

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075788.D
 Acq On : 15 Dec 2022 00:28
 Operator : JC\MD
 Sample : N5990-07 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-41

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 03:15:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	323979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	499424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	434808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	165466	46.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.900%		
35) Dibromofluoromethane	8.177	113	148975	48.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.571	98	580531	50.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.400%		
62) 4-Bromofluorobenzene	12.853	95	185271	48.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.740%		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.265	56	14576m	2.888	ug/l	
39) Methylcyclohexane	9.600	83	5454	1.100	ug/l	95
40) Benzene	8.612	78	234487	18.498	ug/l	98
52) Toluene	10.635	92	167762	20.321	ug/l	99
67) Ethyl Benzene	11.965	91	118584	7.873	ug/l	98
68) m/p-Xylenes	12.076	106	116802	19.593	ug/l	99
69) o-Xylene	12.400	106	86247	14.619	ug/l	100
73) Isopropylbenzene	12.694	105	7970	0.576	ug/l	98
78) n-propylbenzene	13.035	91	23733	1.555	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	51788	4.472	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	171618	14.938	ug/l	99
89) n-Butylbenzene	14.059	91	5009	0.527	ug/l #	79
95) Naphthalene	15.647	128	36659	5.542	ug/l	99

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

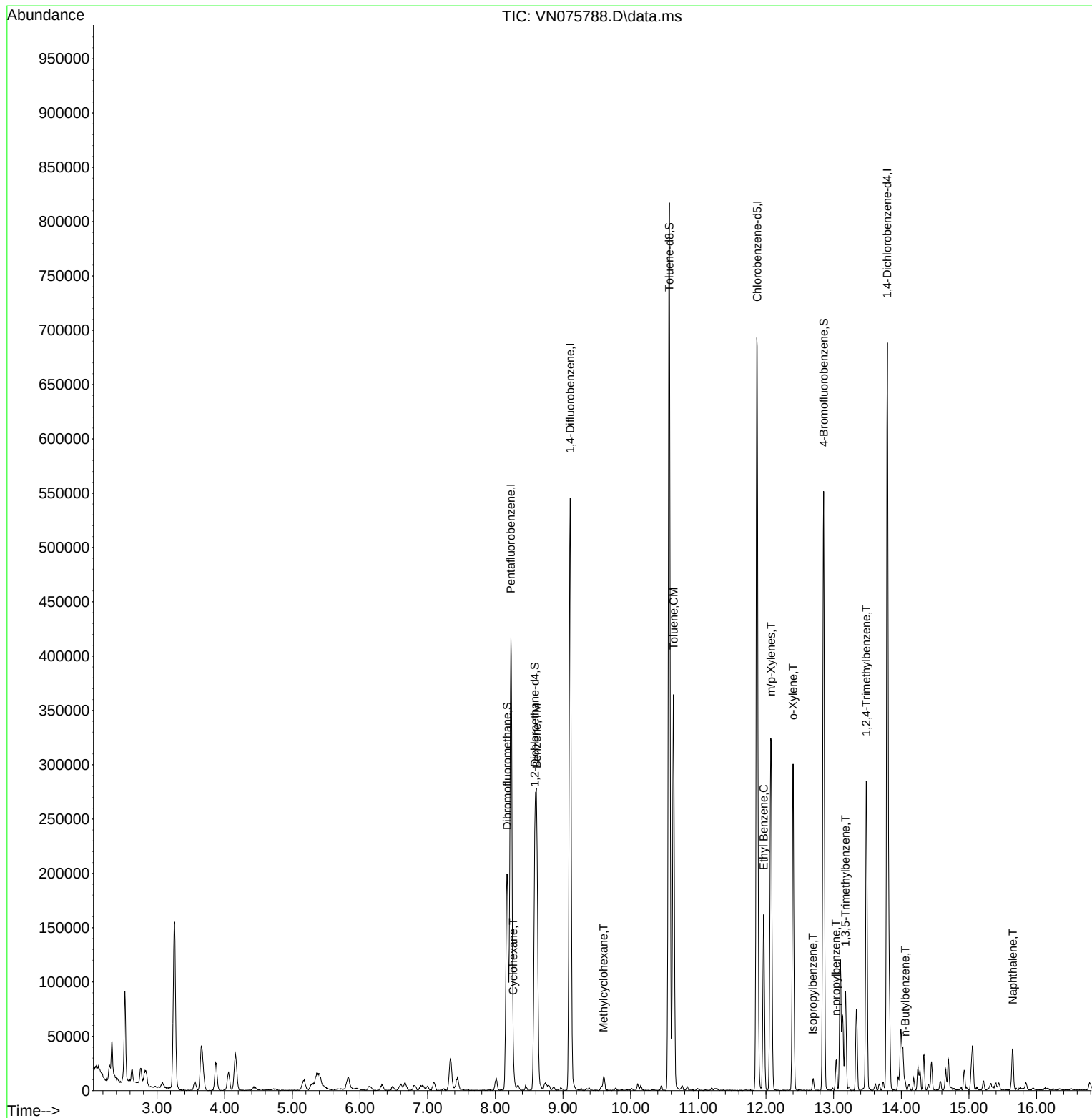
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
Data File : VN075788.D
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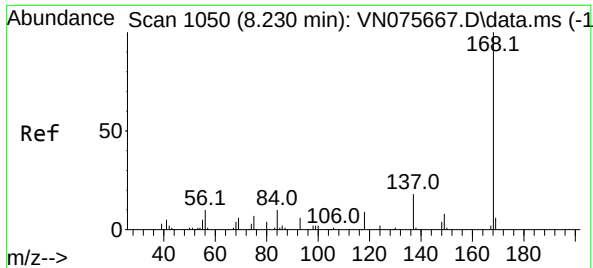
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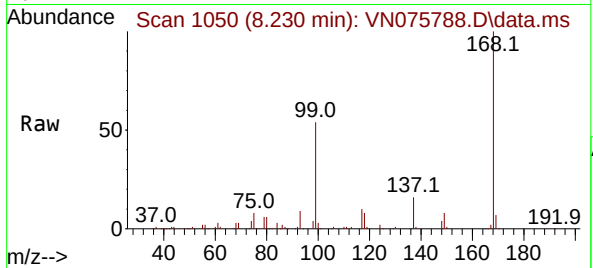
Quant Time: Dec 15 03:15:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

