

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033055.D
 Acq On : 24 Nov 2022 11:25
 Operator : JC/MD
 Sample : N5747-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38

Quant Time: Nov 25 08:38:42 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

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2022
 Supervised By :Mahesh Dadoda 11/28/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	136389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227768	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72622	54.792	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.580%			
35) Dibromofluoromethane	5.391	113	57919	45.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.220%			
50) Toluene-d8	8.647	98	206813	53.689	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.380%			
62) 4-Bromofluorobenzene	11.079	95	87762	52.030	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	215015	1021.208	ug/l	100
16) Acetone	2.392	43	2575	4.151	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	105562	25.574	ug/l #	20
22) Diisopropyl ether	3.764	45	23763	5.679	ug/l #	82
31) Cyclohexane	5.471	56	90943	42.257	ug/l	93
39) Methylcyclohexane	7.385	83	64902	27.705	ug/l	98
40) Benzene	6.044	78	4829324	838.914	ug/l	98
52) Toluene	8.720	92	241140	63.671	ug/l	99
67) Ethyl Benzene	10.195	91	4476638	605.475	ug/l	95
68) m/p-Xylenes	10.305	106	1932716	667.547	ug/l	94
69) o-Xylene	10.646	106	1150362	410.643	ug/l	96
73) Isopropylbenzene	10.963	105	332567	38.908	ug/l	100
78) n-propylbenzene	11.305	91	975931	99.863	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	651259	90.698	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	3256368	454.813	ug/l	96
85) sec-Butylbenzene	11.890	105	46642m	5.454	ug/l	
86) p-Isopropyltoluene	12.012	119	23626	3.261	ug/l #	75
89) n-Butylbenzene	12.329	91	93585	14.994	ug/l #	30
95) Naphthalene	13.774	128	1796178	234.836	ug/l	99

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

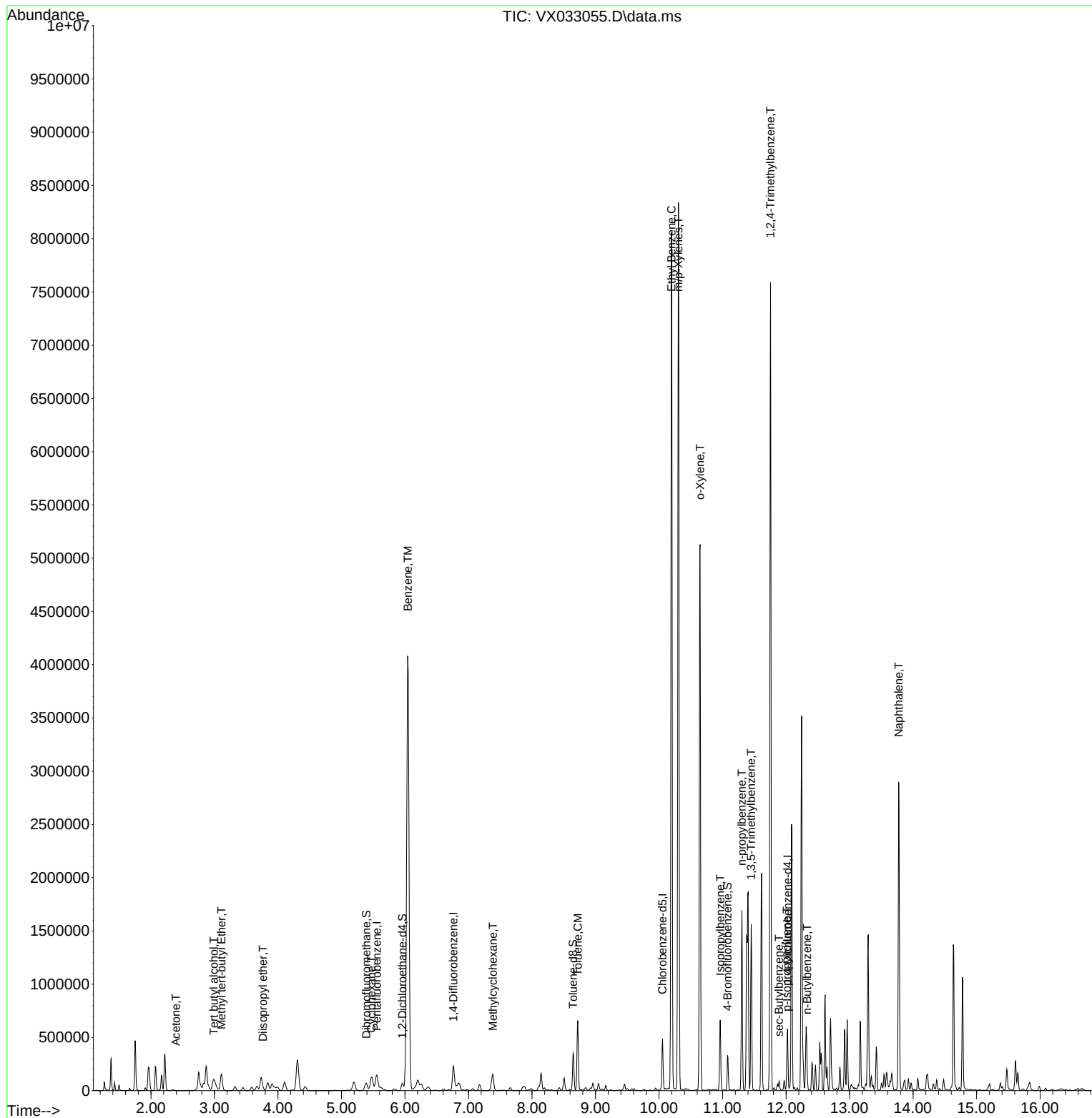
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
Data File : VX033055.D
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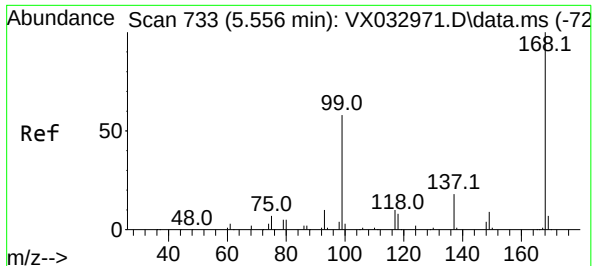
Instrument :
MSVOA_X
ClientSampleId :
MW-38

Quant Time: Nov 25 08:38:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
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QLast Update : Tue Nov 22 13:58:46 2022
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APPROVED

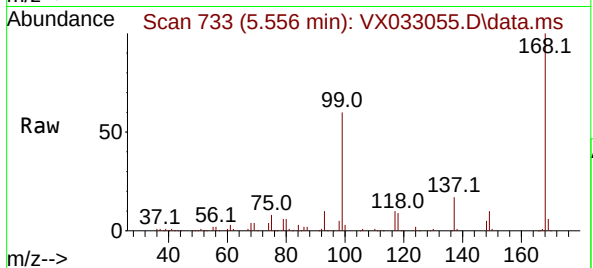
Reviewed By : John Carlone 11/25/2022
Supervised By : Mahesh Dadoda 11/28/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

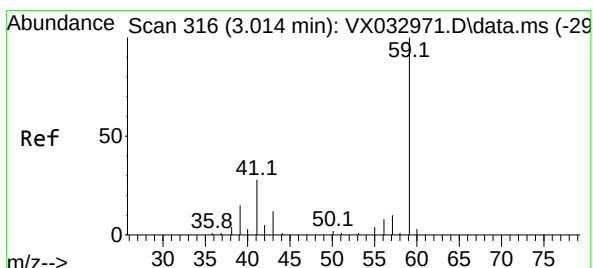
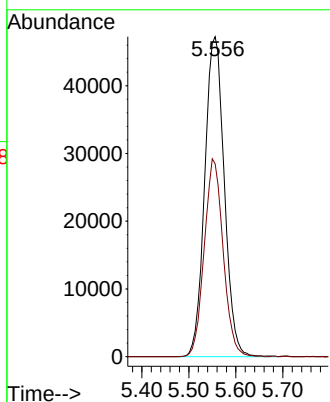
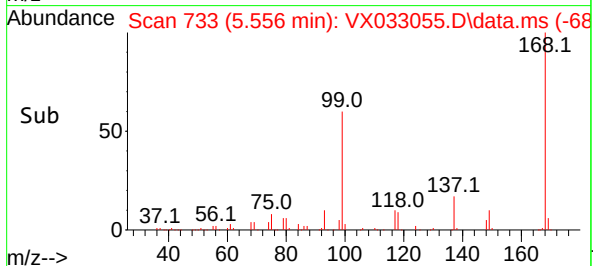
Instrument :
MSVOA_X
ClientSampleId :
MW-38



