

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075800.D
 Acq On : 15 Dec 2022 05:15
 Operator : JC\MD
 Sample : N5990-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-43

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 07:45:03 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	371580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	574993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	514629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243134	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	189082	46.774	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.540%		
35) Dibromofluoromethane	8.171	113	165854	46.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.160%		
50) Toluene-d8	10.571	98	676630	50.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.640%		
62) 4-Bromofluorobenzene	12.853	95	236185	53.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.120%		
Target Compounds					Qvalue	
16) Acetone	4.448	43	11566	8.300	ug/l #	56
19) Methyl tert-butyl Ether	5.800	73	77159	7.115	ug/l #	1
31) Cyclohexane	8.259	56	228915	39.540	ug/l #	91
39) Methylcyclohexane	9.606	83	259156	45.413	ug/l	97
40) Benzene	8.612	78	782141	53.592	ug/l	98
52) Toluene	10.635	92	103828	10.924	ug/l	99
65) Chlorobenzene	11.894	112	9422	0.892	ug/l #	78
67) Ethyl Benzene	11.959	91	21884221m	1227.582	ug/l	
68) m/p-Xylenes	12.076	106	15383020	2180.154	ug/l #	1
69) o-Xylene	12.400	106	6721859	962.658	ug/l	99
73) Isopropylbenzene	12.700	105	2084486	118.639	ug/l	99
78) n-propylbenzene	13.041	91	6942252	358.242	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	5333812	362.718	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	19546766m	1339.915	ug/l	
85) sec-Butylbenzene	13.618	105	253492m	14.165	ug/l	
86) p-Isopropyltoluene	13.735	119	128271	8.614	ug/l #	78
89) n-Butylbenzene	14.059	91	246751	20.455	ug/l #	68
95) Naphthalene	15.647	128	12819480	928.796	ug/l	99

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

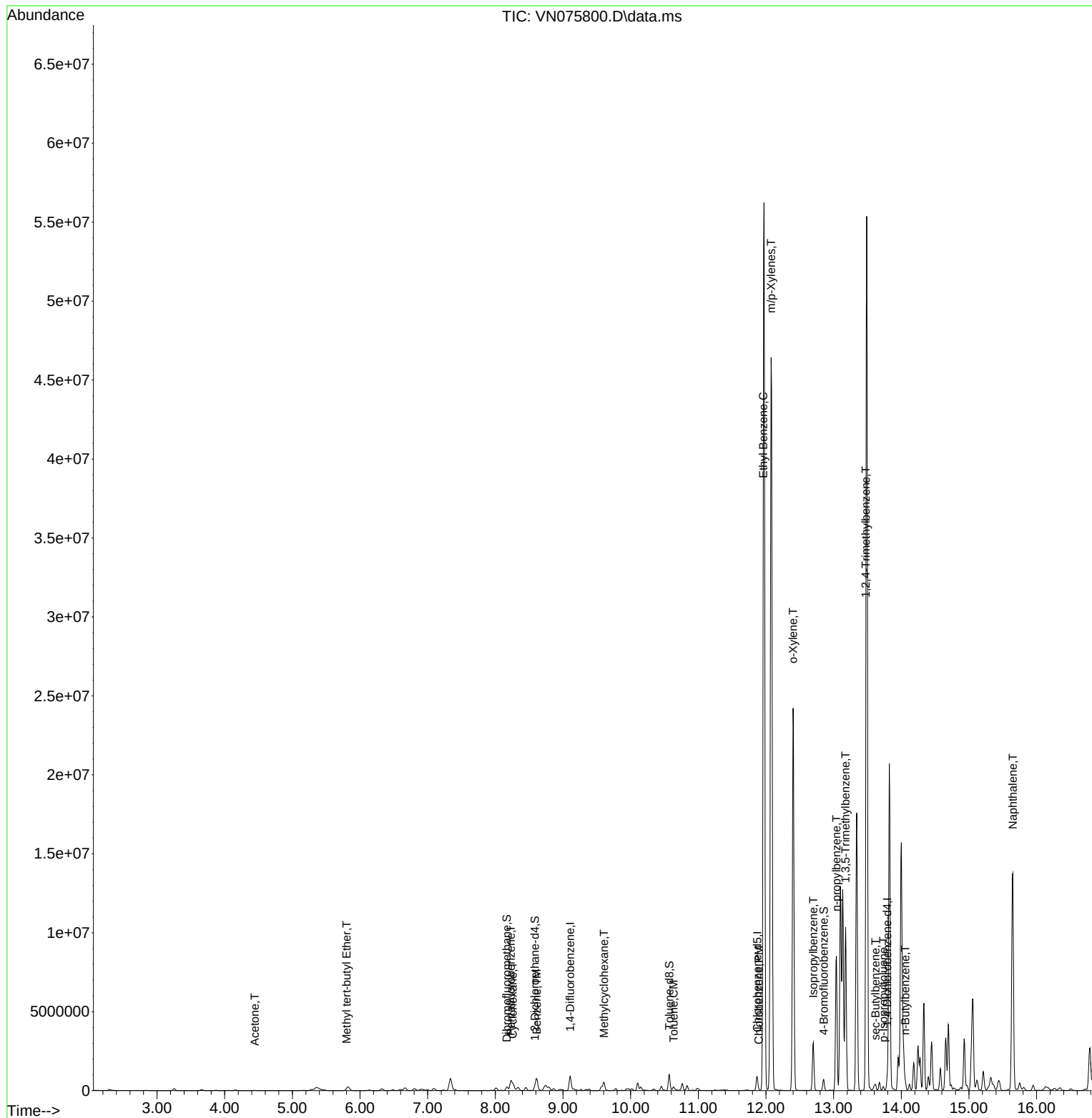
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
Data File : VN075800.D
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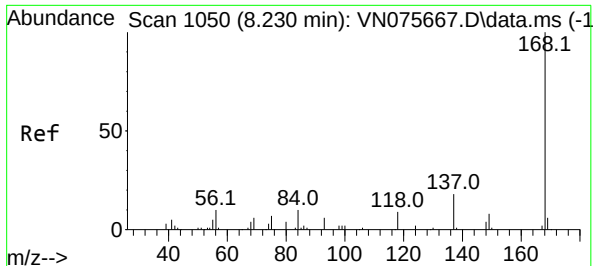
Instrument :
MSVOA_N
ClientSampleId :
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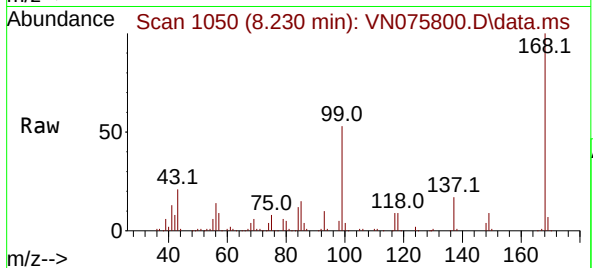
Quant Time: Dec 15 07:45:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

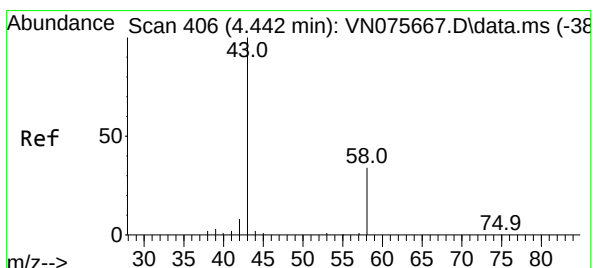
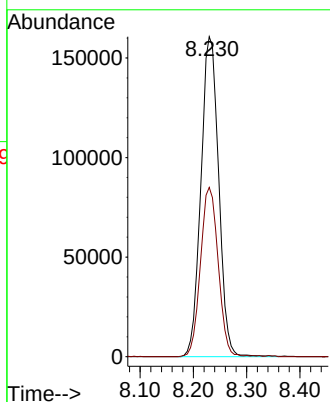
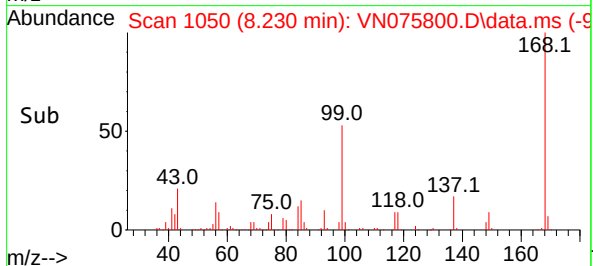
Instrument :
MSVOA_N
ClientSampleId :
MW-43



