

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023339.D
 Acq On : 10 Nov 2021 18:03
 Operator : SY/MD
 Sample : M4558-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB872

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Mahesh Dadoda 11/11/2021

Quant Time: Nov 11 00:44:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	144426	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	135163	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70211	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	26220	2.898	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.000%
7) Chloroethane-d5	1.568	69	27164	3.684	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.600%
11) 1,1-Dichloroethene-d2	2.108	63	39712	2.345	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	46.800%#
20) 2-Butanone-d5	3.896	46	96348	61.811	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.620%
24) Chloroform-d	4.355	84	81231	4.213	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.043	65	39701	4.579	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.059	84	150491	4.339	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.072	67	48413	4.742	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.317	98	131853	4.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	7.625	79	15440	3.989	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.088	63	85391	59.955	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.900%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35775	4.873	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	53357	4.564	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	27057	2.263	ug/L	99
8) Chloroethane	1.587	64	3657	0.530	ug/L	99
13) Acetone	2.182	43	6777m	7.115	ug/L	
18) trans-1,2-Dichloroethene	2.764	96	6943	0.656	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	554586	54.429	ug/L #	93
30) Cyclohexane	4.680	56	1377148	93.621	ug/L	99
33) Benzene	5.098	78	30912325m	818.254	ug/L	
34) Trichloroethene	5.921	95	12132	1.208	ug/L	97
35) Methylcyclohexane	6.130	83	329838	20.801	ug/L	90
42) Toluene	7.391	91	175900	4.353	ug/L	98
52) Ethylbenzene	9.014	91	235998	5.538	ug/L	98
53) m,p-xylene	9.143	106	113468	6.784	ug/L	95
54) o-xylene	9.548	106	2827	0.180	ug/L	78
60) Isopropylbenzene	9.931	105	517413	12.842	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	11493m	0.344	ug/L	
63) 1,2,4-Trimethylbenzene	10.915	105	54215	1.630	ug/L	100

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

Instrument :

MSVOA_V

ClientSampleId :

GB872

Manual Integrations

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Supervised By :Mahesh Dadoda 11/11/2021

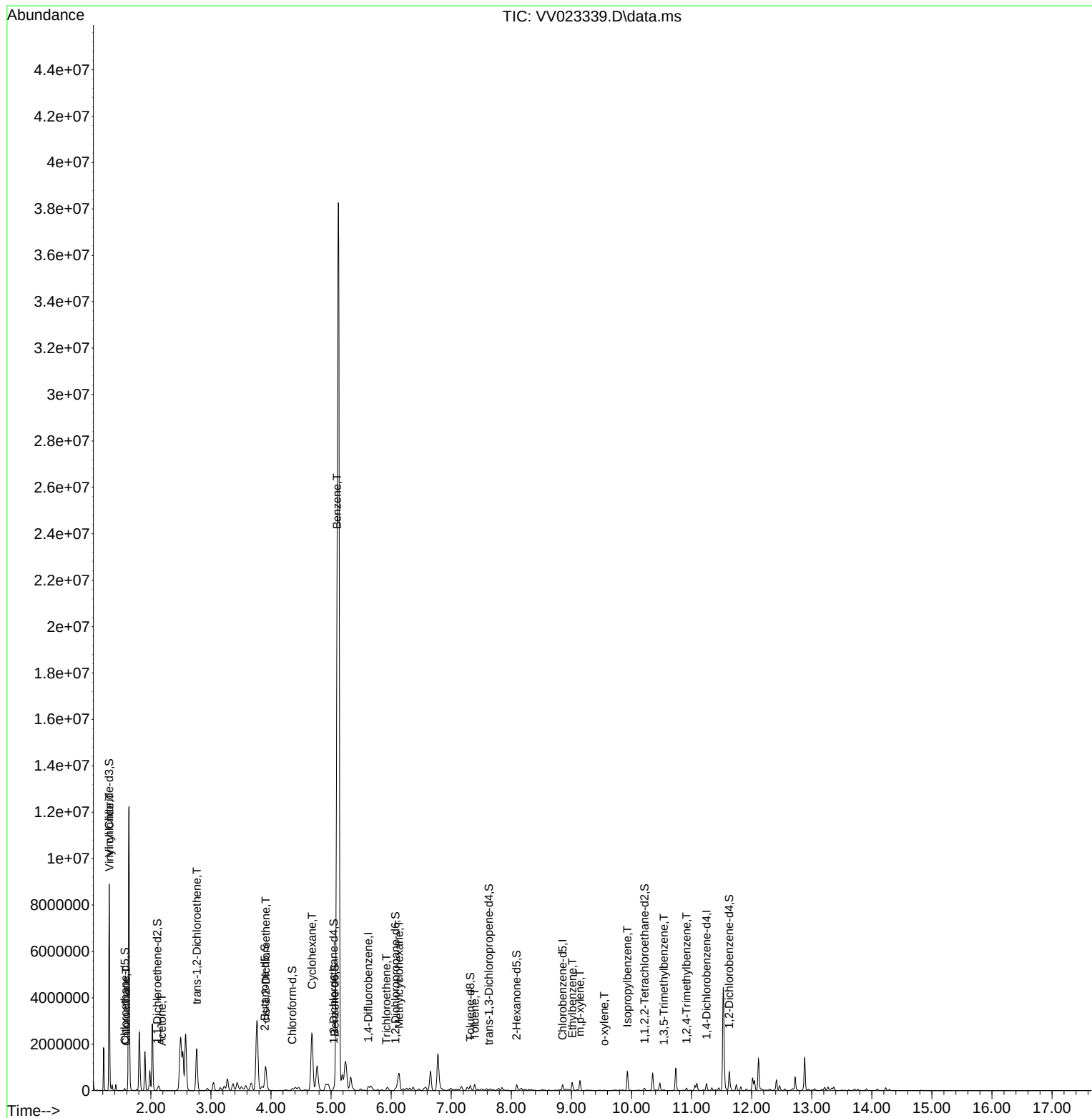
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110921\
Data File : VV023339.D
Acq On : 10 Nov 2021 18:03
Operator : SY/MD
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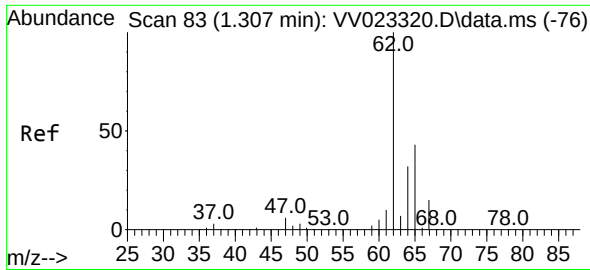
Instrument :
MSVOA_V
ClientSampleId :
GB872

