

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010422\
 Data File : VX026308.D
 Acq On : 05 Jan 2022 06:29
 Operator : JC/MD
 Sample : N1005-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MAHW-SB

Quant Time: Jan 05 07:15:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/05/2022
 Supervised By : Mahesh Dadoda 01/05/2022

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	152346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	252410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	216726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.073	152	61186	50.000	ug/l	0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106564	48.350	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.700%		
35) Dibromofluoromethane	5.397	113	80620	49.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.260%		
50) Toluene-d8	8.653	98	294981	48.327	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.660%		
62) 4-Bromofluorobenzene	11.091	95	113692	52.322	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.640%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	334618	760.131	ug/l #	94
13) Acrolein	2.252	56	2554	16.225	ug/l #	75
16) Acetone	2.380	43	1286906	1077.667	ug/l	96
18) Methyl Acetate	2.703	43	132482	34.203	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	19181	3.255	ug/l	98
20) Methylene Chloride	2.794	84	9133	3.912	ug/l	93
25) 2-Butanone	4.562	43	445035	267.536	ug/l	98
43) Isopropyl Acetate	6.354	43	67537m	13.503	ug/l	
49) 1,4-Dioxane	7.684	88	58833	1330.902	ug/l #	63
51) 4-Methyl-2-Pentanone	8.580	43	73693m	23.676	ug/l	
52) Toluene	8.720	92	64559	13.883	ug/l	100
59) 2-Hexanone	9.445	43	25810m	10.947	ug/l	
67) Ethyl Benzene	10.201	91	55763	6.550	ug/l	97
68) m/p-Xylenes	10.305	106	120054	37.770	ug/l	94
69) o-Xylene	10.652	106	60820	19.556	ug/l	94
73) Isopropylbenzene	10.969	105	8837	1.858	ug/l	99
78) n-propylbenzene	11.311	91	69264	12.667	ug/l #	62
80) 1,3,5-Trimethylbenzene	11.469	105	51592	13.072	ug/l	96
84) 1,2,4-Trimethylbenzene	11.774	105	181962	46.140	ug/l	86

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

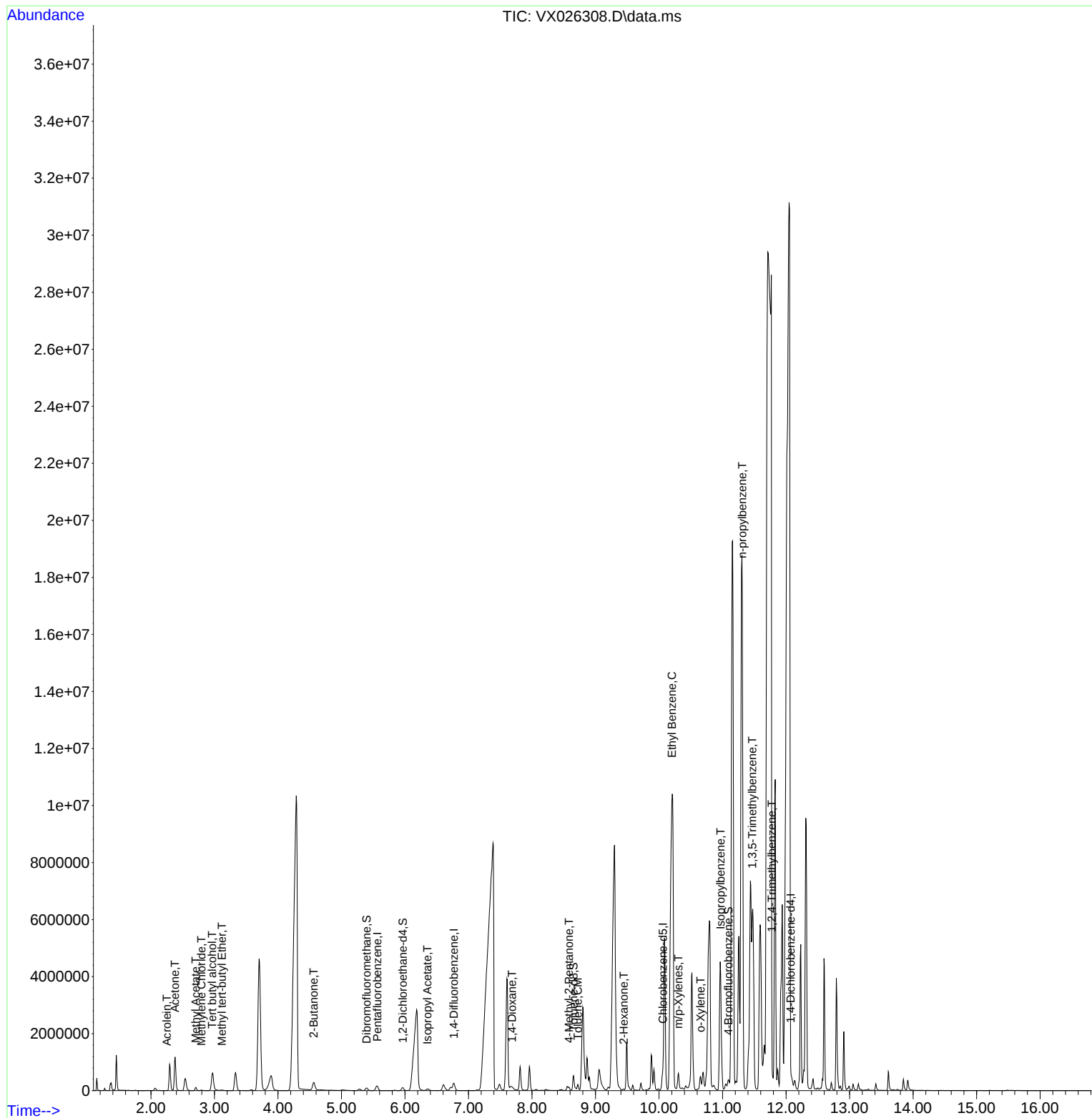
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010422\
Data File : VX026308.D
Acq On : 05 Jan 2022 06:29
Operator : JC/MD
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ALS Vial : 49 Sample Multiplier: 1

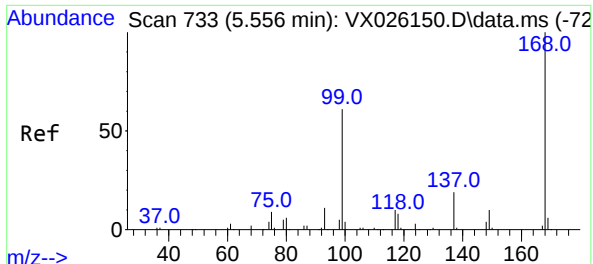
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB

Quant Time: Jan 05 07:15:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration

Manual Integrations
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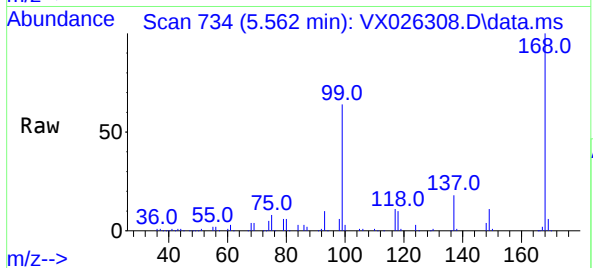
Reviewed By : John Carlone 01/05/2022
Supervised By : Mahesh Dadoda 01/05/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

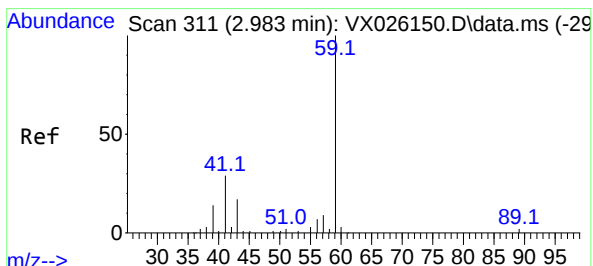
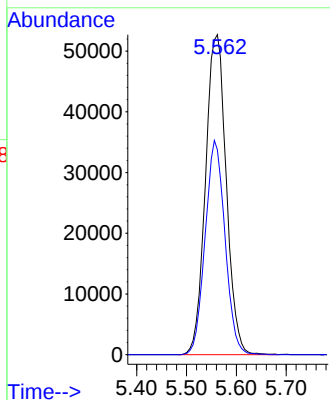
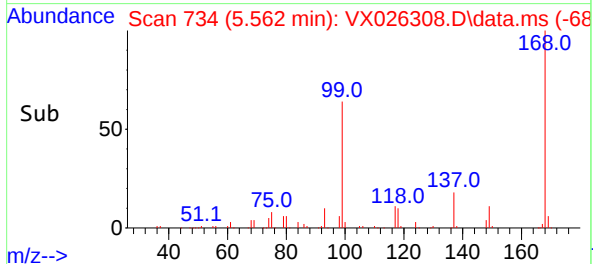
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB