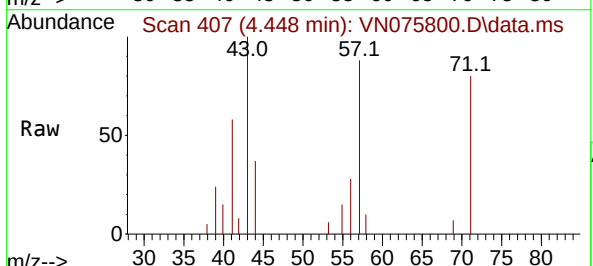
Tgt Ion:168 Resp: 371580
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4

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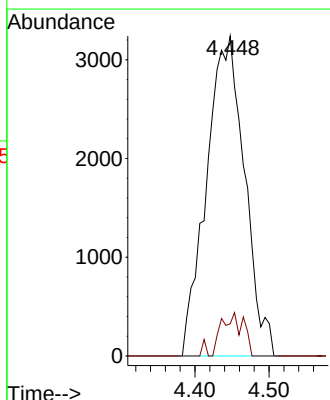
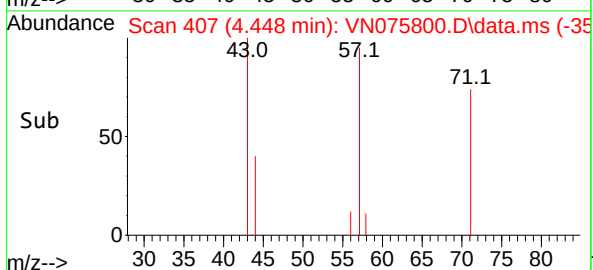
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

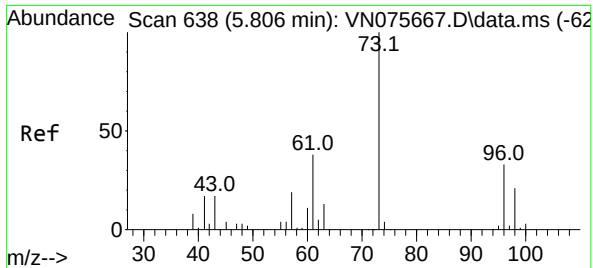


#16
Acetone
Concen: 8.300 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15



Tgt Ion: 43 Resp: 11566
Ion Ratio Lower Upper
43 100
58 10.1 28.6 43.0#





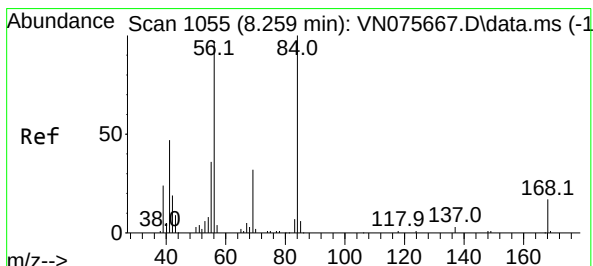
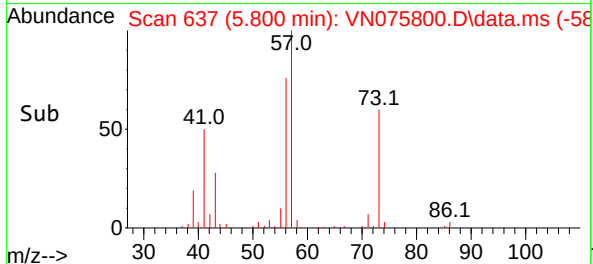
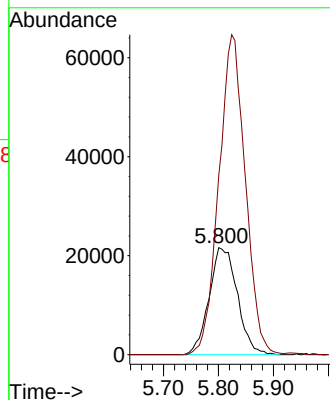
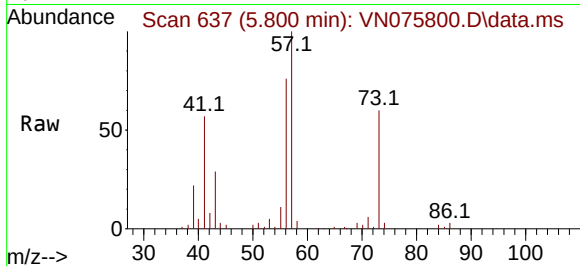
#19
Methyl tert-butyl Ether
Concen: 7.115 ug/l
RT: 5.800 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Instrument :
MSVOA_N
ClientSampleId :
MW-43

Tgt Ion: 73 Resp: 77159
Ion Ratio Lower Upper
73 100
57 167.3 17.1 25.7

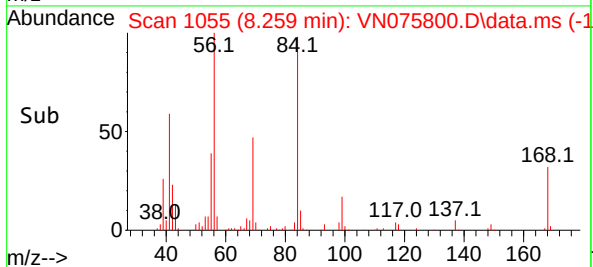
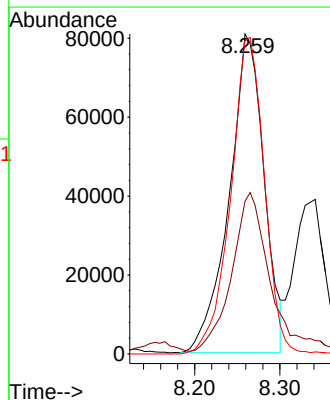
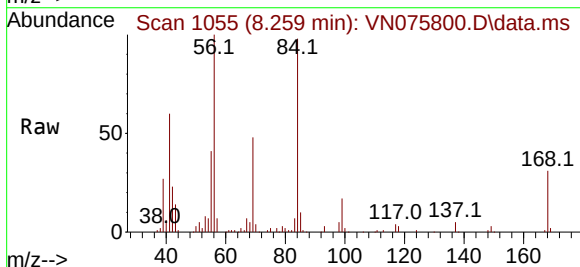
Manual Integrations
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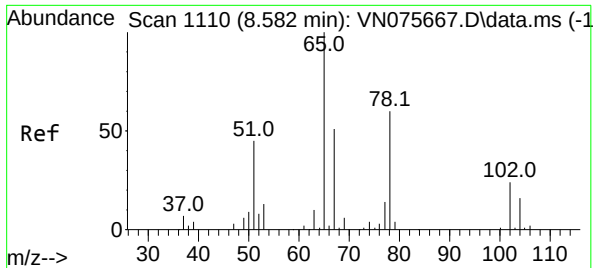
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#31
Cyclohexane
Concen: 39.540 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Tgt Ion: 56 Resp: 228915
Ion Ratio Lower Upper
56 100
69 46.2 24.7 37.1#
84 98.2 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 46.774 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075800.D

Acq: 15 Dec 2022 05:15

Instrument :

MSVOA_N

ClientSampleId :