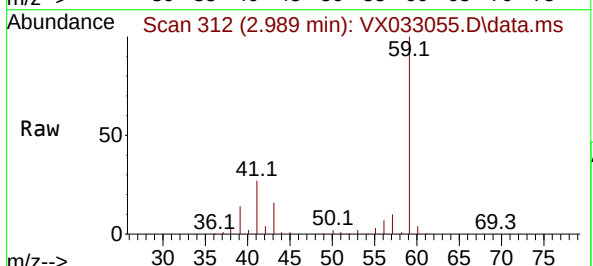
Tgt Ion:168 Resp: 136389
Ion Ratio Lower Upper
168 100
99 60.3 46.1 69.1

Manual Integrations
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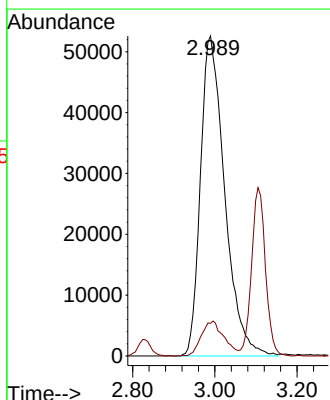
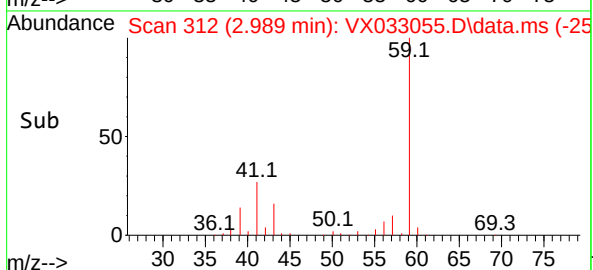
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022

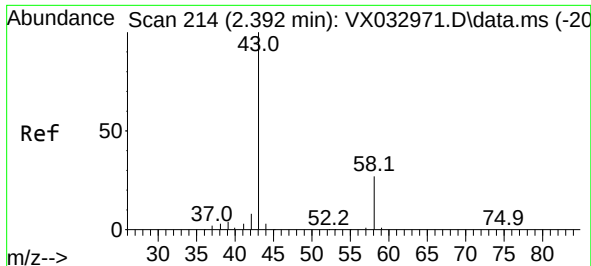


#11
Tert butyl alcohol
Concen: 1021.208 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25



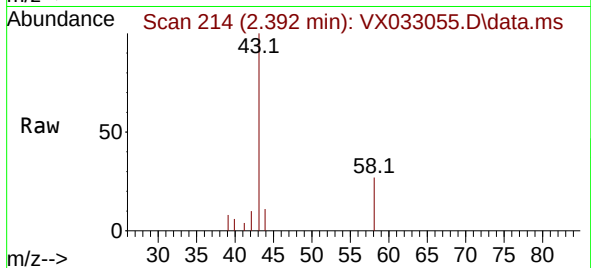
Tgt Ion: 59 Resp: 215015
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4





#16
Acetone
Concen: 4.151 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

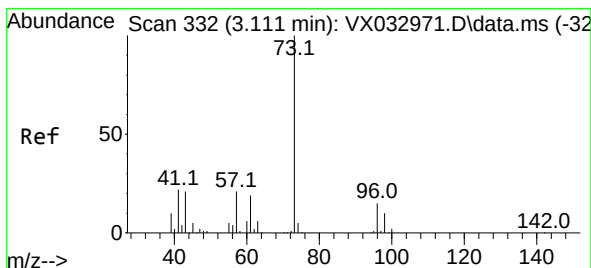
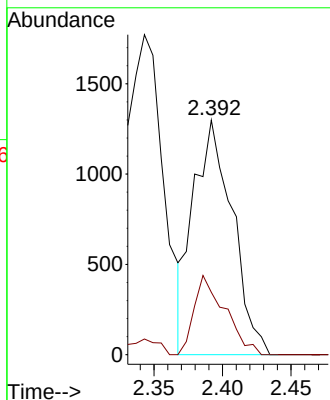
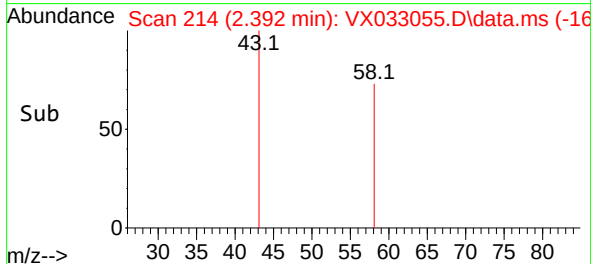
Instrument :
MSVOA_X
ClientSampleId :
MW-38



Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
58 26.6 23.8 35.8

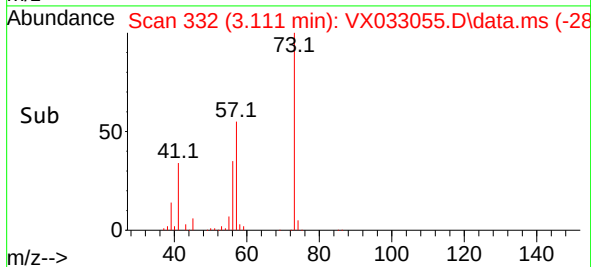
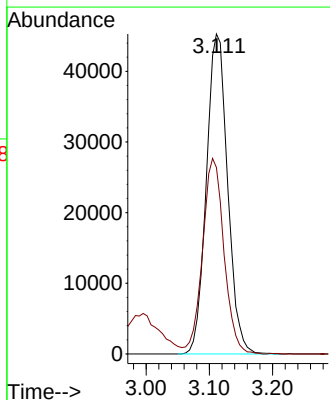
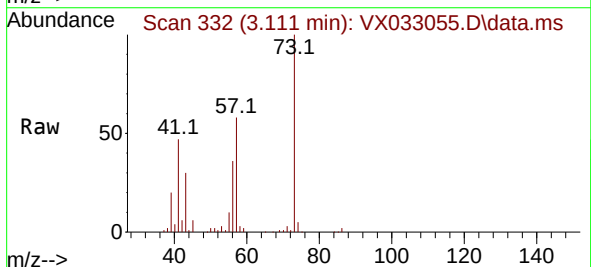
Manual Integrations
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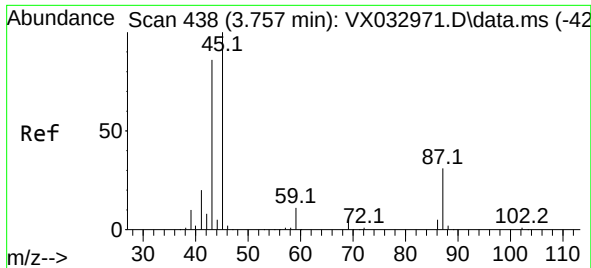
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#19
Methyl tert-butyl Ether
Concen: 25.574 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

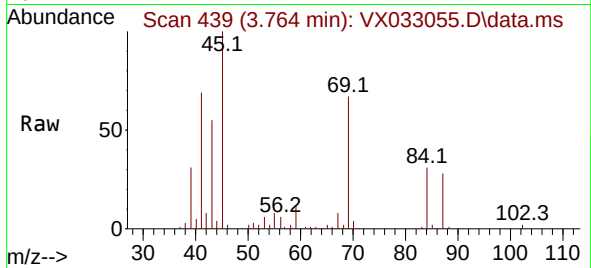
Tgt Ion: 73 Resp: 105562
Ion Ratio Lower Upper
73 100
57 58.1 16.6 25.0#





#22
Diisopropyl ether
Concen: 5.679 ug/l
RT: 3.764 min Scan# 438
Delta R.T. 0.001 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

