

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040222\
 Data File : VN071817.D
 Acq On : 02 Apr 2022 22:59
 Operator : JC\MD
 Sample : N2242-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/04/2022
 Supervised By : Mahesh Dadoda 04/05/2022

Quant Time: Apr 04 01:12:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	684939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1134675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1203915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	552799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	379991	48.596	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.200%		
35) Dibromofluoromethane	8.022	113	322085	48.239	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.480%		
50) Toluene-d8	10.440	98	1469195	53.790	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.580%		
62) 4-Bromofluorobenzene	12.728	95	574090	64.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	129.980%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.363	59	83542	65.835	ug/l #	72
17) Carbon Disulfide	4.546	76	9374	0.723	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	3603536	171.572	ug/l #	26
25) 2-Butanone	7.334	43	46432	9.638	ug/l #	85
31) Cyclohexane	8.093	56	328393	30.882	ug/l #	88
39) Methylcyclohexane	9.457	83	406304	36.607	ug/l	96
40) Benzene	8.457	78	13041497	442.771	ug/l	99
52) Toluene	10.504	92	15062242	808.979	ug/l #	73
67) Ethyl Benzene	11.839	91	14757290	361.615	ug/l	92
68) m/p-Xylenes	11.939	106	20680968	1318.945	ug/l #	1
69) o-Xylene	12.275	106	5366932	344.844	ug/l	97
73) Isopropylbenzene	12.575	105	1215030	26.083	ug/l	100
78) n-propylbenzene	12.916	91	1548749	31.607	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	3081477	83.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	12496113	347.006	ug/l	98
85) sec-Butylbenzene	13.498	105	53079m	1.214	ug/l	
86) p-Isopropyltoluene	13.610	119	33718m	0.967	ug/l	
95) Naphthalene	15.498	128	2684644	102.339	ug/l	100

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

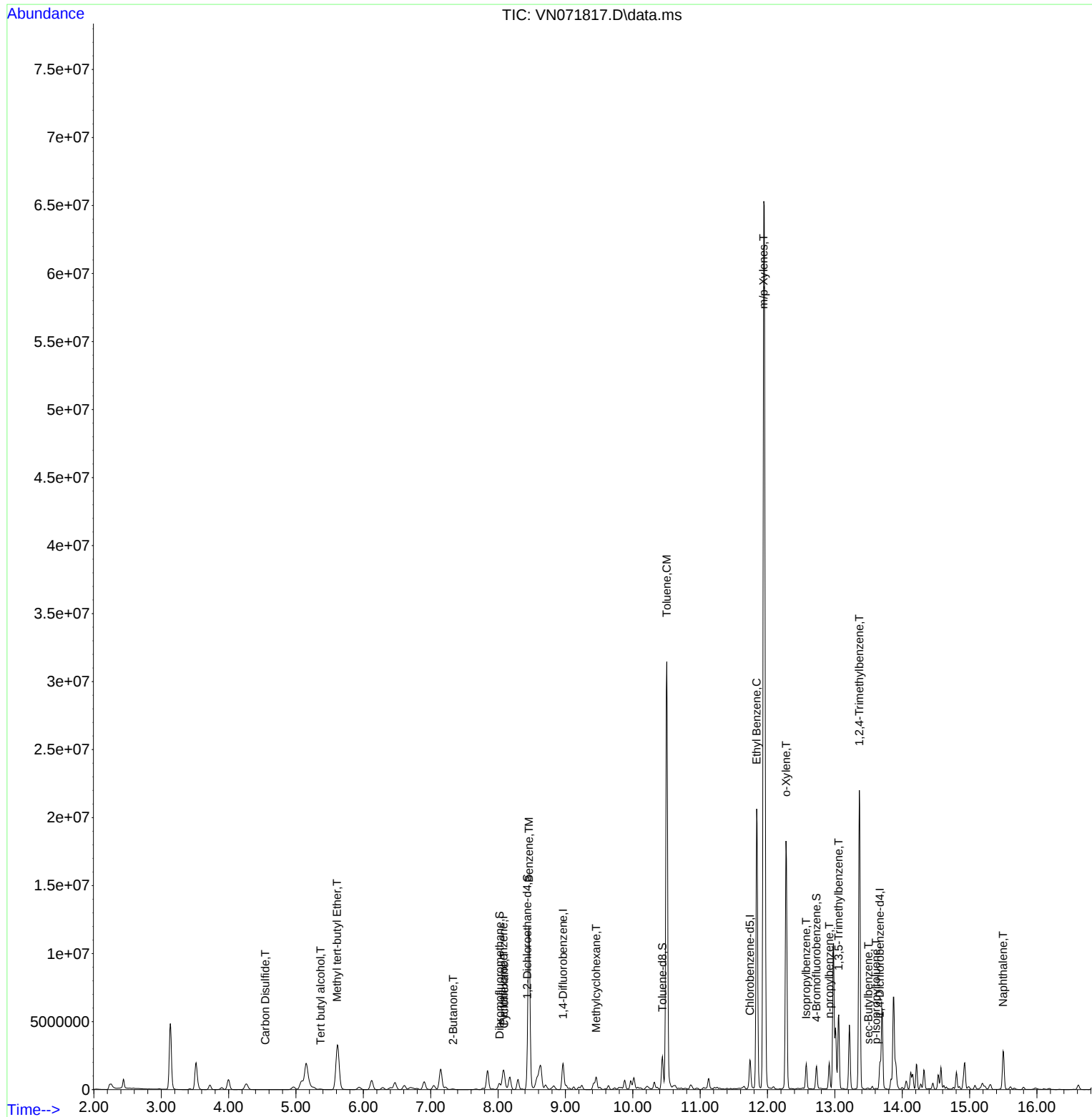
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040222\
Data File : VN071817.D
Acq On : 02 Apr 2022 22:59
Operator : JC\MD
Sample : N2242-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

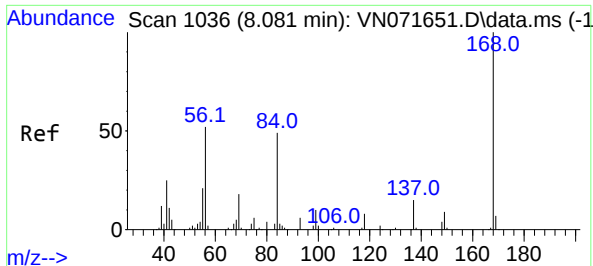
Instrument :
MSVOA_N
ClientSampleId :
MW-3

Manual Integrations
APPROVED

Reviewed By : John Carlone 04/04/2022
Supervised By : Mahesh Dadoda 04/05/2022

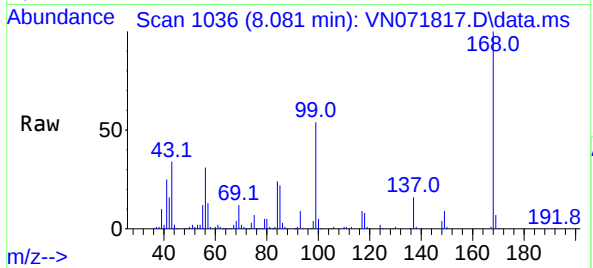
Quant Time: Apr 04 01:12:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

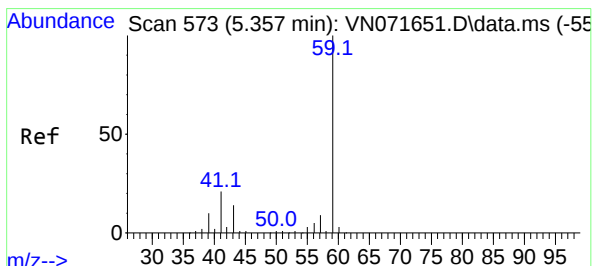
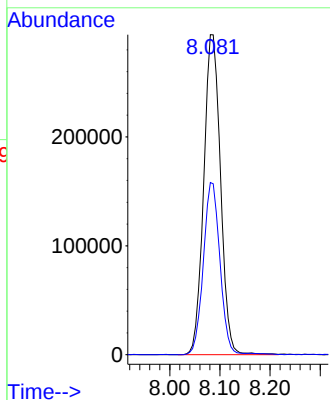
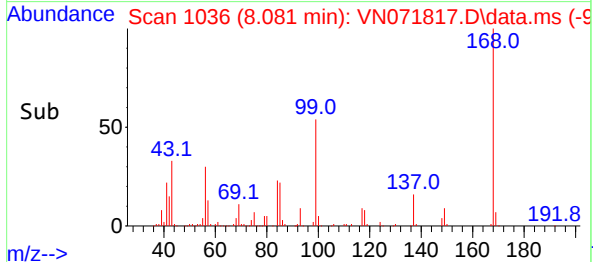
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion:168 Resp: 684939
Ion Ratio Lower Upper
168 100
99 53.8 42.3 63.5

