

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015713.D
 Acq On : 26 Sep 2023 17:09
 Operator : SY/MD
 Sample : 04614-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-1049

Quant Time: Sep 27 01:34:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/27/2023
 Supervised By :Mahesh Dadoda 09/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	135364	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	234631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87303	58.617	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.240%			
35) Dibromofluoromethane	7.722	113	73615	52.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.840%			
50) Toluene-d8	10.179	98	280350	58.877	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.760%			
62) 4-Bromofluorobenzene	12.483	95	99114	53.041	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.080%			
Target Compounds					Qvalue	
15) Acrylonitrile	5.174	53	10966	16.240	ug/l	92
16) Acetone	3.966	43	767346	962.731	ug/l	91
20) Methylene Chloride	4.722	84	19264	6.860	ug/l	93
31) Cyclohexane	7.783	56	13787	6.682	ug/l #	92
39) Methylcyclohexane	9.185	83	19559	8.516	ug/l	91
40) Benzene	8.161	78	29902	4.722	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	44673	20.372	ug/l	94
52) Toluene	10.246	92	530412	129.930	ug/l	95
67) Ethyl Benzene	11.593	91	202132	24.305	ug/l	99
68) m/p-Xylenes	11.703	106	311570	98.567	ug/l	96
69) o-Xylene	12.032	106	138237	44.599	ug/l	98
73) Isopropylbenzene	12.331	105	23089	2.843	ug/l	98
78) n-propylbenzene	12.672	91	87541	8.873	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	110995	16.326	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	488438	71.802	ug/l	98
85) sec-Butylbenzene	13.251	105	9262m	1.039	ug/l	
86) p-Isopropyltoluene	13.367	119	16920	2.273	ug/l	99
89) n-Butylbenzene	13.696	91	17506	2.484	ug/l #	69
95) Naphthalene	15.233	128	97634	16.292	ug/l	100

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

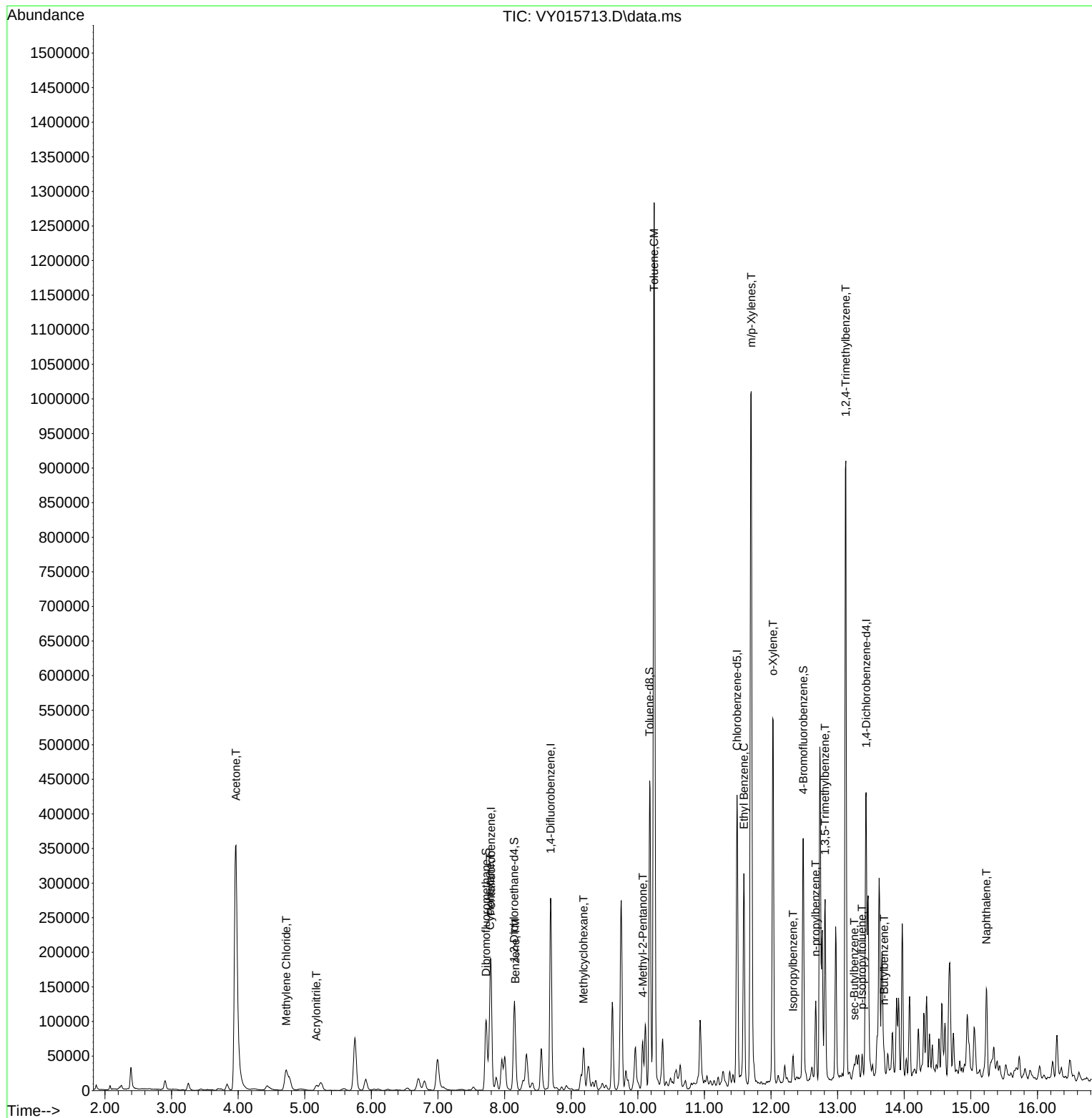
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
Data File : VY015713.D
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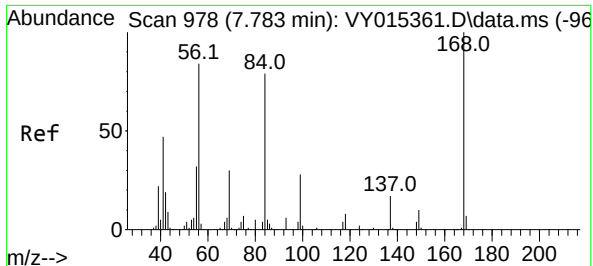
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049

Quant Time: Sep 27 01:34:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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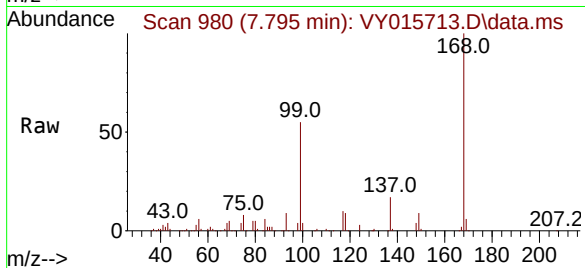
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

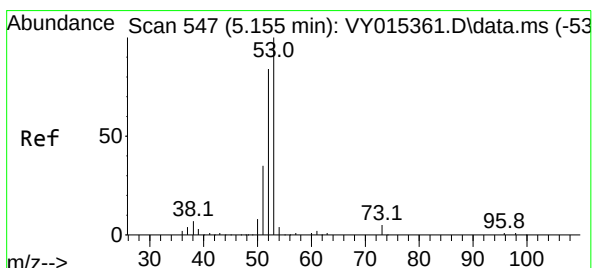
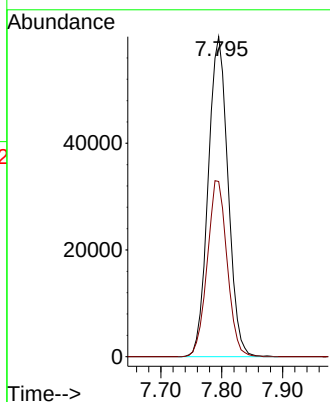
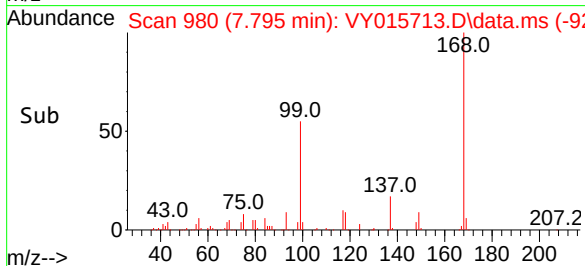
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



