

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032996.D
 Acq On : 22 Nov 2022 22:13
 Operator : JC/MD
 Sample : N5741-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 23 05:51:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198627	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60085	50.096	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.200%			
35) Dibromofluoromethane	5.385	113	49797	44.470	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.940%			
50) Toluene-d8	8.647	98	155352	45.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.860%#			
62) 4-Bromofluorobenzene	11.079	95	74823	50.867	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.740%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.002	59	187824	991.120	ug/l	98
16) Acetone	2.392	43	5459	9.778	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	362866	97.669	ug/l	100
22) Diisopropyl ether	3.764	45	15849	4.209	ug/l #	82
25) 2-Butanone	4.581	43	2363m	3.069	ug/l	
39) Methylcyclohexane	7.379	83	589	0.288	ug/l	86
40) Benzene	6.044	78	1224521	243.922	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	3312	2.078	ug/l	93
52) Toluene	8.720	92	28956	8.767	ug/l	100
67) Ethyl Benzene	10.195	91	490614	78.056	ug/l	99
68) m/p-Xylenes	10.305	106	218613	88.820	ug/l	99
69) o-Xylene	10.640	106	120392	50.553	ug/l	100
73) Isopropylbenzene	10.964	105	28658	4.430	ug/l	99
78) n-propylbenzene	11.305	91	64576	8.731	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	43207	7.951	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	324741	59.929	ug/l	99
85) sec-Butylbenzene	11.890	105	3194m	0.494	ug/l	
86) p-Isopropyltoluene	12.012	119	1922	0.351	ug/l #	68
89) n-Butylbenzene	12.323	91	4230	0.895	ug/l #	26
95) Naphthalene	13.774	128	213895	36.951	ug/l	99

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

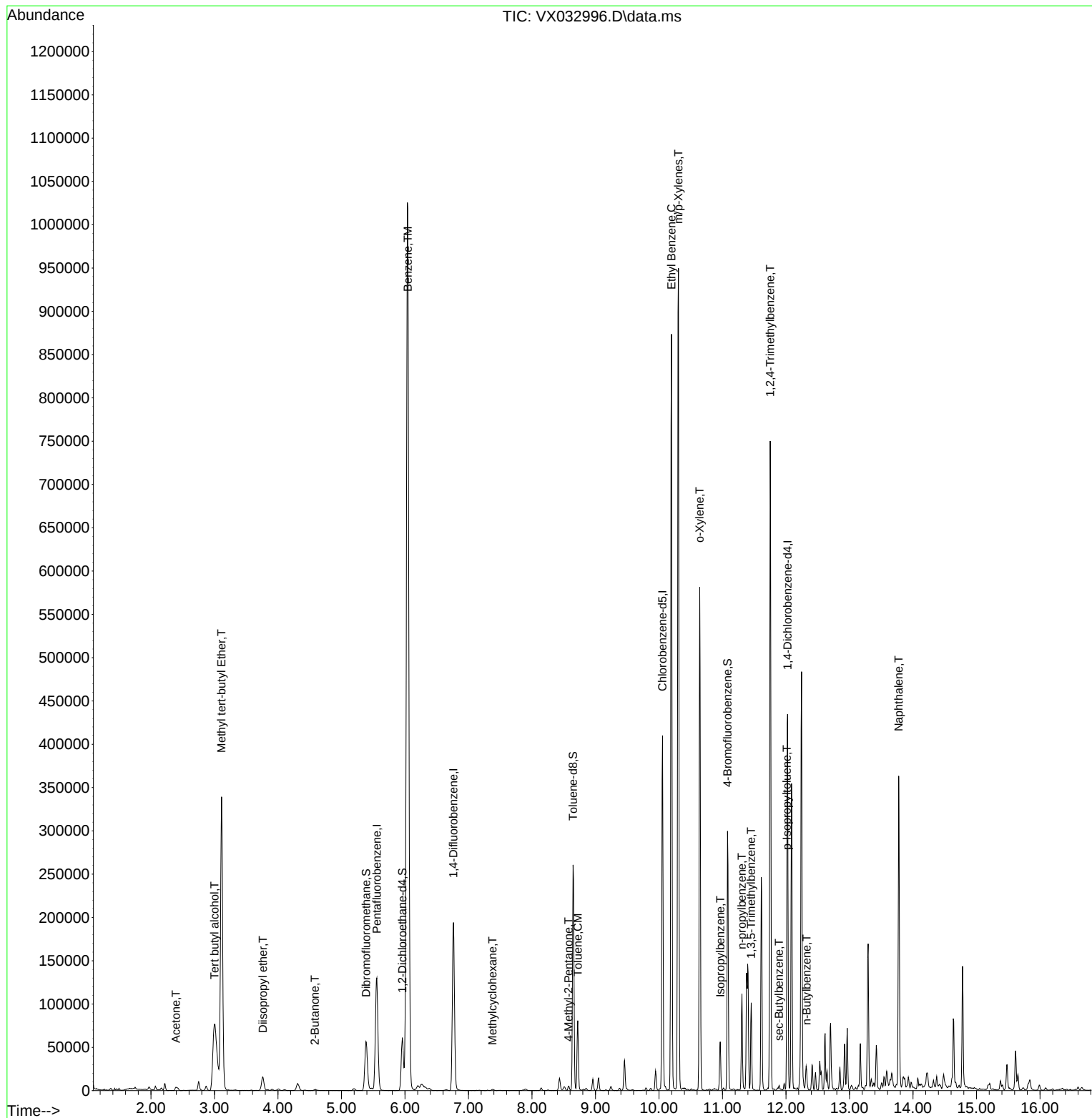
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
Data File : VX032996.D
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Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

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APPROVED

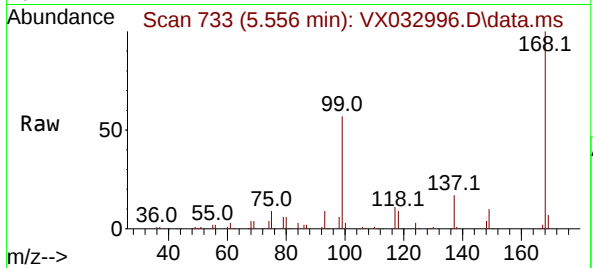
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

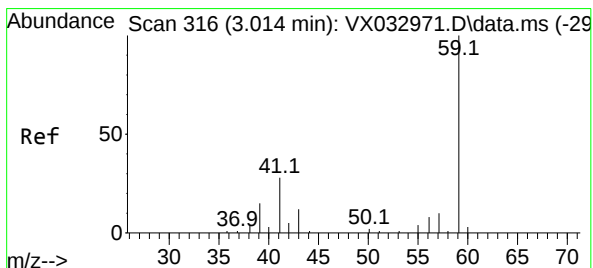
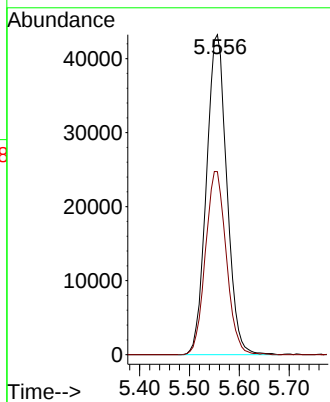
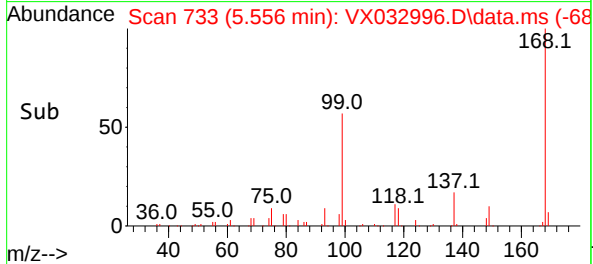
Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion:168 Resp: 122758
Ion Ratio Lower Upper
168 100
99 57.2 46.1 69.1