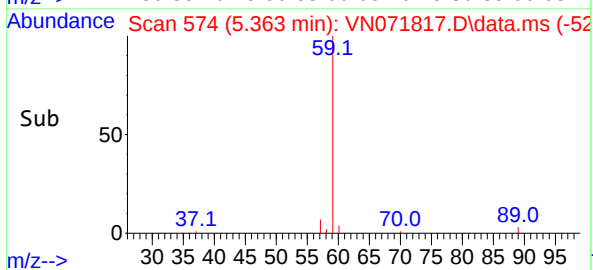
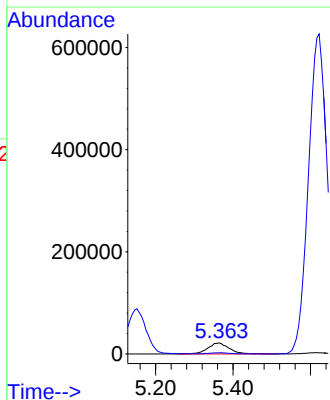
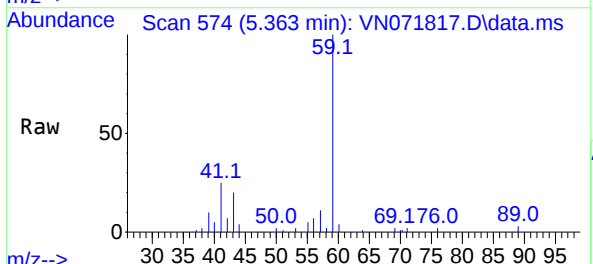
Manual Integrations
APPROVED

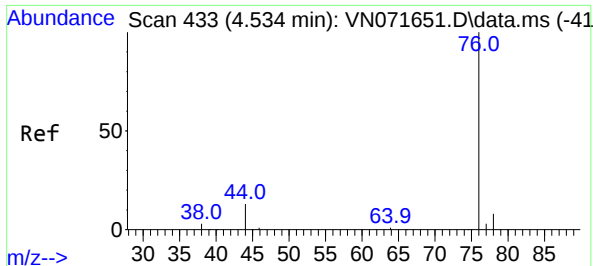
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022



#11
Tert butyl alcohol
Concen: 65.835 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.006 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

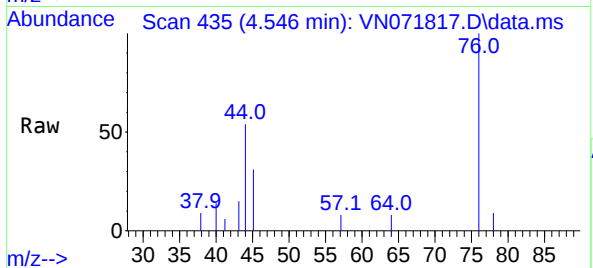
Tgt Ion: 59 Resp: 83542
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#17
Carbon Disulfide
Concen: 0.723 ug/l
RT: 4.546 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

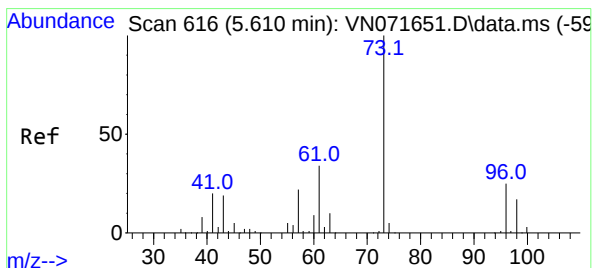
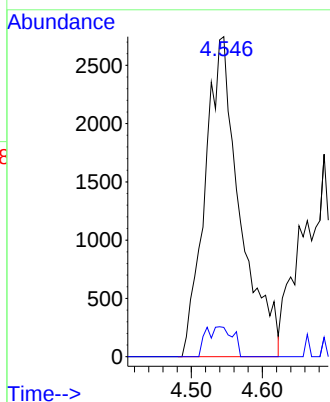
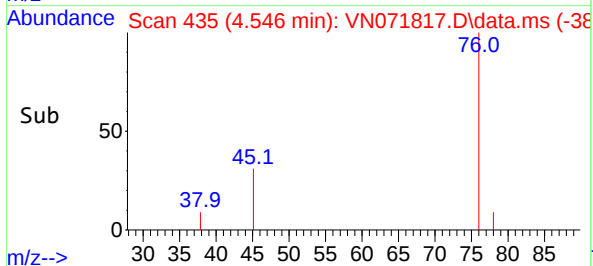
Instrument :
MSVOA_N
ClientSampleId :
MW-3



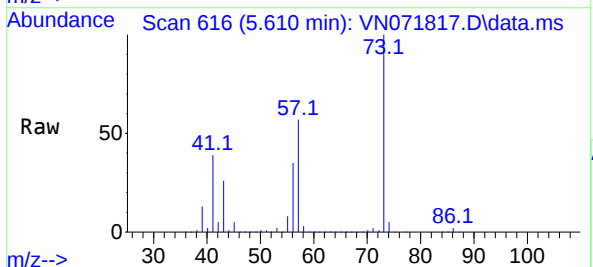
Tgt Ion: 76 Resp: 9374
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

Manual Integrations
APPROVED

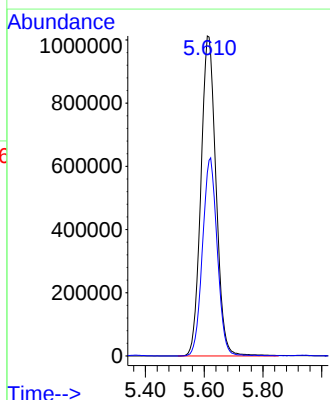
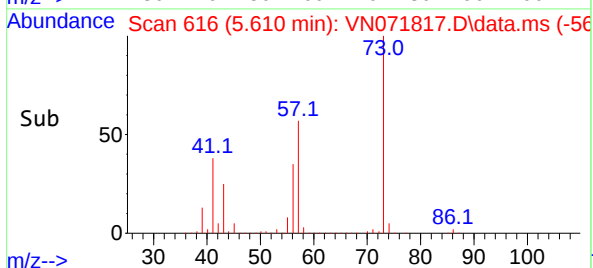
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022

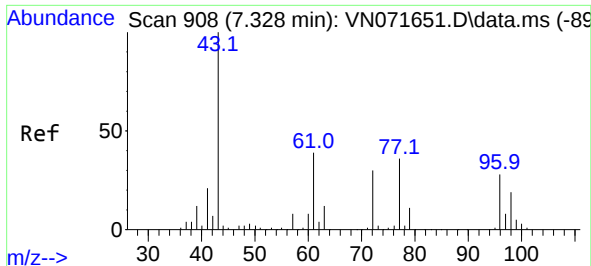


#19
Methyl tert-butyl Ether
Concen: 171.572 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



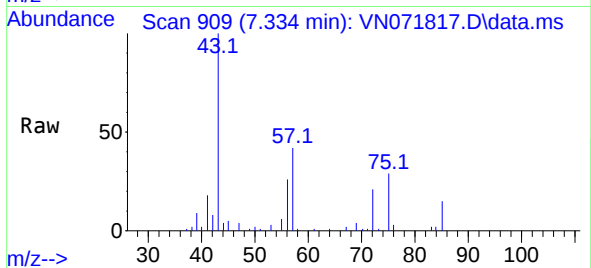
Tgt Ion: 73 Resp: 3603536
Ion Ratio Lower Upper
73 100
57 57.3 17.6 26.4#





