

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033332.D
 Acq On : 08 Dec 2022 18:36
 Operator : JC/MD
 Sample : N5906-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6R

Quant Time: Dec 09 00:53:11 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 12/09/2022
 Supervised By : Mahesh Dadoda 12/09/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	163301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	260278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	43890	41.894	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.780%		
35) Dibromofluoromethane	5.391	113	50988	43.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.100%		
50) Toluene-d8	8.647	98	116599	47.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.220%		
62) 4-Bromofluorobenzene	11.079	95	98049	52.361	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.720%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	15673	48.933	ug/l #	72
16) Acetone	2.386	43	3652	4.711	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	98439	19.196	ug/l #	1
22) Diisopropyl ether	3.763	45	9603	1.896	ug/l #	75
25) 2-Butanone	4.580	43	2576	2.315	ug/l	98
31) Cyclohexane	5.477	56	294903	118.447	ug/l	91
39) Methylcyclohexane	7.385	83	299372	117.183	ug/l	99
40) Benzene	6.050	78	10276738	1544.246	ug/l	95
52) Toluene	8.720	92	244610	56.850	ug/l	99
65) Chlorobenzene	10.079	112	7979	1.642	ug/l	89
67) Ethyl Benzene	10.201	91	7700725	909.889	ug/l #	86
68) m/p-Xylenes	10.305	106	453423	137.700	ug/l	97
69) o-Xylene	10.640	106	123677	37.999	ug/l	97
73) Isopropylbenzene	10.963	105	1384450	161.126	ug/l	98
78) n-propylbenzene	11.305	91	3244724	338.201	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	204906	28.649	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	307854	43.120	ug/l	97
85) sec-Butylbenzene	11.890	105	140713	16.910	ug/l	97
86) p-Isopropyltoluene	12.012	119	15249m	2.125	ug/l	
89) n-Butylbenzene	12.329	91	163148	27.765	ug/l #	64
95) Naphthalene	13.780	128	3660559	462.420	ug/l	98

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

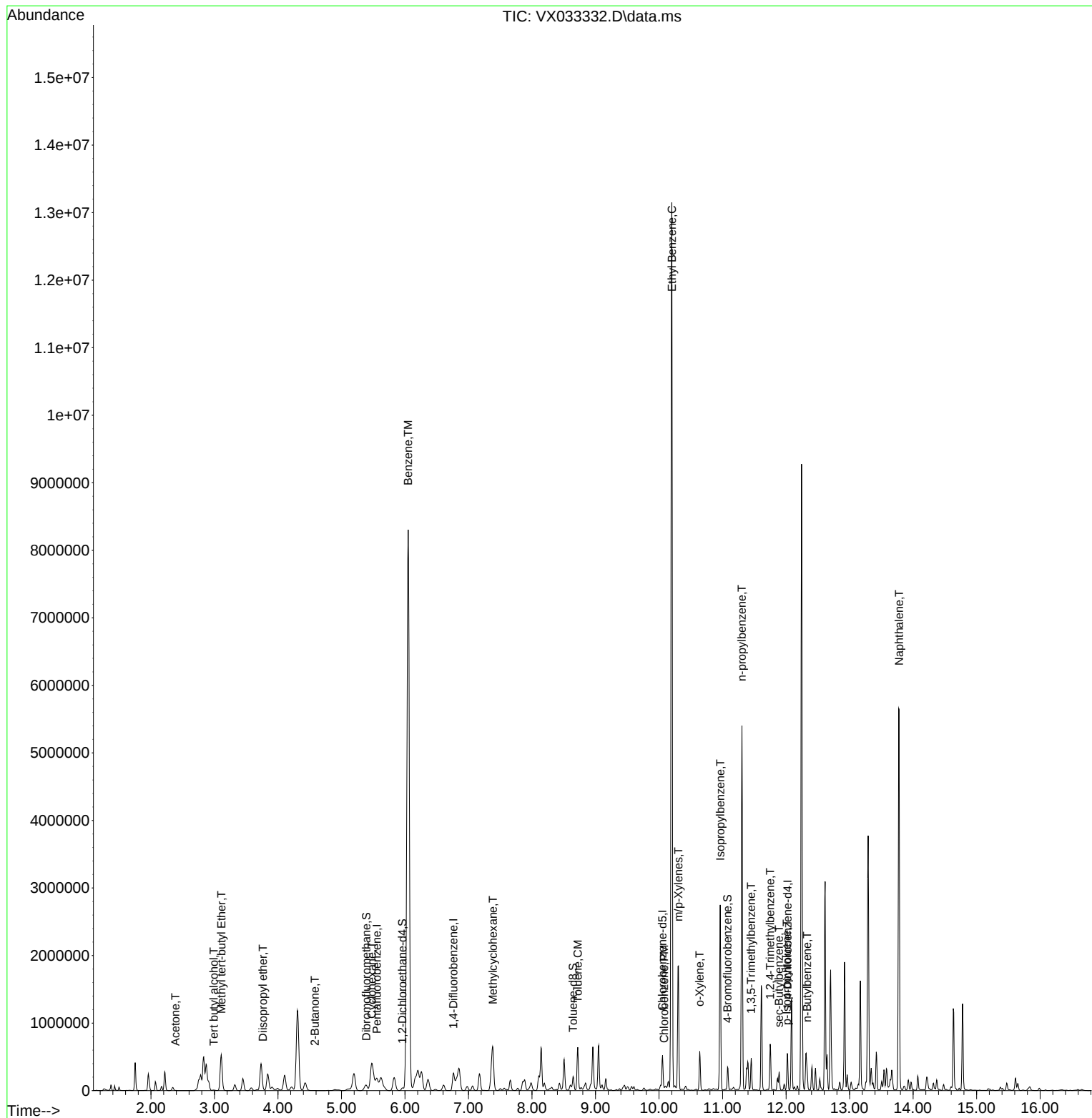
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
Data File : VX033332.D
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MW-6R

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
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Manual Integrations
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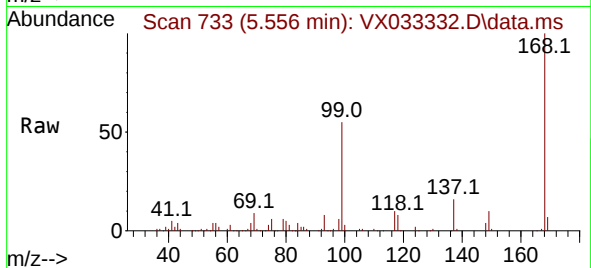
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

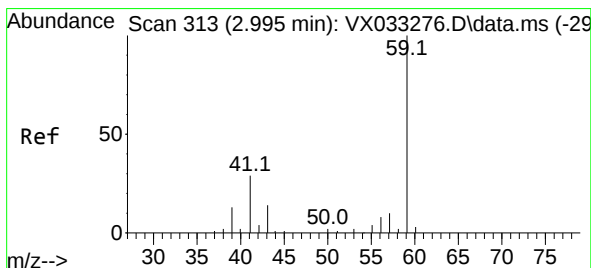
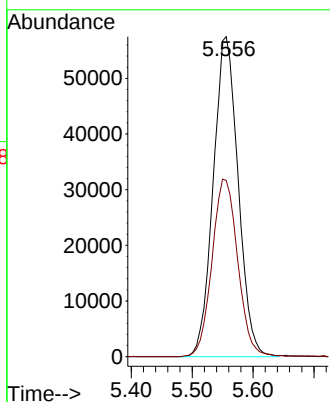
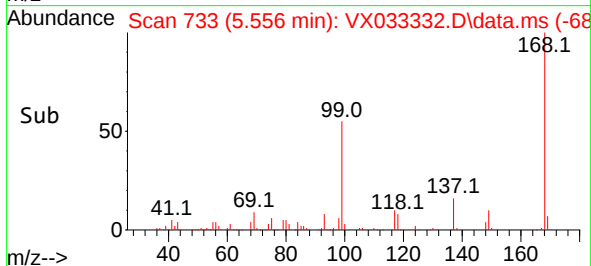
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