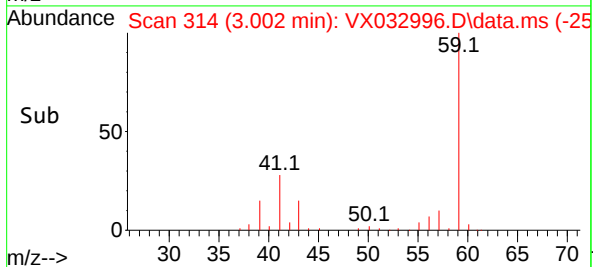
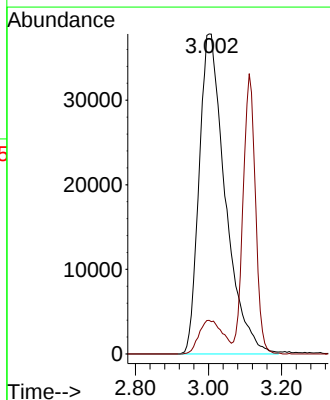
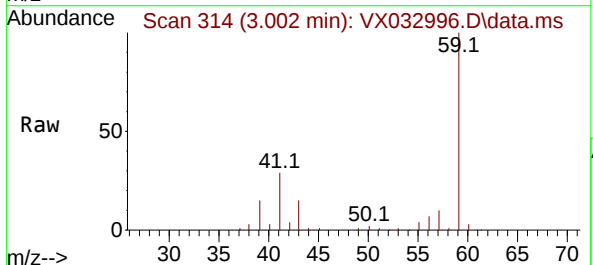
Manual Integrations
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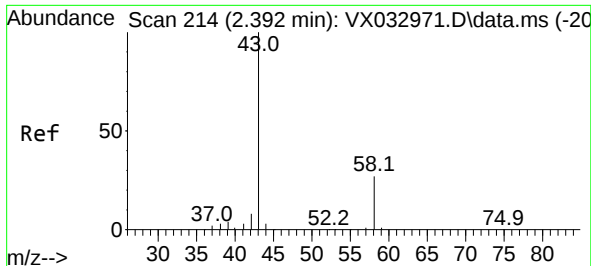
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#11
Tert butyl alcohol
Concen: 991.120 ug/l
RT: 3.002 min Scan# 314
Delta R.T. 0.037 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

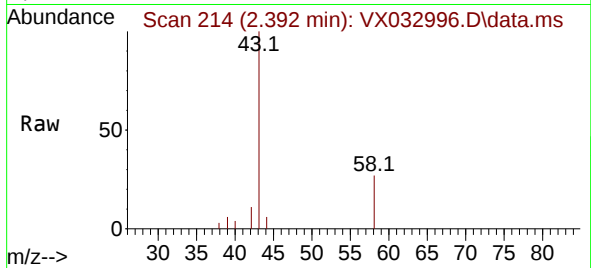
Tgt Ion: 59 Resp: 187824
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4





#16
Acetone
Concen: 9.778 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

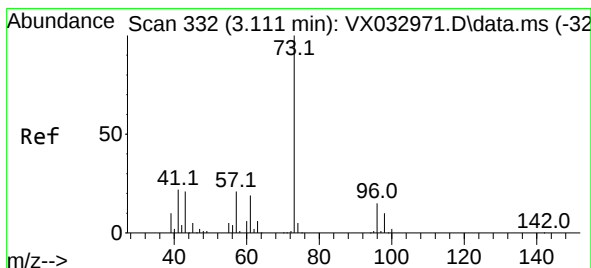
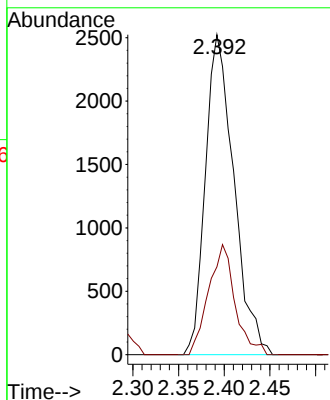
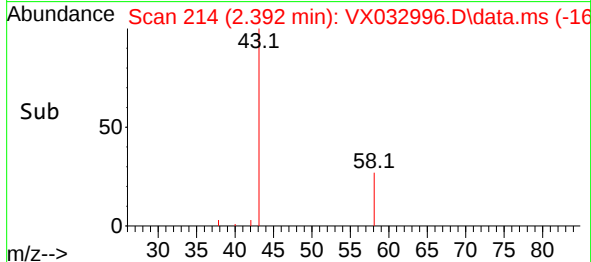
Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
58 27.5 23.8 35.8

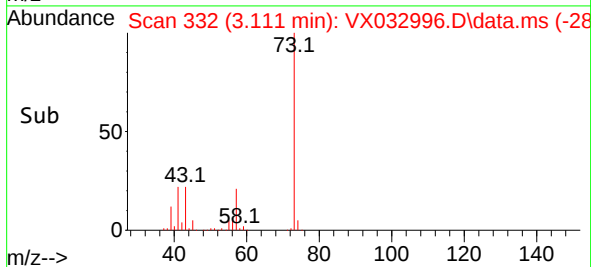
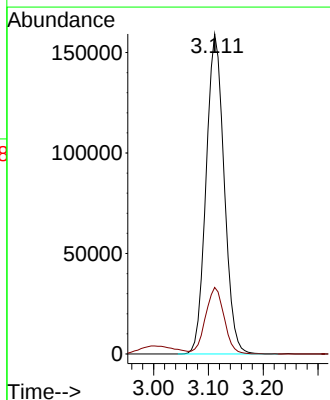
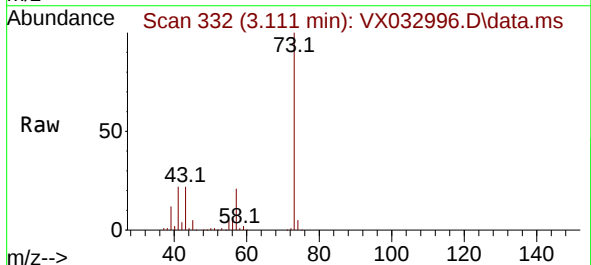
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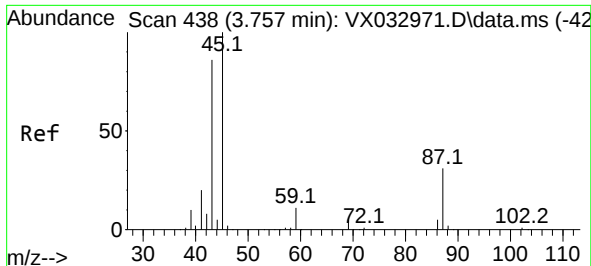
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#19
Methyl tert-butyl Ether
Concen: 97.669 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

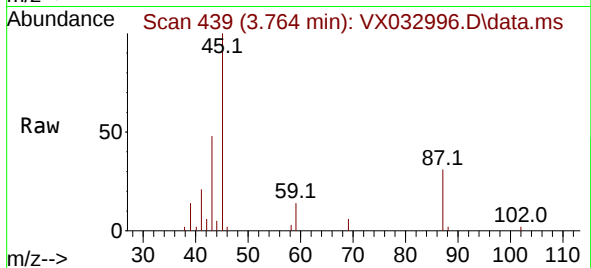
Tgt Ion: 73 Resp: 362866
Ion Ratio Lower Upper
73 100
57 20.8 16.6 25.0





#22
Diisopropyl ether
Concen: 4.209 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.001 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

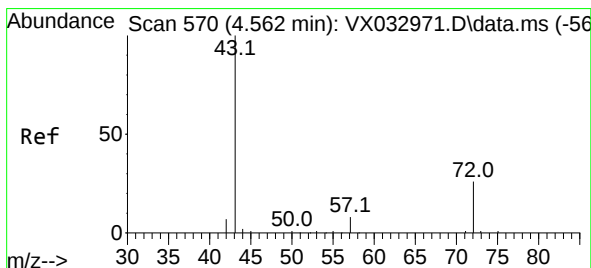
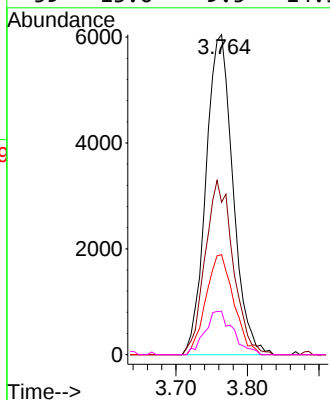
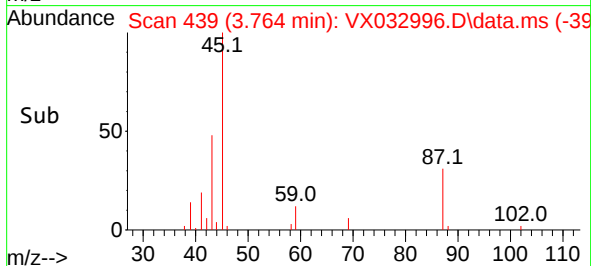
Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion:	45	Resp:	15849
Ion Ratio	100	Lower	Upper
43	47.7	56.4	84.6
87	31.3	24.4	36.6
59	13.6	9.5	14.3

