

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033304.D
 Acq On : 08 Dec 2022 00:10
 Operator : JC/MD
 Sample : N5906-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13R

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 08 01:45:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	147228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239511	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47147	49.916	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.840%		
35) Dibromofluoromethane	5.385	113	51060	47.397	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.800%		
50) Toluene-d8	8.653	98	117230	52.019	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.040%		
62) 4-Bromofluorobenzene	11.079	95	98514	57.171	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.340%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	54207	187.717	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	111927	24.209	ug/l #	1
22) Diisopropyl ether	3.757	45	10972	2.403	ug/l #	85
31) Cyclohexane	5.477	56	162031	72.184	ug/l	91
39) Methylcyclohexane	7.385	83	158416	67.385	ug/l	98
40) Benzene	6.044	78	1381779	225.638	ug/l	100
52) Toluene	8.720	92	131837	33.297	ug/l	100
64) Tetrachloroethene	9.275	164	1325	0.866	ug/l	95
65) Chlorobenzene	10.079	112	2255	0.498	ug/l #	82
67) Ethyl Benzene	10.195	91	3009622	381.181	ug/l	96
68) m/p-Xylenes	10.305	106	565062	183.946	ug/l	97
69) o-Xylene	10.640	106	177858	58.576	ug/l	99
73) Isopropylbenzene	10.963	105	734231	87.675	ug/l	99
78) n-propylbenzene	11.305	91	2366960	253.129	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	106610	15.293	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	1313952	188.829	ug/l	97
85) sec-Butylbenzene	11.890	105	126768	15.630	ug/l	98
86) p-Isopropyltoluene	12.012	119	23007m	3.290	ug/l	
89) n-Butylbenzene	12.329	91	180504	31.518	ug/l #	72
95) Naphthalene	13.774	128	1852298	240.079	ug/l	99

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

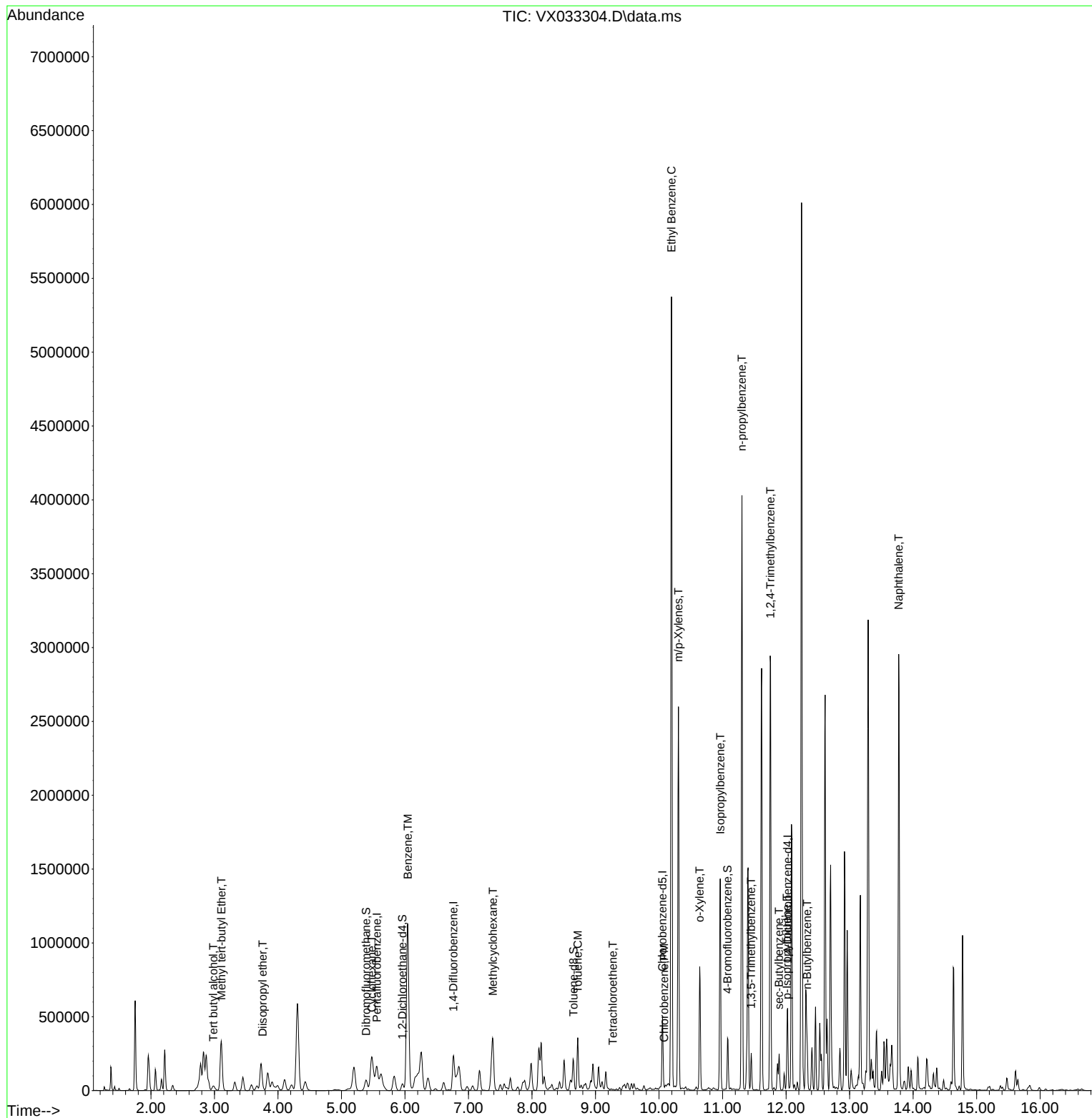
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
Data File : VX033304.D
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Quant Time: Dec 08 01:45:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

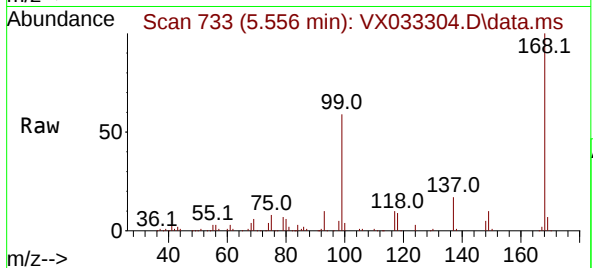
Reviewed By : John Carlone 12/08/2022
Supervised By : Mahesh Dadoda 12/08/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

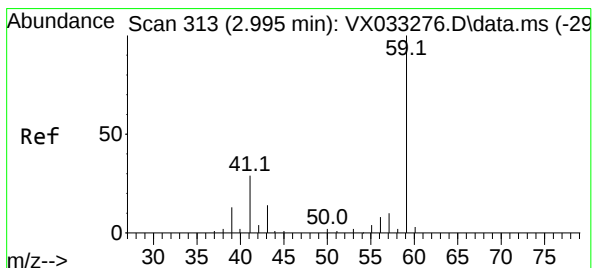
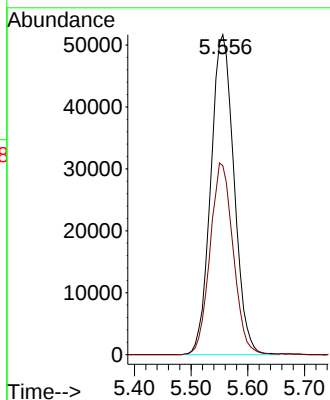
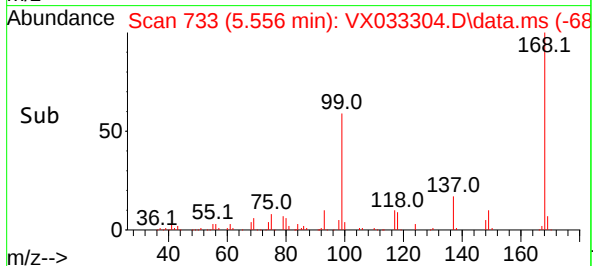
Instrument :
MSVOA_X
ClientSampleId :
MW-13R



