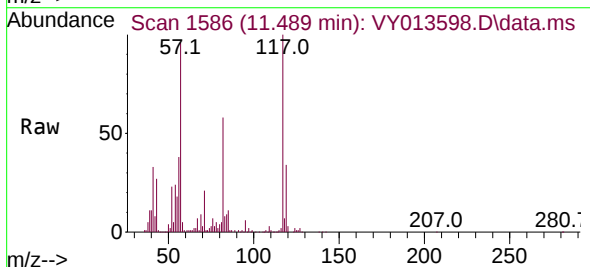
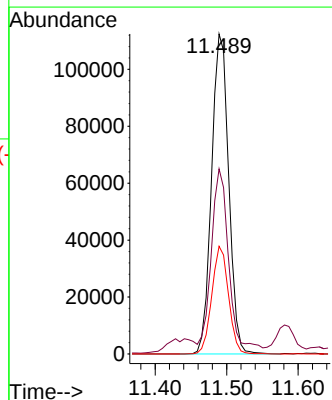
Manual Integrations
APPROVED

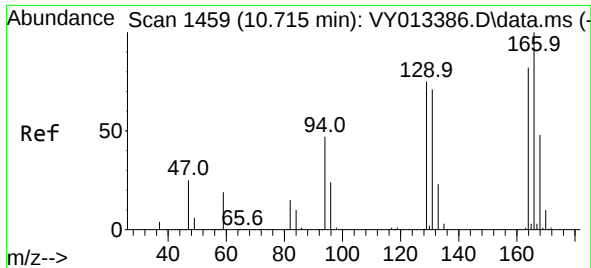
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

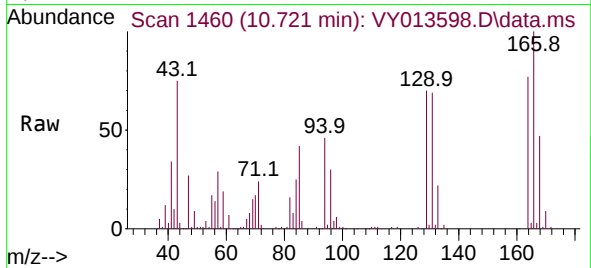
Tgt Ion:117 Resp: 186803
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 33.7 25.5 38.3





#64
Tetrachloroethene
Concen: 39.617 ug/l
RT: 10.721 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

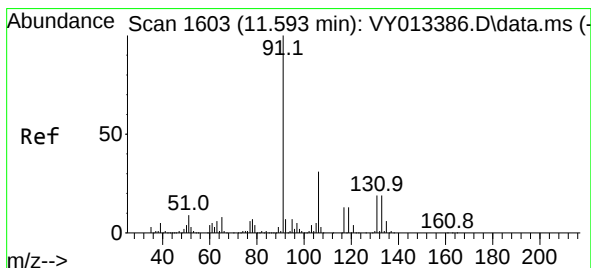
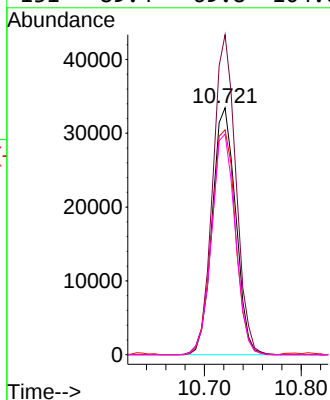
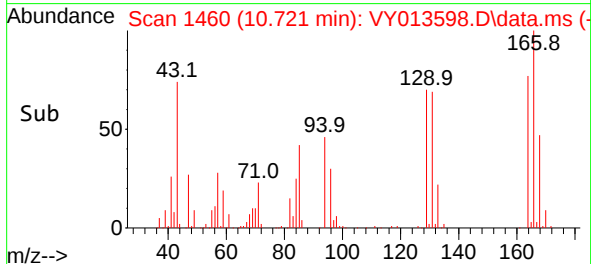
Instrument :
MSVOA_Y
ClientSampleId :
WO-5



Tgt Ion:164 Resp: 56274
Ion Ratio Lower Upper
164 100
166 129.6 97.5 146.3
129 91.1 72.6 109.0
131 89.4 69.8 104.6