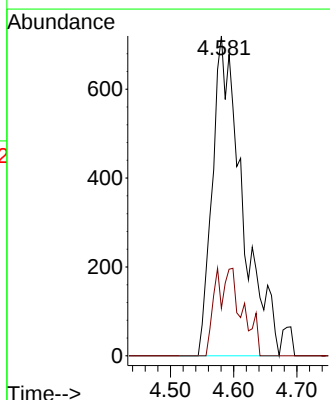
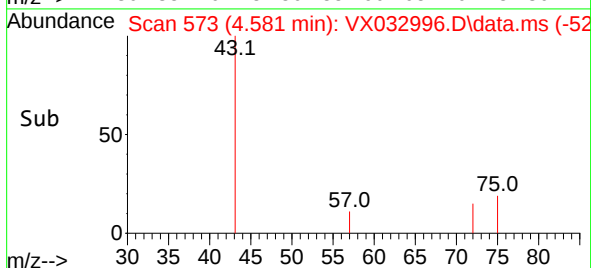
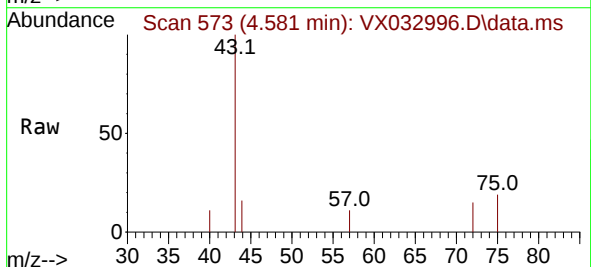
Manual Integrations
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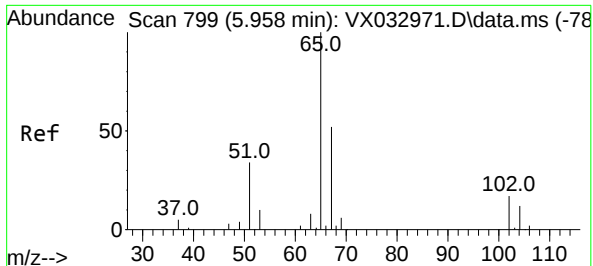
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#25
2-Butanone
Concen: 3.069 ug/l m
RT: 4.581 min Scan# 573
Delta R.T. 0.025 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Tgt Ion:	43	Resp:	2363
Ion Ratio	100	Lower	Upper
72	14.9	22.2	33.2





#33

1,2-Dichloroethane-d4

Concen: 50.096 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032996.D

Acq: 22 Nov 2022 22:13

Instrument :

MSVOA_X

ClientSampleId :

MW-27

Tgt Ion: 65 Resp: 60085

Ion Ratio Lower Upper

65 100

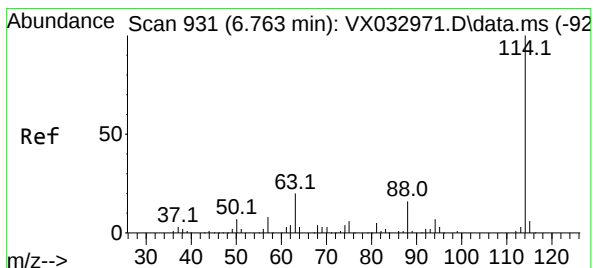
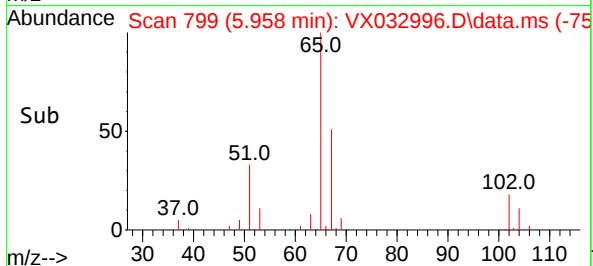
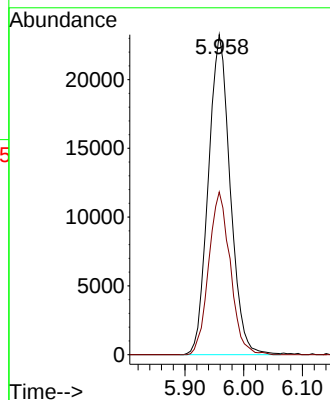
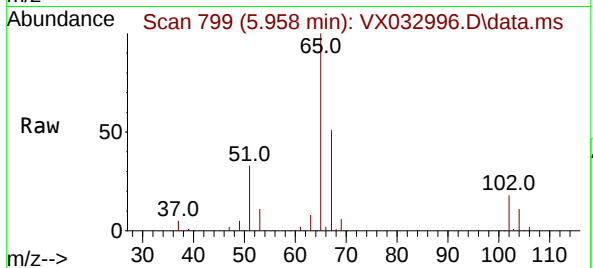
67 50.1 0.0 101.8

Manual Integrations

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Supervised By :Mahesh Dadoda 11/28/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032996.D

Acq: 22 Nov 2022 22:13

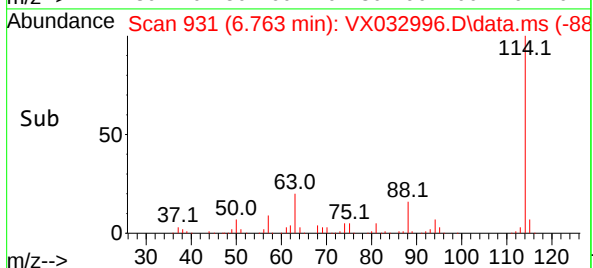
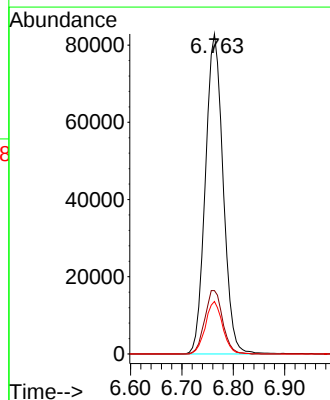
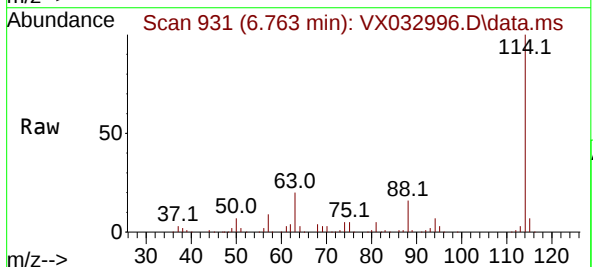
Tgt Ion:114 Resp: 198627

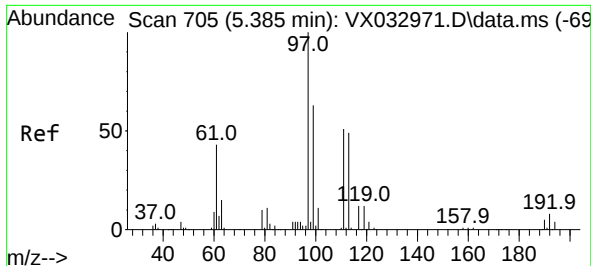
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 44.470 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032996.D

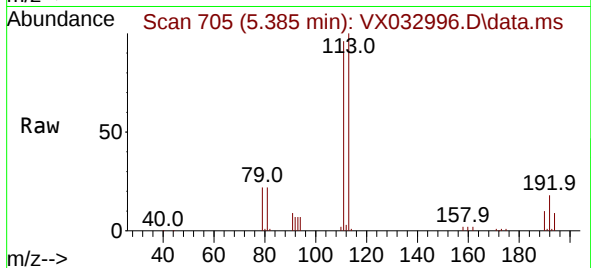
Acq: 22 Nov 2022 22:13

Instrument :

MSVOA_X

ClientSampleId :

MW-27



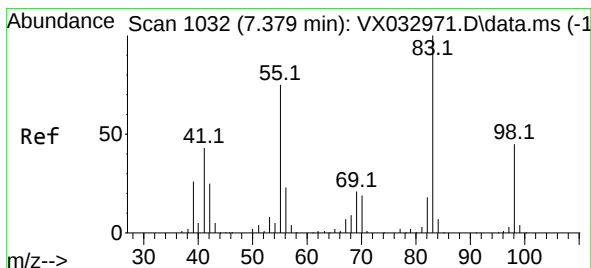
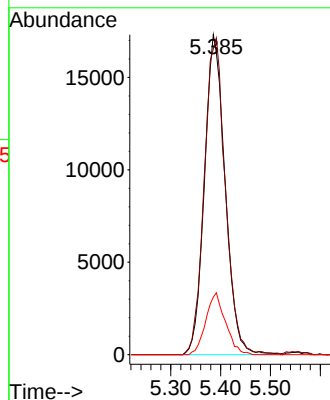
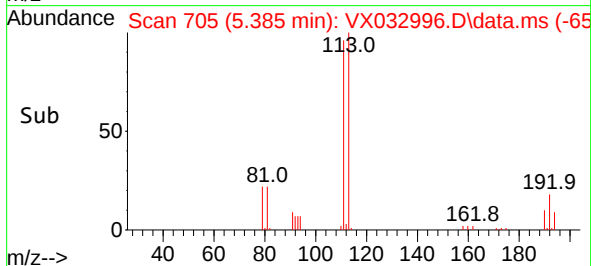
Tgt Ion:	113	Resp:	4979
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.4	123.6
192	18.4	15.4	23.2

