

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
 Data File : VN080247.D
 Acq On : 22 Nov 2023 15:07
 Operator : JC\MD
 Sample : 05518-04
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1109

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/24/2023
 Supervised By :Mahesh Dadoda 11/24/2023

Quant Time: Nov 23 00:21:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	157784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	296278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	311017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	140255	53.835	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.680%			
35) Dibromofluoromethane	8.165	113	108145	49.468	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.940%			
50) Toluene-d8	10.570	98	405481	51.453	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.853	95	169206	56.845	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.680%			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.683	76	12306	2.471	ug/l	100
18) Methyl Acetate	5.036	43	8084	2.875	ug/l	93
20) Methylene Chloride	5.283	84	2696m	1.471	ug/l	
31) Cyclohexane	8.229	56	21416m	7.559	ug/l	
39) Methylcyclohexane	9.600	83	75779	24.831	ug/l #	88
40) Benzene	8.606	78	26750	2.974	ug/l	98
52) Toluene	10.635	92	124758	22.161	ug/l	98
67) Ethyl Benzene	11.964	91	116025	9.252	ug/l	91
68) m/p-Xylenes	12.070	106	269642	58.972	ug/l	85
69) o-Xylene	12.400	106	98489	22.856	ug/l	88
73) Isopropylbenzene	12.700	105	26695	2.095	ug/l	98
78) n-propylbenzene	13.035	91	57946	4.066	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	157959	14.238	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	322668	29.538	ug/l	96
85) sec-Butylbenzene	13.617	105	18145	1.612	ug/l #	42
86) p-Isopropyltoluene	13.735	119	28232	2.808	ug/l	98
89) n-Butylbenzene	14.058	91	22158	2.633	ug/l #	79
95) Naphthalene	15.647	128	95100	10.179	ug/l #	94

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

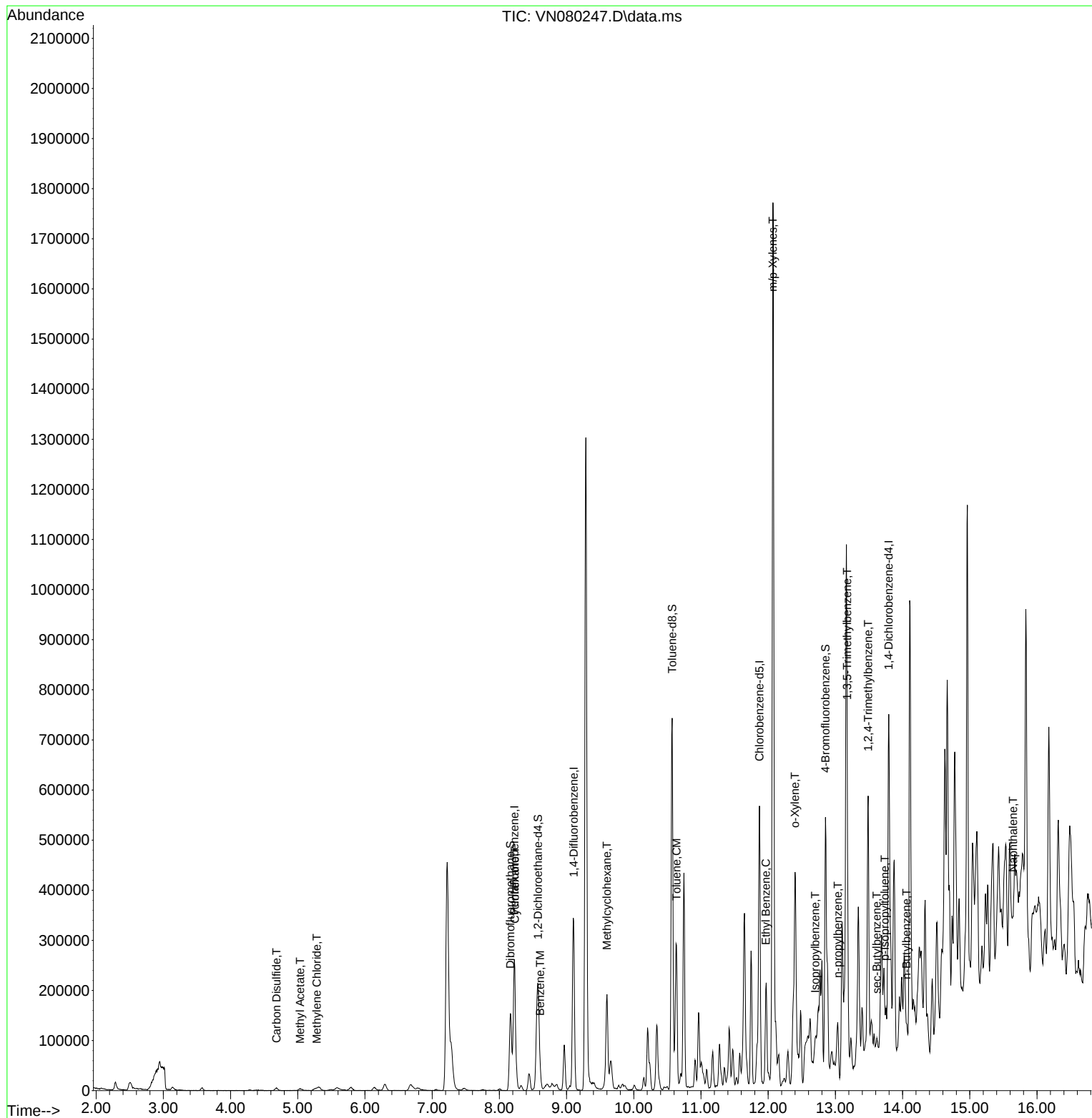
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
Data File : VN080247.D
Acq On : 22 Nov 2023 15:07
Operator : JC\MD
Sample : 05518-04
Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 14 Sample Multiplier: 1

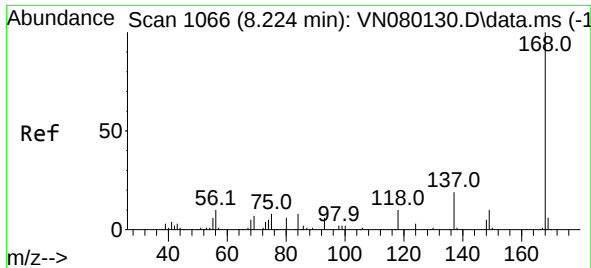
Instrument :
MSVOA_N
ClientSampleId :
1109

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/24/2023
Supervised By : Mahesh Dadoda 11/24/2023

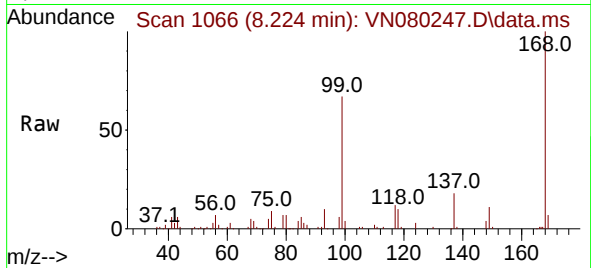
Quant Time: Nov 23 00:21:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

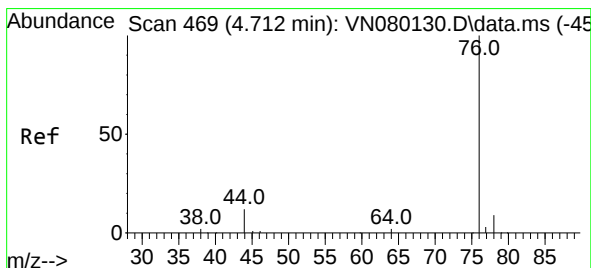
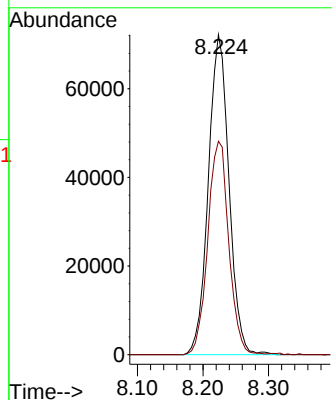
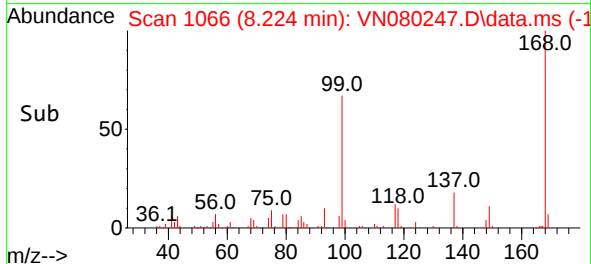
Instrument :
MSVOA_N
ClientSampleId :
1109



