

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074968.D
 Acq On : 21 Oct 2022 17:48
 Operator : JC\MD
 Sample : N5222-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/04/2022
 Supervised By :Mahesh Dadoda 11/04/2022

Quant Time: Oct 22 02:55:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	704185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1274181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1339114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	1002316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	848065	45.328	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.660%		
35) Dibromofluoromethane	8.177	113	609458	40.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.380%		
50) Toluene-d8	10.571	98	2738549	47.064	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.120%		
62) 4-Bromofluorobenzene	12.847	95	1175238	57.258	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.520%		
Target Compounds					Qvalue	
16) Acetone	4.448	43	304359	36.071	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	581087	12.791	ug/l #	1
25) 2-Butanone	7.500	43	225843	19.815	ug/l	97
31) Cyclohexane	8.265	56	704420	36.851	ug/l #	92
39) Methylcyclohexane	9.606	83	1143846	50.546	ug/l	98
40) Benzene	8.600	78	27416622m	465.610	ug/l	
52) Toluene	10.635	92	1472175	38.315	ug/l	100
55) 1,1,2-Trichloroethane	11.006	97	225341	13.976	ug/l #	22
64) Tetrachloroethene	11.106	164	2712	0.248	ug/l	92
67) Ethyl Benzene	11.959	91	19640240	273.190	ug/l #	68
68) m/p-Xylenes	12.076	106	15852343	565.513	ug/l #	1
69) o-Xylene	12.400	106	4086817	145.540	ug/l	99
73) Isopropylbenzene	12.700	105	1675003	20.459	ug/l	99
78) n-propylbenzene	13.035	91	3283114	34.264	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	3191923	45.136	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	18825097m	263.558	ug/l	
85) sec-Butylbenzene	13.618	105	280630m	3.194	ug/l	
86) p-Isopropyltoluene	13.729	119	189371	2.617	ug/l #	76
89) n-Butylbenzene	14.059	91	244480m	3.956	ug/l	

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

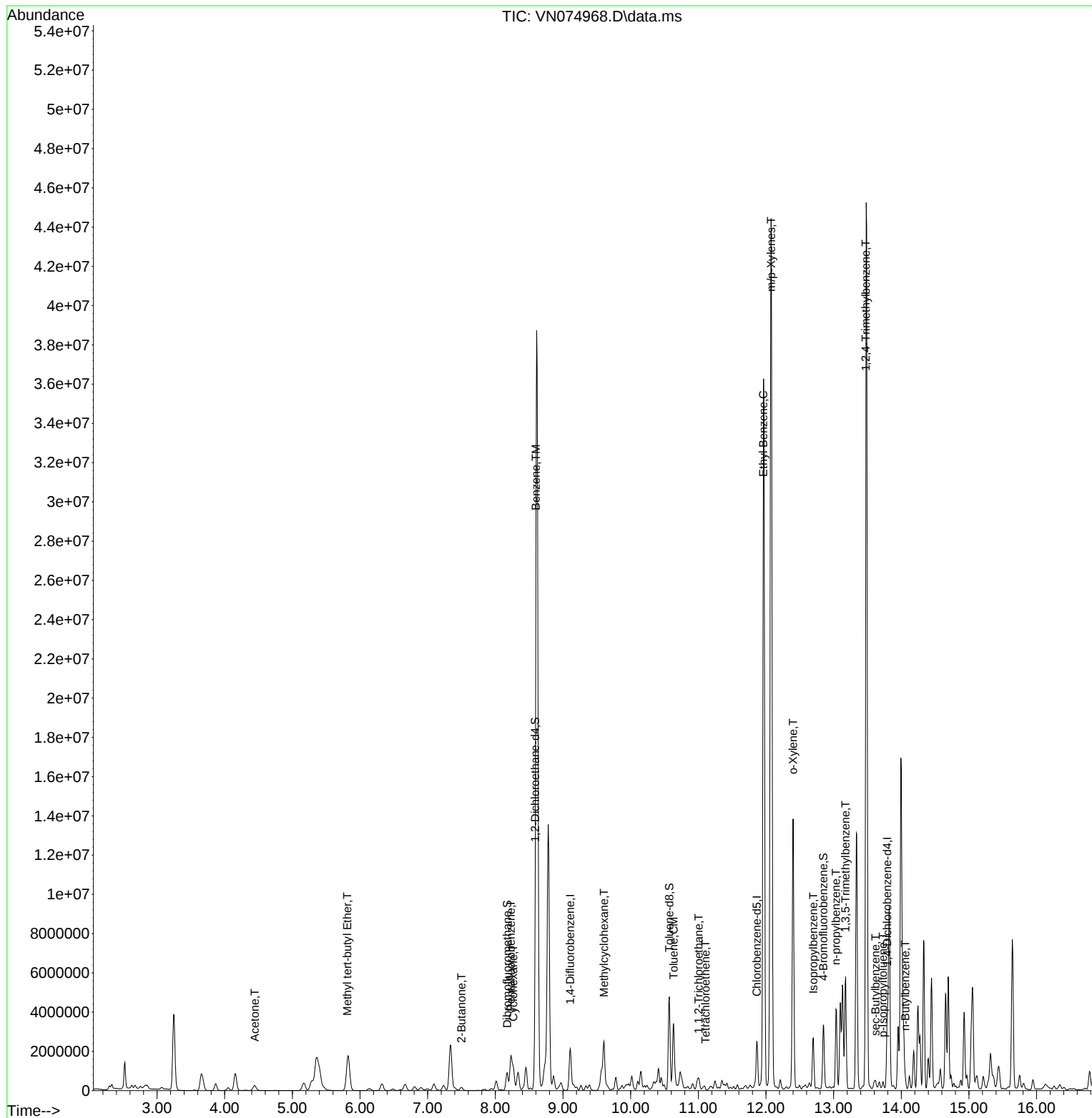
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
Data File : VN074968.D
Acq On : 21 Oct 2022 17:48
Operator : JC\MD
Sample : N5222-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

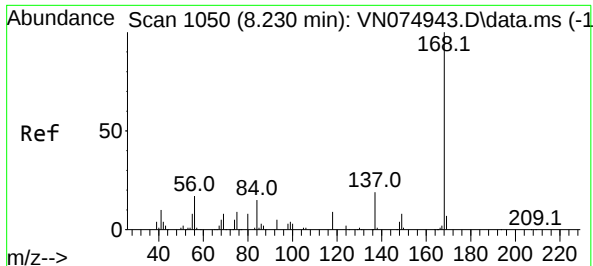
Instrument :
MSVOA_N
ClientSampleId :
MW-6

Quant Time: Oct 22 02:55:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 21 09:37:47 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

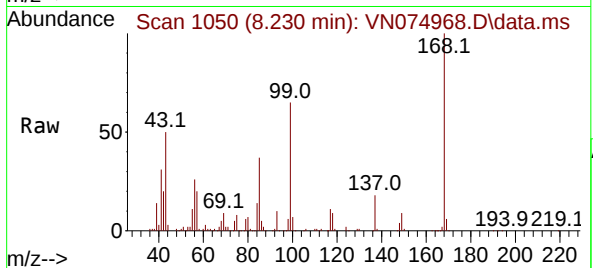
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

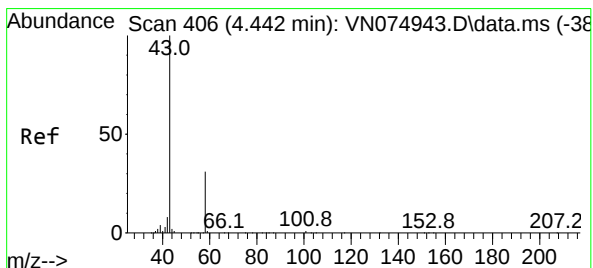
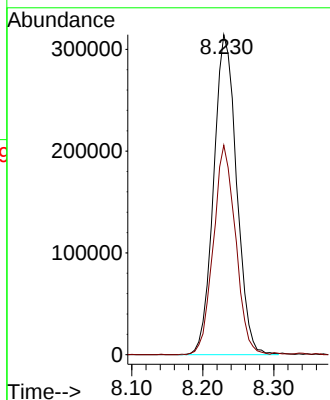
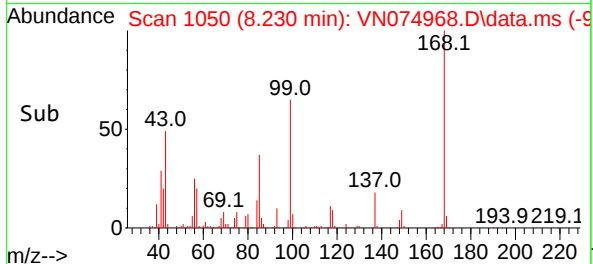
Instrument :
MSVOA_N
ClientSampleId :
MW-6