Tgt Ion:168 Resp: 16330
Ion Ratio Lower Upper
168 100
99 55.1 46.1 69.1

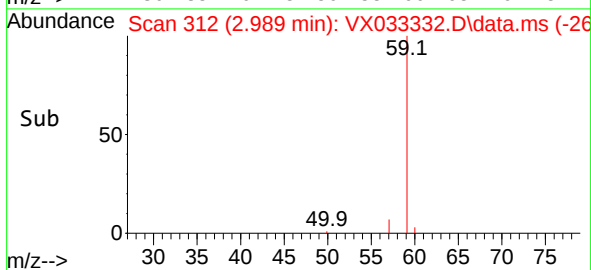
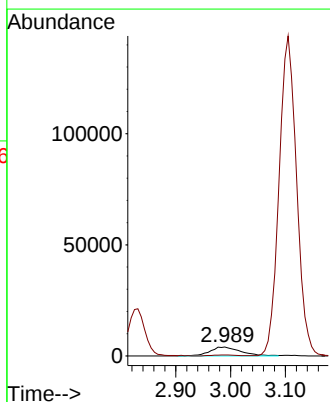
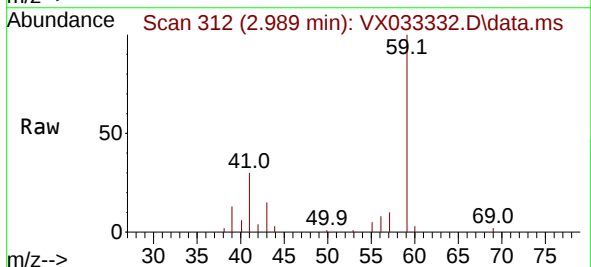
Manual Integrations
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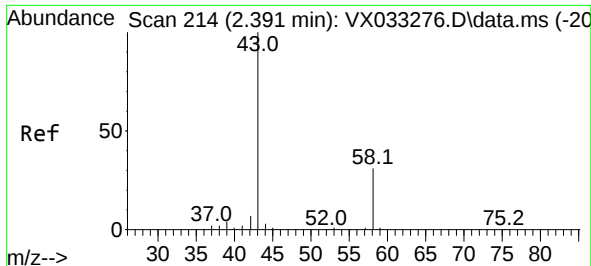
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#11
Tert butyl alcohol
Concen: 48.933 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

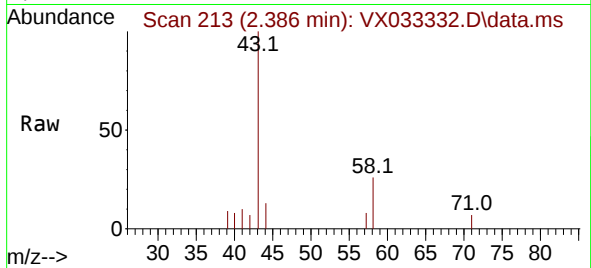
Tgt Ion: 59 Resp: 15673
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16
Acetone
Concen: 4.711 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

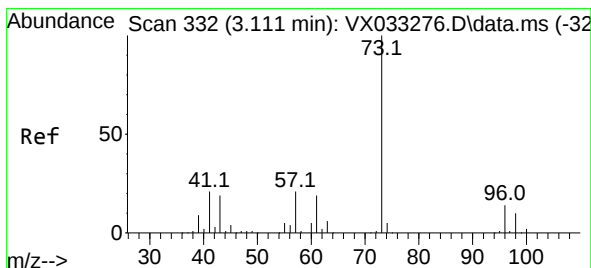
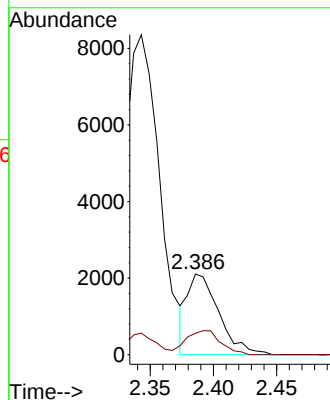
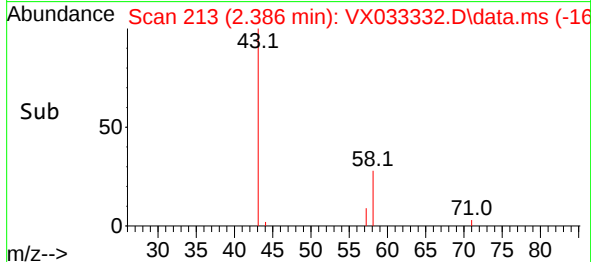
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



Tgt Ion: 43 Resp: 3652
Ion Ratio Lower Upper
43 100
58 26.4 23.8 35.8

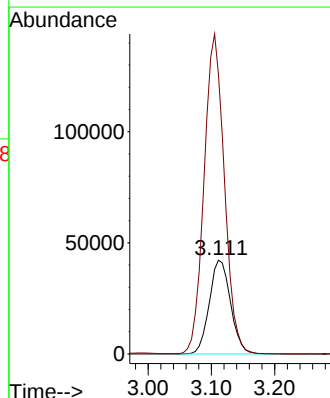
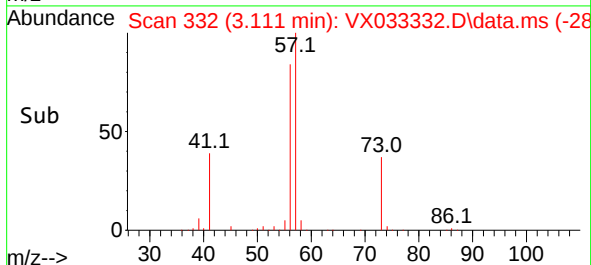
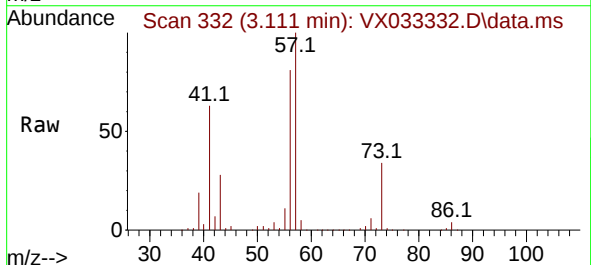
Manual Integrations
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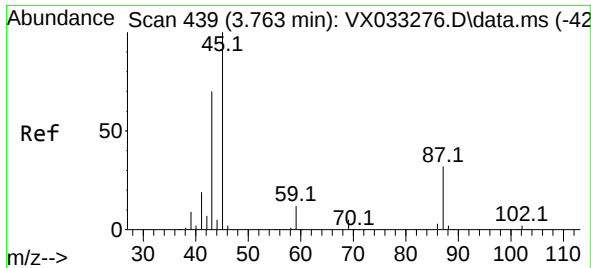
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#19
Methyl tert-butyl Ether
Concen: 19.196 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

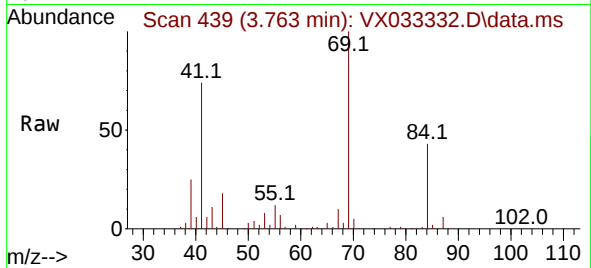
Tgt Ion: 73 Resp: 98439
Ion Ratio Lower Upper
73 100
57 297.9 16.6 25.0#





#22
Diisopropyl ether
Concen: 1.896 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

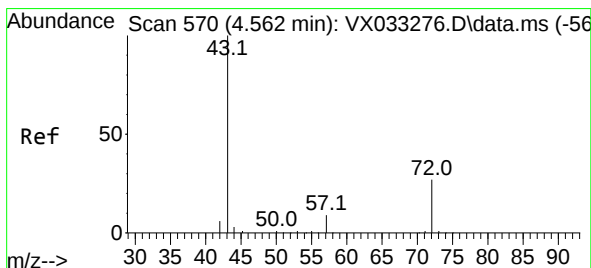
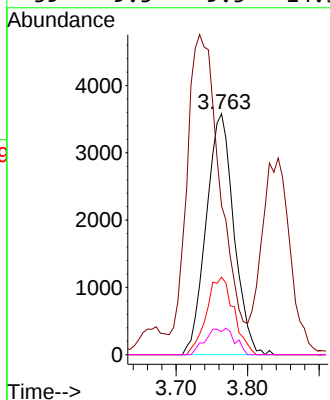
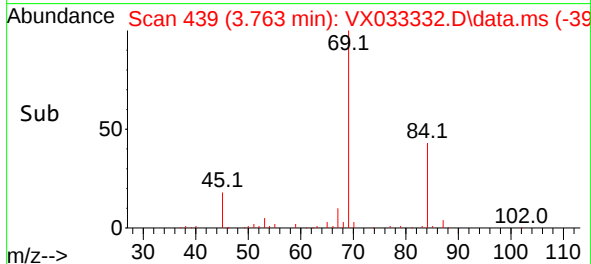
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



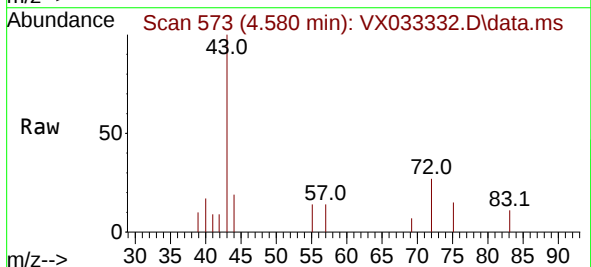
Tgt Ion:	45	Ratio	100	Lower	Upper
43	39.7	56.4	84.6		
87	32.1	24.4	36.6		
59	9.5	9.5	14.3		