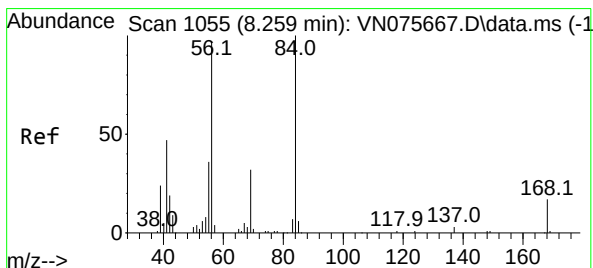
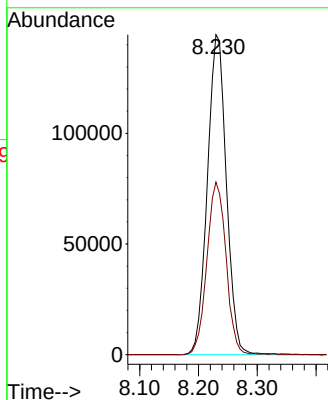
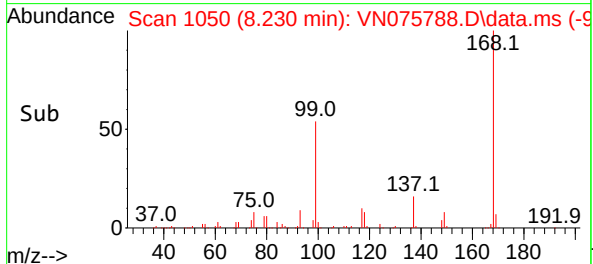
Instrument :
MSVOA_N
ClientSampleId :
MW-41



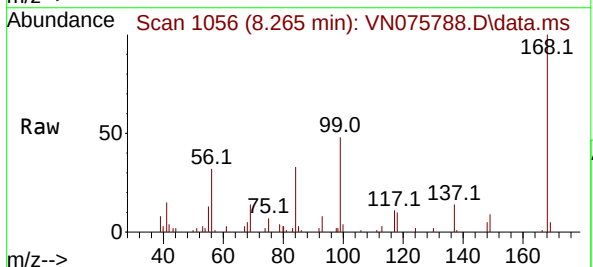
Tgt Ion:168 Resp: 323979
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4

Manual Integrations
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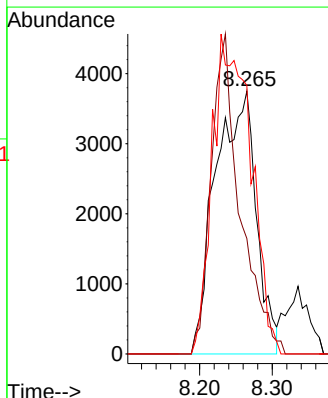
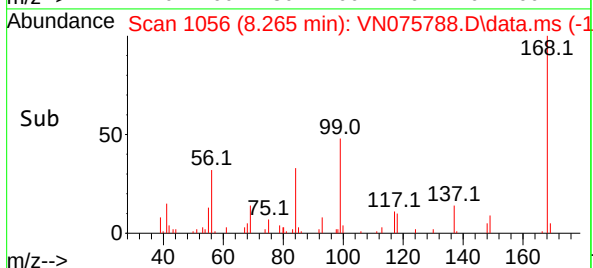
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

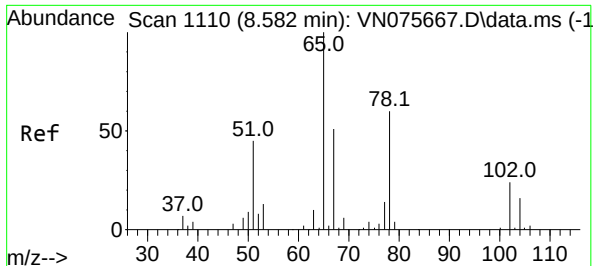


#31
Cyclohexane
Concen: 2.888 ug/l m
RT: 8.265 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28



Tgt Ion: 56 Resp: 14576
Ion Ratio Lower Upper
56 100
69 44.0 24.7 37.1#
84 102.2 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 46.946 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075788.D

Acq: 15 Dec 2022 00:28

Instrument :

MSVOA_N

ClientSampleId :

MW-41

Tgt Ion: 65 Resp: 165460

Ion Ratio Lower Upper

65 100

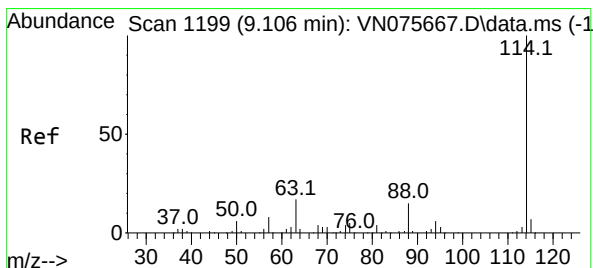
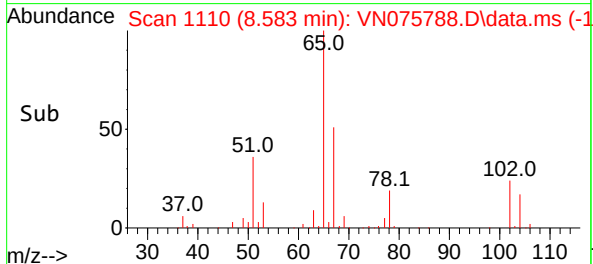
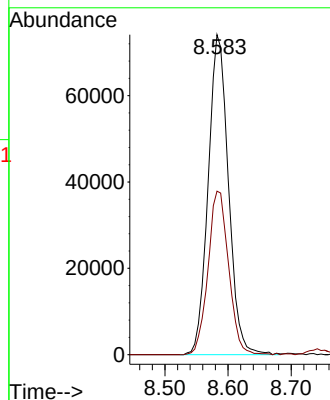
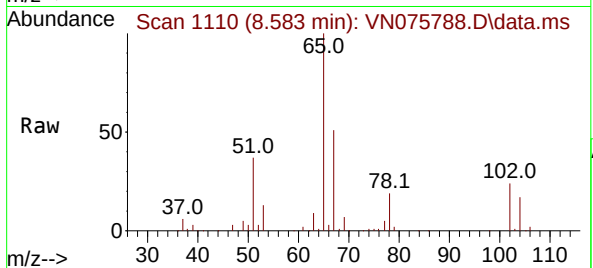
67 52.0 0.0 103.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075788.D