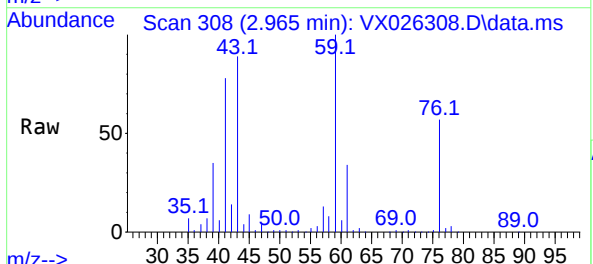
Tgt Ion:168 Resp: 152340
Ion Ratio Lower Upper
168 100
99 64.0 45.8 68.8

Manual Integrations
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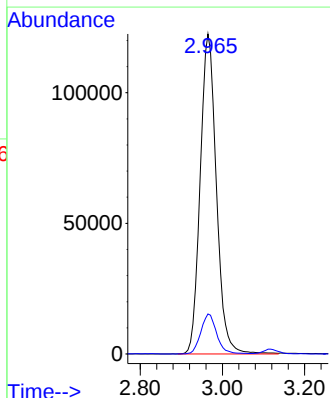
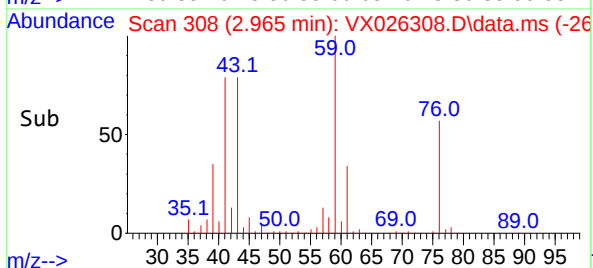
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

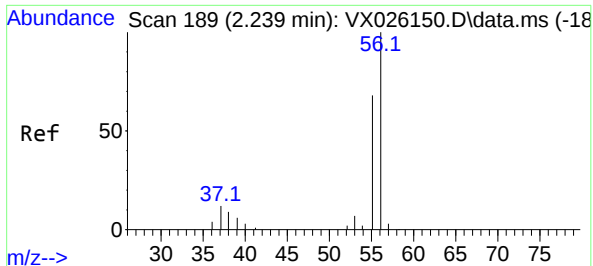


#11
Tert butyl alcohol
Concen: 760.131 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29



Tgt Ion: 59 Resp: 334618
Ion Ratio Lower Upper
59 100
57 12.3 8.2 12.2#





#13

Acrolein

Concen: 16.225 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Instrument :

MSVOA_X

ClientSampleId :

MAHW-SB

Tgt Ion: 56 Resp: 2554

Ion Ratio Lower Upper

56 100

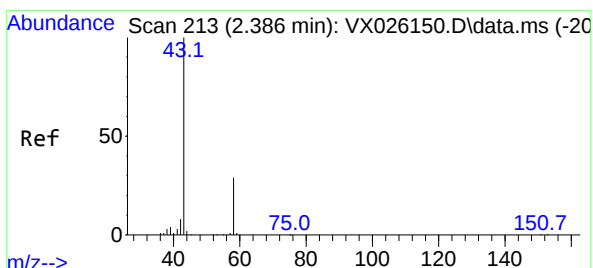
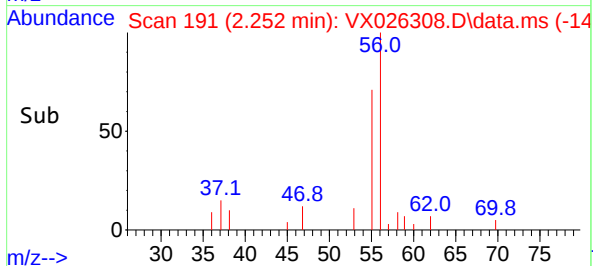
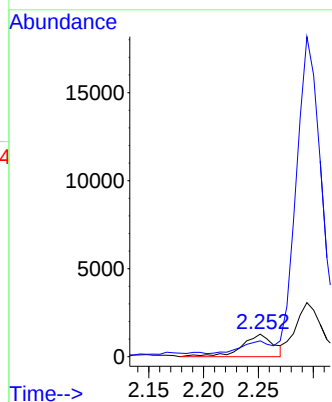
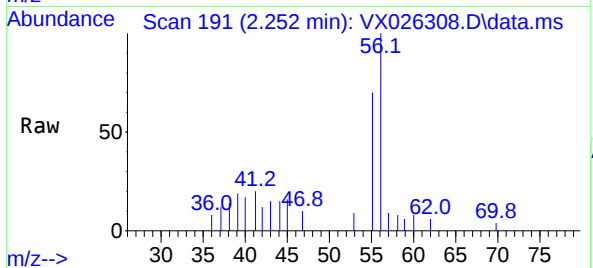
55 51.4 57.4 86.2

Manual Integrations

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Supervised By :Mahesh Dadoda 01/05/2022



#16

Acetone

Concen: 1077.667 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX026308.D

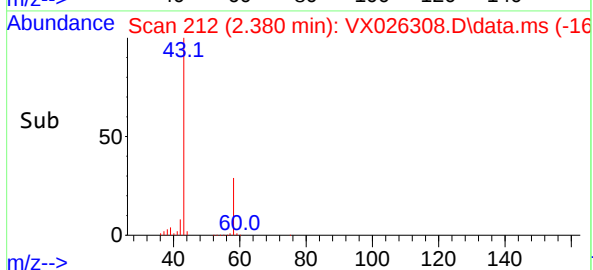
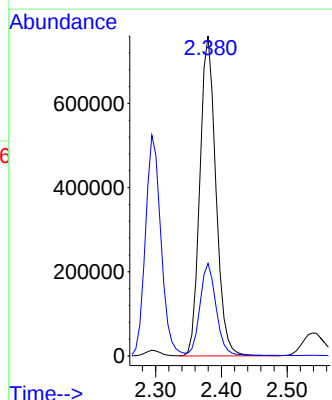
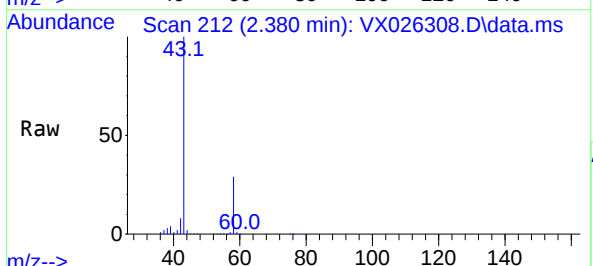
Acq: 05 Jan 2022 06:29

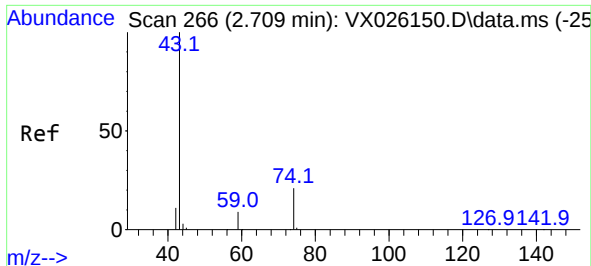
Tgt Ion: 43 Resp: 1286906

Ion Ratio Lower Upper

43 100

58 28.8 24.8 37.2





#18

Methyl Acetate

Concen: 34.203 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Instrument :

MSVOA_X

ClientSampleId :

