

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN073998.D
 Acq On : 18 Aug 2022 12:32
 Operator : JC\MD
 Sample : N4204-25 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/19/2022
 Supervised By : Mahesh Dadoda 08/22/2022

Quant Time: Aug 18 21:48:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	686246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	996472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	963984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	547189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	324838	48.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.200%		
35) Dibromofluoromethane	7.951	113	315218	53.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.980%		
50) Toluene-d8	10.381	98	1070337	46.897	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.800%		
62) 4-Bromofluorobenzene	12.669	95	469454	61.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	123.960%#		
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1580	0.261	ug/l	92
11) Tert butyl alcohol	5.293	59	108821	72.785	ug/l	99
16) Acetone	4.210	43	49416m	15.671	ug/l	
19) Methyl tert-butyl Ether	5.534	73	67476	3.459	ug/l #	1
25) 2-Butanone	7.269	43	10937	2.187	ug/l #	82
39) Methylcyclohexane	9.392	83	27509	2.682	ug/l	92
40) Benzene	8.392	78	959687	37.148	ug/l	100
52) Toluene	10.445	92	151701	8.564	ug/l	96
67) Ethyl Benzene	11.786	91	1734212	50.900	ug/l	98
68) m/p-Xylenes	11.892	106	233131	16.841	ug/l	98
69) o-Xylene	12.216	106	7600	0.547	ug/l	87
73) Isopropylbenzene	12.522	105	820536	20.593	ug/l	99
78) n-propylbenzene	12.863	91	1037716	24.433	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	41864	1.292	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	18825	0.582	ug/l	76
85) sec-Butylbenzene	13.439	105	40671	1.052	ug/l #	51
89) n-Butylbenzene	13.880	91	38760	1.486	ug/l #	69
95) Naphthalene	15.433	128	173548	4.529	ug/l #	94

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

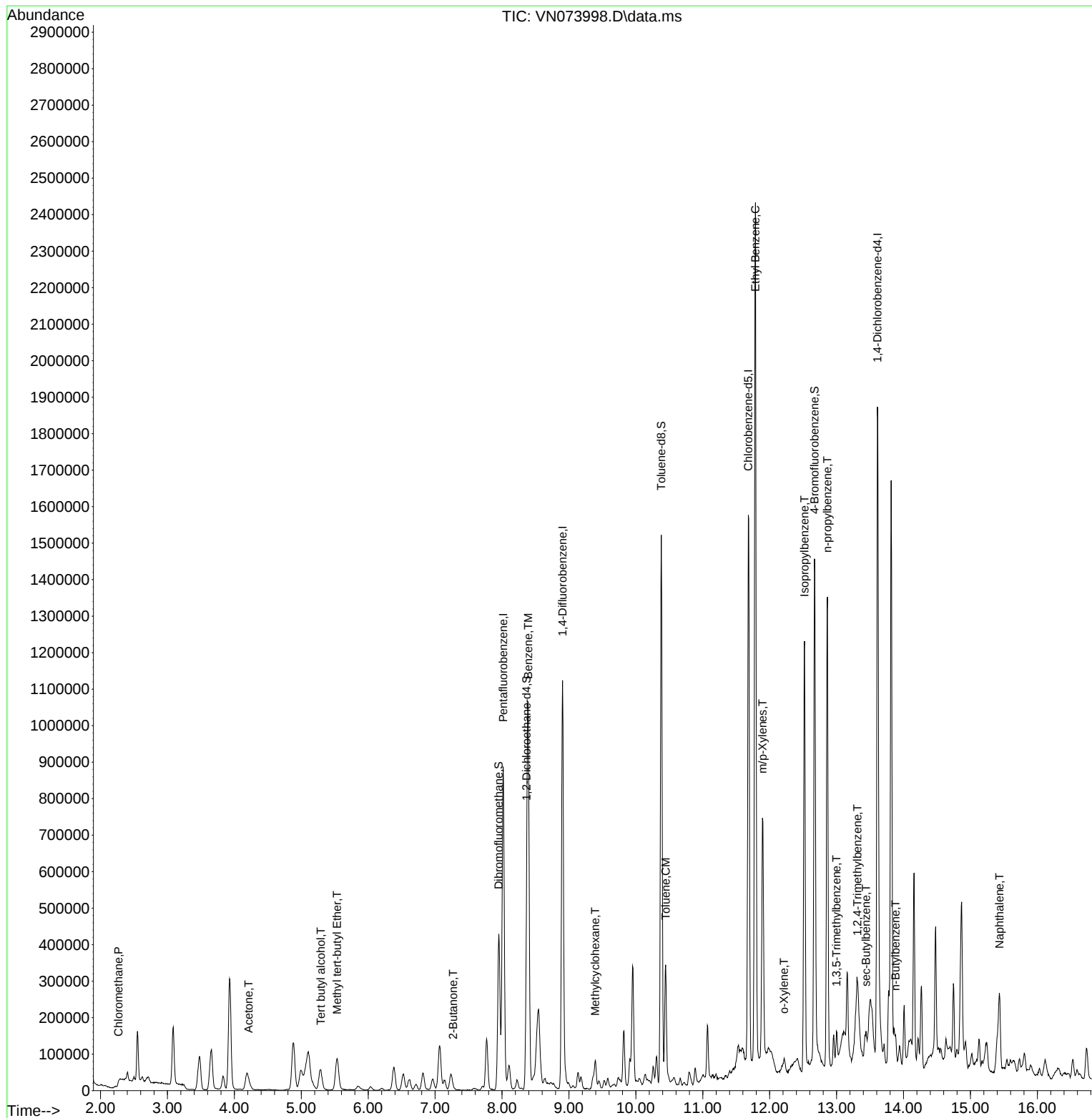
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
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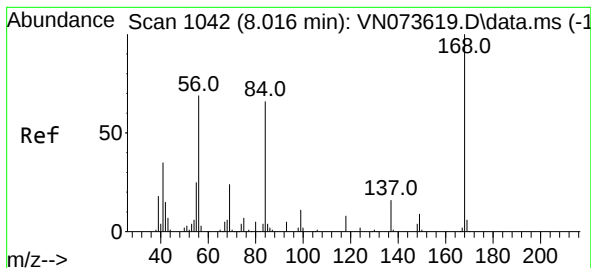
Instrument :
MSVOA_N
ClientSampleId :
MW-5

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN073998.D

Acq: 18 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

MW-5

Tgt Ion:168 Resp: 686240

Ion Ratio Lower Upper

168 100

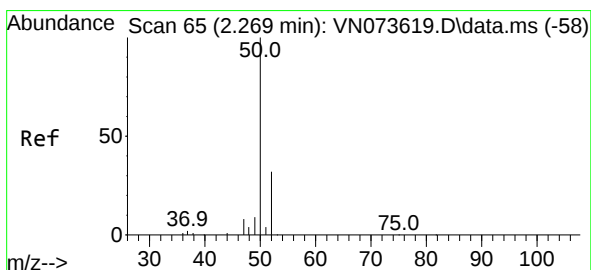
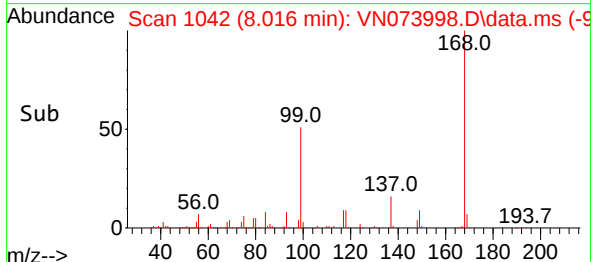
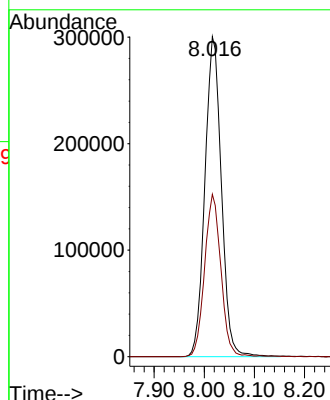
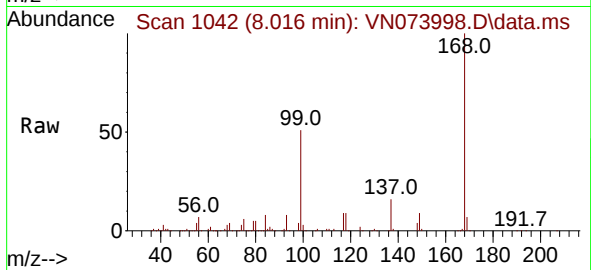
99 50.8 42.3 63.5