MW-43

Tgt Ion: 65 Resp: 18908

Ion Ratio Lower Upper

65 100

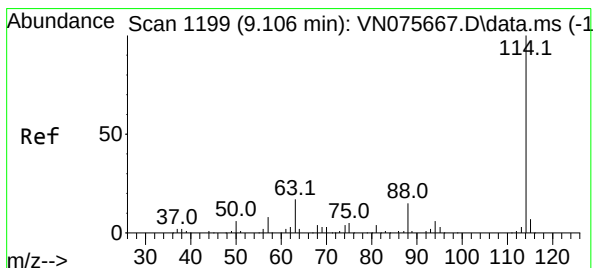
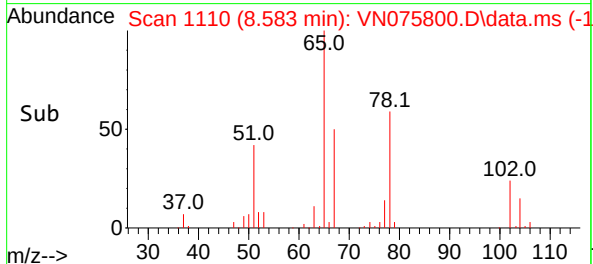
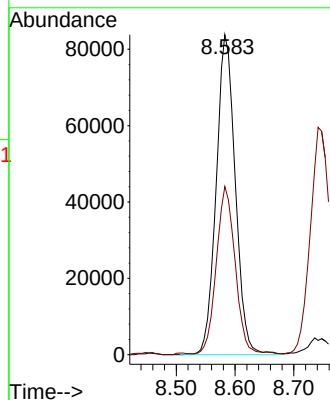
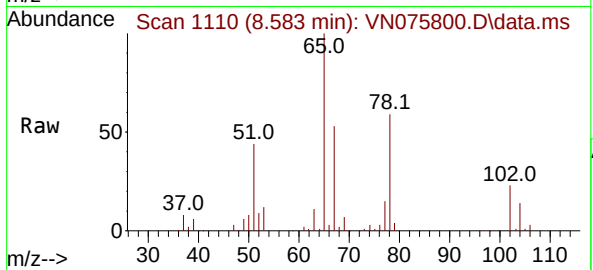
67 51.5 0.0 103.4

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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: VN075800.D

Acq: 15 Dec 2022 05:15

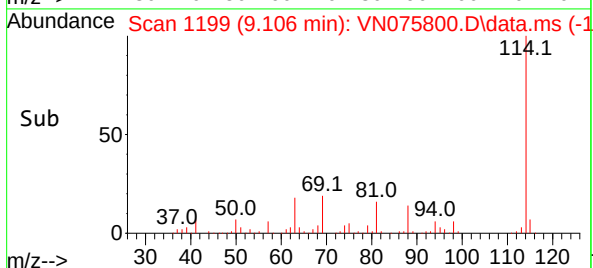
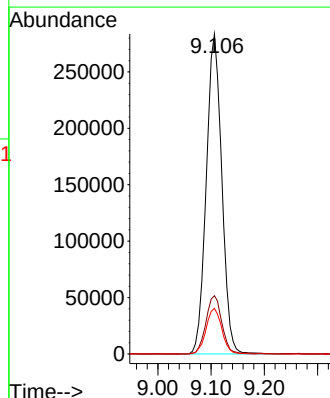
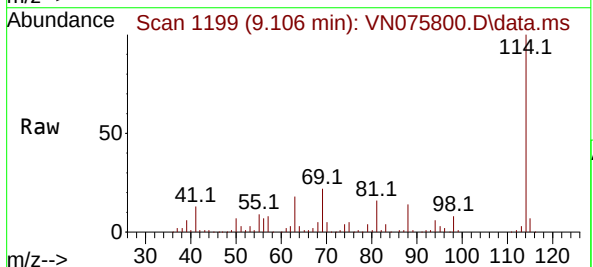
Tgt Ion:114 Resp: 574993

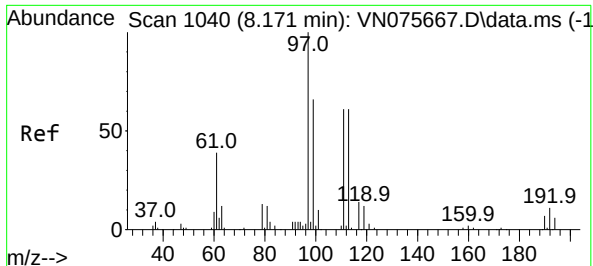
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 14.3 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.577 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075800.D

Acq: 15 Dec 2022 05:15

Instrument :

MSVOA_N

ClientSampleId :

MW-43

Tgt Ion:113 Resp: 165854

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

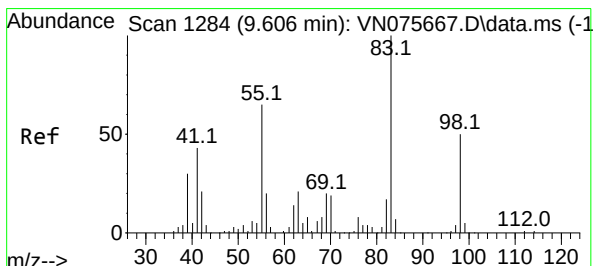
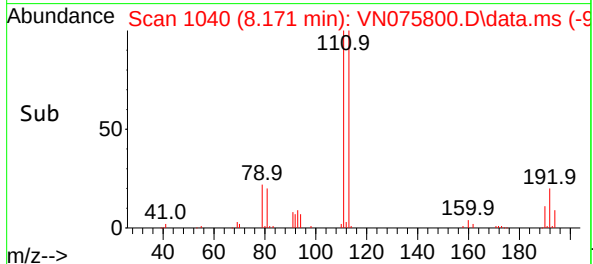
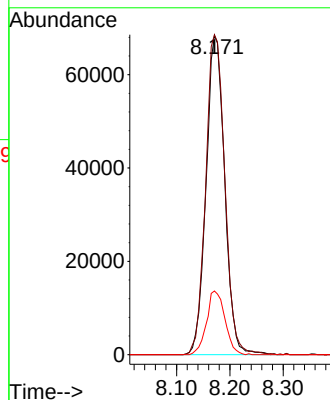
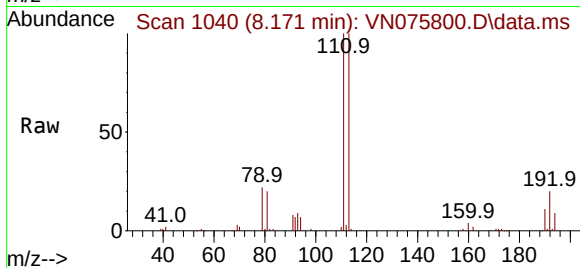
192 19.8 16.1 24.1

Manual Integrations

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Reviewed By :John Carlone 12/15/2022

Supervised By :Mahesh Dadoda 12/15/2022



#39

Methylcyclohexane

Concen: 45.413 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VN075800.D

Acq: 15 Dec 2022 05:15

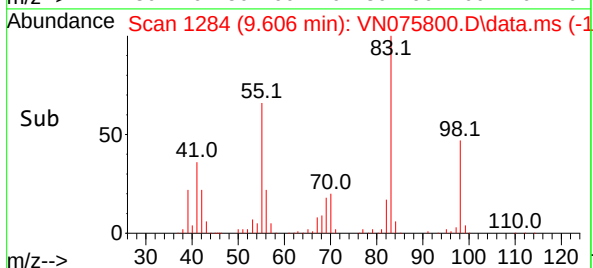
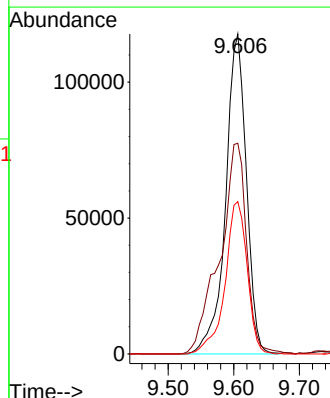
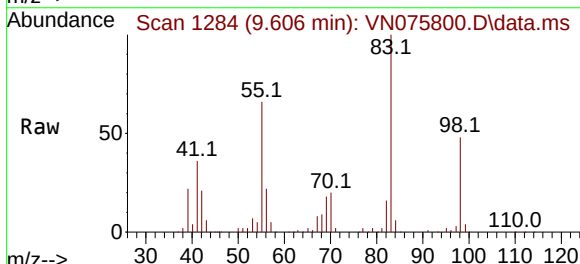
Tgt Ion: 83 Resp: 259156