Acq: 15 Dec 2022 00:28

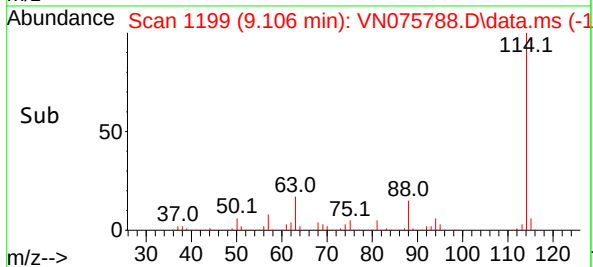
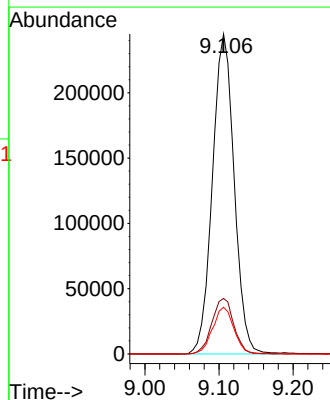
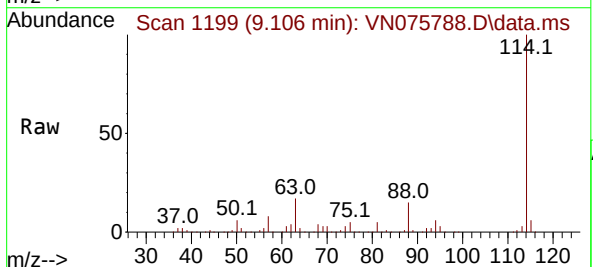
Tgt Ion:114 Resp: 499424

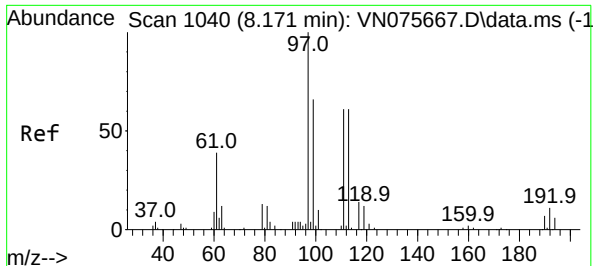
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.167 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075788.D

Acq: 15 Dec 2022 00:28

Instrument :

MSVOA_N

ClientSampleId :

MW-41

Tgt Ion:113 Resp: 14897

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

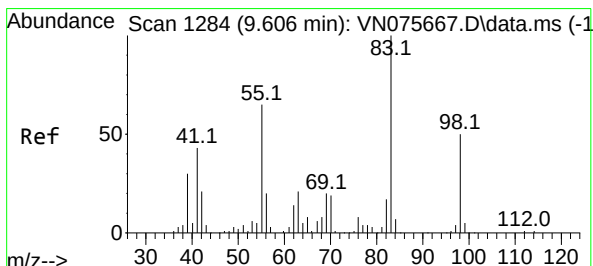
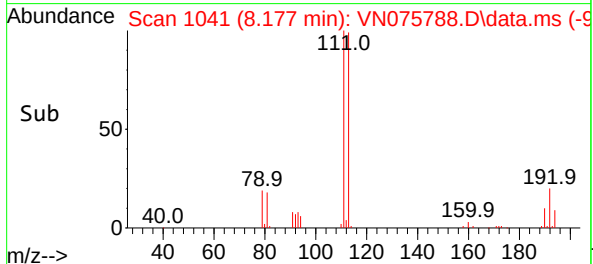
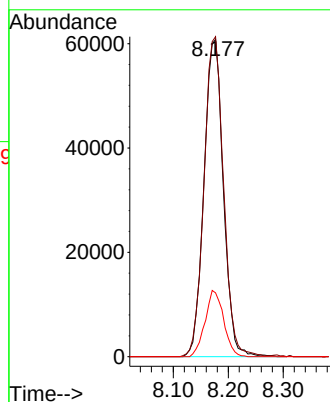
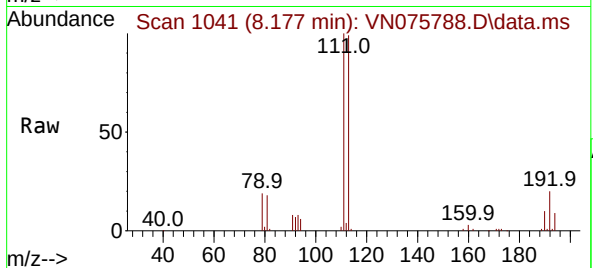
192 20.0 16.1 24.1

Manual Integrations

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#39

Methylcyclohexane

Concen: 1.100 ug/l

RT: 9.600 min Scan# 1283

Delta R.T. -0.006 min

Lab File: VN075788.D

Acq: 15 Dec 2022 00:28

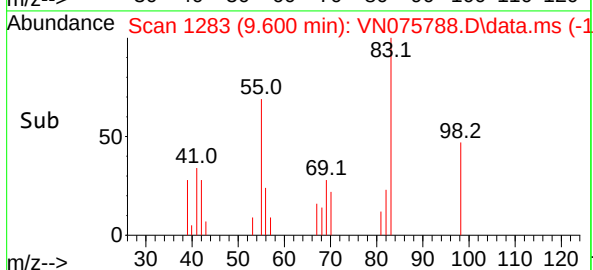
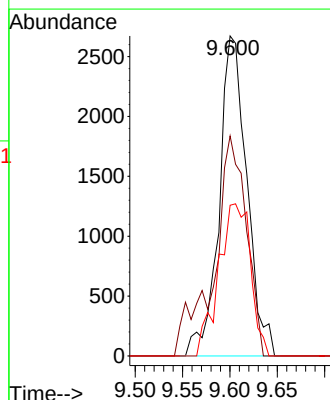
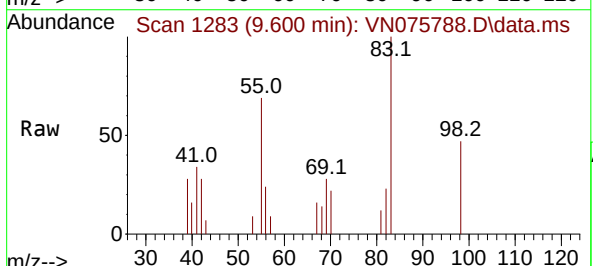
Tgt Ion: 83 Resp: 5454