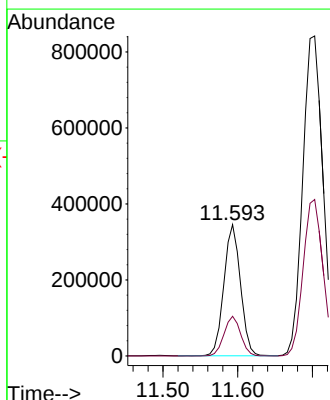
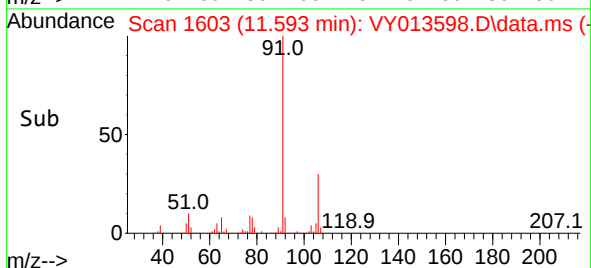
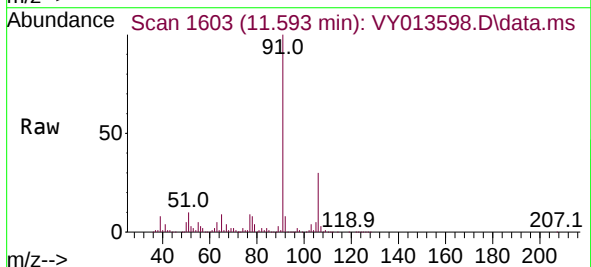
Manual Integrations
APPROVED

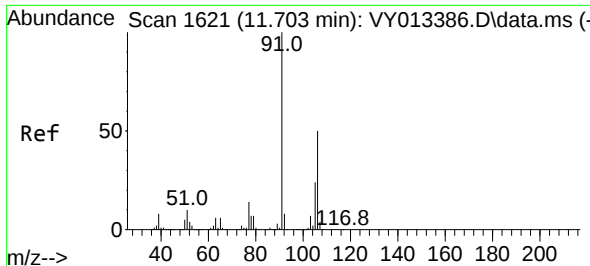
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#67
Ethyl Benzene
Concen: 74.703 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 91 Resp: 533800
Ion Ratio Lower Upper
91 100
106 30.2 25.1 37.7





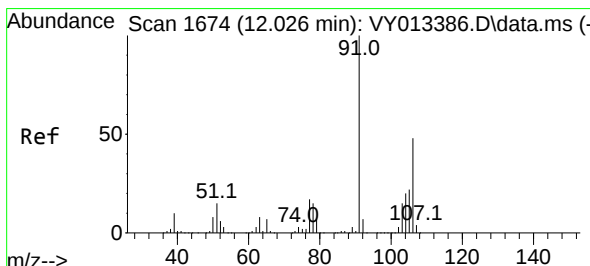
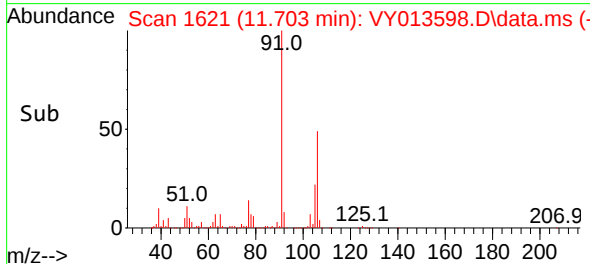
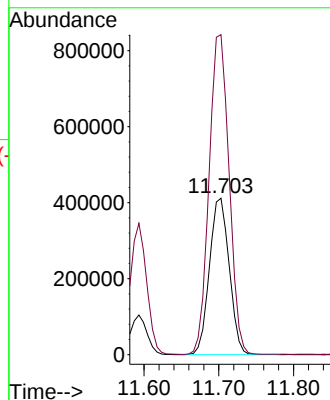
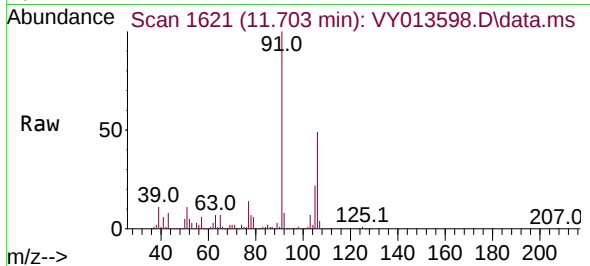
#68
m/p-Xylenes
Concen: 278.089 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :
WO-5