Manual Integrations
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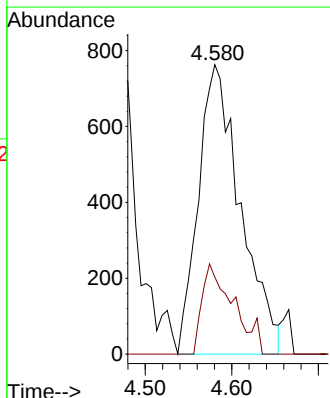
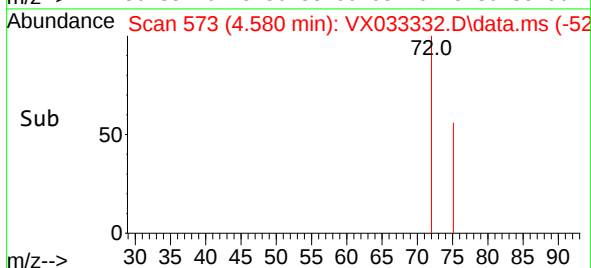
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022

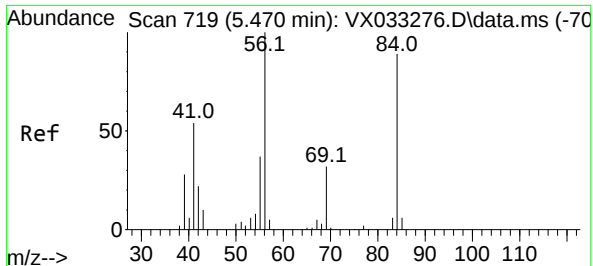


#25
2-Butanone
Concen: 2.315 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36



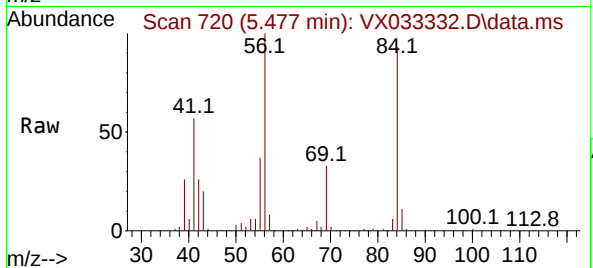
Tgt Ion:	43	Ratio	100	Lower	Upper
72	26.6	22.2	33.2		





#31
Cyclohexane
Concen: 118.447 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

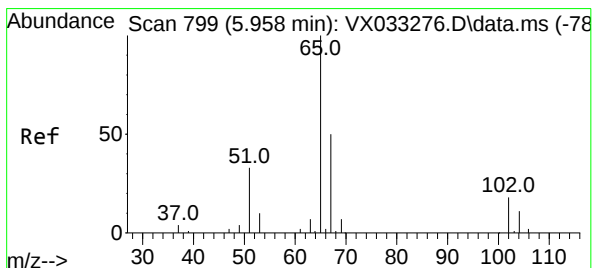
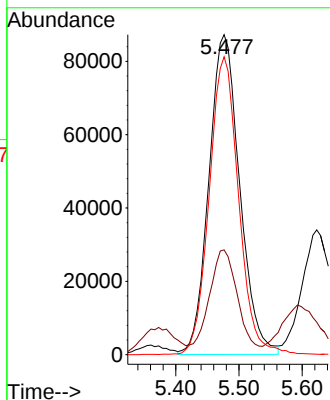
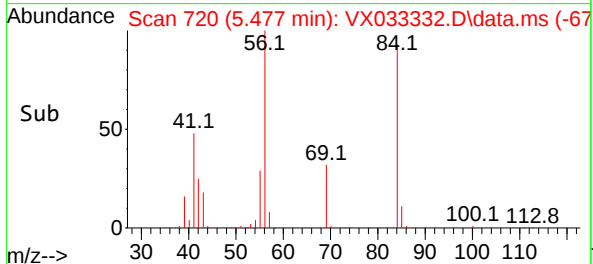
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



Tgt Ion: 56 Resp: 29490
Ion Ratio Lower Upper
56 100
69 28.5 24.1 36.1
84 93.8 66.9 100.3

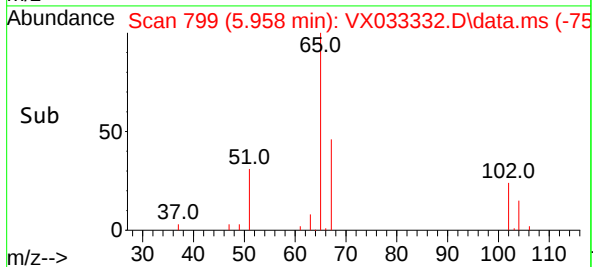
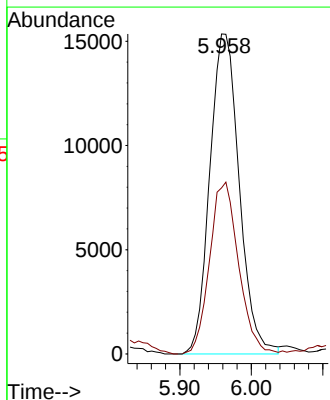
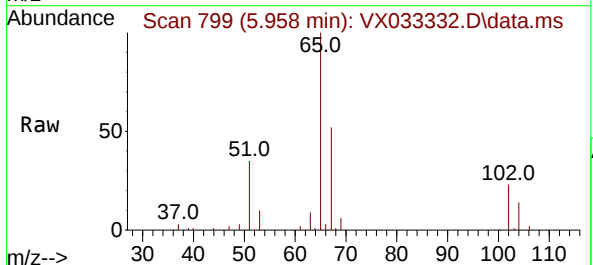
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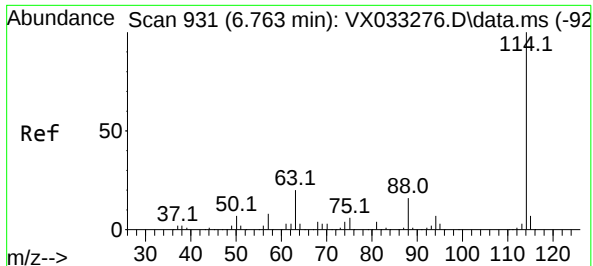
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#33
1,2-Dichloroethane-d4
Concen: 41.894 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Tgt Ion: 65 Resp: 43890
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033332.D

Acq: 08 Dec 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-6R

Tgt Ion:114 Resp: 260278

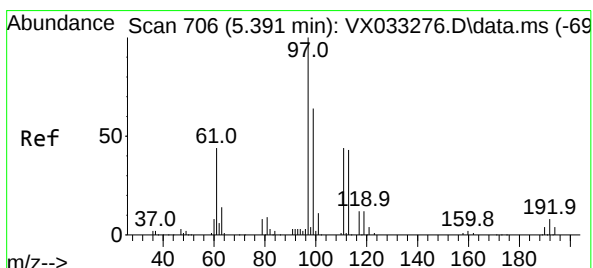
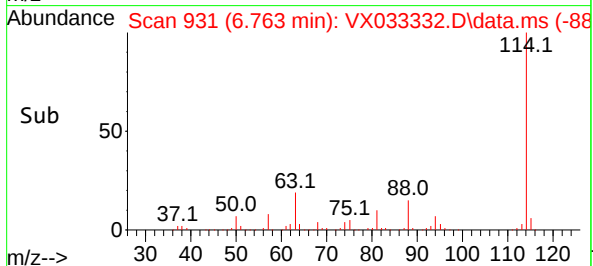
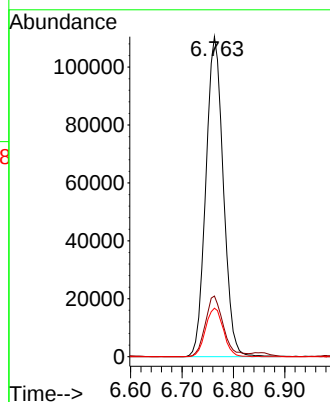
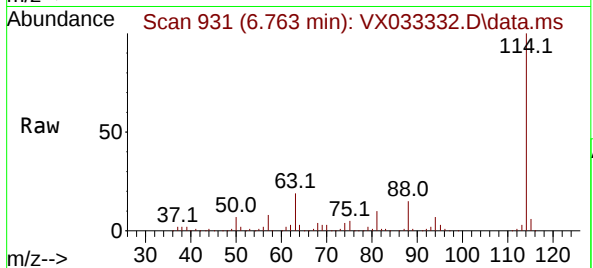
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	41.6
88	15.2	0.0	33.4