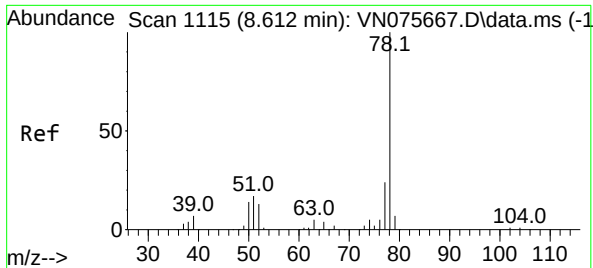
Ion Ratio Lower Upper

83 100

55 68.8 51.4 77.0

98 47.1 39.8 59.8





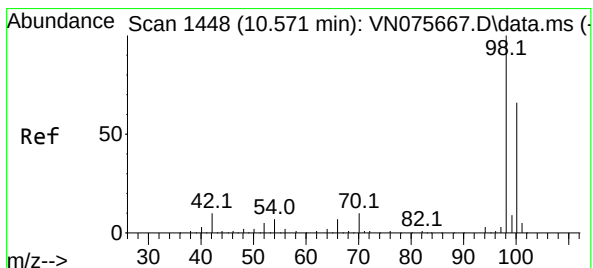
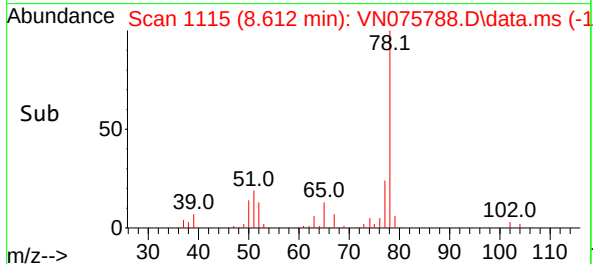
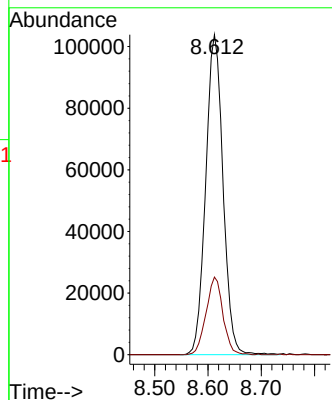
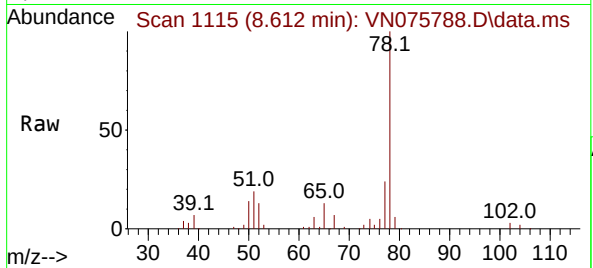
#40
Benzene
Concen: 18.498 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

Instrument :
MSVOA_N
ClientSampleId :
MW-41

Tgt Ion: 78 Resp: 23448
Ion Ratio Lower Upper
78 100
77 24.2 18.5 27.7

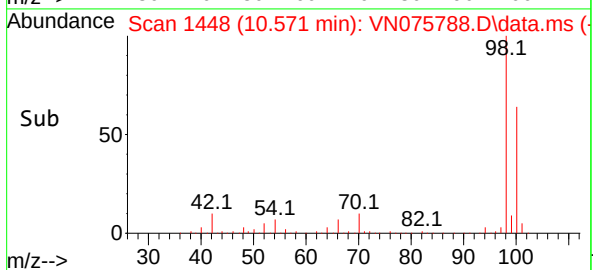
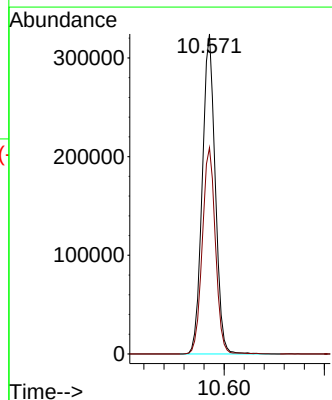
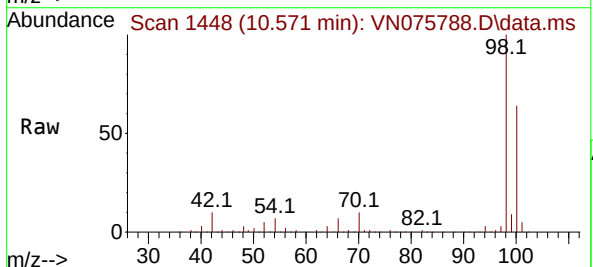
Manual Integrations
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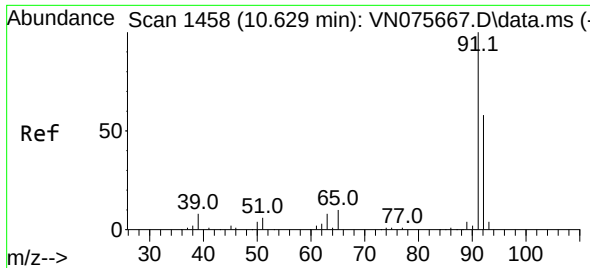
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#50
Toluene-d8
Concen: 50.202 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

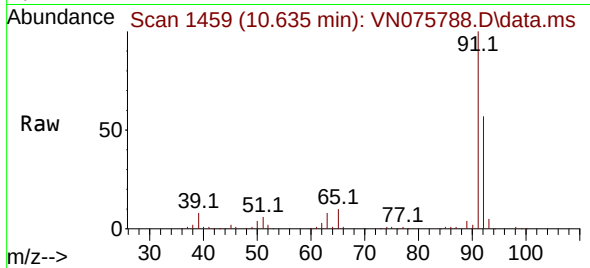
Tgt Ion: 98 Resp: 580531
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1





#52
Toluene
Concen: 20.321 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

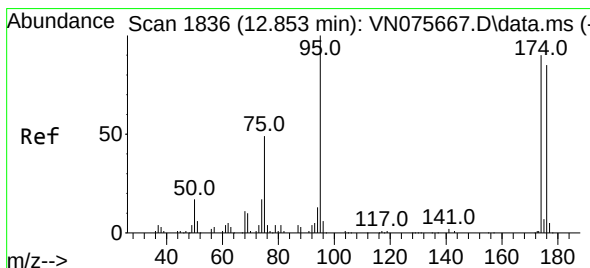
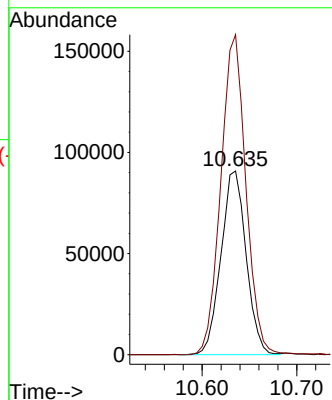
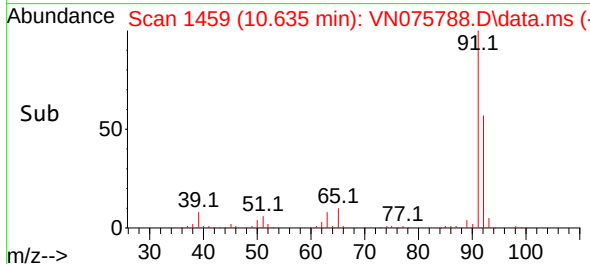
Instrument :
MSVOA_N
ClientSampleId :
MW-41