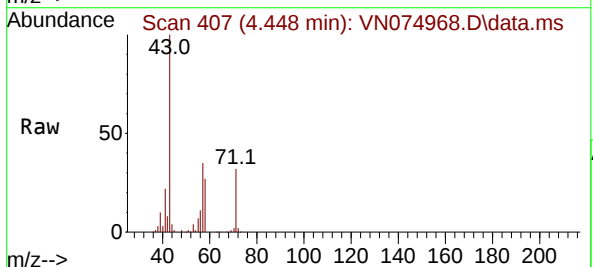
Tgt Ion:168 Resp: 70418
Ion Ratio Lower Upper
168 100
99 65.5 52.2 78.4

Manual Integrations
APPROVED

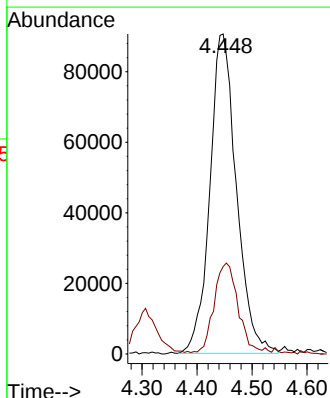
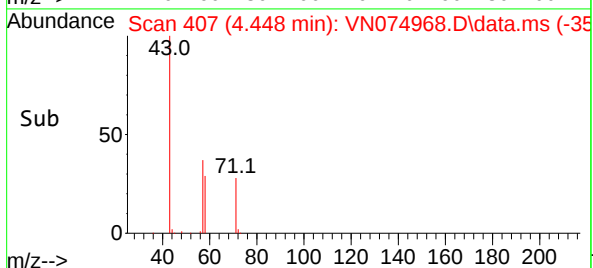
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

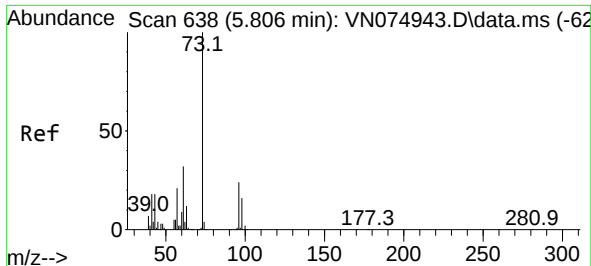


#16
Acetone
Concen: 36.071 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48



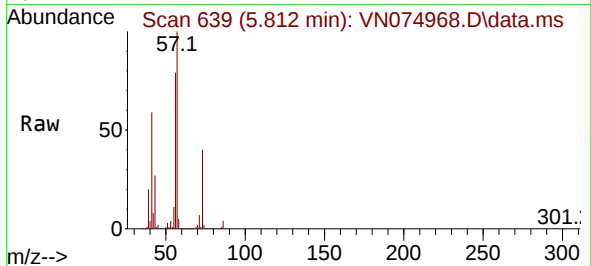
Tgt Ion: 43 Resp: 304359
Ion Ratio Lower Upper
43 100
58 26.6 25.7 38.5





#19
Methyl tert-butyl Ether
Concen: 12.791 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

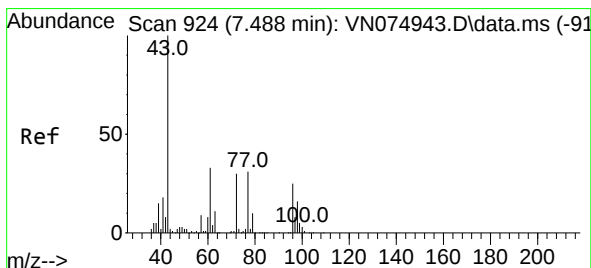
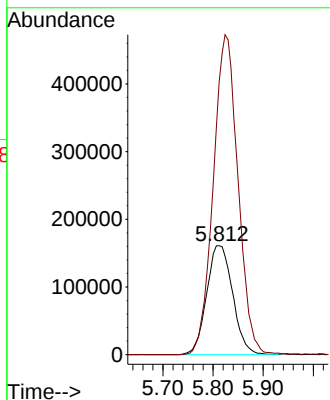
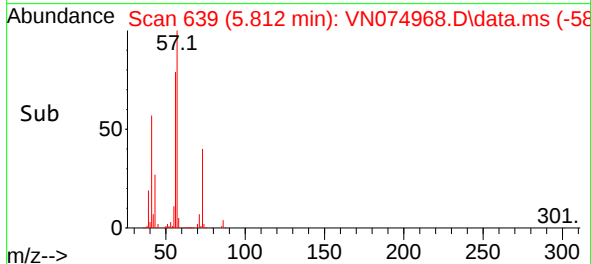
Instrument :
MSVOA_N
ClientSampleId :
MW-6



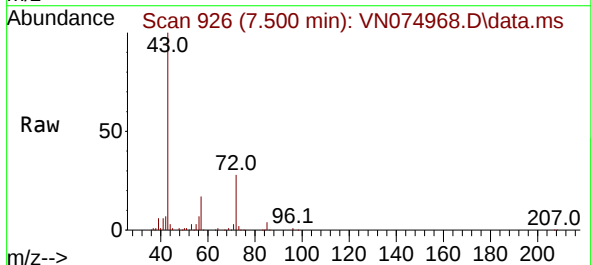
Tgt Ion: 73 Resp: 58108
Ion Ratio Lower Upper
73 100
57 250.1 16.9 25.3

Manual Integrations
APPROVED

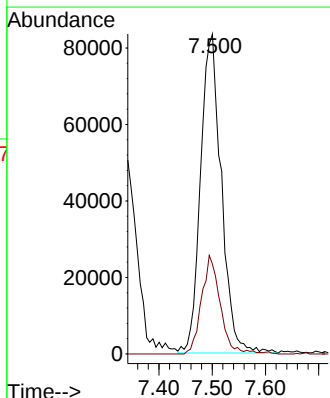
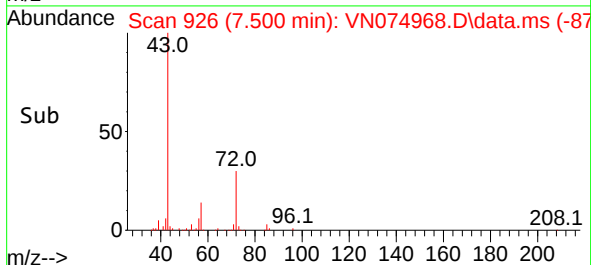
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

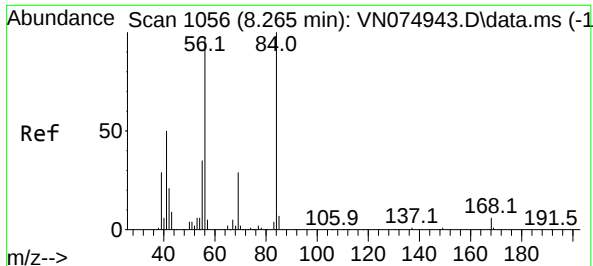


#25
2-Butanone
Concen: 19.815 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48



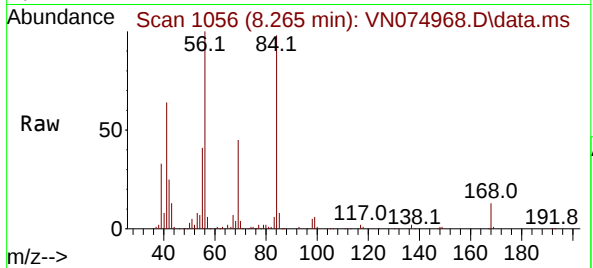
Tgt Ion: 43 Resp: 225843
Ion Ratio Lower Upper
43 100
72 28.2 23.9 35.9





#31
Cyclohexane
Concen: 36.851 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