Manual Integrations

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#3

Chloromethane

Concen: 0.261 ug/l

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN073998.D

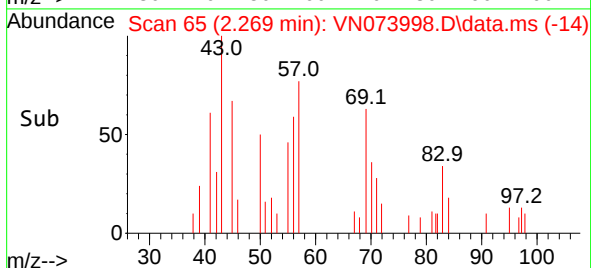
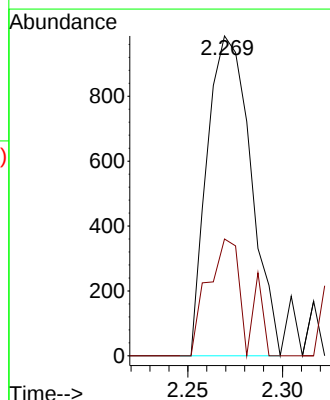
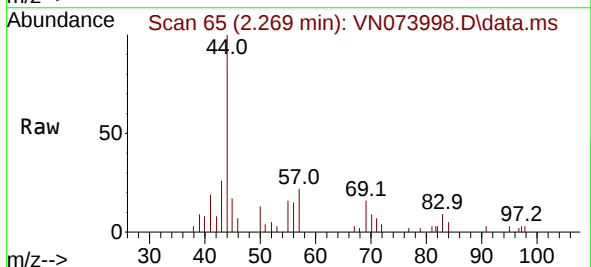
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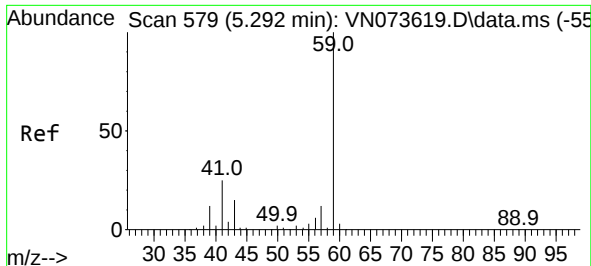
Tgt Ion: 50 Resp: 1580

Ion Ratio Lower Upper

50 100

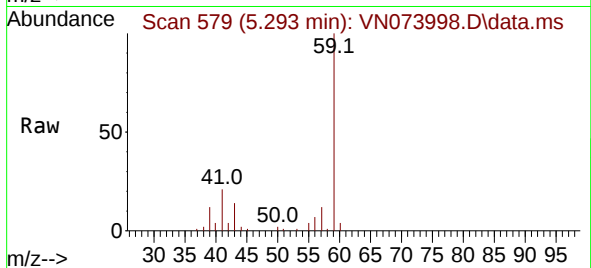
52 36.5 25.7 38.5





#11
Tert butyl alcohol
Concen: 72.785 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.001 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

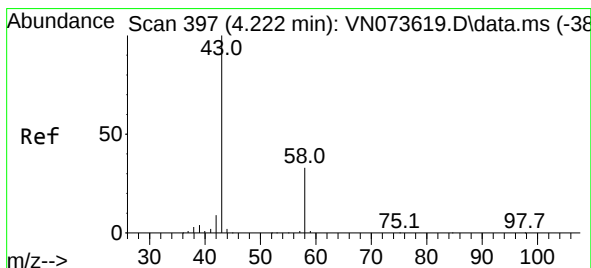
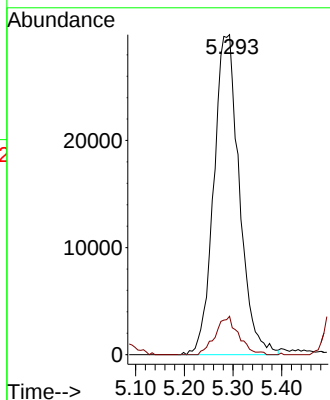
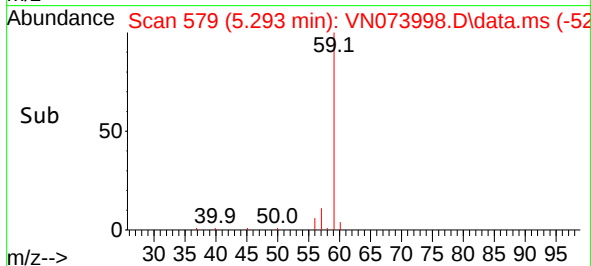
Instrument :
MSVOA_N
ClientSampleId :
MW-5



Tgt Ion: 59 Resp: 10882
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

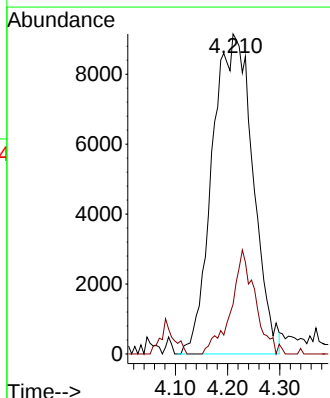
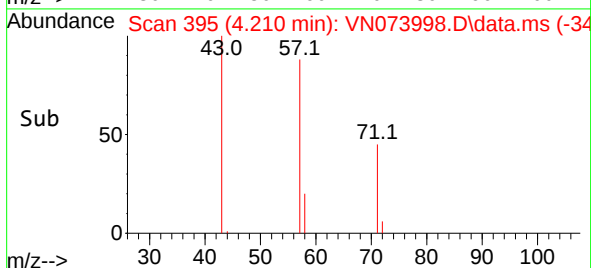
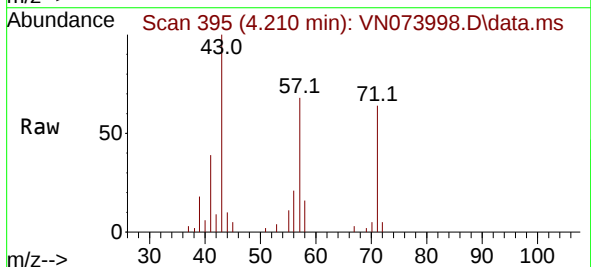
Manual Integrations
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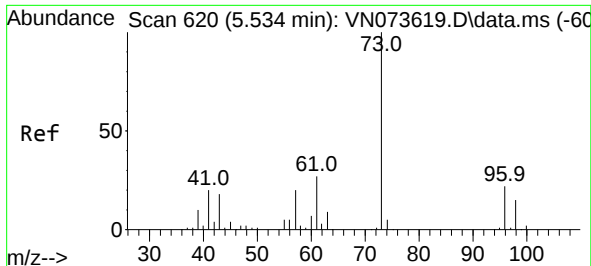
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#16
Acetone
Concen: 15.671 ug/l m
RT: 4.210 min Scan# 395
Delta R.T. -0.012 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