Tgt Ion:106 Resp: 75541
Ion Ratio Lower Upper
106 100
91 207.1 160.9 241.3

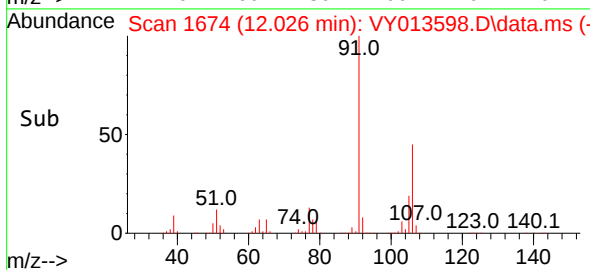
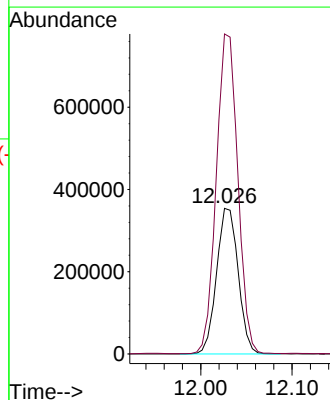
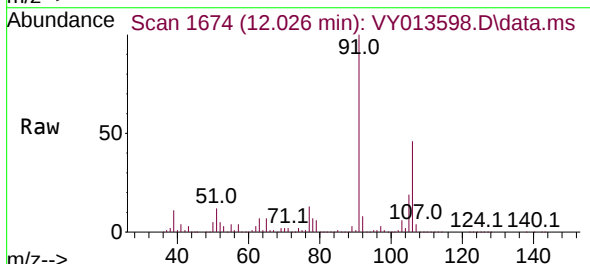
Manual Integrations
APPROVED

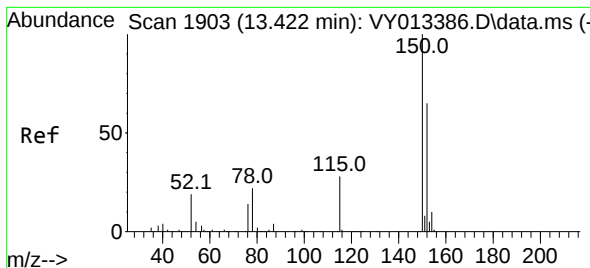
Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#69
o-Xylene
Concen: 226.205 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion:106 Resp: 581137
Ion Ratio Lower Upper
106 100
91 218.8 105.5 316.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