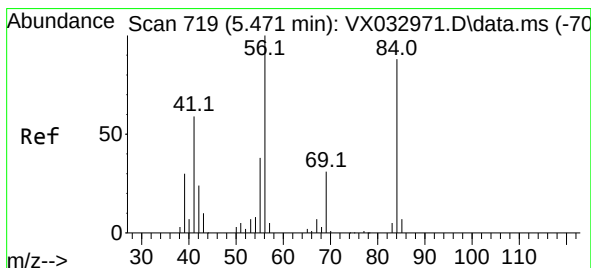
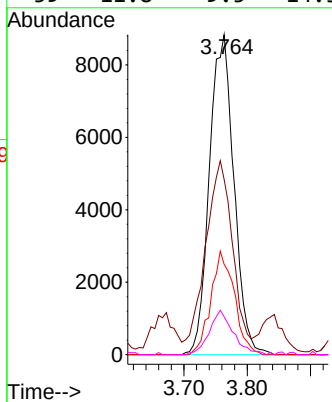
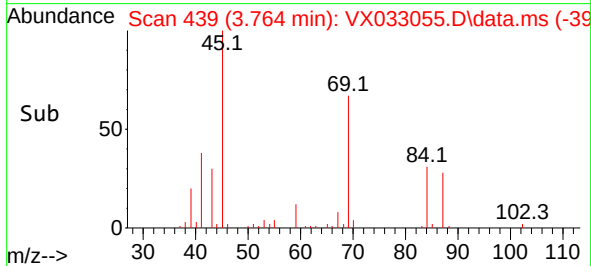
Instrument :
MSVOA_X
ClientSampleId :
MW-38



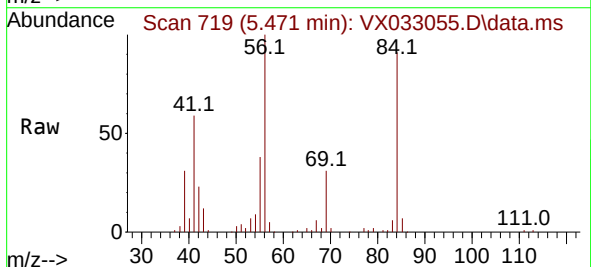
Tgt Ion: 45 Resp: 2376
Ion Ratio Lower Upper
45 100
43 48.8 56.4 84.6
87 28.3 24.4 36.6
59 11.8 9.5 14.3

Manual Integrations
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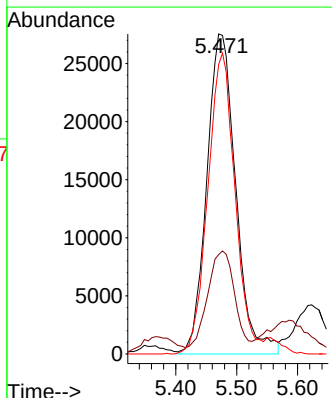
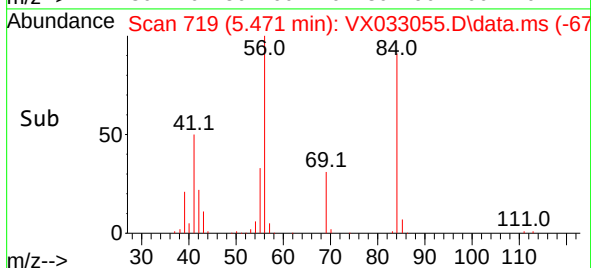
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022

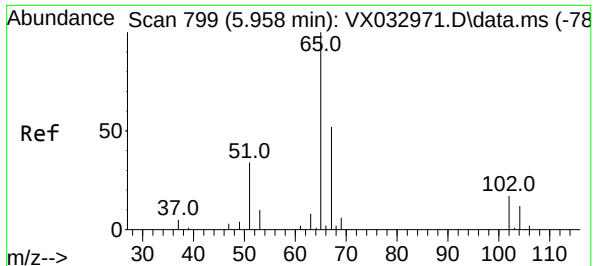


#31
Cyclohexane
Concen: 42.257 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25



Tgt Ion: 56 Resp: 90943
Ion Ratio Lower Upper
56 100
69 28.6 24.1 36.1
84 90.8 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.792 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033055.D

Acq: 24 Nov 2022 11:25

Instrument :

MSVOA_X

ClientSampleId :

MW-38

Tgt Ion: 65 Resp: 7262

Ion Ratio Lower Upper

65 100

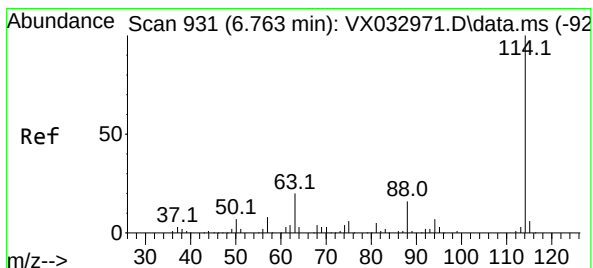
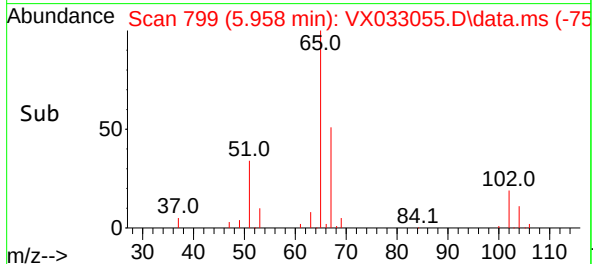
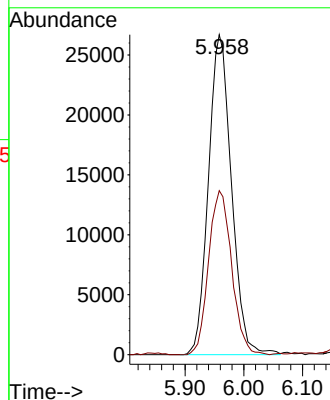
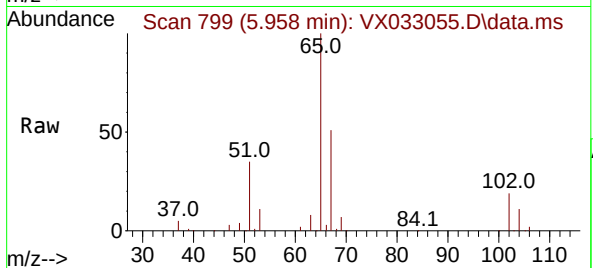
67 51.3 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 11/25/2022

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: VX033055.D

Acq: 24 Nov 2022 11:25

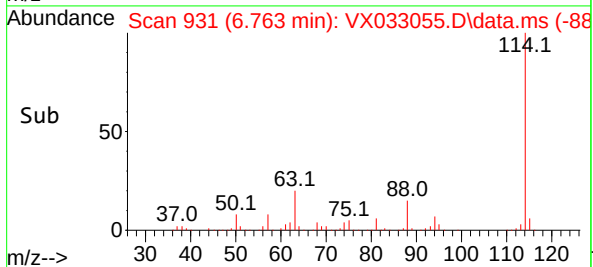
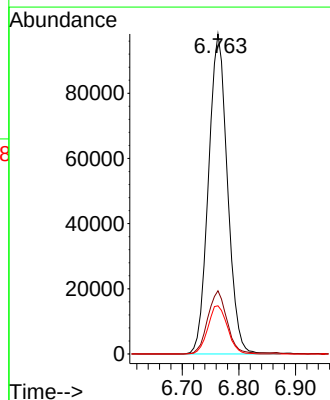
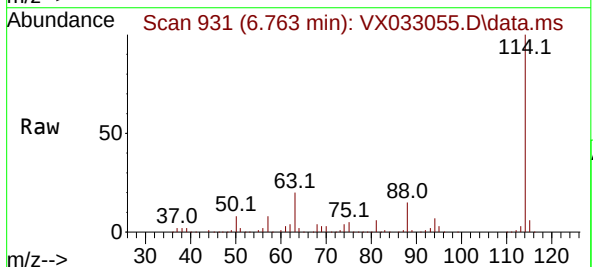
Tgt Ion:114 Resp: 227768

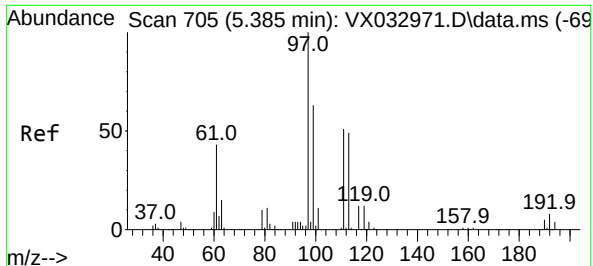
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.106 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033055.D

Acq: 24 Nov 2022 11:25

Instrument :

MSVOA_X

ClientSampleId :