Tgt Ion:168 Resp: 147228
Ion Ratio Lower Upper
168 100
99 59.0 46.1 69.1

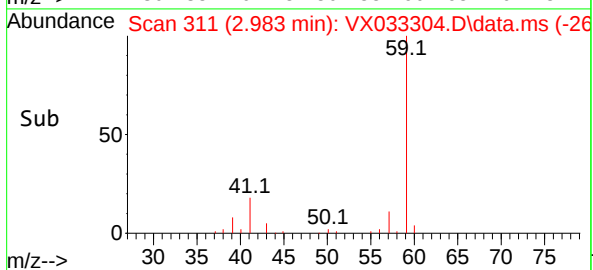
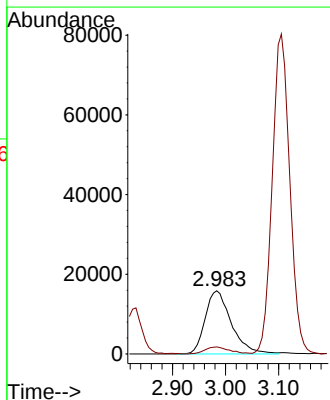
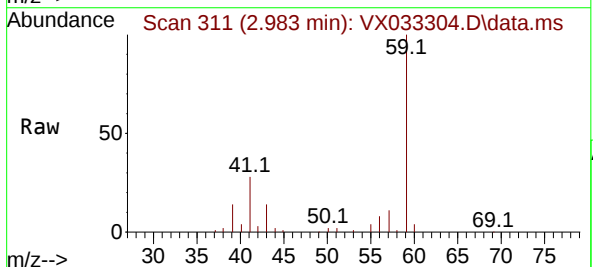
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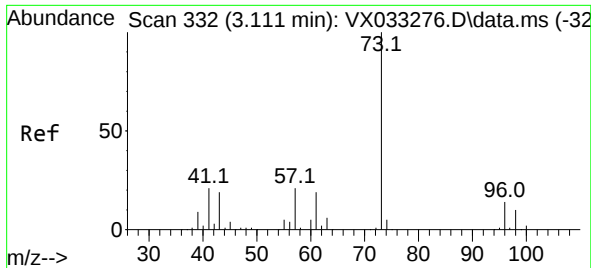
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#11
Tert butyl alcohol
Concen: 187.717 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

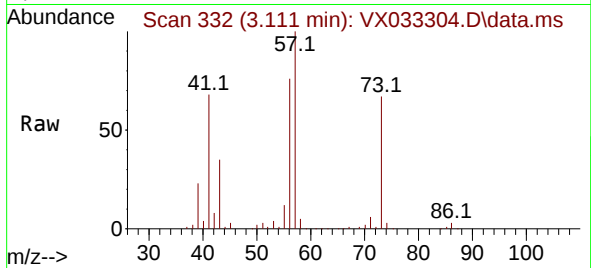
Tgt Ion: 59 Resp: 54207
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4





#19
Methyl tert-butyl Ether
Concen: 24.209 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

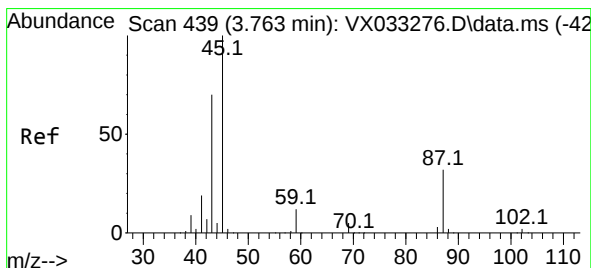
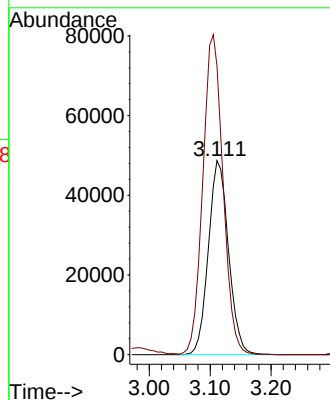
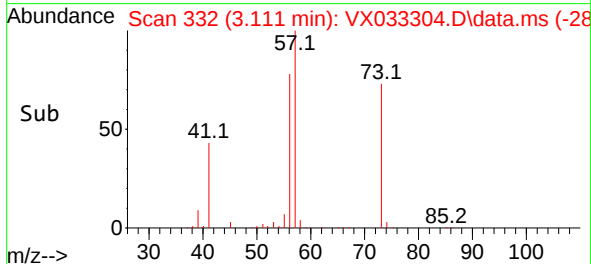
Instrument :
MSVOA_X
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MW-13R



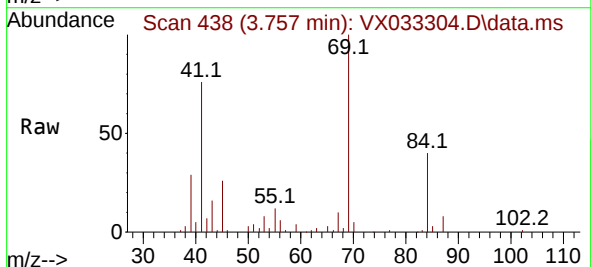
Tgt Ion: 73 Resp: 11192
Ion Ratio Lower Upper
73 100
57 148.6 16.6 25.0

Manual Integrations
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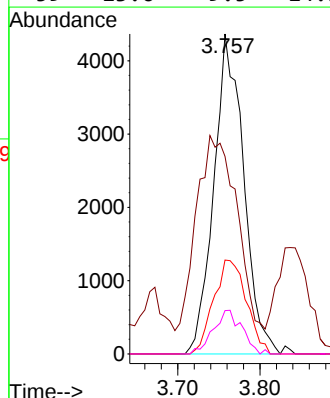
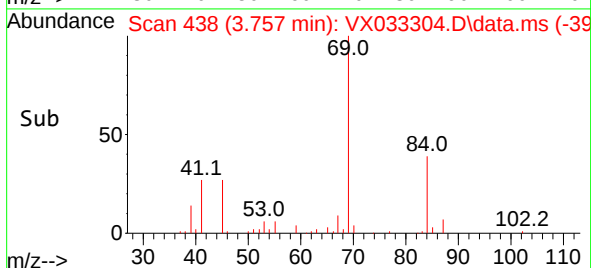
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022

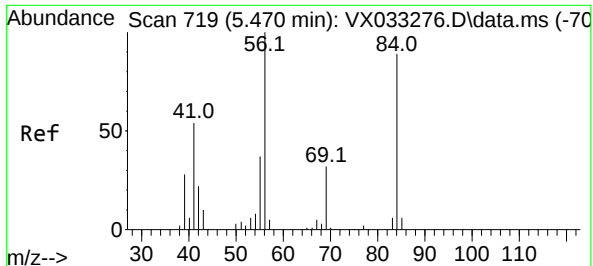


#22
Diisopropyl ether
Concen: 2.403 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10



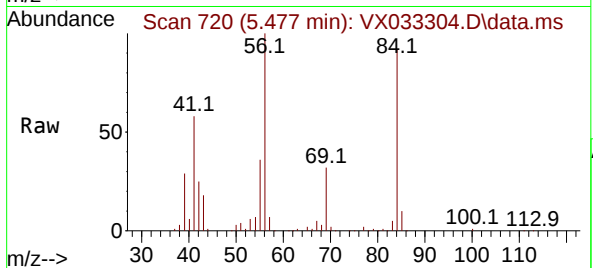
Tgt Ion: 45 Resp: 10972
Ion Ratio Lower Upper
45 100
43 52.2 56.4 84.6#
87 29.3 24.4 36.6
59 13.6 9.5 14.3





#31
Cyclohexane
Concen: 72.184 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

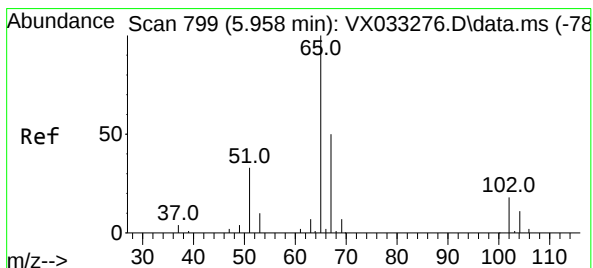
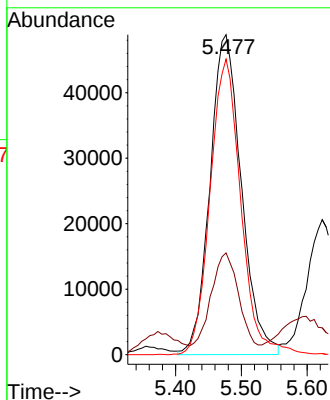
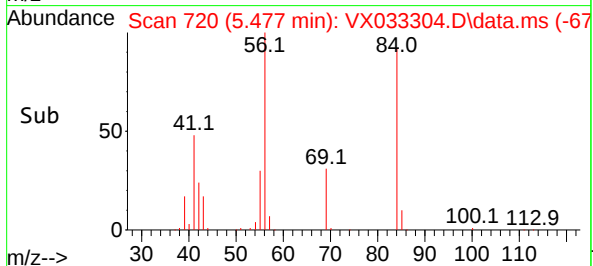
Instrument :
MSVOA_X
ClientSampleId :
MW-13R