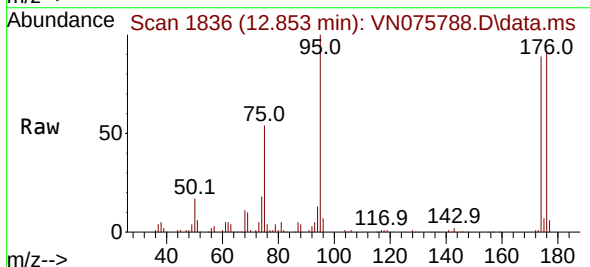
Tgt Ion: 92 Resp: 167762
Ion Ratio Lower Upper
92 100
91 173.6 137.3 205.9

Manual Integrations
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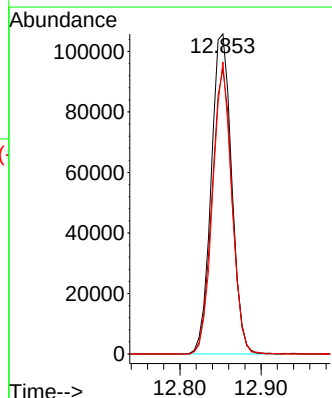
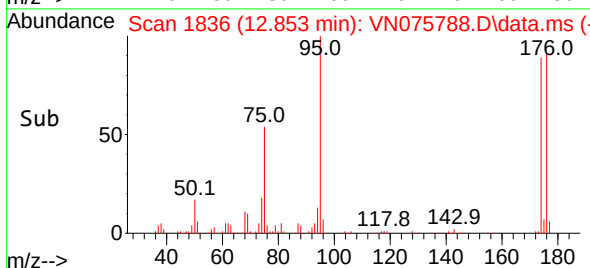
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

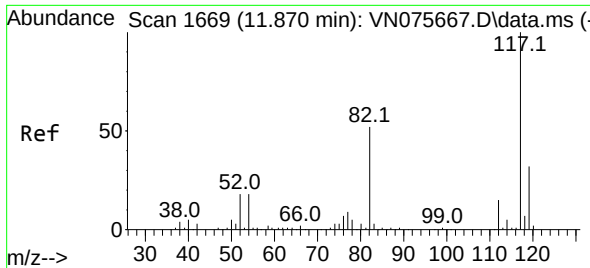


#62
4-Bromofluorobenzene
Concen: 48.373 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28



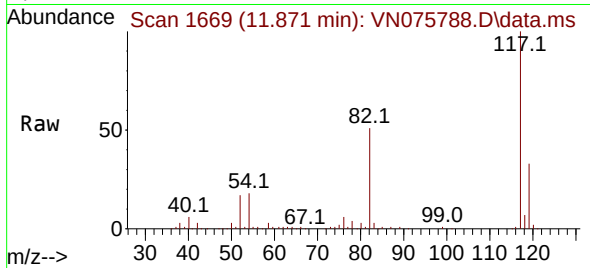
Tgt Ion: 95 Resp: 185271
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 84.4 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

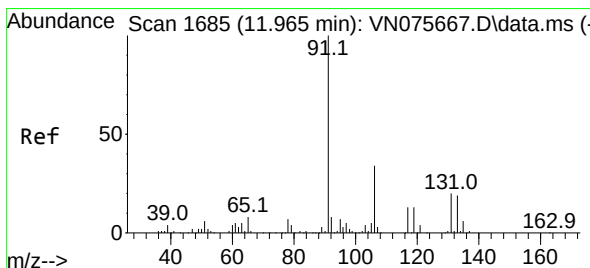
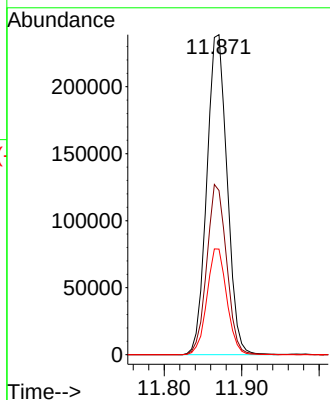
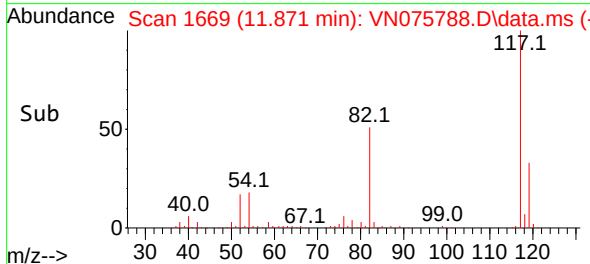
Instrument :
MSVOA_N
ClientSampleId :
MW-41



Tgt Ion:117 Resp: 434808
Ion Ratio Lower Upper
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82 51.3 41.3 61.9
119 33.0 24.6 37.0

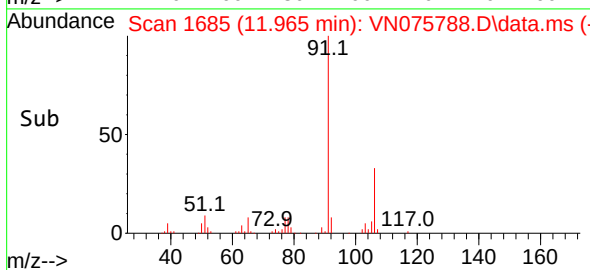
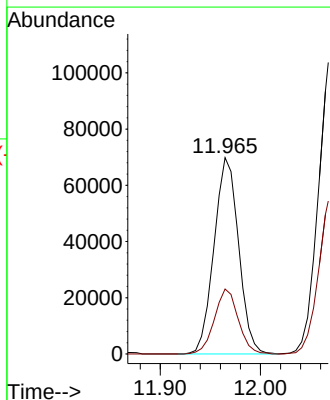
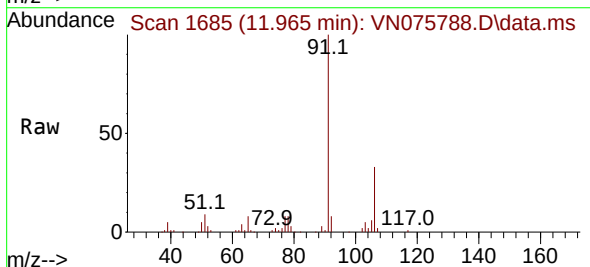
Manual Integrations
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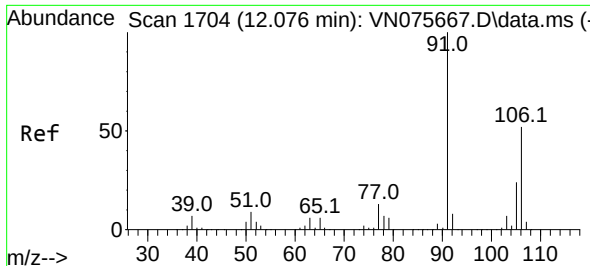
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#67
Ethyl Benzene
Concen: 7.873 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