MW-38

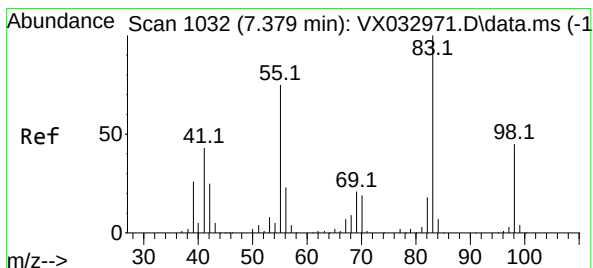
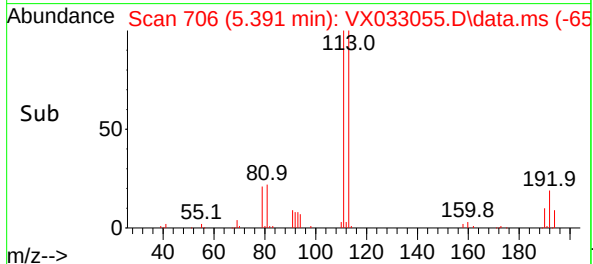
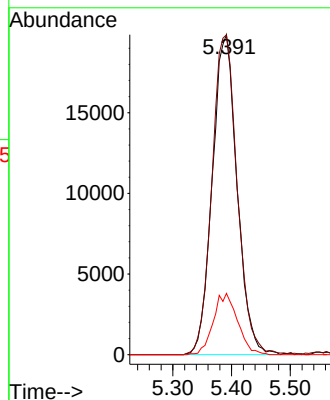
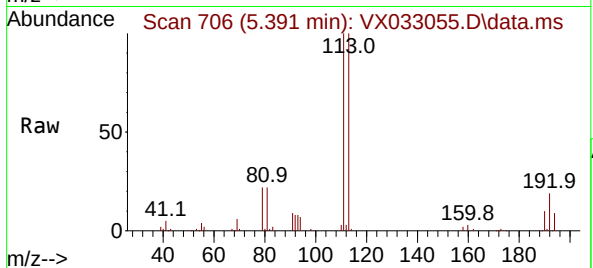
Tgt Ion:	113	Resp:	57919
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.4	123.6
192	18.8	15.4	23.2

Manual Integrations

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#39

Methylcyclohexane

Concen: 27.705 ug/l

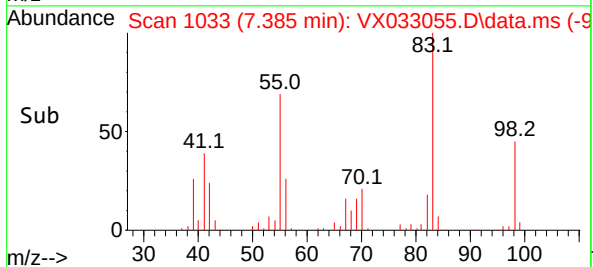
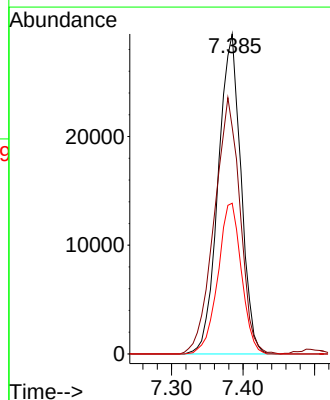
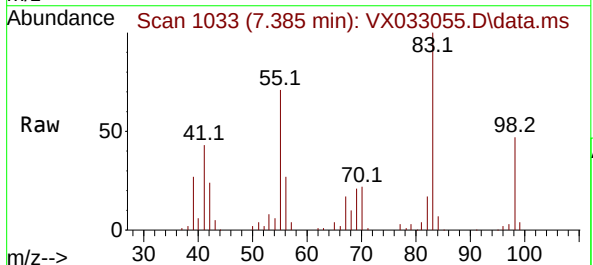
RT: 7.385 min Scan# 1033

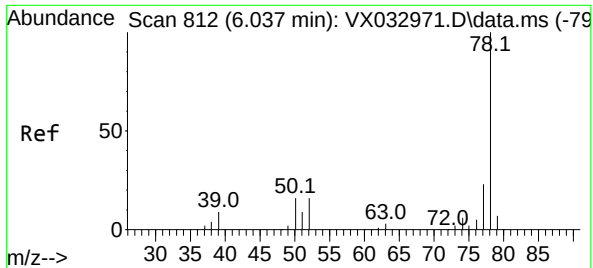
Delta R.T. -0.000 min

Lab File: VX033055.D

Acq: 24 Nov 2022 11:25

Tgt Ion:	83	Resp:	64902
Ion Ratio	Lower	Upper	
83	100		
55	70.9	58.4	87.6
98	47.1	37.2	55.8





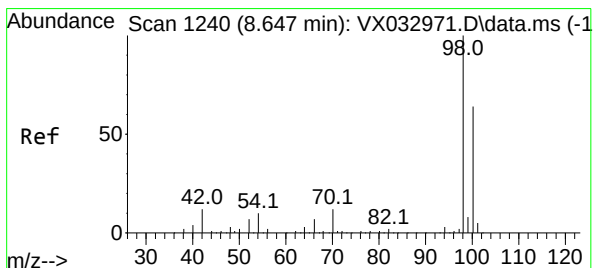
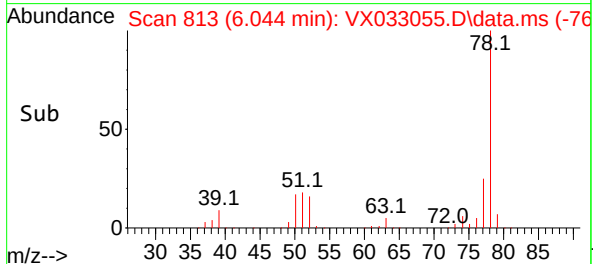
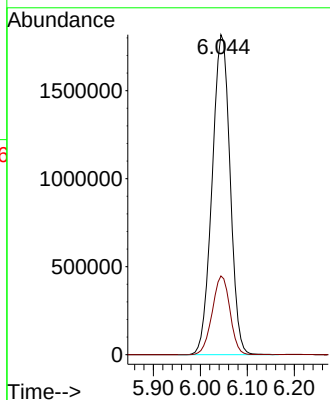
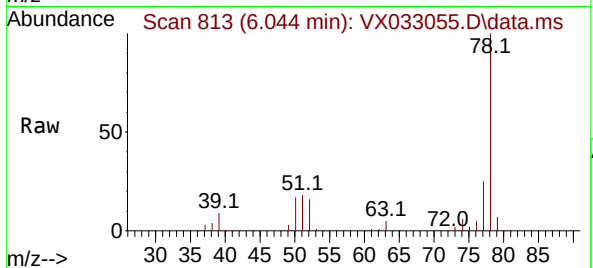
#40
Benzene
Concen: 838.914 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

Instrument :
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ClientSampleId :
MW-38

Tgt Ion: 78 Resp: 4829324
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4

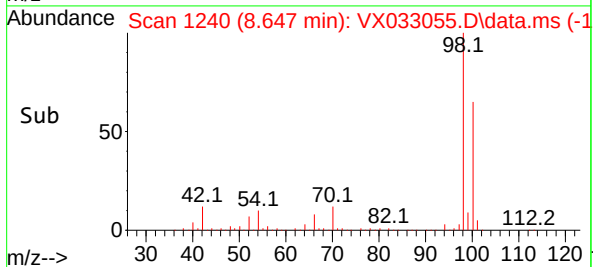
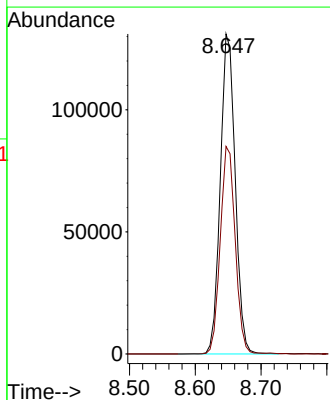
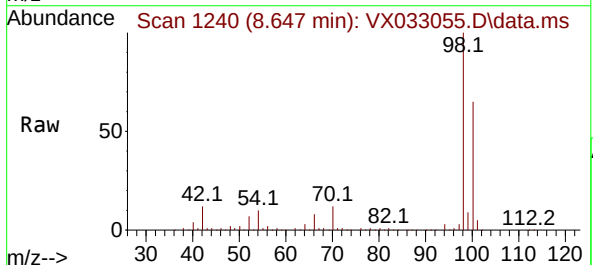
Manual Integrations
APPROVED