Manual Integrations

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#35

Dibromofluoromethane

Concen: 43.554 ug/l

RT: 5.391 min Scan# 706

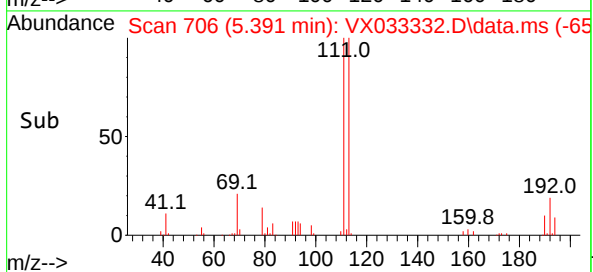
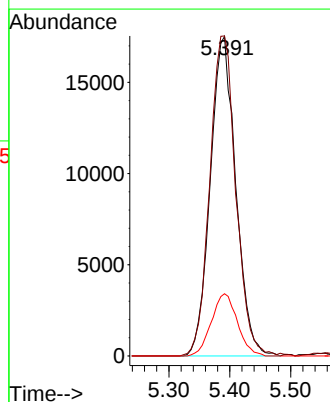
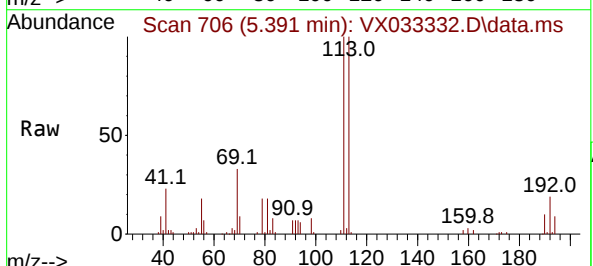
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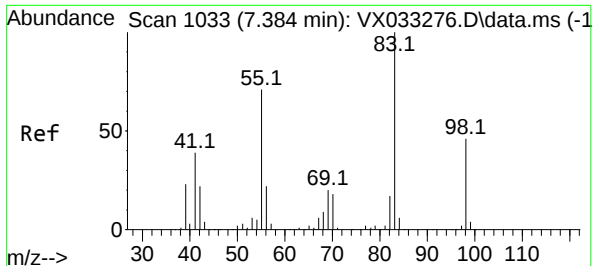
Lab File: VX033332.D

Acq: 08 Dec 2022 18:36

Tgt Ion:113 Resp: 50988

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	19.8	15.4	23.2





#39

Methylcyclohexane

Concen: 117.183 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX033332.D

Acq: 08 Dec 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-6R

Tgt Ion: 83 Resp: 299372

Ion Ratio Lower Upper

83 100

55 73.9 58.4 87.6

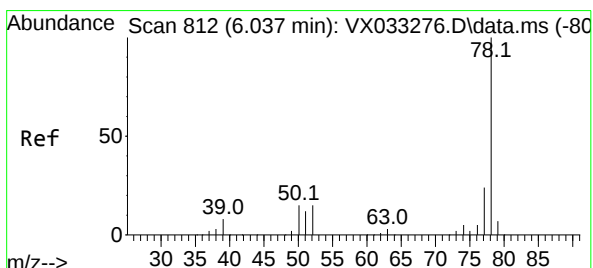
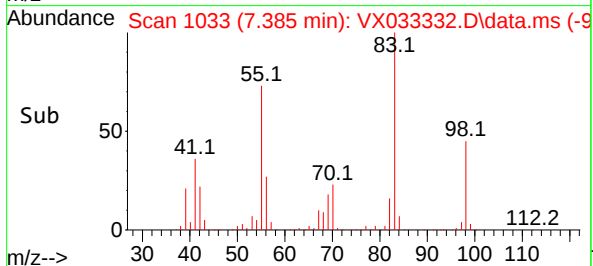
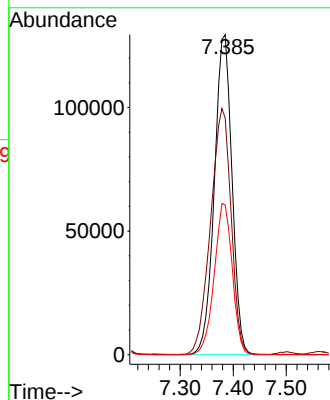
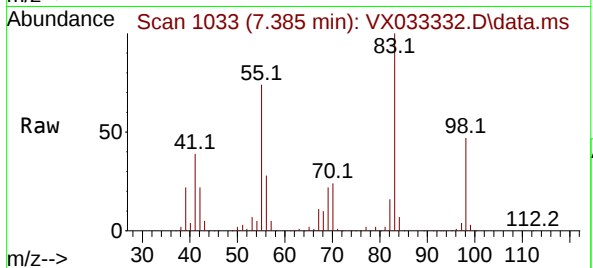
98 46.8 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/09/2022

Supervised By :Mahesh Dadoda 12/09/2022



#40

Benzene

Concen: 1544.246 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.012 min

Lab File: VX033332.D

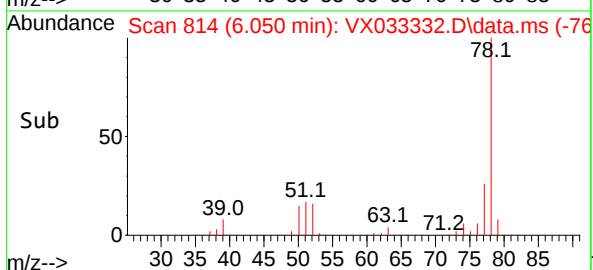
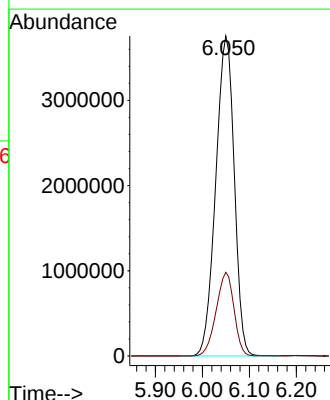
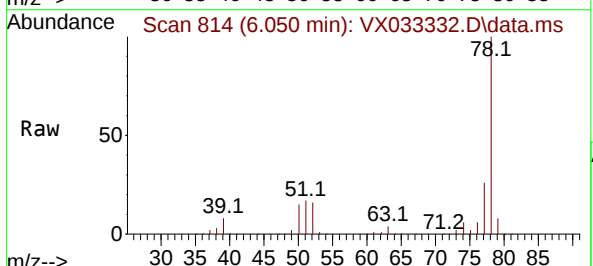
Acq: 08 Dec 2022 18:36

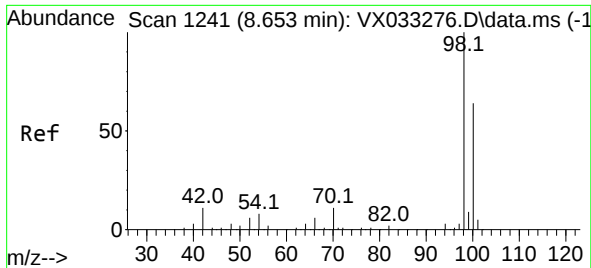
Tgt Ion: 78 Resp:10276738

Ion Ratio Lower Upper

78 100

77 26.2 19.0 28.4





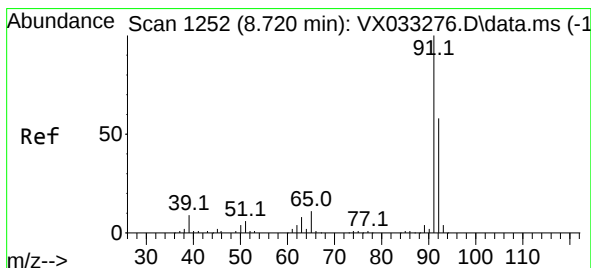
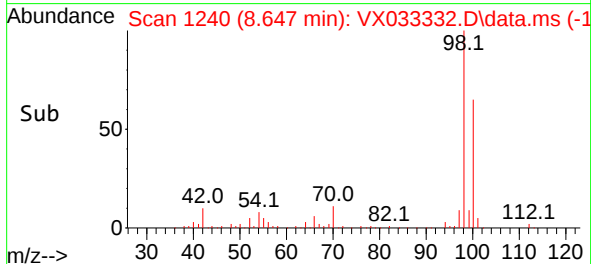
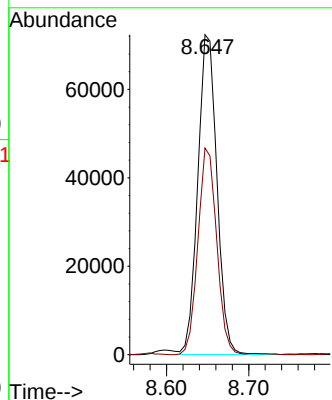
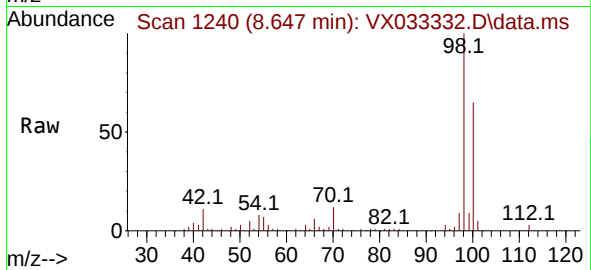
#50
Toluene-d8
Concen: 47.611 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW-6R