Tgt Ion: 91 Resp: 118584
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5





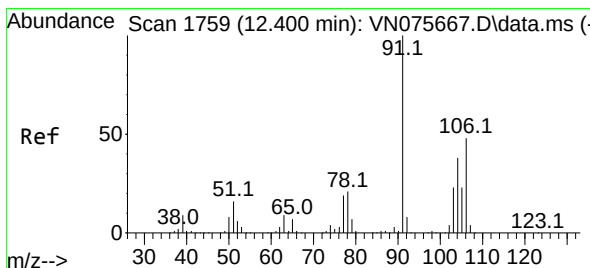
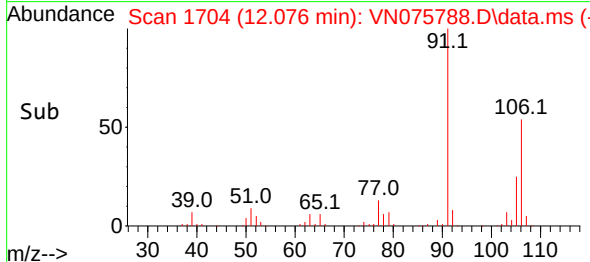
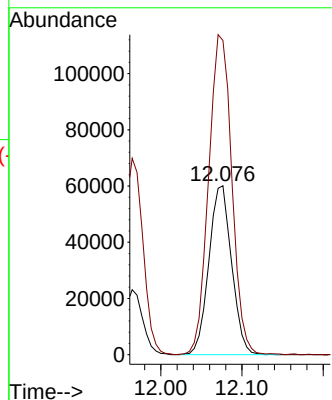
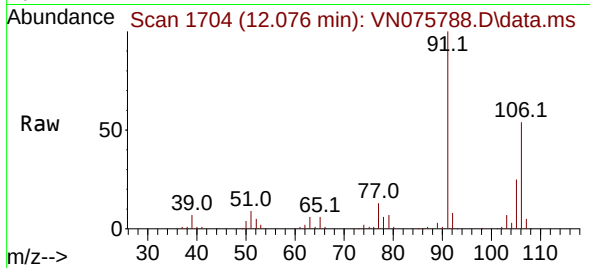
#68
m/p-Xylenes
Concen: 19.593 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

Instrument :
MSVOA_N
ClientSampleId :
MW-41

Tgt Ion:106 Resp: 116802
Ion Ratio Lower Upper
106 100
91 193.8 156.6 235.0

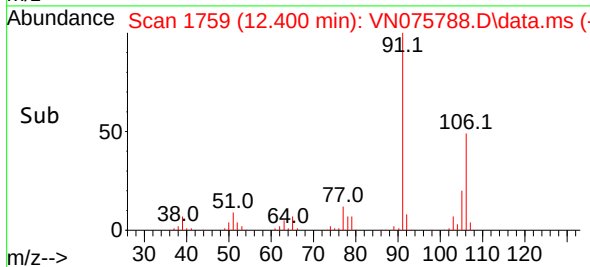
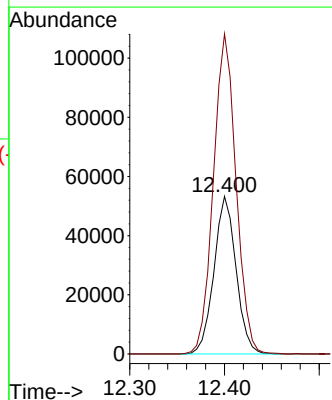
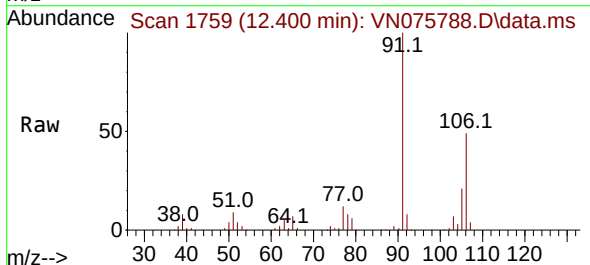
Manual Integrations
APPROVED

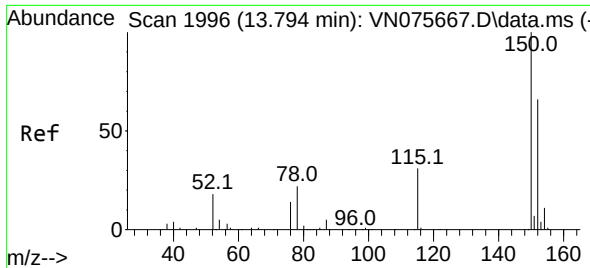
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#69
o-Xylene
Concen: 14.619 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

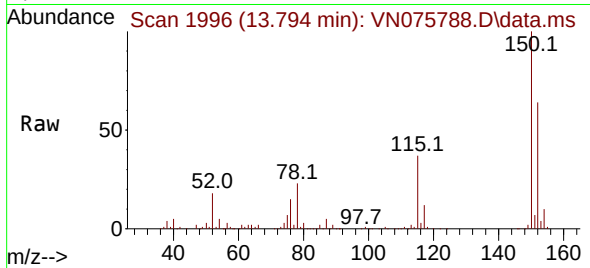
Tgt Ion:106 Resp: 86247
Ion Ratio Lower Upper
106 100
91 208.4 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

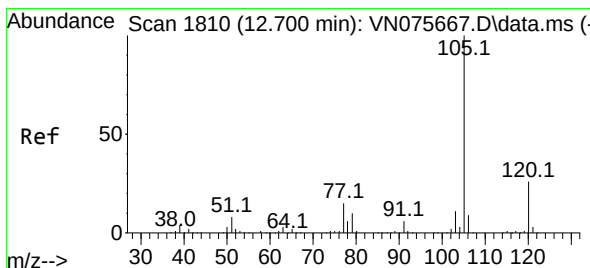
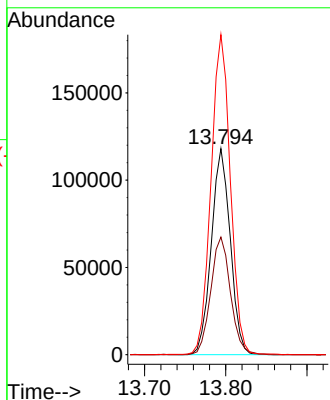
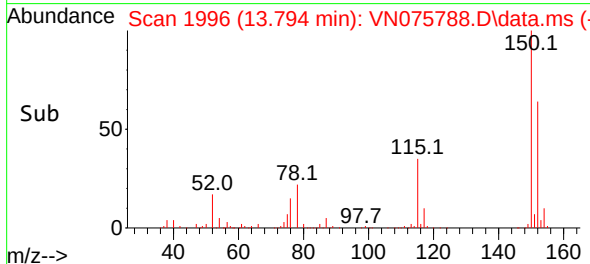
Instrument :
MSVOA_N
ClientSampleId :
MW-41