#25
2-Butanone
Concen: 9.638 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

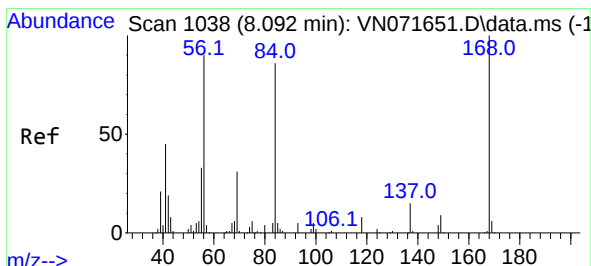
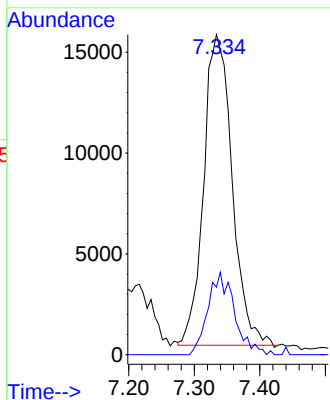
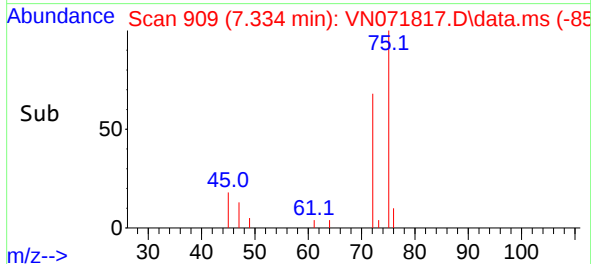
Instrument :
MSVOA_N
ClientSampleId :
MW-3



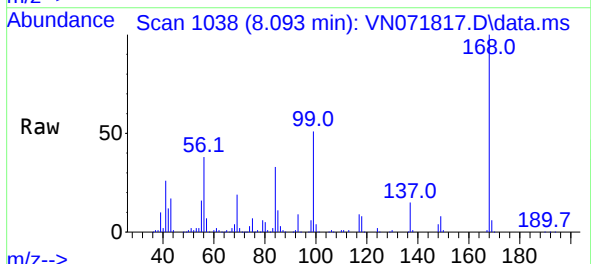
Tgt Ion: 43 Resp: 46432
Ion Ratio Lower Upper
43 100
72 21.7 23.7 35.5

Manual Integrations
APPROVED

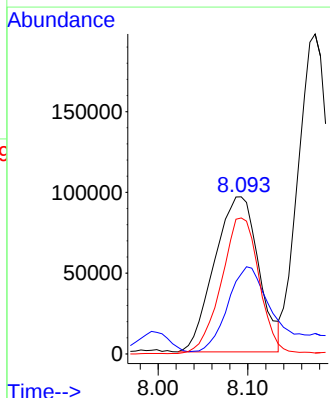
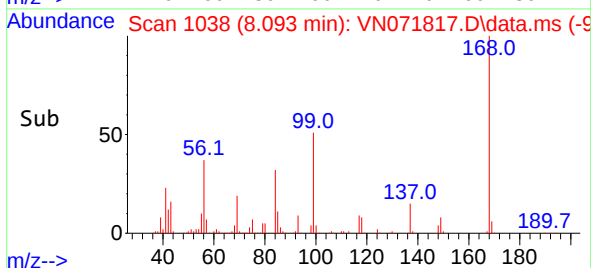
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022

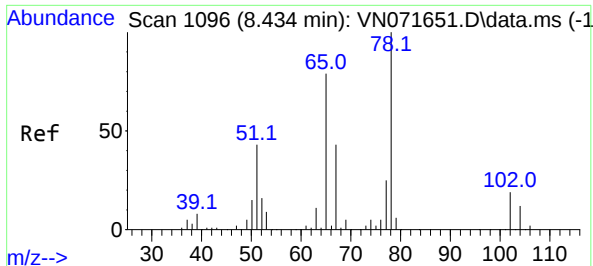


#31
Cyclohexane
Concen: 30.882 ug/l
RT: 8.093 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



Tgt Ion: 56 Resp: 328393
Ion Ratio Lower Upper
56 100
69 47.2 27.8 41.8#
84 87.3 76.9 115.3





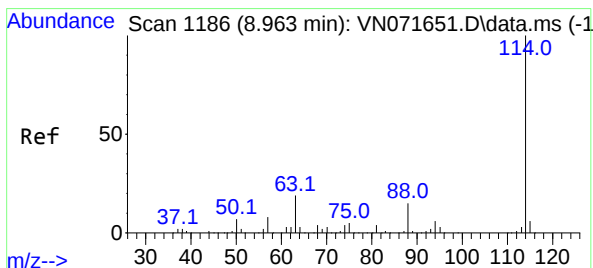
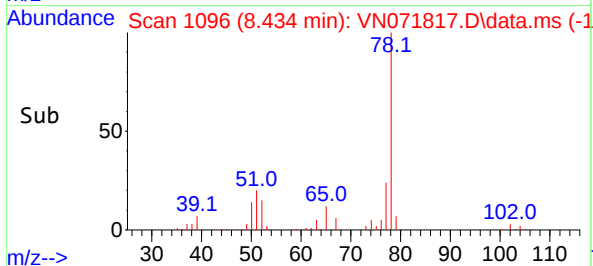
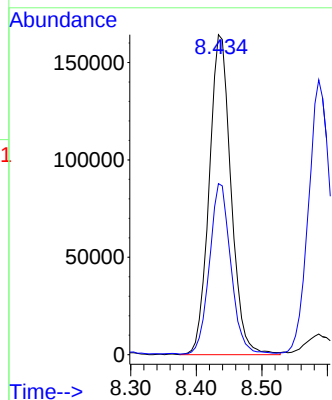
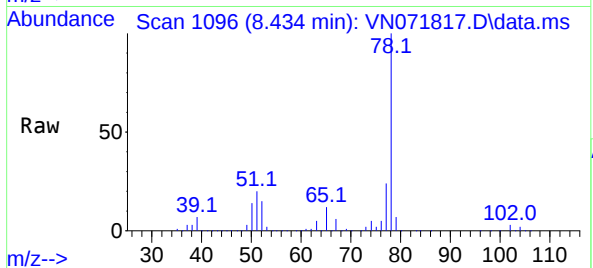
#33
1,2-Dichloroethane-d4
Concen: 48.596 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 65 Resp: 37999
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

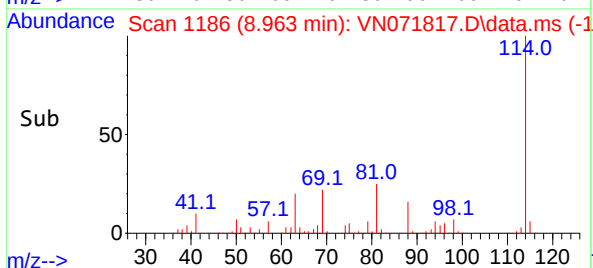
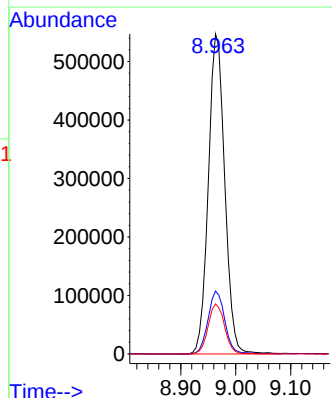
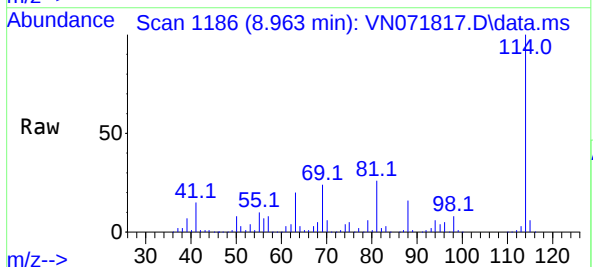
Manual Integrations
APPROVED