Tgt Ion:168 Resp: 157784
Ion Ratio Lower Upper
168 100
99 66.7 53.0 79.6

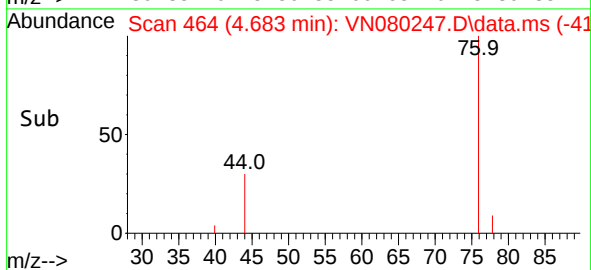
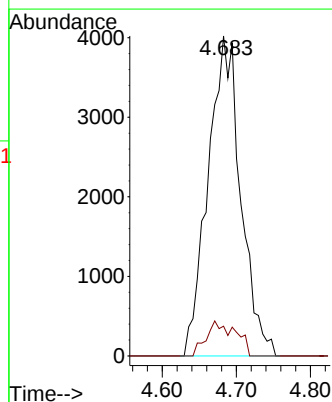
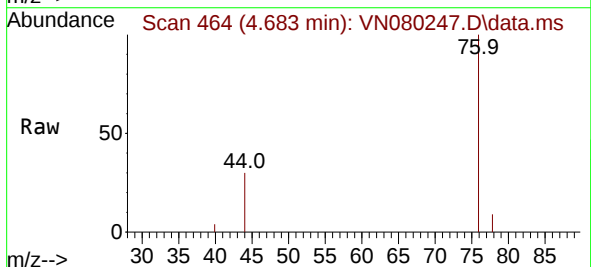
Manual Integrations
APPROVED

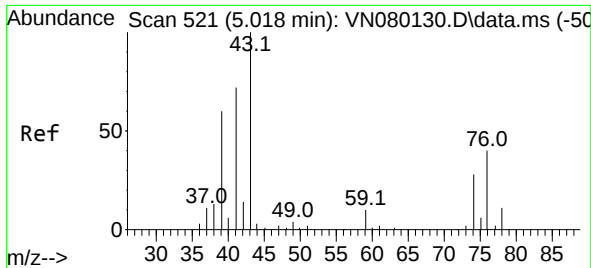
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#17
Carbon Disulfide
Concen: 2.471 ug/l
RT: 4.683 min Scan# 464
Delta R.T. -0.030 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

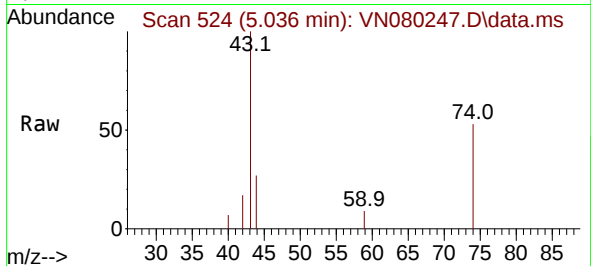
Tgt Ion: 76 Resp: 12306
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





#18
Methyl Acetate
Concen: 2.875 ug/l
RT: 5.036 min Scan# 511
Delta R.T. 0.017 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

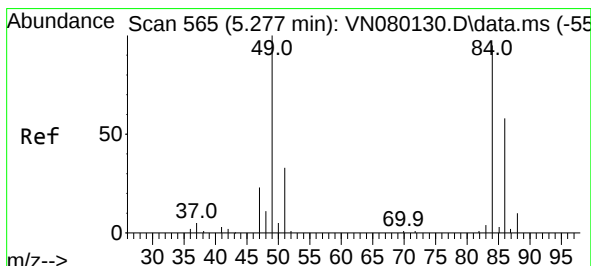
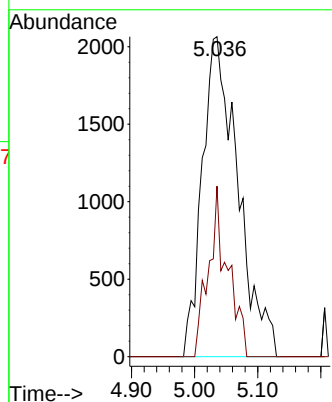
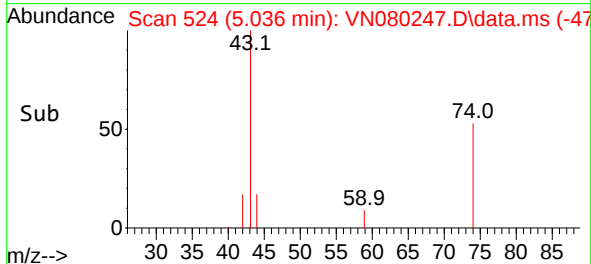
Instrument :
MSVOA_N
ClientSampleId :
1109



Tgt Ion: 43 Resp: 8084
Ion Ratio Lower Upper
43 100
74 28.8 26.2 39.4

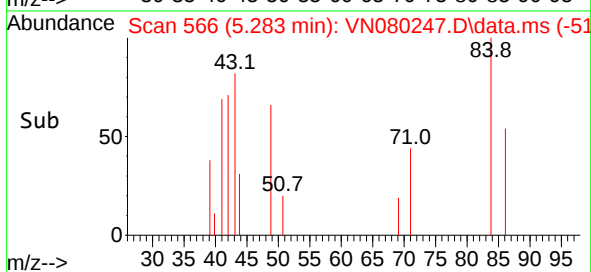
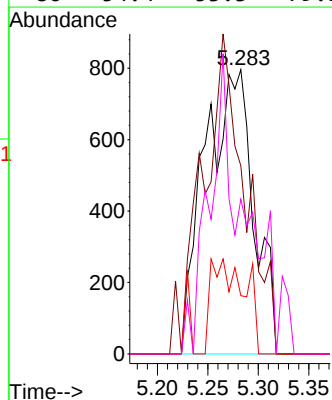
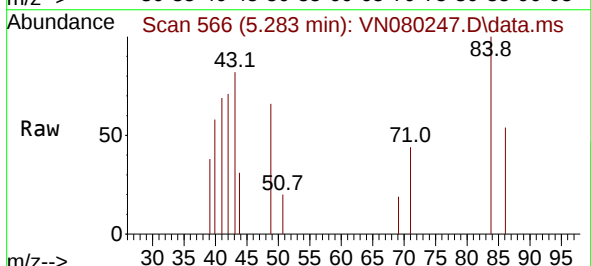
Manual Integrations
APPROVED

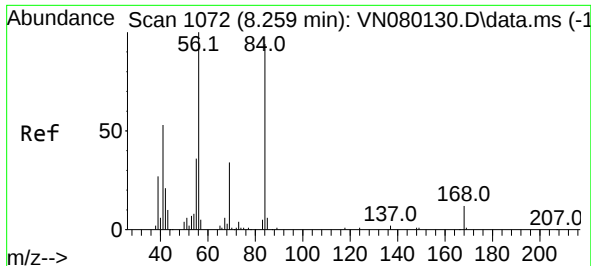
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#20
Methylene Chloride
Concen: 1.471 ug/l m
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

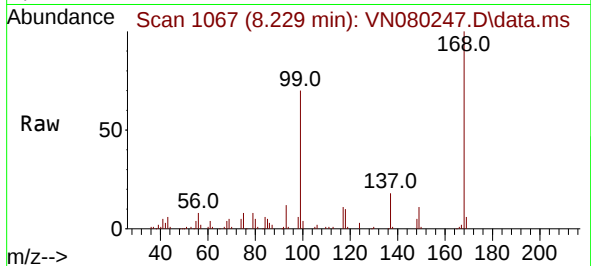
Tgt Ion: 84 Resp: 2696
Ion Ratio Lower Upper
84 100
49 66.2 79.7 119.5#
51 20.5 25.2 37.8#
86 54.4 53.3 79.9