Tgt Ion:168 Resp: 135364
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0

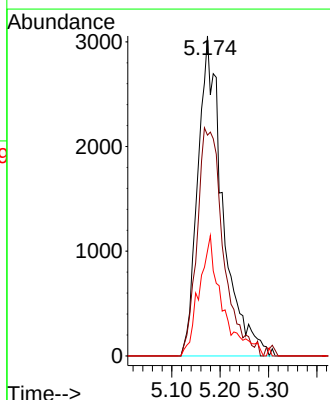
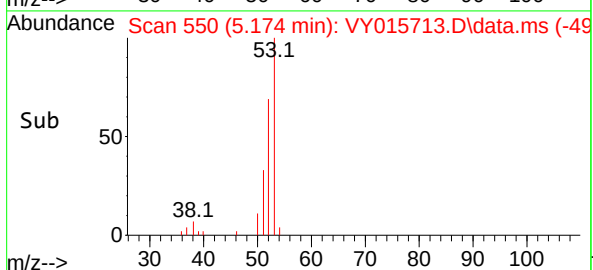
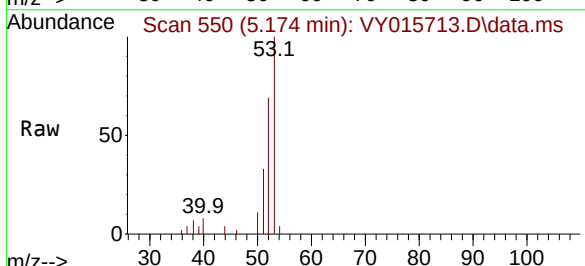
Manual Integrations
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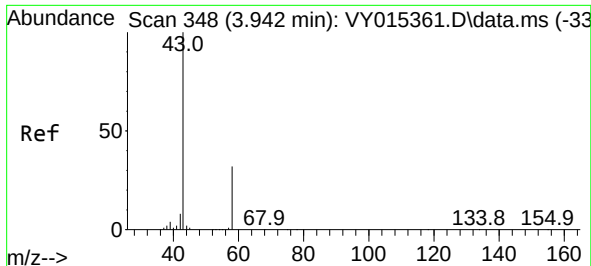
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#15
Acrylonitrile
Concen: 16.240 ug/l
RT: 5.174 min Scan# 550
Delta R.T. 0.013 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Tgt Ion: 53 Resp: 10966
Ion Ratio Lower Upper
53 100
52 74.5 66.9 100.3
51 35.3 29.8 44.6





#16

Acetone

Concen: 962.731 ug/l

RT: 3.966 min Scan# 3

Delta R.T. 0.024 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1049

Tgt Ion: 43 Resp: 767340

Ion Ratio Lower Upper

43 100

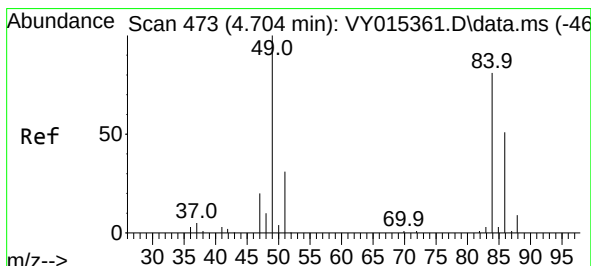
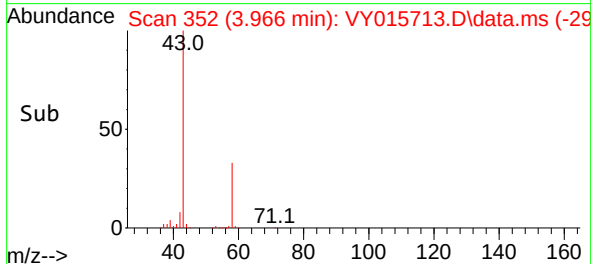
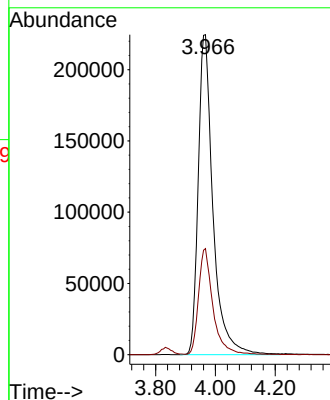
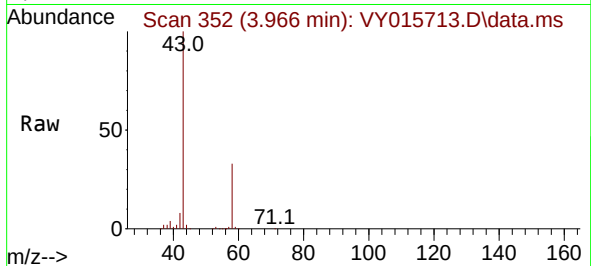
58 33.1 22.7 34.1

Manual Integrations

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#20

Methylene Chloride

Concen: 6.860 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.018 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Tgt Ion: 84 Resp: 19264

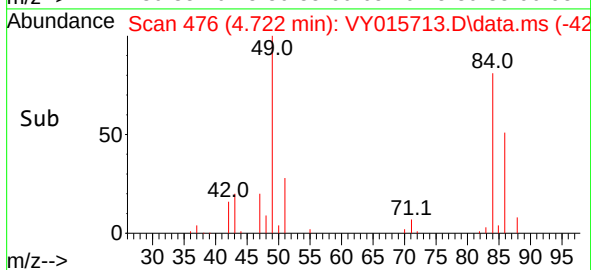
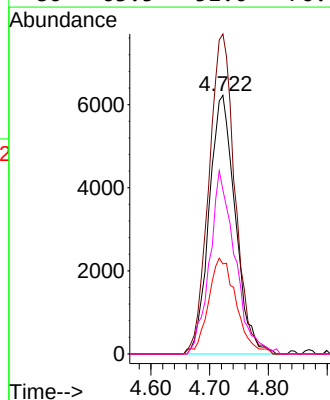
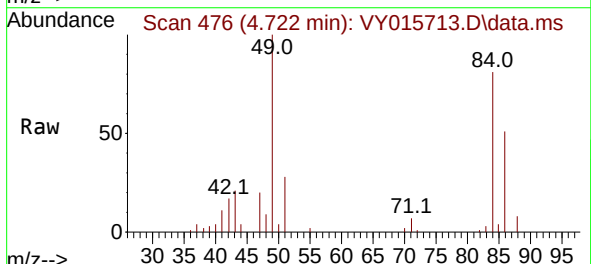
Ion Ratio Lower Upper

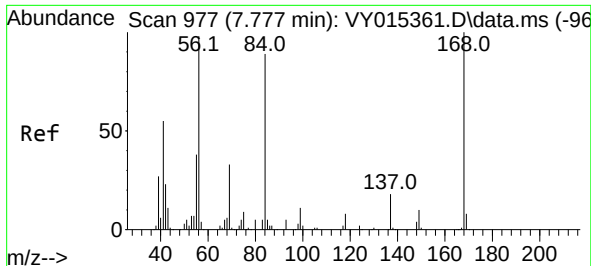
84 100

49 123.8 106.9 160.3

51 34.9 33.2 49.8

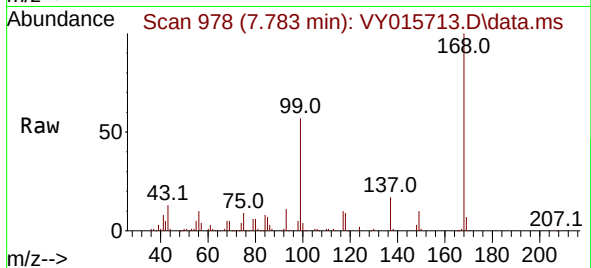
86 63.5 51.0 76.6





#31
Cyclohexane
Concen: 6.682 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