Tgt Ion: 56 Resp: 16203
Ion Ratio Lower Upper
56 100
69 27.6 24.1 36.1
84 93.2 66.9 100.3

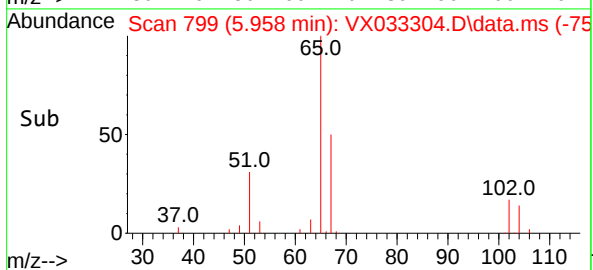
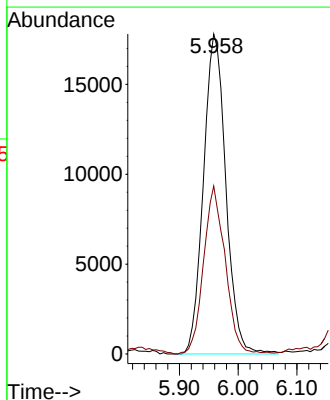
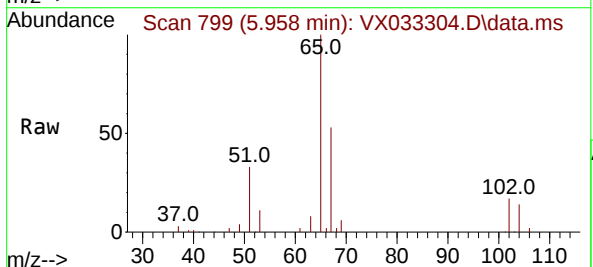
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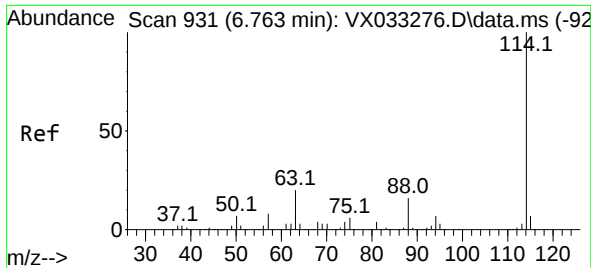
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#33
1,2-Dichloroethane-d4
Concen: 49.916 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Tgt Ion: 65 Resp: 47147
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8





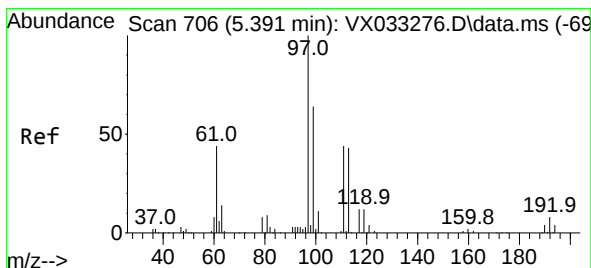
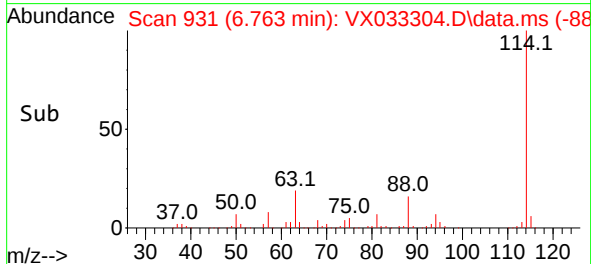
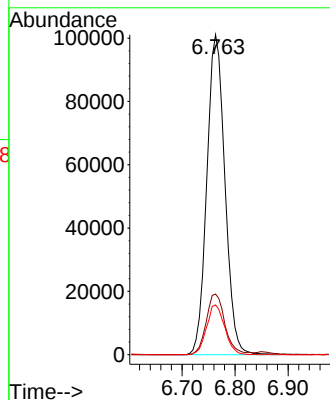
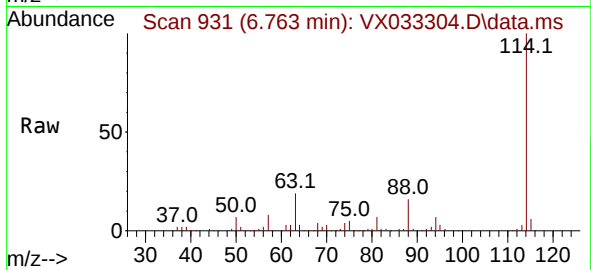
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Instrument :
MSVOA_X
ClientSampleId :
MW-13R

Tgt Ion:114 Resp: 23951
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.6
88 15.6 0.0 33.4

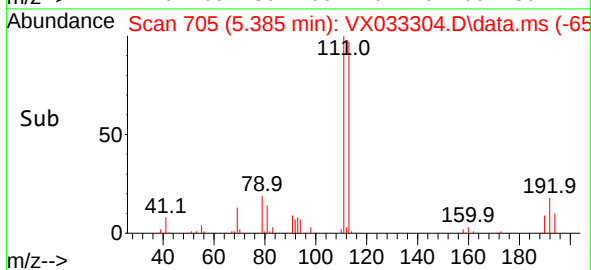
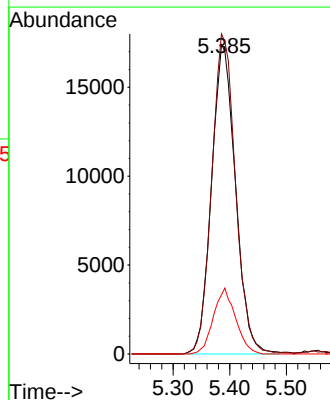
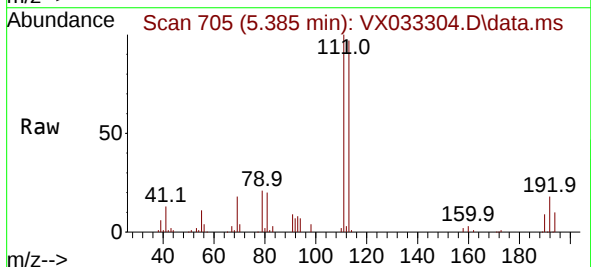
Manual Integrations
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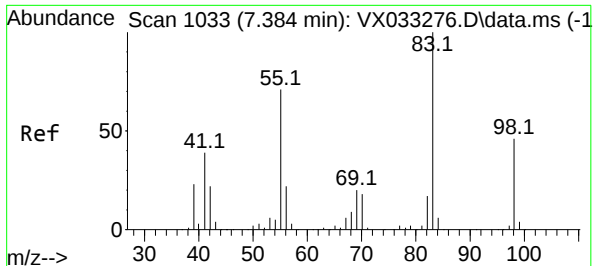
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#35
Dibromofluoromethane
Concen: 47.397 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Tgt Ion:113 Resp: 51060
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 19.7 15.4 23.2





#39

Methylcyclohexane

Concen: 67.385 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX033304.D

Acq: 08 Dec 2022 00:10

Instrument :

MSVOA_X

ClientSampleId :

MW-13R

Tgt Ion: 83 Resp: 158410

Ion Ratio Lower Upper

83 100

55 75.0 58.4 87.6

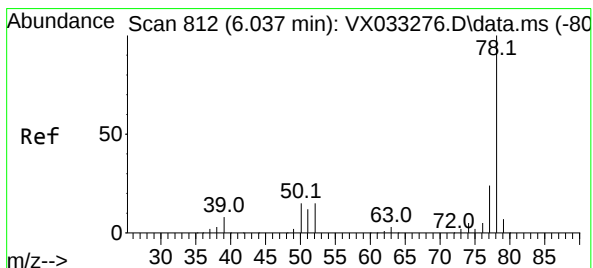
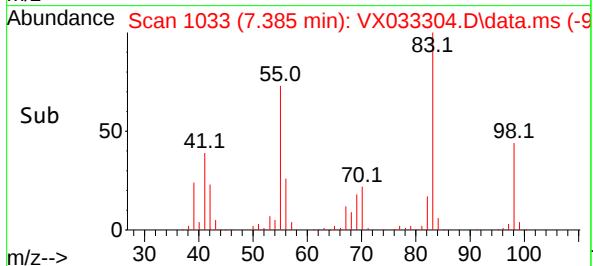
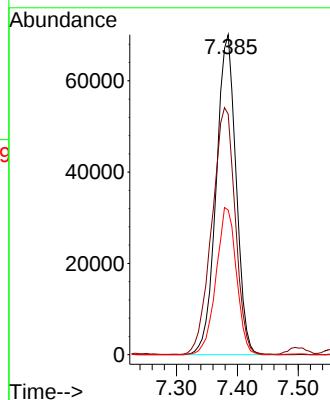
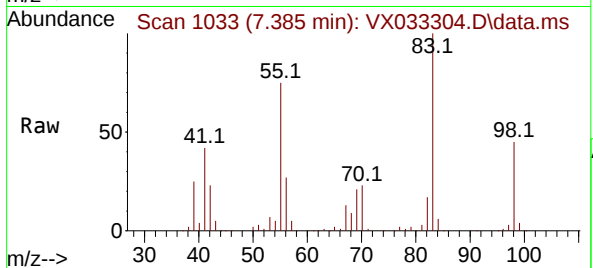
98 45.2 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2022