#31
Cyclohexane
Concen: 7.559 ug/l m
RT: 8.229 min Scan# 1109
Delta R.T. -0.030 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

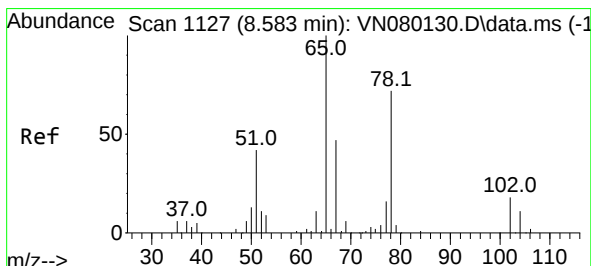
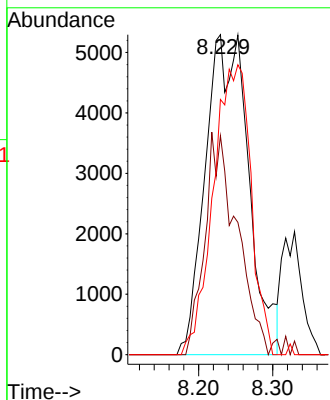
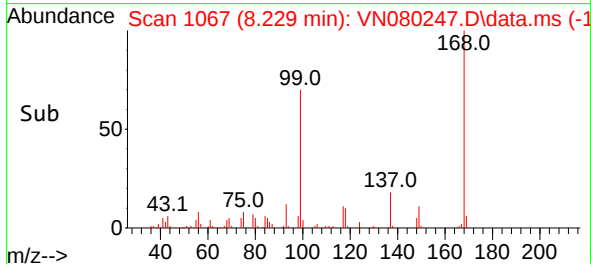
Instrument :
MSVOA_N
ClientSampleId :
1109



Tgt Ion: 56 Resp: 21410
Ion Ratio Lower Upper
56 100
69 68.4 26.8 40.2
84 79.7 81.8 122.6

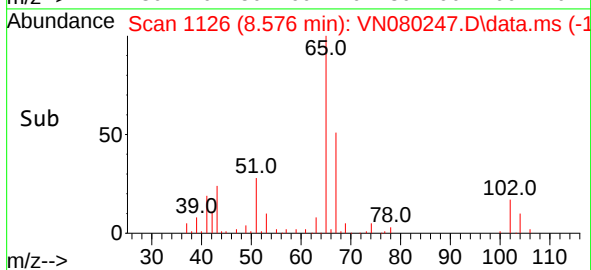
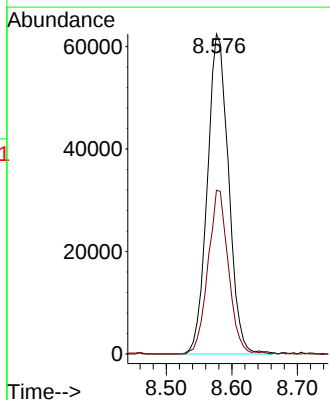
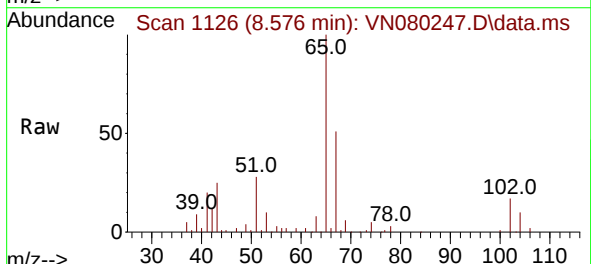
Manual Integrations
APPROVED

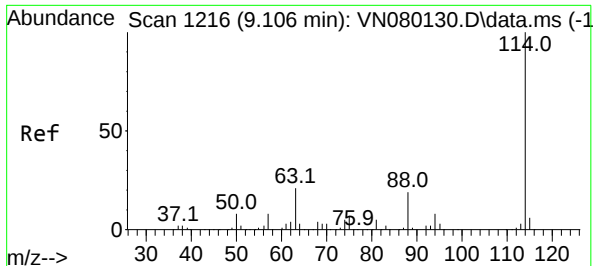
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#33
1,2-Dichloroethane-d4
Concen: 53.835 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Tgt Ion: 65 Resp: 140255
Ion Ratio Lower Upper
65 100
67 49.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN080247.D

Acq: 22 Nov 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

1109

Tgt Ion:114 Resp: 296278

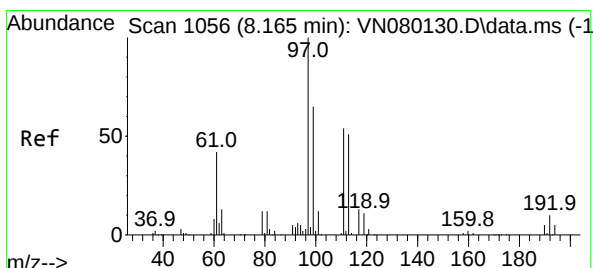
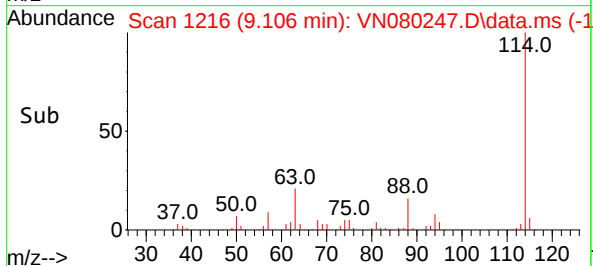
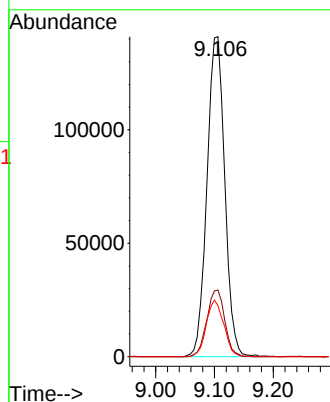
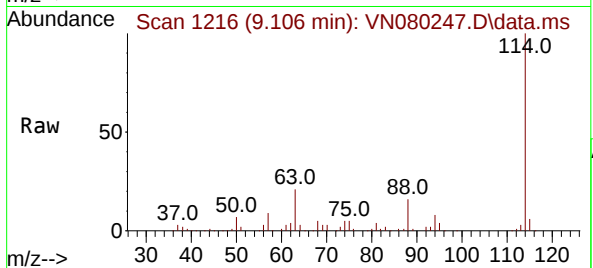
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	36.4
88	16.0	0.0	30.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2023

Supervised By :Mahesh Dadoda 11/24/2023



#35

Dibromofluoromethane

Concen: 49.468 ug/l

RT: 8.165 min Scan# 1056

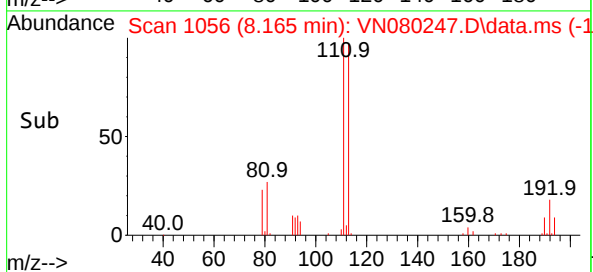
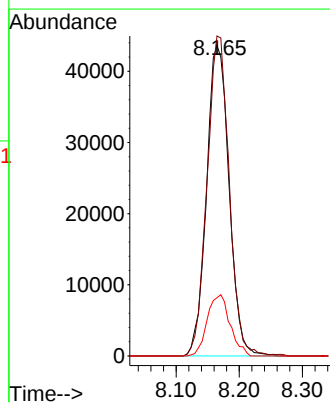
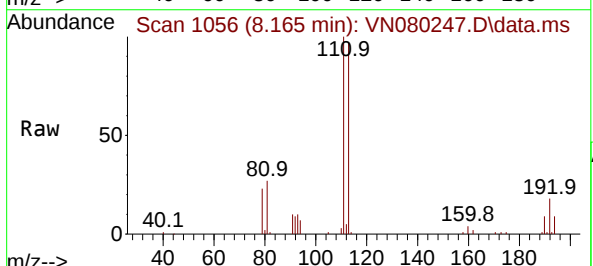
Delta R.T. -0.000 min