MAHW-SB

Tgt Ion: 43 Resp: 13248

Ion Ratio Lower Upper

43 100

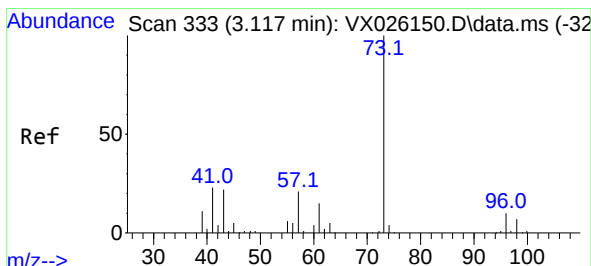
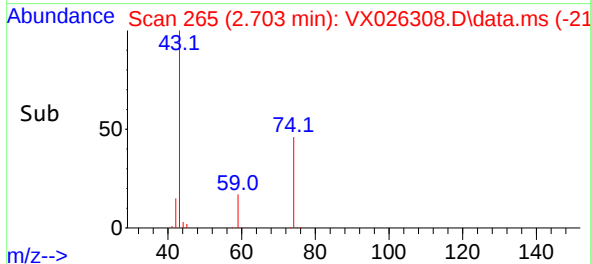
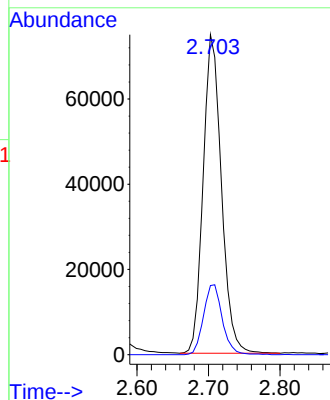
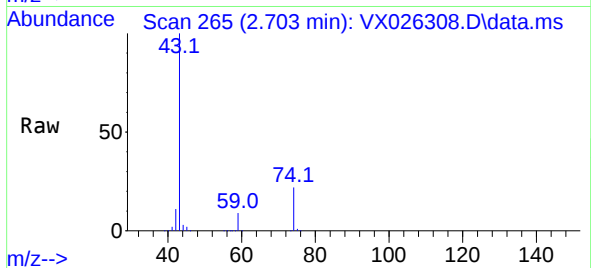
74 22.6 19.1 28.7

Manual Integrations

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Reviewed By :John Carlone 01/05/2022

Supervised By :Mahesh Dadoda 01/05/2022



#19

Methyl tert-butyl Ether

Concen: 3.255 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX026308.D

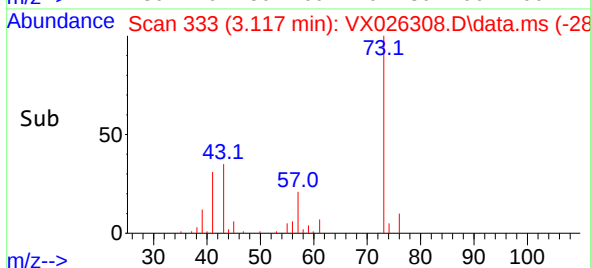
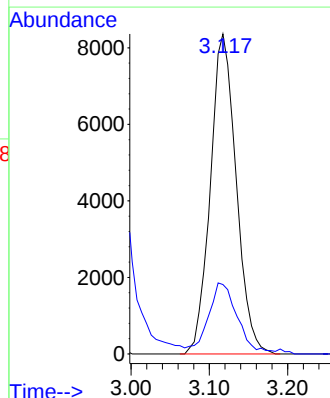
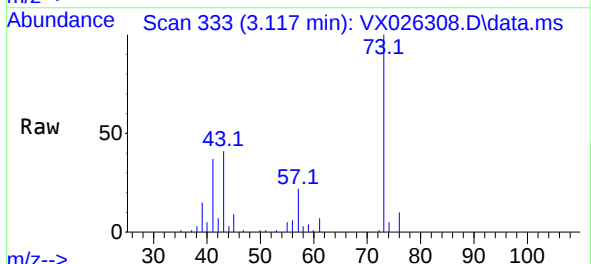
Acq: 05 Jan 2022 06:29

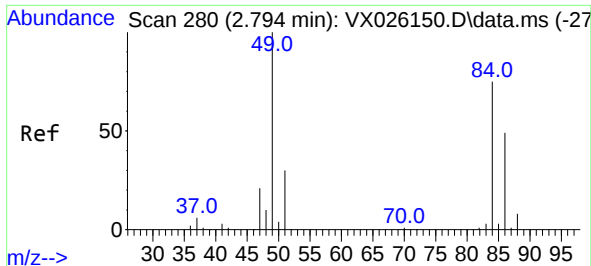
Tgt Ion: 73 Resp: 19181

Ion Ratio Lower Upper

73 100

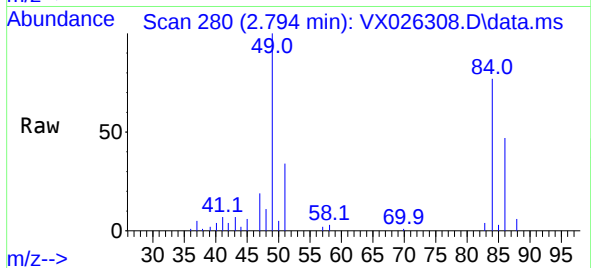
57 20.2 17.0 25.6





#20
Methylene Chloride
Concen: 3.912 ug/l
RT: 2.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

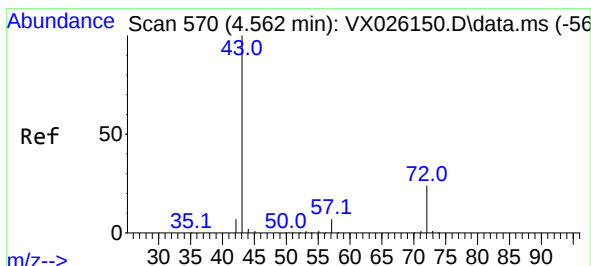
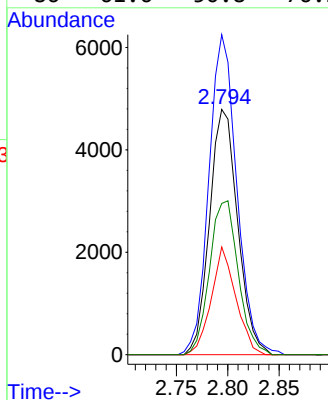
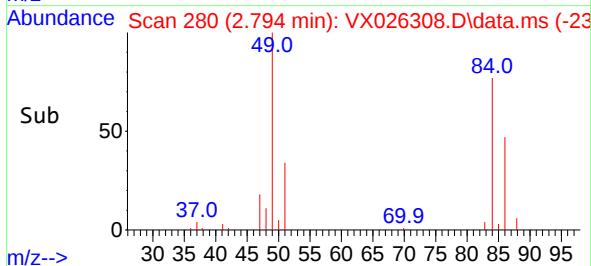
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB



Tgt Ion: 84 Resp: 913
Ion Ratio Lower Upper
84 100
49 130.4 97.1 145.7
51 43.9 29.3 43.9
86 61.6 50.8 76.2

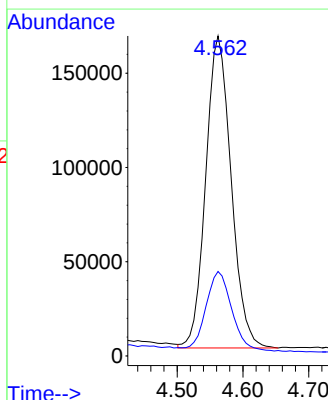
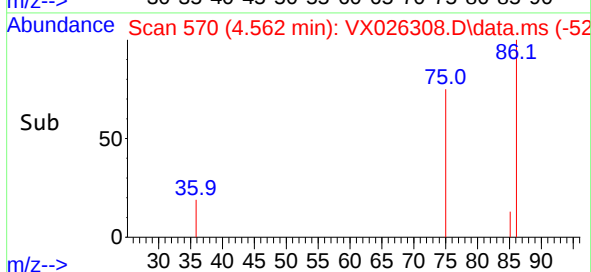
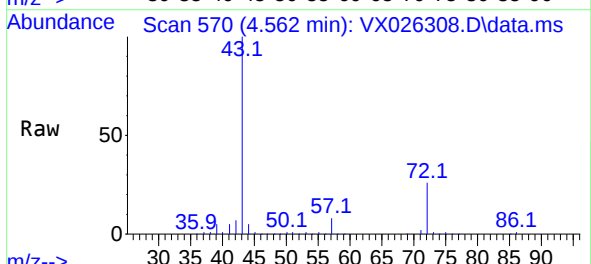
Manual Integrations
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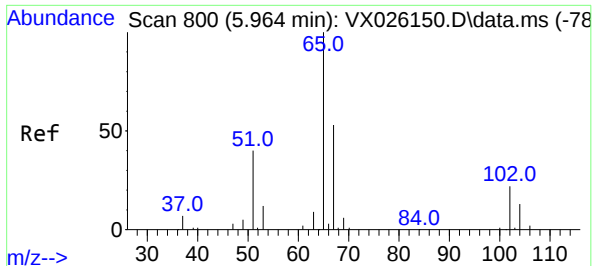
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#25
2-Butanone
Concen: 267.536 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

Tgt Ion: 43 Resp: 445035
Ion Ratio Lower Upper
43 100
72 25.3 21.0 31.4





#33

1,2-Dichloroethane-d4

Concen: 48.350 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Instrument :