Supervised By :Mahesh Dadoda 12/08/2022



#40

Benzene

Concen: 225.638 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX033304.D

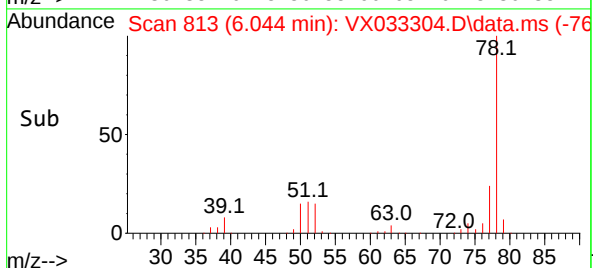
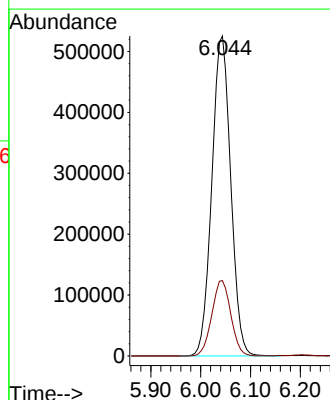
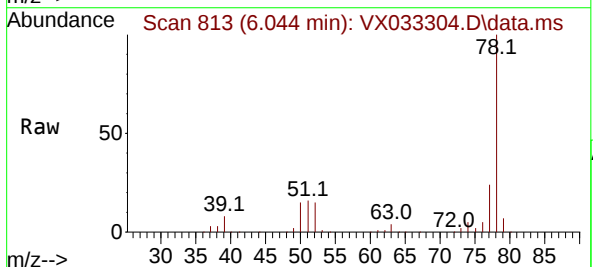
Acq: 08 Dec 2022 00:10

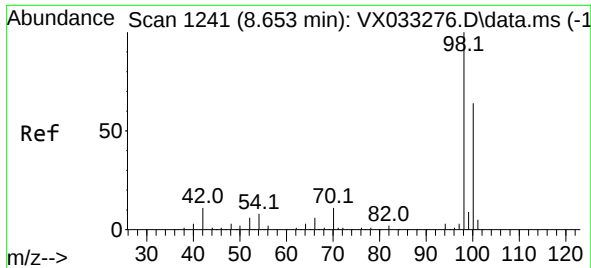
Tgt Ion: 78 Resp: 1381779

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4





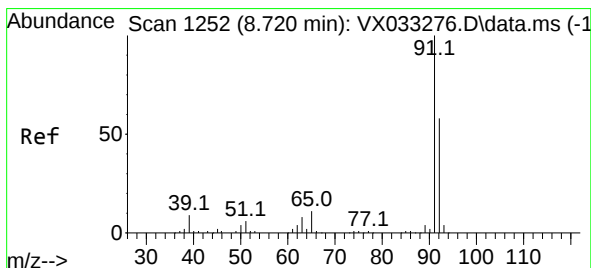
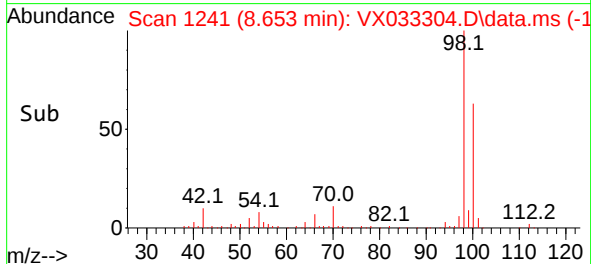
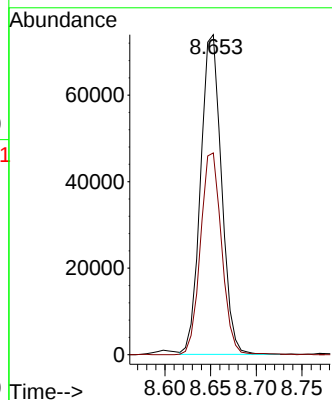
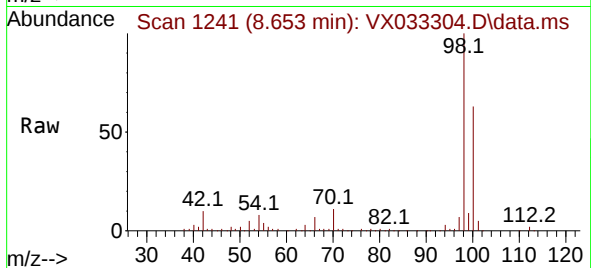
#50
Toluene-d8
Concen: 52.019 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Instrument :
MSVOA_X
ClientSampleId :
MW-13R

Tgt Ion: 98 Resp: 117230
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

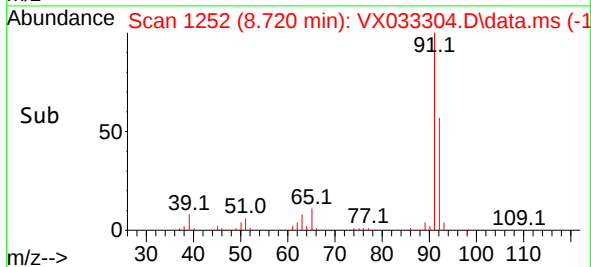
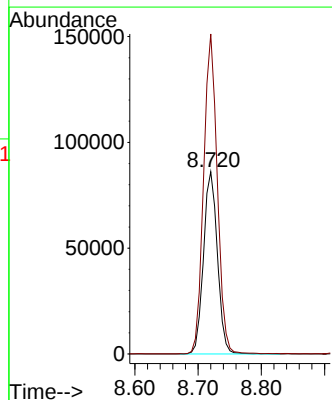
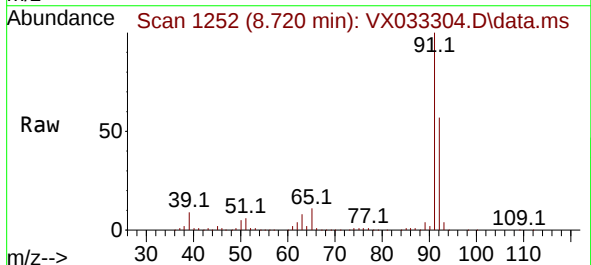
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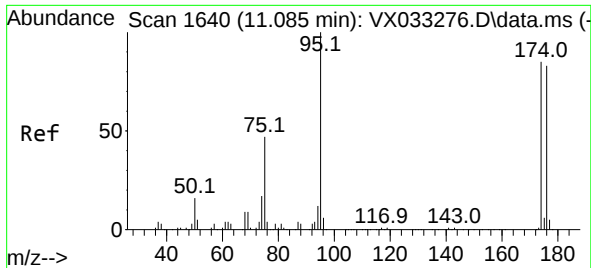
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#52
Toluene
Concen: 33.297 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

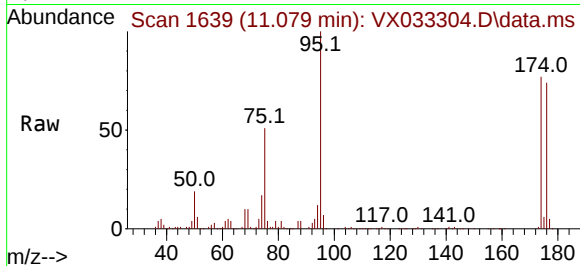
Tgt Ion: 92 Resp: 131837
Ion Ratio Lower Upper
92 100
91 172.6 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 57.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