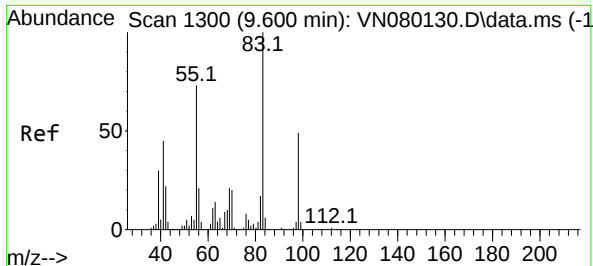
Lab File: VN080247.D

Acq: 22 Nov 2023 15:07

Tgt Ion:113 Resp: 108145

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	19.9	12.7	19.1





#39

Methylcyclohexane

Concen: 24.831 ug/l

RT: 9.600 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN080247.D

Acq: 22 Nov 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

1109

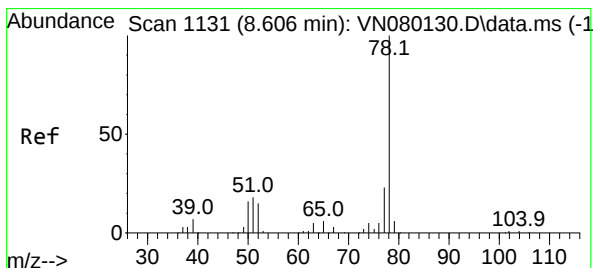
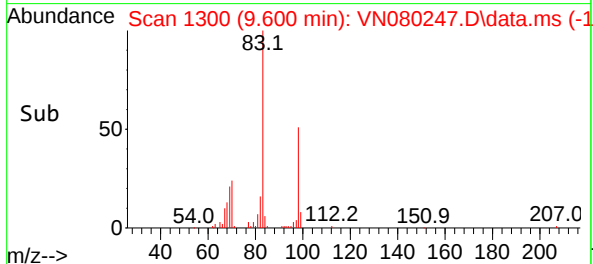
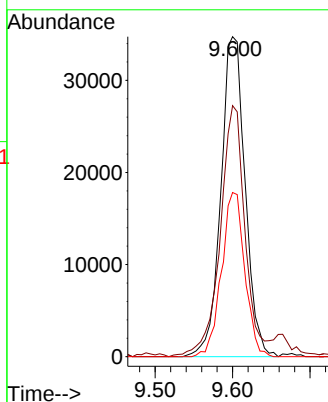
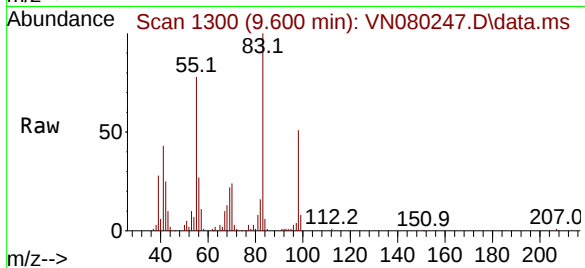
Tgt Ion: 83 Resp: 75779
 Ion Ratio Lower Upper
 83 100
 55 77.8 49.1 73.7
 98 51.3 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2023

Supervised By :Mahesh Dadoda 11/24/2023



#40

Benzene

Concen: 2.974 ug/l

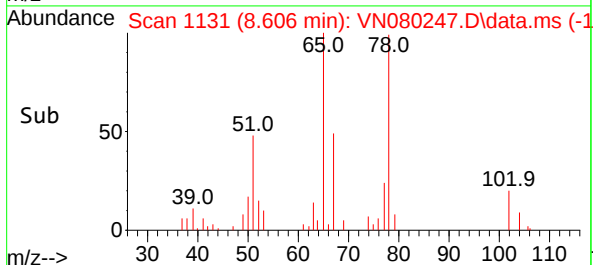
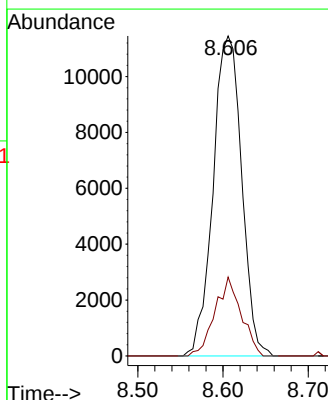
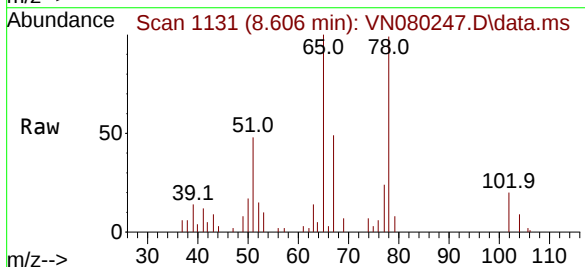
RT: 8.606 min Scan# 1131

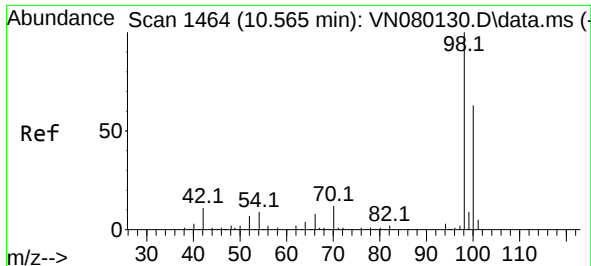
Delta R.T. -0.000 min

Lab File: VN080247.D

Acq: 22 Nov 2023 15:07

Tgt Ion: 78 Resp: 26750
 Ion Ratio Lower Upper
 78 100
 77 24.7 19.0 28.6





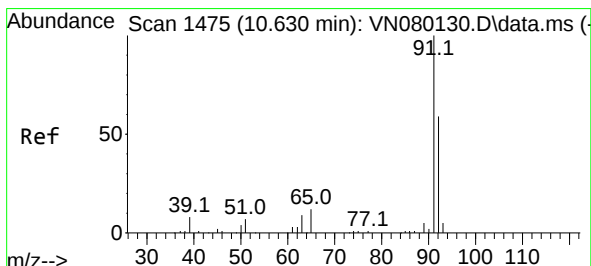
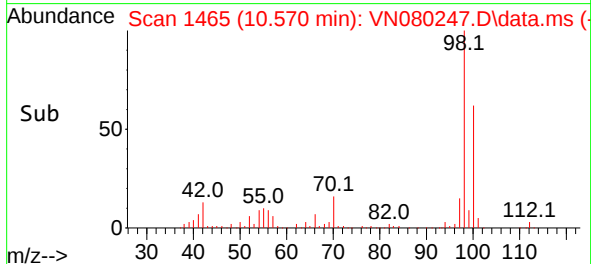
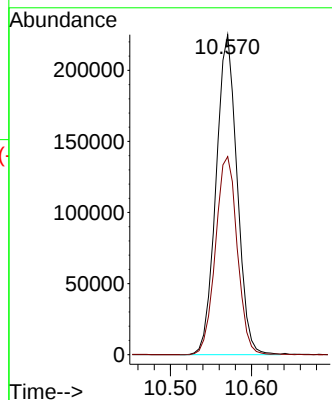
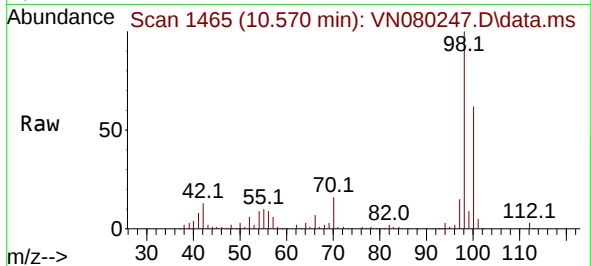
#50
Toluene-d8
Concen: 51.453 ug/l
RT: 10.570 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Instrument :
MSVOA_N
ClientSampleId :
1109