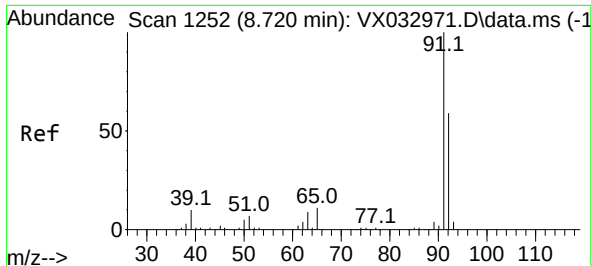
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#50
Toluene-d8
Concen: 53.689 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

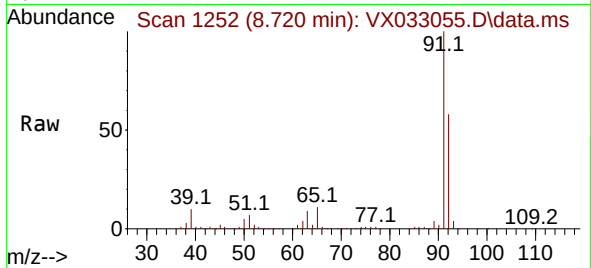
Tgt Ion: 98 Resp: 206813
Ion Ratio Lower Upper
98 100
100 65.0 50.9 76.3





#52
Toluene
Concen: 63.671 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

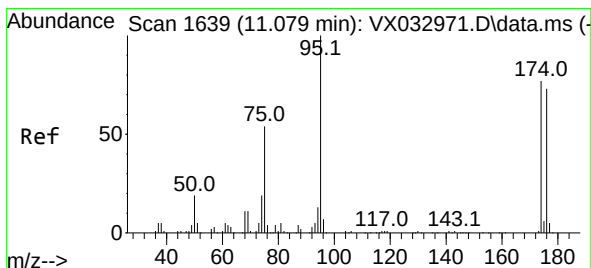
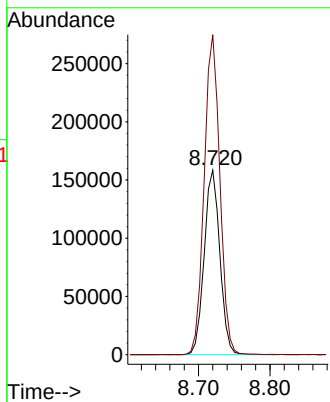
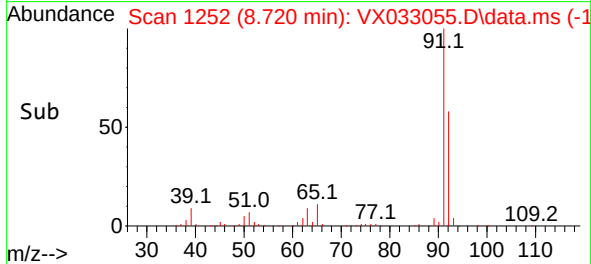
Instrument :
MSVOA_X
ClientSampleId :
MW-38



Tgt Ion: 92 Resp: 241140
Ion Ratio Lower Upper
92 100
91 173.9 138.3 207.5

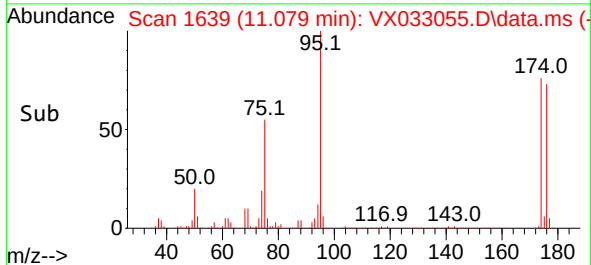
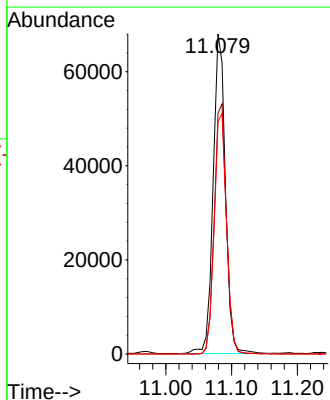
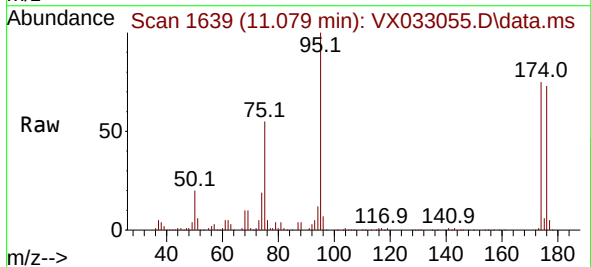
Manual Integrations
APPROVED

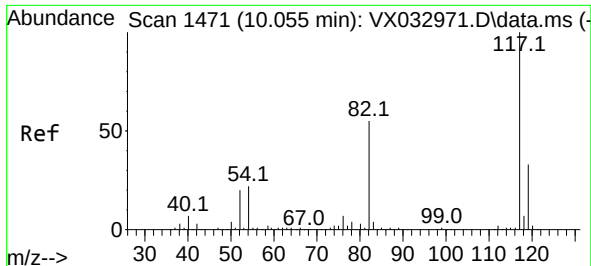
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#62
4-Bromofluorobenzene
Concen: 52.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

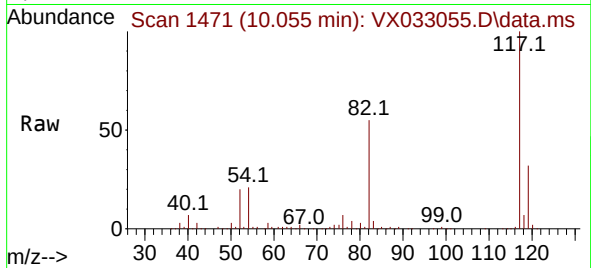
Tgt Ion: 95 Resp: 87762
Ion Ratio Lower Upper
95 100
174 78.3 0.0 164.0
176 75.7 0.0 154.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

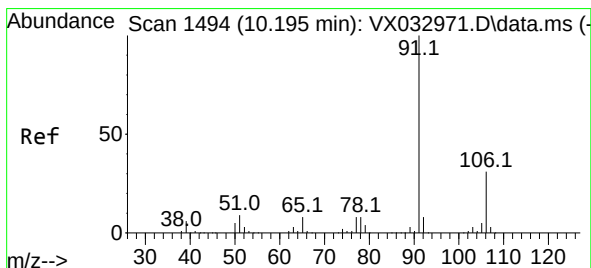
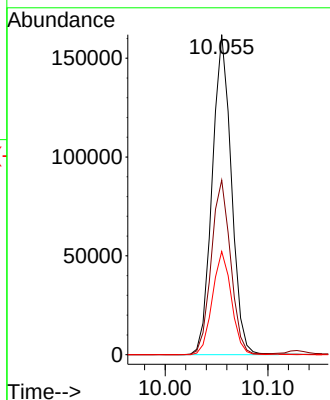
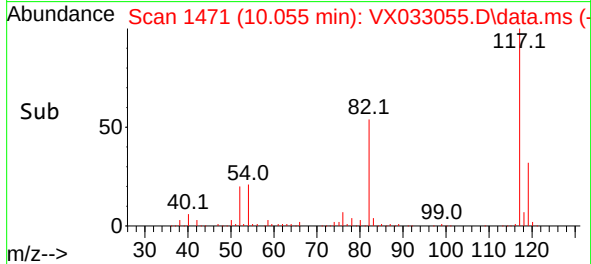
Instrument :
MSVOA_X
ClientSampleId :
MW-38



Tgt Ion:117 Resp: 20905
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 32.3 25.7 38.5

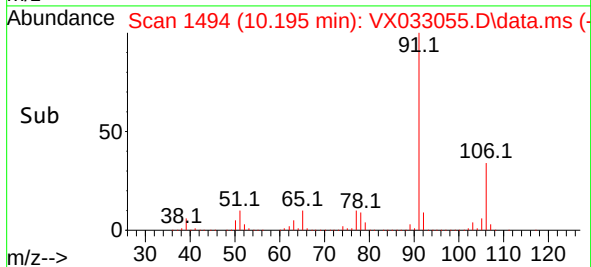
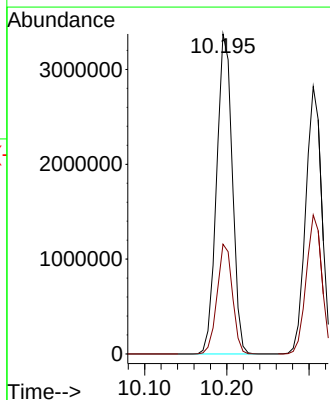
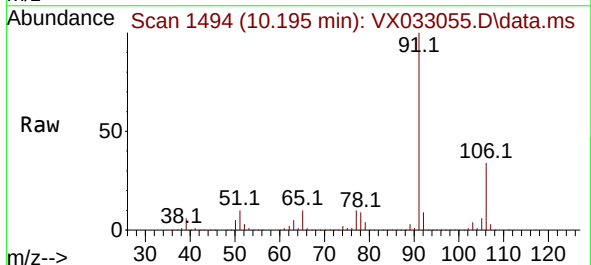
Manual Integrations
APPROVED