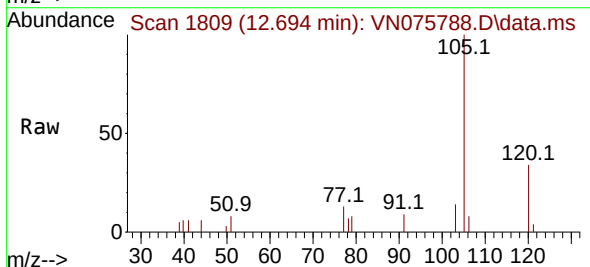
Tgt Ion:152 Resp: 19148
Ion Ratio Lower Upper
152 100
115 59.4 29.1 87.4
150 158.5 0.0 347.0

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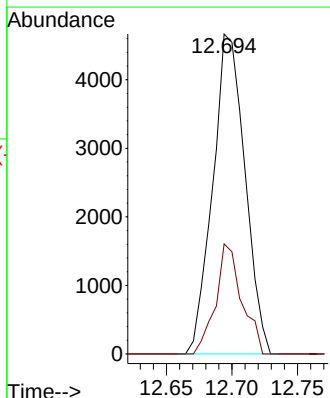
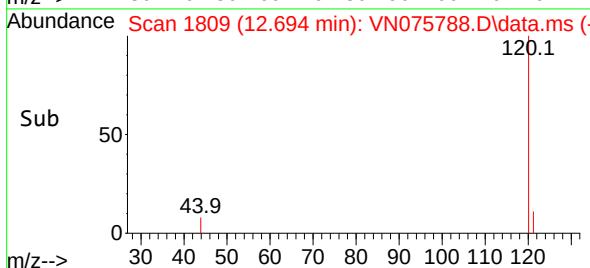
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

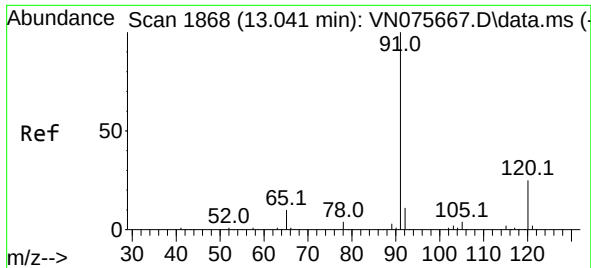


#73
Isopropylbenzene
Concen: 0.576 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28



Tgt Ion:105 Resp: 7970
Ion Ratio Lower Upper
105 100
120 27.9 13.4 40.2





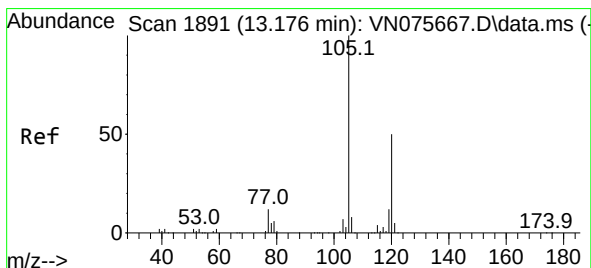
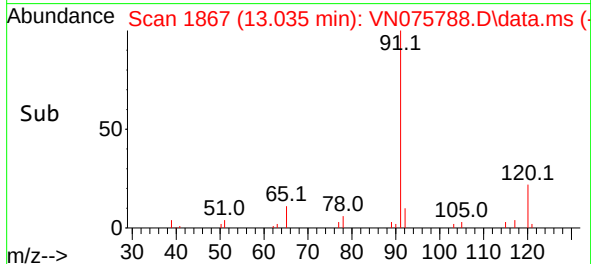
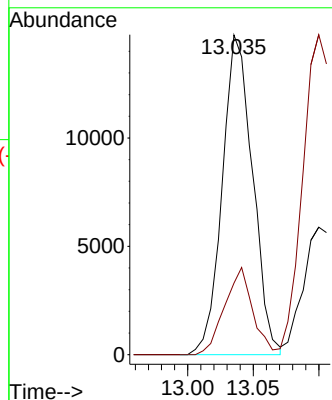
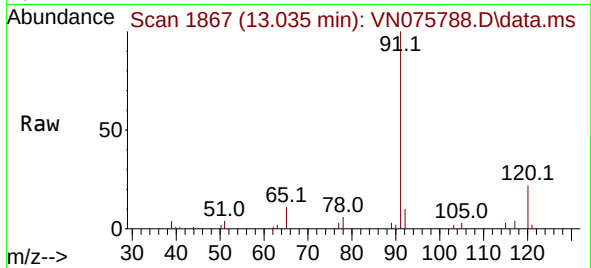
#78
n-propylbenzene
Concen: 1.555 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

Instrument :
MSVOA_N
ClientSampleId :
MW-41

Tgt Ion: 91 Resp: 2373
Ion Ratio Lower Upper
91 100
120 25.1 12.0 36.1

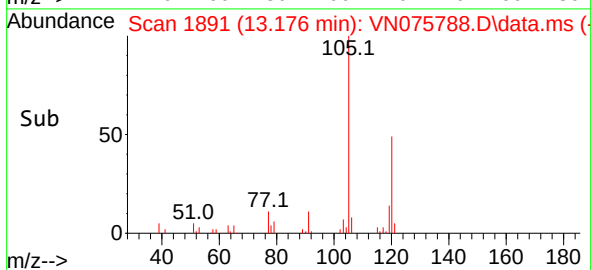
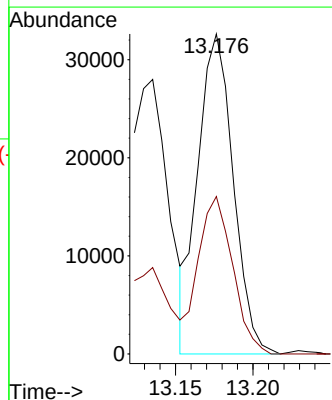
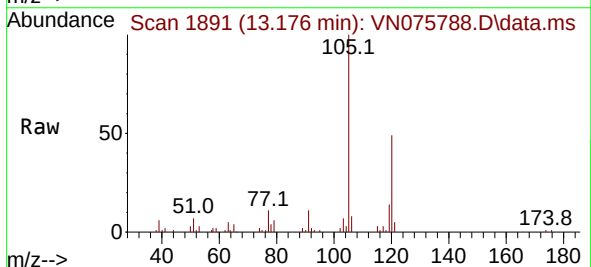
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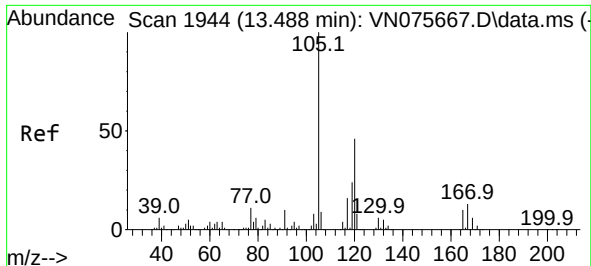
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#80
1,3,5-Trimethylbenzene
Concen: 4.472 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