Tgt Ion: 98 Resp: 40548
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

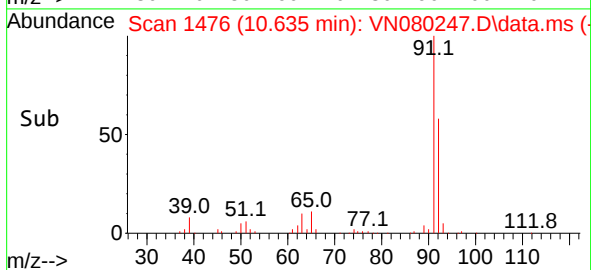
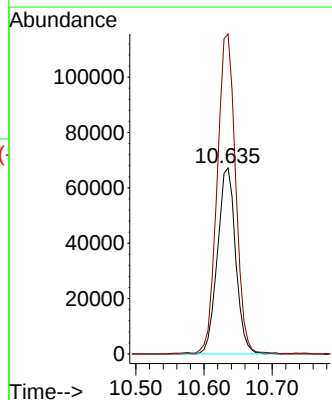
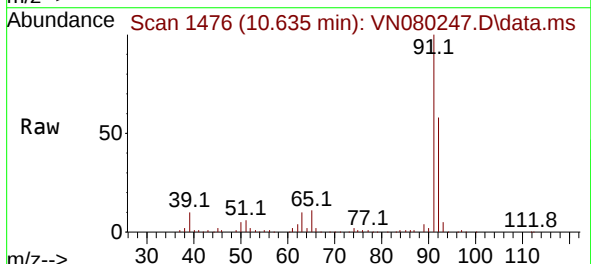
Manual Integrations
APPROVED

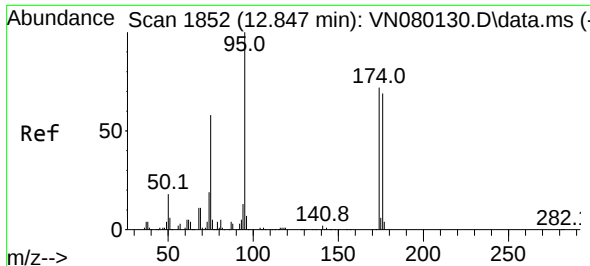
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#52
Toluene
Concen: 22.161 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Tgt Ion: 92 Resp: 124758
Ion Ratio Lower Upper
92 100
91 175.1 137.4 206.0





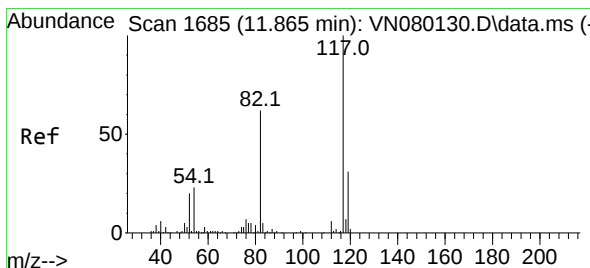
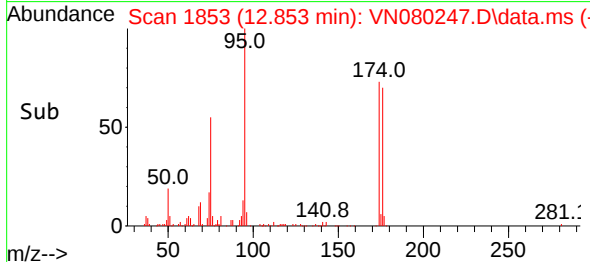
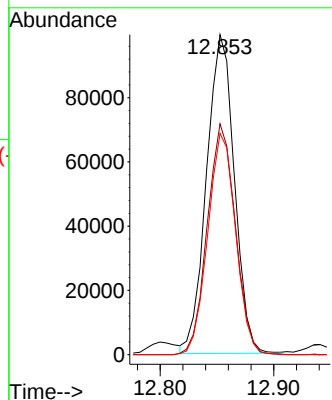
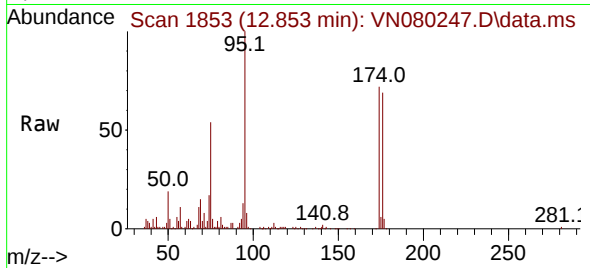
#62
4-Bromofluorobenzene
Concen: 56.845 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Instrument :
MSVOA_N
ClientSampleId :
1109

Tgt Ion: 95 Resp: 169200
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 69.3 0.0 135.8

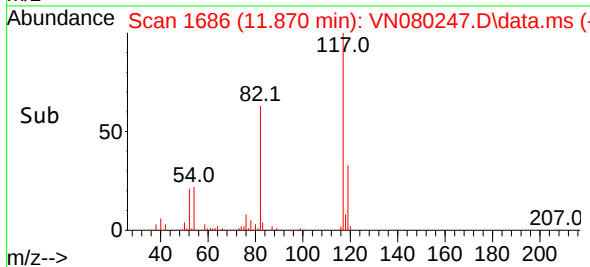
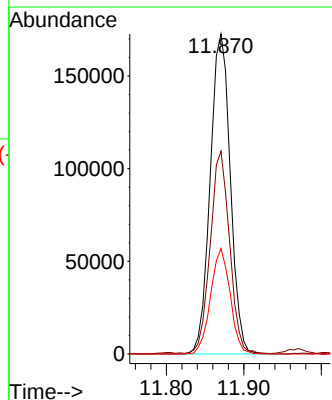
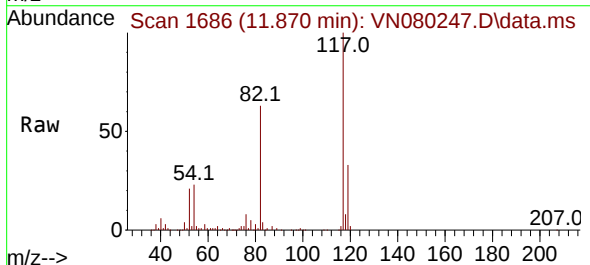
Manual Integrations
APPROVED

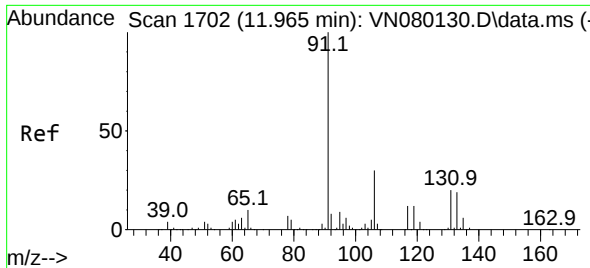
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

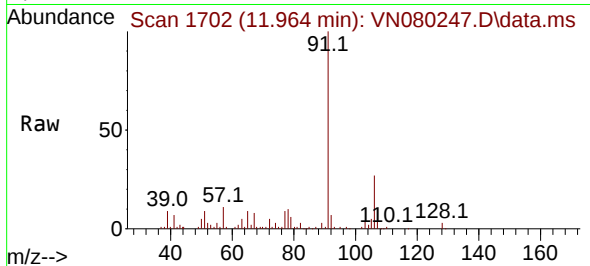
Tgt Ion:117 Resp: 311017
Ion Ratio Lower Upper
117 100
82 63.0 44.0 66.0
119 32.9 25.6 38.4





#67
Ethyl Benzene
Concen: 9.252 ug/l
RT: 11.964 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

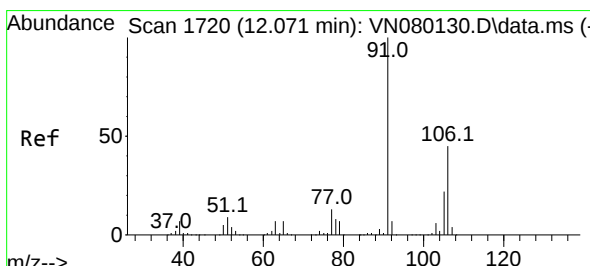
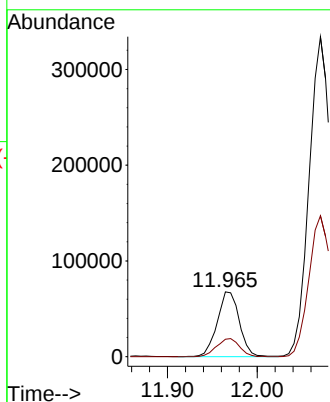
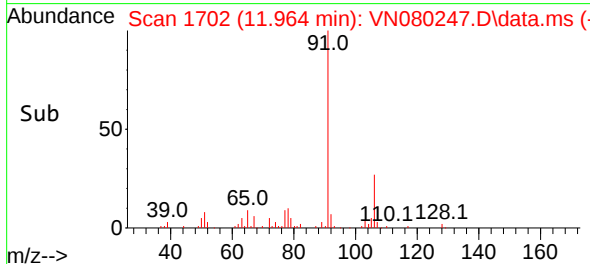
Instrument :
MSVOA_N
ClientSampleId :
1109



