

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071580.D
 Acq On : 26 Mar 2022 18:14
 Operator : JC\MD
 Sample : N2131-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 28 02:19:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	797966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1273981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1274080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	603127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	434590	43.836	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.680%		
35) Dibromofluoromethane	8.022	113	364960	45.583	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.160%		
50) Toluene-d8	10.439	98	1594309	49.367	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.740%		
62) 4-Bromofluorobenzene	12.727	95	596306	56.352	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.700%		
Target Compounds					Qvalue	
25) 2-Butanone	7.339	43	20634	3.165	ug/l #	68
31) Cyclohexane	8.092	56	725696	51.155	ug/l	99
39) Methylcyclohexane	9.457	83	483880	34.166	ug/l	97
40) Benzene	8.457	78	3341187	92.980	ug/l	100
52) Toluene	10.504	92	8594957	382.154	ug/l	96
67) Ethyl Benzene	11.833	91	20197631	435.232	ug/l #	62
68) m/p-Xylenes	11.957	106	15863743	893.387	ug/l #	60
69) o-Xylene	12.274	106	1715665	97.257	ug/l	99
73) Isopropylbenzene	12.574	105	2065664	38.847	ug/l	100
78) n-propylbenzene	12.916	91	6382255	112.815	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	1036448	24.693	ug/l	99
84) 1,2,4-Trimethylbenzene	13.357	105	20313650m	501.523	ug/l	
85) sec-Butylbenzene	13.498	105	551627m	10.984	ug/l	
86) p-Isopropyltoluene	13.610	119	268187	6.699	ug/l #	78
89) n-Butylbenzene	13.933	91	611926	19.958	ug/l #	70
95) Naphthalene	15.504	128	5790924	179.737	ug/l	100

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

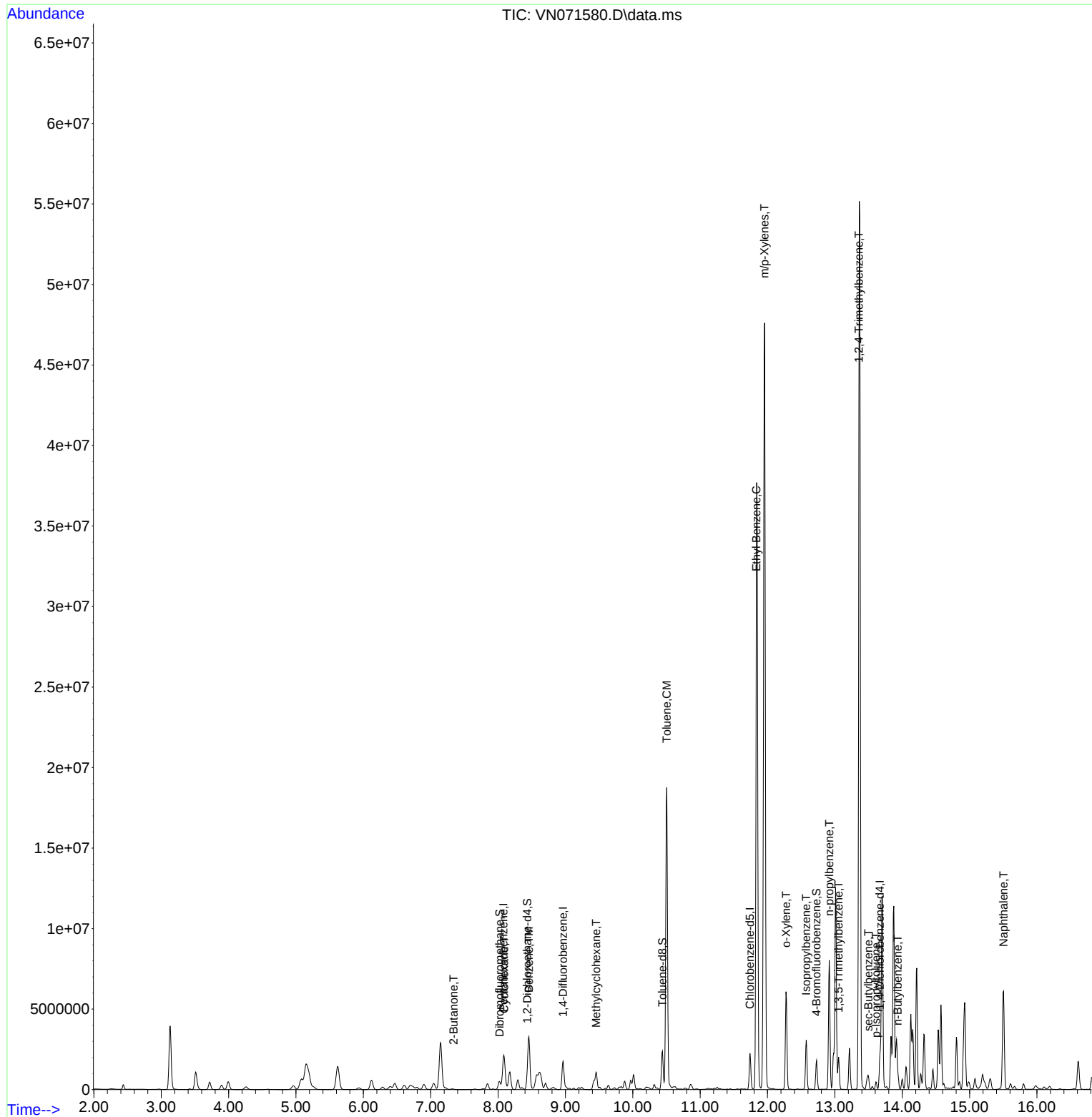
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
Data File : VN071580.D
Acq On : 26 Mar 2022 18:14
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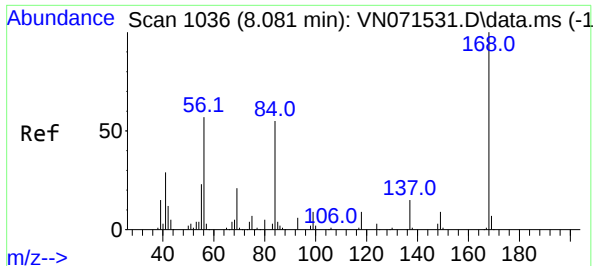
Instrument :
MSVOA_N
ClientSampleId :
MW-4

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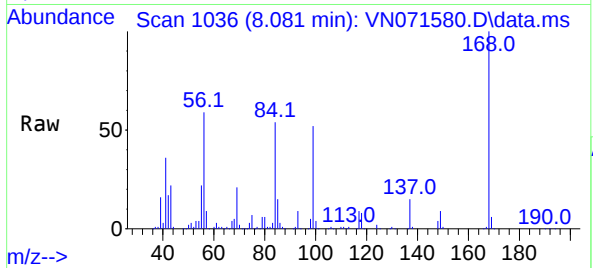
Quant Time: Mar 28 02:19:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