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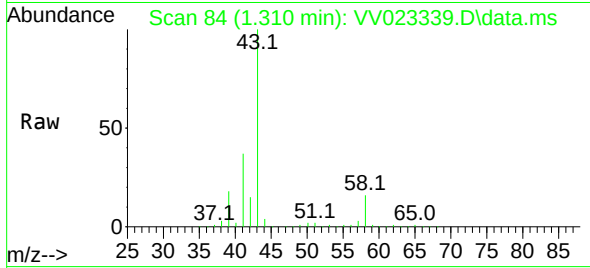
Quant Time: Nov 11 00:44:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 11 00:38:57 2021
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 2.263 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023339.D
 Acq: 10 Nov 2021 18:03

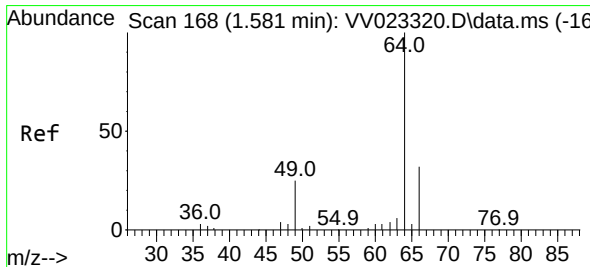
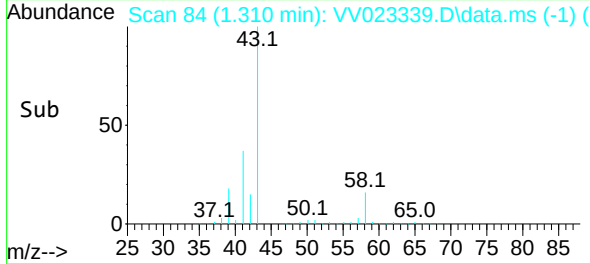
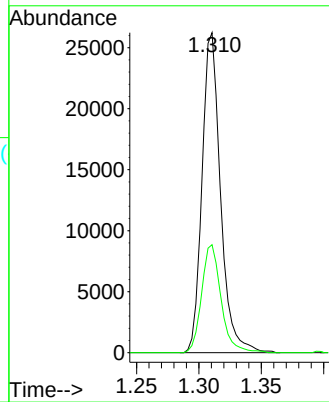
Instrument :
 MSVOA_V
 ClientSampleId :
 GB872



Tgt Ion: 62 Resp: 2705
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.1 42.9

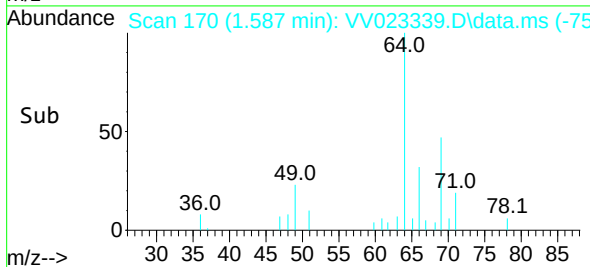
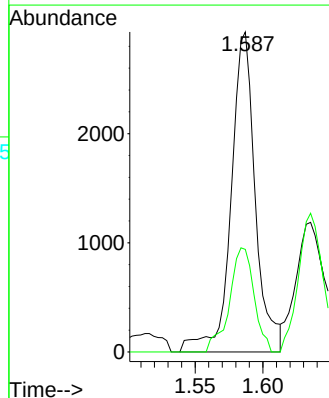
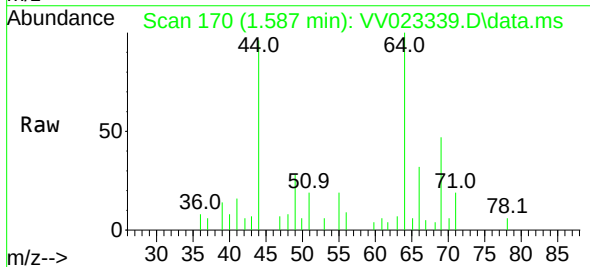
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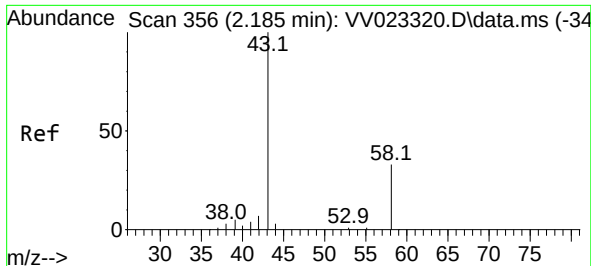
Reviewed By :John Carlone 11/11/2021
 Supervised By :Mahesh Dadoda 11/11/2021