Tgt Ion: 91 Resp: 116029
Ion Ratio Lower Upper
91 100
106 27.0 25.6 38.4

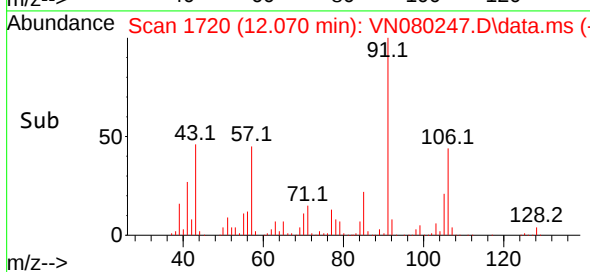
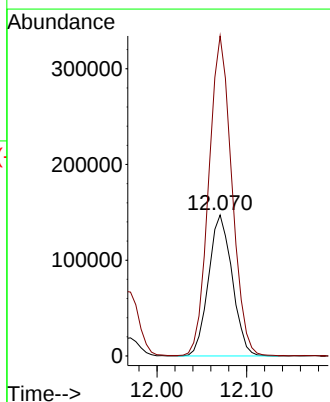
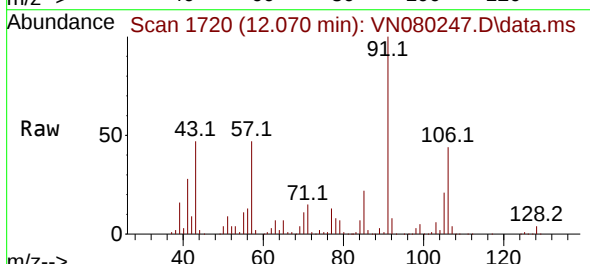
Manual Integrations
APPROVED

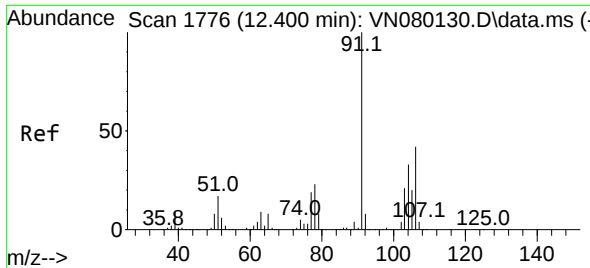
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#68
m/p-Xylenes
Concen: 58.972 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Tgt Ion:106 Resp: 269642
Ion Ratio Lower Upper
106 100
91 221.6 159.6 239.4





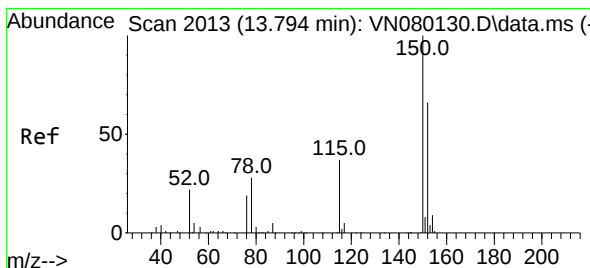
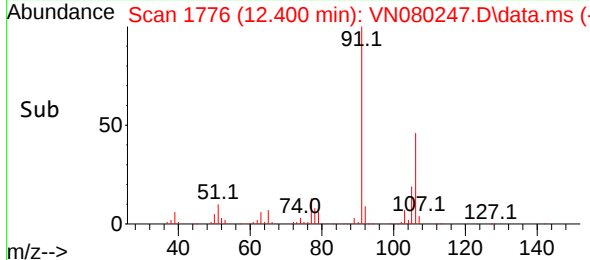
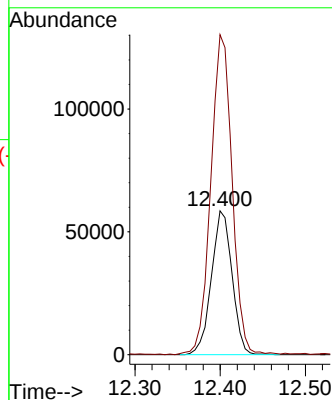
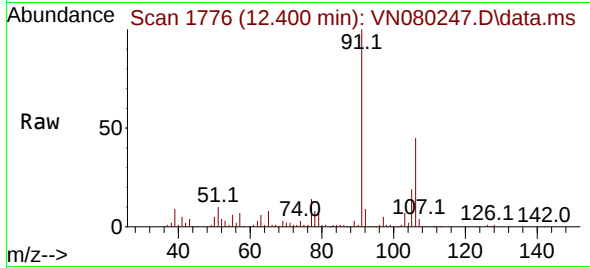
#69
o-Xylene
Concen: 22.856 ug/l
RT: 12.400 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Instrument :
MSVOA_N
ClientSampleId :
1109

Tgt Ion:106 Resp: 98489
Ion Ratio Lower Upper
106 100
91 229.8 105.2 315.5

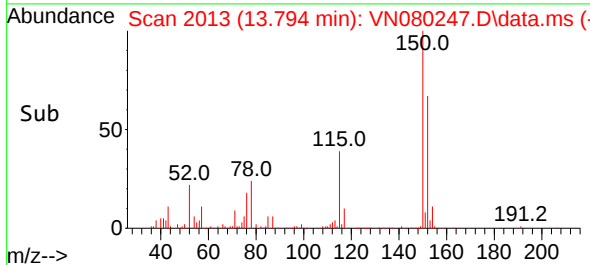
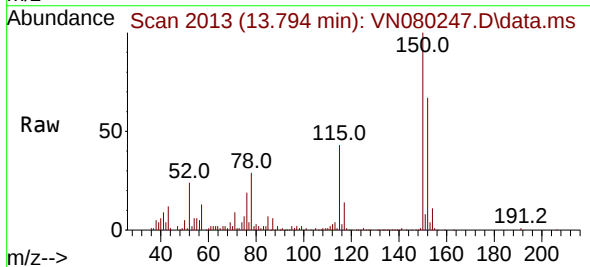
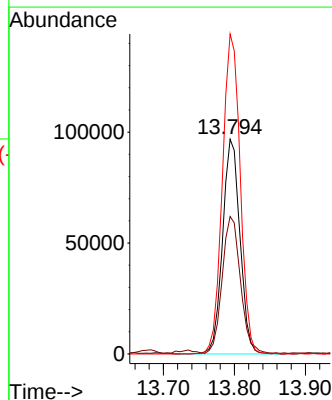
Manual Integrations
APPROVED

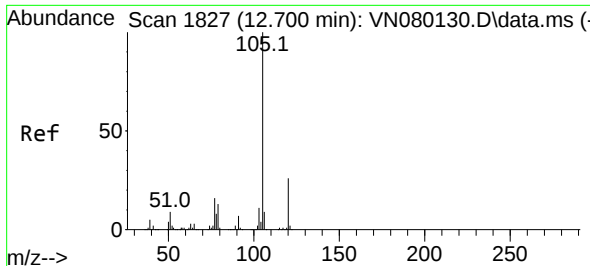
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

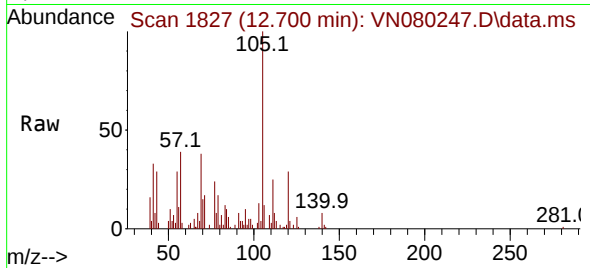
Tgt Ion:152 Resp: 164003
Ion Ratio Lower Upper
152 100
115 67.0 32.3 96.8
150 152.2 0.0 355.8