Tgt Ion: 43 Resp: 49416
Ion Ratio Lower Upper
43 100
58 15.6 26.0 39.0#





#19

Methyl tert-butyl Ether

Concen: 3.459 ug/l

RT: 5.534 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN073998.D

Acq: 18 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

MW-5

Tgt Ion: 73 Resp: 67470

Ion Ratio Lower Upper

73 100

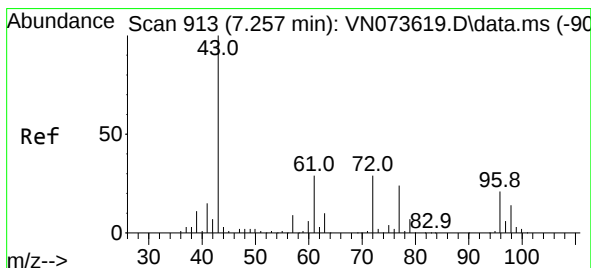
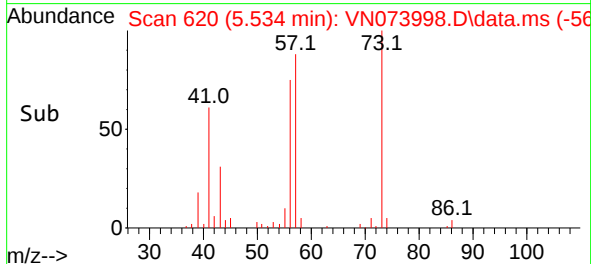
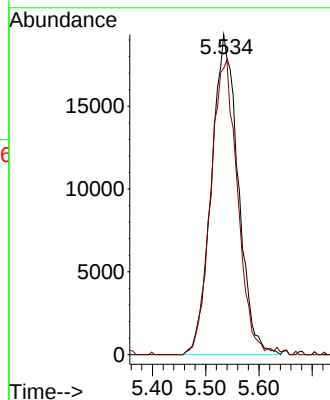
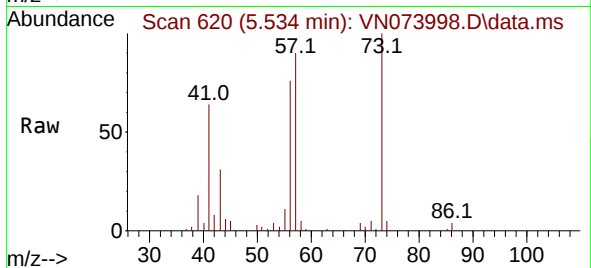
57 89.5 17.6 26.4

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#25

2-Butanone

Concen: 2.187 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN073998.D

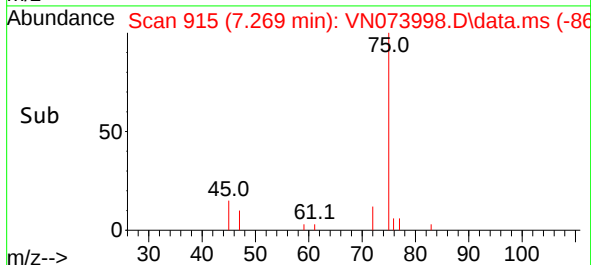
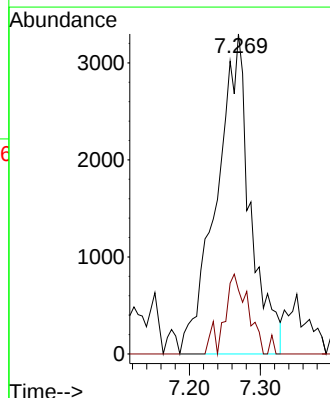
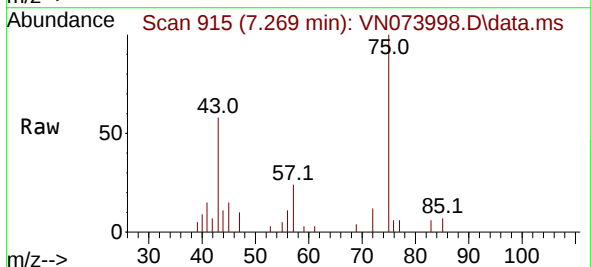
Acq: 18 Aug 2022 12:32

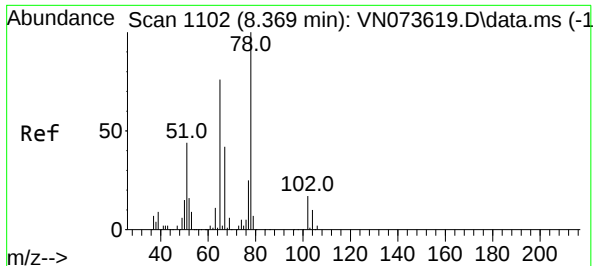
Tgt Ion: 43 Resp: 10937

Ion Ratio Lower Upper

43 100

72 20.0 23.7 35.5





#33

1,2-Dichloroethane-d4

Concen: 48.599 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073998.D

Acq: 18 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

MW-5

Tgt Ion: 65 Resp: 324838

Ion Ratio Lower Upper

65 100

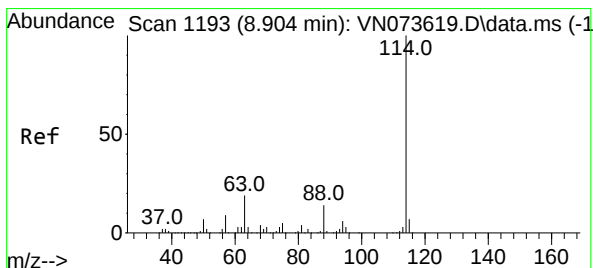
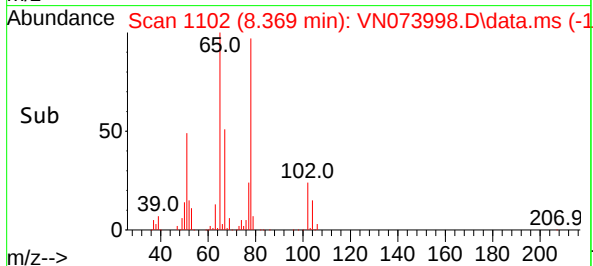
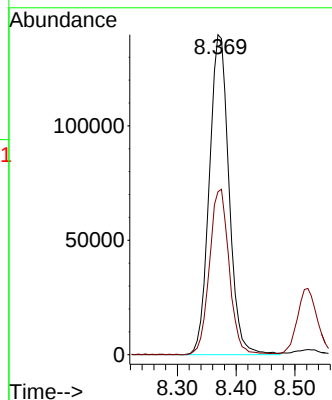
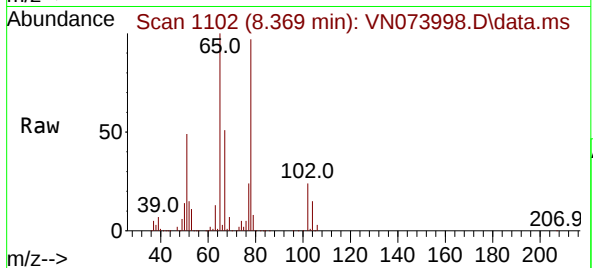
67 51.9 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073998.D

Acq: 18 Aug 2022 12:32

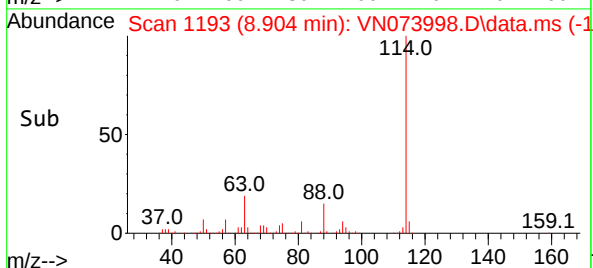
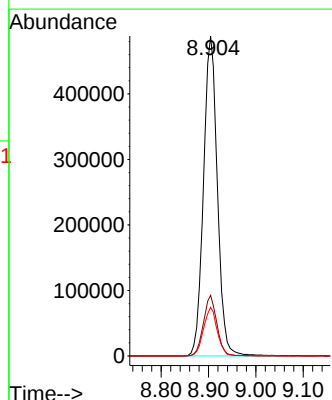
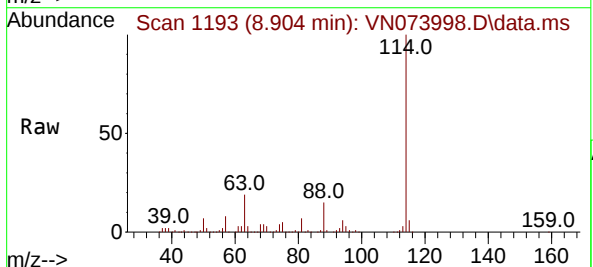
Tgt Ion:114 Resp: 996472