#8
 Chloroethane
 Concen: 0.530 ug/L
 RT: 1.587 min Scan# 170
 Delta R.T. 0.006 min
 Lab File: VV023339.D
 Acq: 10 Nov 2021 18:03

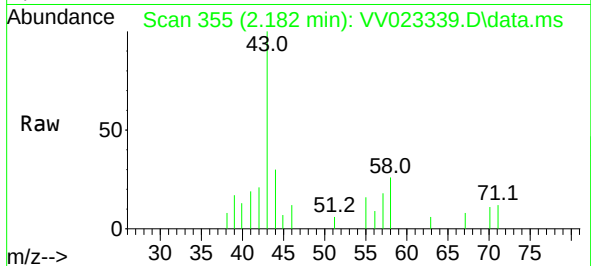
Tgt Ion: 64 Resp: 3657
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.1 41.1





#13
Acetone
Concen: 7.115 ug/L m
RT: 2.182 min Scan# 356
Delta R.T. -0.003 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

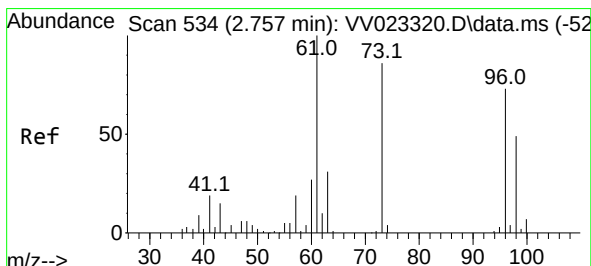
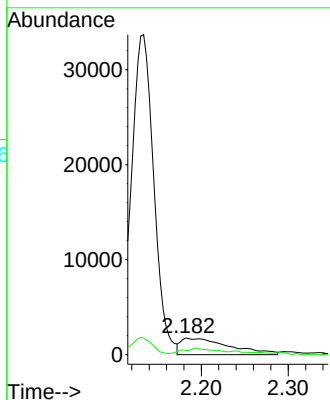
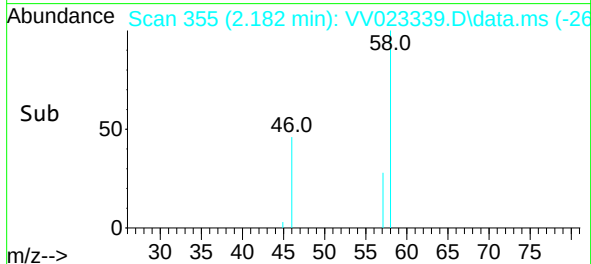
Instrument :
MSVOA_V
ClientSampleId :
GB872



Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 45.7 0.0 55.4

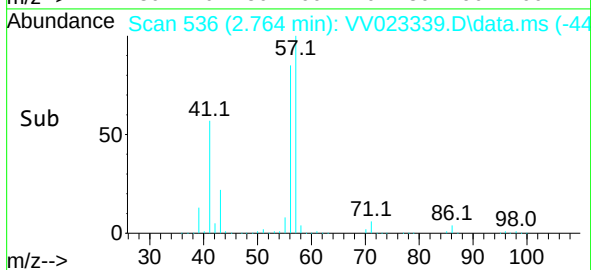
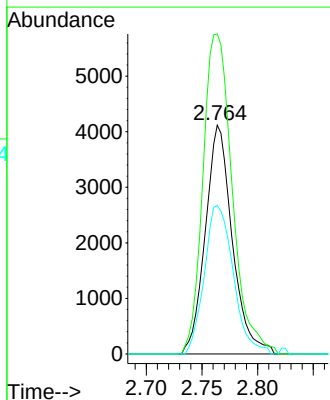
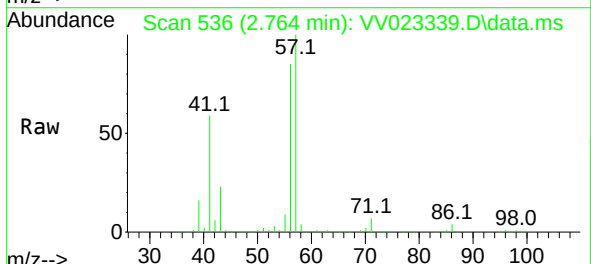
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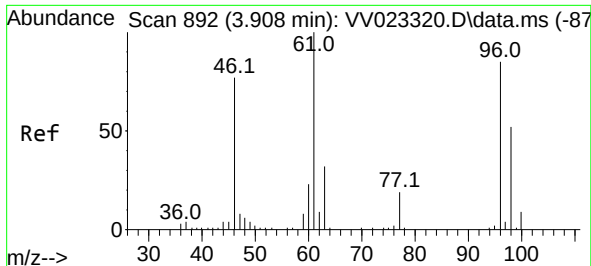
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#18
trans-1,2-Dichloroethene
Concen: 0.656 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Tgt Ion: 96 Resp: 6943
Ion Ratio Lower Upper
96 100
61 139.9 93.2 173.2
98 64.9 47.0 87.2