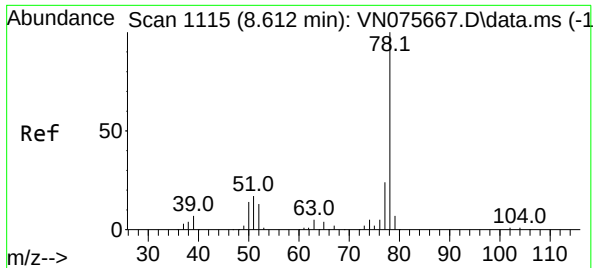
Ion Ratio Lower Upper

83 100

55 65.9 51.4 77.0

98 47.6 39.8 59.8





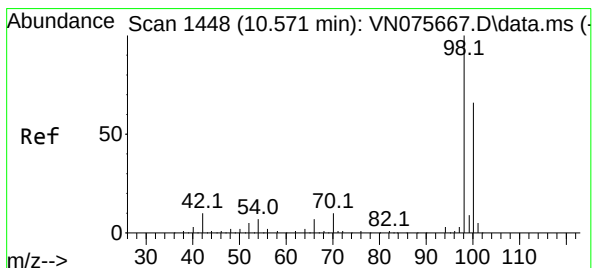
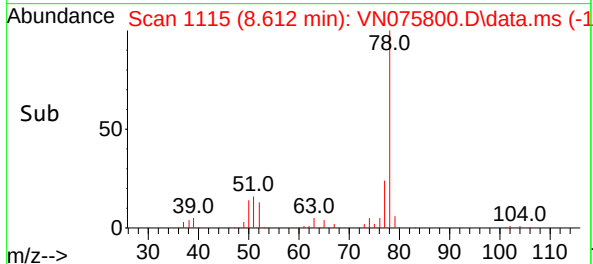
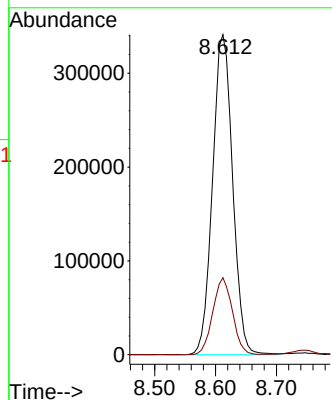
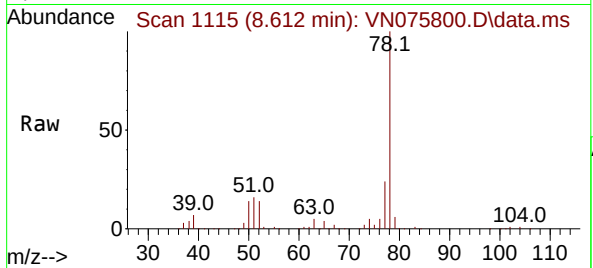
#40
Benzene
Concen: 53.592 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Instrument :
MSVOA_N
ClientSampleId :
MW-43

Tgt Ion: 78 Resp: 78214
Ion Ratio Lower Upper
78 100
77 24.1 18.5 27.7

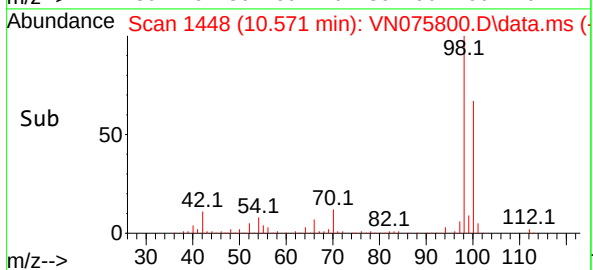
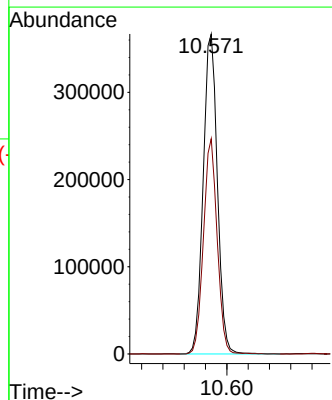
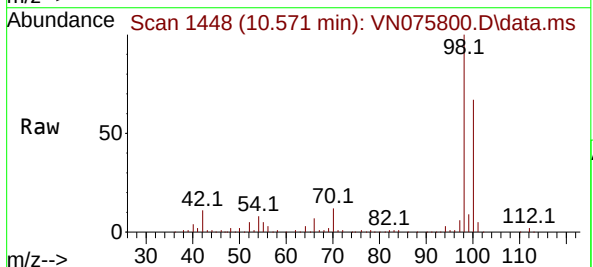
Manual Integrations
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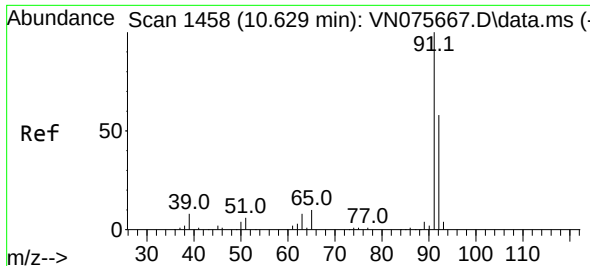
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#50
Toluene-d8
Concen: 50.822 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Tgt Ion: 98 Resp: 676630
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





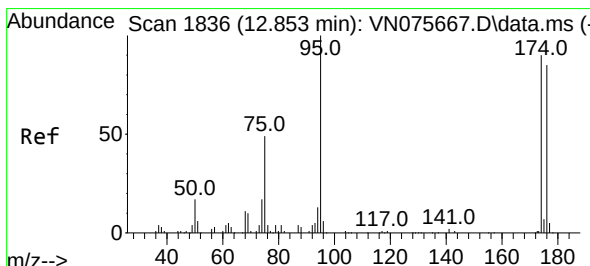
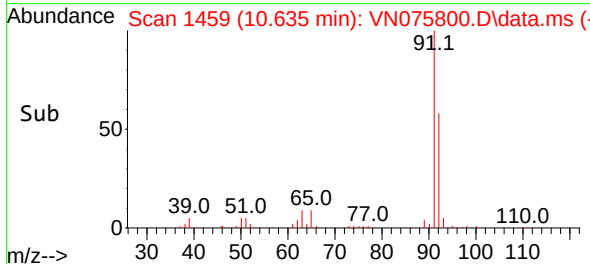
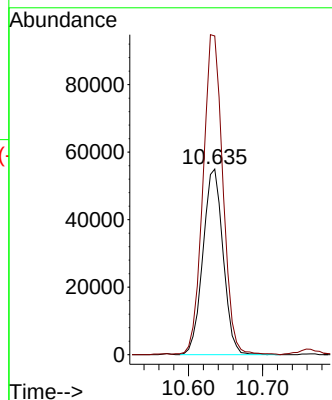
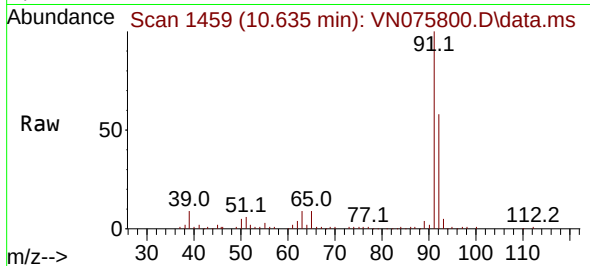
#52
Toluene
Concen: 10.924 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Instrument :
MSVOA_N
ClientSampleId :
MW-43