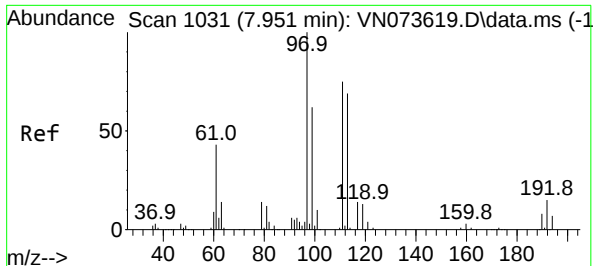
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.490 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073998.D

Acq: 18 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

MW-5

Tgt Ion:113 Resp: 315218

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

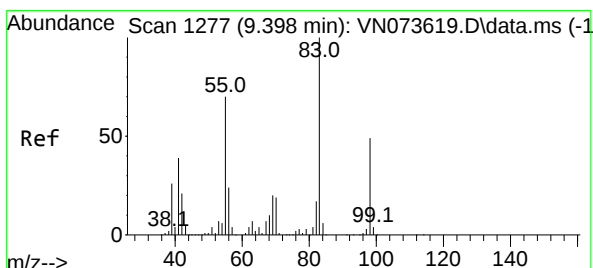
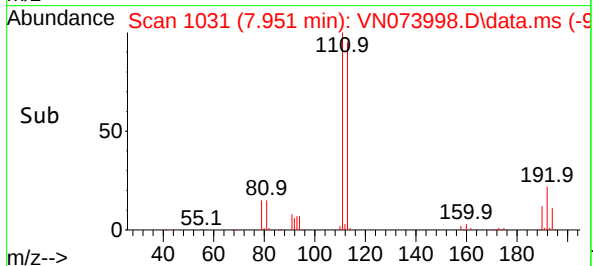
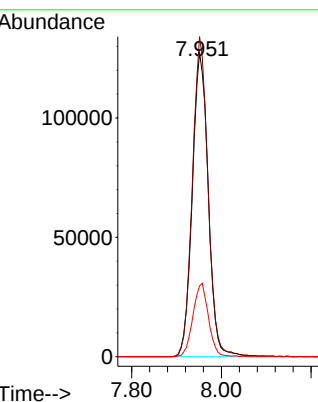
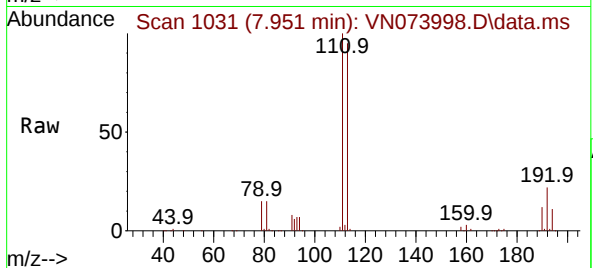
192 23.4 17.0 25.6

Manual Integrations

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#39

Methylcyclohexane

Concen: 2.682 ug/l

RT: 9.392 min Scan# 1276

Delta R.T. -0.006 min

Lab File: VN073998.D

Acq: 18 Aug 2022 12:32

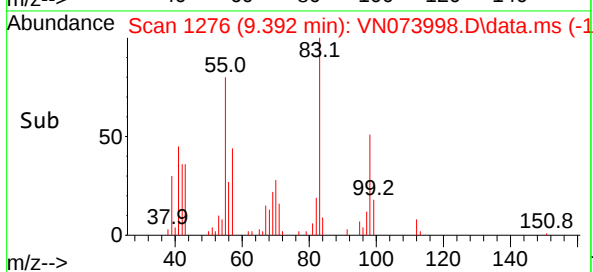
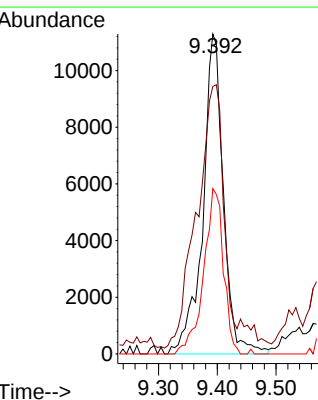
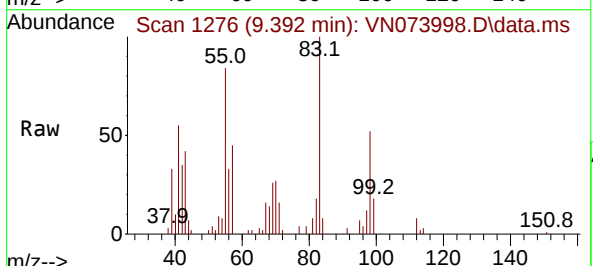
Tgt Ion: 83 Resp: 27509

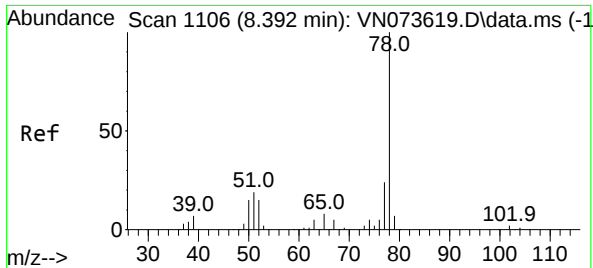
Ion Ratio Lower Upper

83 100

55 81.0 57.8 86.8

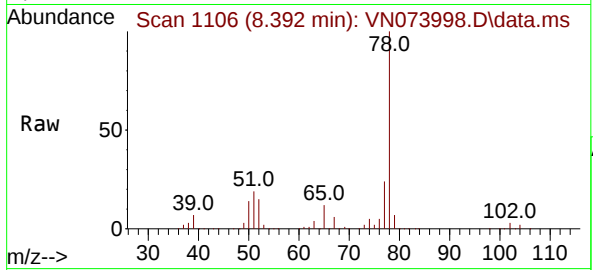
98 51.6 39.4 59.2





#40
Benzene
Concen: 37.148 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

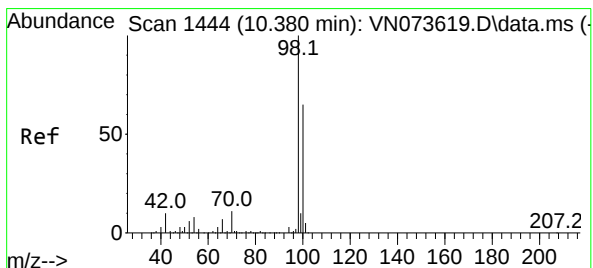
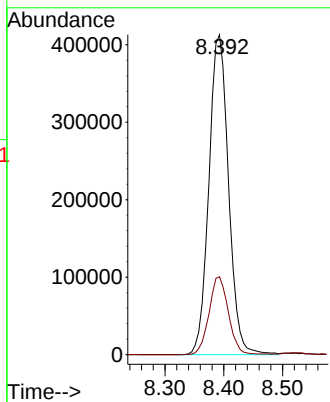
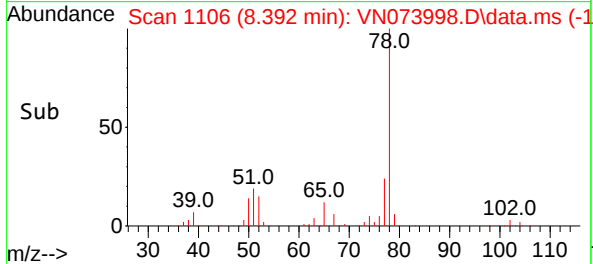
Instrument :
MSVOA_N
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MW-5