WO-5

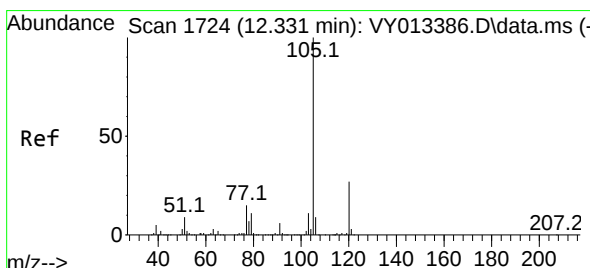
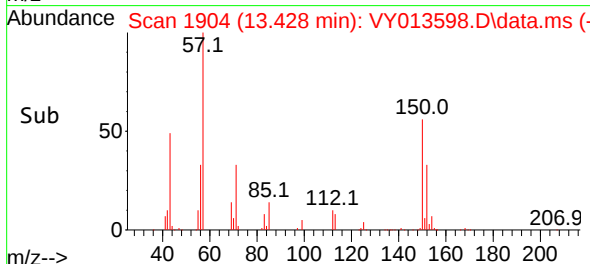
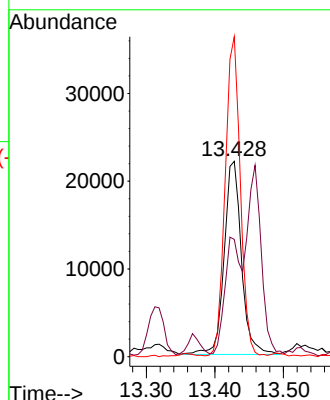
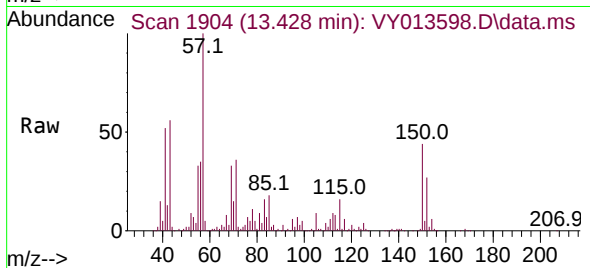
Tgt Ion:152 Resp: 3845
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.1 84.2
 150 144.4 0.0 352.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/05/2023

Supervised By :Mahesh Dadoda 05/05/2023



#73

Isopropylbenzene

Concen: 52.993 ug/l

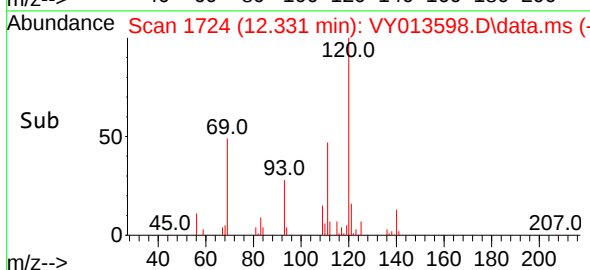
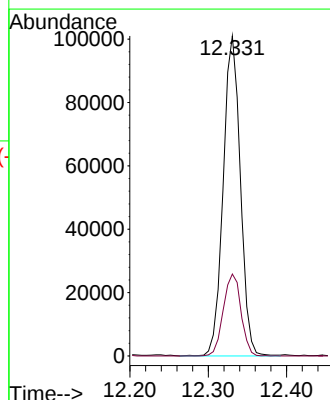
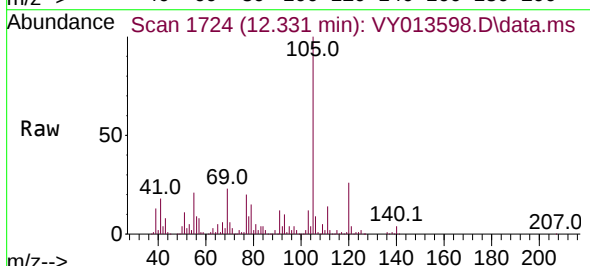
RT: 12.331 min Scan# 1724

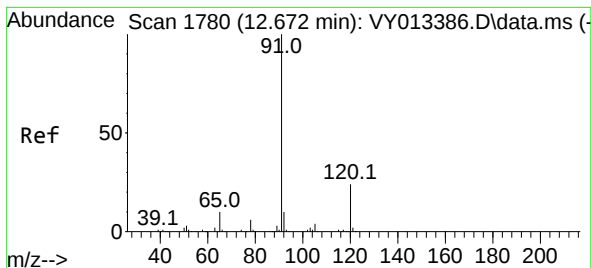
Delta R.T. -0.000 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Tgt Ion:105 Resp: 154135
 Ion Ratio Lower Upper
 105 100
 120 26.3 13.7 41.0