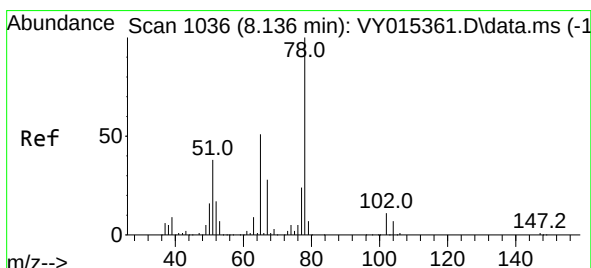
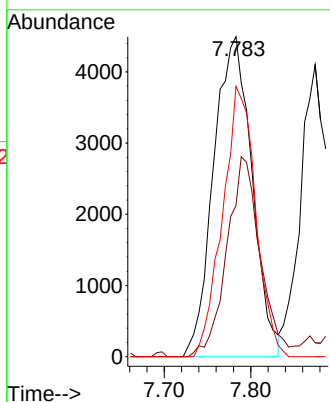
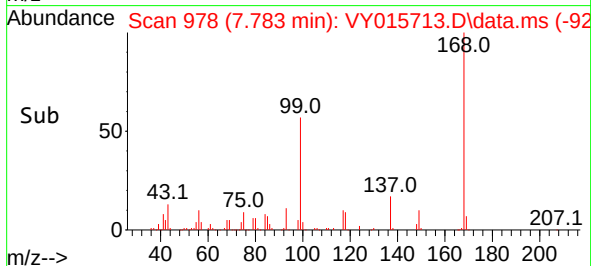
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



Tgt Ion: 56 Resp: 1378
Ion Ratio Lower Upper
56 100
69 47.2 27.8 41.6
84 84.4 66.4 99.6

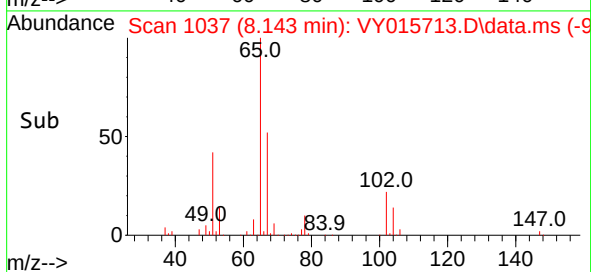
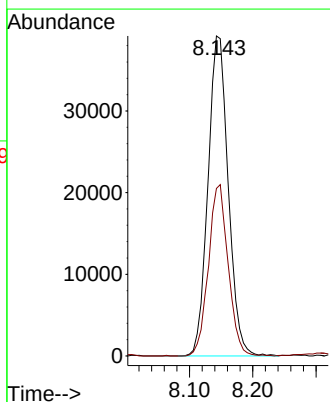
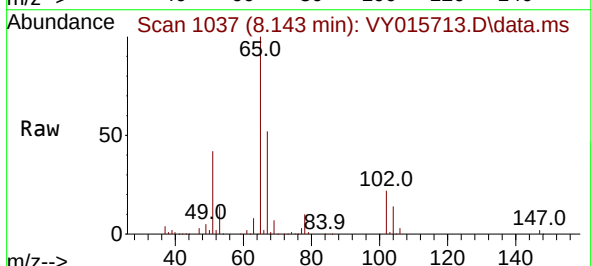
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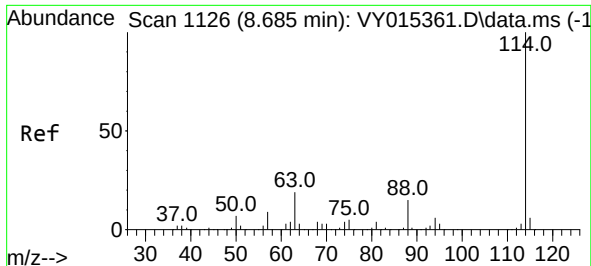
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#33
1,2-Dichloroethane-d4
Concen: 58.617 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Tgt Ion: 65 Resp: 87303
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1049

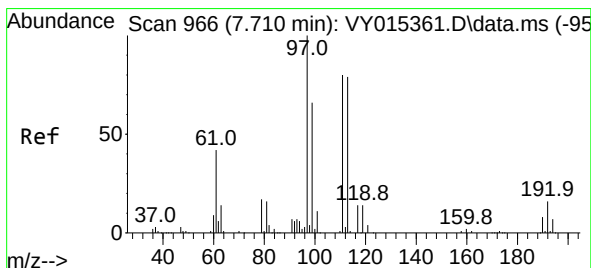
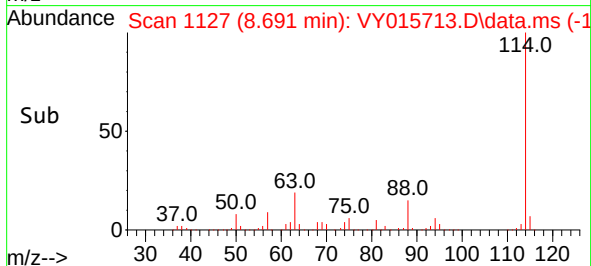
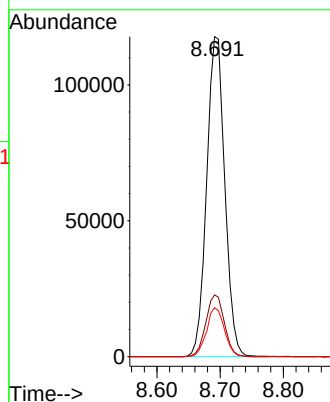
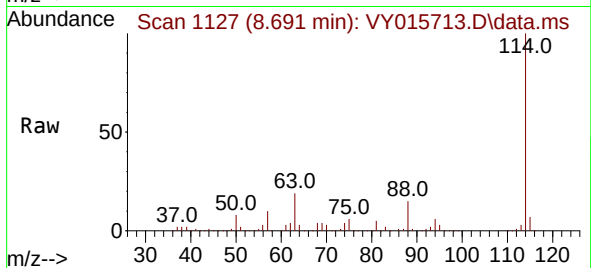
Tgt Ion:114	Resp:	23463
Ion Ratio	Lower	Upper
114	100	
63	19.3	0.0 42.4
88	15.3	0.0 30.6

Manual Integrations

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Reviewed By :John Carlone 09/27/2023

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#35

Dibromofluoromethane

Concen: 52.419 ug/l

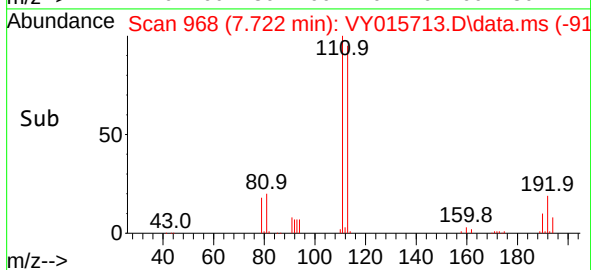
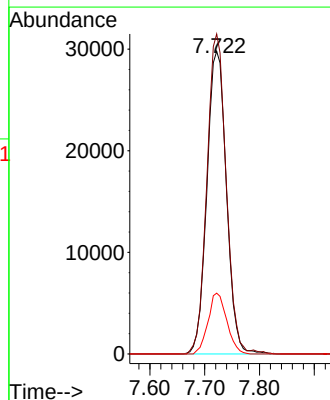
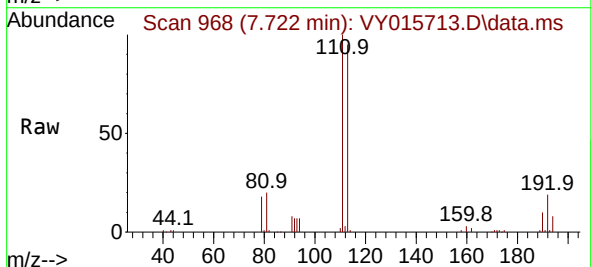
RT: 7.722 min Scan# 968

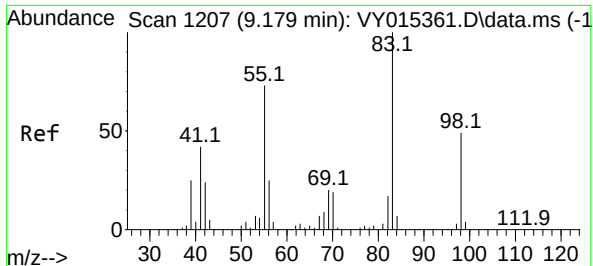
Delta R.T. 0.006 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Tgt Ion:113	Resp:	73615
Ion Ratio	Lower	Upper
113	100	
111	104.3	81.3 121.9
192	19.3	16.9 25.3