Tgt Ion: 78 Resp: 95968
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0

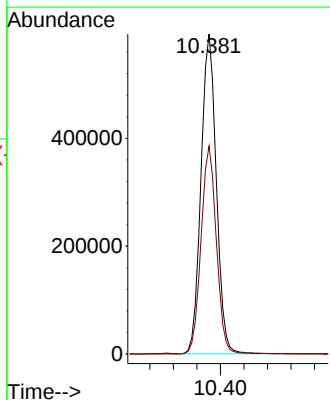
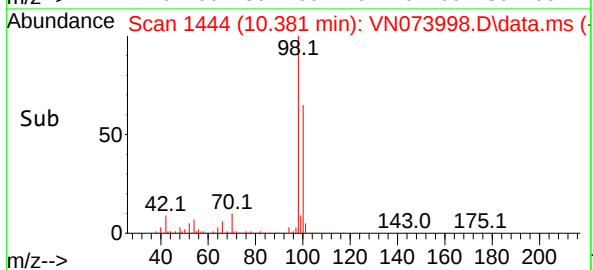
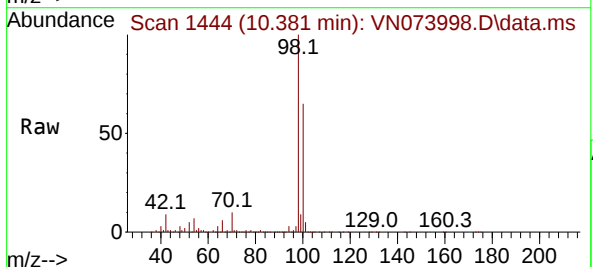
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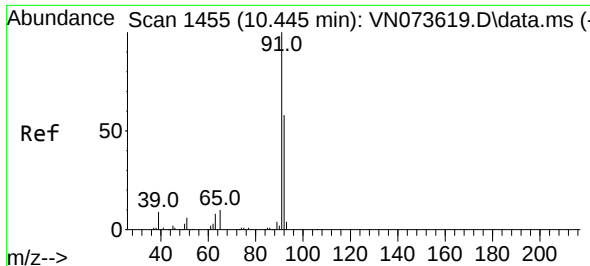
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#50
Toluene-d8
Concen: 46.897 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

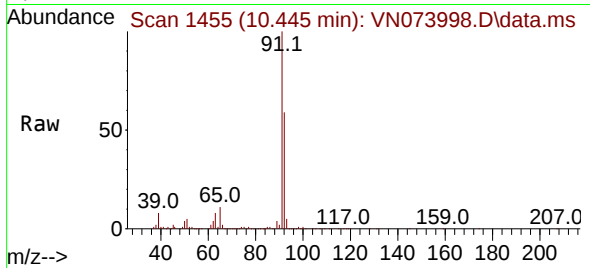
Tgt Ion: 98 Resp: 1070337
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8





#52
Toluene
Concen: 8.564 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

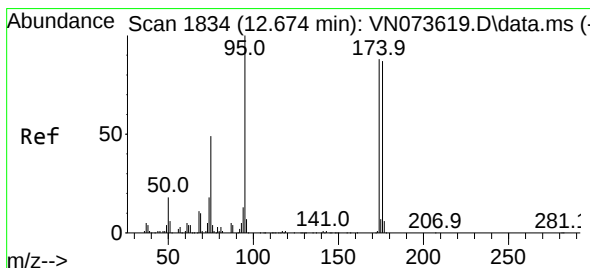
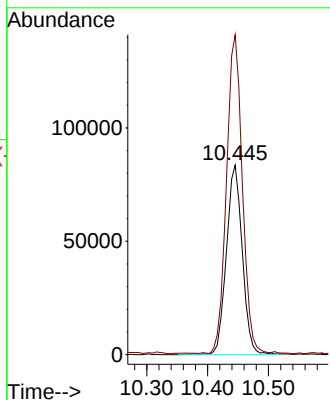
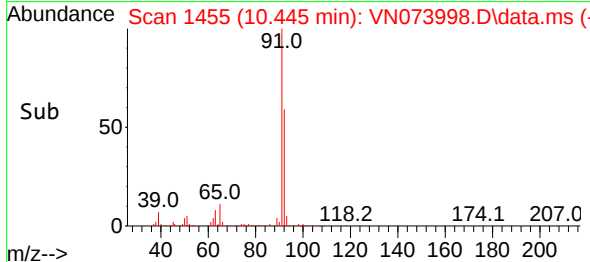
Instrument :
MSVOA_N
ClientSampleId :
MW-5



Tgt Ion: 92 Resp: 15170
Ion Ratio Lower Upper
92 100
91 167.2 138.6 207.8

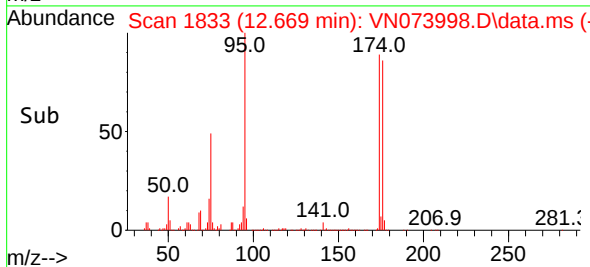
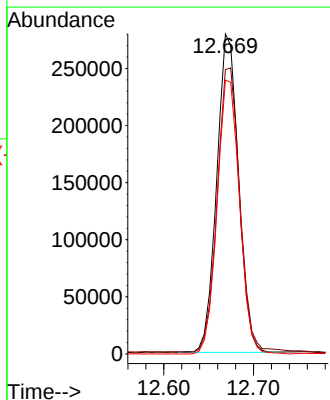
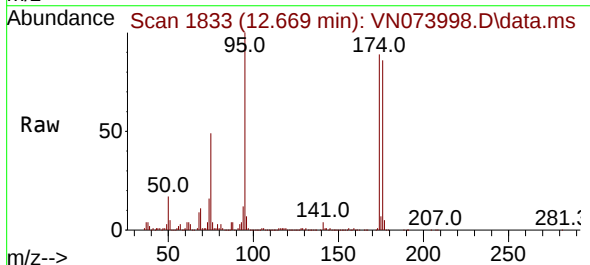
Manual Integrations
APPROVED

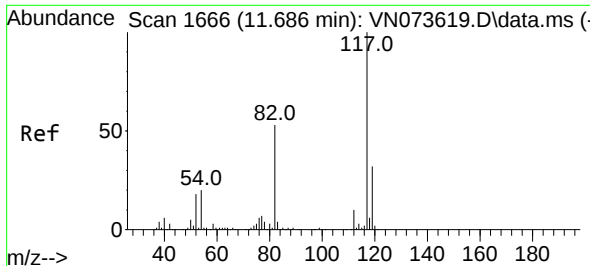
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#62
4-Bromofluorobenzene
Concen: 61.977 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

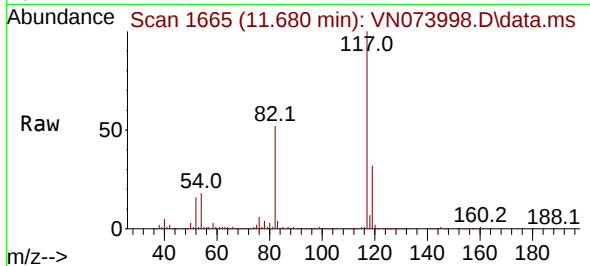
Tgt Ion: 95 Resp: 469454
Ion Ratio Lower Upper
95 100
174 95.3 0.0 167.6
176 88.6 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

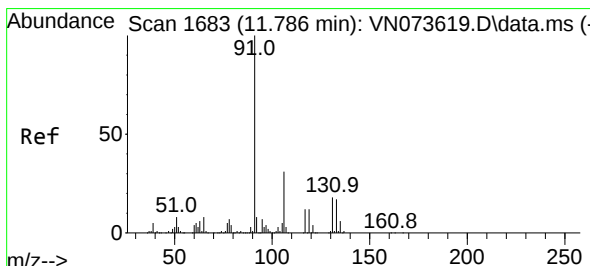
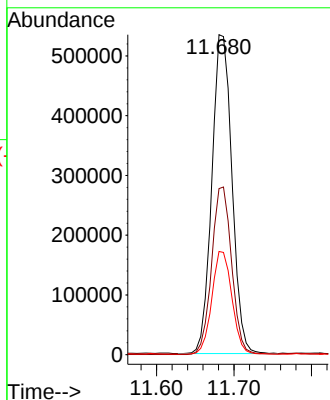
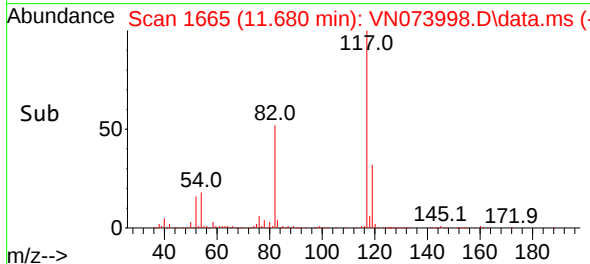
Instrument :
MSVOA_N
ClientSampleId :
MW-5