#78

n-propylbenzene

Concen: 117.809 ug/l

RT: 12.672 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

WO-5

Tgt Ion: 91 Resp: 422062

Ion Ratio Lower Upper

91 100

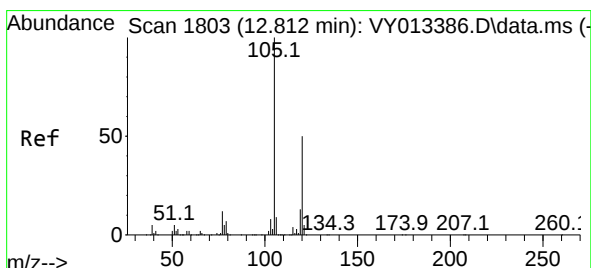
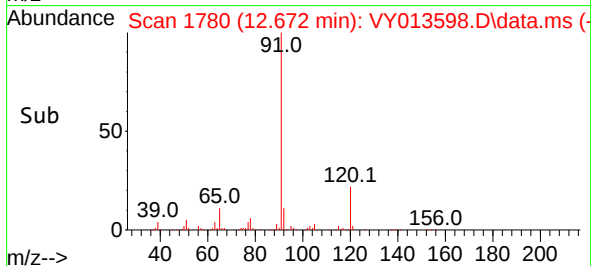
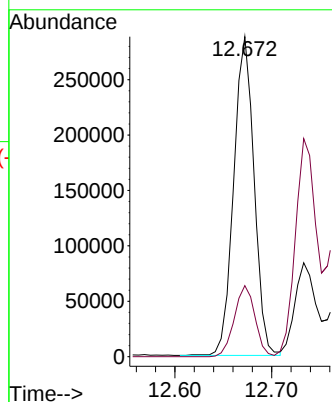
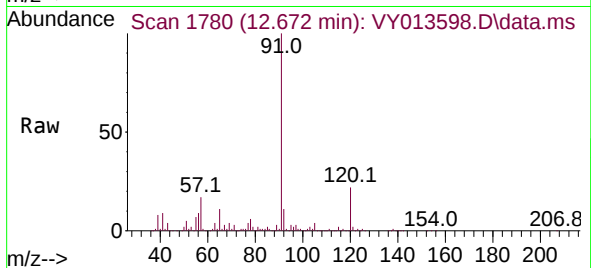
120 22.6 11.9 35.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/05/2023

Supervised By :Mahesh Dadoda 05/05/2023



#80

1,3,5-Trimethylbenzene

Concen: 358.744 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013598.D

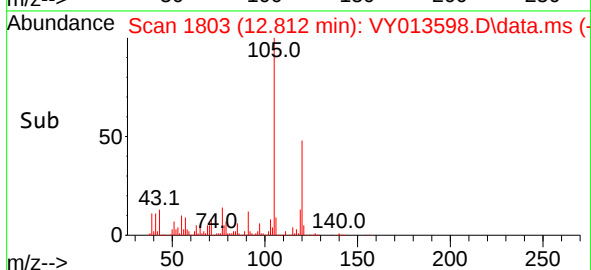
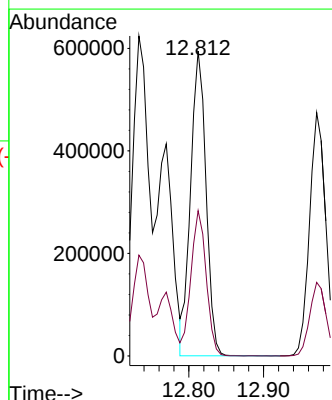
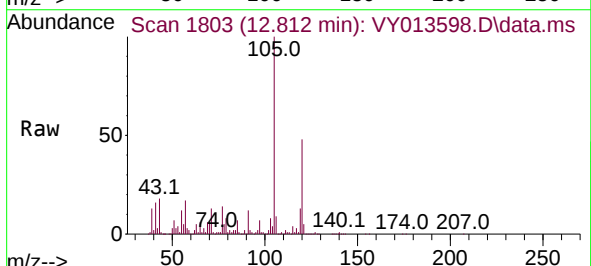
Acq: 04 May 2023 14:29

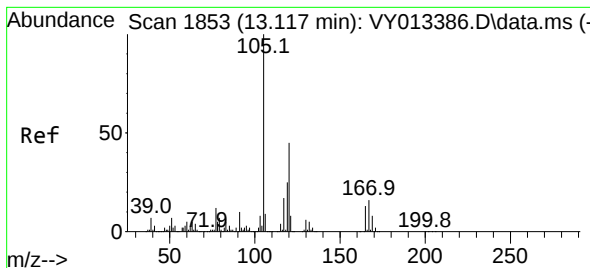
Tgt Ion:105 Resp: 851654

Ion Ratio Lower Upper

105 100

120 47.3 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 569.681 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