Tgt Ion: 98 Resp: 116599
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3

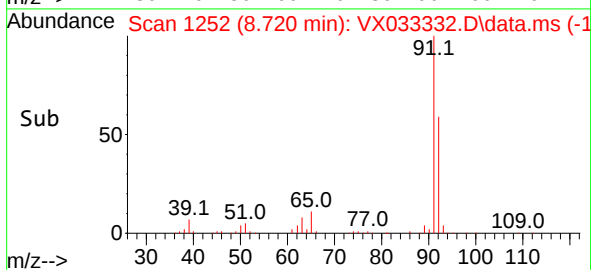
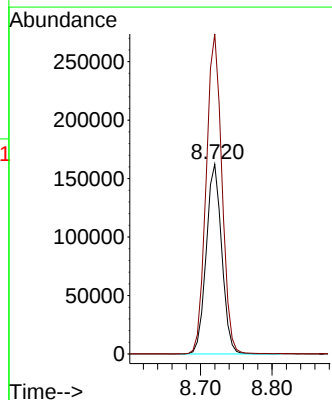
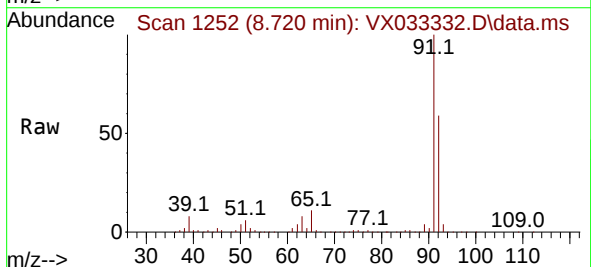
Manual Integrations
APPROVED

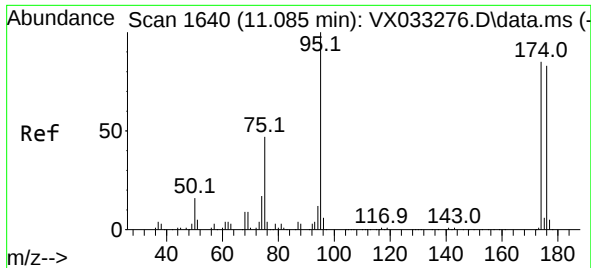
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#52
Toluene
Concen: 56.850 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

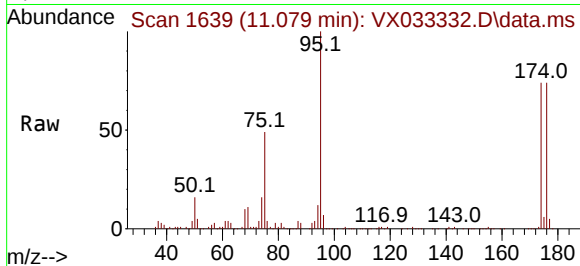
Tgt Ion: 92 Resp: 244610
Ion Ratio Lower Upper
92 100
91 170.9 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 52.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

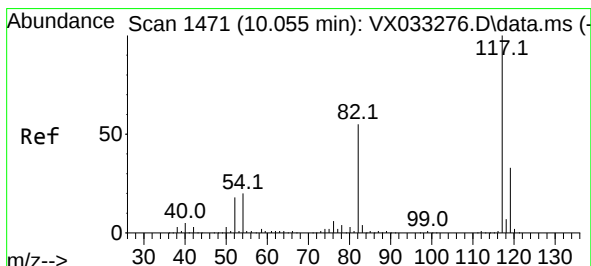
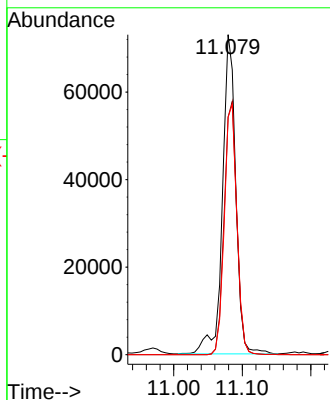
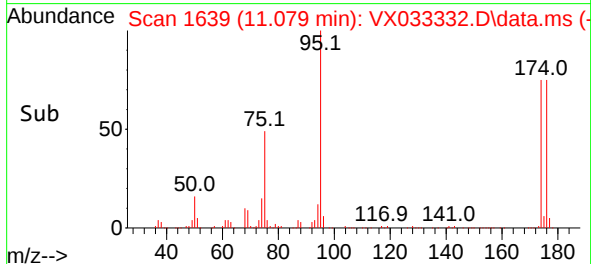
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



Tgt Ion: 95 Resp: 98049
Ion Ratio Lower Upper
95 100
174 75.5 0.0 164.0
176 74.0 0.0 154.4

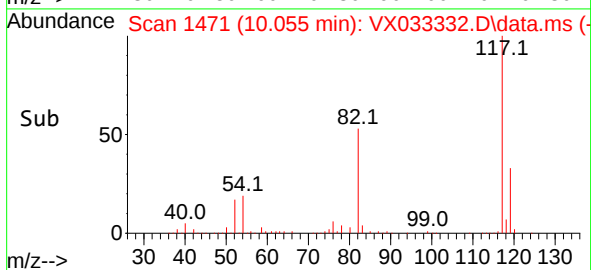
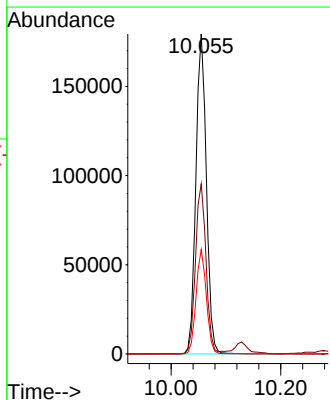
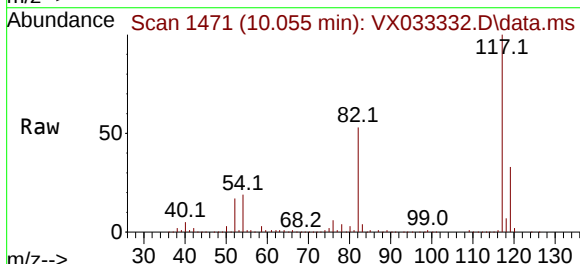
Manual Integrations
APPROVED

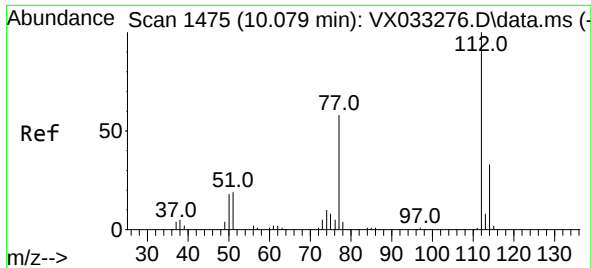
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Tgt Ion:117 Resp: 239900
Ion Ratio Lower Upper
117 100
82 53.1 44.3 66.5
119 32.7 25.7 38.5





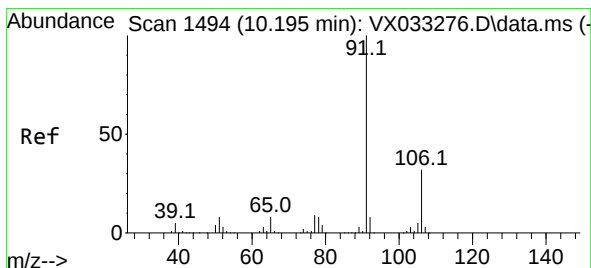
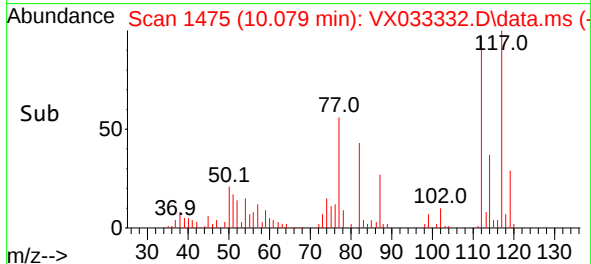
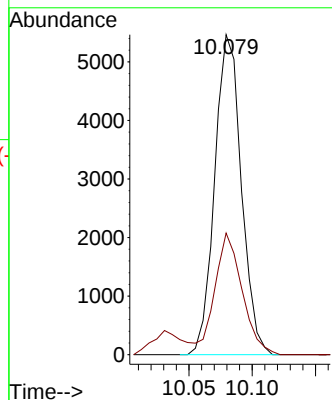
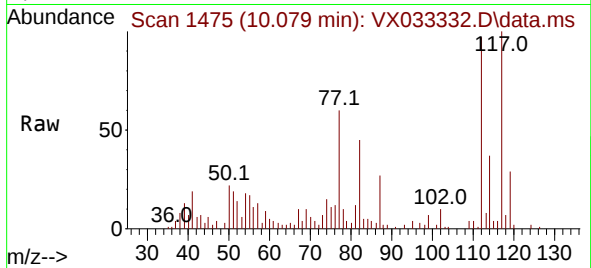
#65
Chlorobenzene
Concen: 1.642 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW-6R