Tgt Ion: 92 Resp: 103828
Ion Ratio Lower Upper
92 100
91 170.3 137.3 205.9

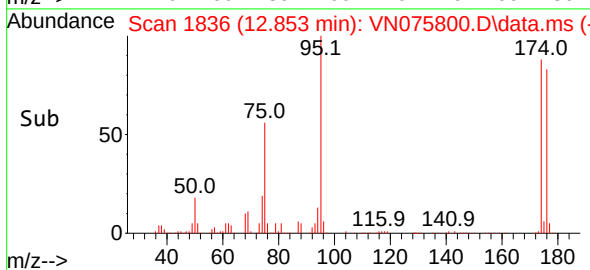
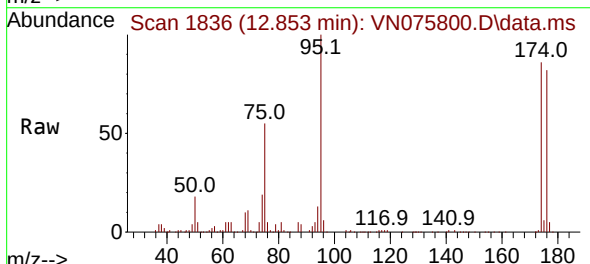
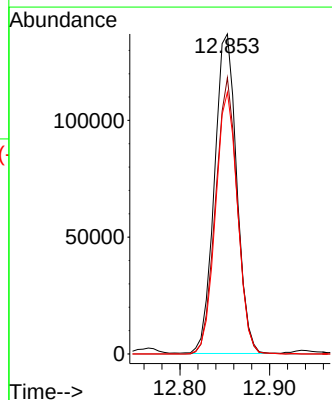
Manual Integrations
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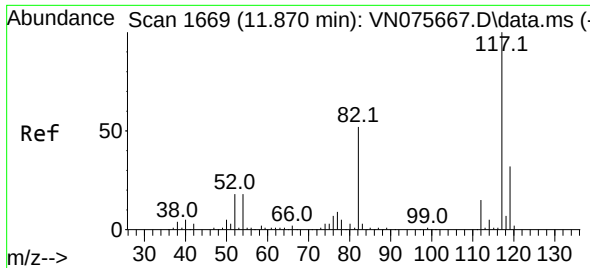
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#62
4-Bromofluorobenzene
Concen: 53.561 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

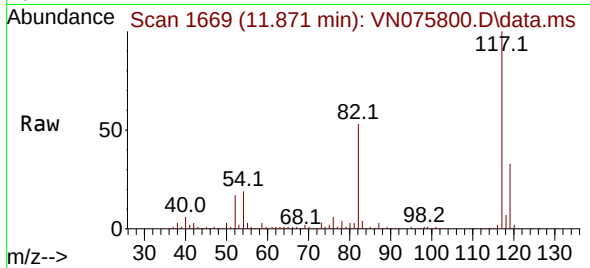
Tgt Ion: 95 Resp: 236185
Ion Ratio Lower Upper
95 100
174 84.1 0.0 171.6
176 80.8 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

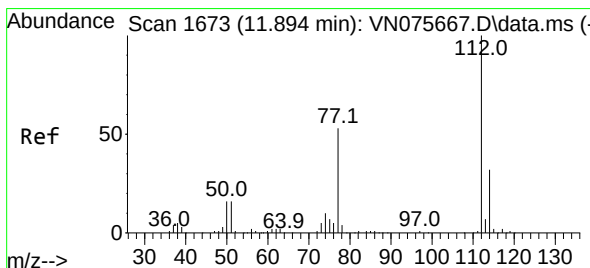
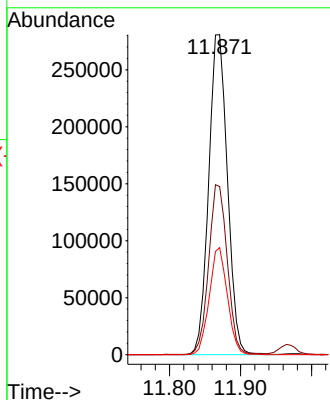
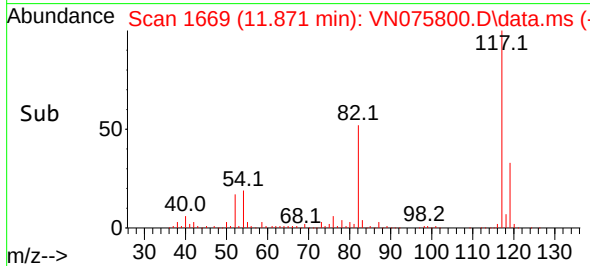
Instrument :
MSVOA_N
ClientSampleId :
MW-43



Tgt Ion:117 Resp: 514629
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 33.5 24.6 37.0

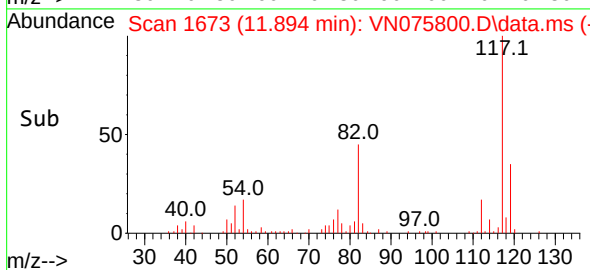
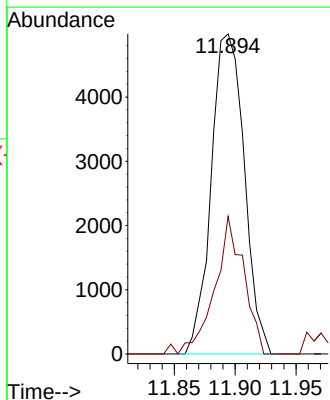
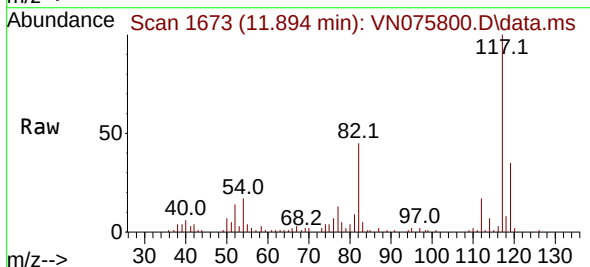
Manual Integrations
APPROVED

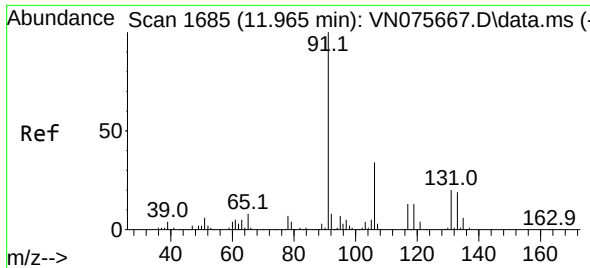
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#65
Chlorobenzene
Concen: 0.892 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

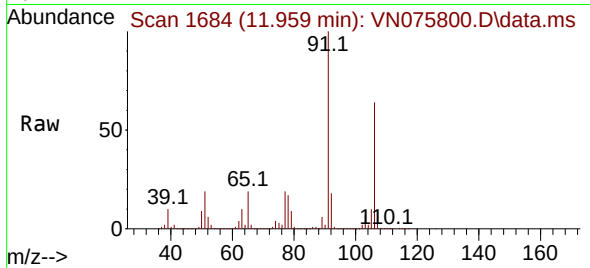
Tgt Ion:112 Resp: 9422
Ion Ratio Lower Upper
112 100
114 43.0 24.7 37.1#





#67
Ethyl Benzene
Concen: 1227.582 ug/l m
RT: 11.959 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

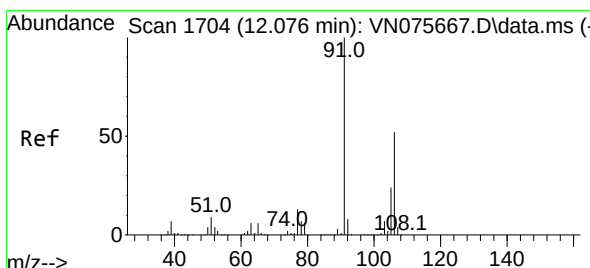
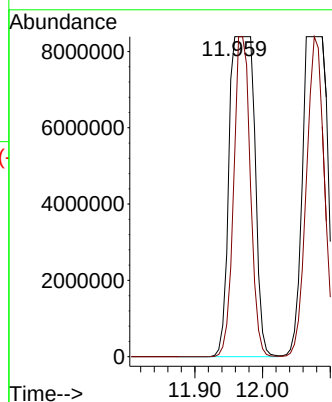
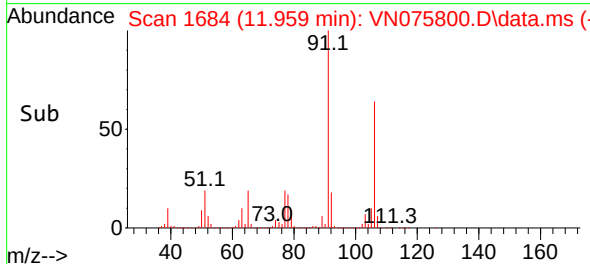
Instrument :
MSVOA_N
ClientSampleId :
MW-43