#39

Methylcyclohexane

Concen: 8.516 ug/l

RT: 9.185 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1049

Tgt Ion: 83 Resp: 1955

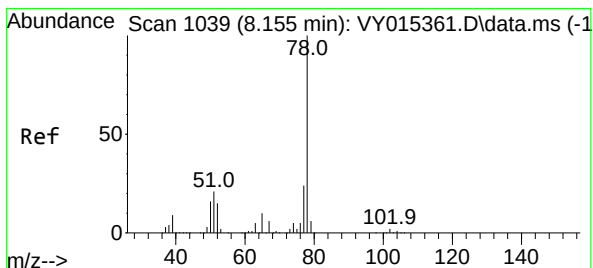
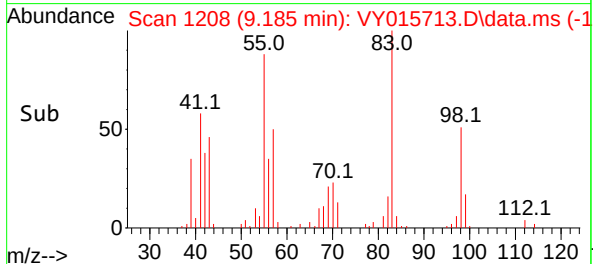
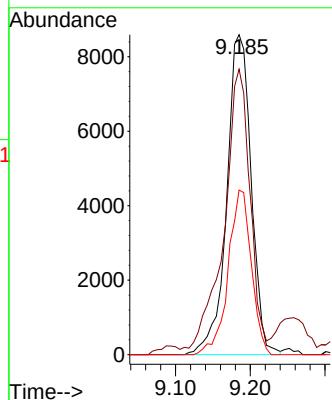
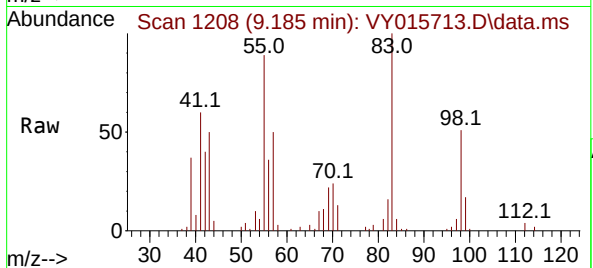
Ion	Ratio	Lower	Upper
83	100		
55	87.6	63.0	94.4
98	51.5	37.4	56.2

Manual Integrations

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Supervised By :Mahesh Dadoda 09/27/2023



#40

Benzene

Concen: 4.722 ug/l

RT: 8.161 min Scan# 1040

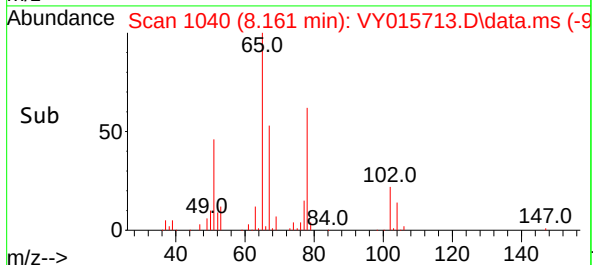
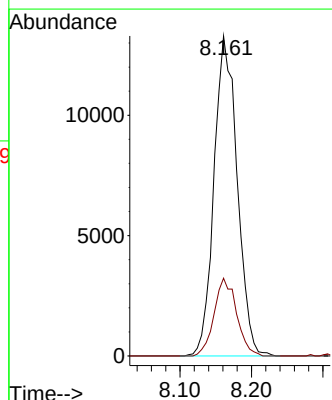
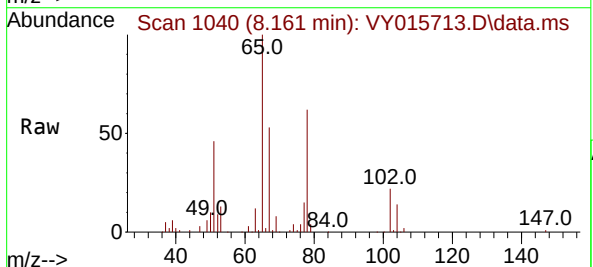
Delta R.T. 0.012 min

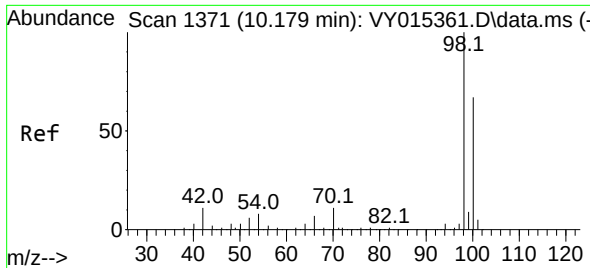
Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Tgt Ion: 78 Resp: 29902

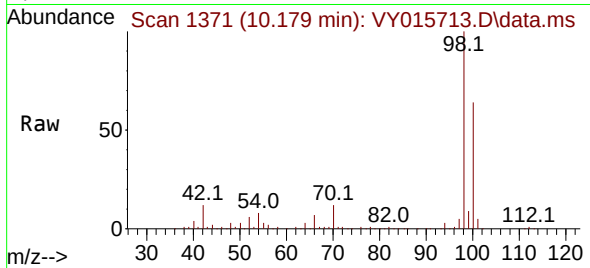
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





#50
Toluene-d8
Concen: 58.877 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

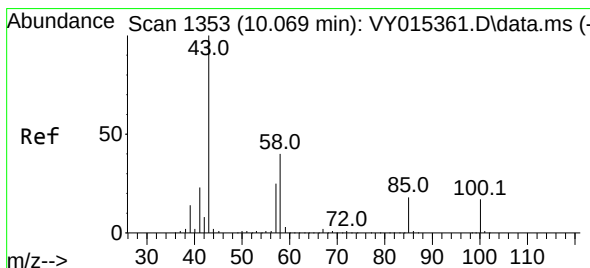
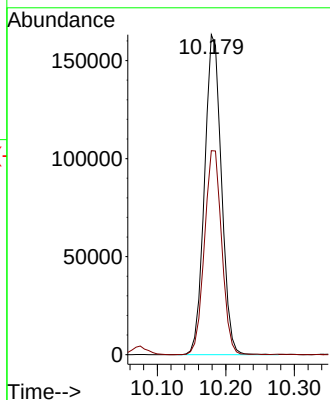
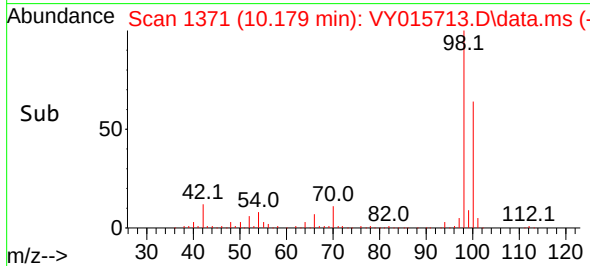
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



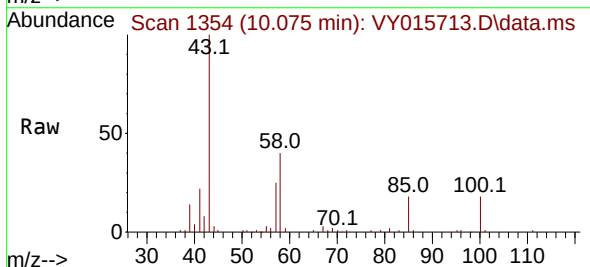
Tgt Ion: 98 Resp: 280350
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

Manual Integrations
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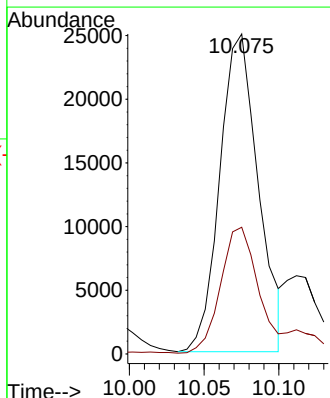
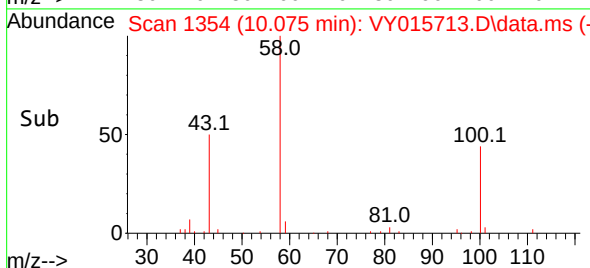
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