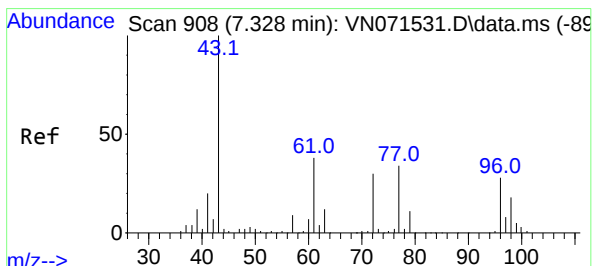
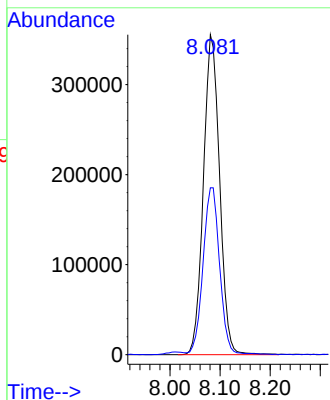
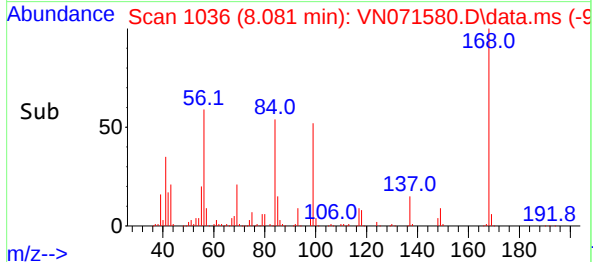
Instrument :
MSVOA_N
ClientSampleId :
MW-4



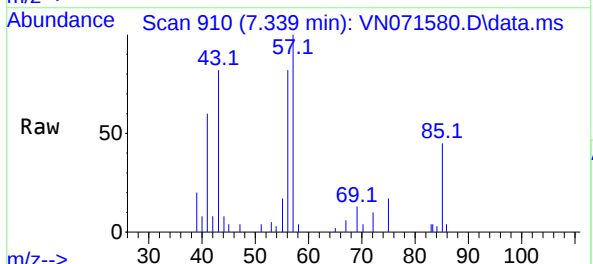
Tgt Ion:168 Resp: 797960
Ion Ratio Lower Upper
168 100
99 52.2 42.3 63.5

Manual Integrations
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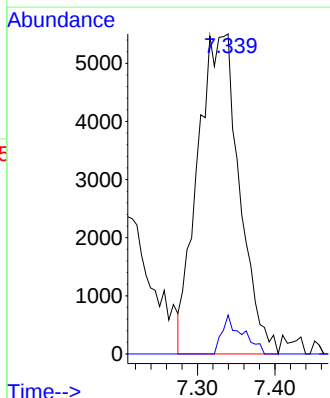
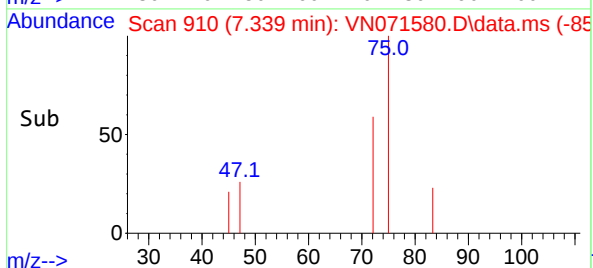
Reviewed By :John Carlone 03/28/2022
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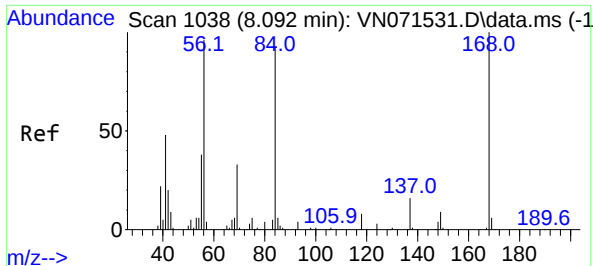


#25
2-Butanone
Concen: 3.165 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14



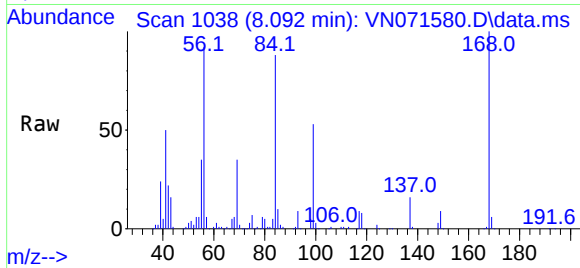
Tgt Ion: 43 Resp: 20634
Ion Ratio Lower Upper
43 100
72 12.2 23.7 35.5#





#31
Cyclohexane
Concen: 51.155 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

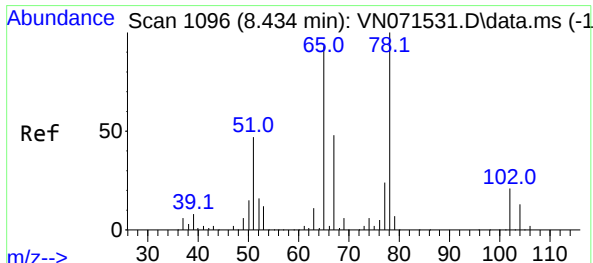
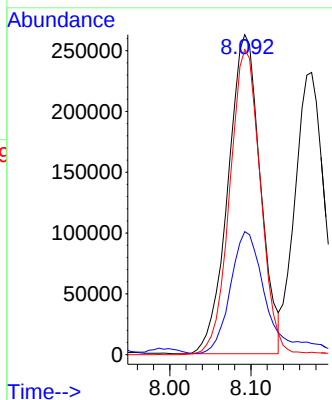
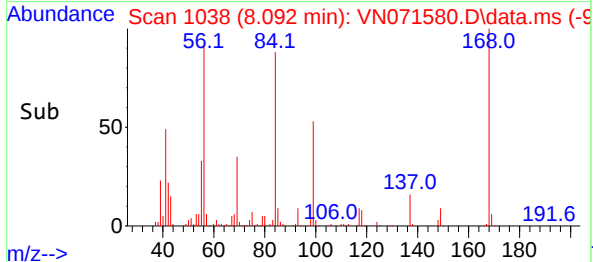
Instrument :
MSVOA_N
ClientSampleId :
MW-4



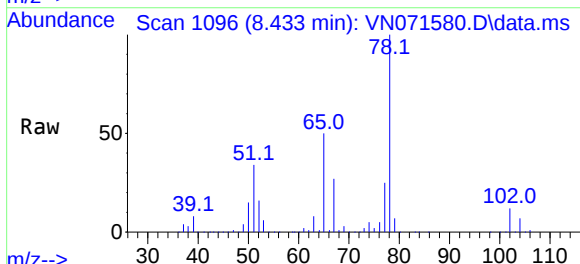
Tgt Ion: 56 Resp: 725690
Ion Ratio Lower Upper
56 100
69 37.2 27.8 41.8
84 95.6 76.9 115.3