Tgt Ion:112 Resp: 7979
Ion Ratio Lower Upper
112 100
114 38.0 25.4 38.2

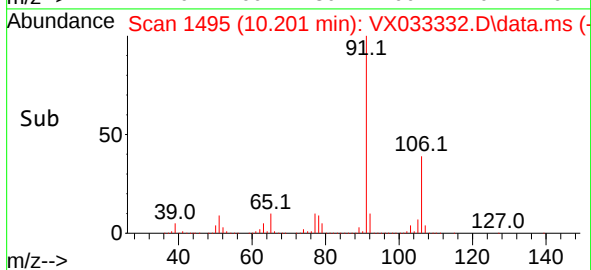
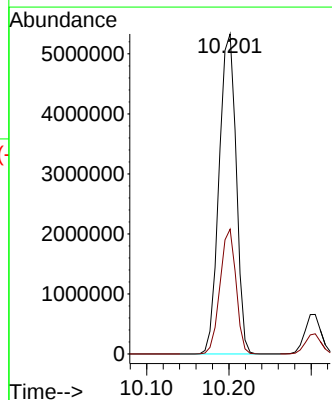
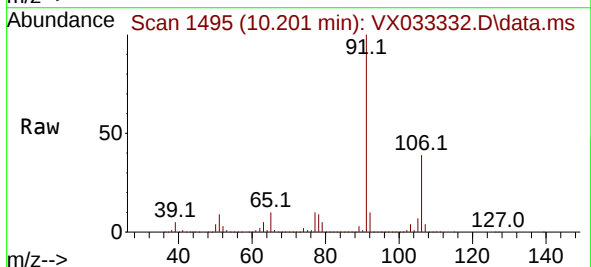
Manual Integrations
APPROVED

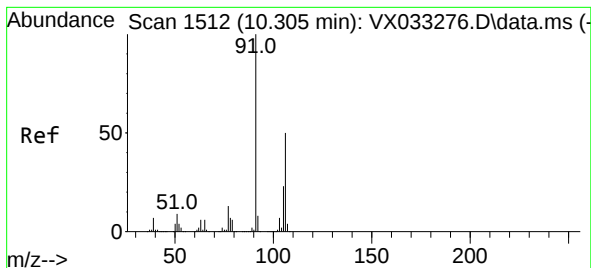
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#67
Ethyl Benzene
Concen: 909.889 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Tgt Ion: 91 Resp: 7700725
Ion Ratio Lower Upper
91 100
106 39.0 25.0 37.6#





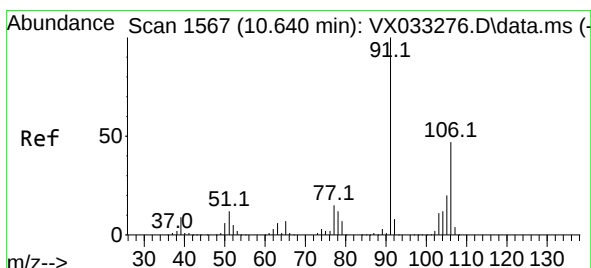
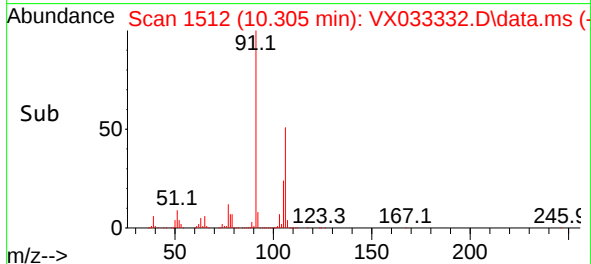
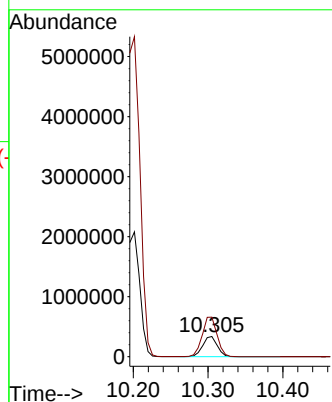
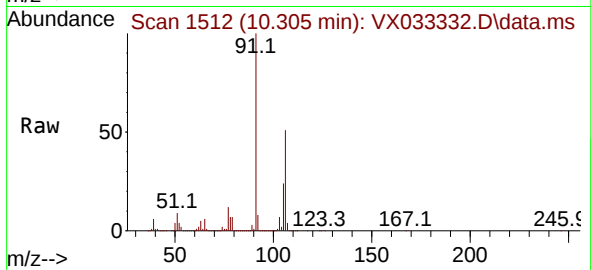
#68
m/p-Xylenes
Concen: 137.700 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW-6R

Tgt Ion:106 Resp: 45342
Ion Ratio Lower Upper
106 100
91 200.5 164.5 246.7

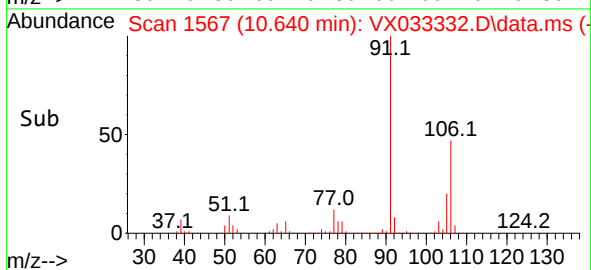
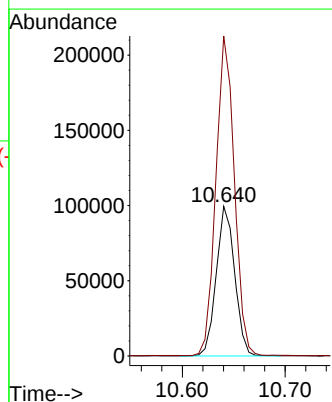
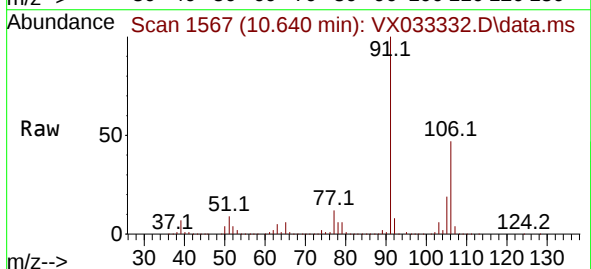
Manual Integrations
APPROVED

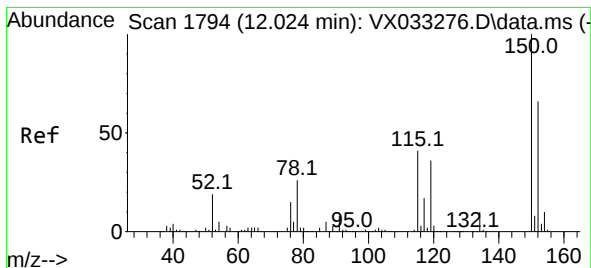
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022



#69
o-Xylene
Concen: 37.999 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Tgt Ion:106 Resp: 123677
Ion Ratio Lower Upper
106 100
91 214.1 109.2 327.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033332.D

Acq: 08 Dec 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-6R

Tgt Ion:152 Resp: 118540

Ion Ratio Lower Upper

152 100

115 61.4 44.0 132.0

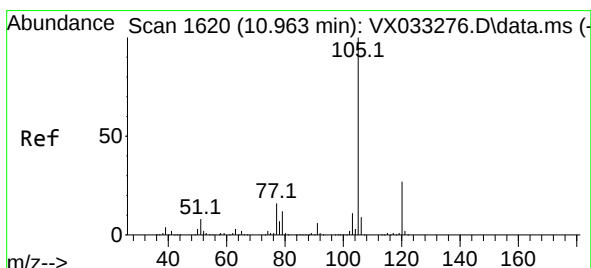
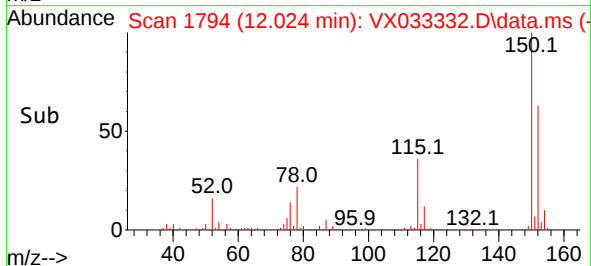
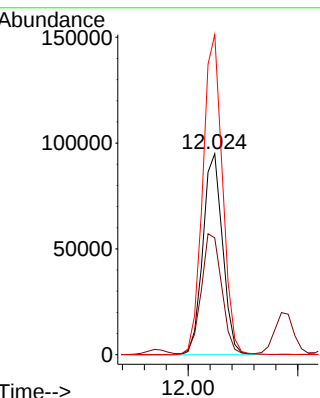
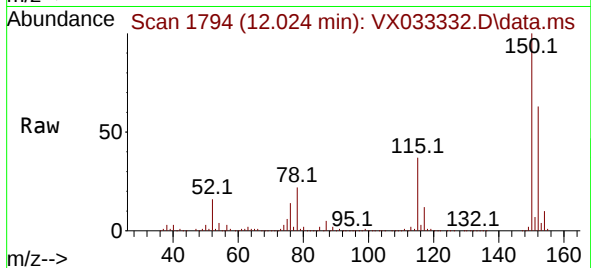
150 159.3 0.0 351.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/09/2022