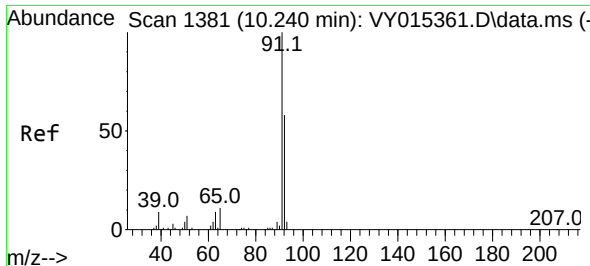


#51
4-Methyl-2-Pentanone
Concen: 20.372 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09



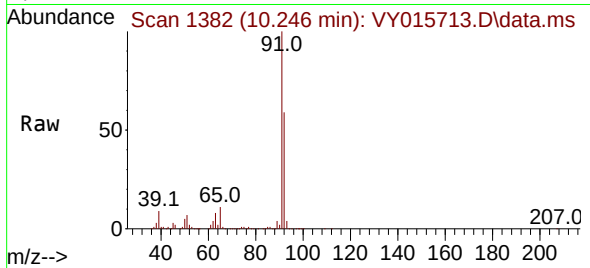
Tgt Ion: 43 Resp: 44673
Ion Ratio Lower Upper
43 100
58 39.8 29.0 43.6





#52
Toluene
Concen: 129.930 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

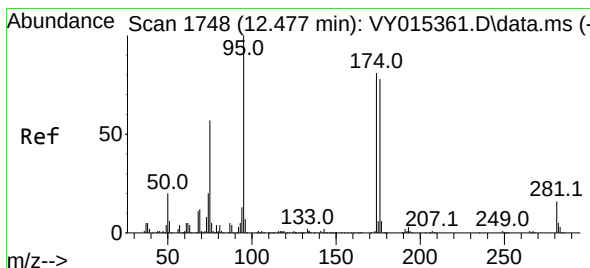
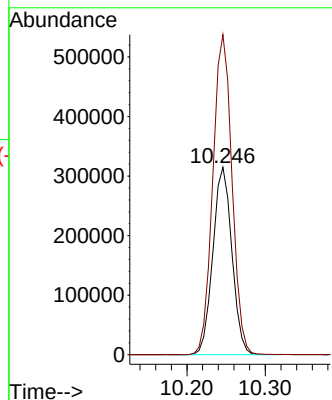
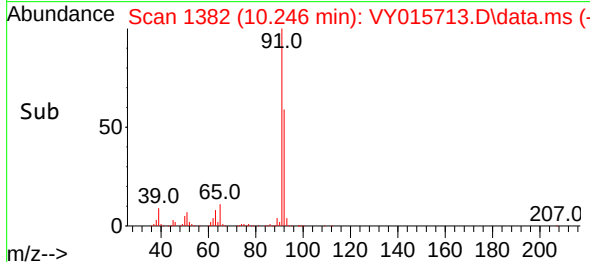
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



Tgt Ion: 92 Resp: 530412
Ion Ratio Lower Upper
92 100
91 172.1 143.8 215.6

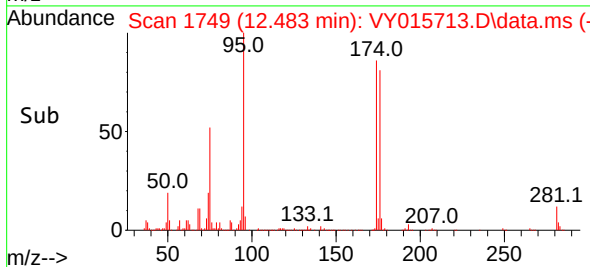
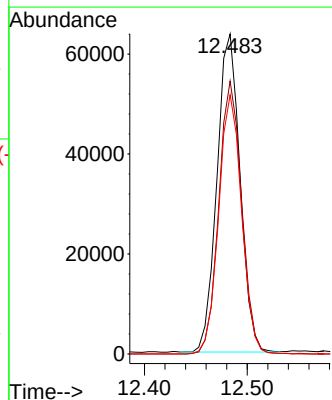
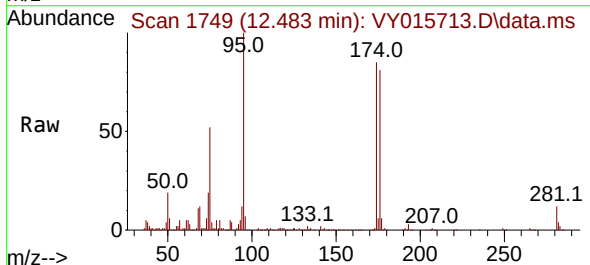
Manual Integrations
APPROVED

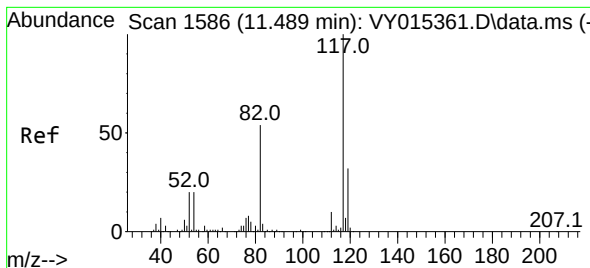
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#62
4-Bromofluorobenzene
Concen: 53.041 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Tgt Ion: 95 Resp: 99114
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 80.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1049

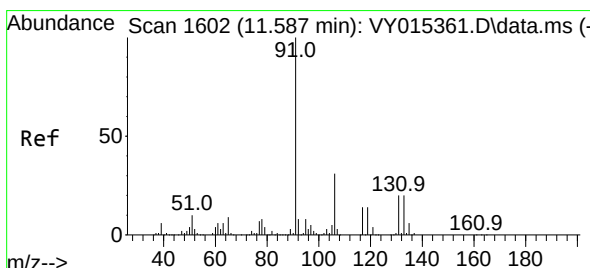
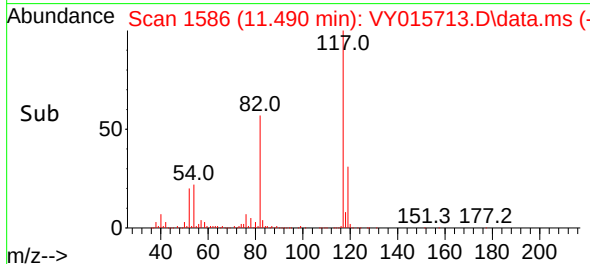
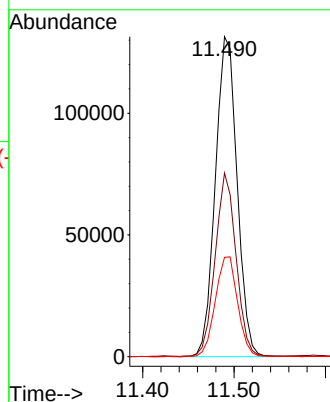
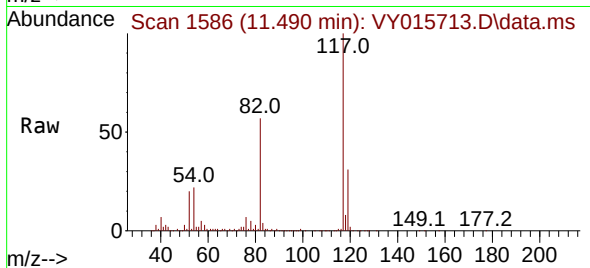
Tgt Ion:	117	Resp:	217978
Ion	Ratio	Lower	Upper
117	100		
82	57.3	43.4	65.0
119	31.0	26.3	39.5

Manual Integrations

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Reviewed By :John Carlone 09/27/2023

Supervised By :Mahesh Dadoda 09/27/2023



#67

Ethyl Benzene

Concen: 24.305 ug/l

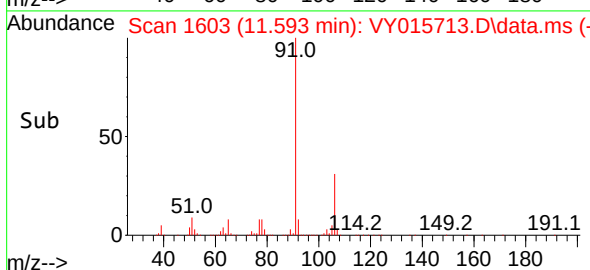
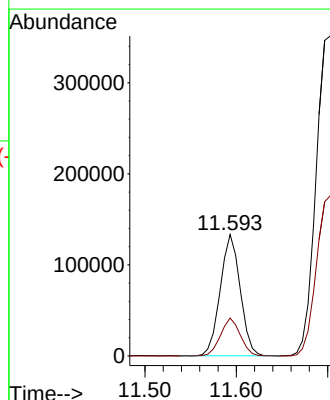
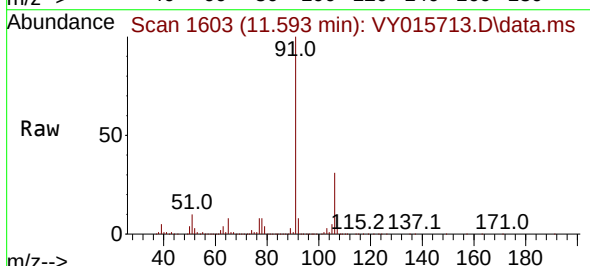
RT: 11.593 min Scan# 1603