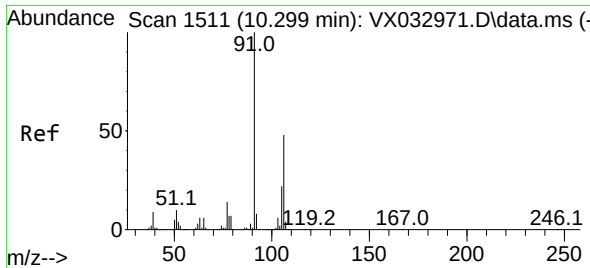
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#67
Ethyl Benzene
Concen: 605.475 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

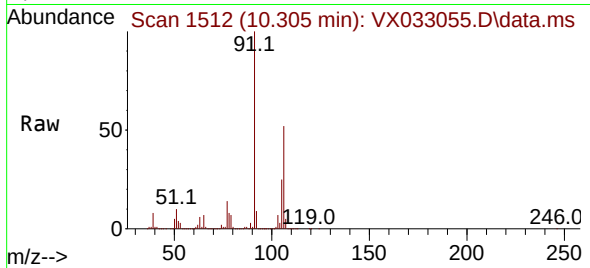
Tgt Ion: 91 Resp: 4476638
Ion Ratio Lower Upper
91 100
106 34.3 25.0 37.6





#68
m/p-Xylenes
Concen: 667.547 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

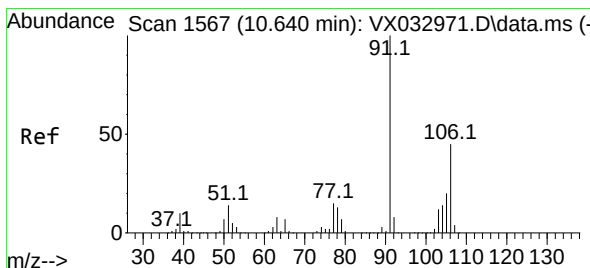
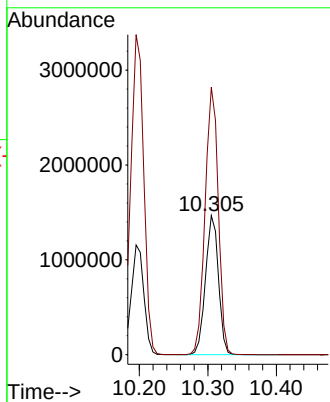
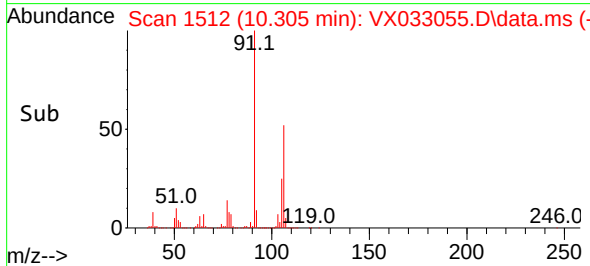
Instrument :
MSVOA_X
ClientSampleId :
MW-38



Tgt Ion:106 Resp: 1932710
Ion Ratio Lower Upper
106 100
91 195.9 164.5 246.7

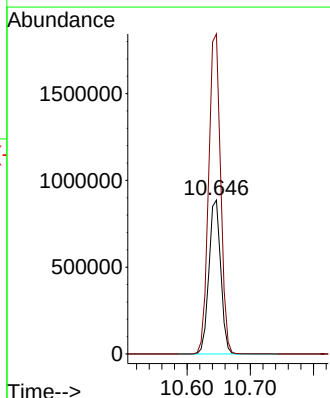
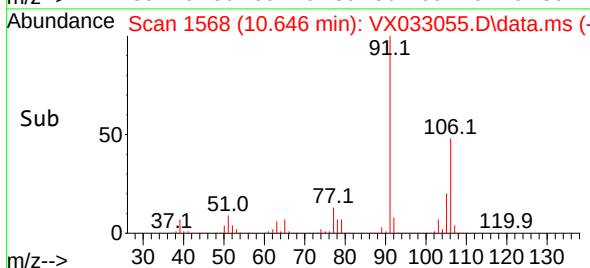
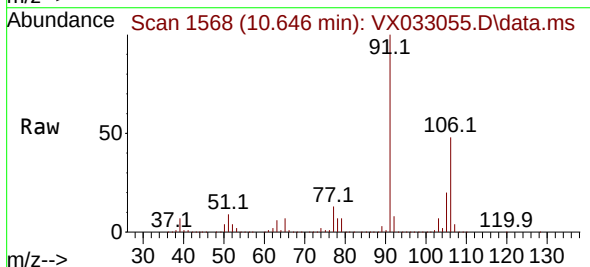
Manual Integrations
APPROVED

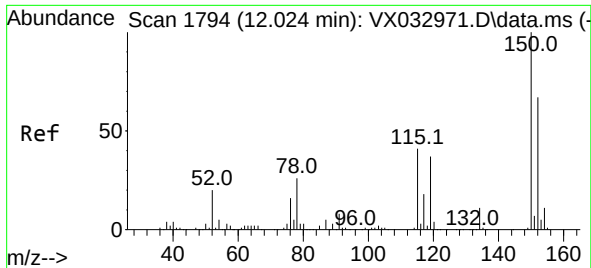
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#69
o-Xylene
Concen: 410.643 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

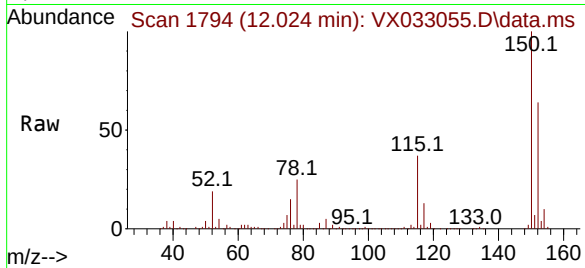
Tgt Ion:106 Resp: 1150362
Ion Ratio Lower Upper
106 100
91 211.5 109.2 327.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 119614
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

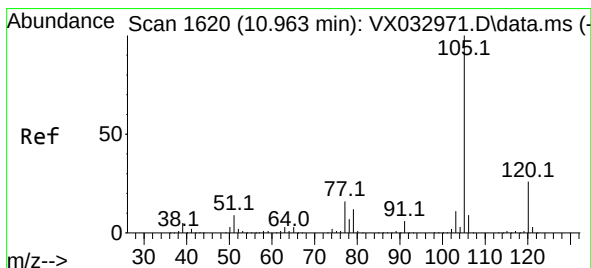
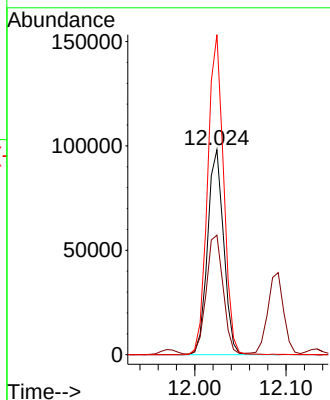
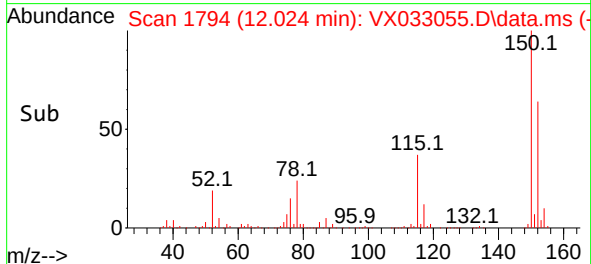
Instrument :
MSVOA_X
ClientSampleId :
MW-38