Supervised By :Mahesh Dadoda 12/09/2022



#73

Isopropylbenzene

Concen: 161.126 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX033332.D

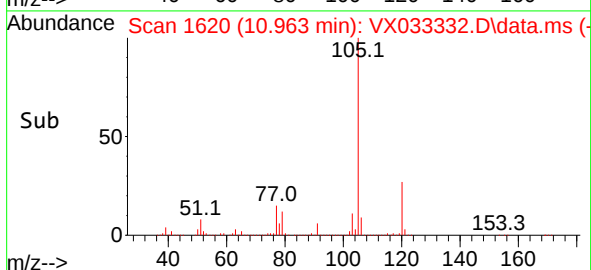
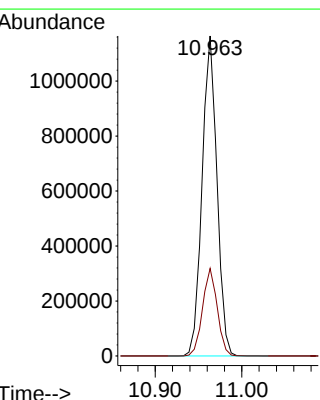
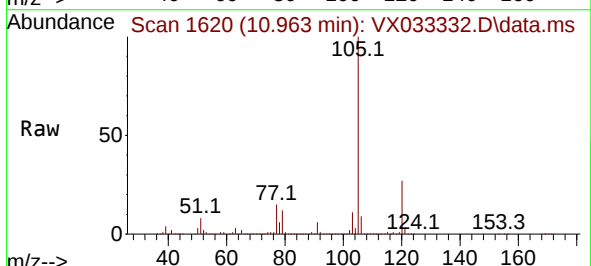
Acq: 08 Dec 2022 18:36

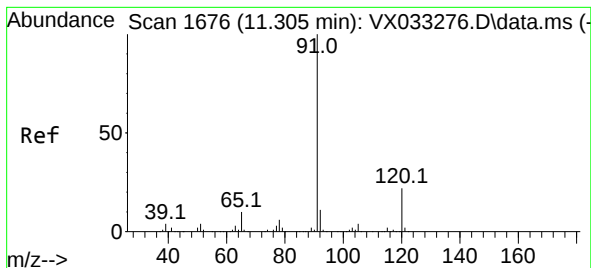
Tgt Ion:105 Resp: 1384450

Ion Ratio Lower Upper

105 100

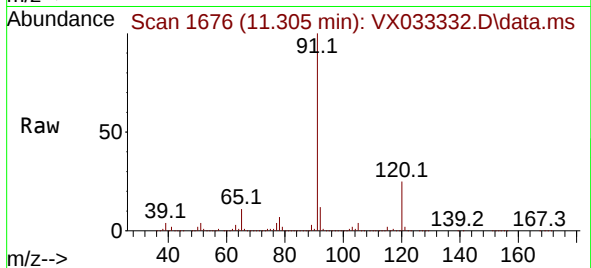
120 27.0 13.1 39.3





#78
n-propylbenzene
Concen: 338.201 ug/l
RT: 11.305 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

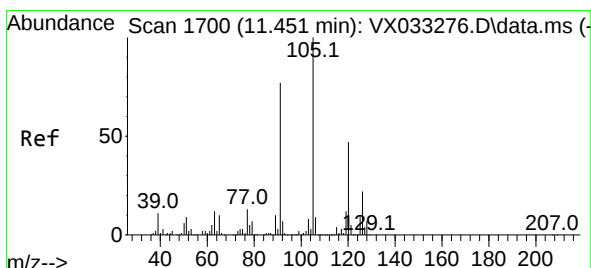
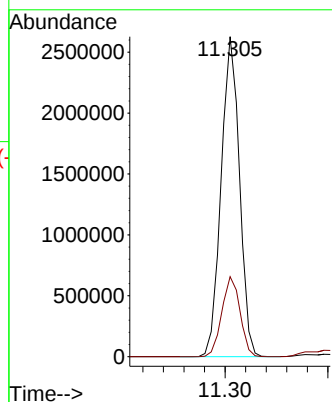
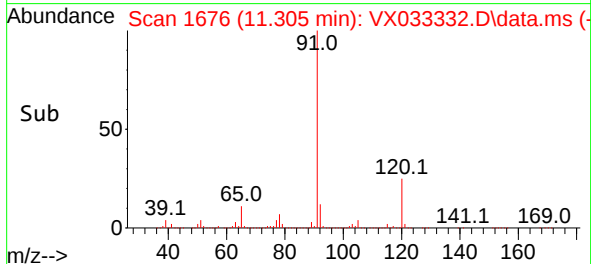
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



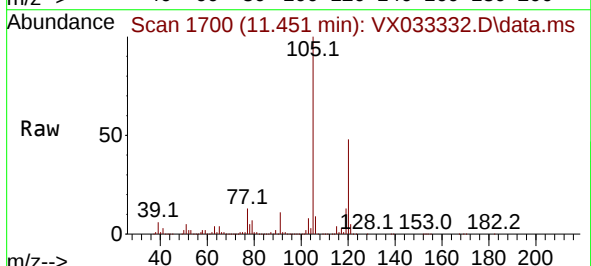
Tgt Ion: 91 Resp: 3244724
Ion Ratio Lower Upper
91 100
120 24.8 11.6 34.8

Manual Integrations
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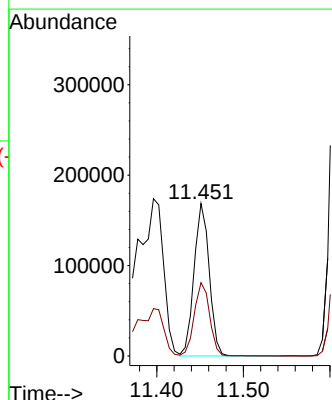
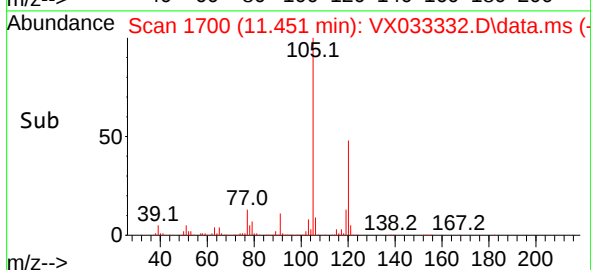
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022

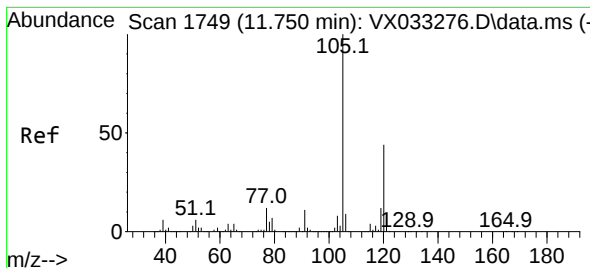


#80
1,3,5-Trimethylbenzene
Concen: 28.649 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36



Tgt Ion:105 Resp: 204906
Ion Ratio Lower Upper
105 100
120 48.5 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 43.120 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX033332.D

Acq: 08 Dec 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-6R

Tgt Ion:105 Resp: 307854

Ion Ratio Lower Upper

105 100

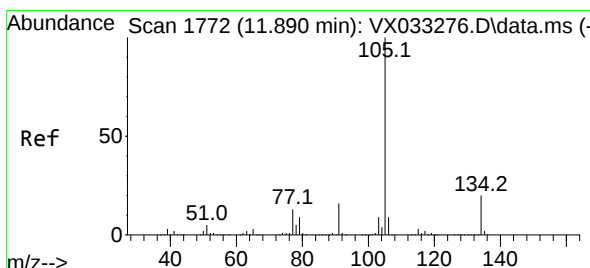
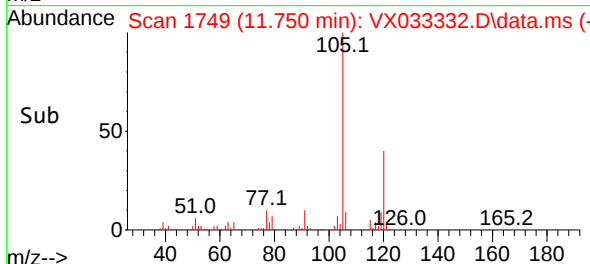
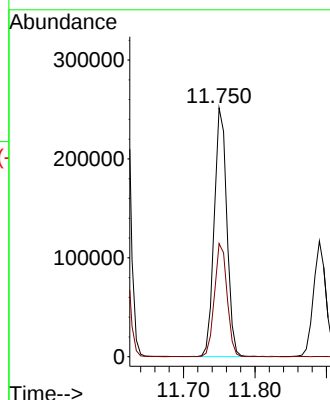
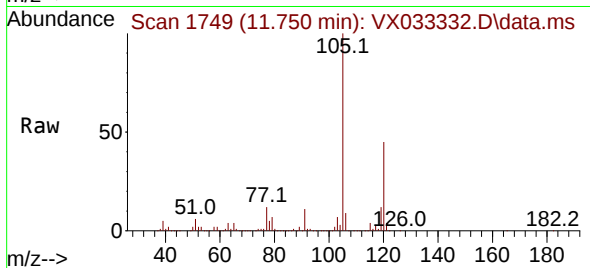
120 45.7 21.9 65.5