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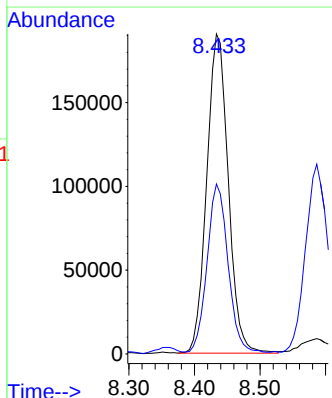
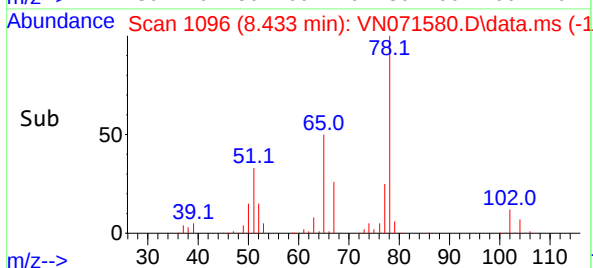
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

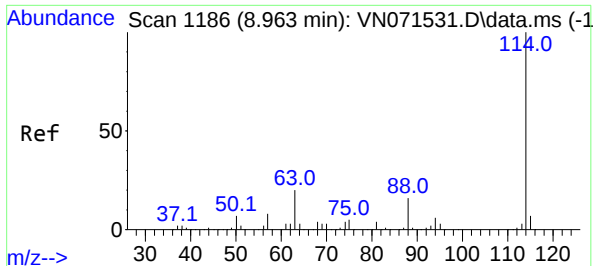


#33
1,2-Dichloroethane-d4
Concen: 43.836 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14



Tgt Ion: 65 Resp: 434590
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071580.D

Acq: 26 Mar 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tgt Ion:114 Resp: 127398

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

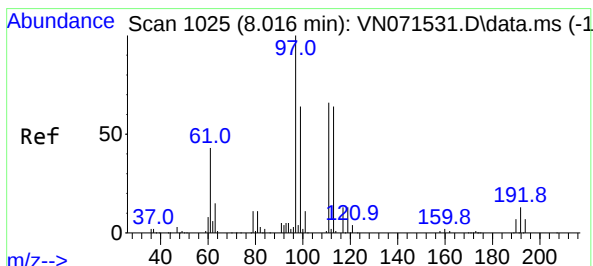
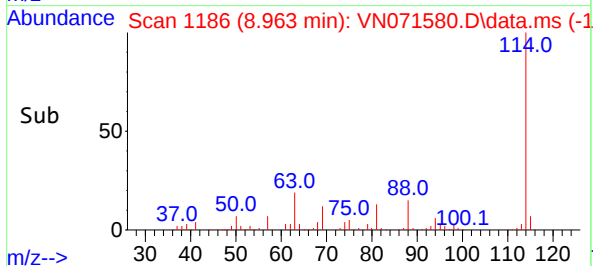
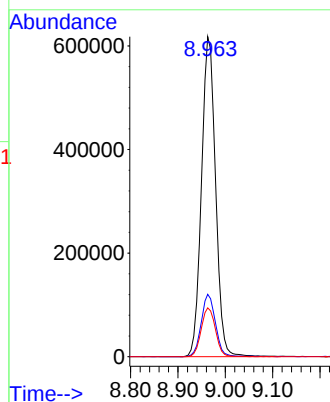
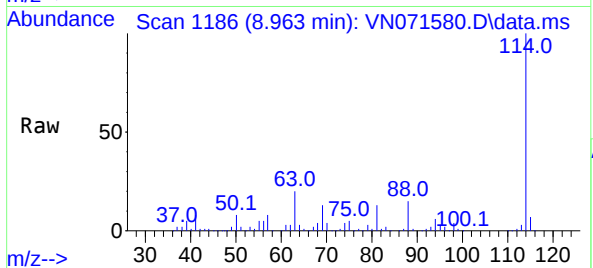
88 15.2 0.0 32.6

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#35

Dibromofluoromethane

Concen: 45.583 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071580.D

Acq: 26 Mar 2022 18:14

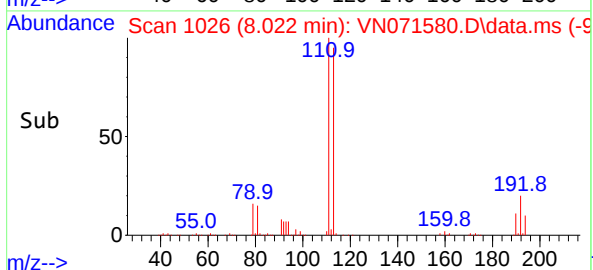
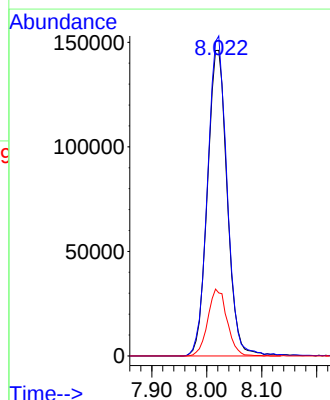
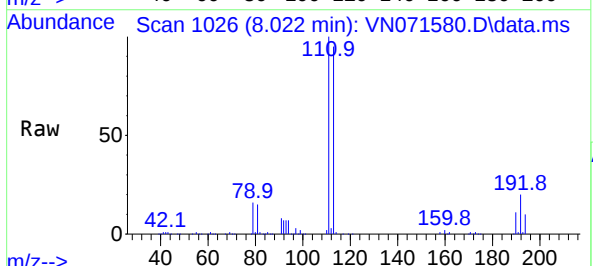
Tgt Ion:113 Resp: 364960

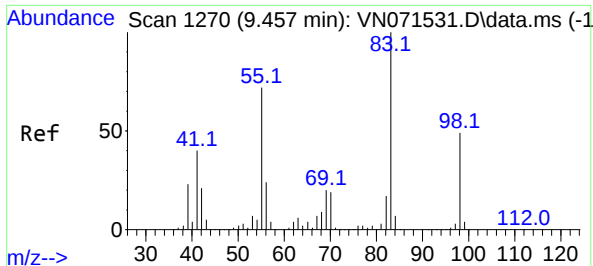
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 21.4 17.0 25.6





#39

Methylcyclohexane

Concen: 34.166 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VN071580.D

Acq: 26 Mar 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 83 Resp: 483880