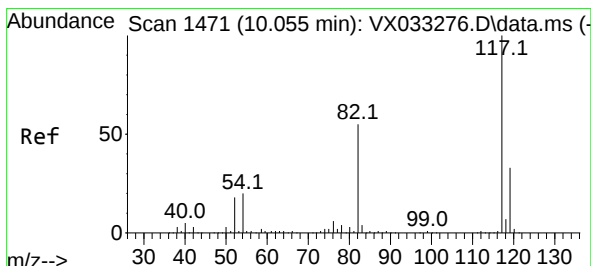
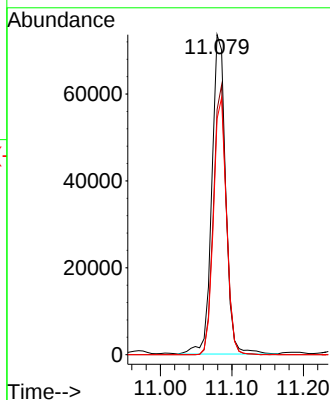
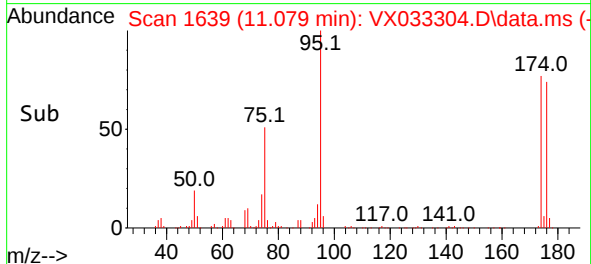
Instrument :
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MW-13R



Tgt Ion: 95 Resp: 98514
Ion Ratio Lower Upper
95 100
174 78.9 0.0 164.0
176 75.6 0.0 154.4

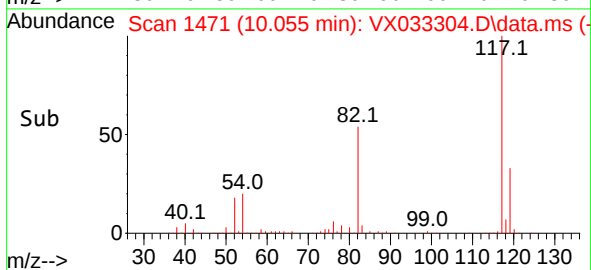
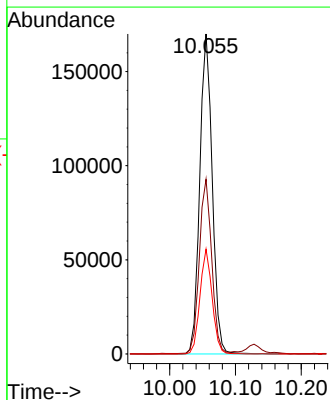
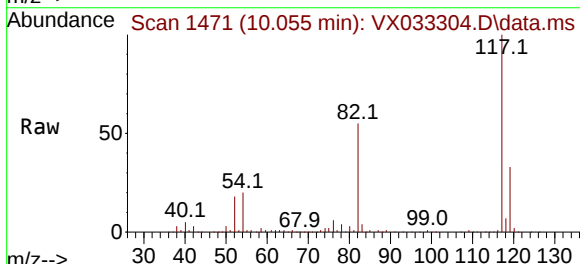
Manual Integrations
APPROVED

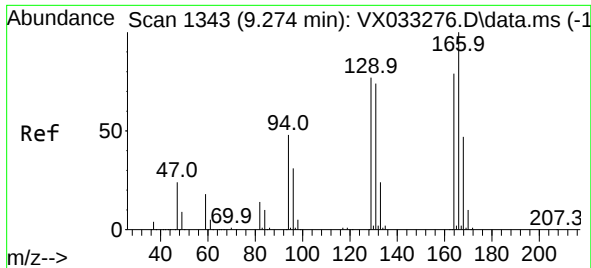
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

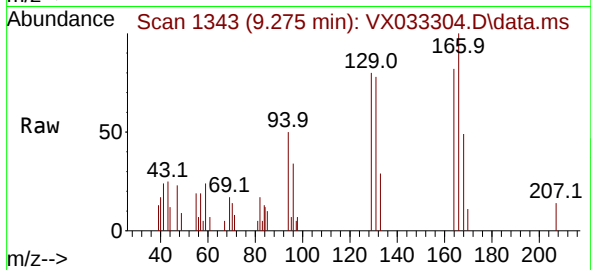
Tgt Ion:117 Resp: 223804
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 32.8 25.7 38.5





#64
Tetrachloroethene
Concen: 0.866 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

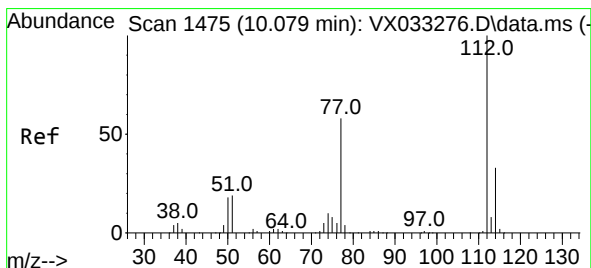
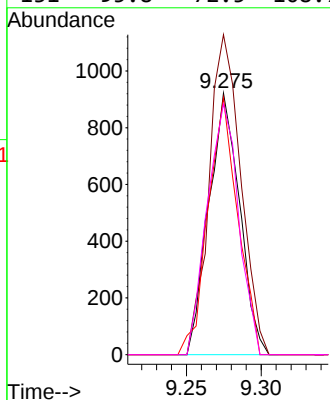
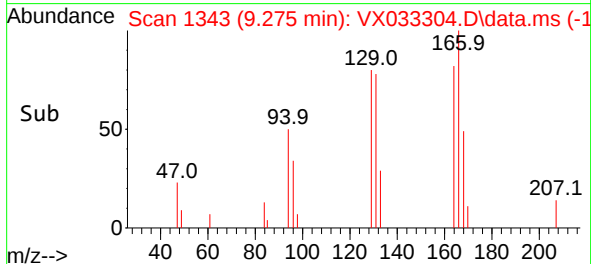
Instrument :
MSVOA_X
ClientSampleId :
MW-13R



Tgt Ion:164 Resp: 1325
Ion Ratio Lower Upper
164 100
166 122.3 105.4 158.2
129 98.3 78.2 117.2
131 95.8 72.5 108.7

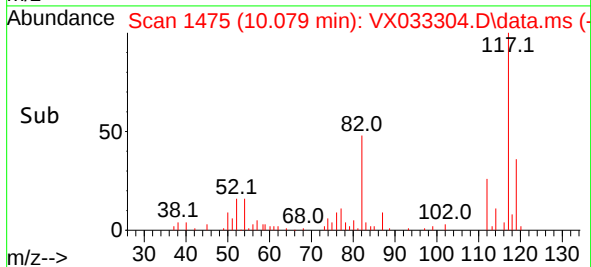
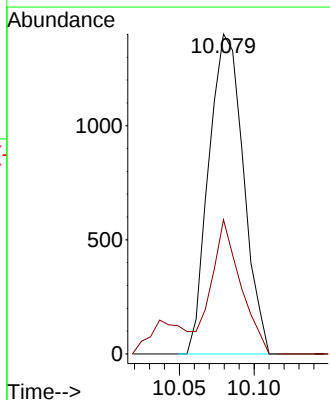
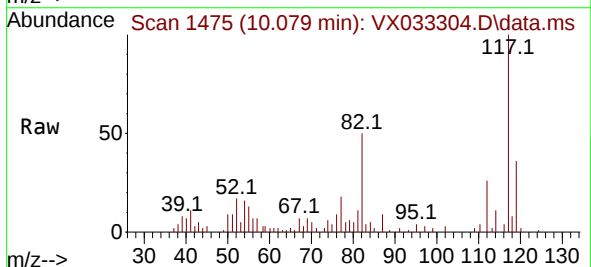
Manual Integrations
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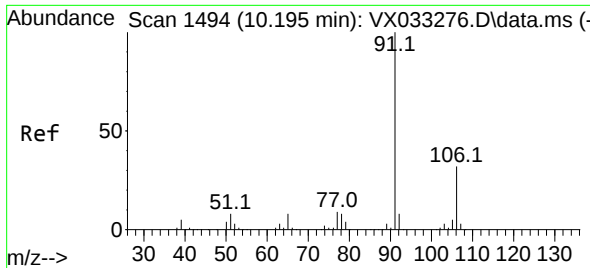
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#65
Chlorobenzene
Concen: 0.498 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

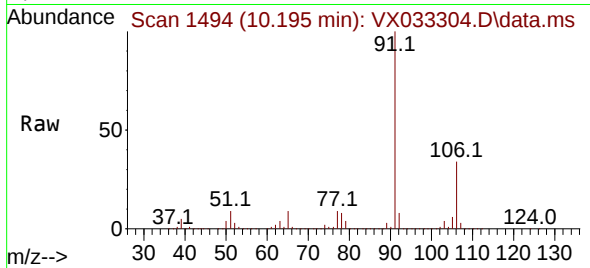
Tgt Ion:112 Resp: 2255
Ion Ratio Lower Upper
112 100
114 41.9 25.4 38.2#