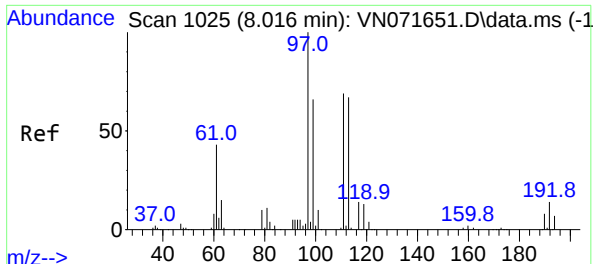
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

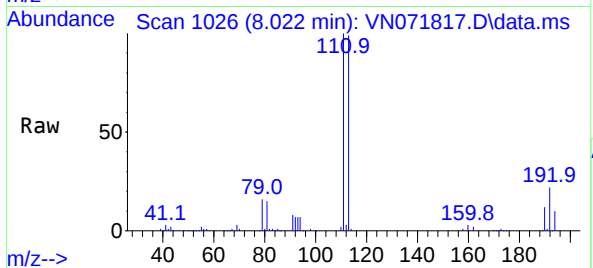
Tgt Ion:114 Resp: 1134675
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.6 0.0 32.6





#35
Dibromofluoromethane
Concen: 48.239 ug/l
RT: 8.022 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

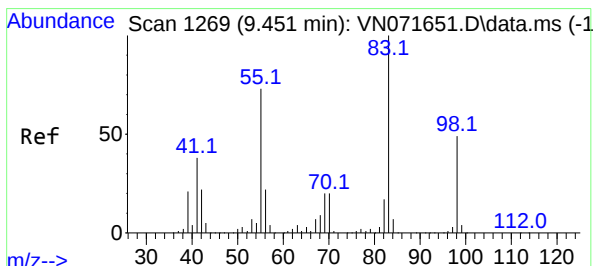
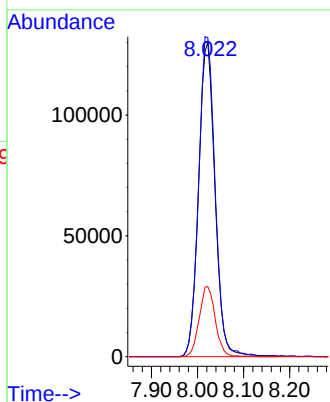
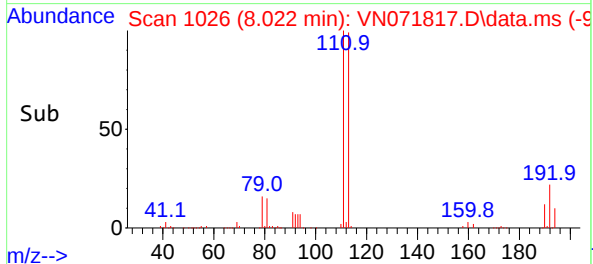
Instrument :
MSVOA_N
ClientSampleId :
MW-3



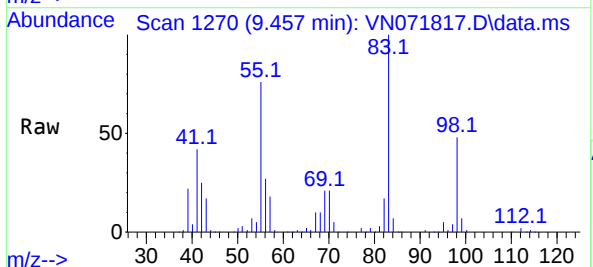
Tgt Ion: 113 Resp: 322085
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 22.0 17.0 25.6

Manual Integrations
APPROVED

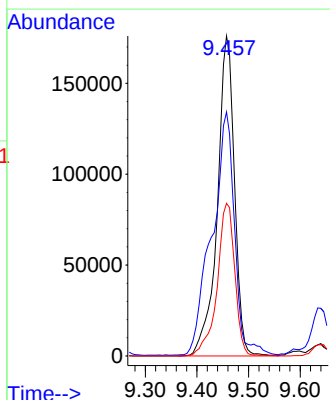
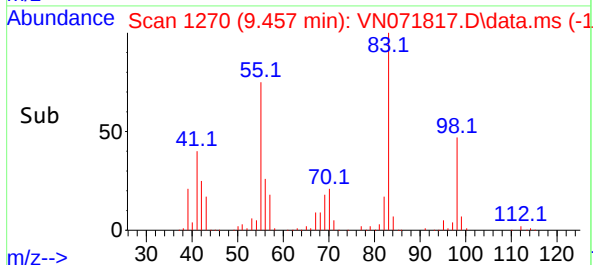
Reviewed By : John Carlone 04/04/2022
Supervised By : Mahesh Dadoda 04/05/2022

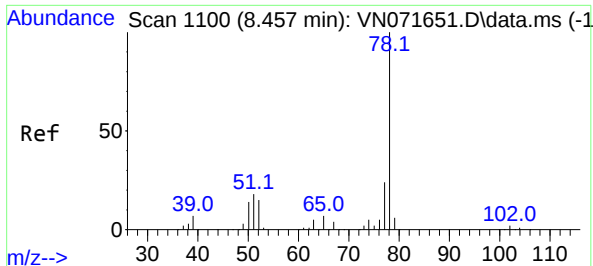


#39
Methylcyclohexane
Concen: 36.607 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



Tgt Ion: 83 Resp: 406304
Ion Ratio Lower Upper
83 100
55 75.9 57.8 86.8
98 47.7 39.4 59.2





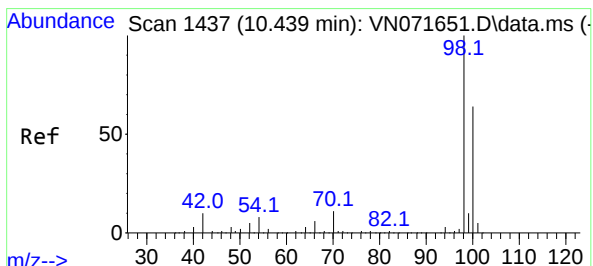
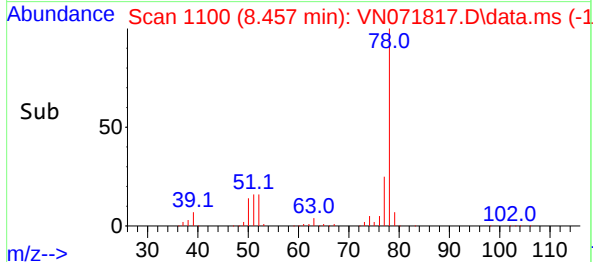
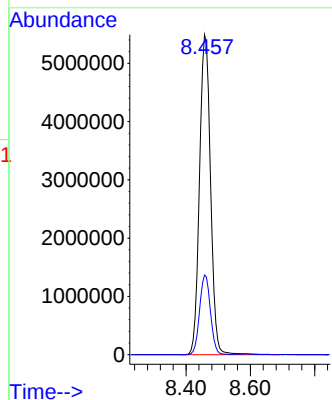
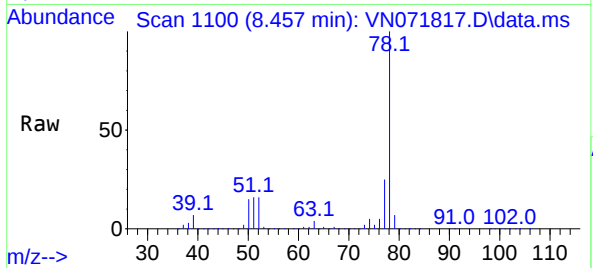
#40
Benzene
Concen: 442.771 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 78 Resp:1304149
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.0