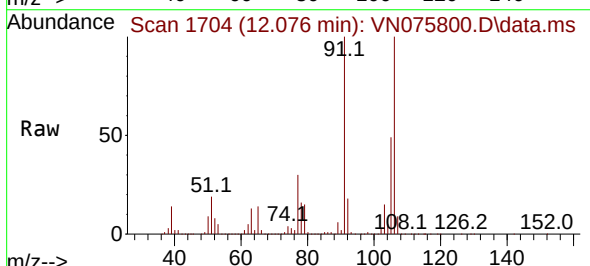
Tgt Ion: 91 Resp:2188422
Ion Ratio Lower Upper
91 100
106 63.7 25.7 38.5

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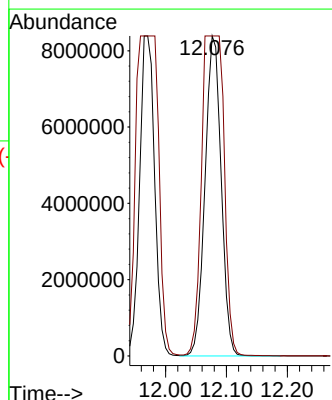
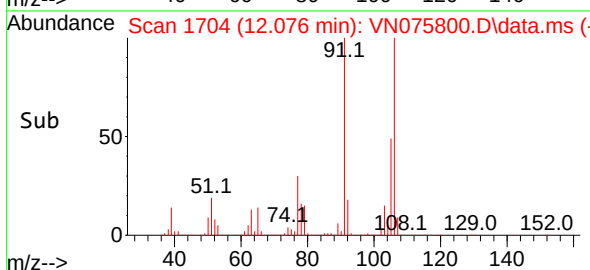
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

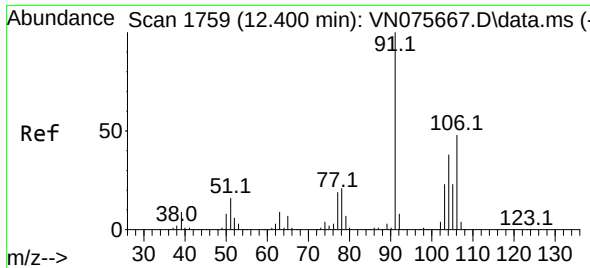


#68
m/p-Xylenes
Concen: 2180.154 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15



Tgt Ion:106 Resp:15383020
Ion Ratio Lower Upper
106 100
91 0.0 156.6 235.0#





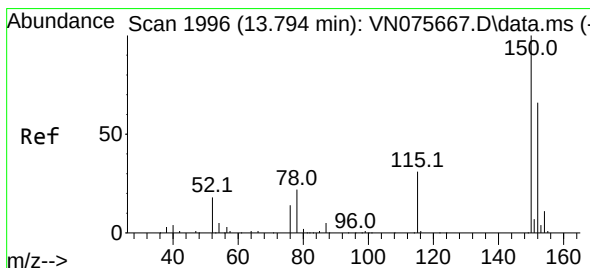
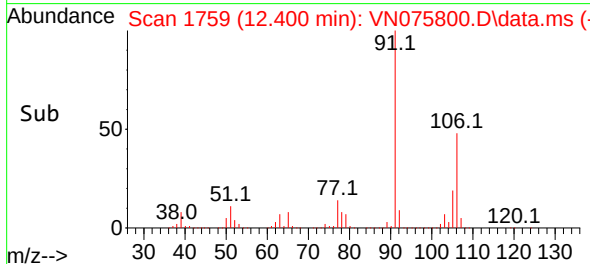
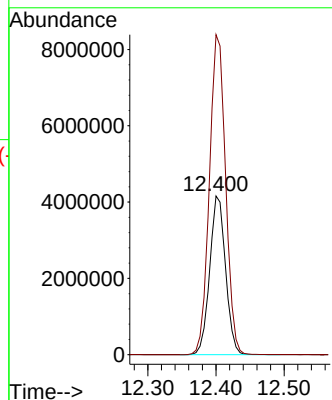
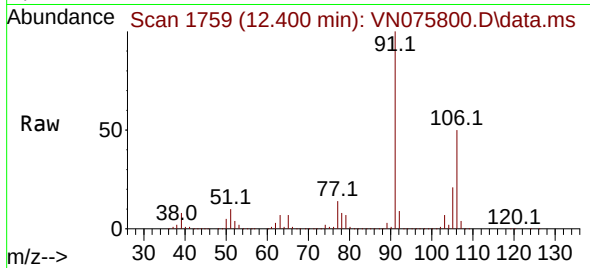
#69
o-Xylene
Concen: 962.658 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Instrument :
MSVOA_N
ClientSampleId :
MW-43

Tgt Ion:106 Resp: 6721859
Ion Ratio Lower Upper
106 100
91 206.6 103.8 311.6

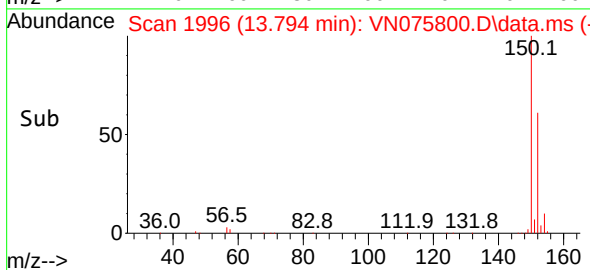
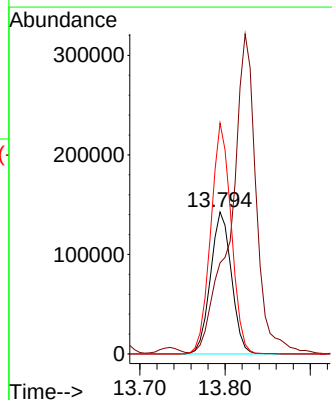
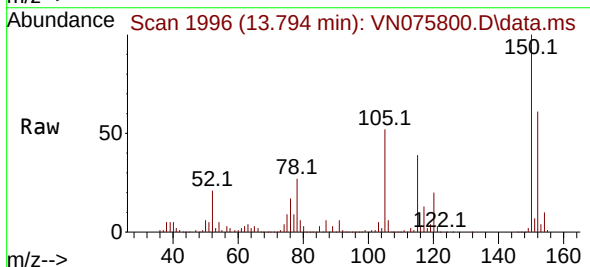
Manual Integrations
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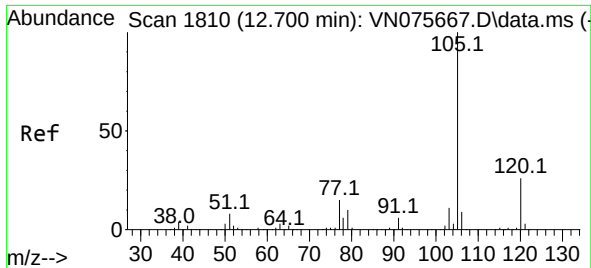
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

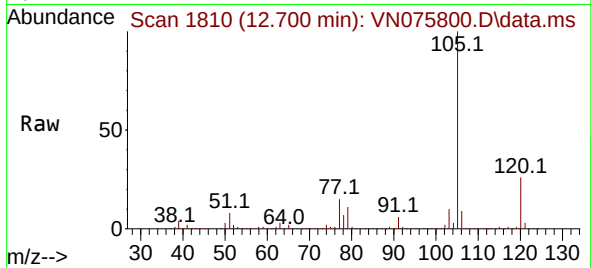
Tgt Ion:152 Resp: 243134
Ion Ratio Lower Upper
152 100
115 0.0 29.1 87.4#
150 159.0 0.0 347.0