Ion Ratio Lower Upper

83 100

55 75.4 57.8 86.8

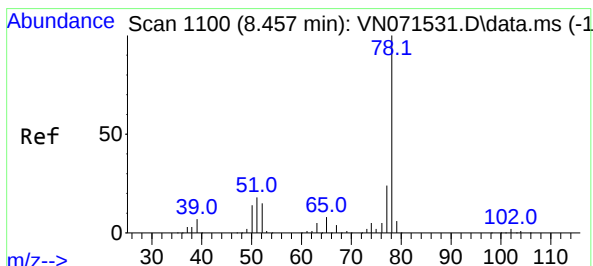
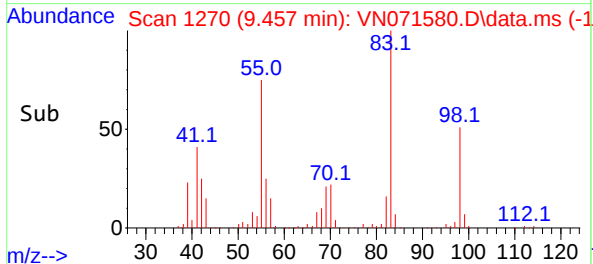
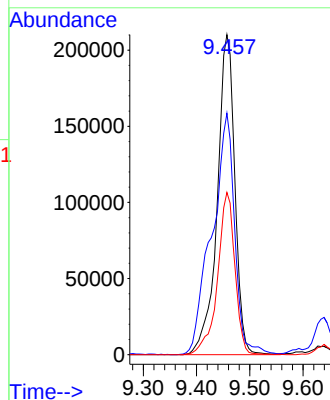
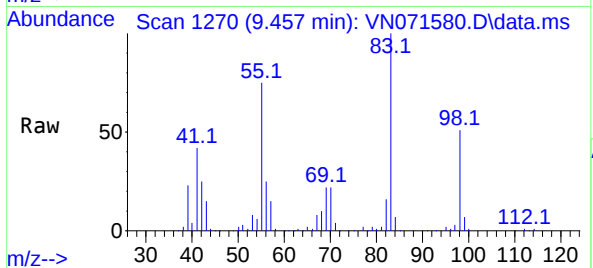
98 50.7 39.4 59.2

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Supervised By :Mahesh Dadoda 03/28/2022



#40

Benzene

Concen: 92.980 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VN071580.D

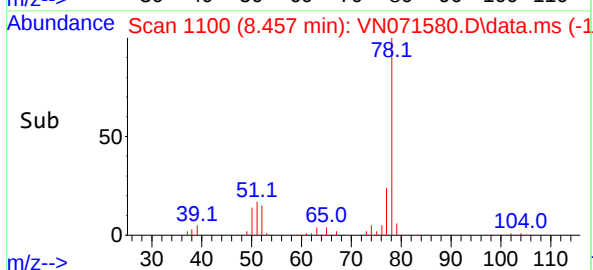
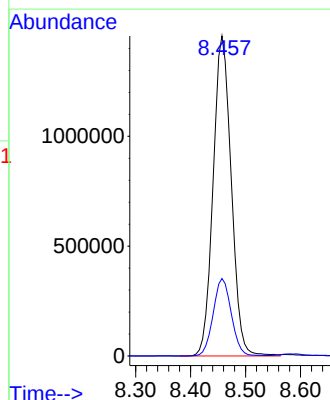
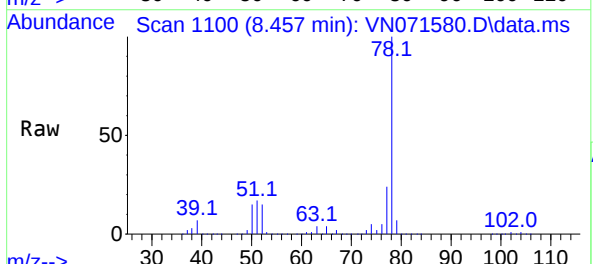
Acq: 26 Mar 2022 18:14

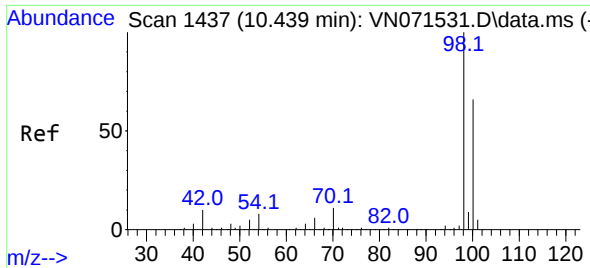
Tgt Ion: 78 Resp: 3341187

Ion Ratio Lower Upper

78 100

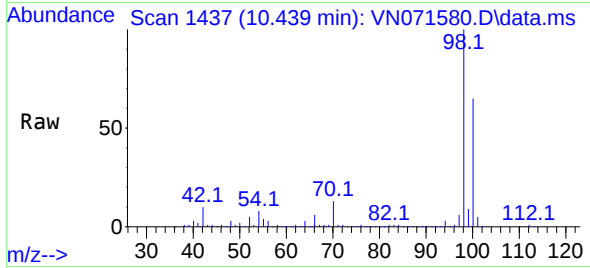
77 24.2 19.4 29.0





#50
Toluene-d8
Concen: 49.367 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

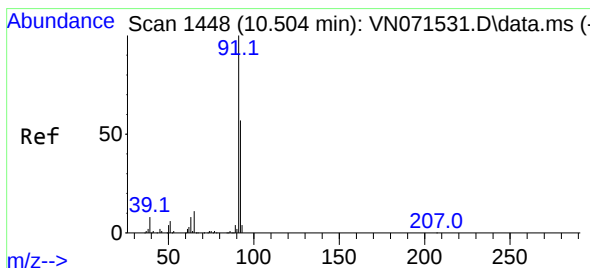
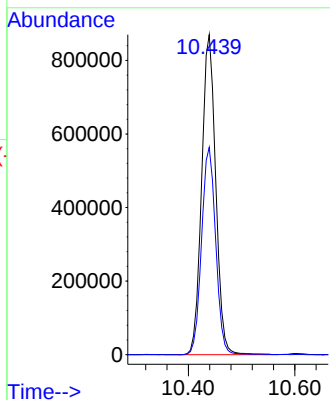
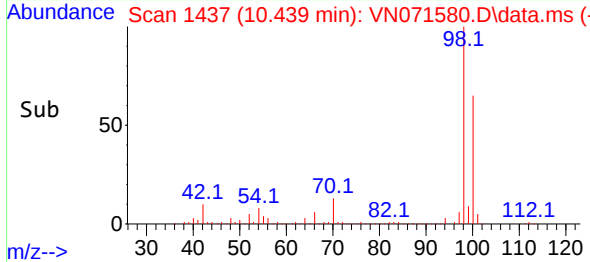
Instrument :
MSVOA_N
ClientSampleId :
MW-4



Tgt Ion: 98 Resp: 1594309
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

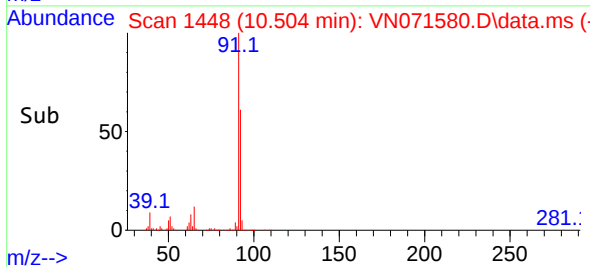
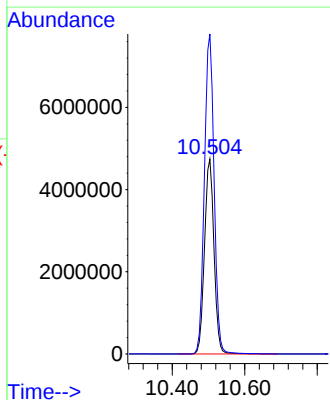
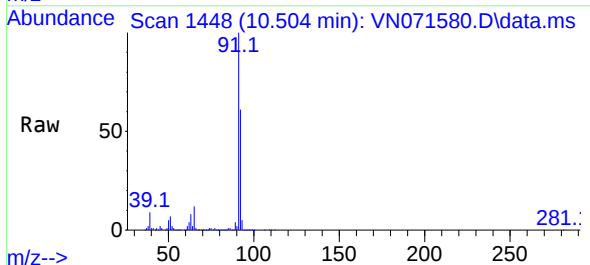
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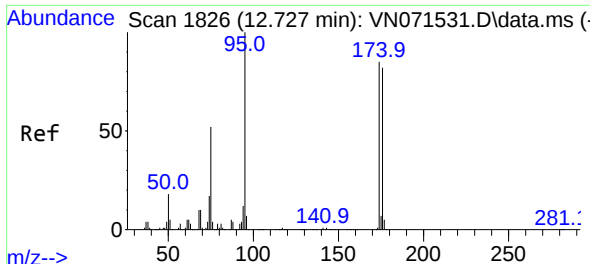
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#52
Toluene
Concen: 382.154 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