#22

cis-1,2-Dichloroethene

Concen: 54.429 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.003 min

Lab File: VV023339.D

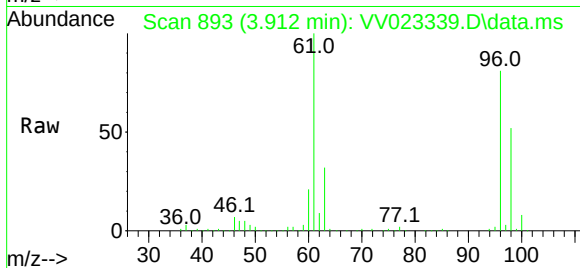
Acq: 10 Nov 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

GB872



Tgt Ion: 96 Resp: 554580

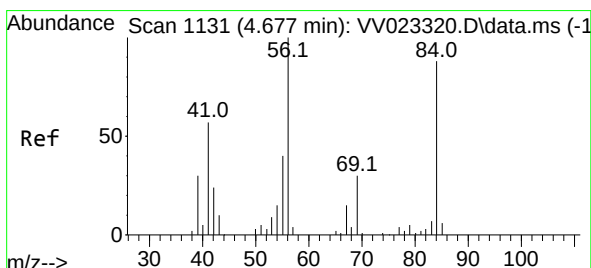
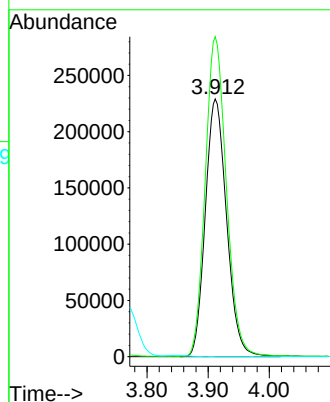
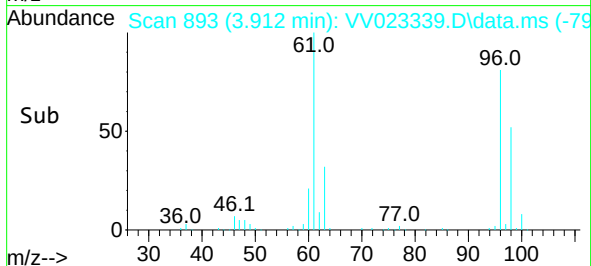
Ion	Ratio	Lower	Upper
96	100		
61	124.1	92.3	171.3
68	0.0	0.4	0.8

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Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#30

Cyclohexane

Concen: 93.621 ug/L

RT: 4.680 min Scan# 1132

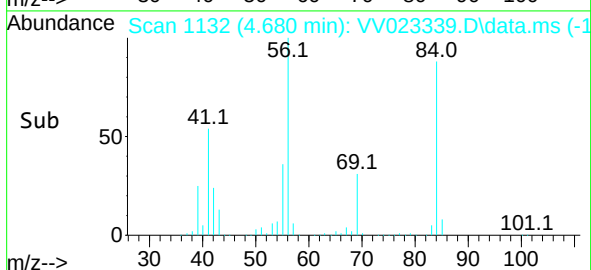
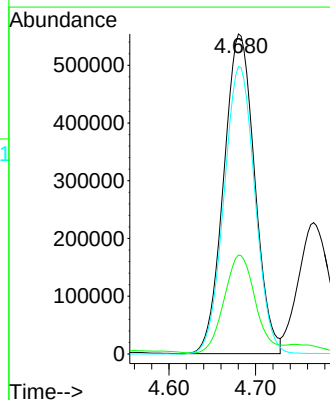
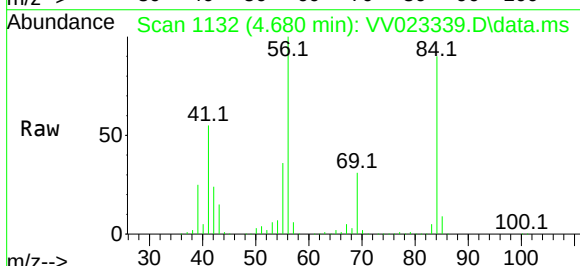
Delta R.T. 0.003 min