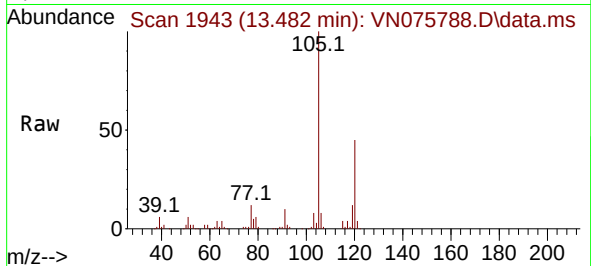
Tgt Ion:105 Resp: 51788
Ion Ratio Lower Upper
105 100
120 48.1 24.7 74.1





#84
1,2,4-Trimethylbenzene
Concen: 14.938 ug/l
RT: 13.482 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

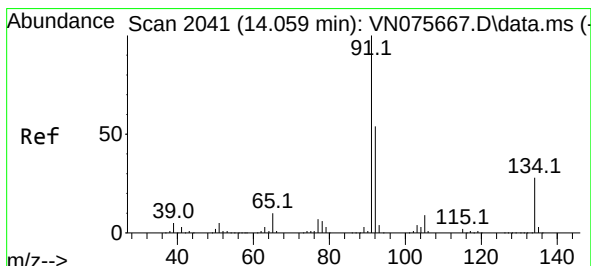
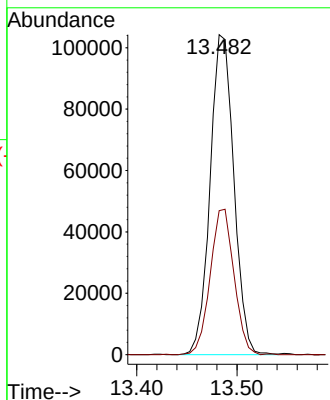
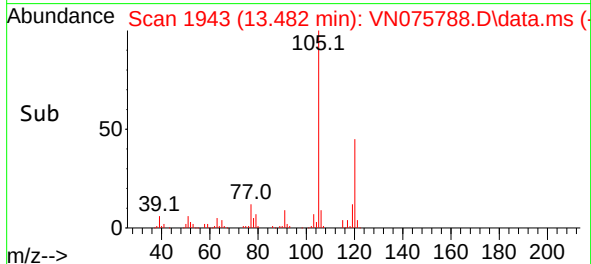
Instrument :
MSVOA_N
ClientSampleId :
MW-41



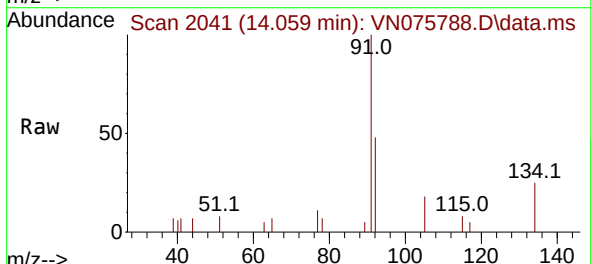
Tgt Ion:105 Resp: 171618
Ion Ratio Lower Upper
105 100
120 45.6 23.3 69.8

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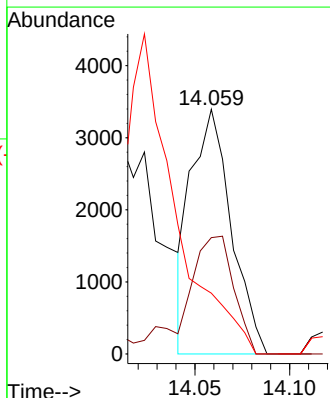
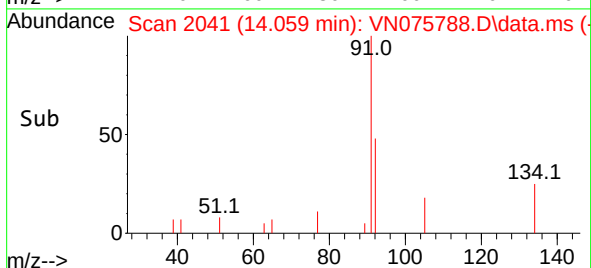
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

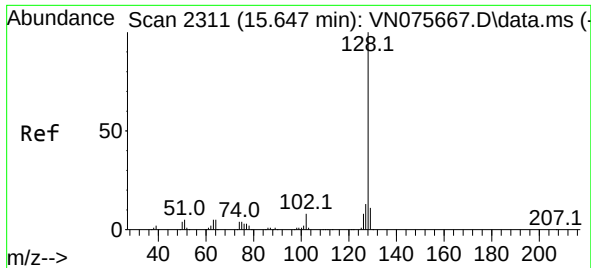


#89
n-Butylbenzene
Concen: 0.527 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28



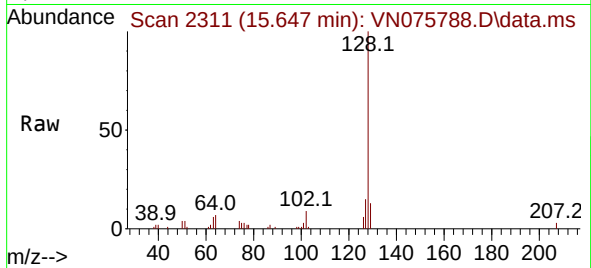
Tgt Ion: 91 Resp: 5009
Ion Ratio Lower Upper
91 100
92 56.8 26.4 79.2
134 0.0 13.4 40.2#





#95
Naphthalene
Concen: 5.542 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075788.D
Acq: 15 Dec 2022 00:28

Instrument :
MSVOA_N
ClientSampleId :
MW-41



Tgt Ion:128 Resp: 36659
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