Tgt Ion: 117 Resp: 963984
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 32.1 25.4 38.0

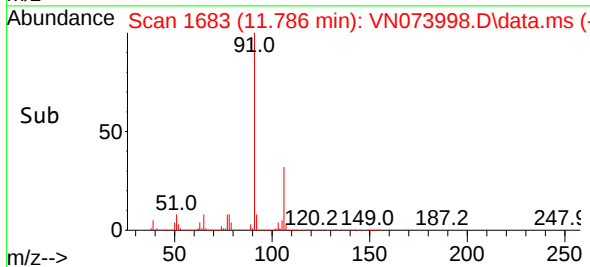
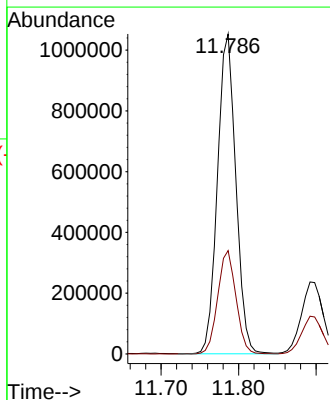
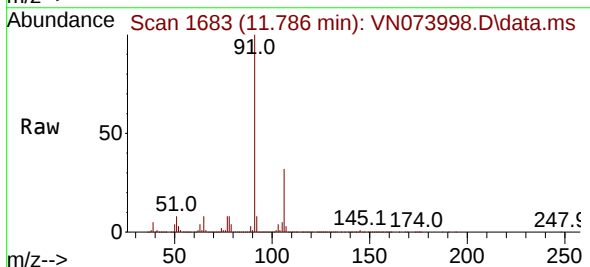
Manual Integrations
APPROVED

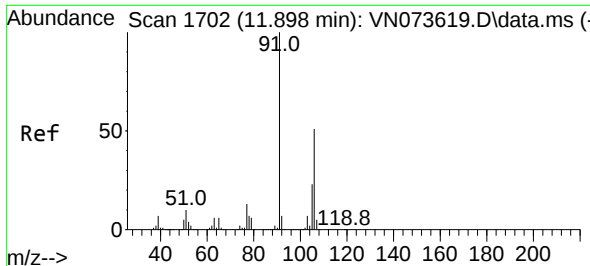
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#67
Ethyl Benzene
Concen: 50.900 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

Tgt Ion: 91 Resp: 1734212
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3





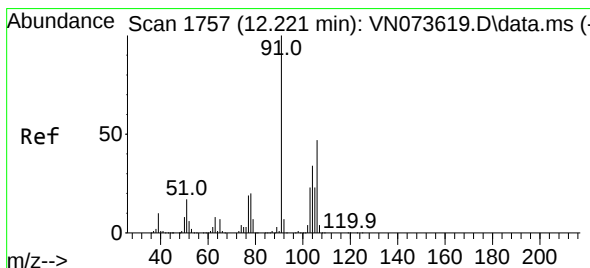
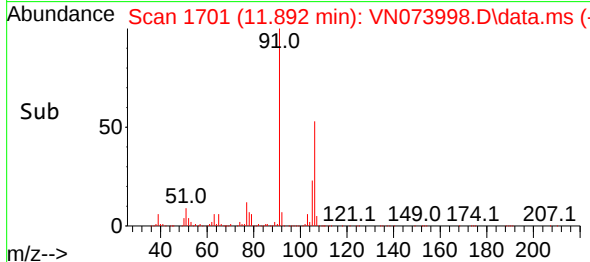
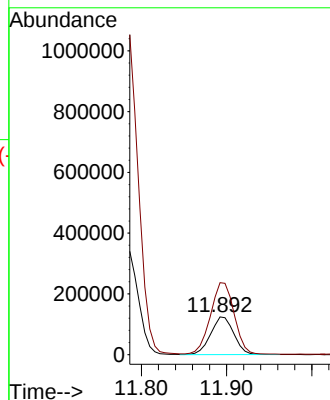
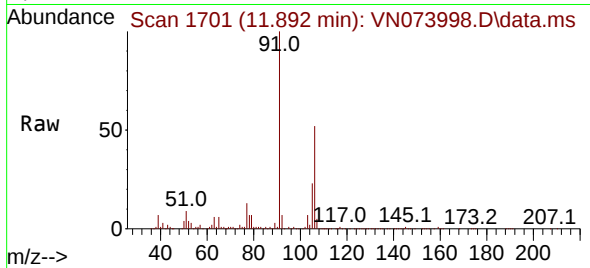
#68
m/p-Xylenes
Concen: 16.841 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tgt Ion:106 Resp: 23313
Ion Ratio Lower Upper
106 100
91 195.4 158.9 238.3

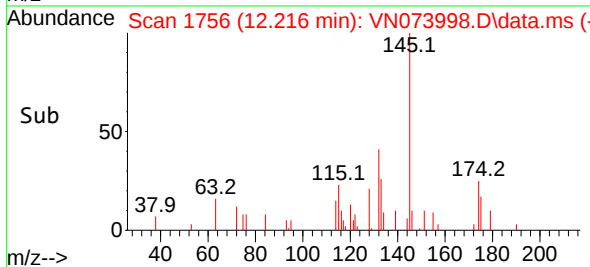
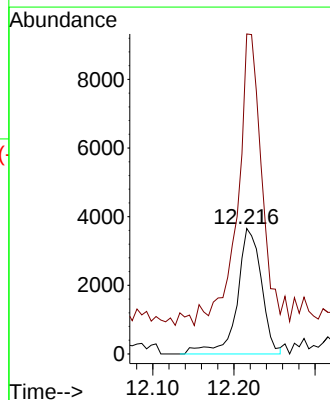
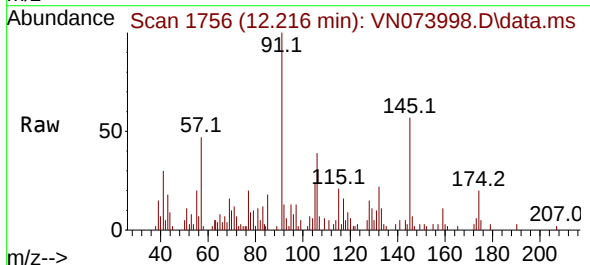
Manual Integrations
APPROVED

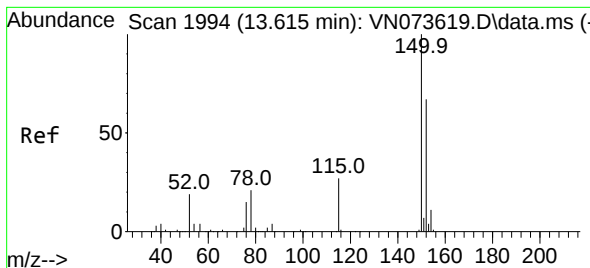
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#69
o-Xylene
Concen: 0.547 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.005 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

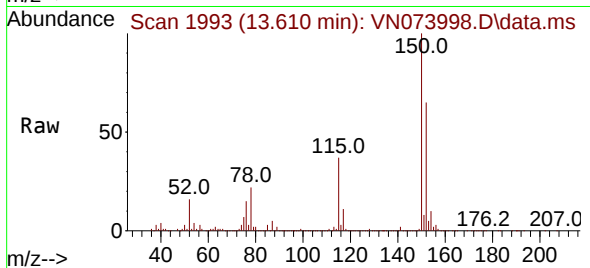
Tgt Ion:106 Resp: 7600
Ion Ratio Lower Upper
106 100
91 233.2 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1994
Delta R.T. -0.005 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