#73
Isopropylbenzene
Concen: 118.639 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

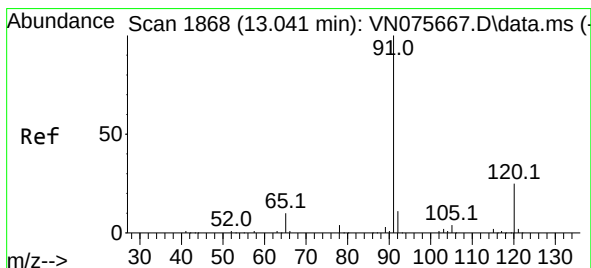
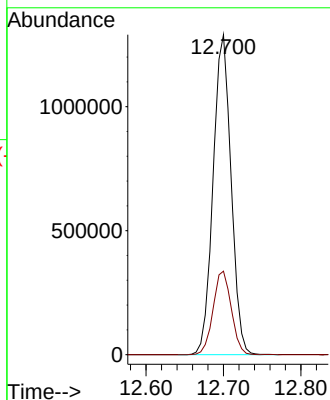
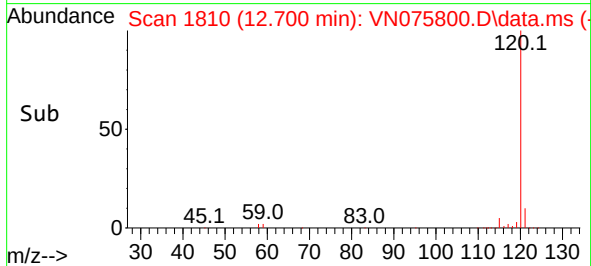
Instrument :
MSVOA_N
ClientSampleId :
MW-43



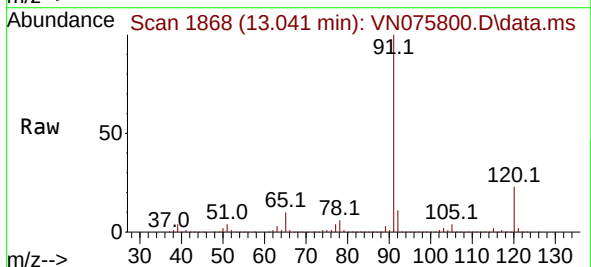
Tgt Ion:105 Resp: 2084480
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2

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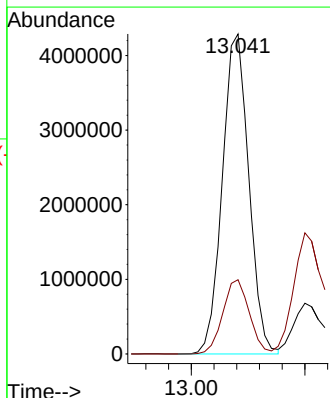
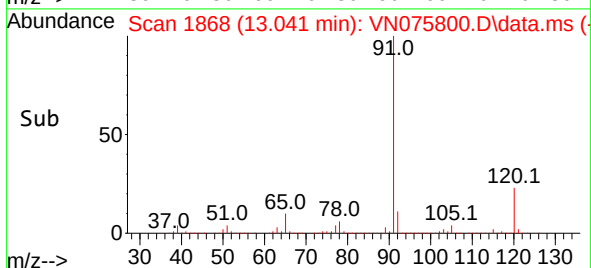
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

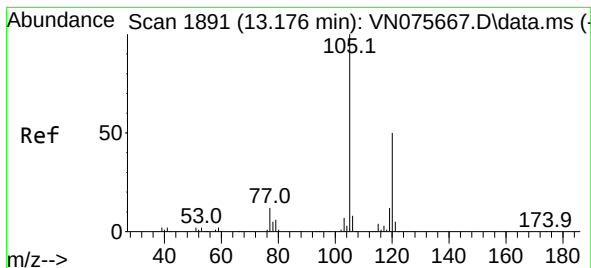


#78
n-propylbenzene
Concen: 358.242 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15



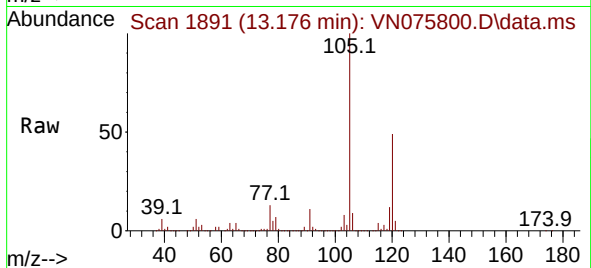
Tgt Ion: 91 Resp: 6942252
Ion Ratio Lower Upper
91 100
120 23.3 12.0 36.1





#80
1,3,5-Trimethylbenzene
Concen: 362.718 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

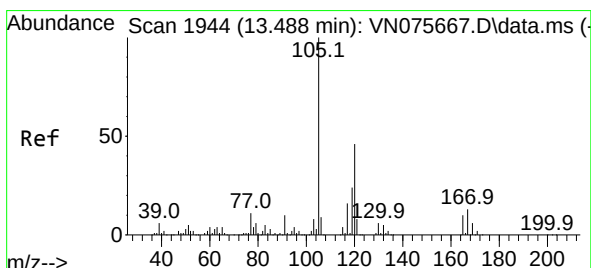
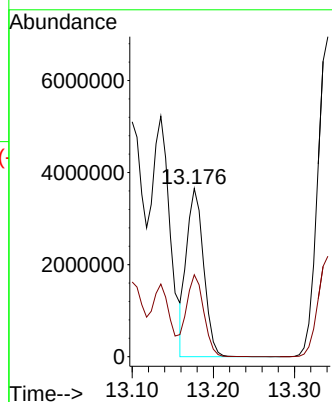
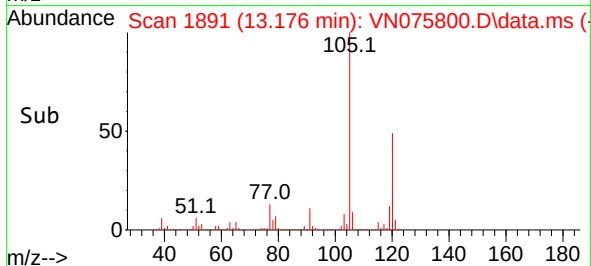
Instrument :
MSVOA_N
ClientSampleId :
MW-43



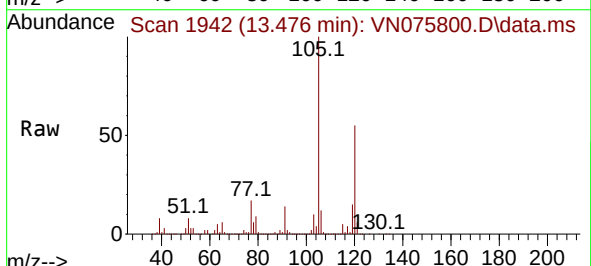
Tgt Ion:105 Resp: 533381
Ion Ratio Lower Upper
105 100
120 51.7 24.7 74.1

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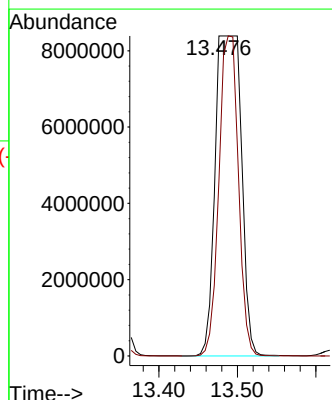
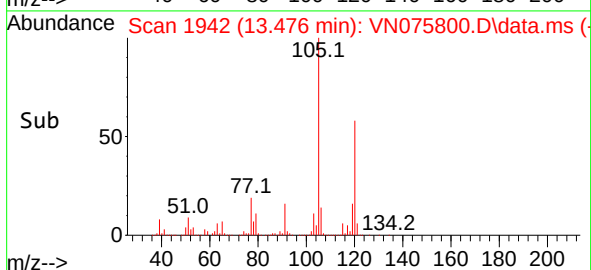
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