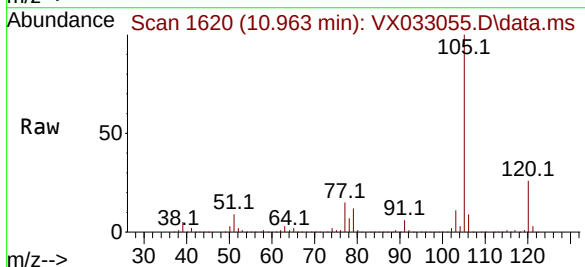
Tgt Ion:152 Resp: 119614
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 155.0 0.0 351.8

Manual Integrations
APPROVED

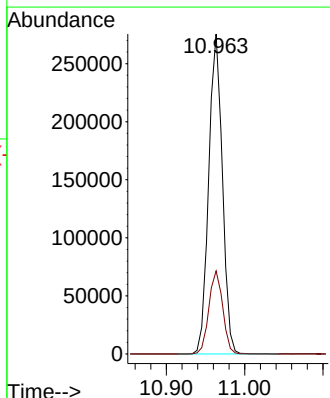
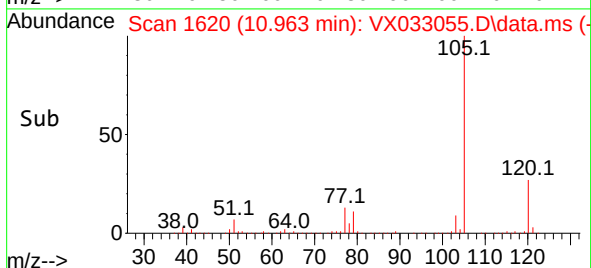
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022

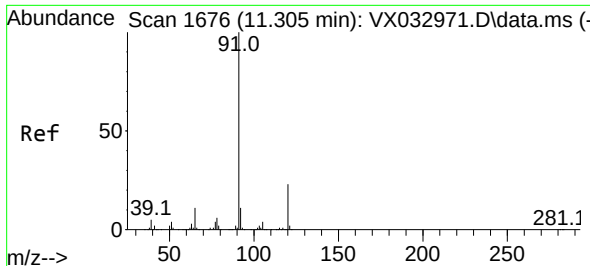


#73
Isopropylbenzene
Concen: 38.908 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25



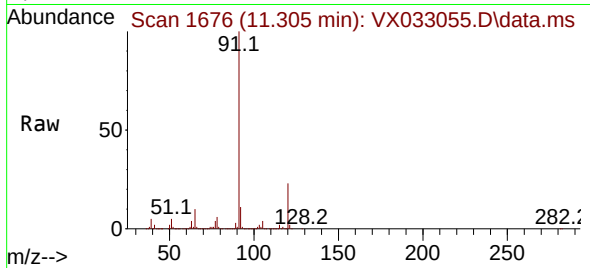
Tgt Ion:105 Resp: 332567
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3





#78
n-propylbenzene
Concen: 99.863 ug/l
RT: 11.305 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

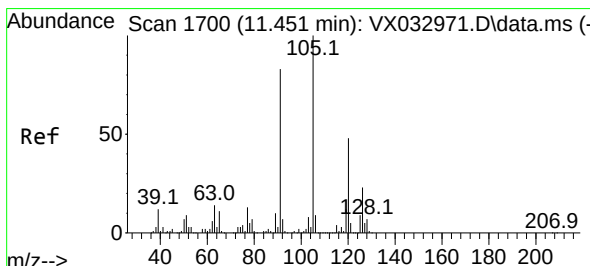
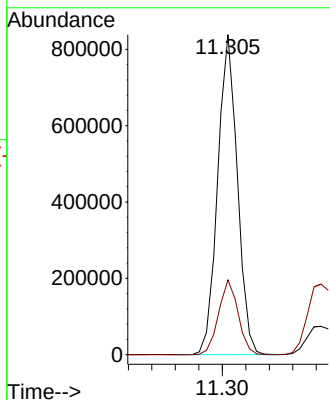
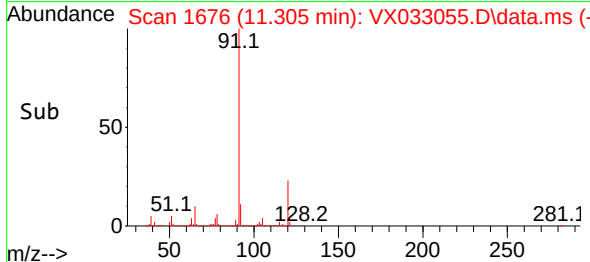
Instrument :
MSVOA_X
ClientSampleId :
MW-38



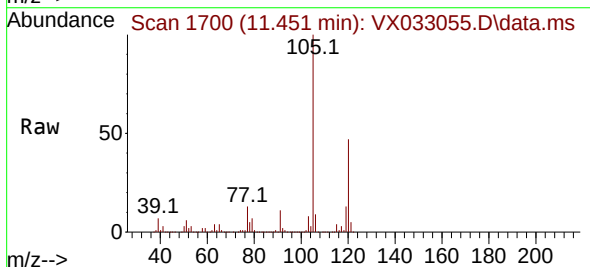
Tgt Ion: 91 Resp: 97593
Ion Ratio Lower Upper
91 100
120 23.2 11.6 34.8

Manual Integrations
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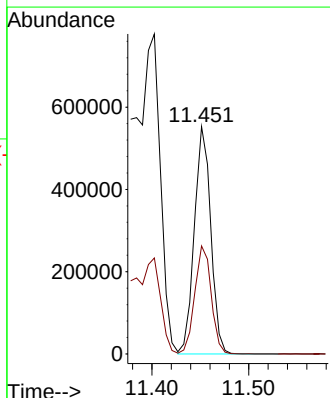
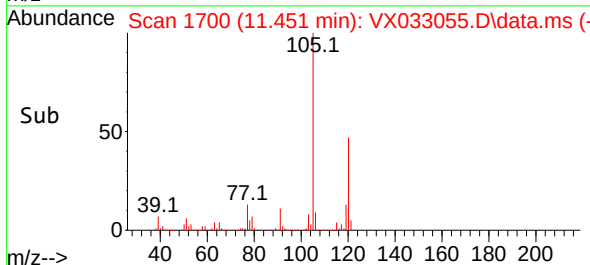
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022

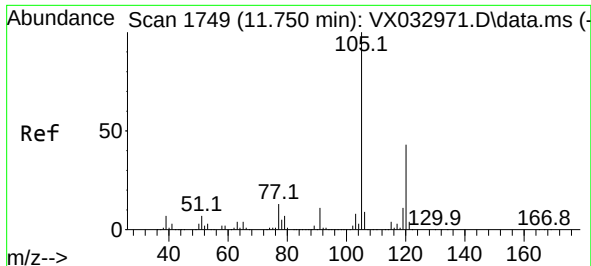


#80
1,3,5-Trimethylbenzene
Concen: 90.698 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25



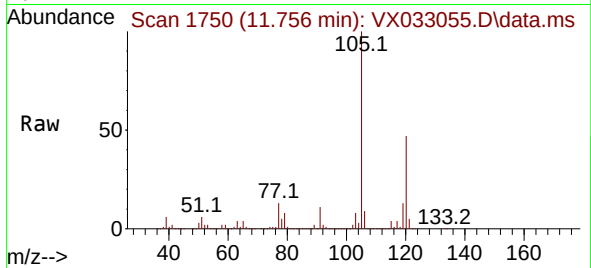
Tgt Ion:105 Resp: 651259
Ion Ratio Lower Upper
105 100
120 47.8 23.6 71.0





#84
1,2,4-Trimethylbenzene
Concen: 454.813 ug/l
RT: 11.756 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

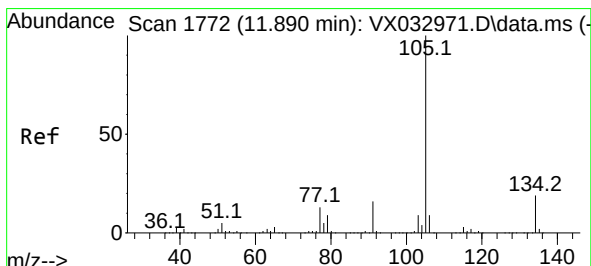
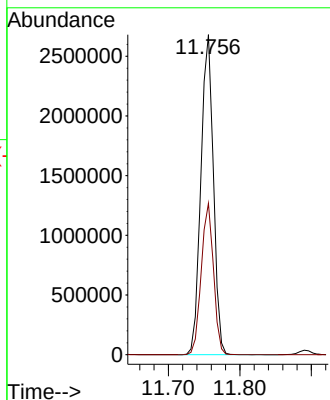
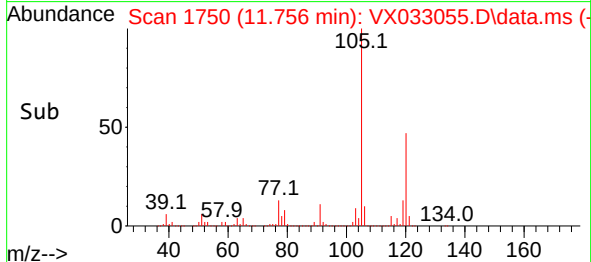
Instrument :
MSVOA_X
ClientSampleId :
MW-38