Manual Integrations

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Supervised By :Mahesh Dadoda 11/28/2022



#39

Methylcyclohexane

Concen: 0.288 ug/l

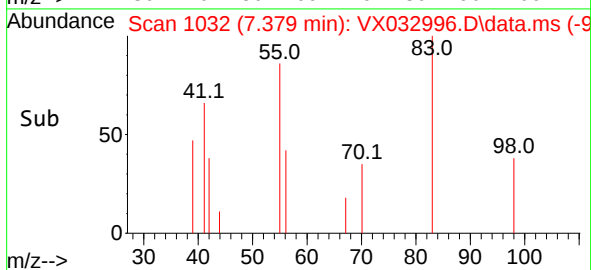
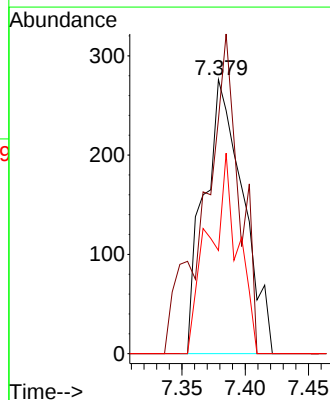
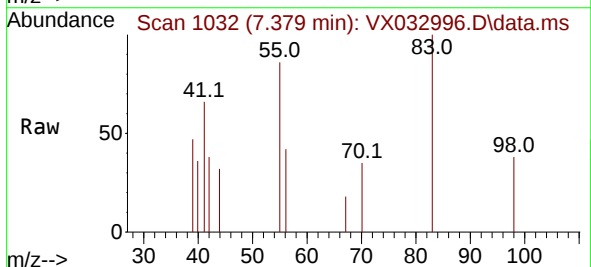
RT: 7.379 min Scan# 1032

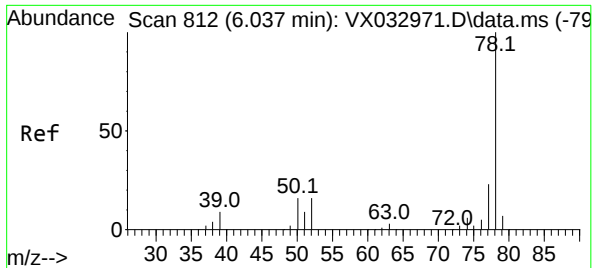
Delta R.T. -0.006 min

Lab File: VX032996.D

Acq: 22 Nov 2022 22:13

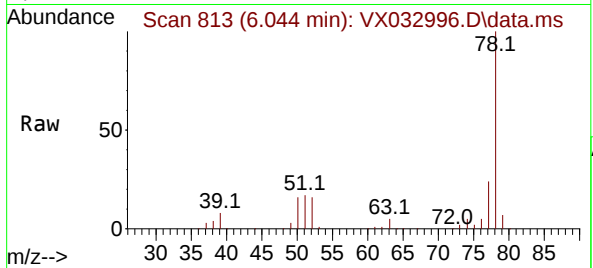
Tgt Ion:	83	Resp:	589
Ion	Ratio	Lower	Upper
83	100		
55	85.5	58.4	87.6
98	37.7	37.2	55.8





#40
Benzene
Concen: 243.922 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

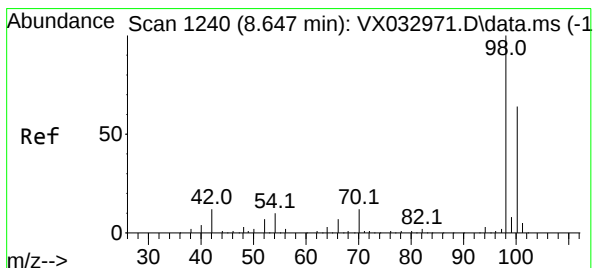
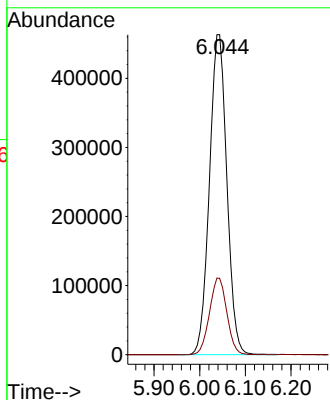
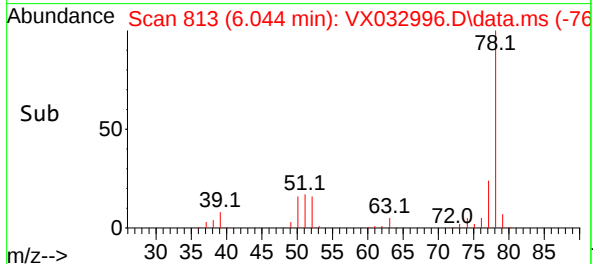
Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion: 78 Resp: 122452
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

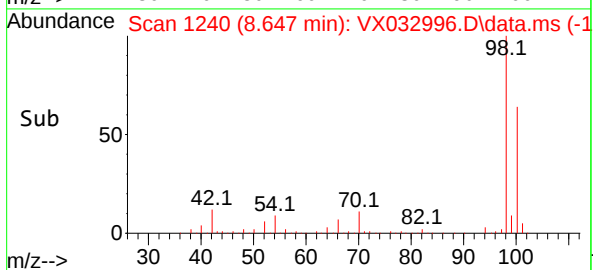
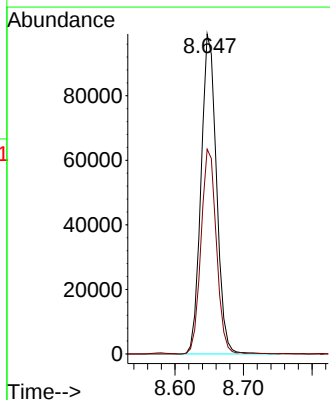
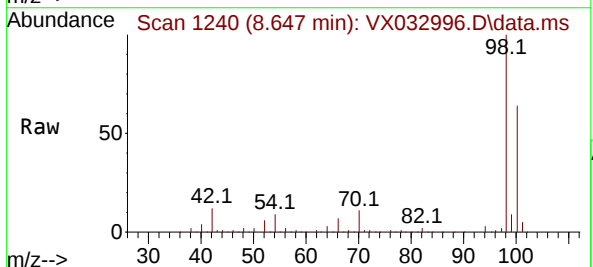
Manual Integrations
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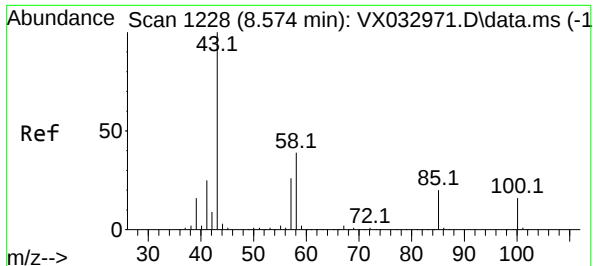
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#50
Toluene-d8
Concen: 45.934 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Tgt Ion: 98 Resp: 155352
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3