#67
Ethyl Benzene
Concen: 381.181 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

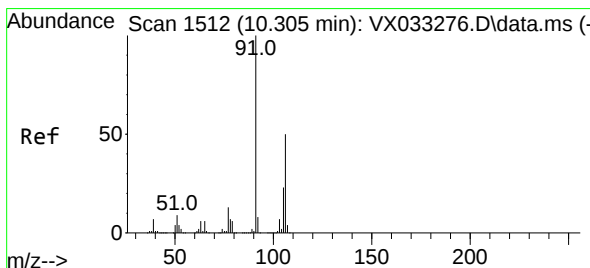
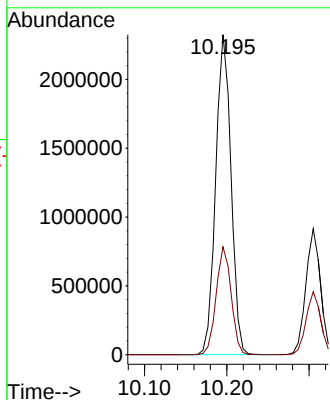
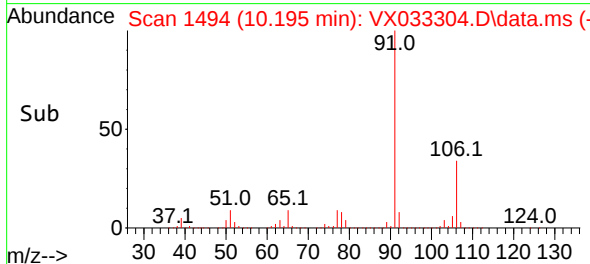
Instrument :
MSVOA_X
ClientSampleId :
MW-13R



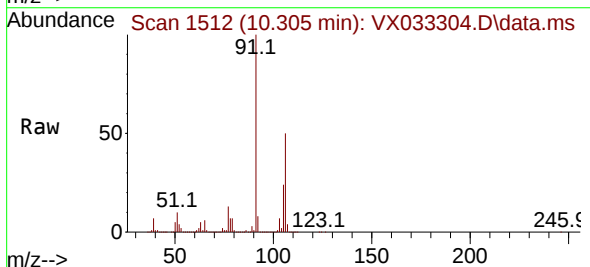
Tgt Ion: 91 Resp: 300962
Ion Ratio Lower Upper
91 100
106 33.7 25.0 37.6

Manual Integrations
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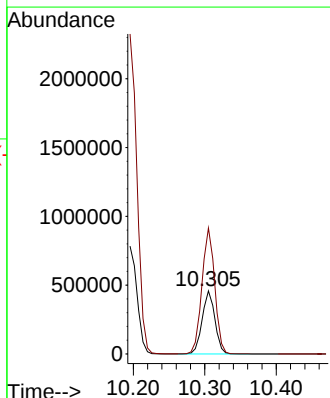
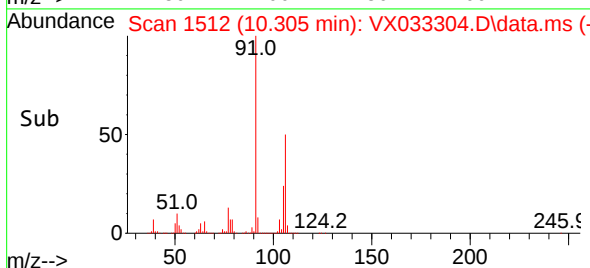
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022

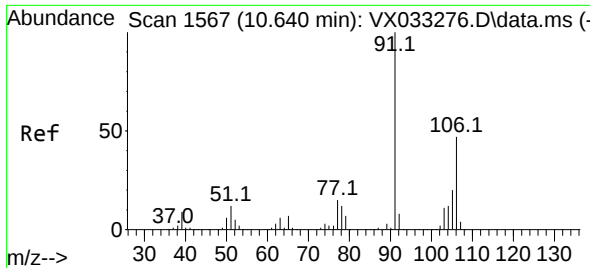


#68
m/p-Xylenes
Concen: 183.946 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10



Tgt Ion:106 Resp: 565062
Ion Ratio Lower Upper
106 100
91 200.8 164.5 246.7





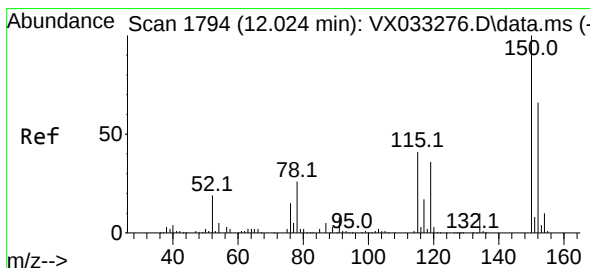
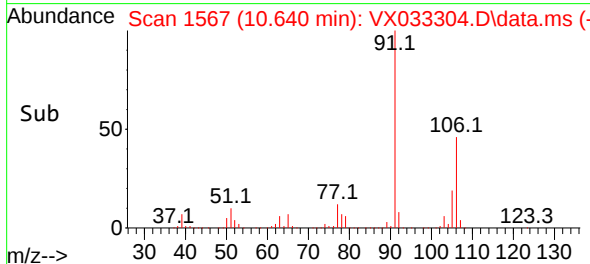
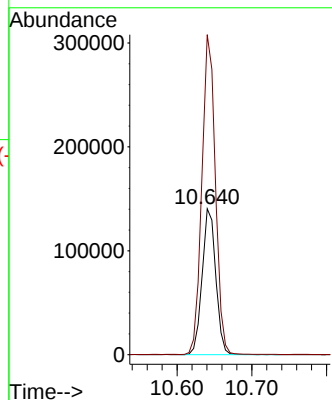
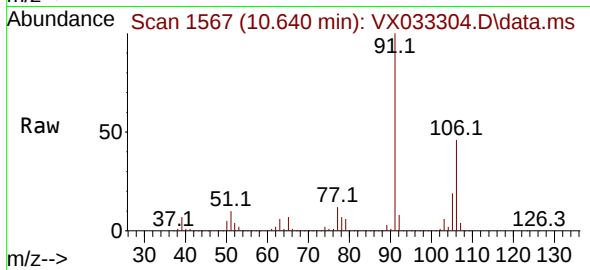
#69
o-Xylene
Concen: 58.576 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Instrument :
MSVOA_X
ClientSampleId :
MW-13R

Tgt Ion:106 Resp: 17785
Ion Ratio Lower Upper
106 100
91 217.3 109.2 327.6

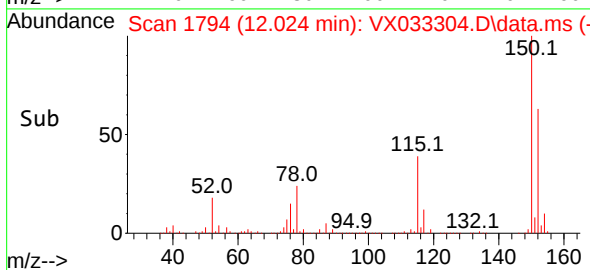
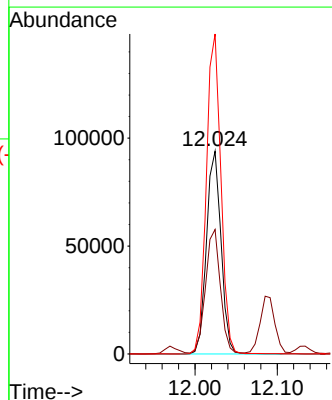
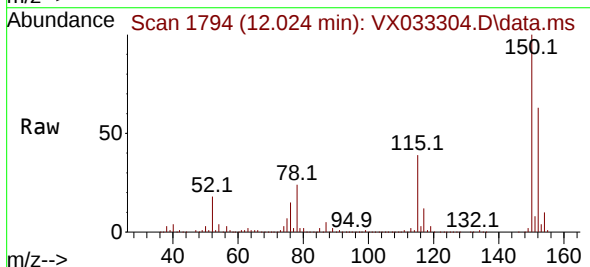
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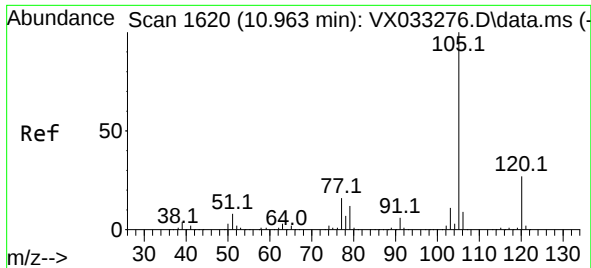
Reviewed By :John Carbone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Tgt Ion:152 Resp: 115540
Ion Ratio Lower Upper
152 100
115 61.4 44.0 132.0
150 157.5 0.0 351.8