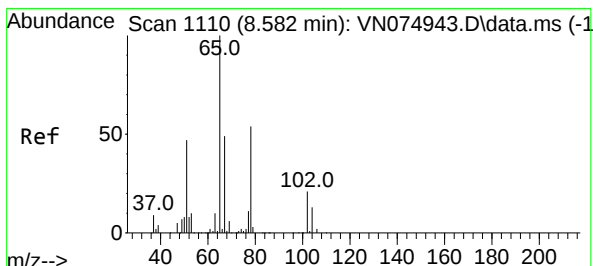
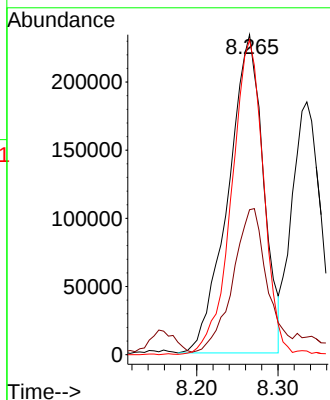
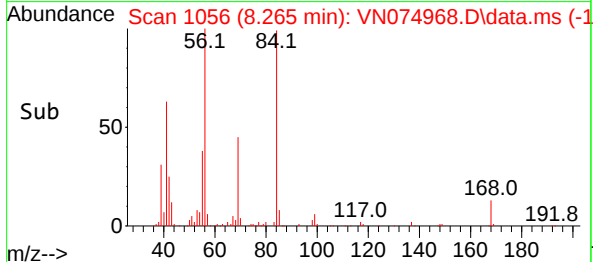
Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion: 56 Resp: 704420
Ion Ratio Lower Upper
56 100
69 41.6 24.2 36.2
84 98.8 82.8 124.2

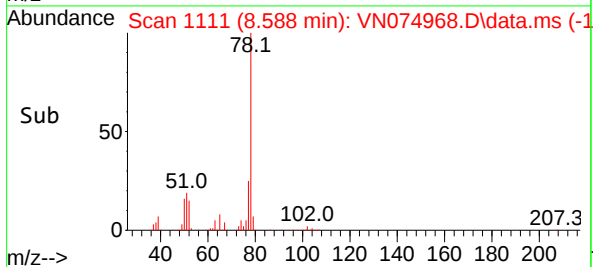
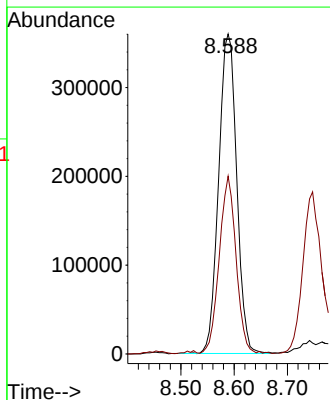
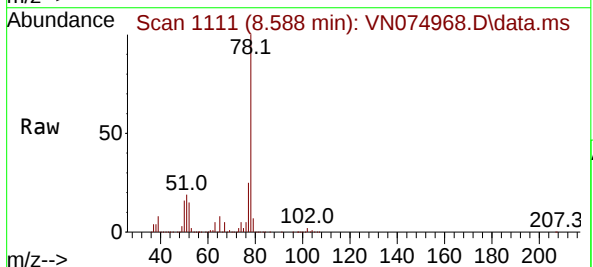
Manual Integrations
APPROVED

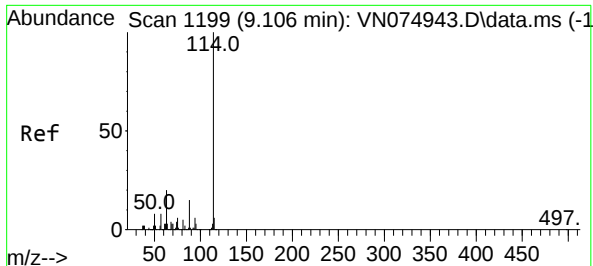
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#33
1,2-Dichloroethane-d4
Concen: 45.328 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

Tgt Ion: 65 Resp: 848065
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074968.D

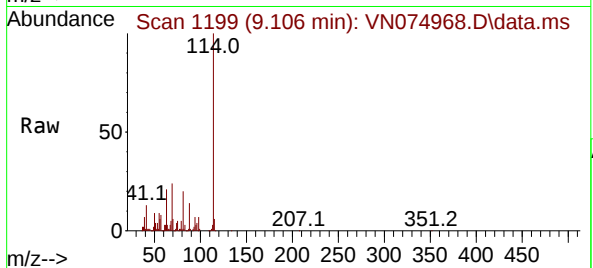
Acq: 21 Oct 2022 17:48

Instrument :

MSVOA_N

ClientSampleId :

MW-6



Tgt Ion:114 Resp: 127418

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.8

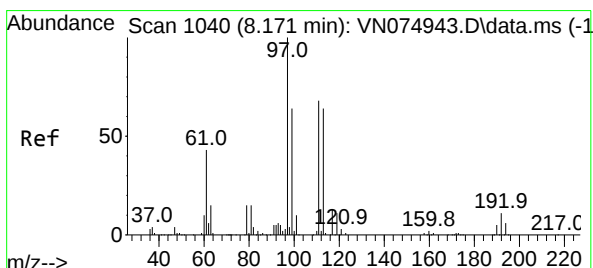
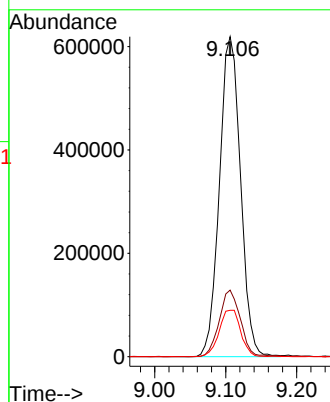
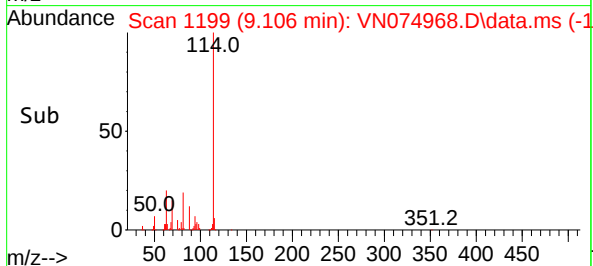
88 14.5 0.0 30.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/04/2022

Supervised By :Mahesh Dadoda 11/04/2022



#35

Dibromofluoromethane

Concen: 40.186 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074968.D

Acq: 21 Oct 2022 17:48

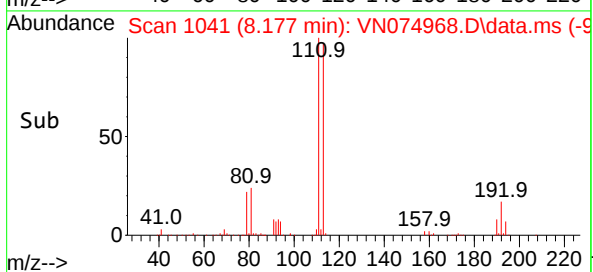
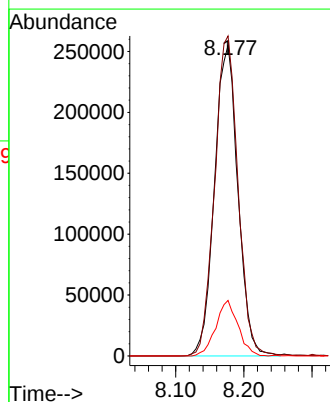
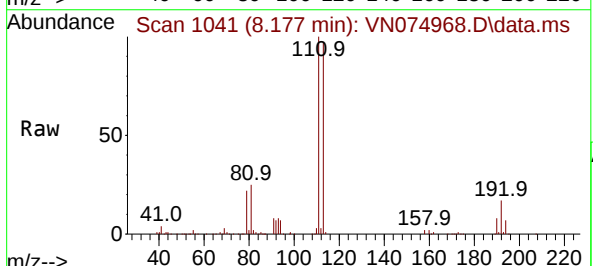
Tgt Ion:113 Resp: 609458

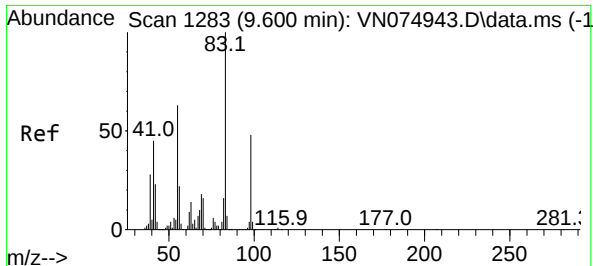
Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