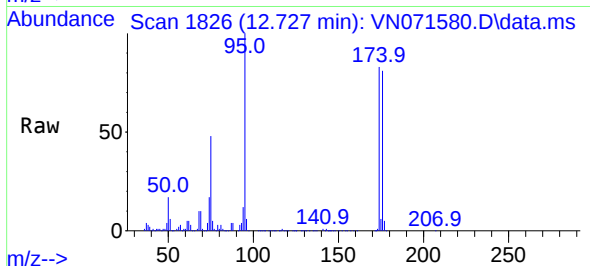
Tgt Ion: 92 Resp: 8594957
Ion Ratio Lower Upper
92 100
91 167.7 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 56.352 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

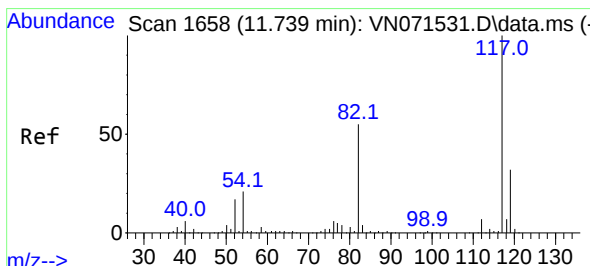
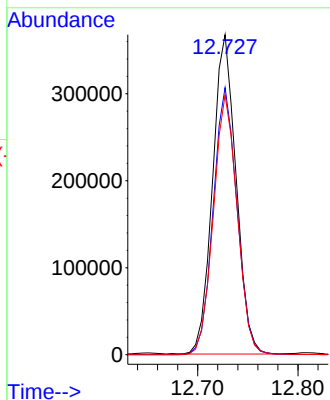
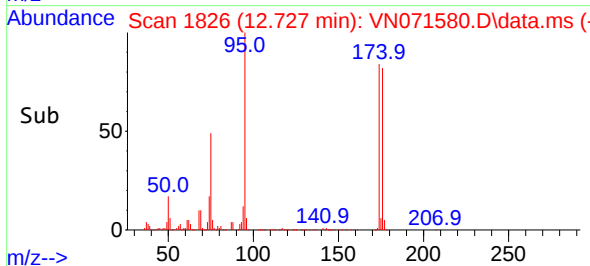
Instrument :
MSVOA_N
ClientSampleId :
MW-4



Tgt Ion: 95 Resp: 596300
Ion Ratio Lower Upper
95 100
174 84.8 0.0 167.6
176 82.6 0.0 163.4

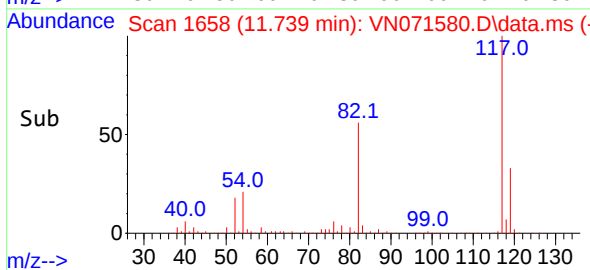
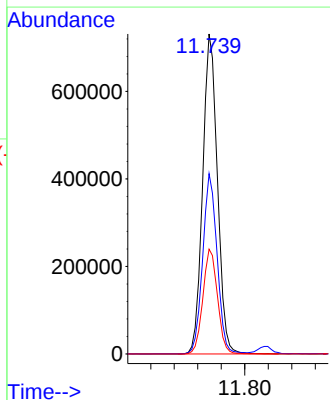
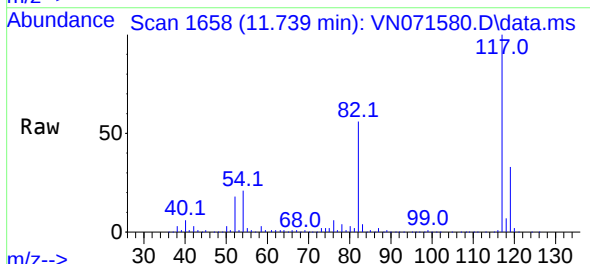
Manual Integrations
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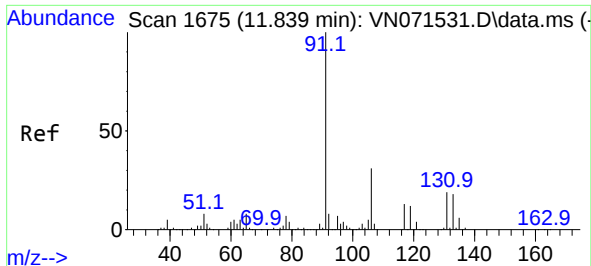
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

Tgt Ion:117 Resp: 1274080
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 32.8 25.4 38.0





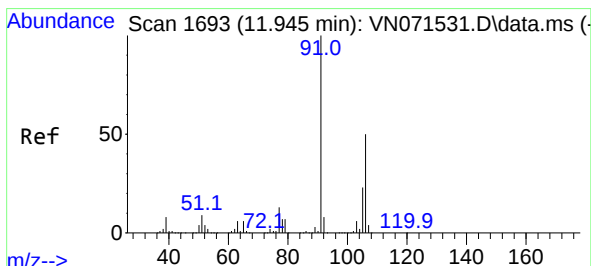
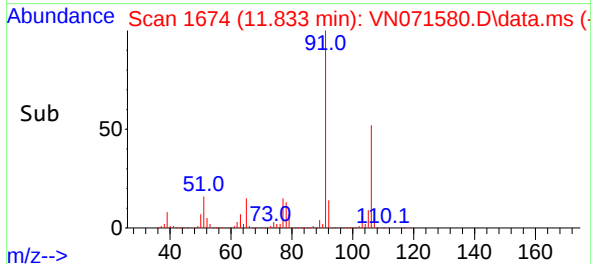
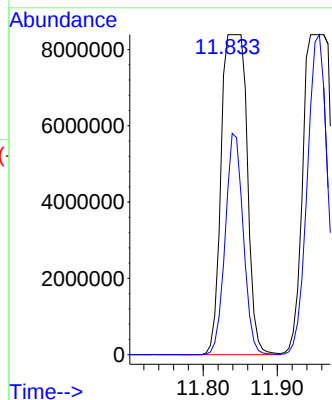
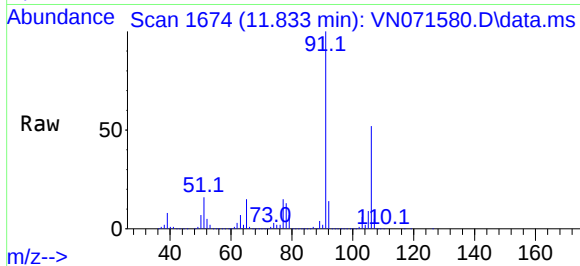
#67
Ethyl Benzene
Concen: 435.232 ug/l
RT: 11.833 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