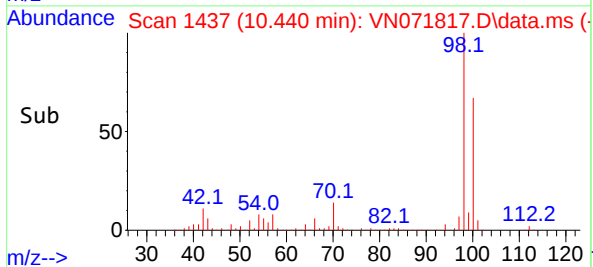
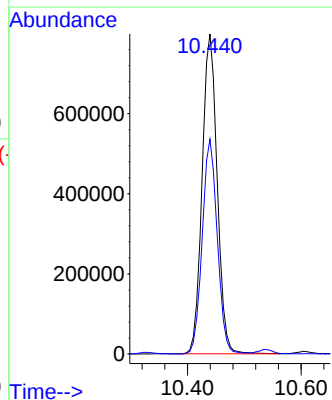
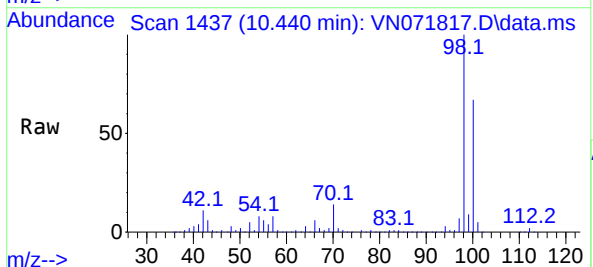
Manual Integrations
APPROVED

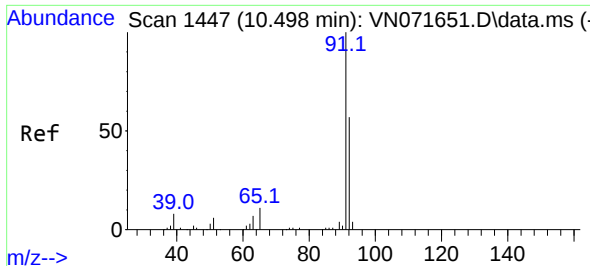
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022



#50
Toluene-d8
Concen: 53.790 ug/l
RT: 10.440 min Scan# 1437
Delta R.T. 0.001 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

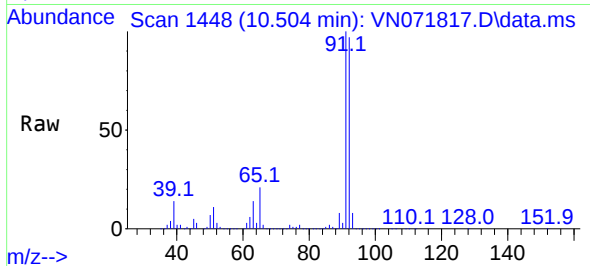
Tgt Ion: 98 Resp: 1469195
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8





#52
Toluene
Concen: 808.979 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

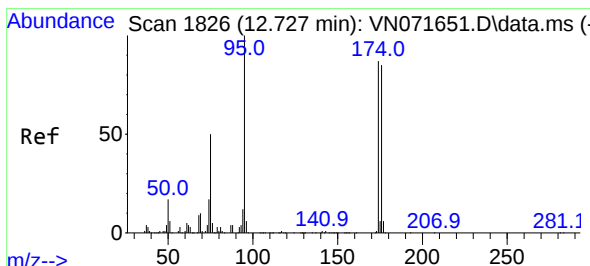
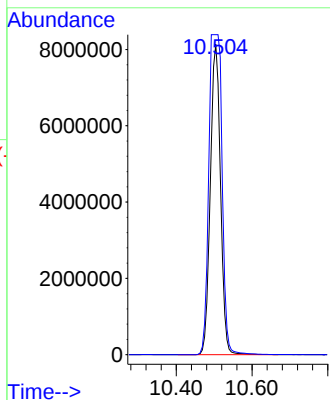
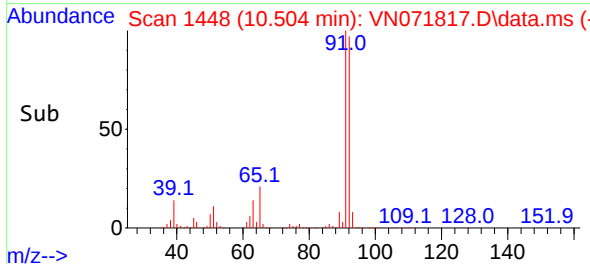
Instrument :
MSVOA_N
ClientSampleId :
MW-3



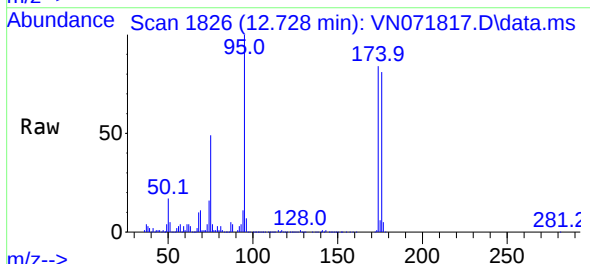
Tgt Ion: 92 Resp:1506224
Ion Ratio Lower Upper
92 100
91 135.4 138.6 207.8

Manual Integrations
APPROVED

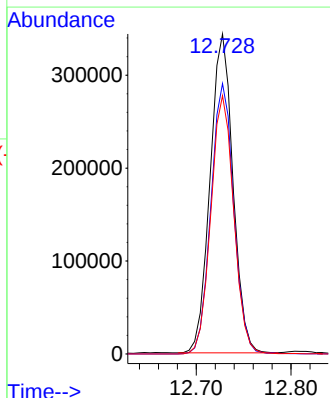
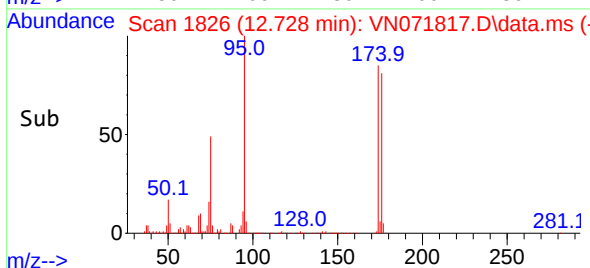
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022

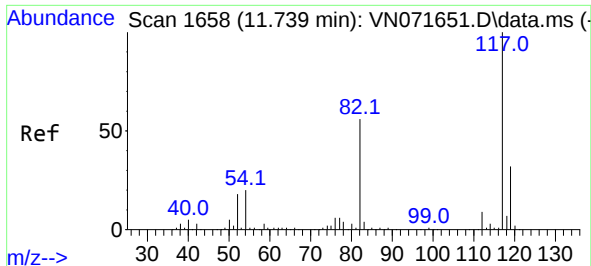


#62
4-Bromofluorobenzene
Concen: 64.989 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.001 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



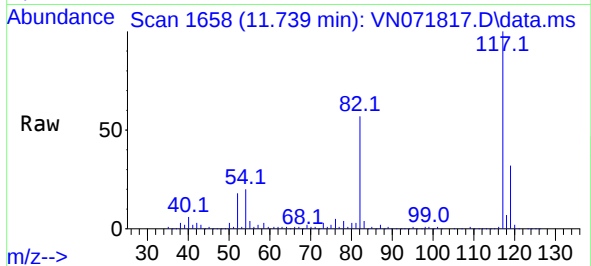
Tgt Ion: 95 Resp: 574090
Ion Ratio Lower Upper
95 100
174 84.8 0.0 167.6
176 81.1 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

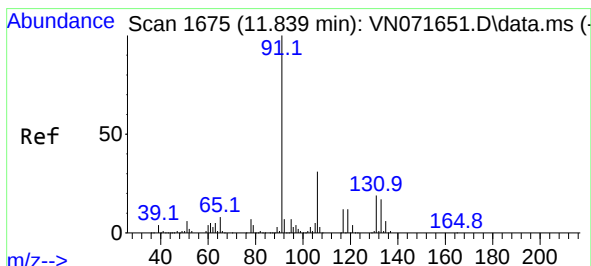
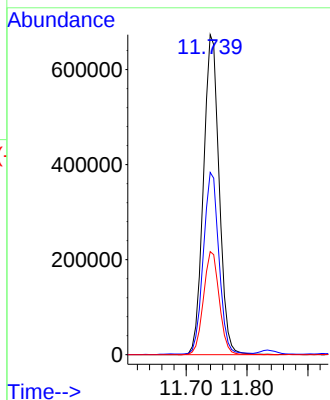
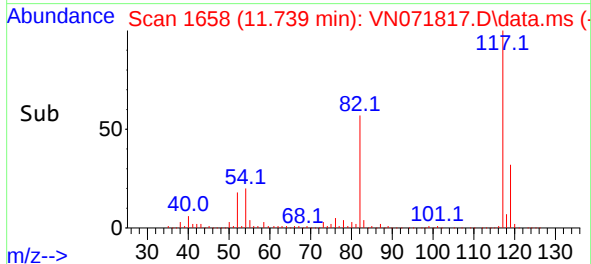
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion:117 Resp: 1203915
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.2 25.4 38.0