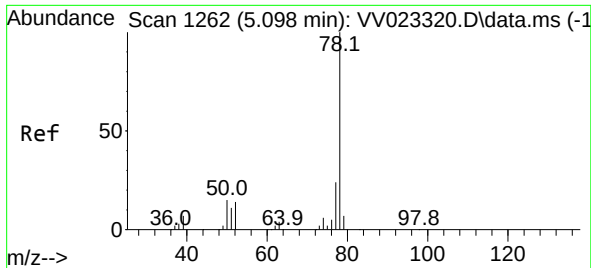
Lab File: VV023339.D

Acq: 10 Nov 2021 18:03

Tgt Ion: 56 Resp: 1377148

Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.5	35.3
84	90.1	71.6	107.4





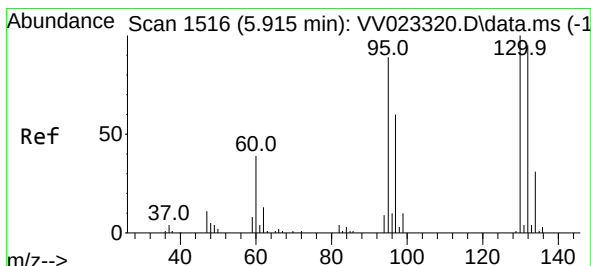
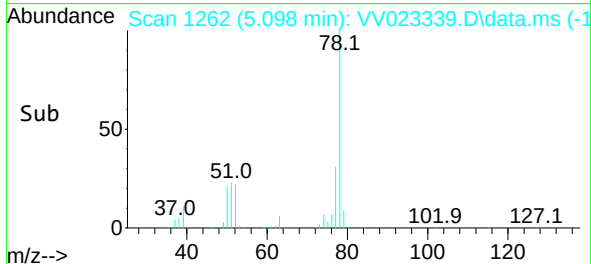
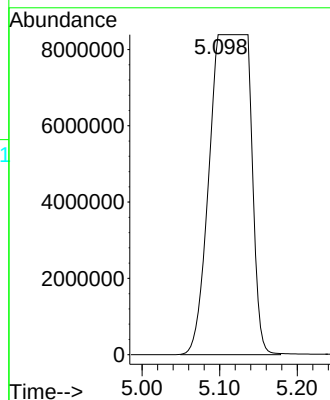
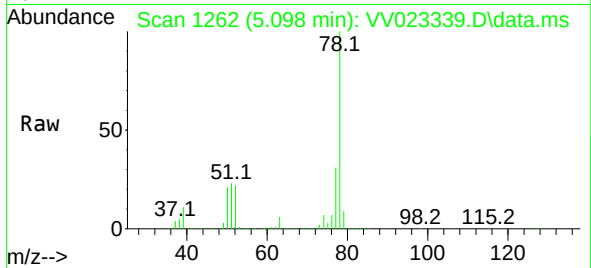
#33
Benzene
Concen: 818.254 ug/L m
RT: 5.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Instrument :
MSVOA_V
ClientSampleId :
GB872

Tgt Ion: 78 Resp:3091232

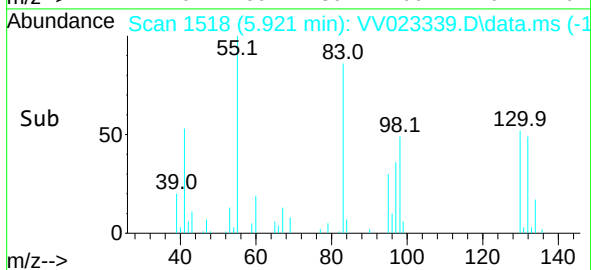
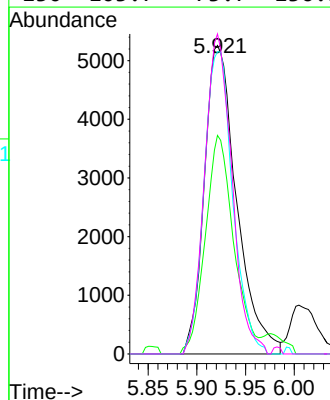
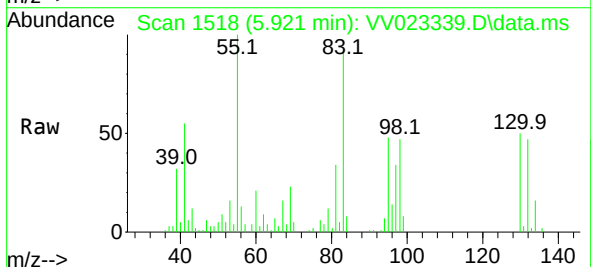
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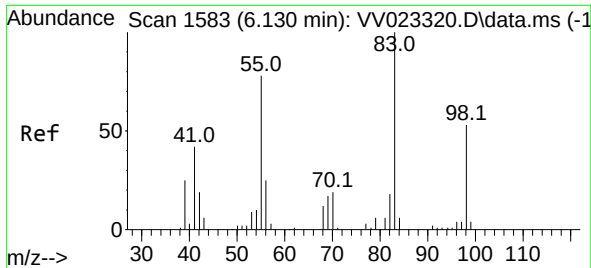
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#34
Trichloroethene
Concen: 1.208 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Tgt Ion: 95 Resp: 12132
Ion Ratio Lower Upper
95 100
97 70.9 45.0 83.6
132 97.9 69.7 129.4
130 103.7 73.7 136.9