Instrument :
MSVOA_N
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MW-4

Tgt Ion: 91 Resp:2019763
Ion Ratio Lower Upper
91 100
106 51.8 24.9 37.3

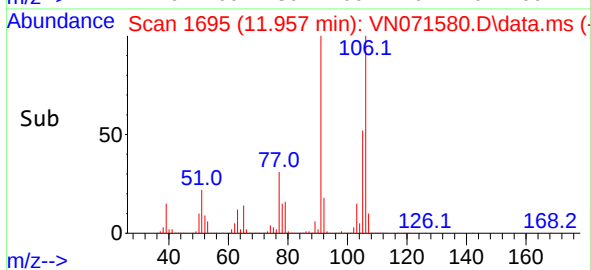
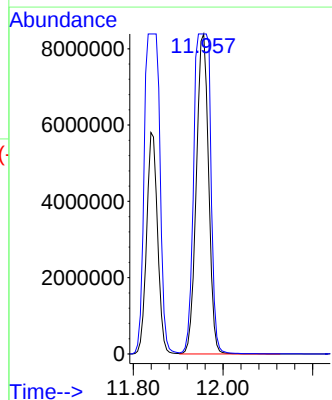
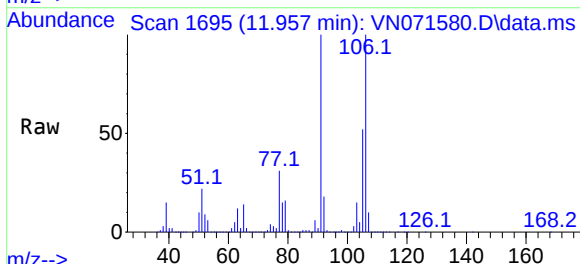
Manual Integrations
APPROVED

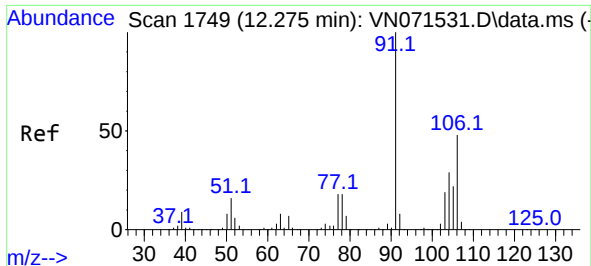
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#68
m/p-Xylenes
Concen: 893.387 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.012 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

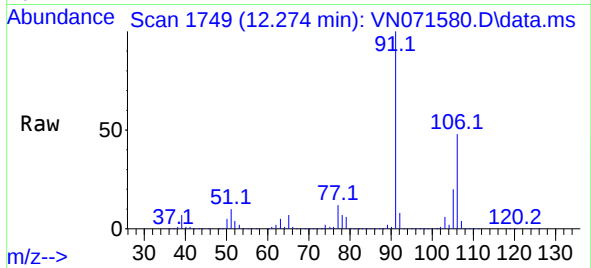
Tgt Ion:106 Resp:15863743
Ion Ratio Lower Upper
106 100
91 138.4 158.9 238.3





#69
o-Xylene
Concen: 97.257 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

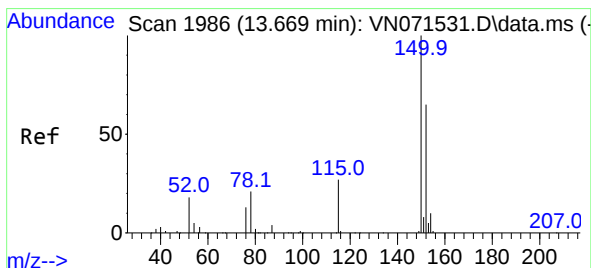
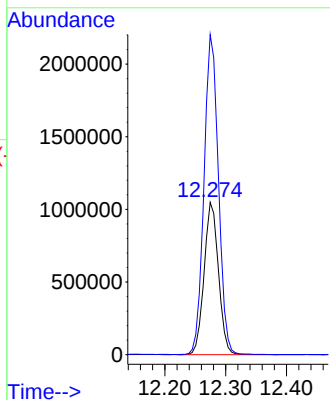
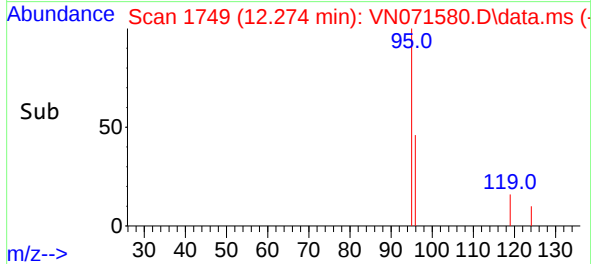
Instrument :
MSVOA_N
ClientSampleId :
MW-4



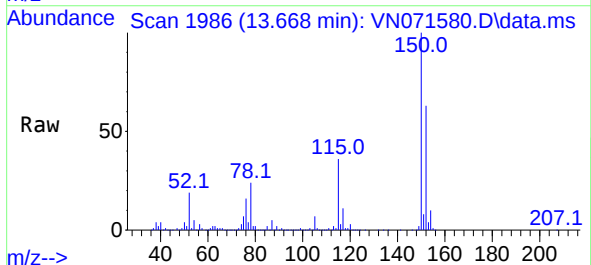
Tgt Ion:106 Resp: 171566
Ion Ratio Lower Upper
106 100
91 211.1 106.0 318.0

Manual Integrations
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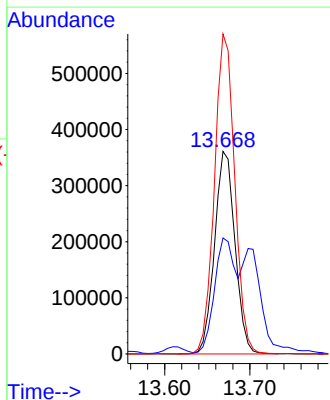
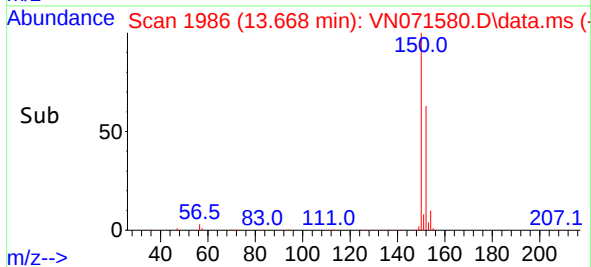
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