Manual Integrations

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Reviewed By :John Carlone 12/09/2022

Supervised By :Mahesh Dadoda 12/09/2022



#85

sec-Butylbenzene

Concen: 16.910 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX033332.D

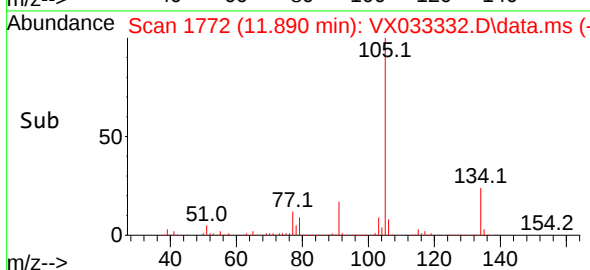
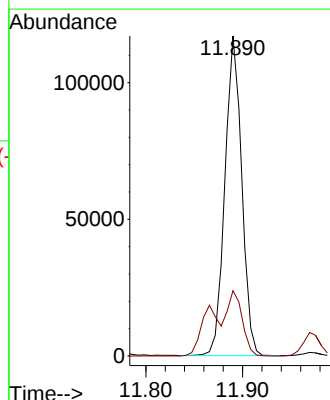
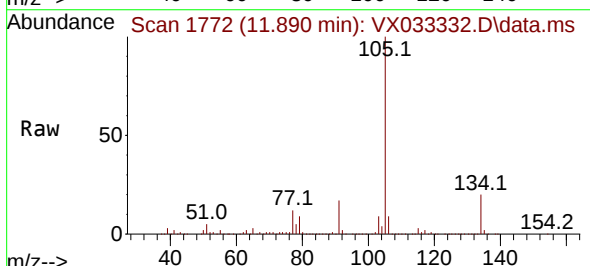
Acq: 08 Dec 2022 18:36

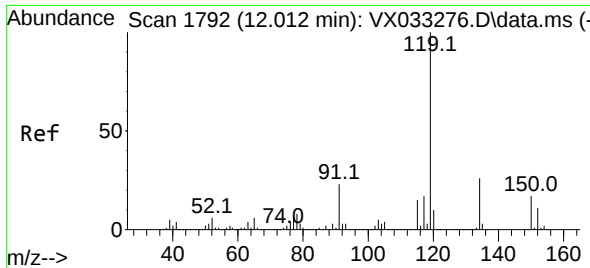
Tgt Ion:105 Resp: 140713

Ion Ratio Lower Upper

105 100

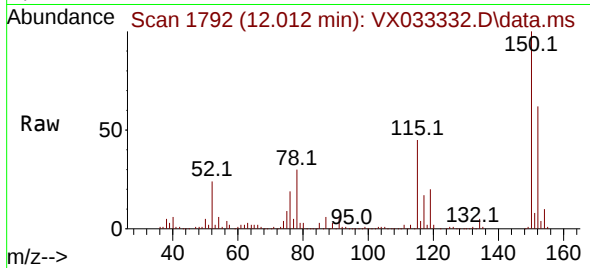
134 18.6 9.9 29.7





#86
p-Isopropyltoluene
Concen: 2.125 ug/l m
RT: 12.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

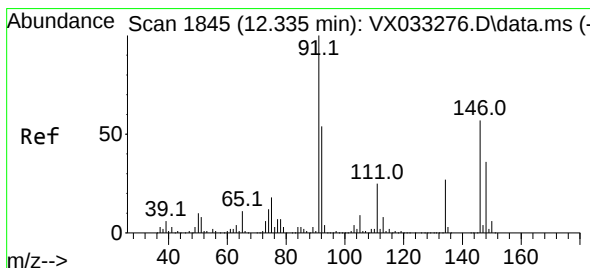
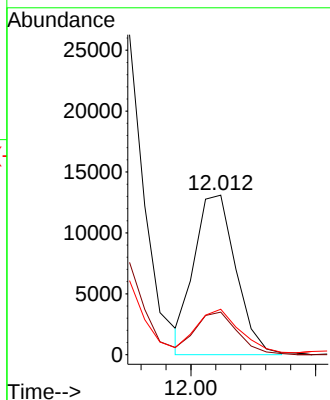
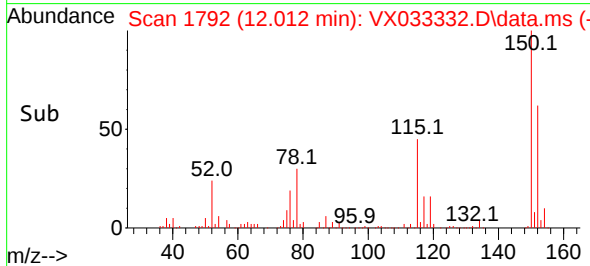
Instrument :
MSVOA_X
ClientSampleId :
MW-6R



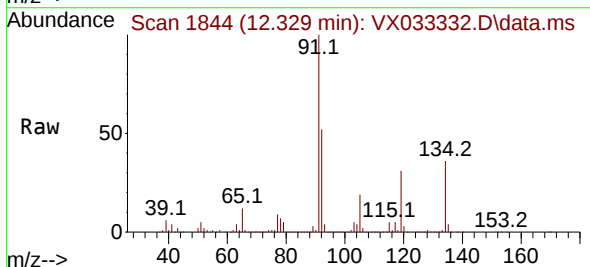
Tgt Ion: 119 Resp: 15249
Ion Ratio Lower Upper
119 100
134 69.0 12.9 38.7
91 0.0 12.5 37.5

Manual Integrations
APPROVED

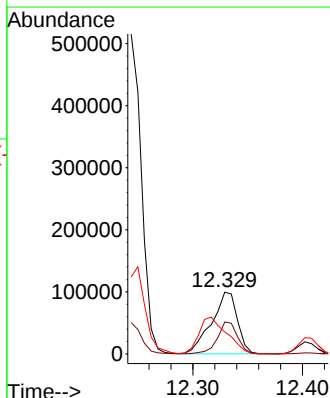
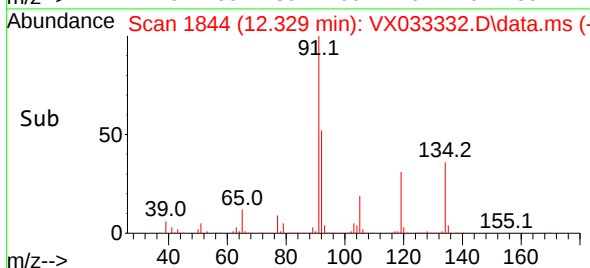
Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022

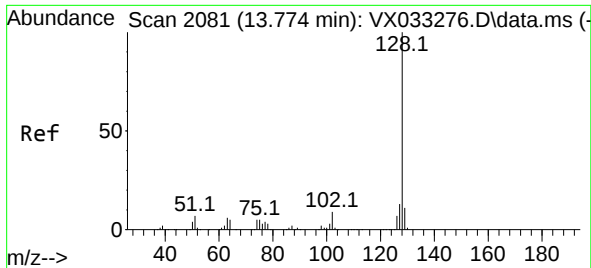


#89
n-Butylbenzene
Concen: 27.765 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36



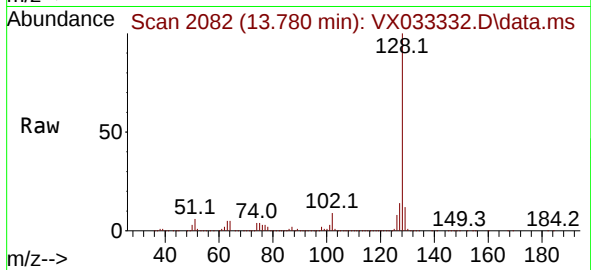
Tgt Ion: 91 Resp: 163148
Ion Ratio Lower Upper
91 100
92 40.6 26.2 78.6
134 63.8 12.9 38.6





#95
Naphthalene
Concen: 462.420 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033332.D
Acq: 08 Dec 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :
MW-6R



Tgt Ion:128 Resp: 366055
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 11.8 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/09/2022
Supervised By :Mahesh Dadoda 12/09/2022