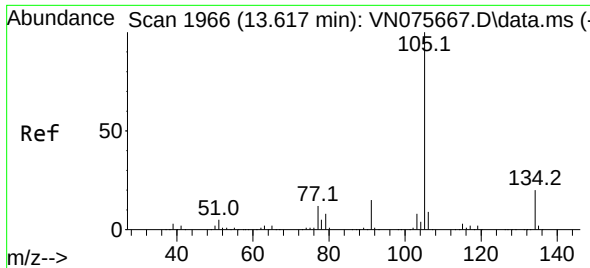


#84
1,2,4-Trimethylbenzene
Concen: 1339.915 ug/l m
RT: 13.476 min Scan# 1942
Delta R.T. -0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15



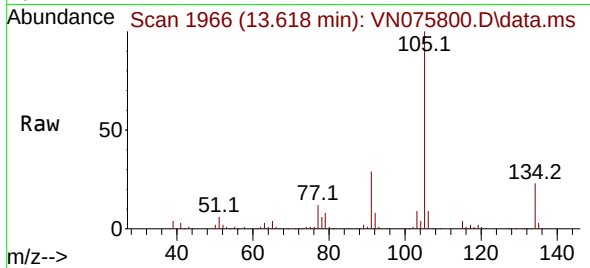
Tgt Ion:105 Resp:19546766
Ion Ratio Lower Upper
105 100
120 17.4 23.3 69.8#





#85
 sec-Butylbenzene
 Concen: 14.165 ug/l m
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075800.D
 Acq: 15 Dec 2022 05:15

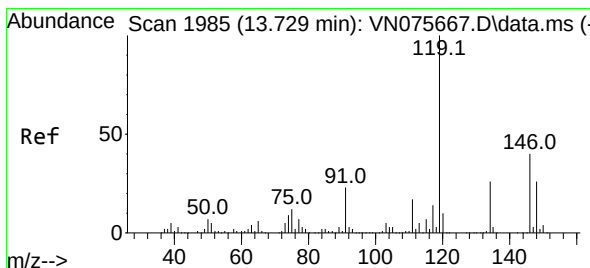
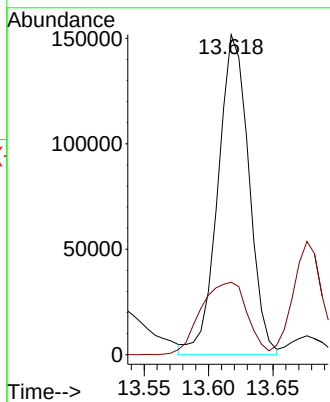
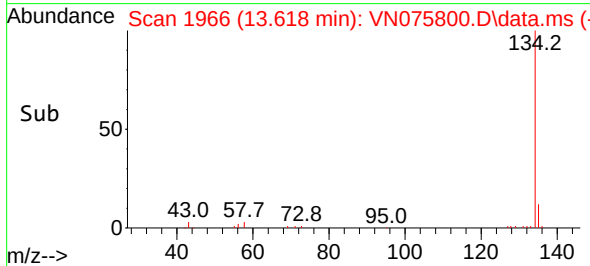
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-43



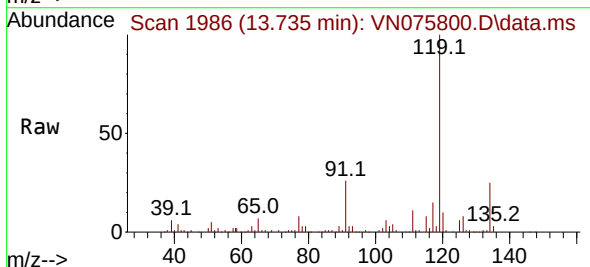
Tgt Ion:105 Resp: 253492
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1

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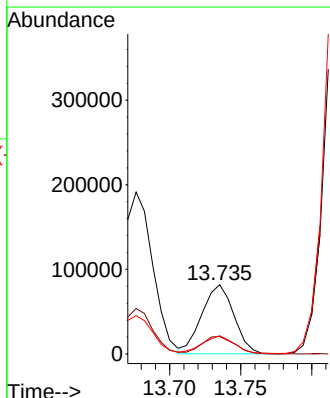
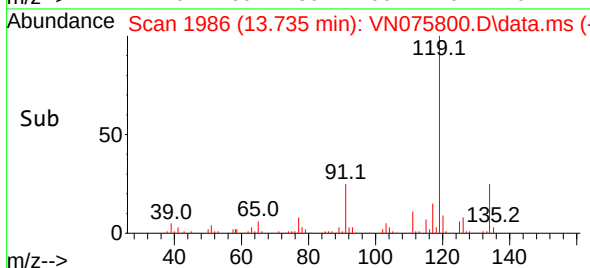
Reviewed By :John Carlone 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

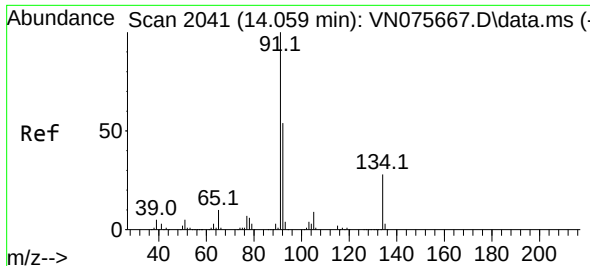


#86
 p-Isopropyltoluene
 Concen: 8.614 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN075800.D
 Acq: 15 Dec 2022 05:15



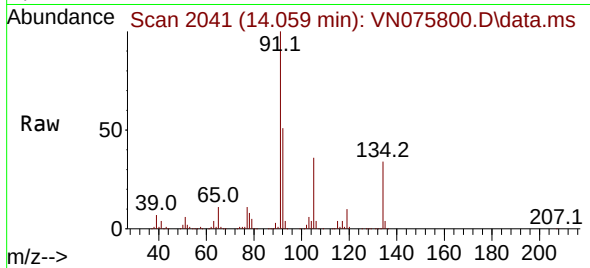
Tgt Ion:119 Resp: 128271
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 0.0 11.2 33.6





#89
n-Butylbenzene
Concen: 20.455 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

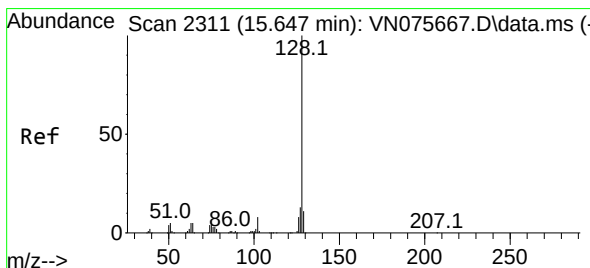
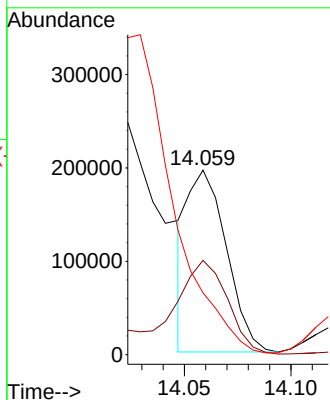
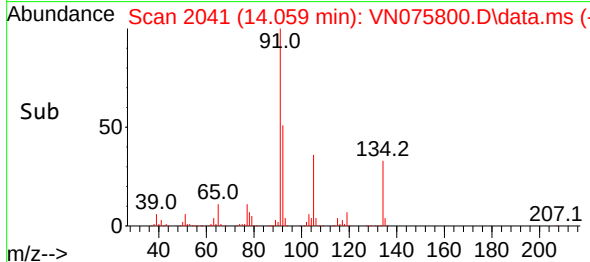
Instrument :
MSVOA_N
ClientSampleId :
MW-43



Tgt Ion: 91 Resp: 24675
Ion Ratio Lower Upper
91 100
92 68.0 26.4 79.2
134 0.0 13.4 40.2

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



#95
Naphthalene
Concen: 928.796 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075800.D
Acq: 15 Dec 2022 05:15

Tgt Ion:128 Resp:12819480
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.3 8.7 13.1