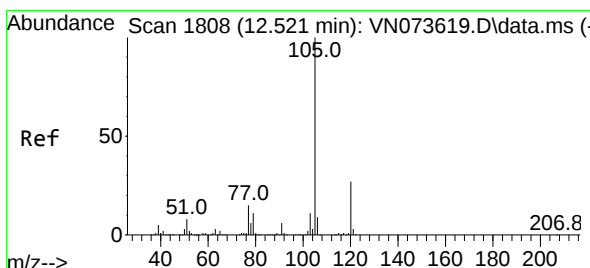
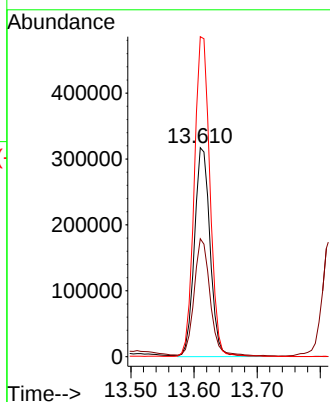
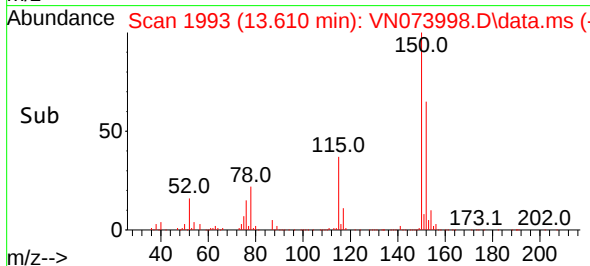
Instrument :
MSVOA_N
ClientSampleId :
MW-5



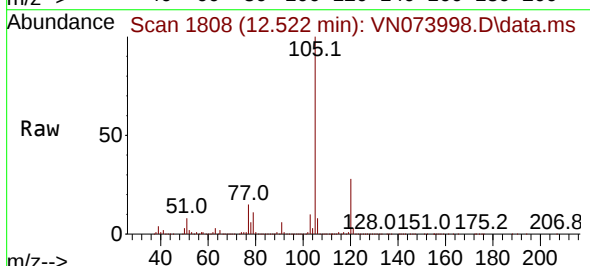
Tgt Ion:152 Resp: 547189
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 152.3 0.0 356.2

Manual Integrations
APPROVED

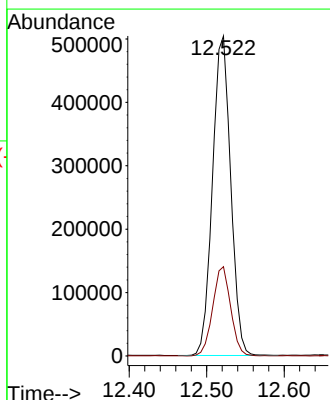
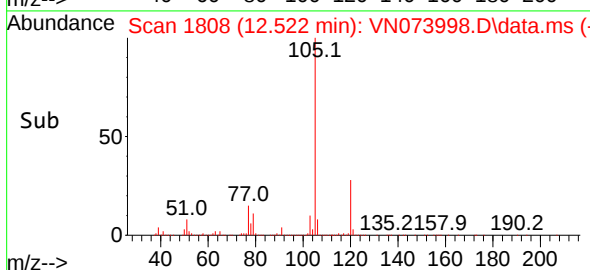
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022

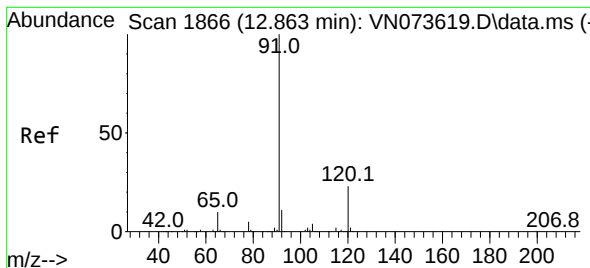


#73
Isopropylbenzene
Concen: 20.593 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32



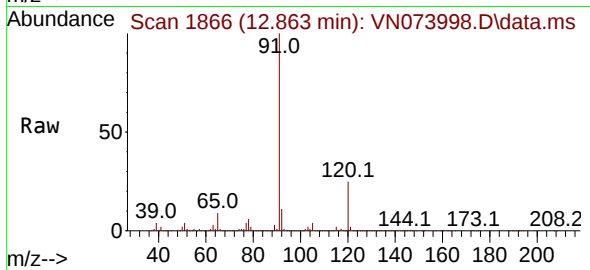
Tgt Ion:105 Resp: 820536
Ion Ratio Lower Upper
105 100
120 27.7 13.5 40.4





#78
n-propylbenzene
Concen: 24.433 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

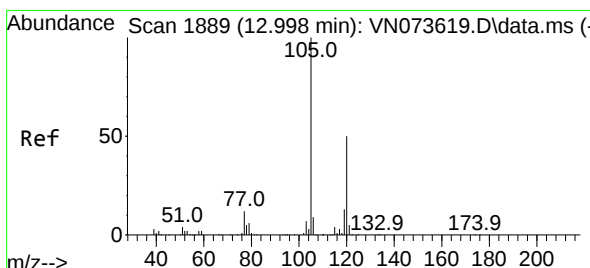
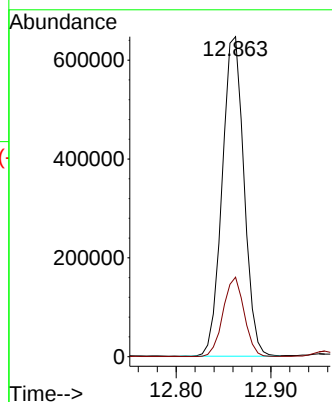
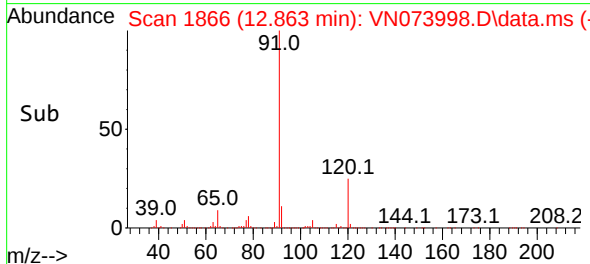
Instrument :
MSVOA_N
ClientSampleId :
MW-5



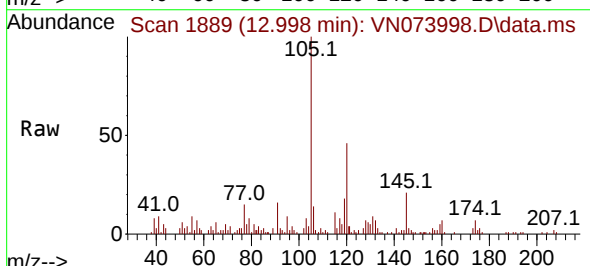
Tgt Ion: 91 Resp: 1037710
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5

Manual Integrations
APPROVED

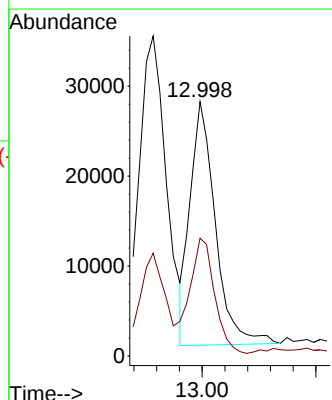
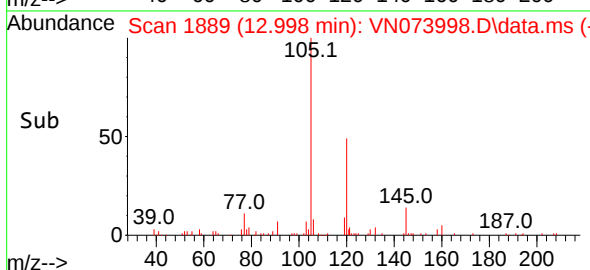
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022

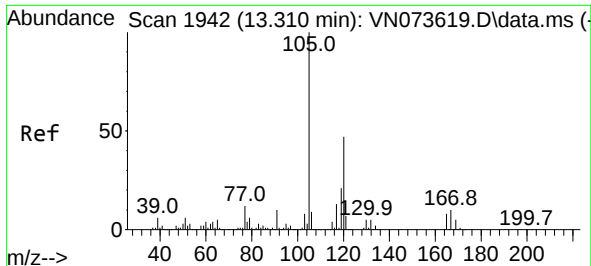


#80
1,3,5-Trimethylbenzene
Concen: 1.292 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32