192 17.0 13.3 19.9





#39

Methylcyclohexane

Concen: 50.546 ug/l

RT: 9.606 min Scan# 1113

Delta R.T. 0.006 min

Lab File: VN074968.D

Acq: 21 Oct 2022 17:48

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tgt Ion: 83 Resp: 114384

Ion Ratio Lower Upper

83 100

55 65.3 50.8 76.2

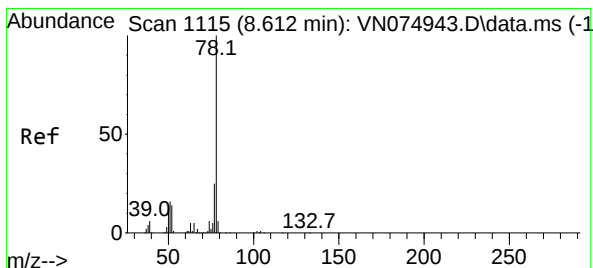
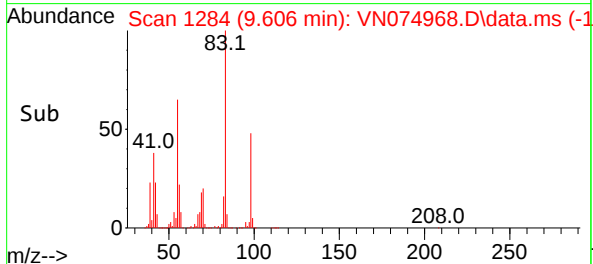
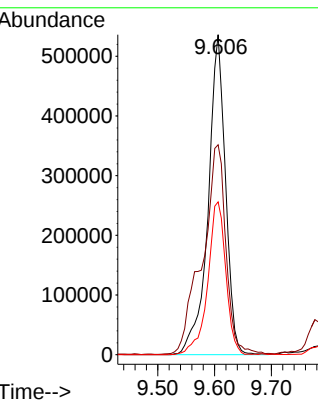
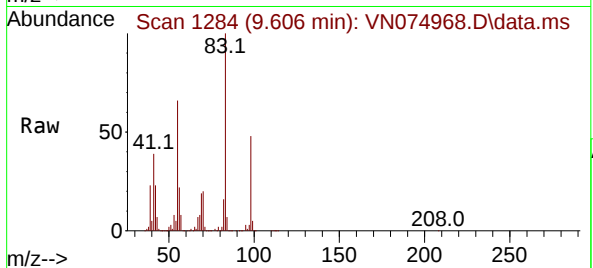
98 47.7 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/04/2022

Supervised By :Mahesh Dadoda 11/04/2022



#40

Benzene

Concen: 465.610 ug/l m

RT: 8.600 min Scan# 1113

Delta R.T. -0.012 min

Lab File: VN074968.D

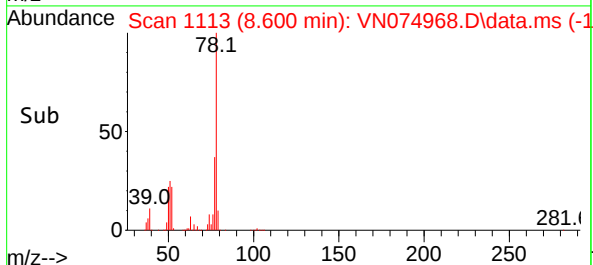
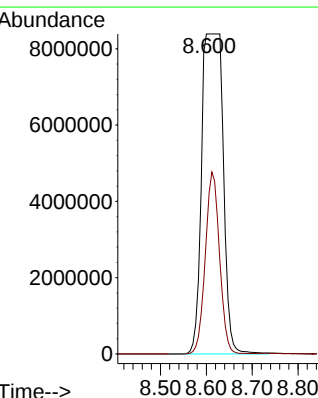
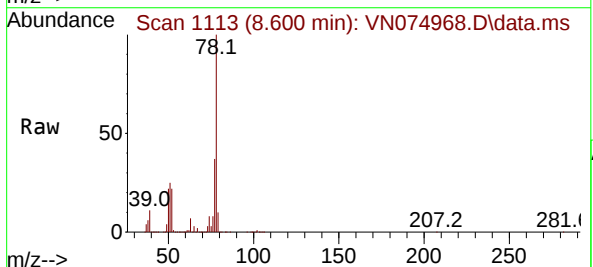
Acq: 21 Oct 2022 17:48

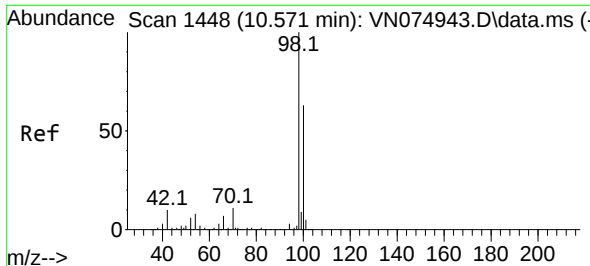
Tgt Ion: 78 Resp:27416622

Ion Ratio Lower Upper

78 100

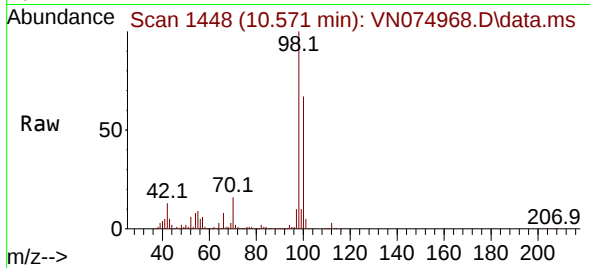
77 36.8 19.6 29.4#





#50
Toluene-d8
Concen: 47.064 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

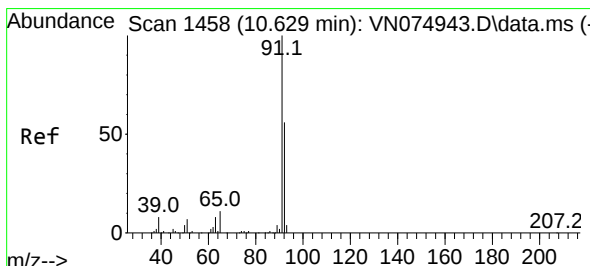
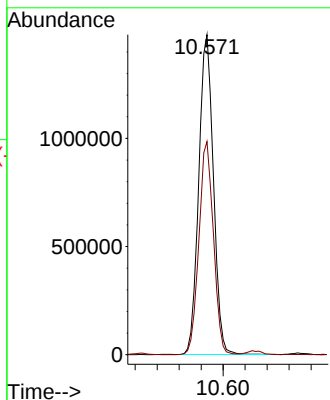
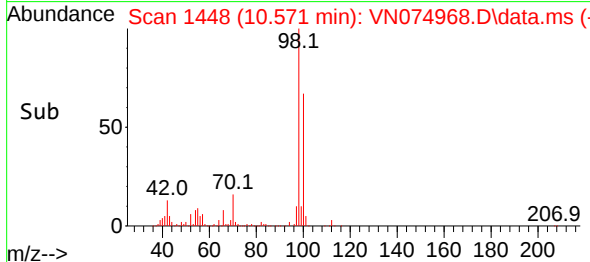
Instrument :
MSVOA_N
ClientSampleId :
MW-6



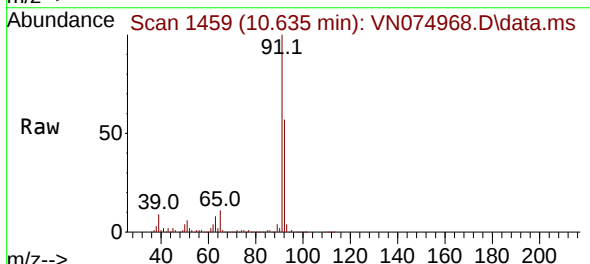
Tgt Ion: 98 Resp: 2738549
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2

Manual Integrations
APPROVED

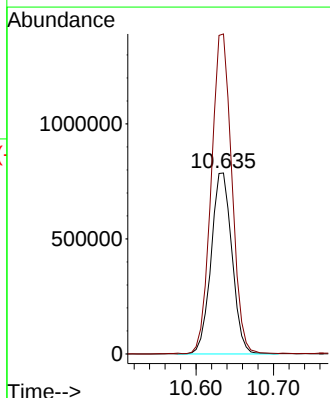
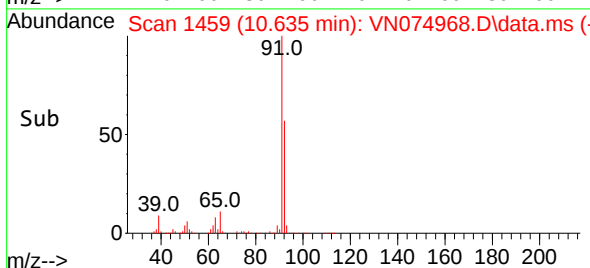
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022

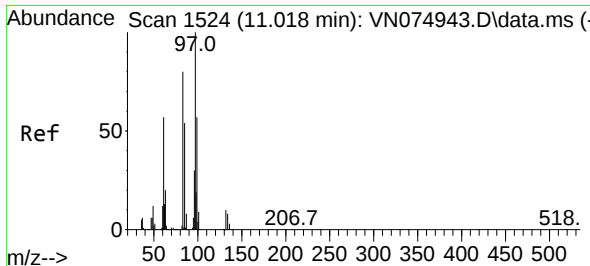


#52
Toluene
Concen: 38.315 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48