MSVOA_X

ClientSampleId :

MAHW-SB

Tgt Ion: 65 Resp: 106564

Ion Ratio Lower Upper

65 100

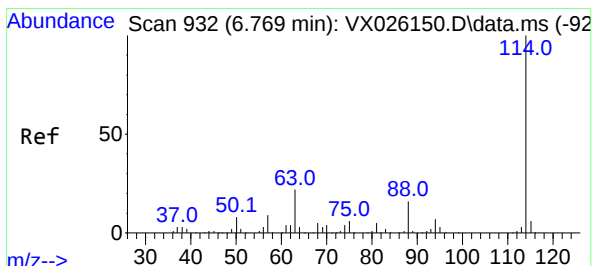
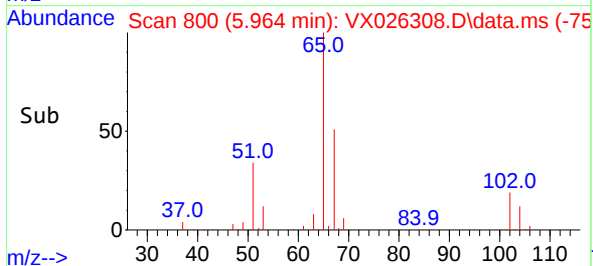
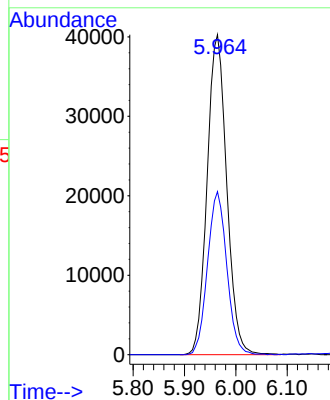
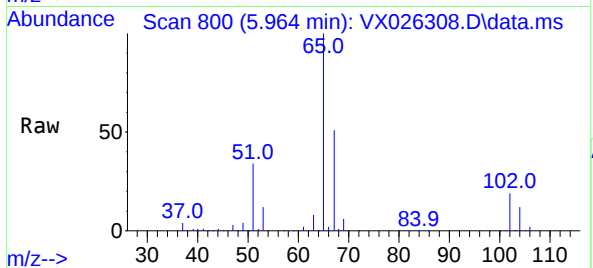
67 50.1 0.0 103.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/05/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

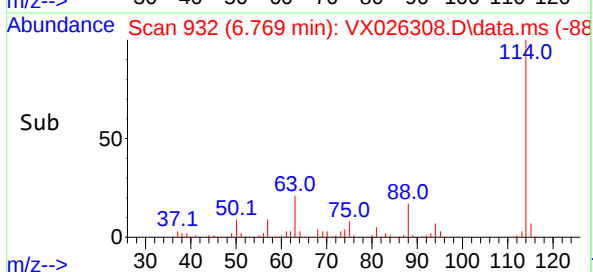
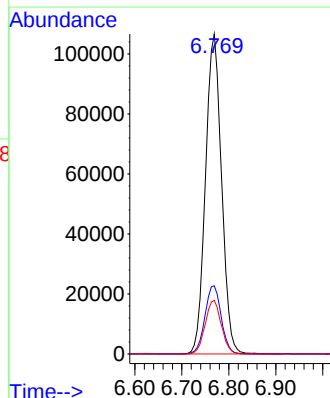
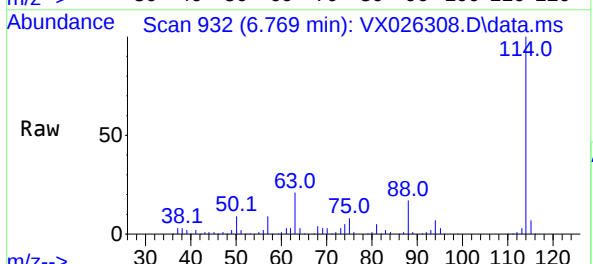
Tgt Ion:114 Resp: 252410

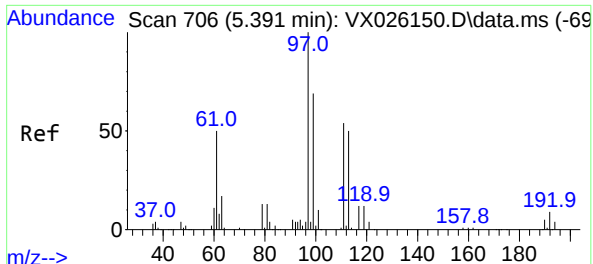
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

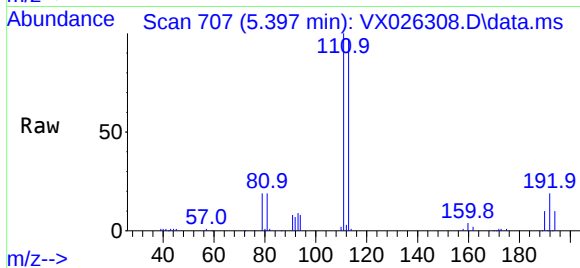
88 16.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.129 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

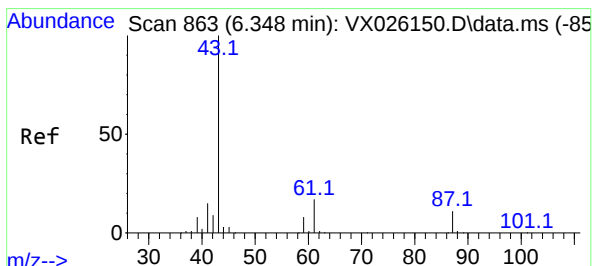
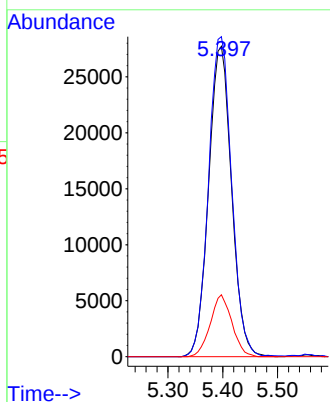
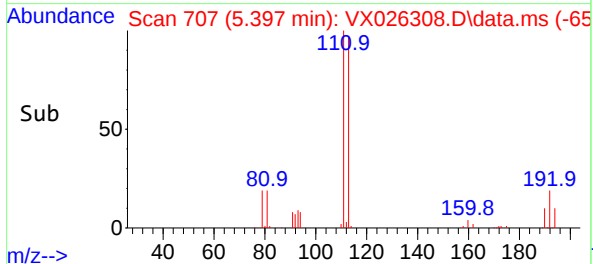
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB



Tgt Ion:113 Resp: 80620
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 18.8 15.0 22.4

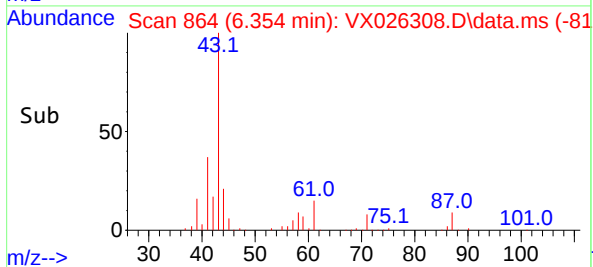
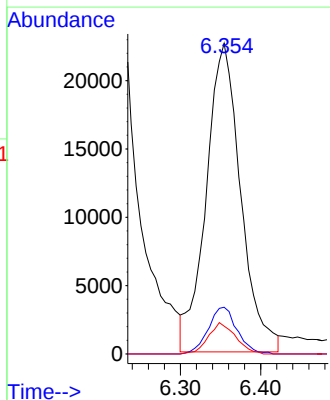
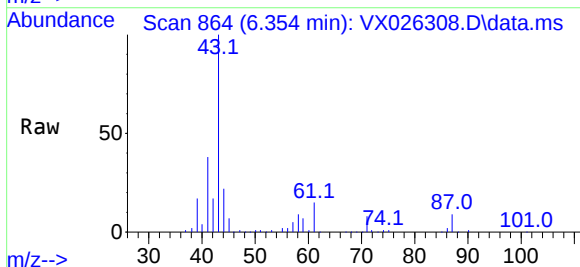
Manual Integrations
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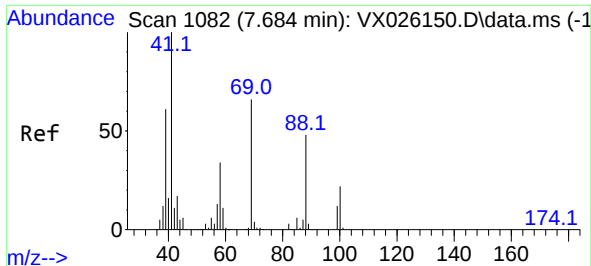
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#43
Isopropyl Acetate
Concen: 13.503 ug/l m
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