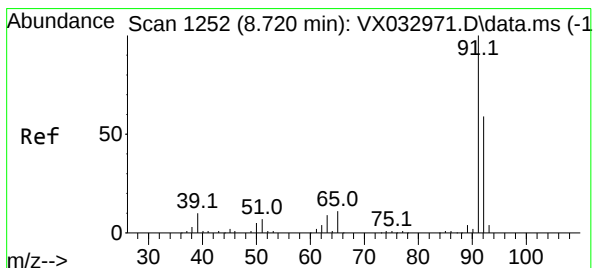
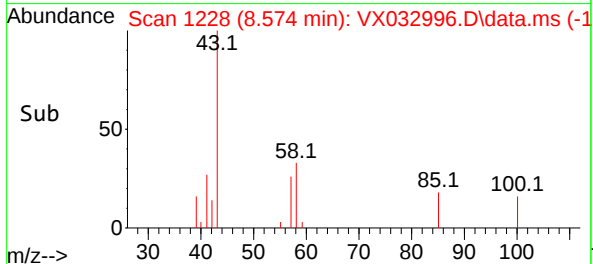
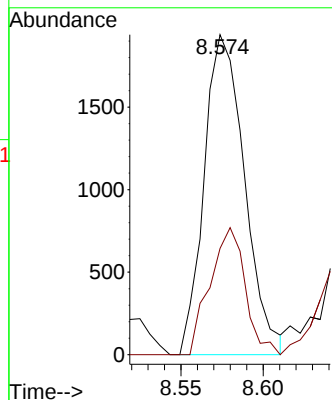
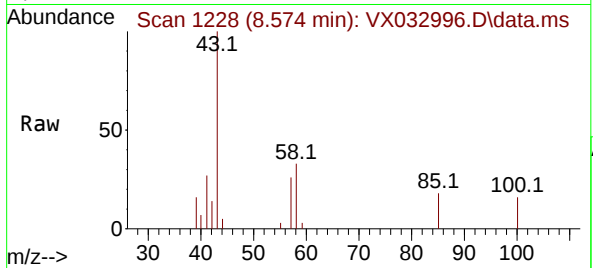
#51
4-Methyl-2-Pentanone
Concen: 2.078 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Instrument :
MSVOA_X
ClientSampleId :
MW-27

Tgt Ion: 43 Resp: 3312
Ion Ratio Lower Upper
43 100
58 34.5 30.9 46.3

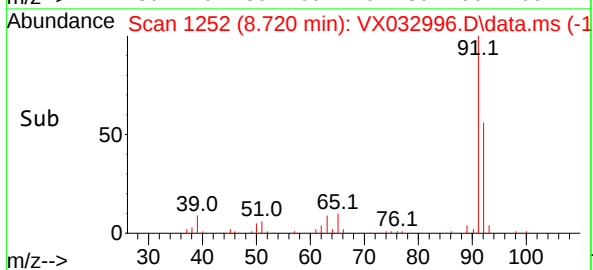
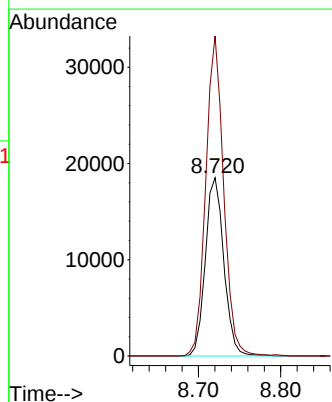
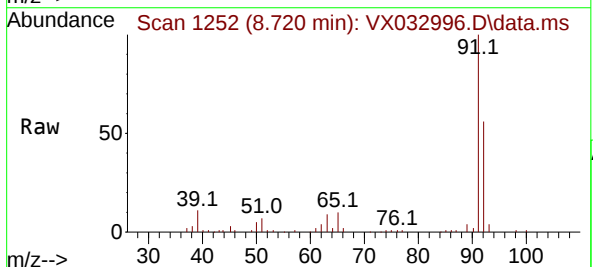
Manual Integrations
APPROVED

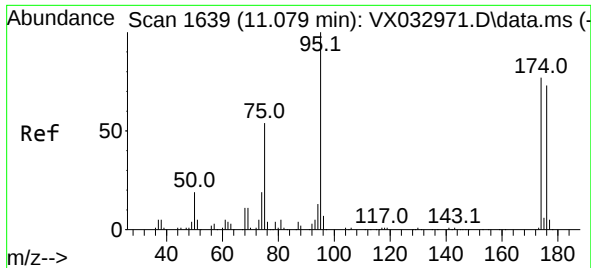
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#52
Toluene
Concen: 8.767 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

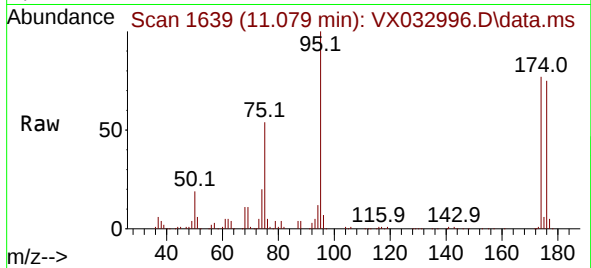
Tgt Ion: 92 Resp: 28956
Ion Ratio Lower Upper
92 100
91 173.2 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 50.867 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

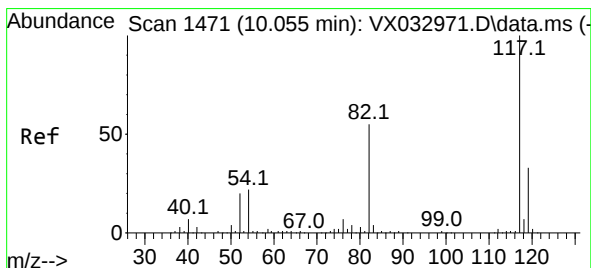
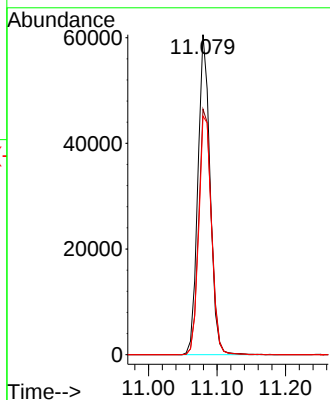
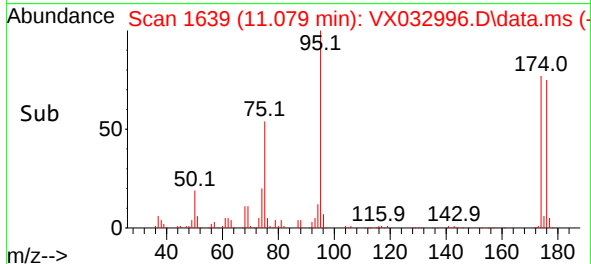
Instrument :
MSVOA_X
ClientSampleId :
MW-27



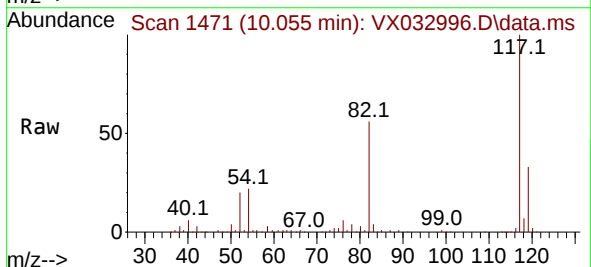
Tgt Ion: 95 Resp: 7482
Ion Ratio Lower Upper
95 100
174 80.6 0.0 164.0
176 78.0 0.0 154.4

Manual Integrations
APPROVED

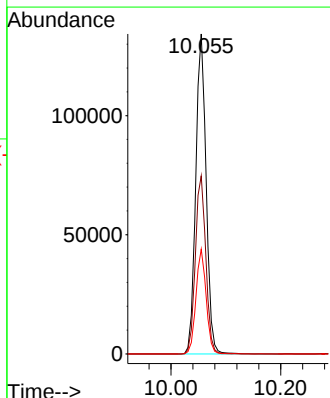
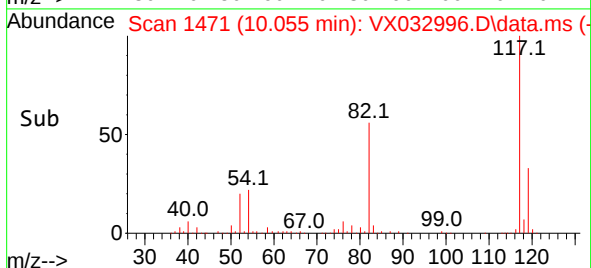
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022

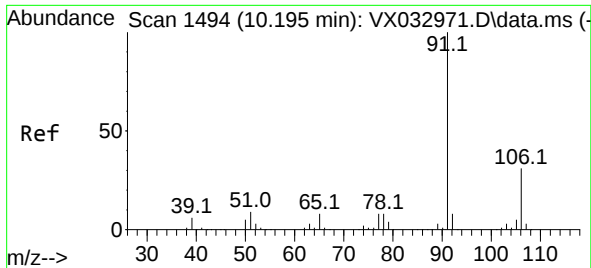


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13



Tgt Ion:117 Resp: 177723
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.7 25.7 38.5