#73
Isopropylbenzene
Concen: 2.095 ug/l
RT: 12.700 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

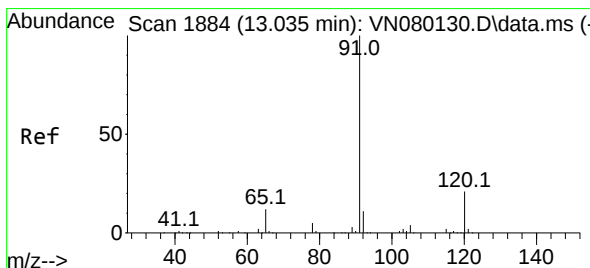
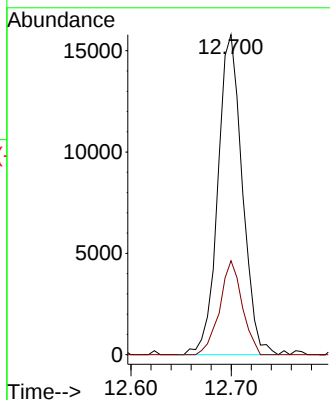
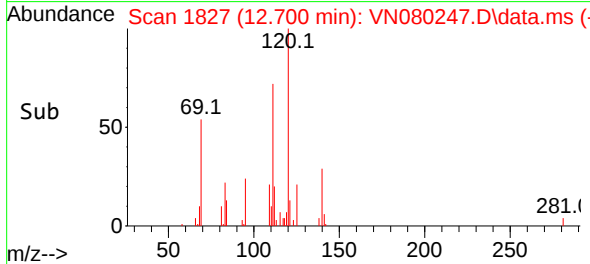
Instrument :
MSVOA_N
ClientSampleId :
1109



Tgt Ion:105 Resp: 2669
Ion Ratio Lower Upper
105 100
120 27.0 13.1 39.1

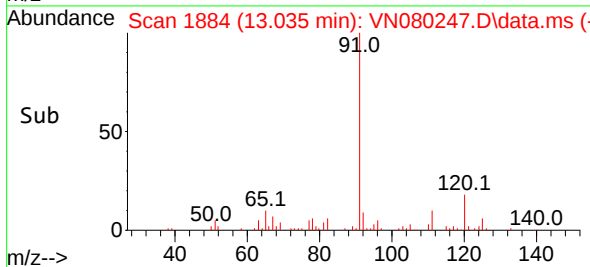
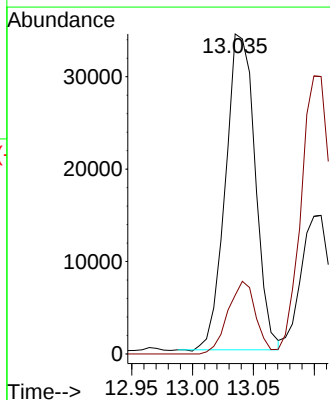
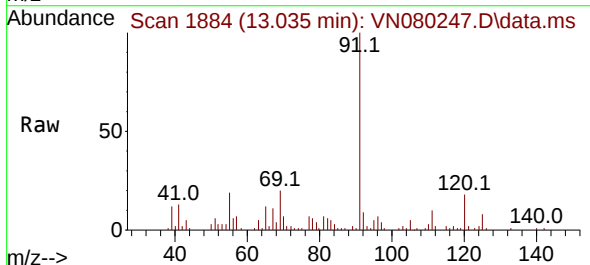
Manual Integrations
APPROVED

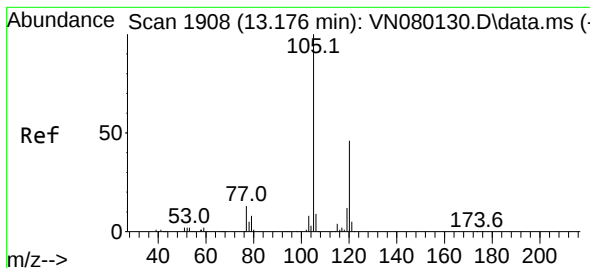
Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#78
n-propylbenzene
Concen: 4.066 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Tgt Ion: 91 Resp: 57946
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 14.238 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN080247.D

Acq: 22 Nov 2023 15:07

Instrument :

MSVOA_N

ClientSampleId :

1109

Tgt Ion:105 Resp: 157958

Ion Ratio Lower Upper

105 100

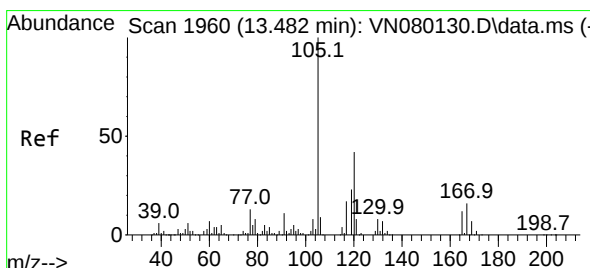
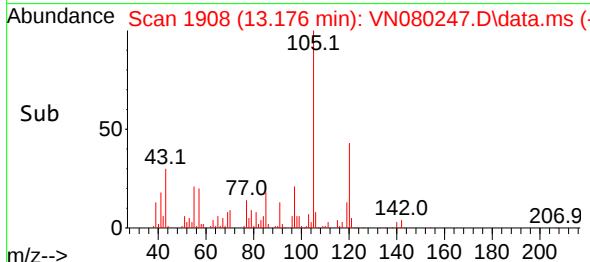
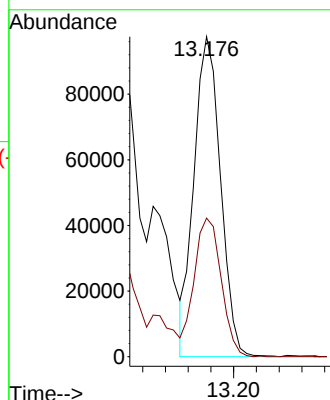
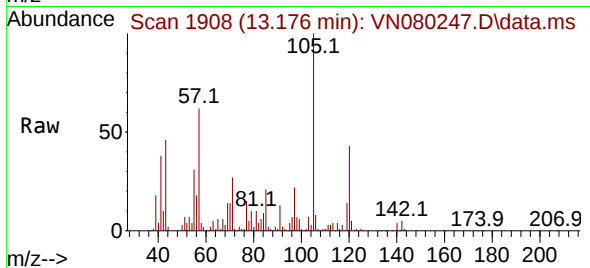
120 44.3 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/24/2023

Supervised By :Mahesh Dadoda 11/24/2023



#84

1,2,4-Trimethylbenzene

Concen: 29.538 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN080247.D

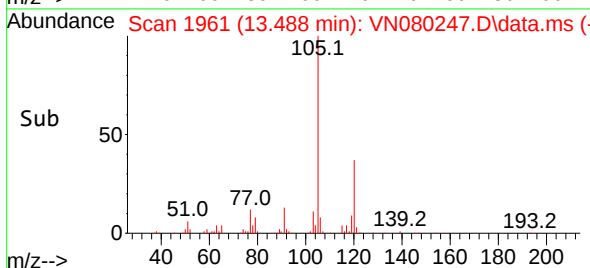
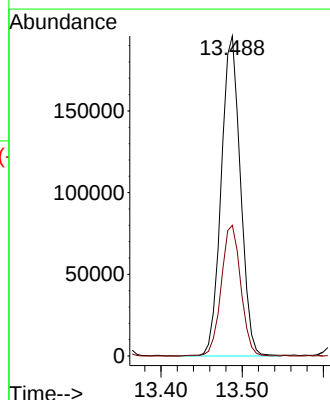
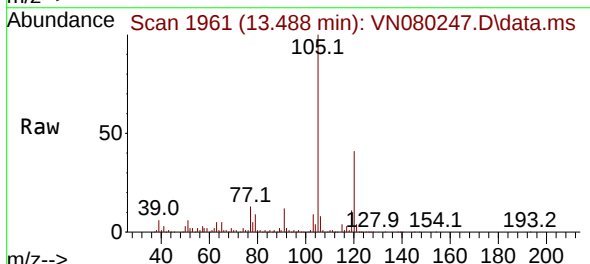
Acq: 22 Nov 2023 15:07