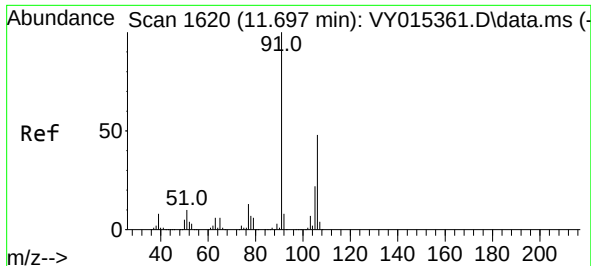
Delta R.T. 0.006 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Tgt Ion:	91	Resp:	202132
Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.6	36.8





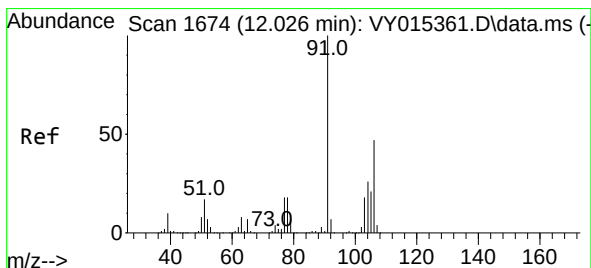
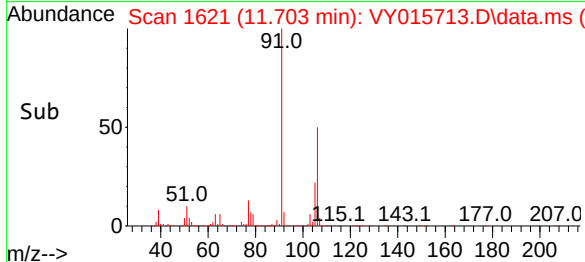
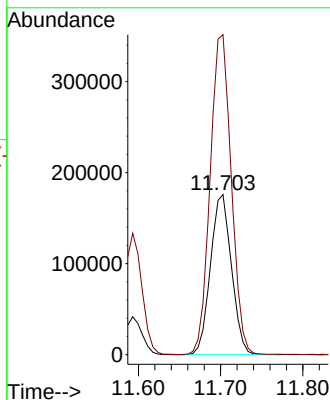
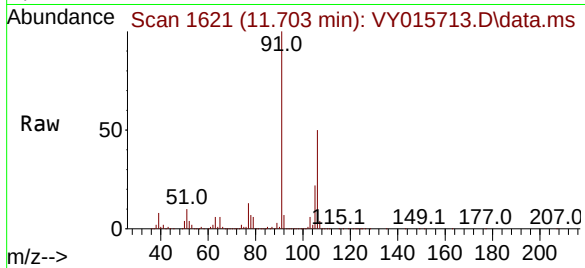
#68
m/p-Xylenes
Concen: 98.567 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049

Tgt Ion:106 Resp: 311570
Ion Ratio Lower Upper
106 100
91 200.9 166.1 249.1

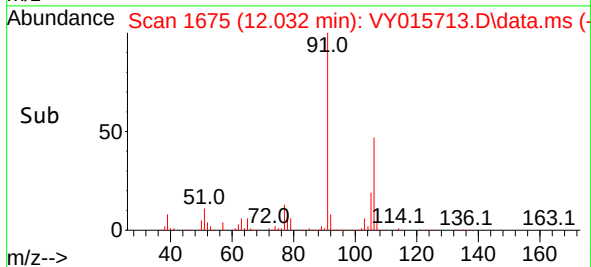
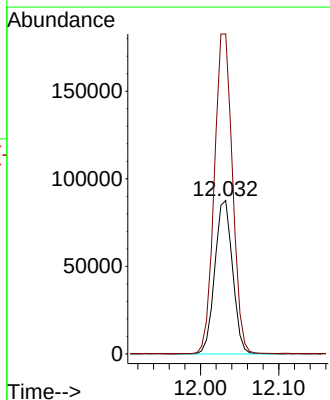
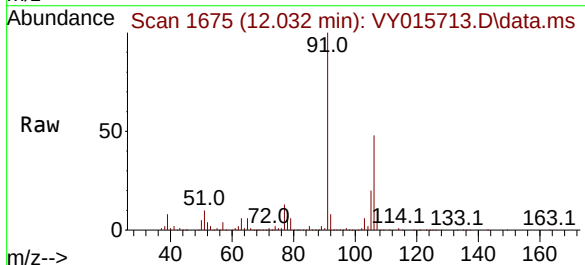
Manual Integrations
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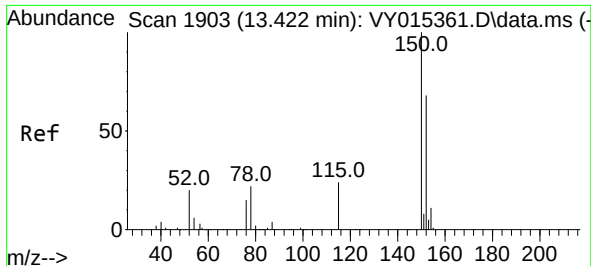
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#69
o-Xylene
Concen: 44.599 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

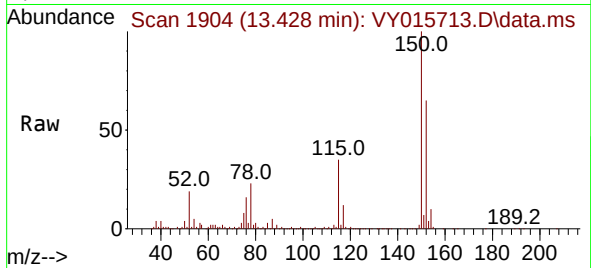
Tgt Ion:106 Resp: 138237
Ion Ratio Lower Upper
106 100
91 213.3 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

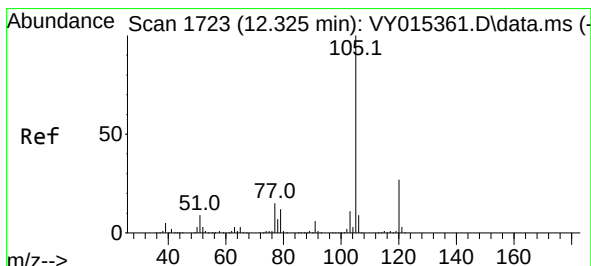
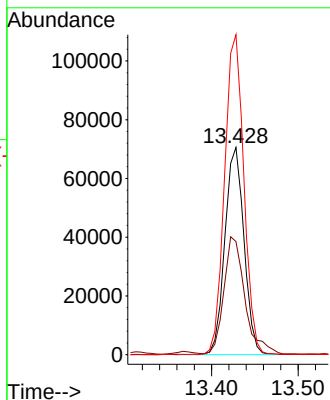
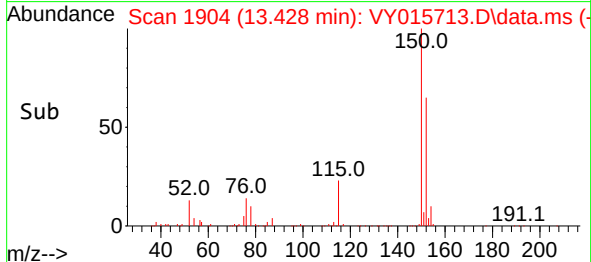
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



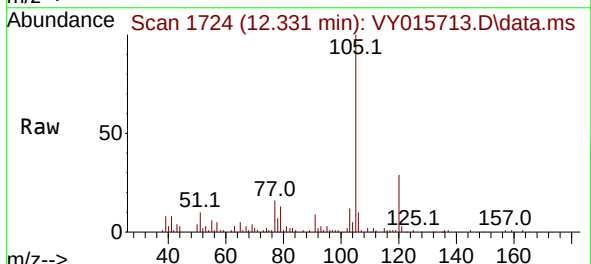
Tgt Ion:152 Resp: 108250
Ion Ratio Lower Upper
152 100
115 62.1 28.8 86.5
150 155.2 0.0 348.8