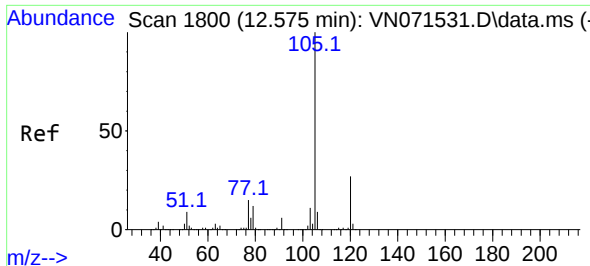


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14



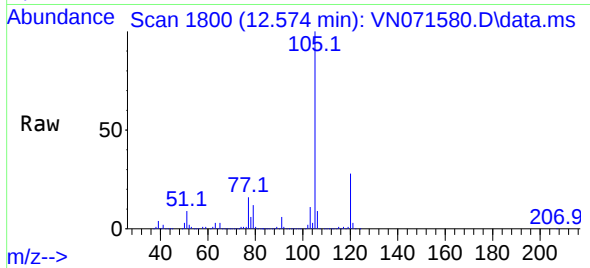
Tgt Ion:152 Resp: 603127
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 156.5 0.0 356.2





#73
Isopropylbenzene
Concen: 38.847 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

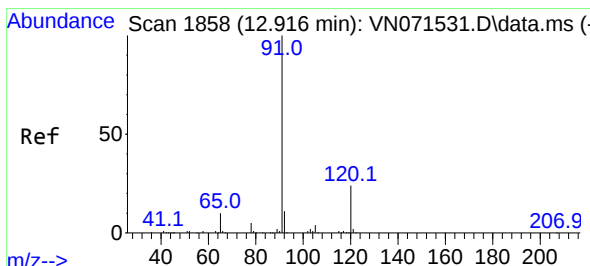
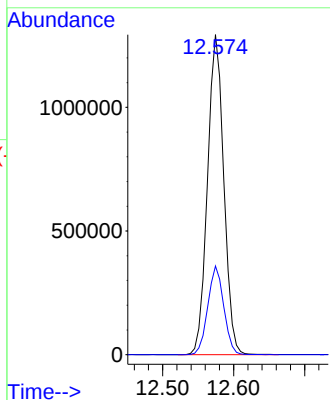
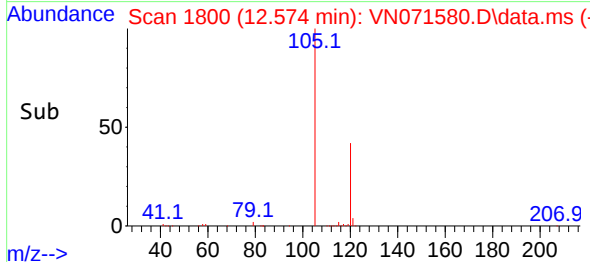
Instrument :
MSVOA_N
ClientSampleId :
MW-4



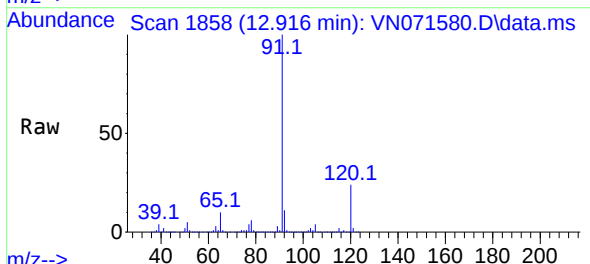
Tgt Ion:105 Resp: 206566
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

Manual Integrations
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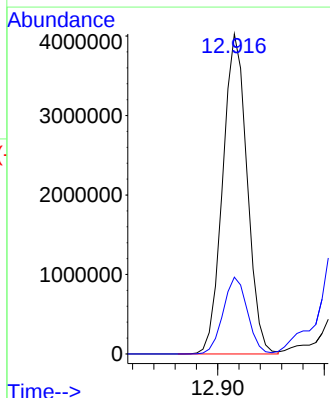
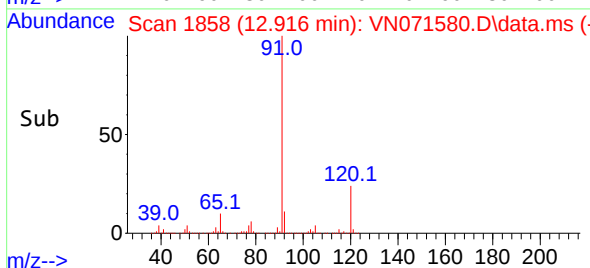
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

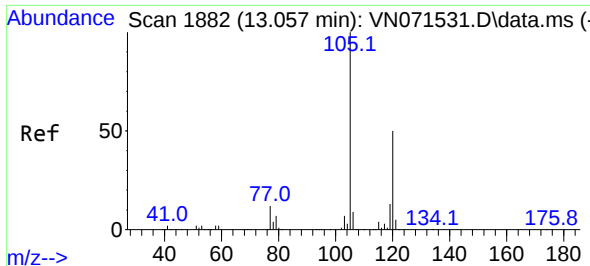


#78
n-propylbenzene
Concen: 112.815 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14



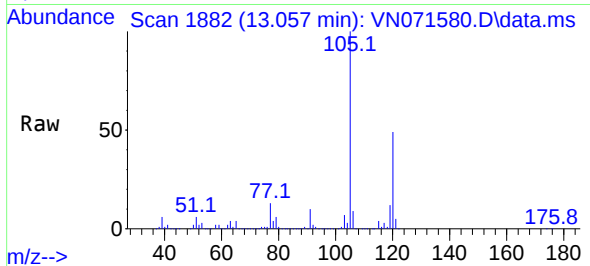
Tgt Ion: 91 Resp: 6382255
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 24.693 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

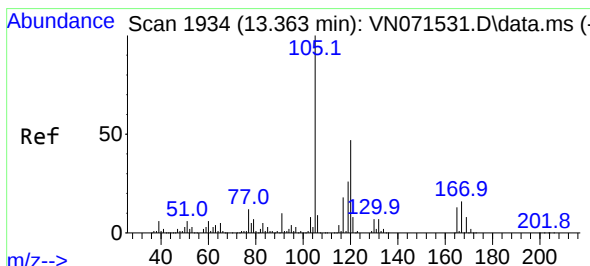
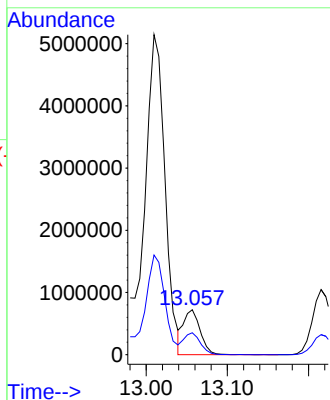
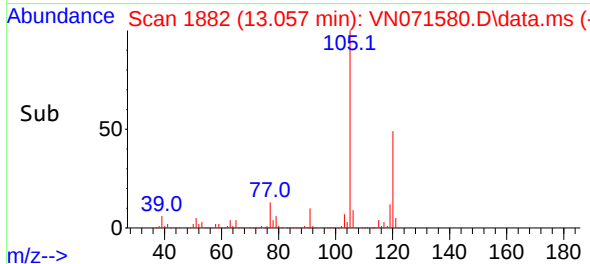
Instrument :
MSVOA_N
ClientSampleId :
MW-4