WO-5

Tgt Ion:105 Resp: 131486

Ion Ratio Lower Upper

105 100

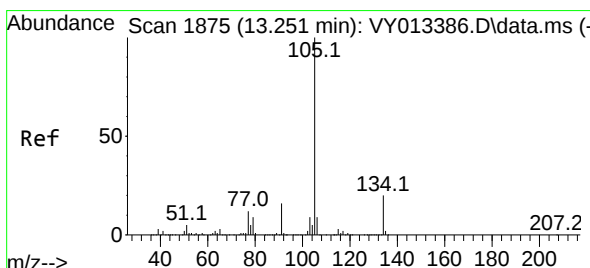
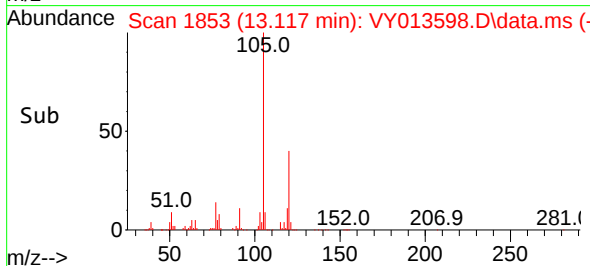
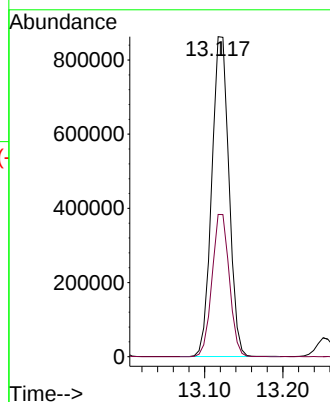
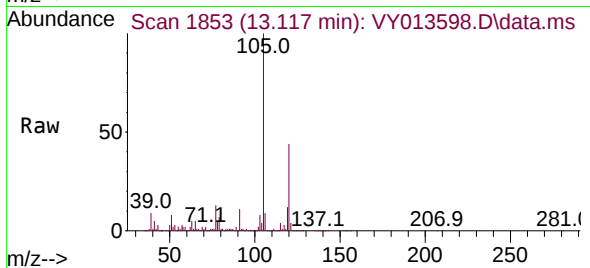
120 44.6 22.3 66.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/05/2023

Supervised By :Mahesh Dadoda 05/05/2023



#85

sec-Butylbenzene

Concen: 24.025 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013598.D

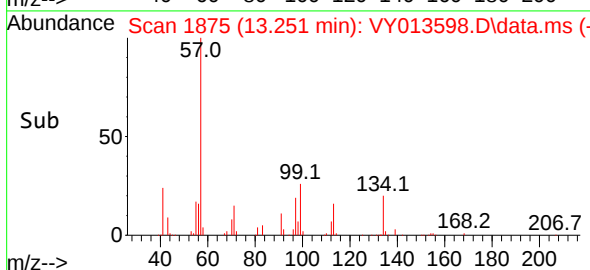
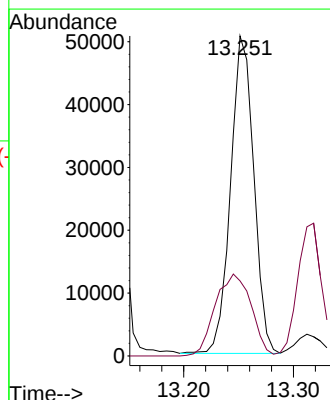
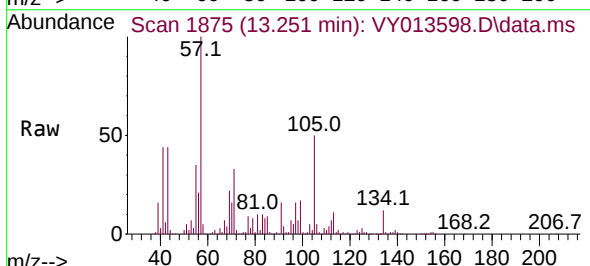
Acq: 04 May 2023 14:29