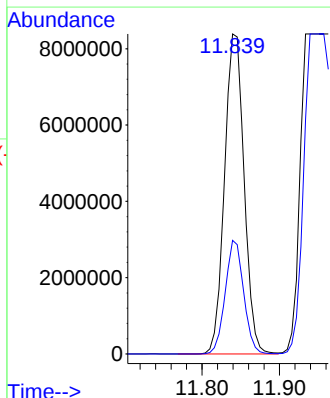
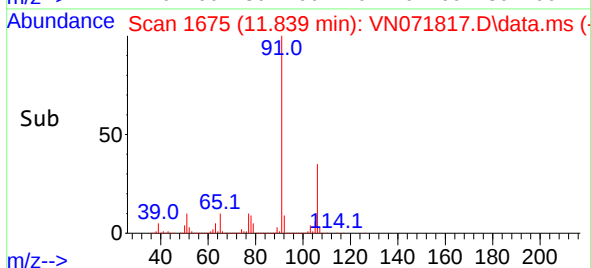
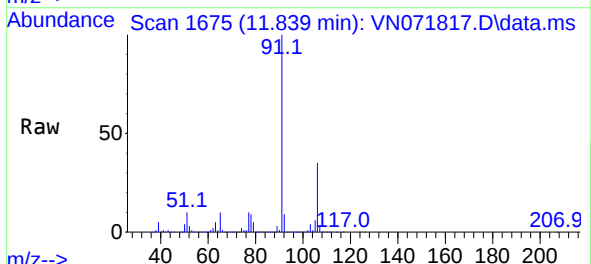
Manual Integrations
APPROVED

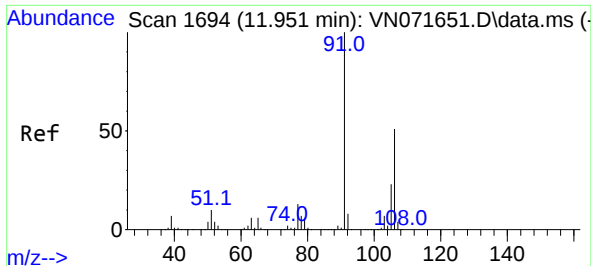
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022



#67
Ethyl Benzene
Concen: 361.615 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

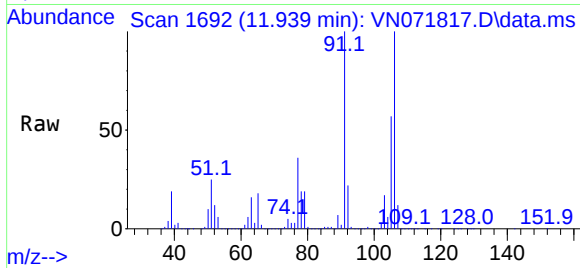
Tgt Ion: 91 Resp:14757290
Ion Ratio Lower Upper
91 100
106 35.5 24.9 37.3





#68
m/p-Xylenes
Concen: 1318.945 ug/l
RT: 11.939 min Scan# 1692
Delta R.T. -0.012 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

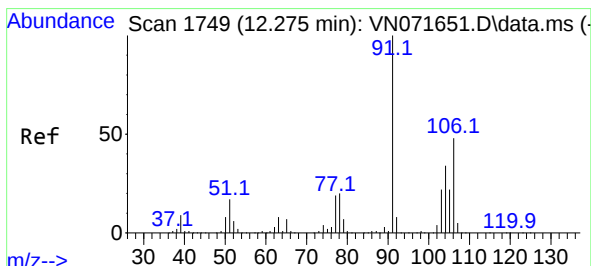
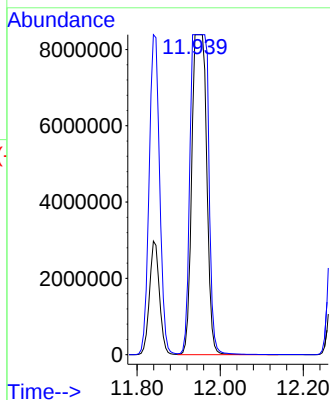
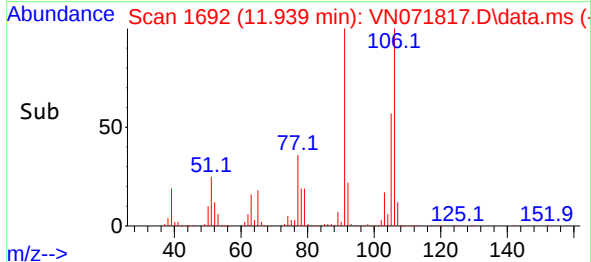
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion:106 Resp:2068096
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3

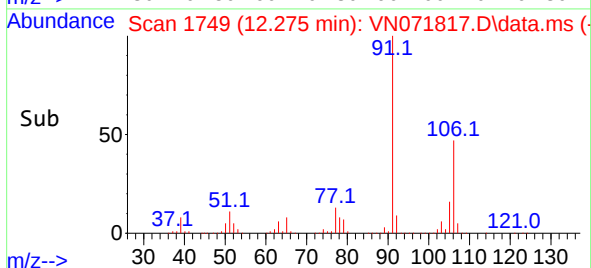
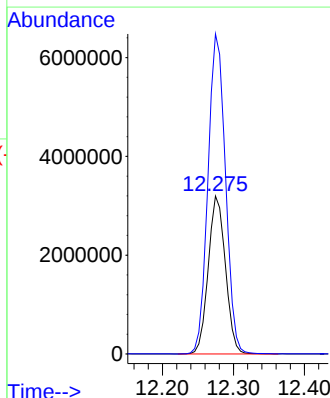
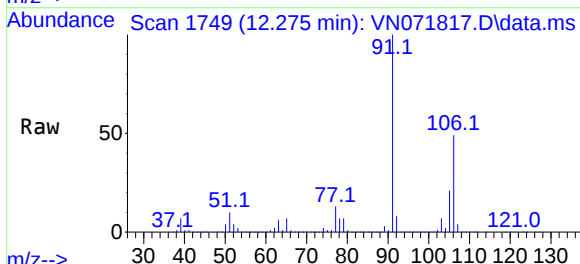
Manual Integrations
APPROVED

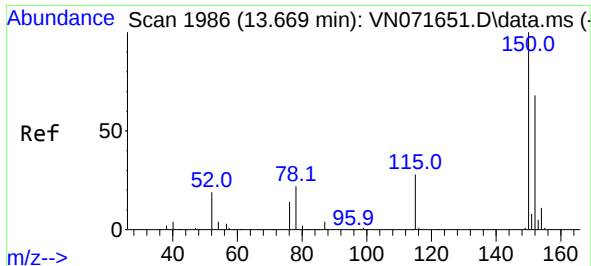
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022



#69
o-Xylene
Concen: 344.844 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

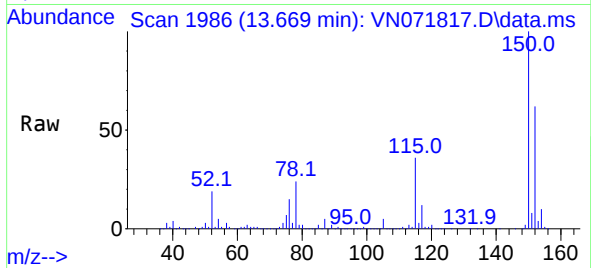
Tgt Ion:106 Resp: 5366932
Ion Ratio Lower Upper
106 100
91 206.7 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