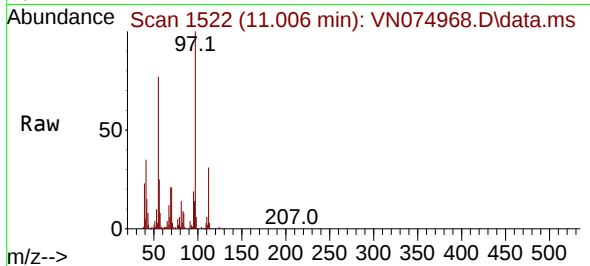
Tgt Ion: 92 Resp: 1472175
Ion Ratio Lower Upper
92 100
91 174.6 139.2 208.8





#55
1,1,2-Trichloroethane
Concen: 13.976 ug/l
RT: 11.006 min Scan# 1522
Delta R.T. -0.012 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

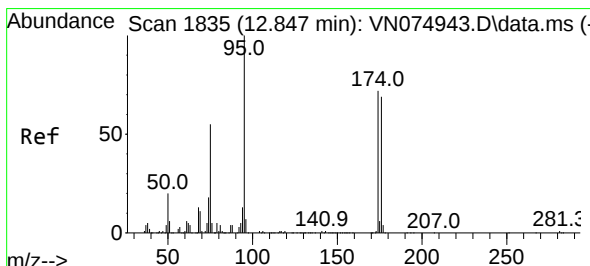
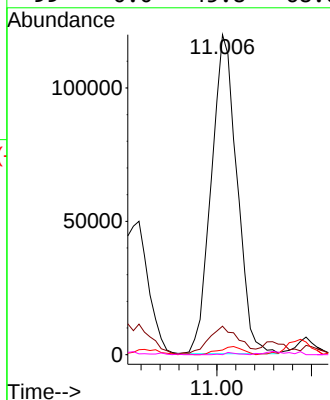
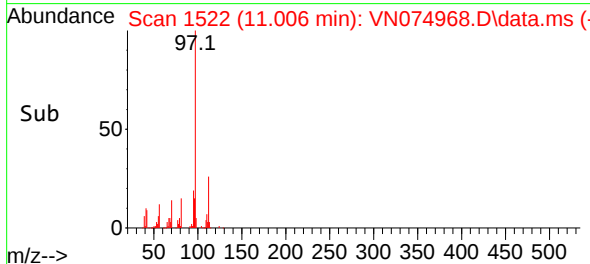
Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion: 97 Resp: 22534
Ion Ratio Lower Upper
97 100
83 8.7 64.2 96.4
85 1.5 43.3 64.9
99 0.0 45.8 68.6#

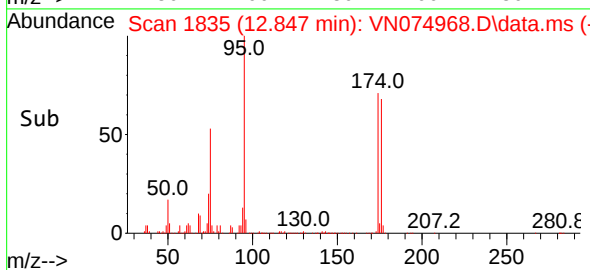
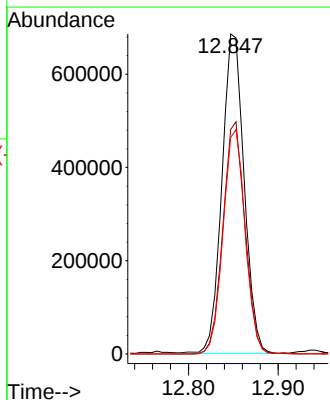
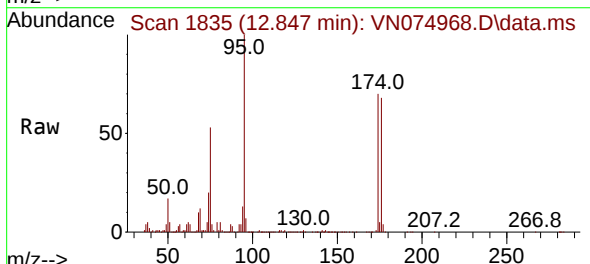
Manual Integrations
APPROVED

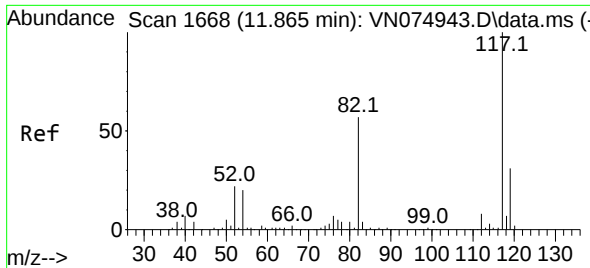
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#62
4-Bromofluorobenzene
Concen: 57.258 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

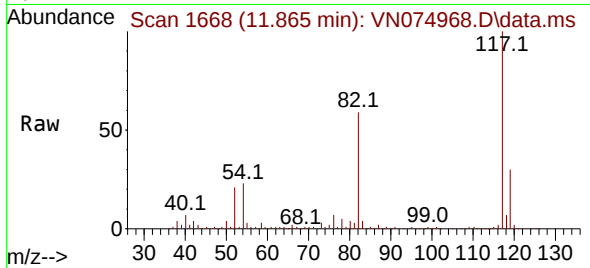
Tgt Ion: 95 Resp: 1175238
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.0
176 69.7 0.0 138.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

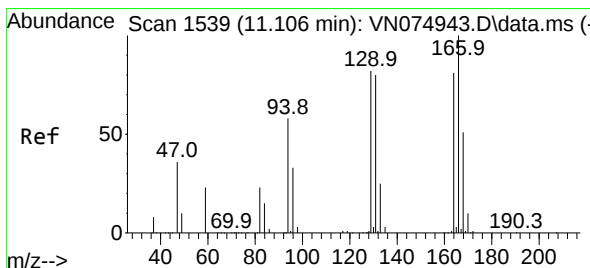
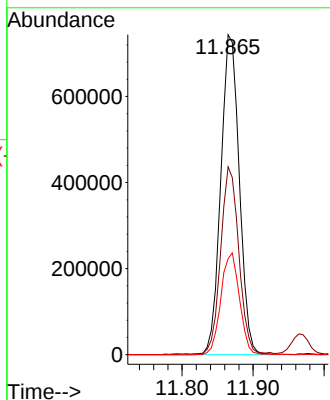
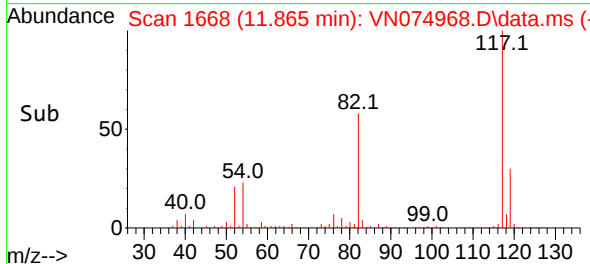
Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion:117 Resp: 1339114
Ion Ratio Lower Upper
117 100
82 58.4 45.6 68.4
119 30.0 25.1 37.7

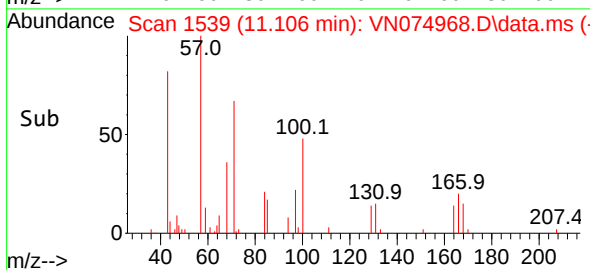
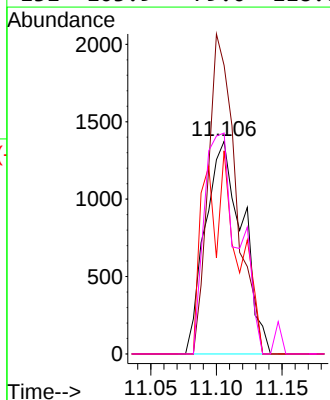
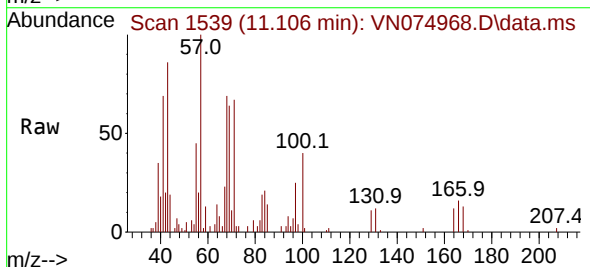
Manual Integrations
APPROVED