Tgt Ion: 43 Resp: 67537
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5#
87 0.0 11.2 16.8#





#49

1,4-Dioxane

Concen: 1330.902 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Instrument :

MSVOA_X

ClientSampleId :

MAHW-SB

Tgt Ion: 88 Resp: 5883

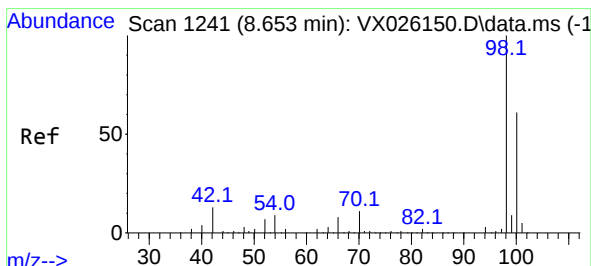
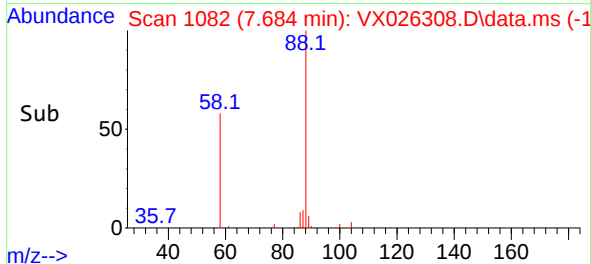
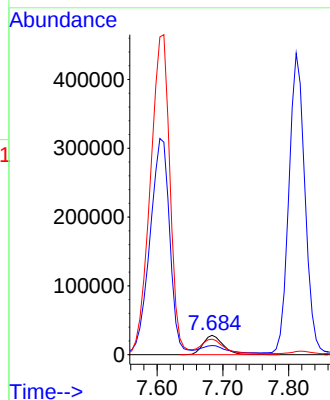
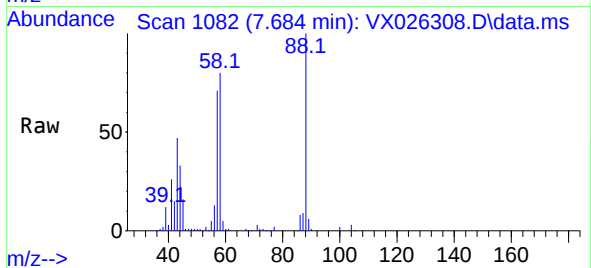
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9
58	86.5	51.8	77.6

Manual Integrations

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Supervised By :Mahesh Dadoda 01/05/2022



#50

Toluene-d8

Concen: 48.327 ug/l

RT: 8.653 min Scan# 1241

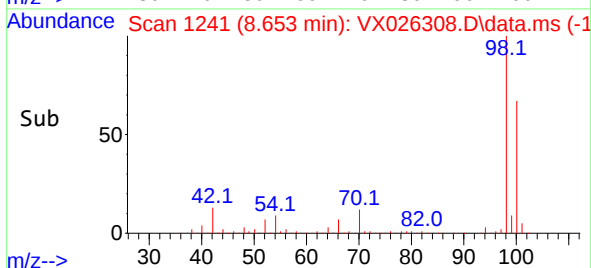
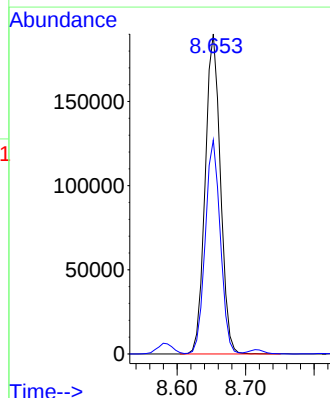
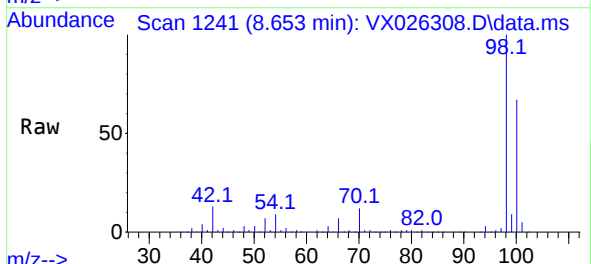
Delta R.T. -0.000 min

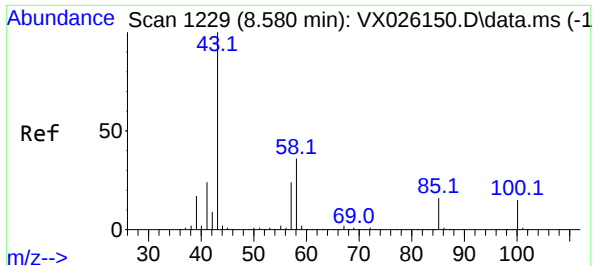
Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Tgt Ion: 98 Resp: 294981

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 23.676 ug/l m

RT: 8.580 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Instrument :

MSVOA_X

ClientSampleId :

MAHW-SB

Tgt Ion: 43 Resp: 7369

Ion Ratio Lower Upper

43 100

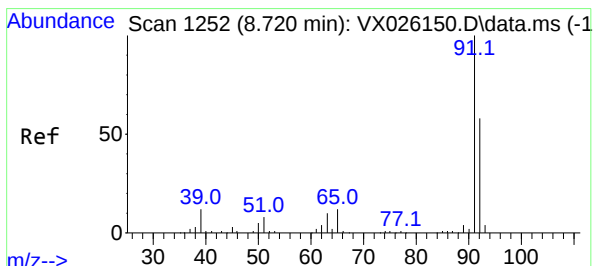
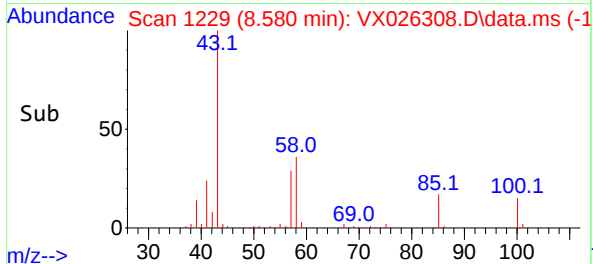
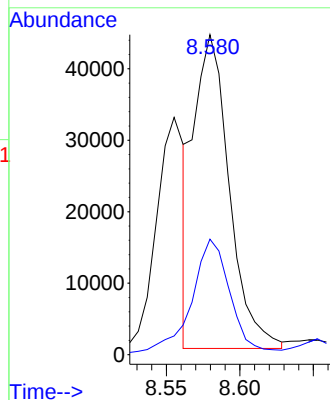
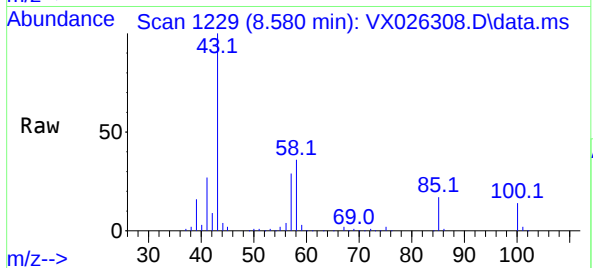
58 118.3 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/05/2022

Supervised By :Mahesh Dadoda 01/05/2022



#52

Toluene

Concen: 13.883 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026308.D

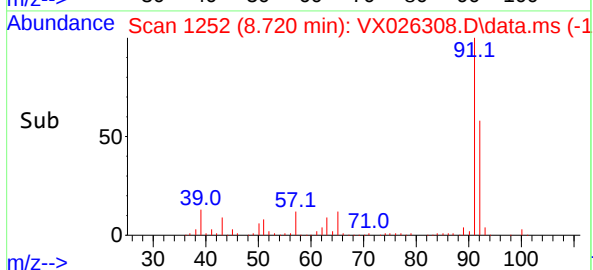
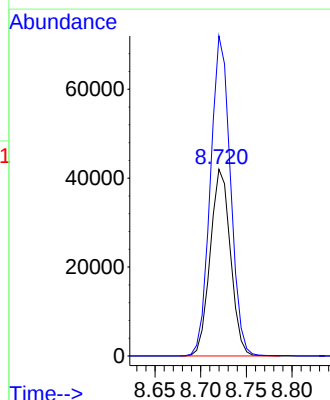
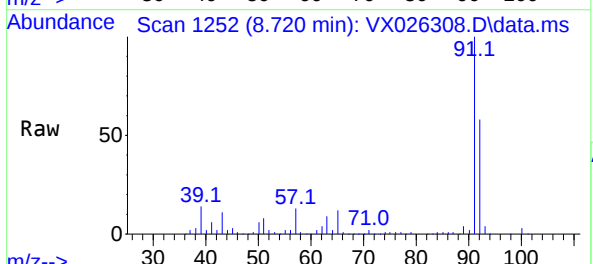
Acq: 05 Jan 2022 06:29