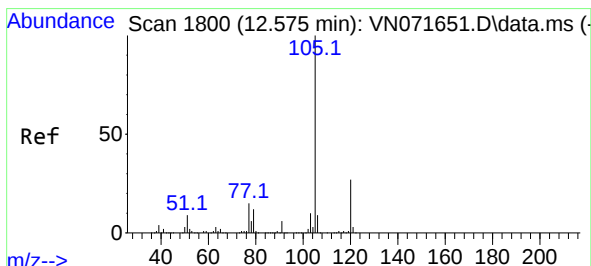
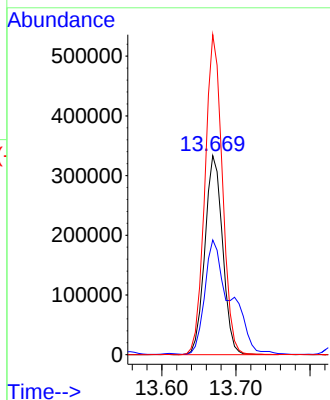
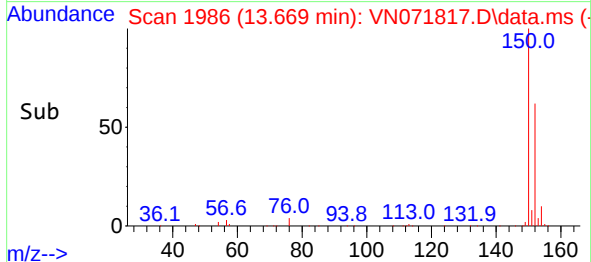
Instrument :
MSVOA_N
ClientSampleId :
MW-3



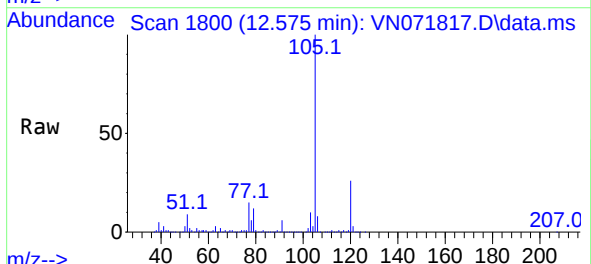
Tgt Ion:152 Resp: 552799
Ion Ratio Lower Upper
152 100
115 83.5 28.9 86.7
150 158.3 0.0 356.2

Manual Integrations
APPROVED

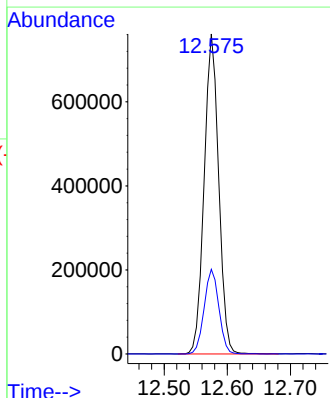
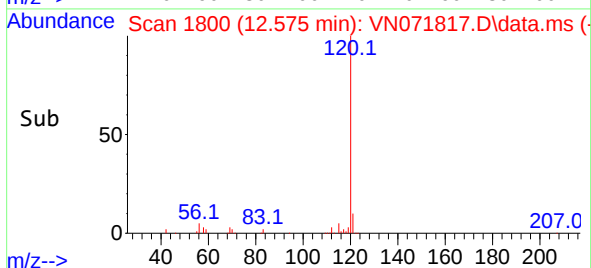
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022

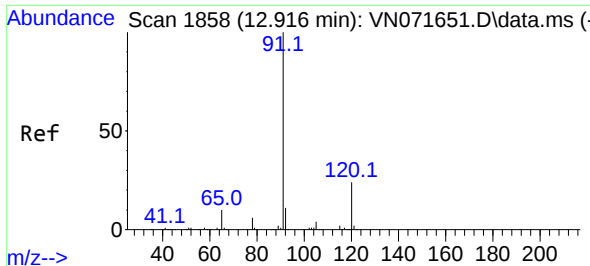


#73
Isopropylbenzene
Concen: 26.083 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



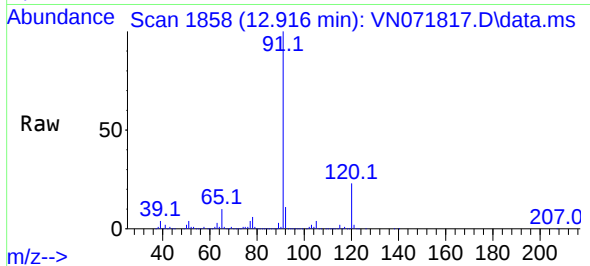
Tgt Ion:105 Resp: 1215030
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4





#78
n-propylbenzene
Concen: 31.607 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

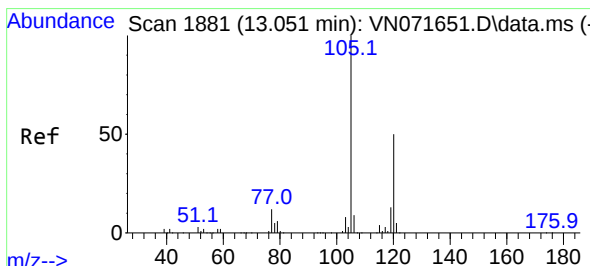
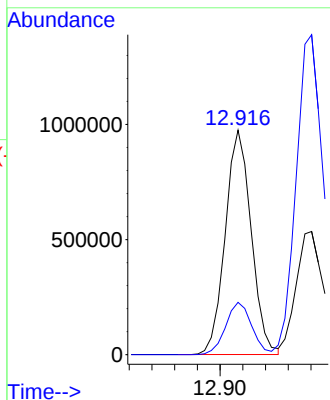
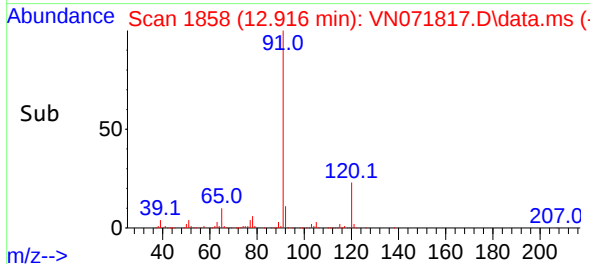
Instrument :
MSVOA_N
ClientSampleId :
MW-3



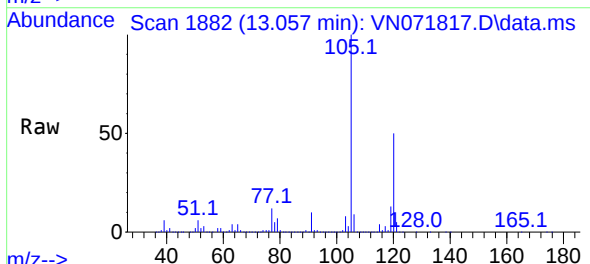
Tgt Ion: 91 Resp: 1548749
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5

Manual Integrations
APPROVED

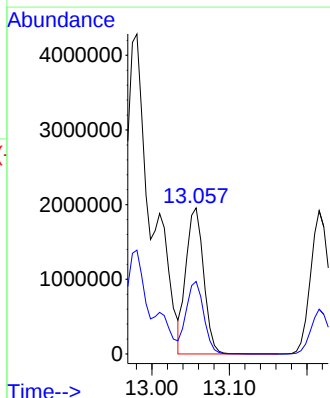
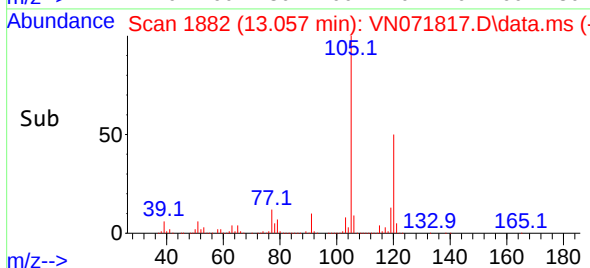
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022