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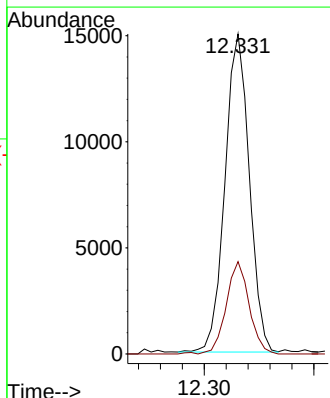
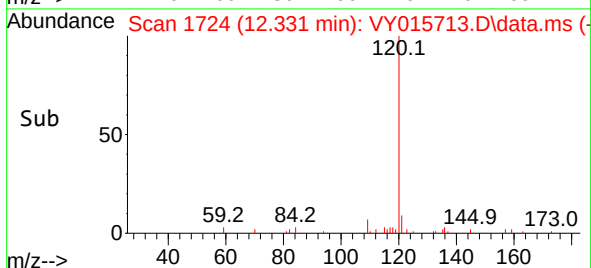
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

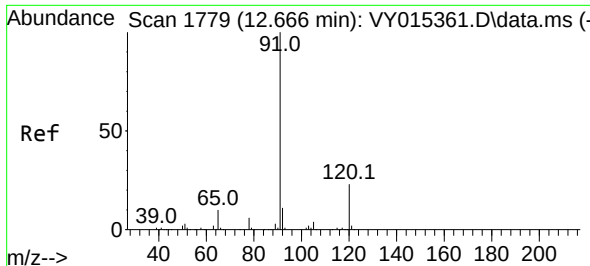


#73
Isopropylbenzene
Concen: 2.843 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09



Tgt Ion:105 Resp: 23089
Ion Ratio Lower Upper
105 100
120 27.4 13.3 39.9





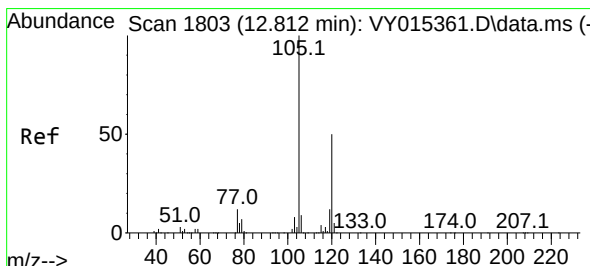
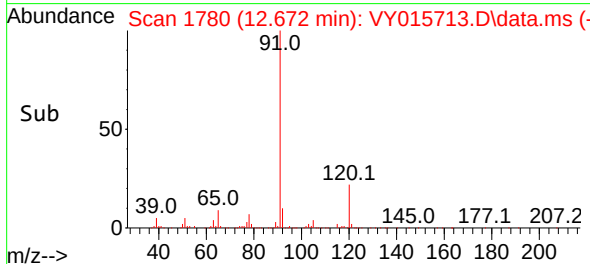
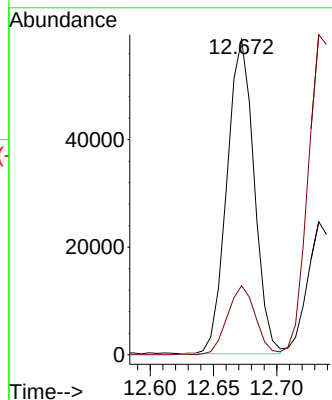
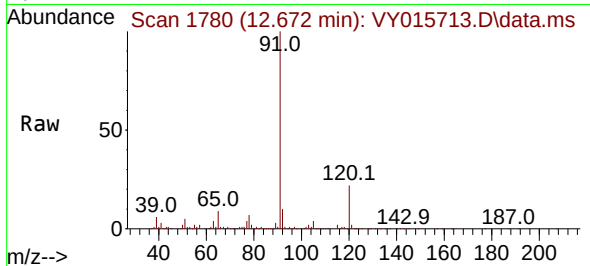
#78
n-propylbenzene
Concen: 8.873 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049

Tgt Ion: 91 Resp: 8754
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4

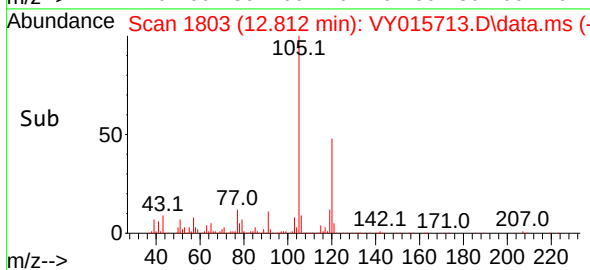
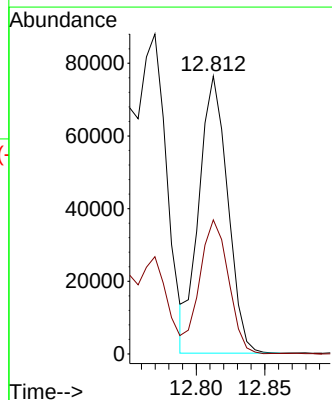
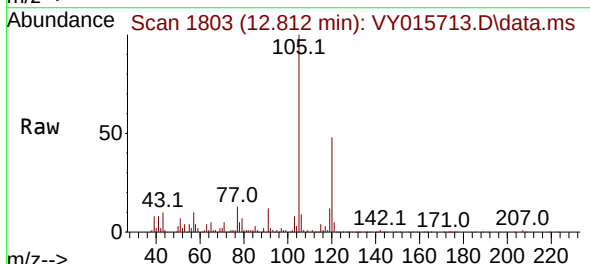
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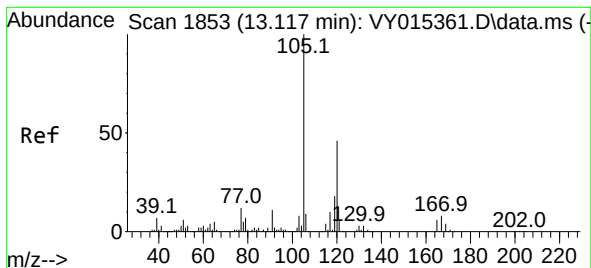
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023



#80
1,3,5-Trimethylbenzene
Concen: 16.326 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Tgt Ion:105 Resp: 110995
Ion Ratio Lower Upper
105 100
120 48.5 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 71.802 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015713.D

Acq: 26 Sep 2023 17:09

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1049

Tgt Ion:105 Resp: 488438

Ion Ratio Lower Upper

105 100

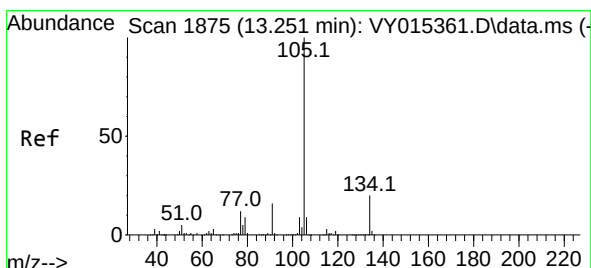
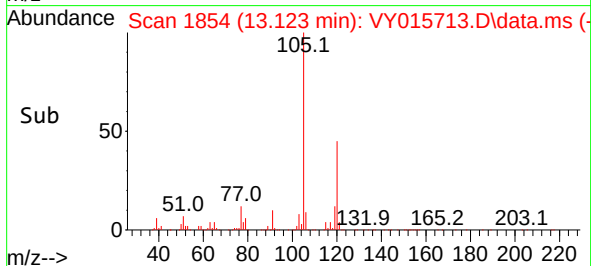
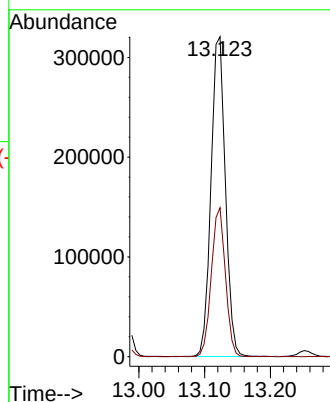
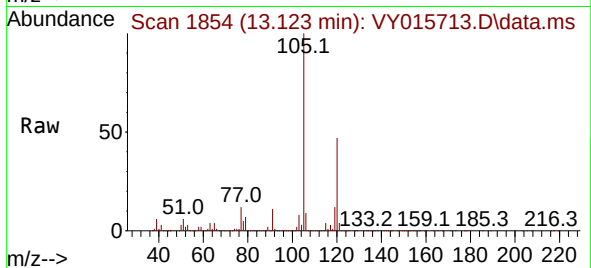
120 45.5 22.2 66.6