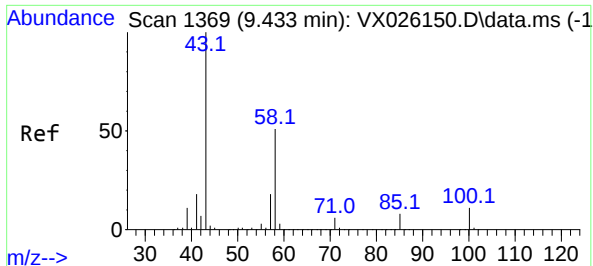
Tgt Ion: 92 Resp: 64559

Ion Ratio Lower Upper

92 100

91 169.9 136.0 204.0





#59

2-Hexanone

Concen: 10.947 ug/l m

RT: 9.445 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

Instrument :

MSVOA_X

ClientSampleId :

MAHW-SB

Tgt Ion: 43 Resp: 25810

Ion Ratio Lower Upper

43 100

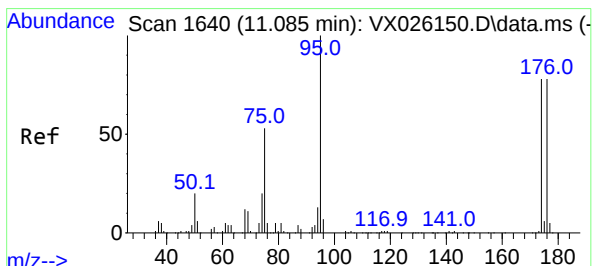
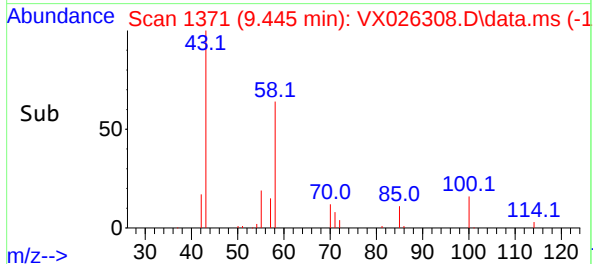
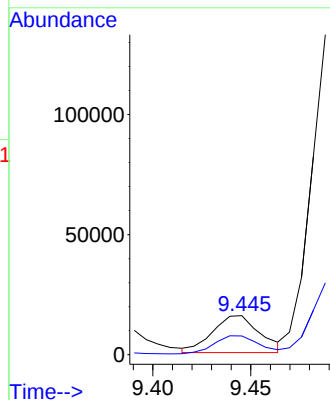
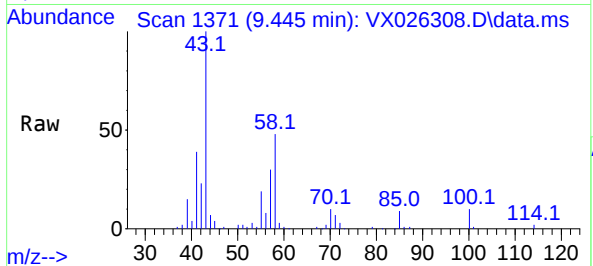
58 176.7 26.9 80.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/05/2022

Supervised By :Mahesh Dadoda 01/05/2022



#62

4-Bromofluorobenzene

Concen: 52.322 ug/l

RT: 11.091 min Scan# 1641

Delta R.T. 0.006 min

Lab File: VX026308.D

Acq: 05 Jan 2022 06:29

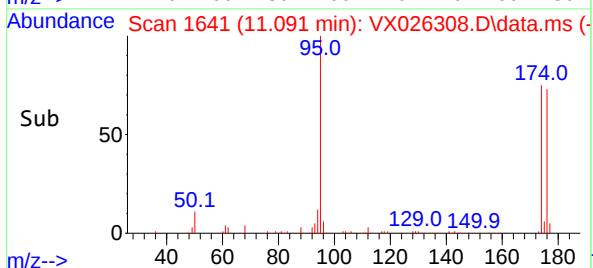
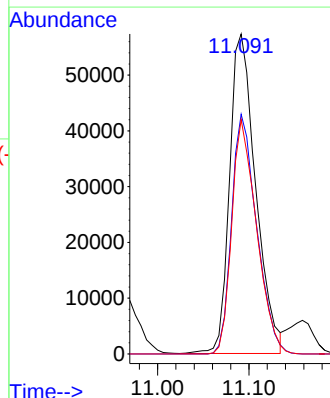
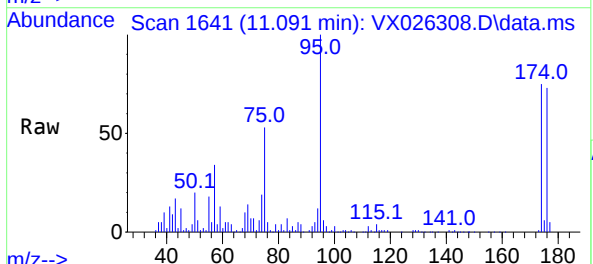
Tgt Ion: 95 Resp: 113692

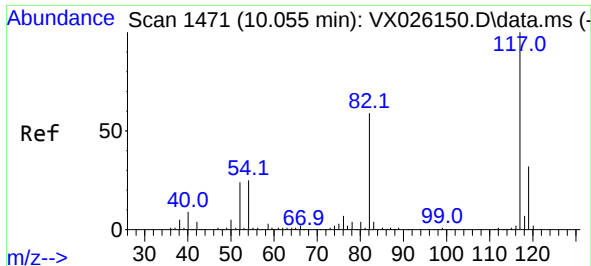
Ion Ratio Lower Upper

95 100

174 72.0 0.0 157.4

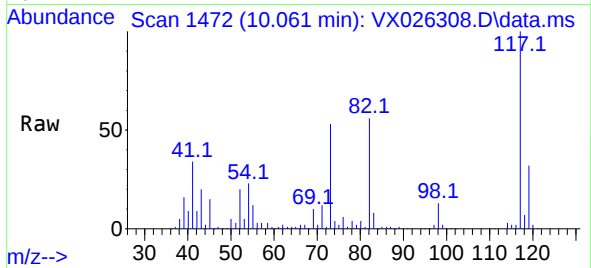
176 69.6 0.0 154.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

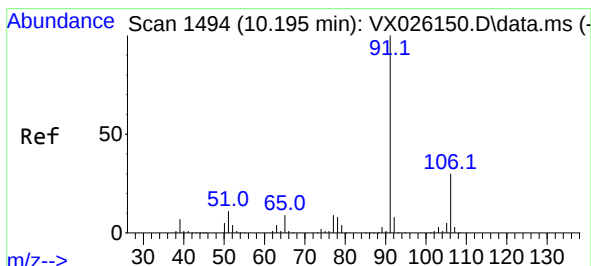
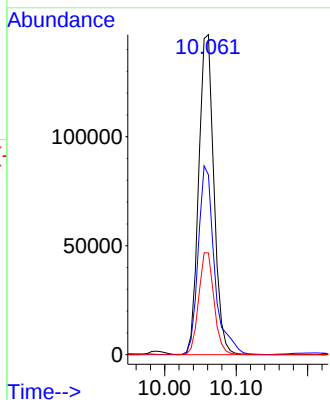
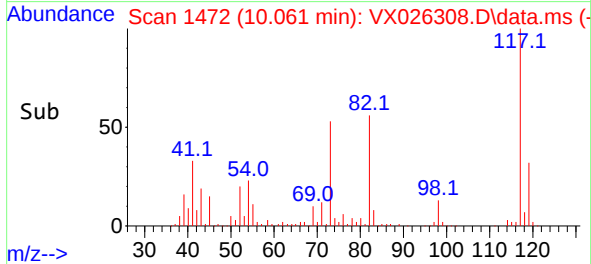
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB