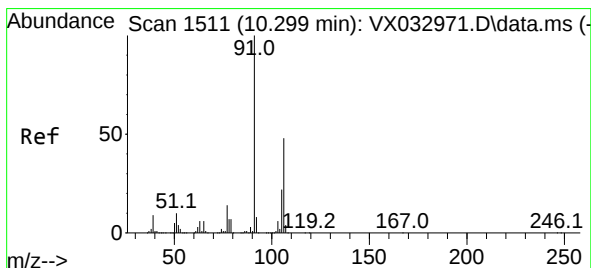
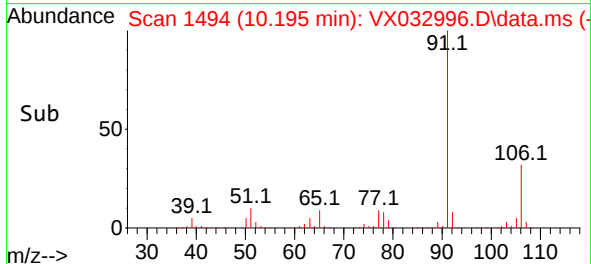
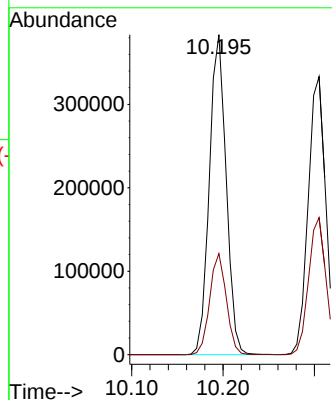
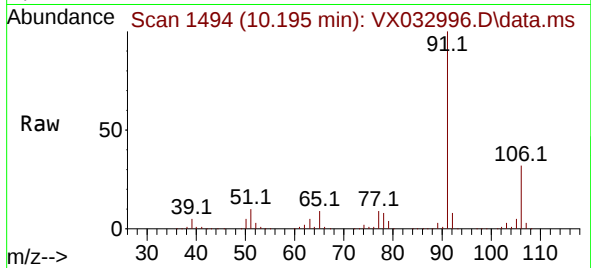
#67
Ethyl Benzene
Concen: 78.056 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Instrument :
MSVOA_X
ClientSampleId :
MW-27

Tgt Ion: 91 Resp: 490614
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6

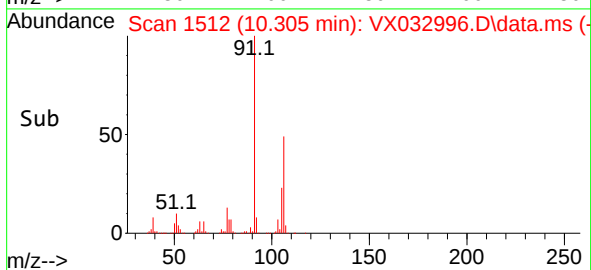
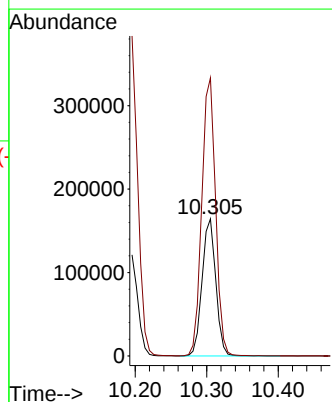
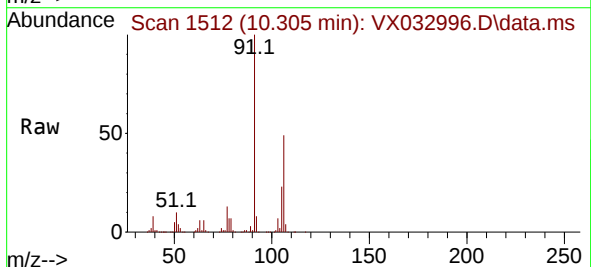
Manual Integrations
APPROVED

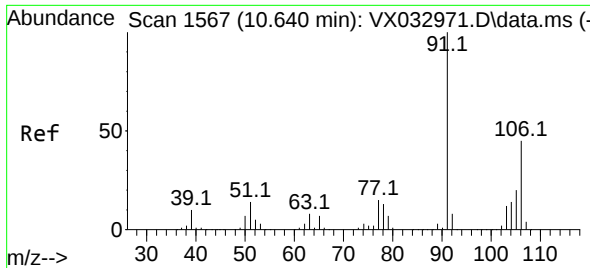
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#68
m/p-Xylenes
Concen: 88.820 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Tgt Ion:106 Resp: 218613
Ion Ratio Lower Upper
106 100
91 204.5 164.5 246.7





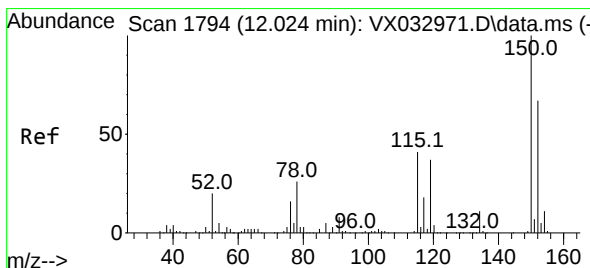
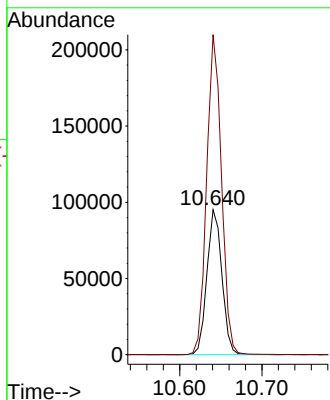
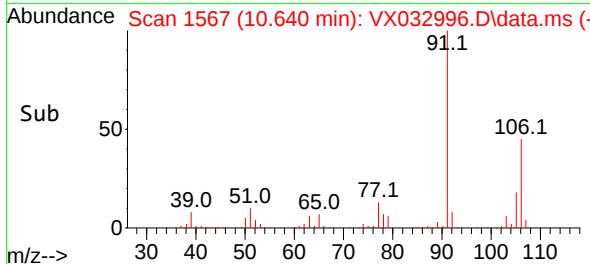
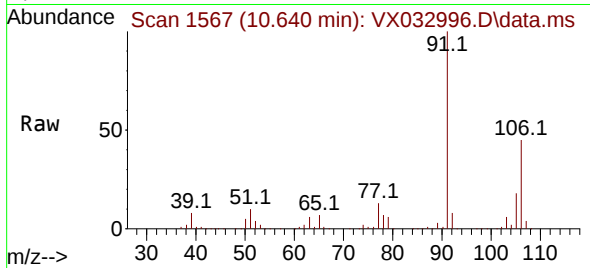
#69
o-Xylene
Concen: 50.553 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Instrument :
MSVOA_X
ClientSampleId :
MW-27

Tgt Ion:106 Resp: 120392
Ion Ratio Lower Upper
106 100
91 218.7 109.2 327.6

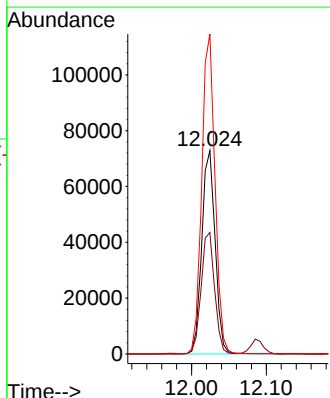
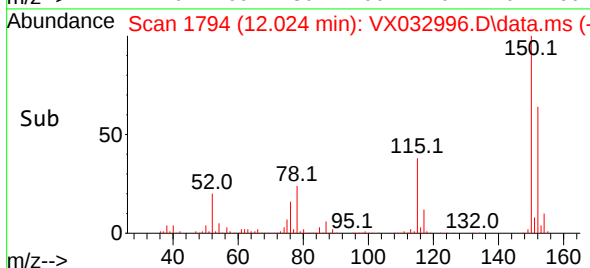
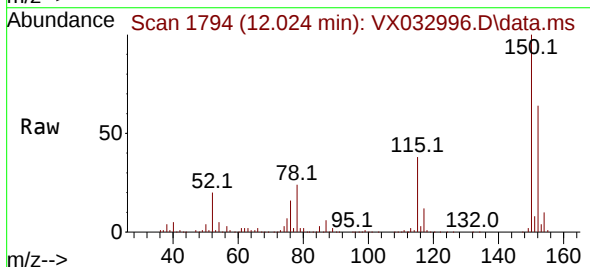
Manual Integrations
APPROVED

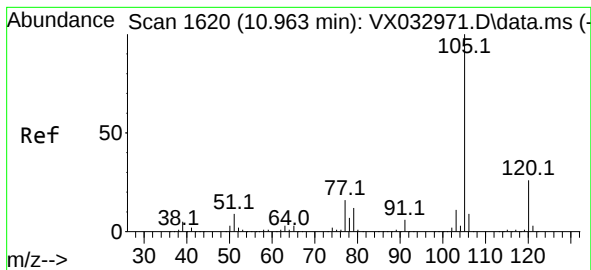
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