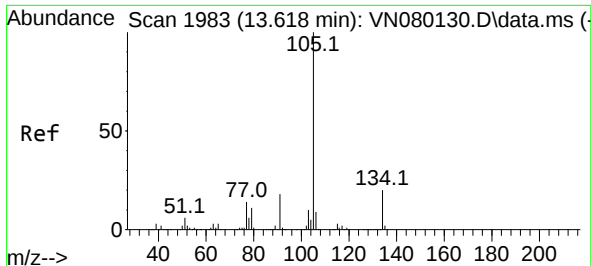
Tgt Ion:105 Resp: 322668

Ion Ratio Lower Upper

105 100

120 41.5 22.0 66.0





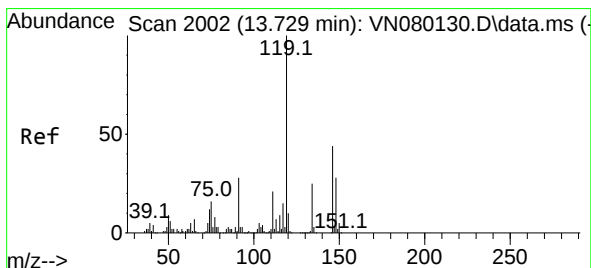
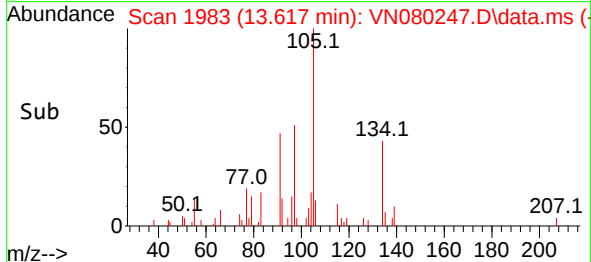
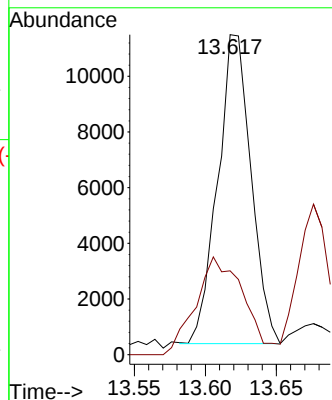
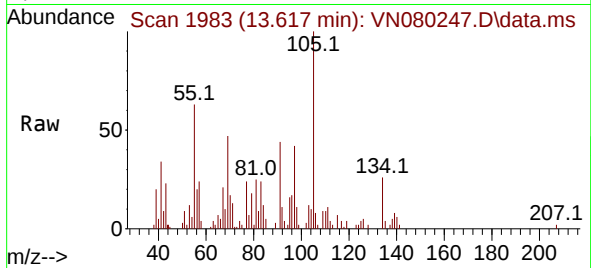
#85
 sec-Butylbenzene
 Concen: 1.612 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN080247.D
 Acq: 22 Nov 2023 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 1109

Tgt Ion:105 Resp: 1814
 Ion Ratio Lower Upper
 105 100
 134 45.7 9.8 29.3

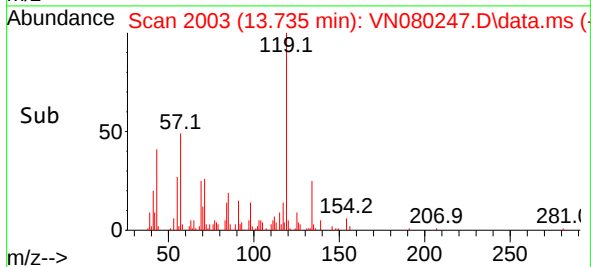
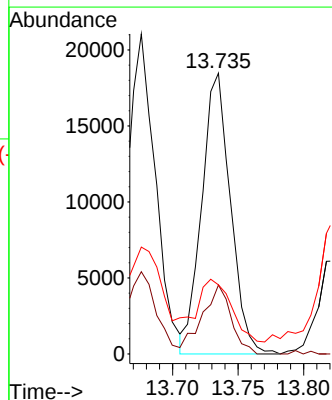
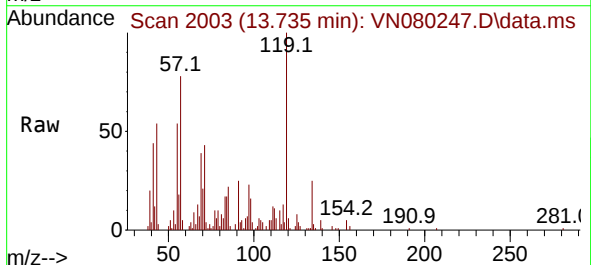
Manual Integrations
 APPROVED

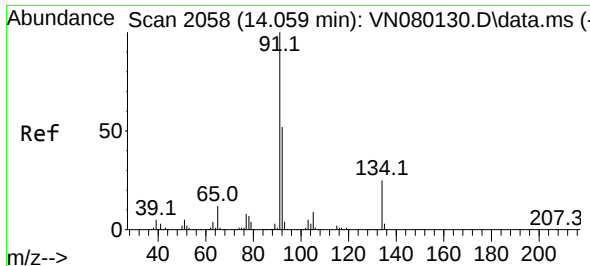
Reviewed By :John Carlone 11/24/2023
 Supervised By :Mahesh Dadoda 11/24/2023



#86
 p-Isopropyltoluene
 Concen: 2.808 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN080247.D
 Acq: 22 Nov 2023 15:07

Tgt Ion:119 Resp: 28232
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.6 37.8
 91 26.5 12.4 37.2





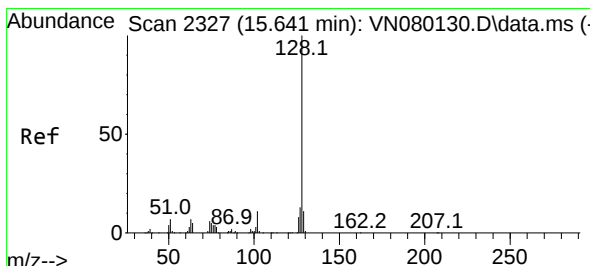
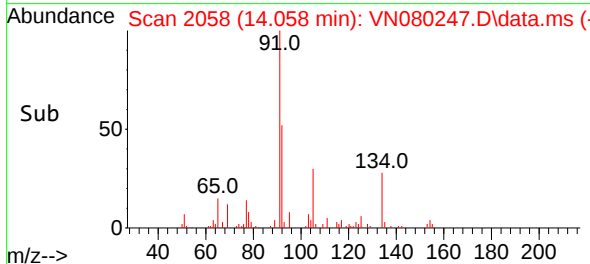
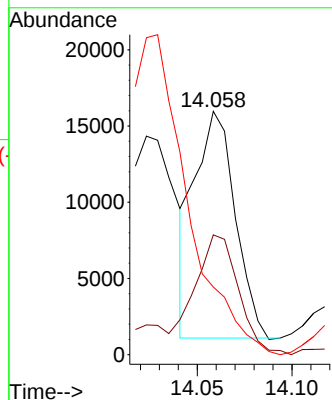
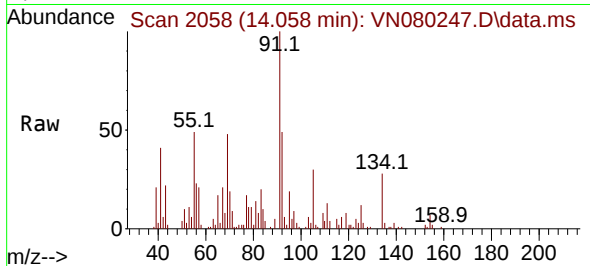
#89
n-Butylbenzene
Concen: 2.633 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Instrument :
MSVOA_N
ClientSampleId :
1109

Tgt Ion: 91 Resp: 22158
Ion Ratio Lower Upper
91 100
92 57.5 26.4 79.0
134 0.0 12.6 37.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/24/2023
Supervised By :Mahesh Dadoda 11/24/2023



#95
Naphthalene
Concen: 10.179 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080247.D
Acq: 22 Nov 2023 15:07

Tgt Ion:128 Resp: 95100
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 15.7 8.7 13.1#