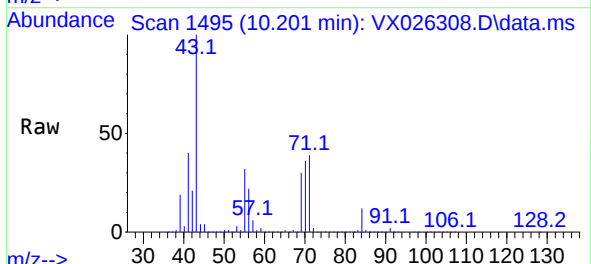
Tgt Ion:117 Resp: 216720
Ion Ratio Lower Upper
117 100
82 56.2 43.8 65.6
119 31.8 25.2 37.8

Manual Integrations
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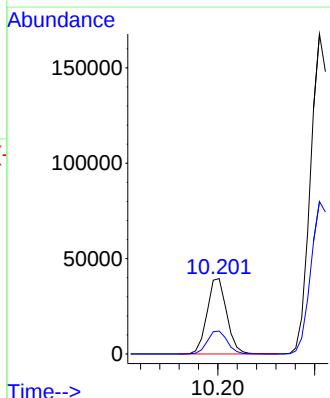
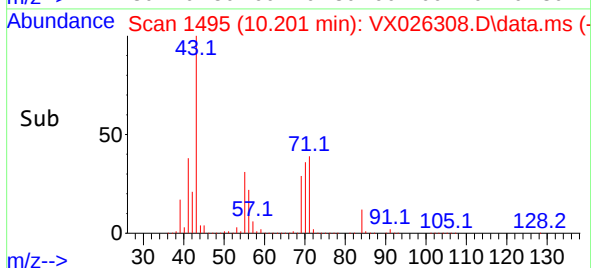
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

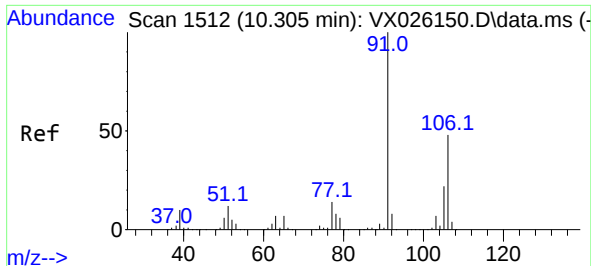


#67
Ethyl Benzene
Concen: 6.550 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29



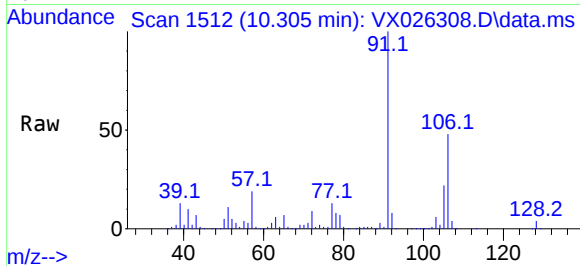
Tgt Ion: 91 Resp: 55763
Ion Ratio Lower Upper
91 100
106 30.4 25.7 38.5





#68
m/p-Xylenes
Concen: 37.770 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

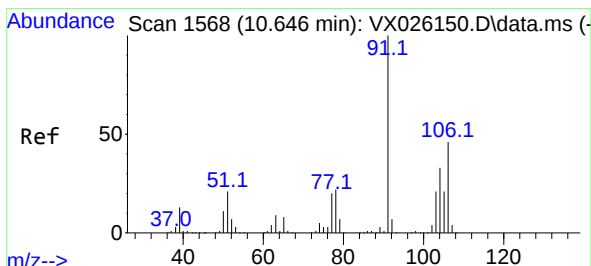
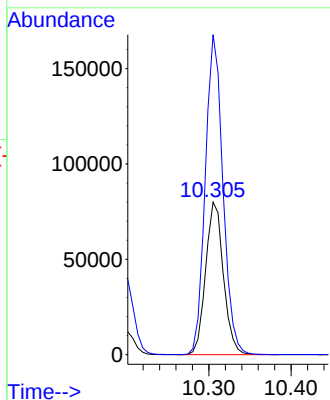
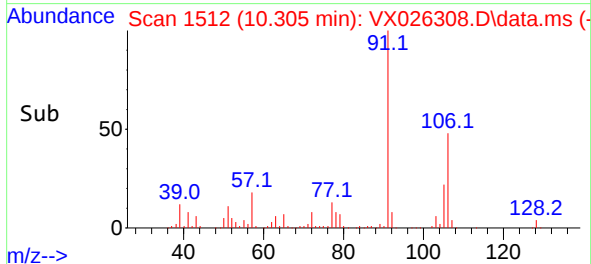
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB



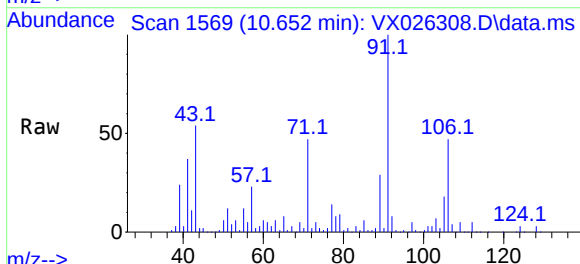
Tgt Ion:106 Resp: 120054
Ion Ratio Lower Upper
106 100
91 208.0 158.6 238.0

Manual Integrations
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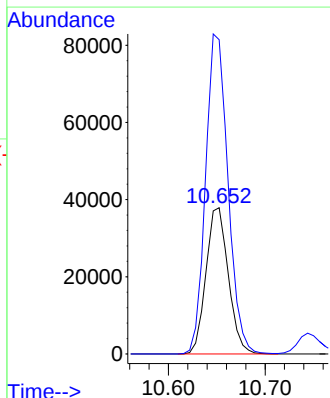
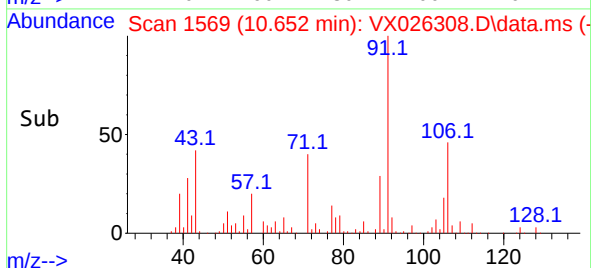
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

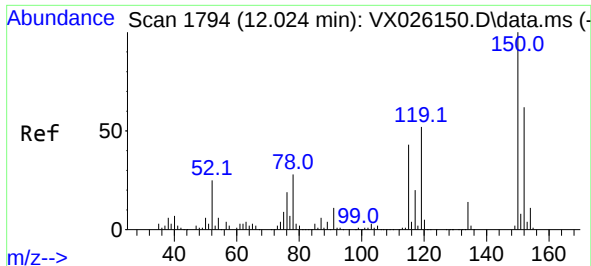


#69
o-Xylene
Concen: 19.556 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29



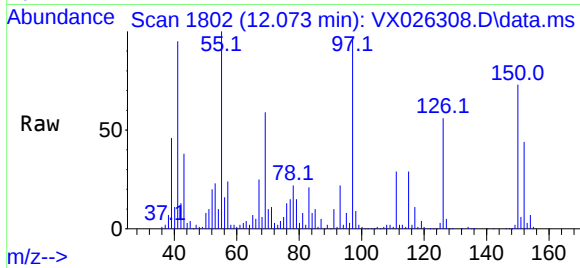
Tgt Ion:106 Resp: 60820
Ion Ratio Lower Upper
106 100
91 219.9 105.5 316.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.073 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

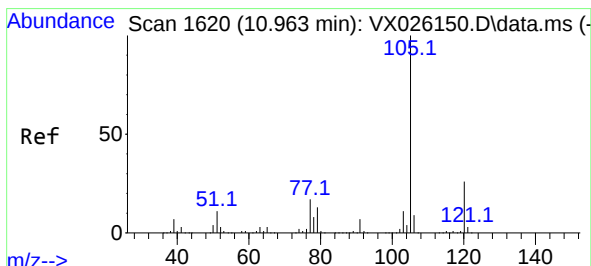
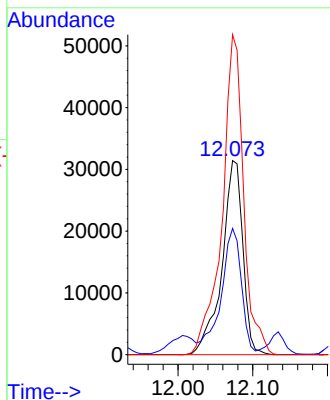
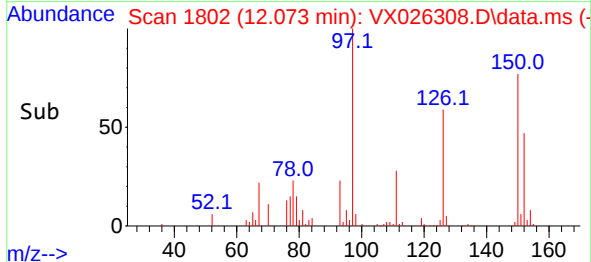
Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB



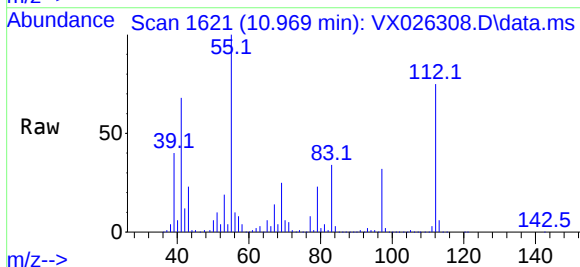
Tgt Ion:152 Resp: 6118
Ion Ratio Lower Upper
152 100
115 63.6 41.3 123.9
150 168.9 0.0 351.8

Manual Integrations
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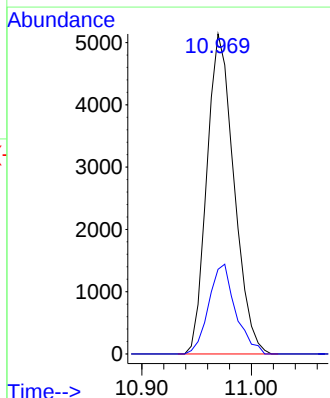
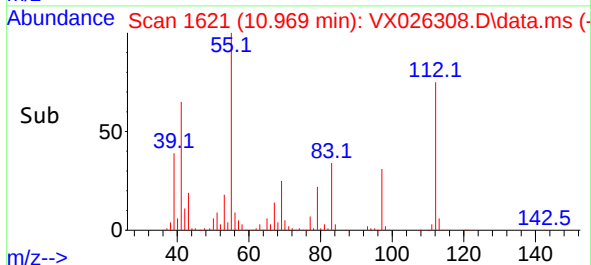
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

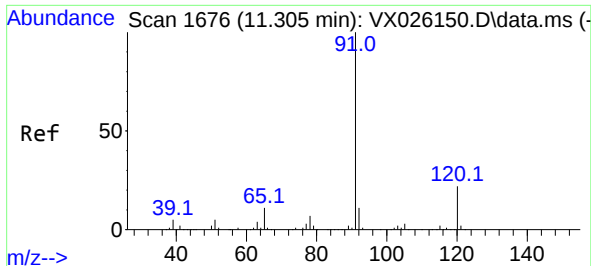


#73
Isopropylbenzene
Concen: 1.858 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29



Tgt Ion:105 Resp: 8837
Ion Ratio Lower Upper
105 100
120 27.7 13.6 40.7





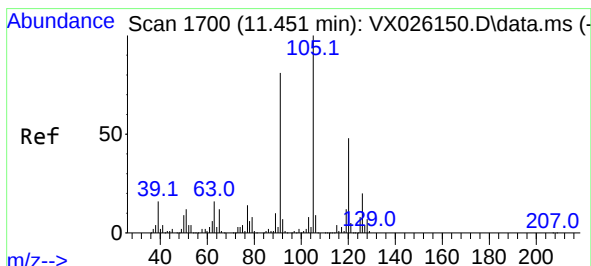
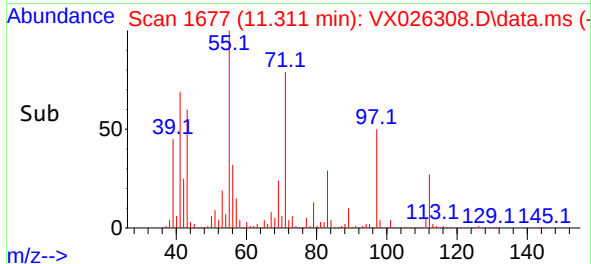
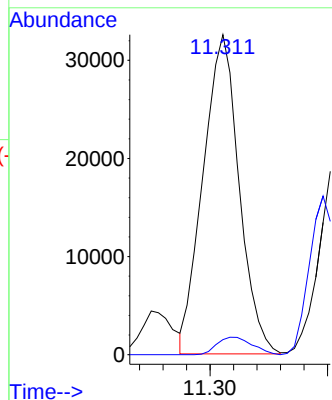
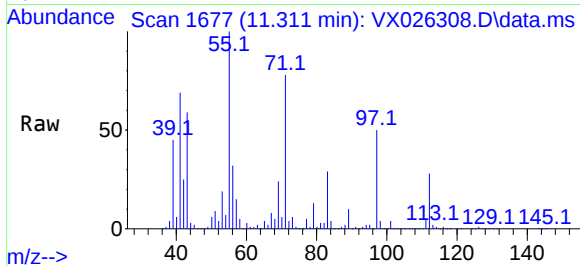
#78
n-propylbenzene
Concen: 12.667 ug/l
RT: 11.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

Instrument :
MSVOA_X
ClientSampleId :
MAHW-SB

Tgt Ion: 91 Resp: 69264
Ion Ratio Lower Upper
91 100
120 5.4 12.0 36.1

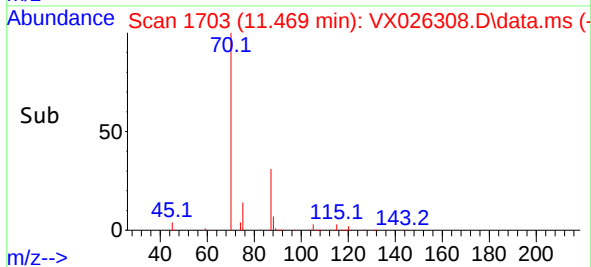
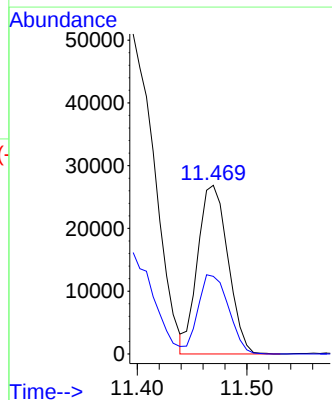
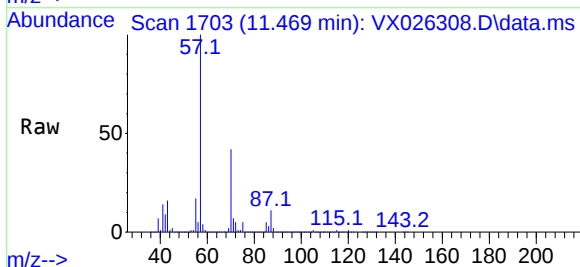
Manual Integrations
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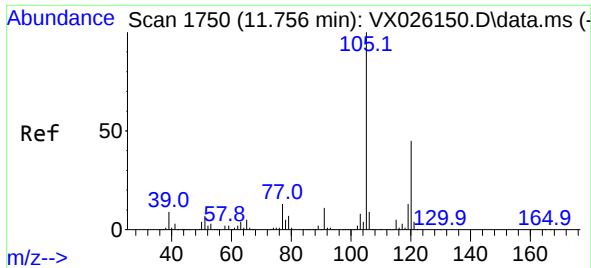
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#80
1,3,5-Trimethylbenzene
Concen: 13.072 ug/l
RT: 11.469 min Scan# 1703
Delta R.T. 0.018 min
Lab File: VX026308.D
Acq: 05 Jan 2022 06:29

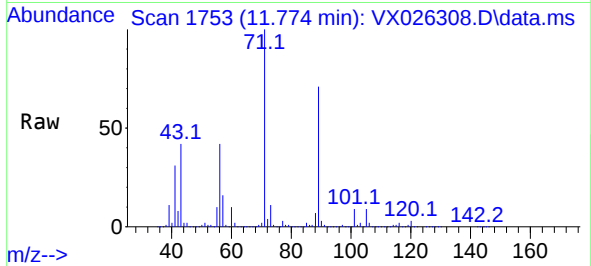
Tgt Ion:105 Resp: 51592
Ion Ratio Lower Upper
105 100
120 47.3 24.9 74.7





#84
 1,2,4-Trimethylbenzene
 Concen: 46.140 ug/l
 RT: 11.774 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: VX026308.D
 Acq: 05 Jan 2022 06:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MAHW-SB



Tgt Ion:105 Resp: 181962
 Ion Ratio Lower Upper
 105 100
 120 36.3 22.9 68.7

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/05/2022
 Supervised By :Mahesh Dadoda 01/05/2022