#35

Methylcyclohexane

Concen: 20.801 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV023339.D

Acq: 10 Nov 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

GB872

Tgt Ion: 83 Resp: 329838

Ion Ratio Lower Upper

83 100

55 92.2 62.8 94.2

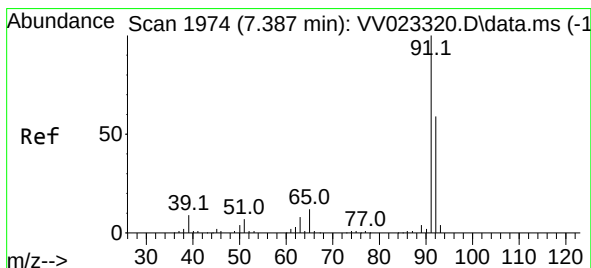
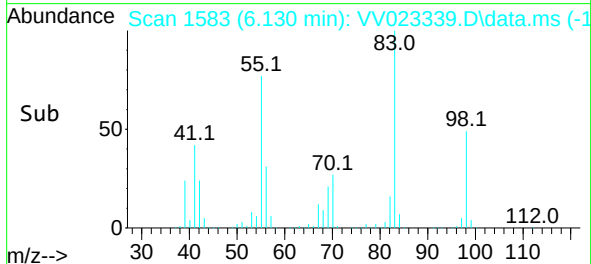
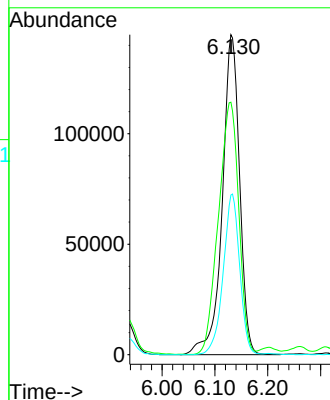
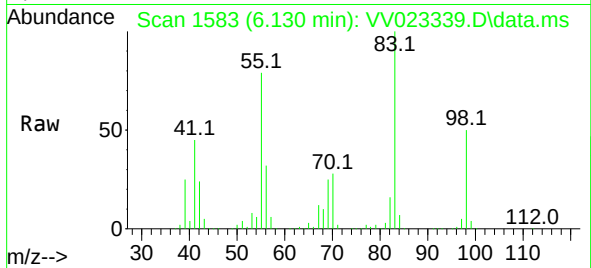
98 47.8 37.9 56.9

Manual Integrations

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Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#42

Toluene

Concen: 4.353 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV023339.D

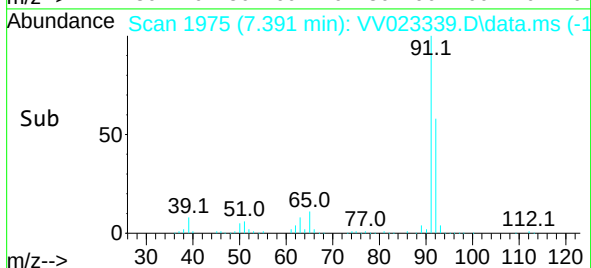
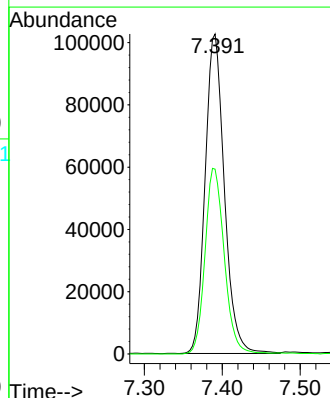
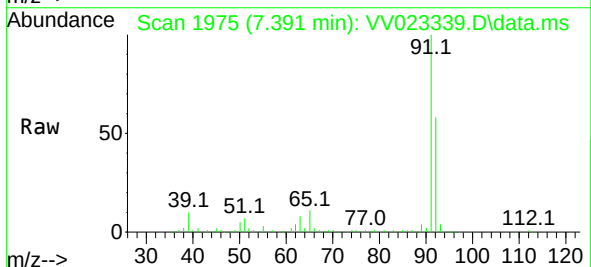
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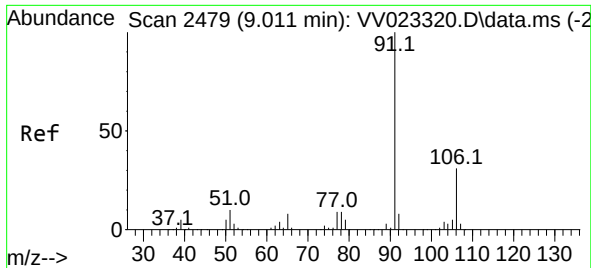
Tgt Ion: 91 Resp: 175900

Ion Ratio Lower Upper

91 100

92 57.7 39.3 72.9





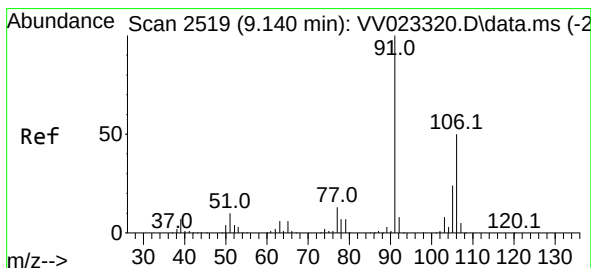
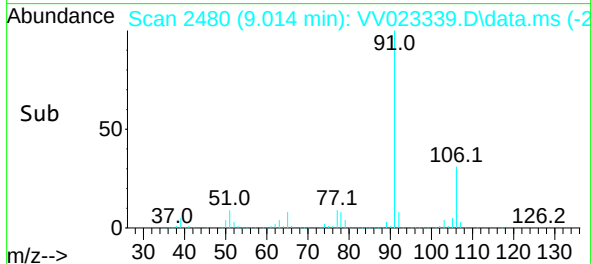
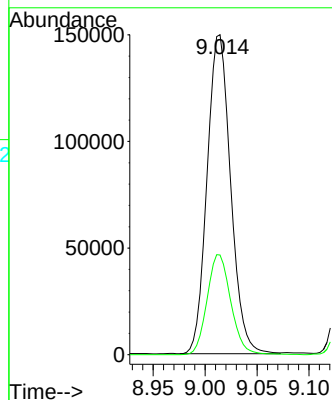
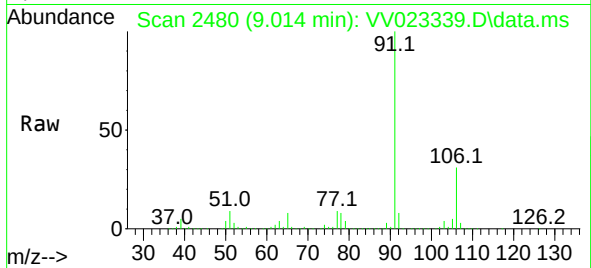
#52
Ethylbenzene
Concen: 5.538 ug/L
RT: 9.014 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Instrument :
MSVOA_V
ClientSampleId :
GB872