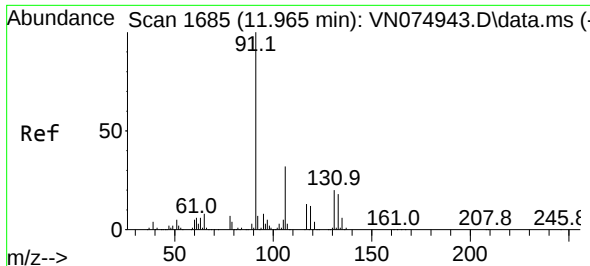
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#64
Tetrachloroethene
Concen: 0.248 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

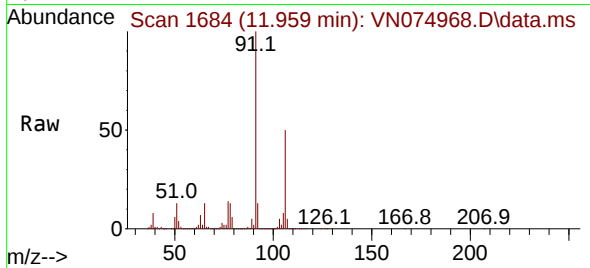
Tgt Ion:164 Resp: 2712
Ion Ratio Lower Upper
164 100
166 135.6 98.6 148.0
129 95.6 81.2 121.8
131 103.9 79.0 118.6





#67
Ethyl Benzene
Concen: 273.190 ug/l
RT: 11.959 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

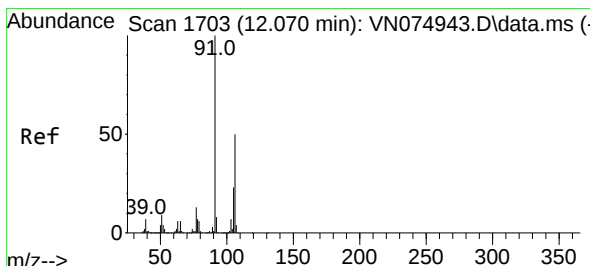
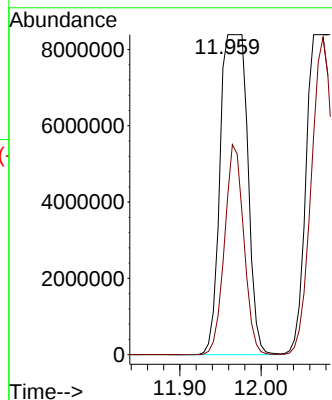
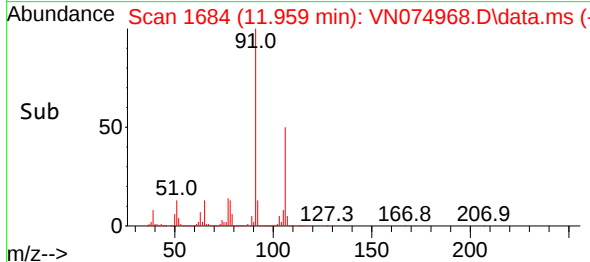
Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion: 91 Resp:19640240
Ion Ratio Lower Upper
91 100
106 49.6 25.4 38.2

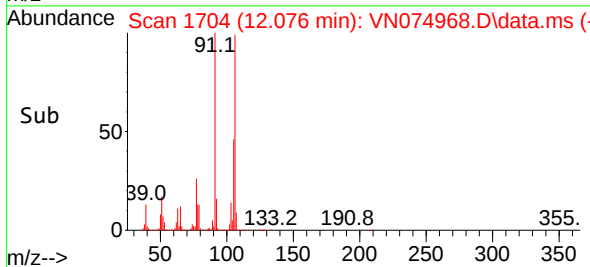
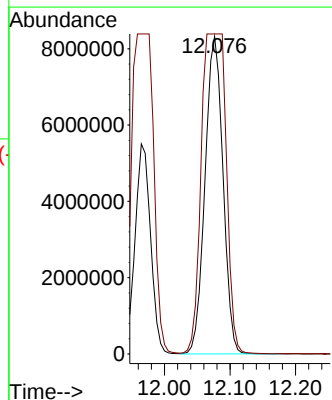
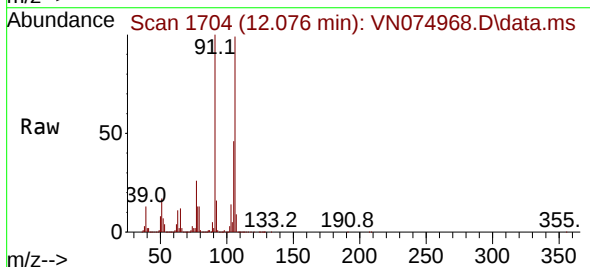
Manual Integrations
APPROVED

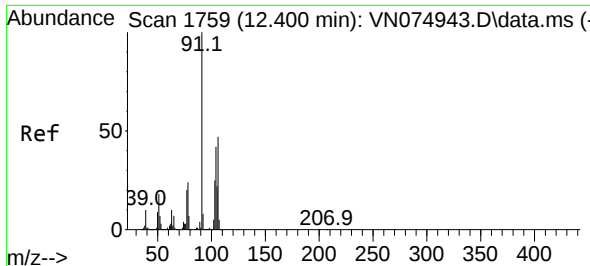
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#68
m/p-Xylenes
Concen: 565.513 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

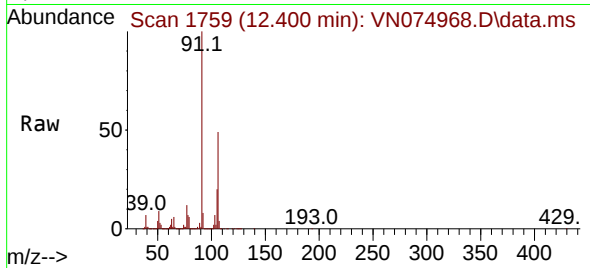
Tgt Ion:106 Resp:15852343
Ion Ratio Lower Upper
106 100
91 0.0 159.7 239.5





#69
o-Xylene
Concen: 145.540 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

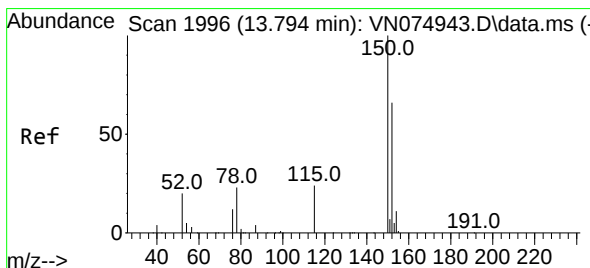
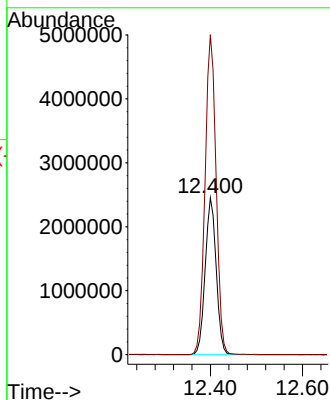
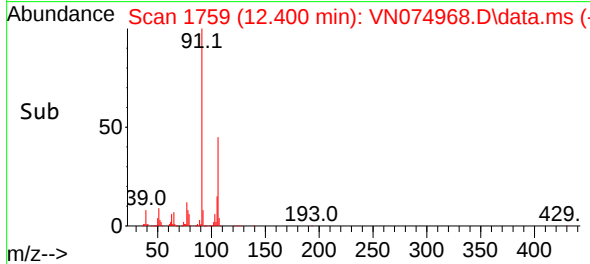
Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion:106 Resp: 408681
Ion Ratio Lower Upper
106 100
91 205.2 103.6 310.7