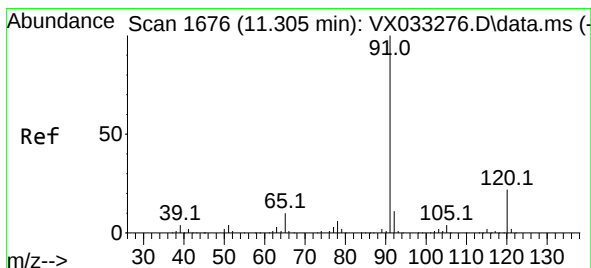
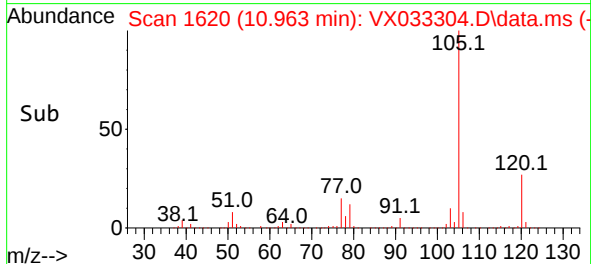
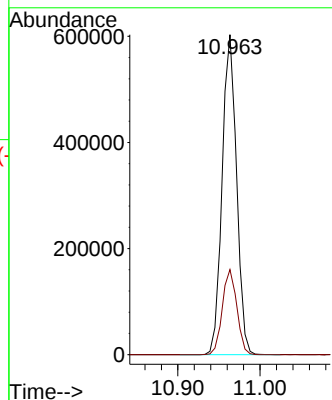
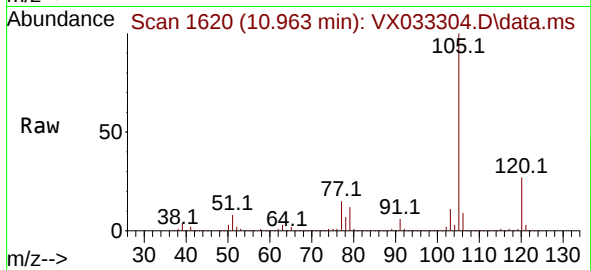
#73
Isopropylbenzene
Concen: 87.675 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Instrument :
MSVOA_X
ClientSampleId :
MW-13R

Tgt Ion:105 Resp: 73423
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3

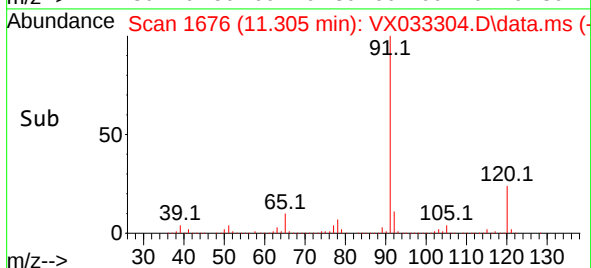
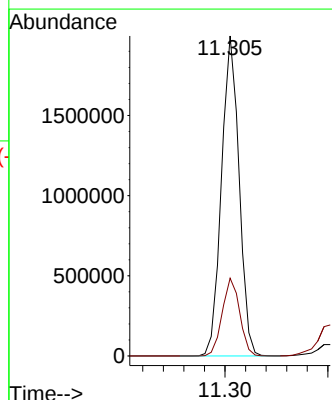
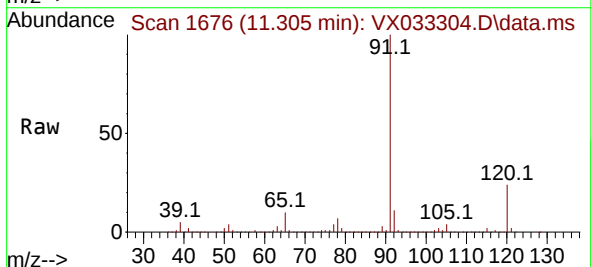
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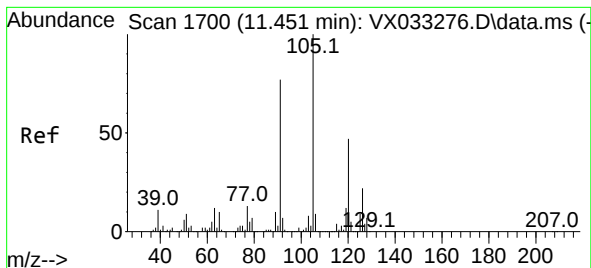
Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#78
n-propylbenzene
Concen: 253.129 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Tgt Ion: 91 Resp: 2366960
Ion Ratio Lower Upper
91 100
120 24.1 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 15.293 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033304.D

Acq: 08 Dec 2022 00:10

Instrument :

MSVOA_X

ClientSampleId :

MW-13R

Tgt Ion:105 Resp: 106610

Ion Ratio Lower Upper

105 100

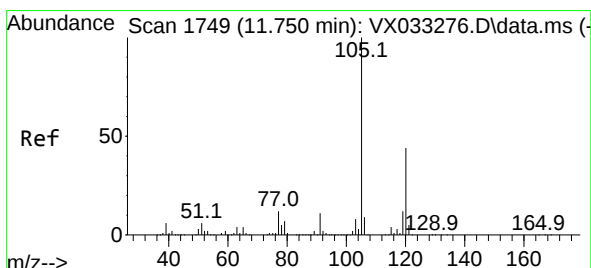
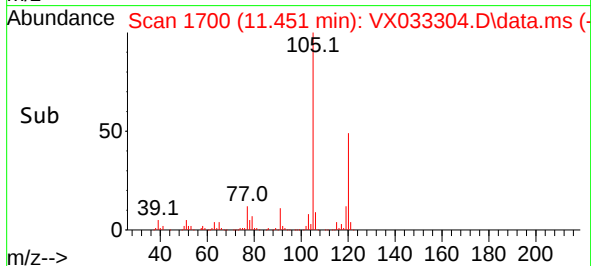
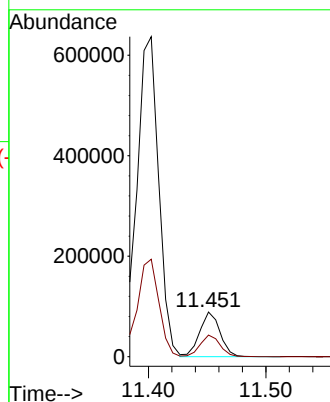
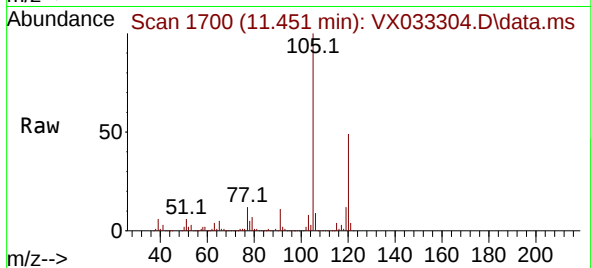
120 47.8 23.6 71.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2022

Supervised By :Mahesh Dadoda 12/08/2022



#84

1,2,4-Trimethylbenzene

Concen: 188.829 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX033304.D

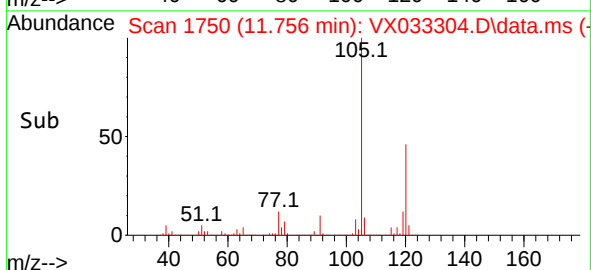
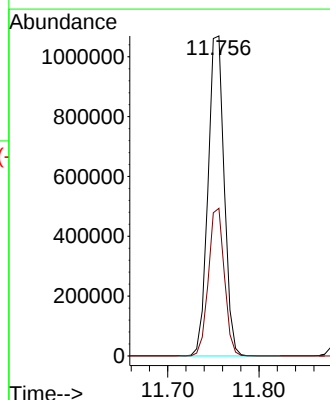
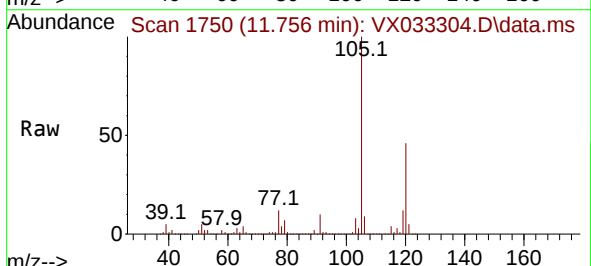
Acq: 08 Dec 2022 00:10