Tgt Ion:105 Resp: 325636
Ion Ratio Lower Upper
105 100
120 46.3 21.9 65.5

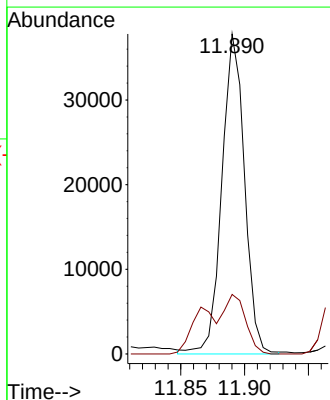
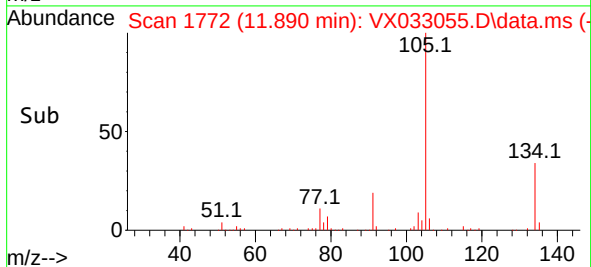
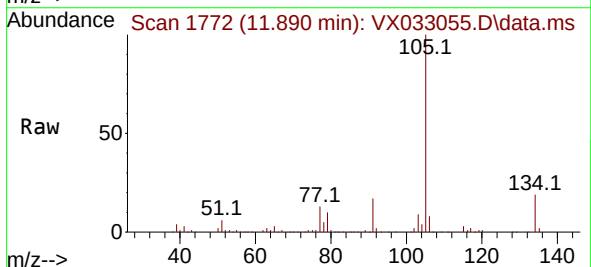
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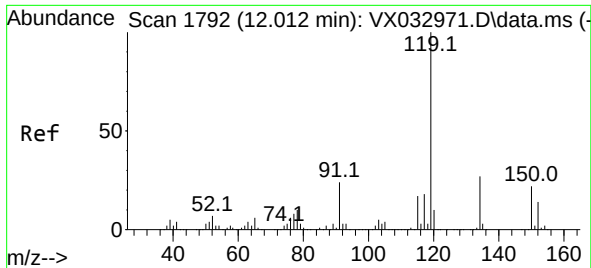
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#85
sec-Butylbenzene
Concen: 5.454 ug/l m
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

Tgt Ion:105 Resp: 46642
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#





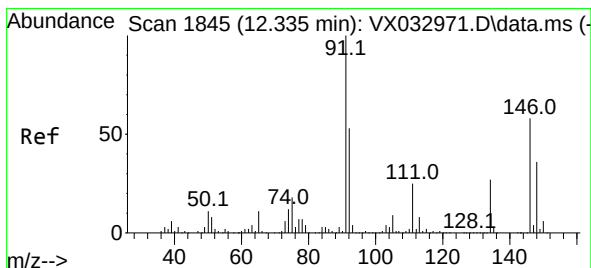
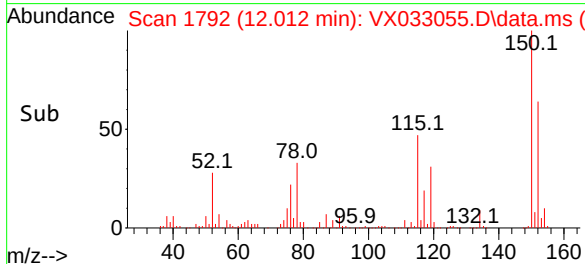
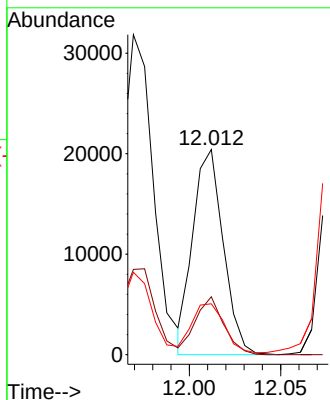
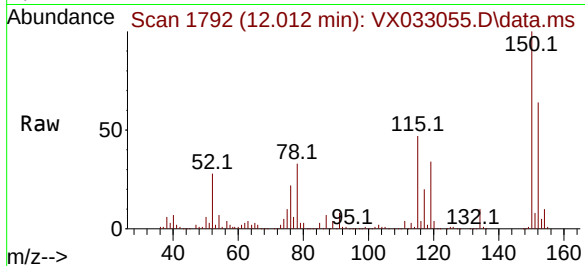
#86
p-Isopropyltoluene
Concen: 3.261 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

Instrument :
MSVOA_X
ClientSampleId :
MW-38

Tgt Ion:119 Resp: 23620
Ion Ratio Lower Upper
119 100
134 26.5 12.9 38.7
91 0.0 12.5 37.5

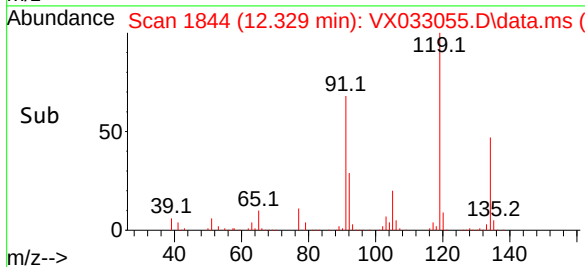
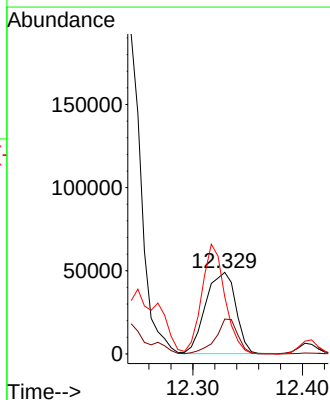
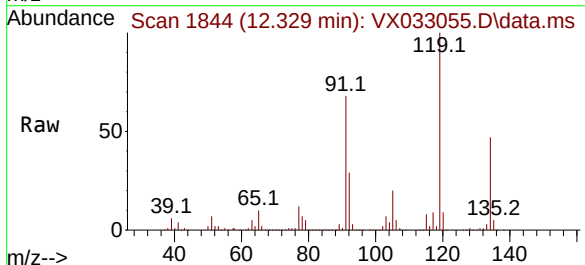
Manual Integrations
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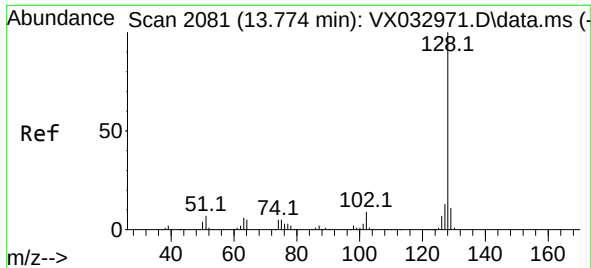
Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022



#89
n-Butylbenzene
Concen: 14.994 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

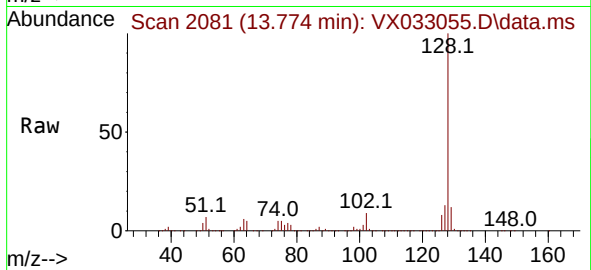
Tgt Ion: 91 Resp: 93585
Ion Ratio Lower Upper
91 100
92 31.9 26.2 78.6
134 102.9 12.9 38.6#





#95
Naphthalene
Concen: 234.836 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033055.D
Acq: 24 Nov 2022 11:25

Instrument :
MSVOA_X
ClientSampleId :
MW-38



Tgt Ion:128 Resp: 1796178
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.3 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/28/2022