Tgt Ion:152 Resp: 90527
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 155.7 0.0 351.8





#73

Isopropylbenzene

Concen: 4.430 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX032996.D

Acq: 22 Nov 2022 22:13

Instrument :

MSVOA_X

ClientSampleId :

MW-27

Tgt Ion:105 Resp: 28658

Ion Ratio Lower Upper

105 100

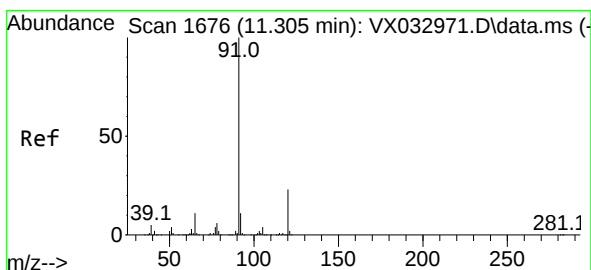
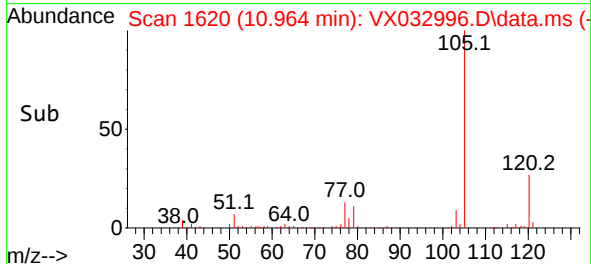
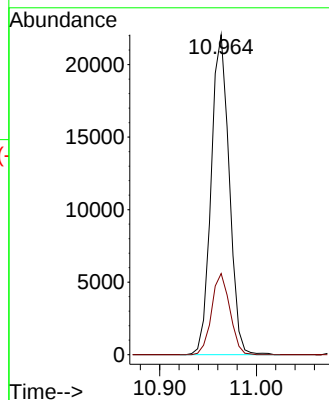
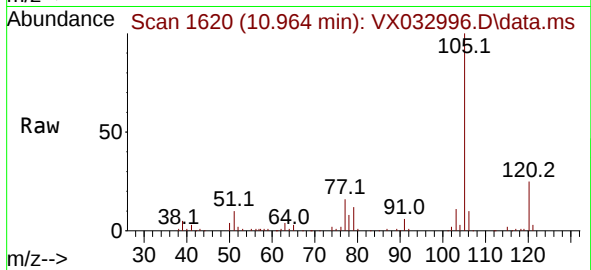
120 25.6 13.1 39.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2022

Supervised By :Mahesh Dadoda 11/28/2022



#78

n-propylbenzene

Concen: 8.731 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032996.D

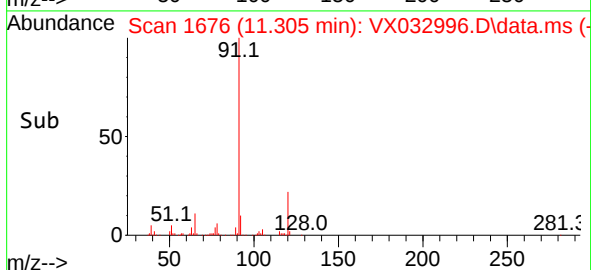
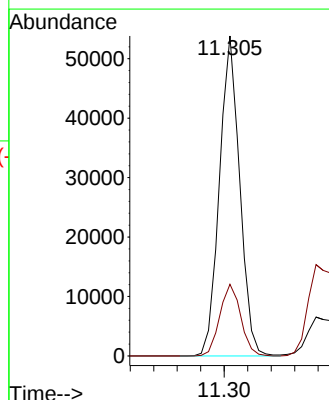
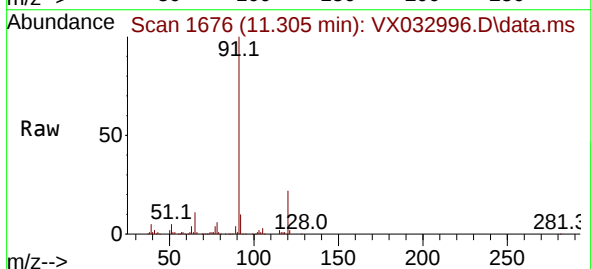
Acq: 22 Nov 2022 22:13

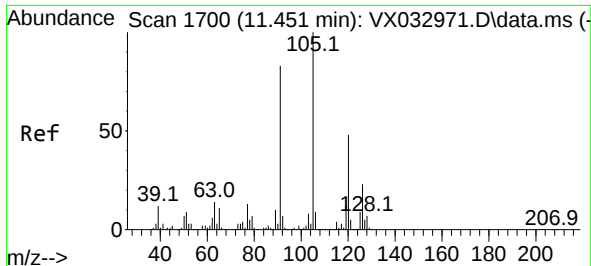
Tgt Ion: 91 Resp: 64576

Ion Ratio Lower Upper

91 100

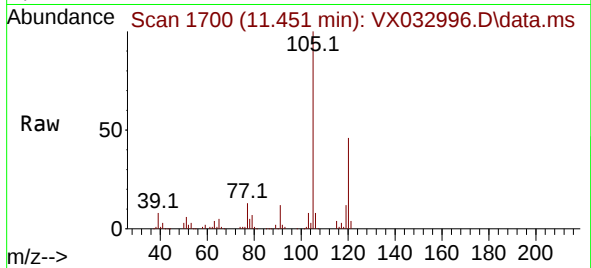
120 23.1 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 7.951 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13

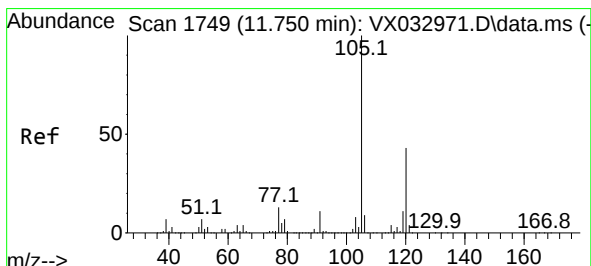
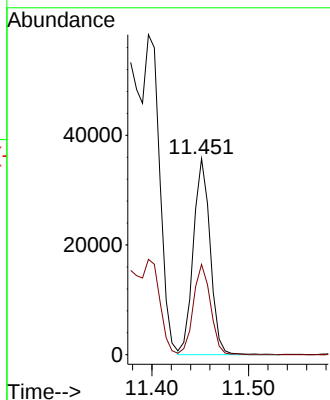
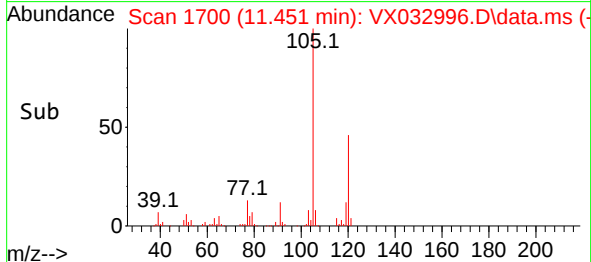
Instrument :
MSVOA_X
ClientSampleId :
MW-27



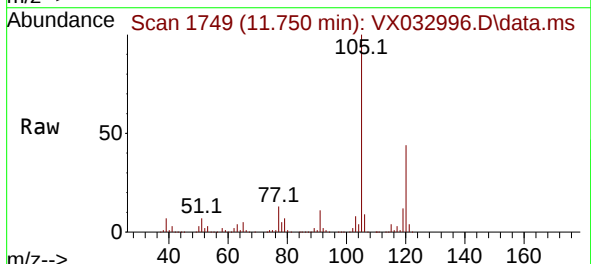
Tgt Ion:105 Resp: 4320
Ion Ratio Lower Upper
105 100
120 47.0 23.6 71.0

Manual Integrations
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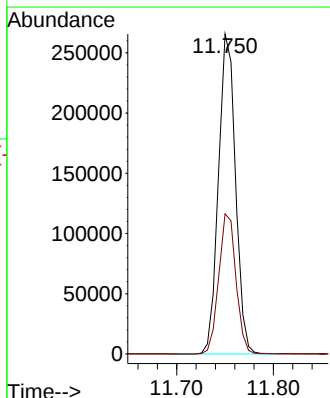
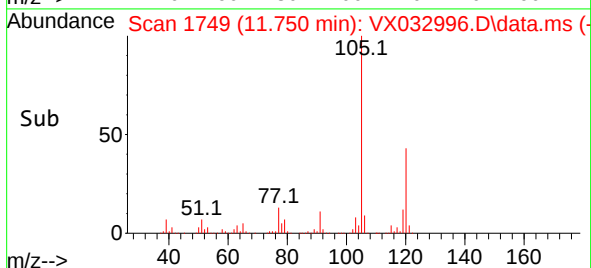
Reviewed By :John Carlone 11/23/2022
Supervised By :Mahesh Dadoda 11/28/2022