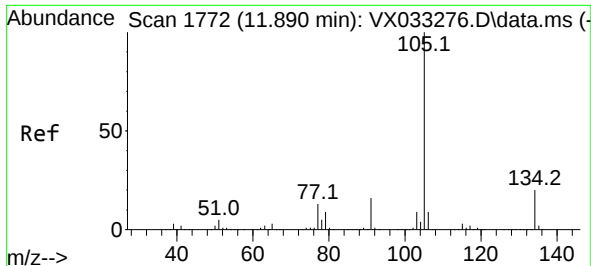
Tgt Ion:105 Resp: 1313952

Ion Ratio Lower Upper

105 100

120 45.5 21.9 65.5





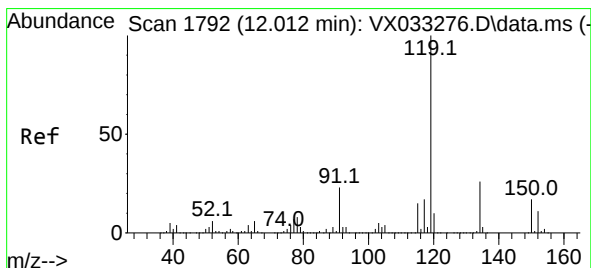
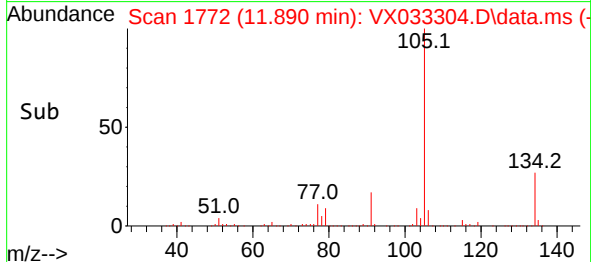
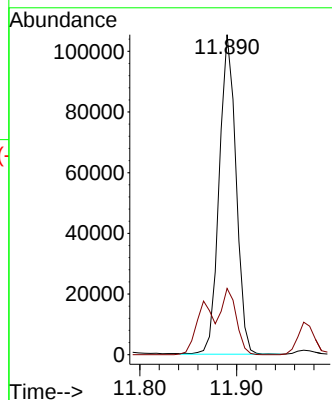
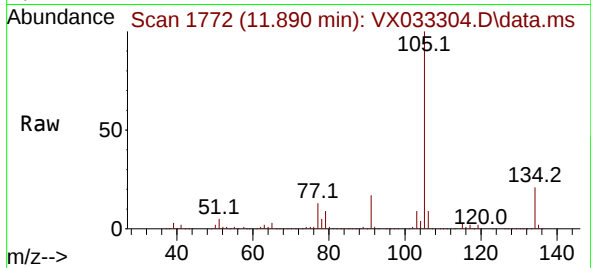
#85
 sec-Butylbenzene
 Concen: 15.630 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033304.D
 Acq: 08 Dec 2022 00:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13R

Tgt Ion:105 Resp: 126768
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.9 29.7

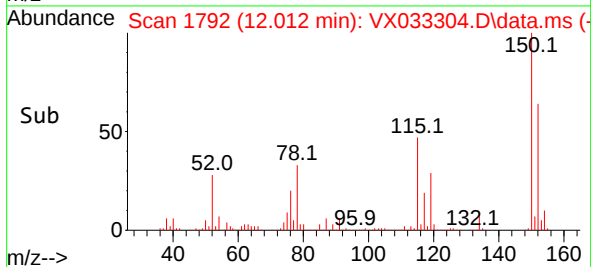
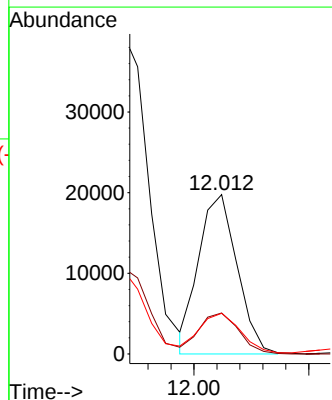
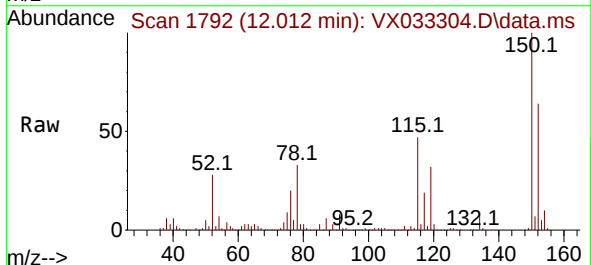
Manual Integrations
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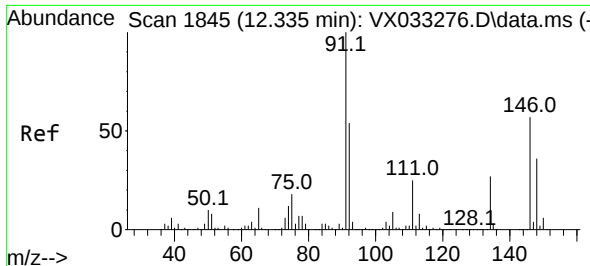
Reviewed By :John Carlone 12/08/2022
 Supervised By :Mahesh Dadoda 12/08/2022



#86
 p-Isopropyltoluene
 Concen: 3.290 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033304.D
 Acq: 08 Dec 2022 00:10

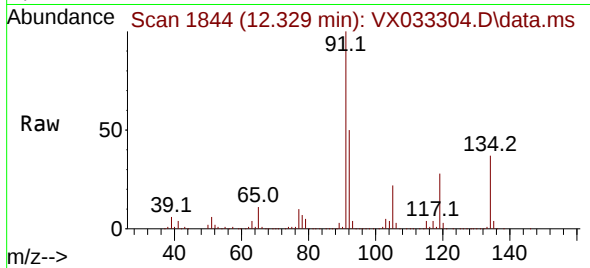
Tgt Ion:119 Resp: 23007
 Ion Ratio Lower Upper
 119 100
 134 55.9 12.9 38.7#
 91 51.9 12.5 37.5#





#89
n-Butylbenzene
Concen: 31.518 ug/l
RT: 12.329 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

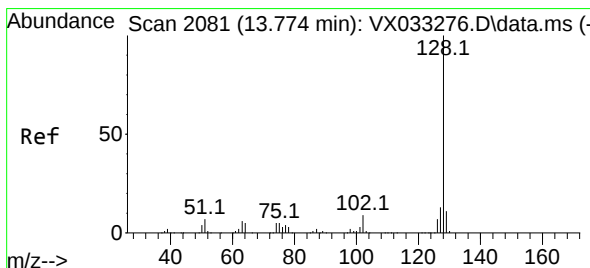
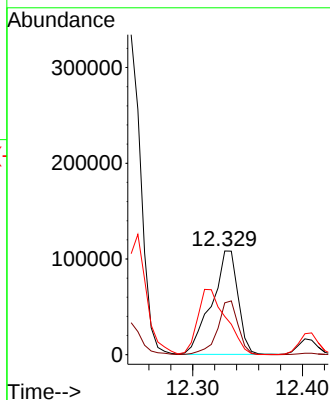
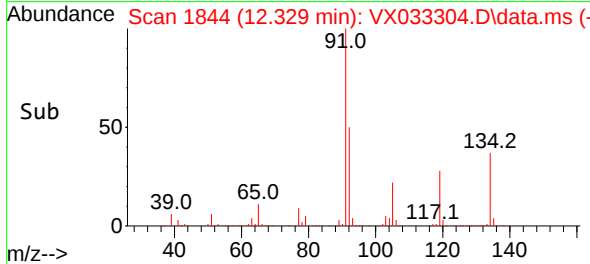
Instrument :
MSVOA_X
ClientSampleId :
MW-13R



Tgt Ion: 91 Resp: 180504
Ion Ratio Lower Upper
91 100
92 40.8 26.2 78.6
134 0.0 12.9 38.6

Manual Integrations
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Reviewed By :John Carlone 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022



#95
Naphthalene
Concen: 240.079 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033304.D
Acq: 08 Dec 2022 00:10

Tgt Ion:128 Resp: 1852298
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.3 8.9 13.3