Tgt Ion: 91 Resp: 235998
Ion Ratio Lower Upper
91 100
106 31.2 22.5 41.9

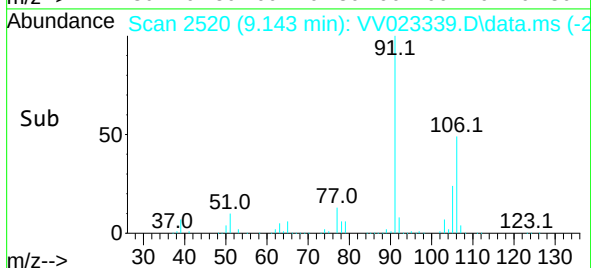
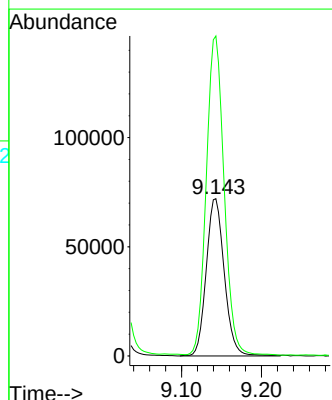
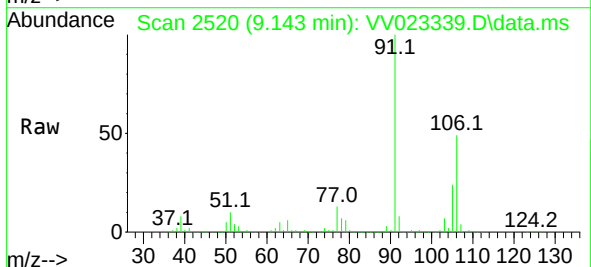
Manual Integrations
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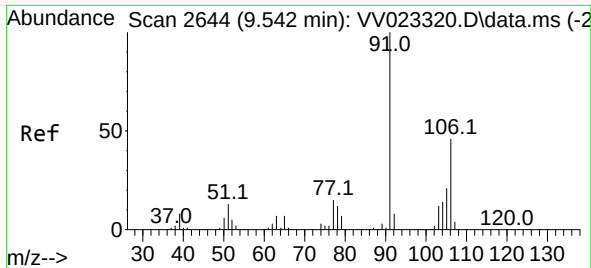
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#53
m,p-xylene
Concen: 6.784 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Tgt Ion:106 Resp: 113468
Ion Ratio Lower Upper
106 100
91 203.4 137.2 254.8





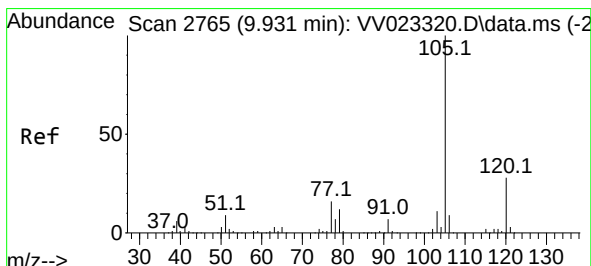
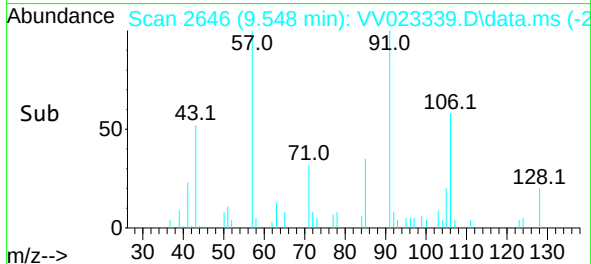
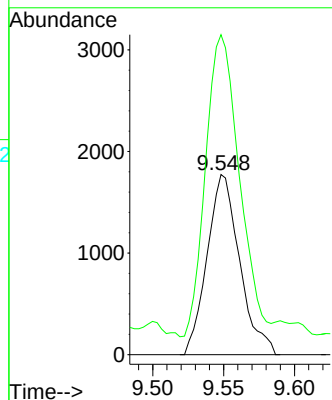
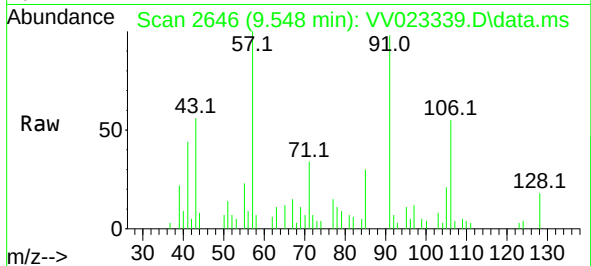
#54
o-xylene
Concen: 0.180 ug/L
RT: 9.548 min Scan# 20
Delta R.T. 0.006 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Instrument :
MSVOA_V
ClientSampleId :
GB872