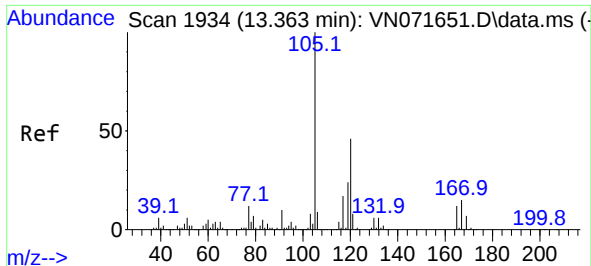


#80
1,3,5-Trimethylbenzene
Concen: 83.490 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



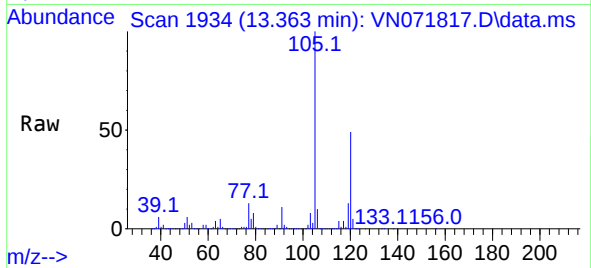
Tgt Ion:105 Resp: 3081477
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 347.006 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

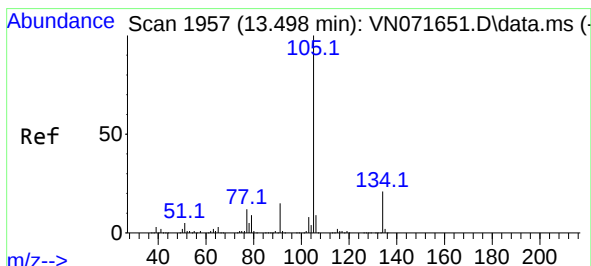
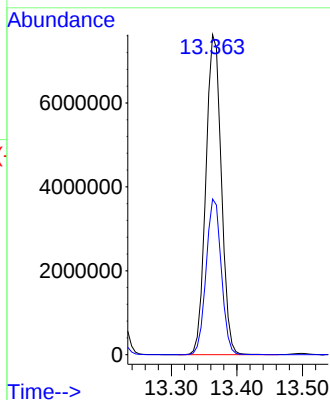
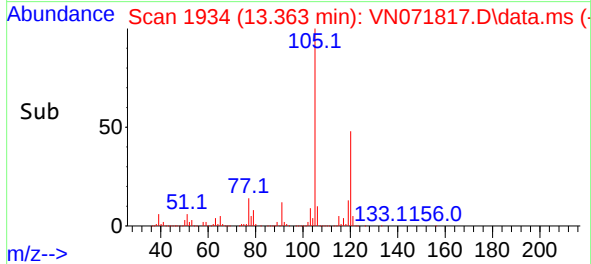
Instrument :
MSVOA_N
ClientSampleId :
MW-3



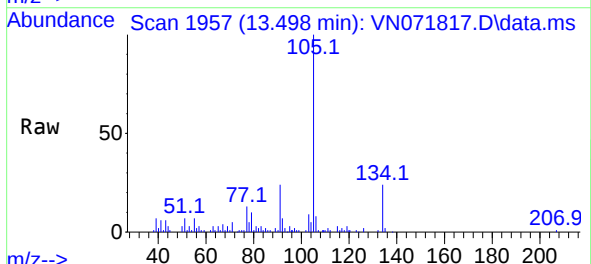
Tgt Ion:105 Resp:1249611
Ion Ratio Lower Upper
105 100
120 47.8 23.3 69.8

Manual Integrations
APPROVED

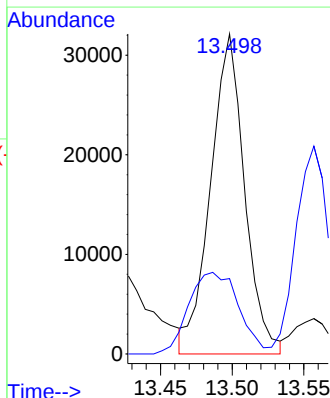
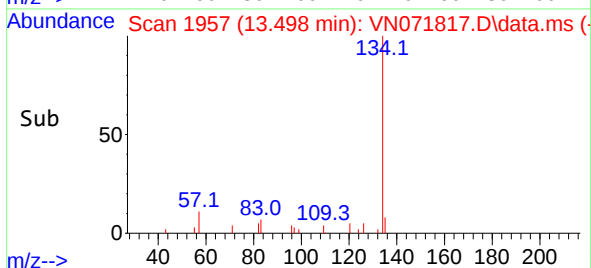
Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022

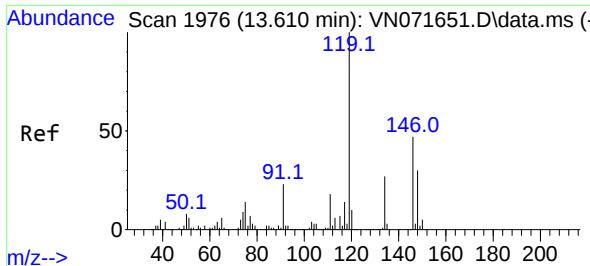


#85
sec-Butylbenzene
Concen: 1.214 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



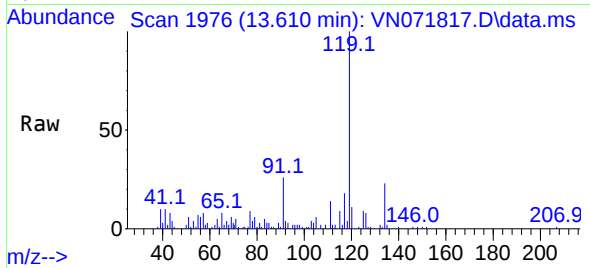
Tgt Ion:105 Resp: 53079
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 0.967 ug/l m
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59

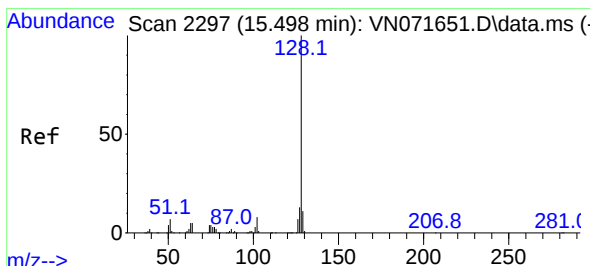
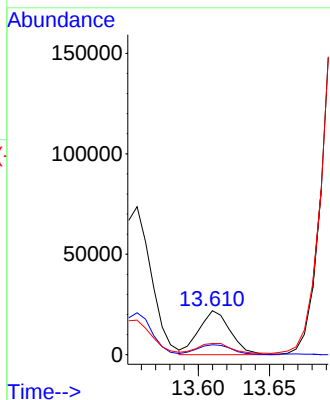
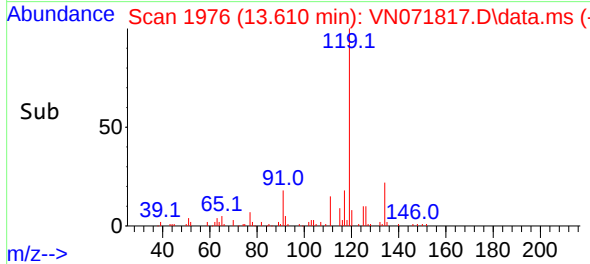
Instrument :
MSVOA_N
ClientSampleId :
MW-3



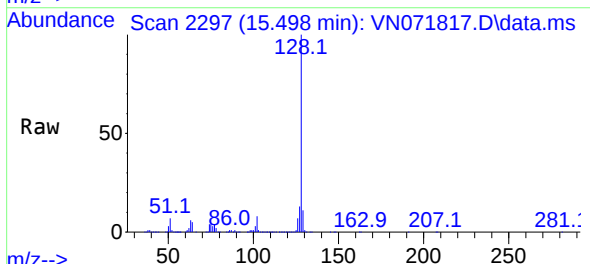
Tgt Ion:119 Resp: 33718
Ion Ratio Lower Upper
119 100
134 98.3 13.3 39.8
91 0.0 11.3 33.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/04/2022
Supervised By :Mahesh Dadoda 04/05/2022



#95
Naphthalene
Concen: 102.339 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VN071817.D
Acq: 02 Apr 2022 22:59



Tgt Ion:128 Resp: 2684644
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.6 13.0