Manual Integrations

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Reviewed By :John Carlone 09/27/2023

Supervised By :Mahesh Dadoda 09/27/2023



#85

sec-Butylbenzene

Concen: 1.039 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015713.D

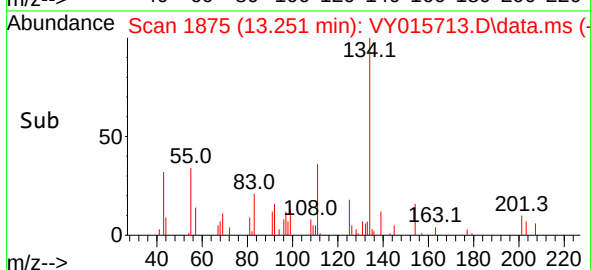
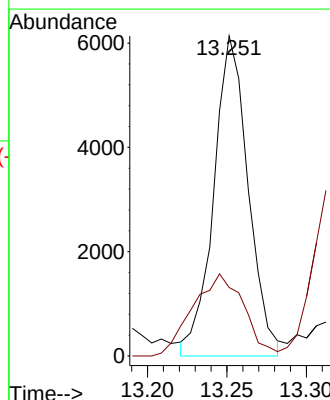
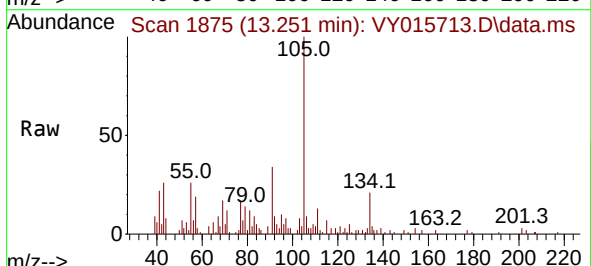
Acq: 26 Sep 2023 17:09

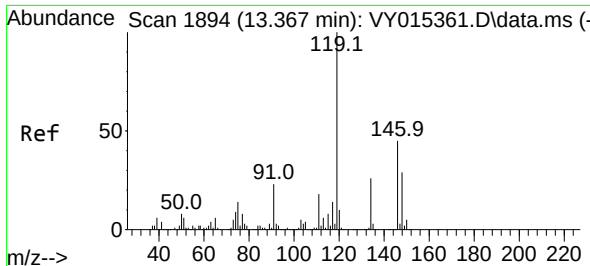
Tgt Ion:105 Resp: 9262

Ion Ratio Lower Upper

105 100

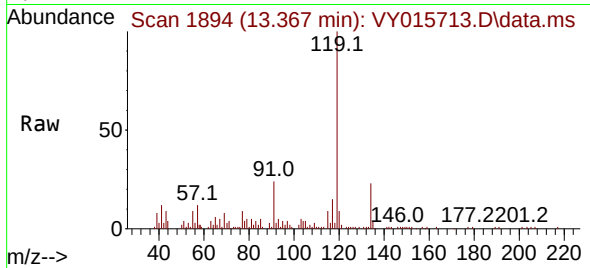
134 0.0 10.2 30.6#





#86
p-Isopropyltoluene
Concen: 2.273 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

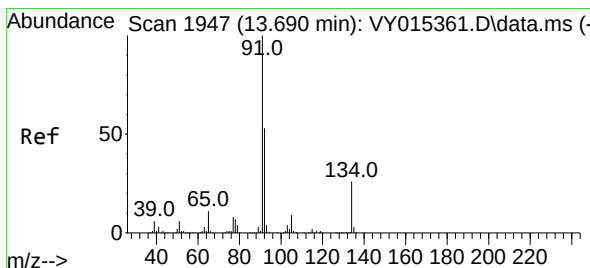
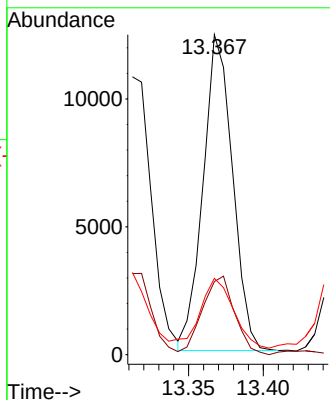
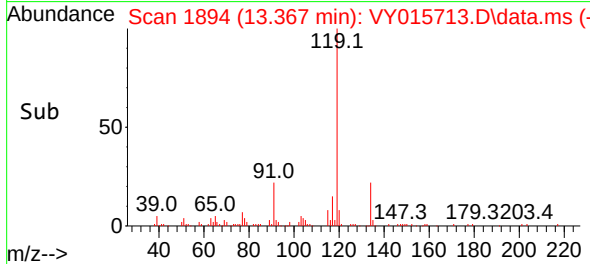
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



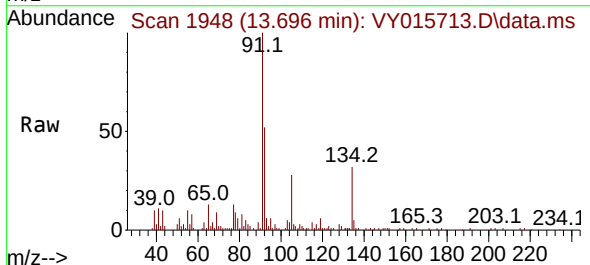
Tgt Ion: 119 Resp: 16920
Ion Ratio Lower Upper
119 100
134 27.1 13.3 39.8
91 25.0 12.4 37.4

Manual Integrations
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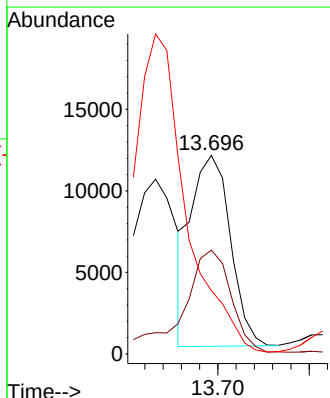
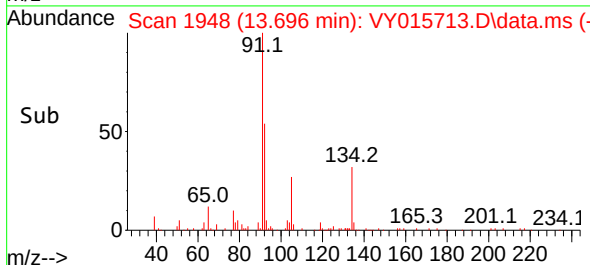
Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

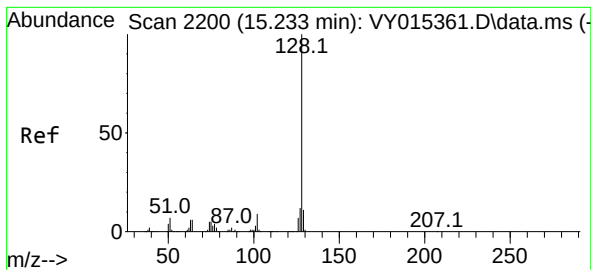


#89
n-Butylbenzene
Concen: 2.484 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09



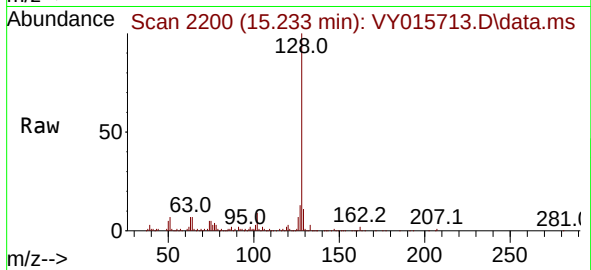
Tgt Ion: 91 Resp: 17506
Ion Ratio Lower Upper
91 100
92 65.8 25.4 76.0
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 16.292 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015713.D
Acq: 26 Sep 2023 17:09

Instrument :
MSVOA_Y
ClientSampleId :
AUD-1049



Tgt Ion:128 Resp: 97634
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 11.0 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 09/27/2023
Supervised By :Mahesh Dadoda 09/27/2023