Tgt Ion:106 Resp: 282
Ion Ratio Lower Upper
106 100
91 177.7 148.3 275.5

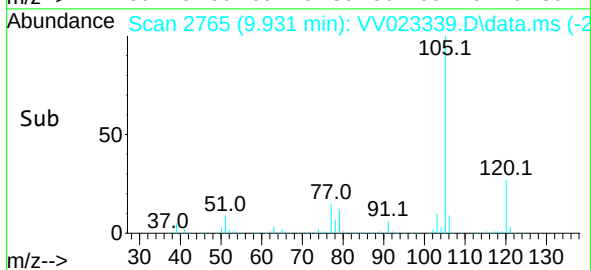
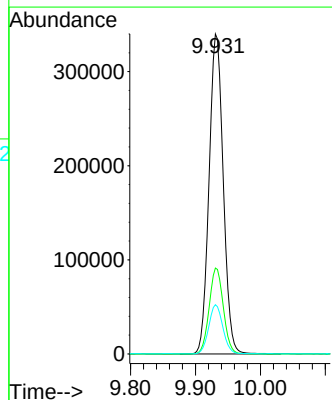
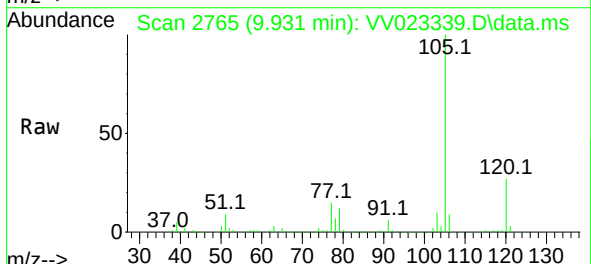
Manual Integrations
APPROVED

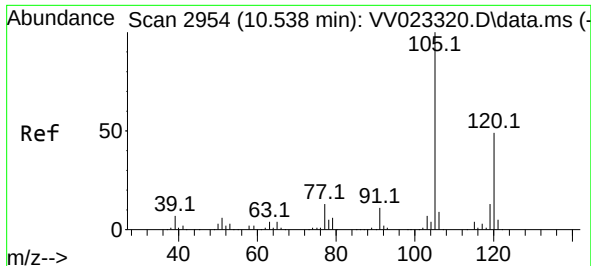
Reviewed By :John Carlone 11/11/2021
Supervised By :Mahesh Dadoda 11/11/2021



#60
Isopropylbenzene
Concen: 12.842 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV023339.D
Acq: 10 Nov 2021 18:03

Tgt Ion:105 Resp: 517413
Ion Ratio Lower Upper
105 100
120 26.7 21.7 32.5
77 15.3 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 0.344 ug/L m

RT: 10.542 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV023339.D

Acq: 10 Nov 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

GB872

Tgt Ion:105 Resp: 1149

Ion Ratio Lower Upper

105 100

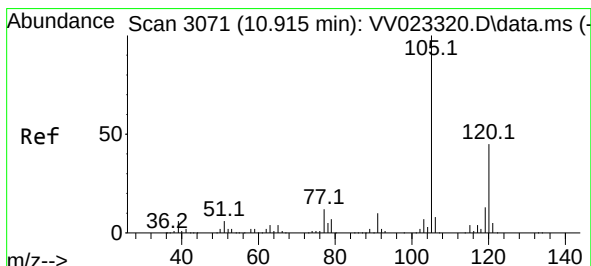
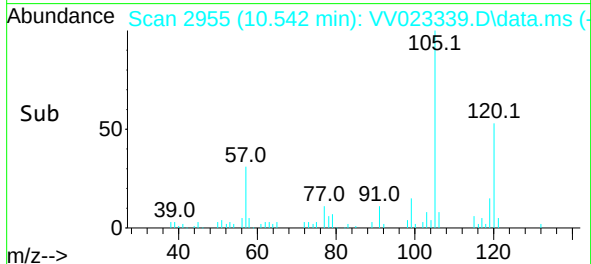
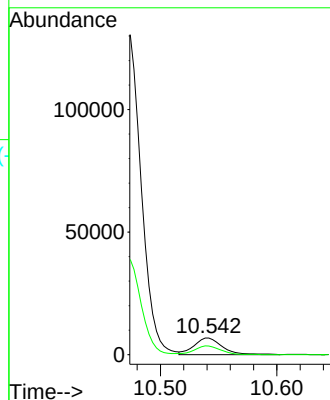
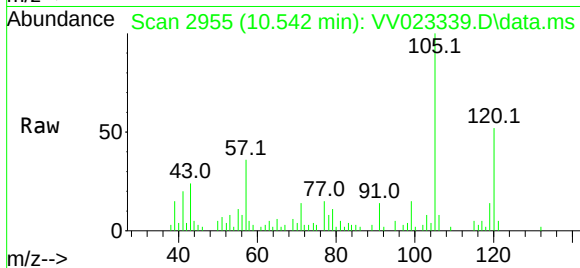
120 220.7 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/11/2021

Supervised By :Mahesh Dadoda 11/11/2021



#63

1,2,4-Trimethylbenzene

Concen: 1.630 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023339.D

Acq: 10 Nov 2021 18:03

Tgt Ion:105 Resp: 54215

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2