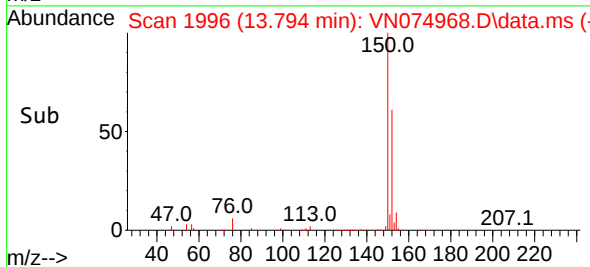
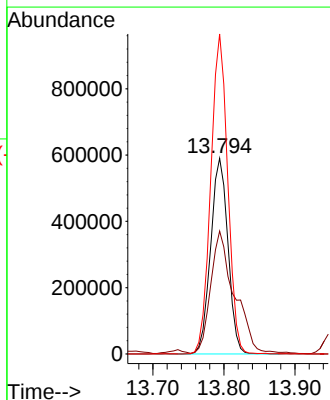
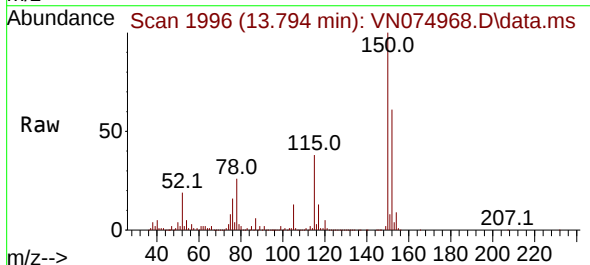
Manual Integrations
APPROVED

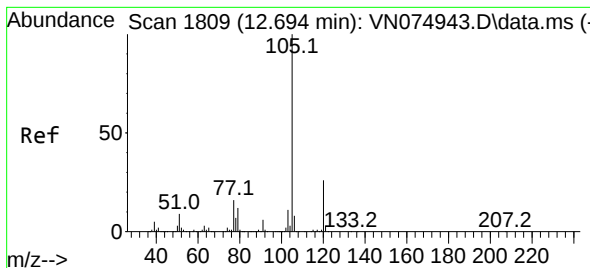
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

Tgt Ion:152 Resp: 1002316
Ion Ratio Lower Upper
152 100
115 86.2 31.3 93.8
150 159.8 0.0 349.6





#73

Isopropylbenzene

Concen: 20.459 ug/l

RT: 12.700 min Scan# 1810

Delta R.T. 0.006 min

Lab File: VN074968.D

Acq: 21 Oct 2022 17:48

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tgt Ion:105 Resp: 167500

Ion Ratio Lower Upper

105 100

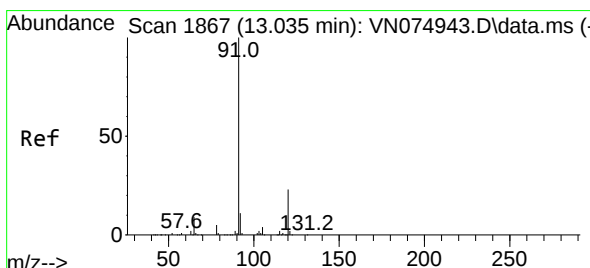
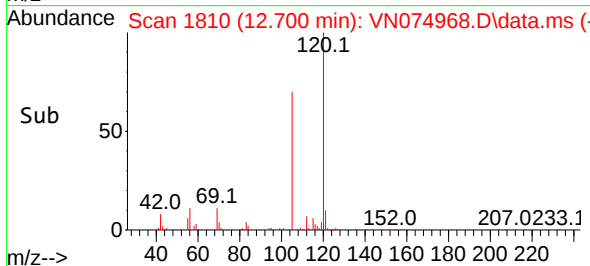
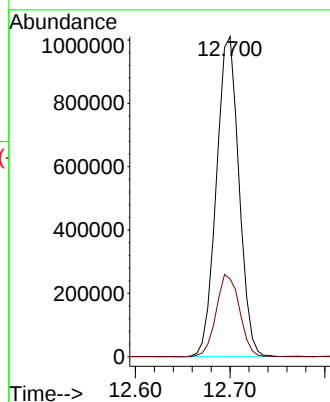
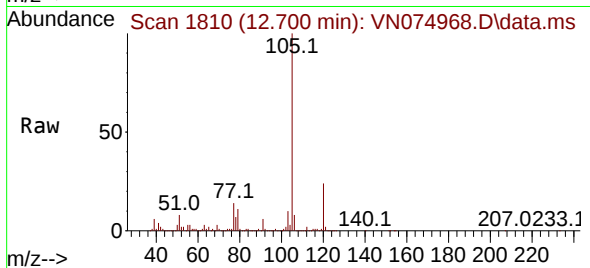
120 26.6 13.5 40.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/04/2022

Supervised By :Mahesh Dadoda 11/04/2022



#78

n-propylbenzene

Concen: 34.264 ug/l

RT: 13.035 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN074968.D

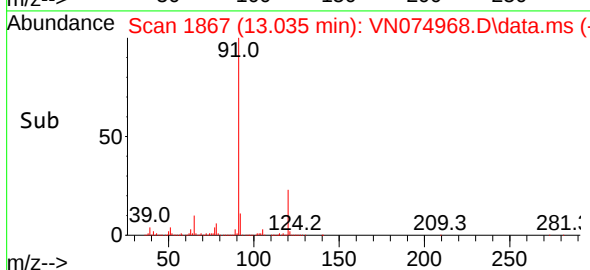
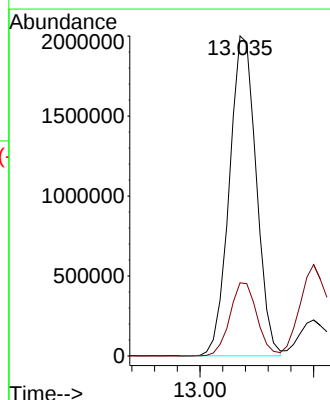
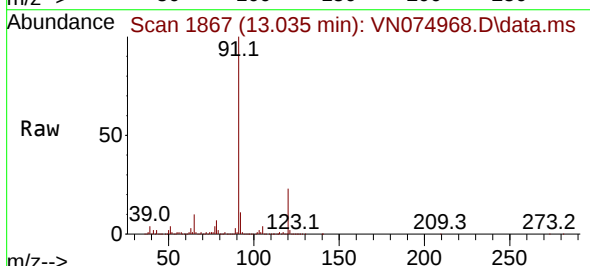
Acq: 21 Oct 2022 17:48

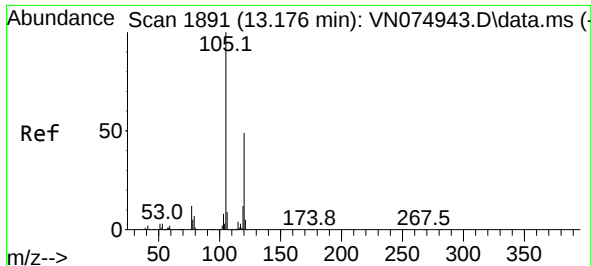
Tgt Ion: 91 Resp: 3283114

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4





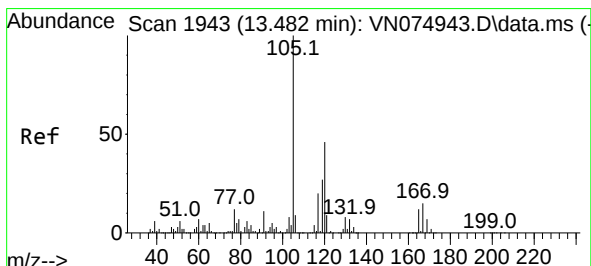
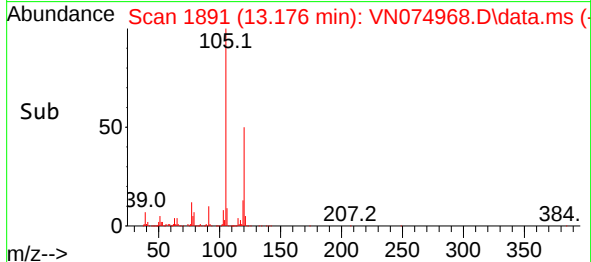
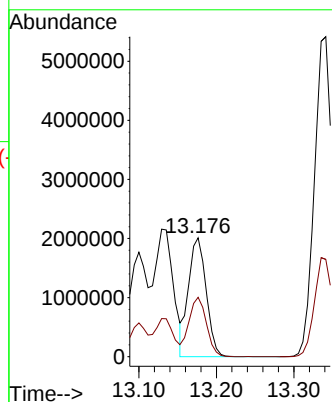
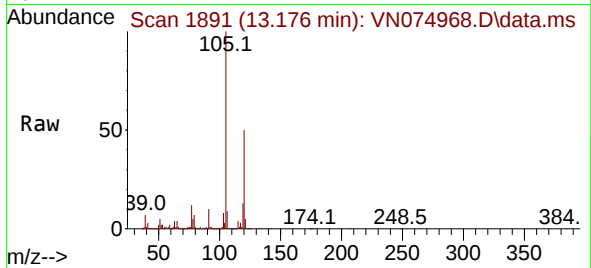
#80
1,3,5-Trimethylbenzene
Concen: 45.136 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Tgt Ion:105 Resp: 319192
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.9