Tgt Ion:105 Resp: 41864
Ion Ratio Lower Upper
105 100
120 47.6 24.9 74.7





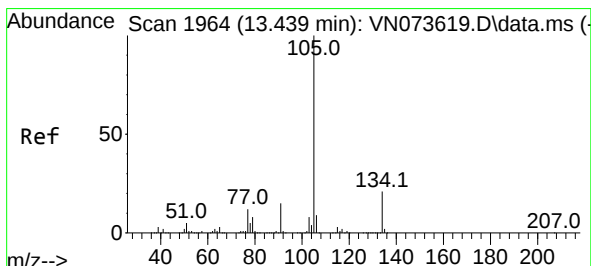
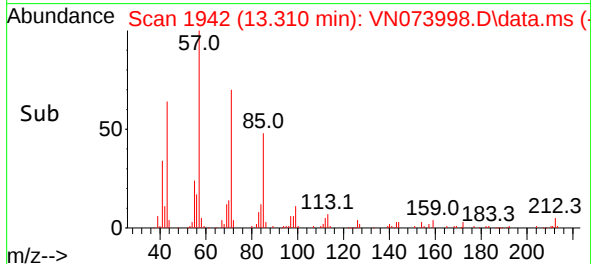
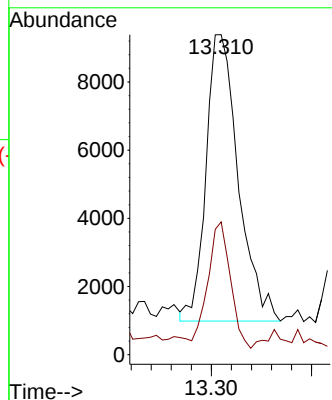
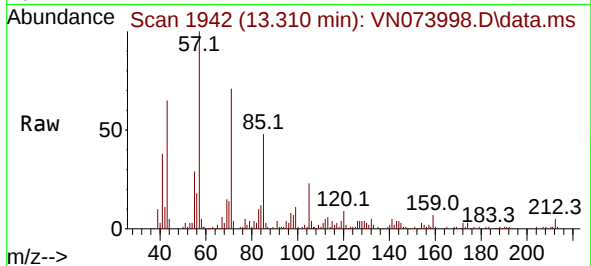
#84
1,2,4-Trimethylbenzene
Concen: 0.582 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tgt Ion:105 Resp: 1882
Ion Ratio Lower Upper
105 100
120 30.7 23.3 69.8

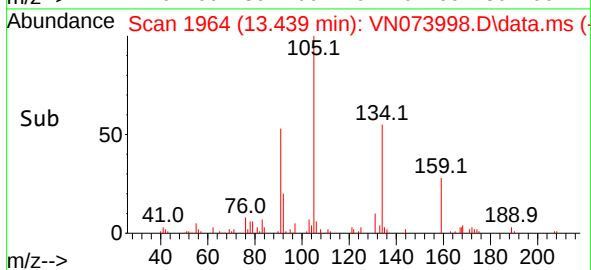
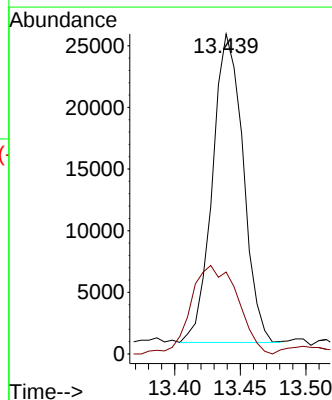
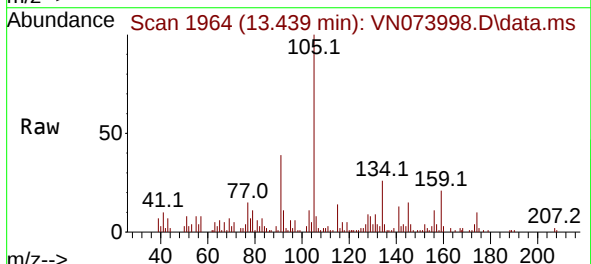
Manual Integrations
APPROVED

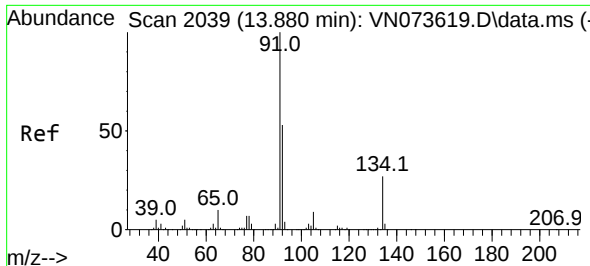
Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#85
sec-Butylbenzene
Concen: 1.052 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

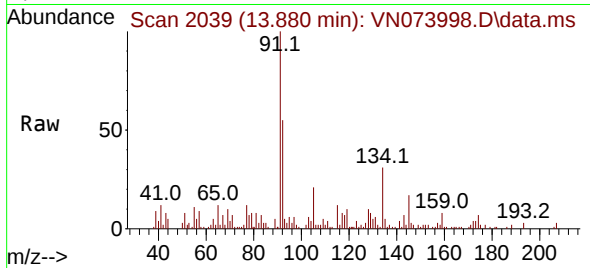
Tgt Ion:105 Resp: 40671
Ion Ratio Lower Upper
105 100
134 43.7 10.4 31.1#





#89
n-Butylbenzene
Concen: 1.486 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32

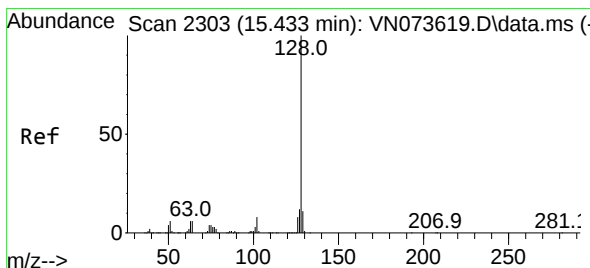
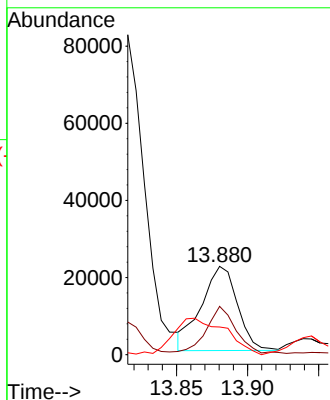
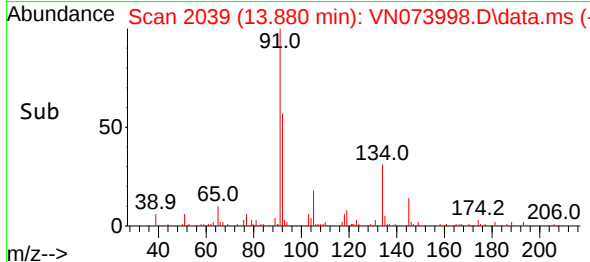
Instrument :
MSVOA_N
ClientSampleId :
MW-5



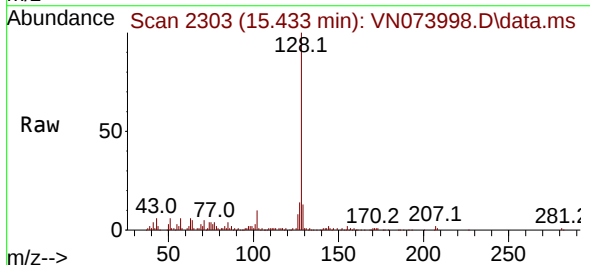
Tgt Ion: 91 Resp: 38760
Ion Ratio Lower Upper
91 100
92 45.4 26.9 80.7
134 62.7 13.6 40.8

Manual Integrations
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Reviewed By :John Carlone 08/19/2022
Supervised By :Mahesh Dadoda 08/22/2022



#95
Naphthalene
Concen: 4.529 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073998.D
Acq: 18 Aug 2022 12:32



Tgt Ion:128 Resp: 173548
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 14.4 8.6 13.0