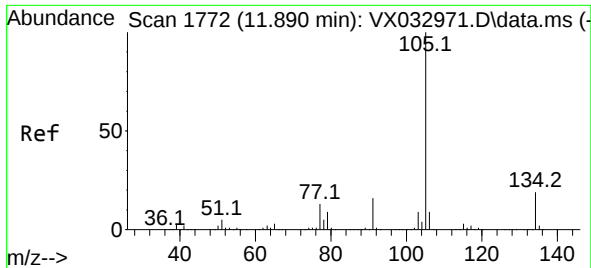


#84
1,2,4-Trimethylbenzene
Concen: 59.929 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX032996.D
Acq: 22 Nov 2022 22:13



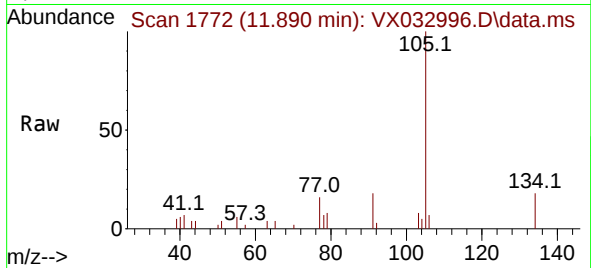
Tgt Ion:105 Resp: 324741
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 0.494 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX032996.D
 Acq: 22 Nov 2022 22:13

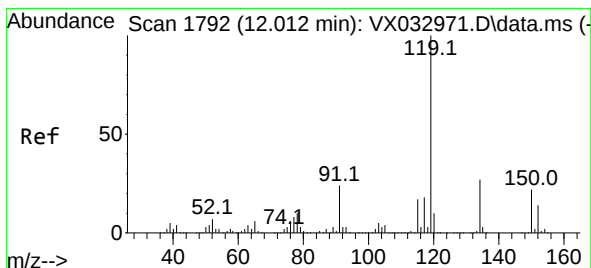
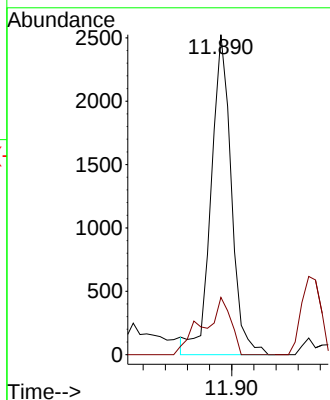
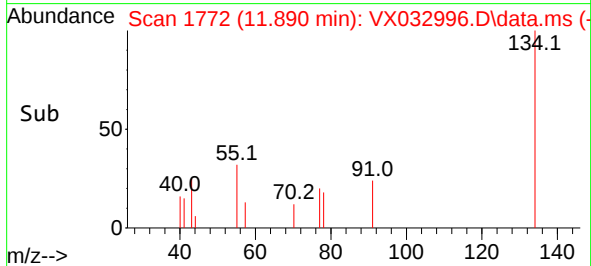
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27



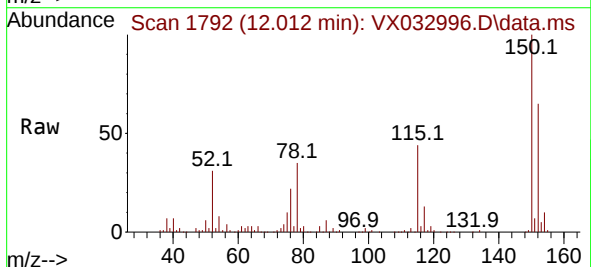
Tgt Ion:105 Resp: 3194
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7

Manual Integrations
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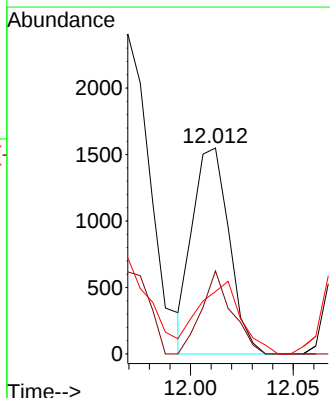
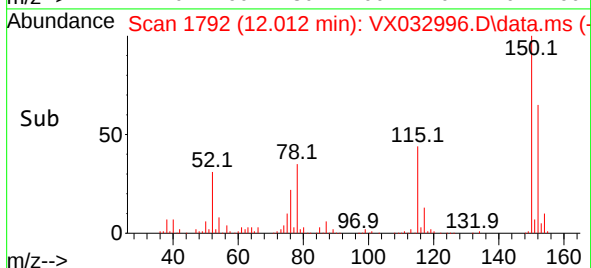
Reviewed By :John Carlone 11/23/2022
 Supervised By :Mahesh Dadoda 11/28/2022

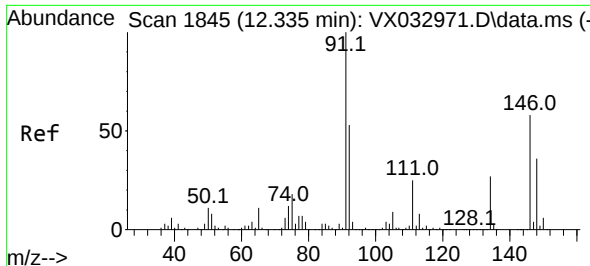


#86
 p-Isopropyltoluene
 Concen: 0.351 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032996.D
 Acq: 22 Nov 2022 22:13



Tgt Ion:119 Resp: 1922
 Ion Ratio Lower Upper
 119 100
 134 33.8 12.9 38.7
 91 0.0 12.5 37.5





#89

n-Butylbenzene

Concen: 0.895 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.012 min

Lab File: VX032996.D

Acq: 22 Nov 2022 22:13

Instrument :

MSVOA_X

ClientSampleId :

MW-27

Tgt Ion: 91 Resp: 4230

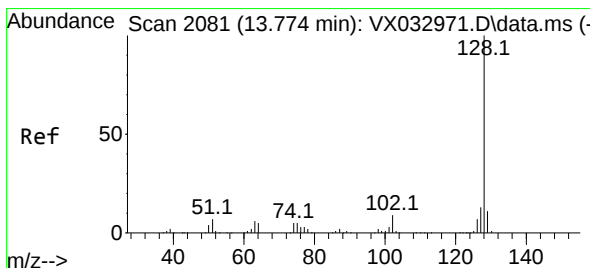
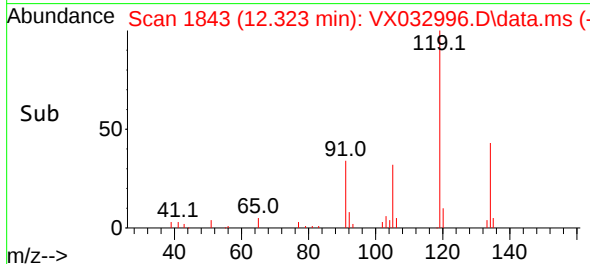
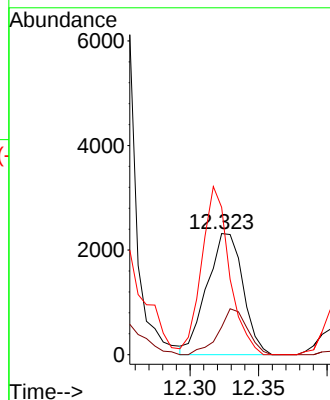
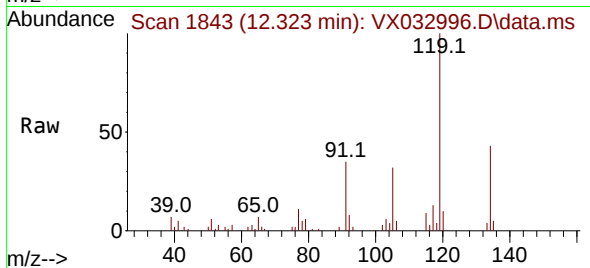
Ion	Ratio	Lower	Upper
91	100		
92	30.4	26.2	78.6
134	107.0	12.9	38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2022

Supervised By :Mahesh Dadoda 11/28/2022



#95

Naphthalene

Concen: 36.951 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX032996.D

Acq: 22 Nov 2022 22:13

Tgt Ion:128 Resp: 213895

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.6	8.9	13.3