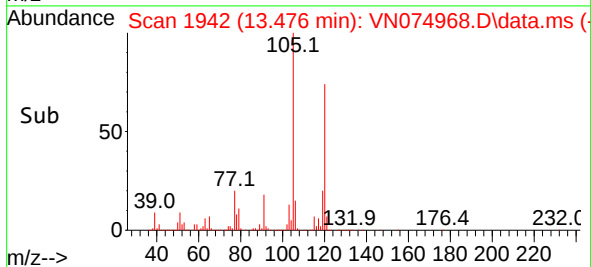
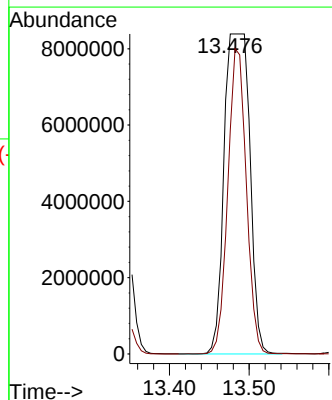
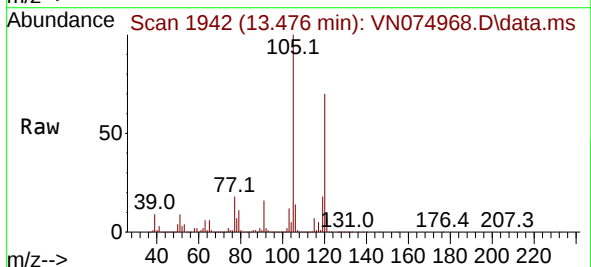
Manual Integrations
APPROVED

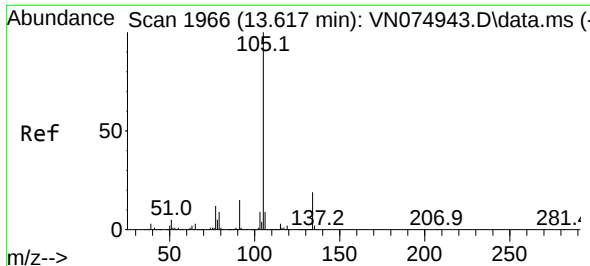
Reviewed By :Krupa Patel 11/04/2022
Supervised By :Mahesh Dadoda 11/04/2022



#84
1,2,4-Trimethylbenzene
Concen: 263.558 ug/l m
RT: 13.476 min Scan# 1942
Delta R.T. -0.006 min
Lab File: VN074968.D
Acq: 21 Oct 2022 17:48

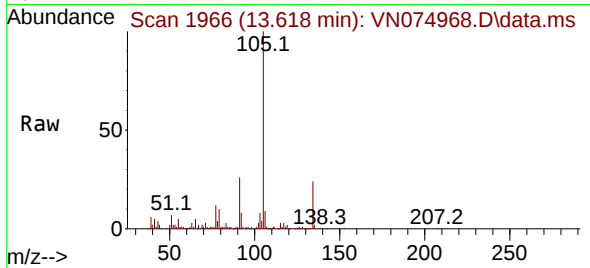
Tgt Ion:105 Resp:18825097
Ion Ratio Lower Upper
105 100
120 14.5 22.9 68.5#





#85
 sec-Butylbenzene
 Concen: 3.194 ug/l m
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN074968.D
 Acq: 21 Oct 2022 17:48

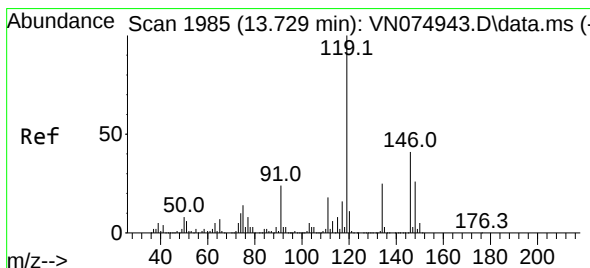
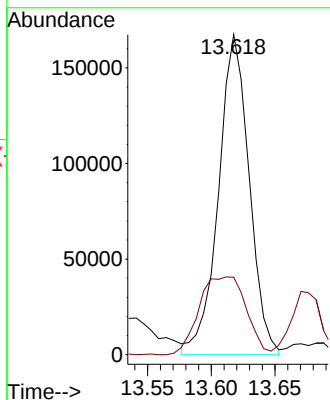
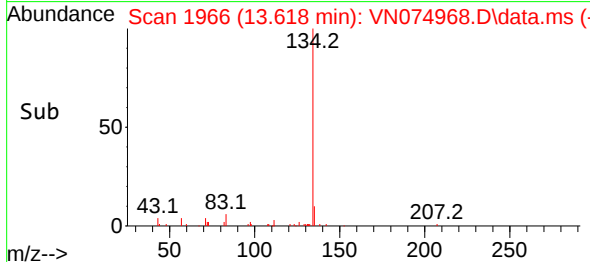
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6



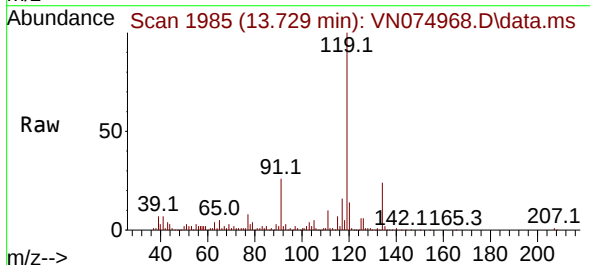
Tgt Ion:105 Resp: 280630
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1

Manual Integrations
 APPROVED

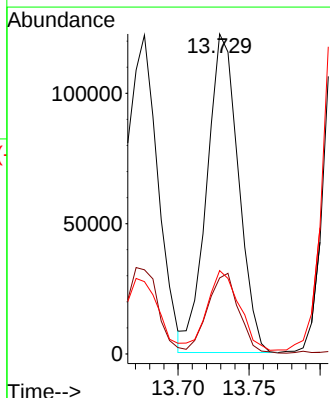
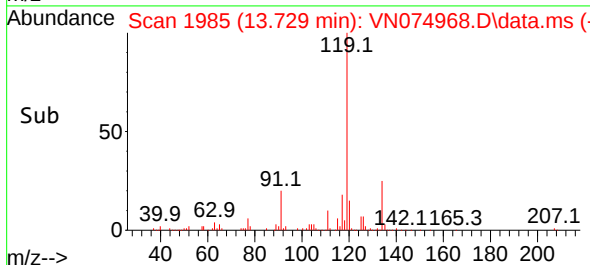
Reviewed By :Krupa Patel 11/04/2022
 Supervised By :Mahesh Dadoda 11/04/2022

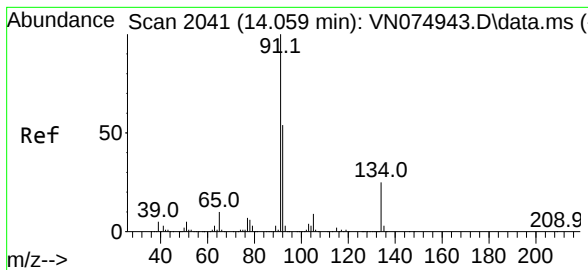


#86
 p-Isopropyltoluene
 Concen: 2.617 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN074968.D
 Acq: 21 Oct 2022 17:48



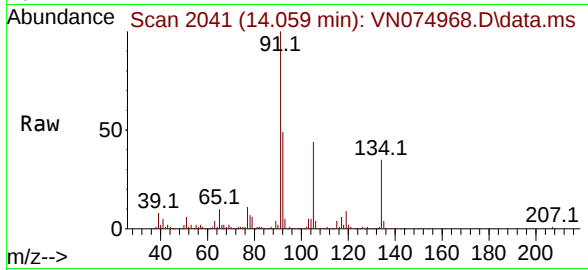
Tgt Ion:119 Resp: 189371
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.7
 91 0.0 11.9 35.5





#89
 n-Butylbenzene
 Concen: 3.956 ug/l m
 RT: 14.059 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: VN074968.D
 Acq: 21 Oct 2022 17:48

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6



Tgt Ion: 91 Resp: 244480

Ion	Ratio	Lower	Upper
91	100		
92	2.4	26.3	78.9
134	39.4	12.6	37.6

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/04/2022
 Supervised By :Mahesh Dadoda 11/04/2022