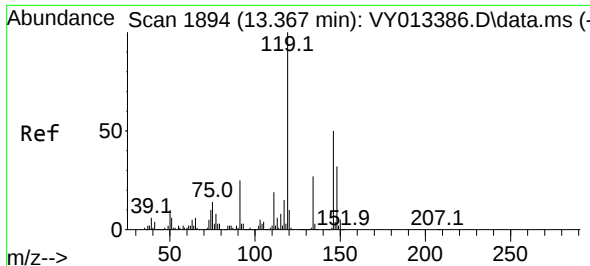
Tgt Ion:105 Resp: 74161

Ion Ratio Lower Upper

105 100

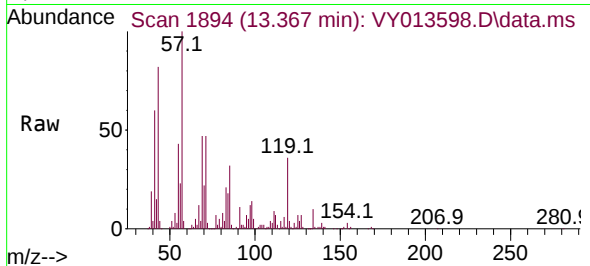
134 40.0 10.3 30.9#





#86
p-Isopropyltoluene
Concen: 14.553 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

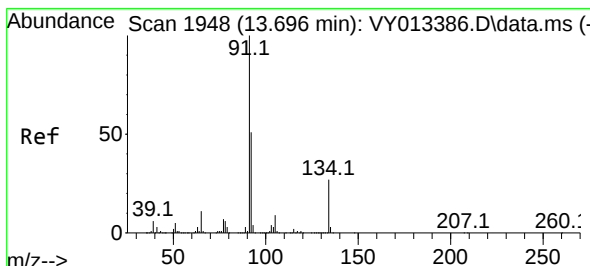
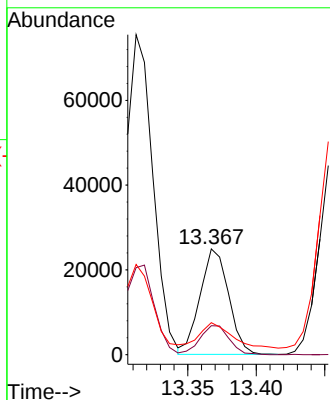
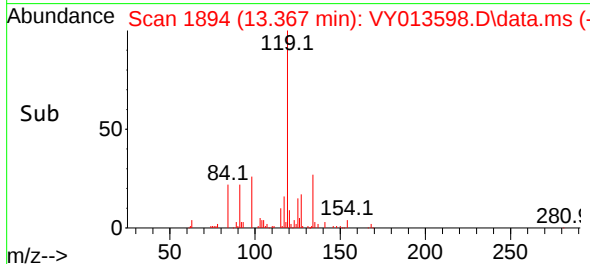
Instrument :
MSVOA_Y
ClientSampleId :
WO-5



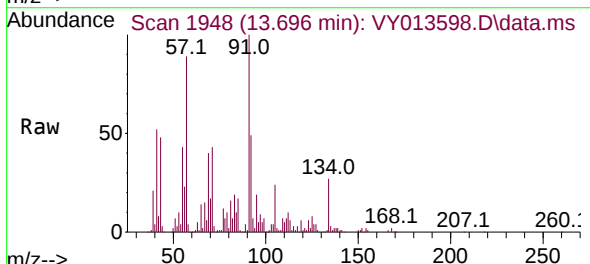
Tgt Ion:119 Resp: 36120
Ion Ratio Lower Upper
119 100
134 28.2 13.4 40.2
91 26.5 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/05/2023
Supervised By :Mahesh Dadoda 05/05/2023



#89
n-Butylbenzene
Concen: 26.808 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29



Tgt Ion: 91 Resp: 64950
Ion Ratio Lower Upper
91 100
92 63.7 25.8 77.3
134 0.0 13.5 40.4#