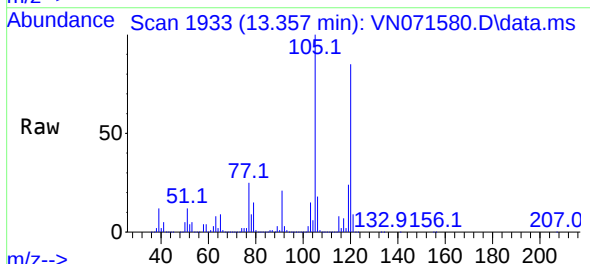
Tgt Ion:105 Resp: 1036448
Ion Ratio Lower Upper
105 100
120 49.2 24.9 74.7

Manual Integrations
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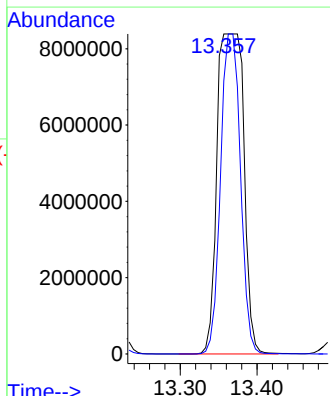
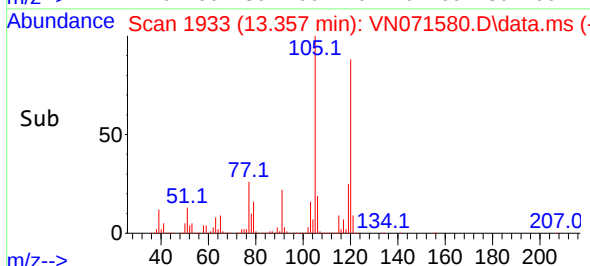
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

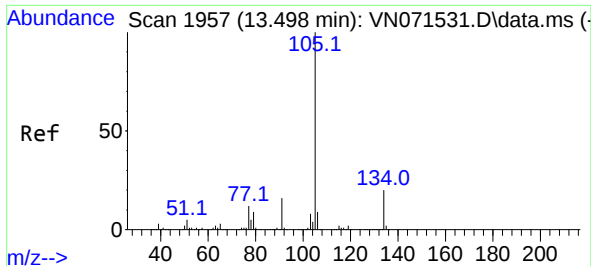


#84
1,2,4-Trimethylbenzene
Concen: 501.523 ug/l m
RT: 13.357 min Scan# 1933
Delta R.T. -0.006 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14



Tgt Ion:105 Resp:20313650
Ion Ratio Lower Upper
105 100
120 2.6 23.3 69.8#





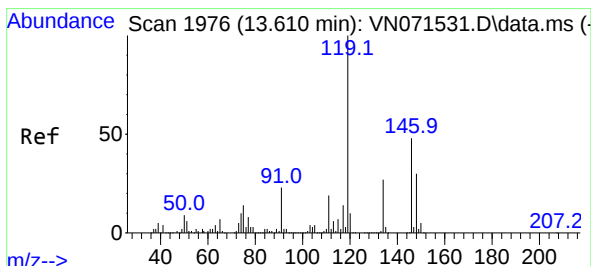
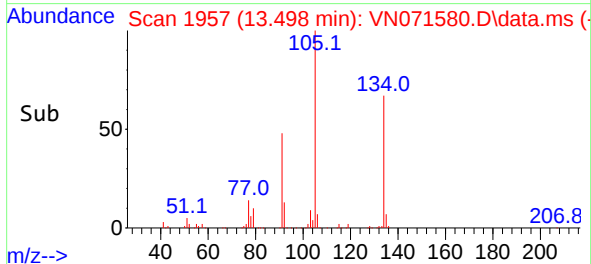
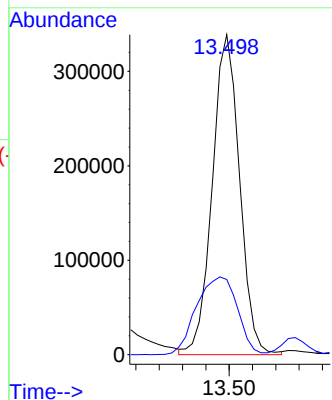
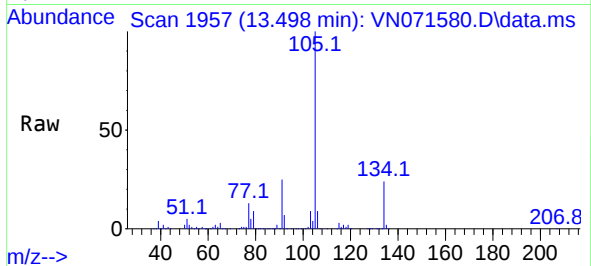
#85
 sec-Butylbenzene
 Concen: 10.984 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN071580.D
 Acq: 26 Mar 2022 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tgt Ion:105 Resp: 55162
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

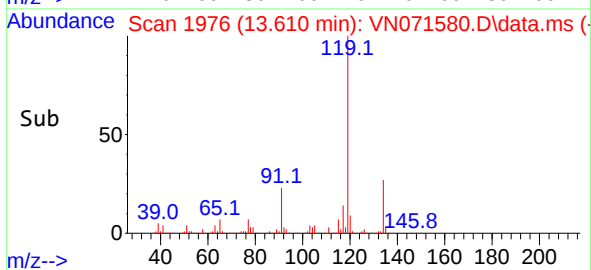
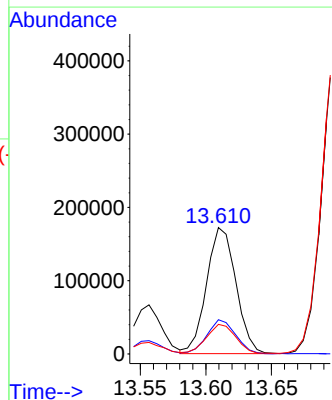
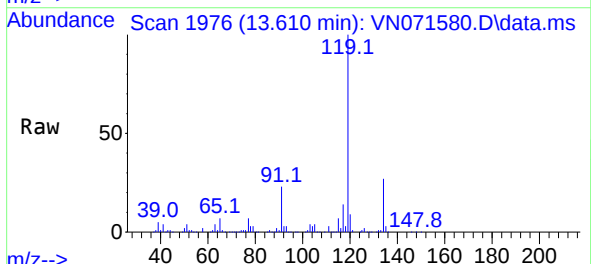
Manual Integrations
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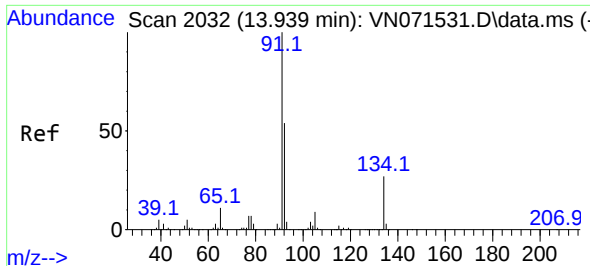
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#86
 p-Isopropyltoluene
 Concen: 6.699 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN071580.D
 Acq: 26 Mar 2022 18:14

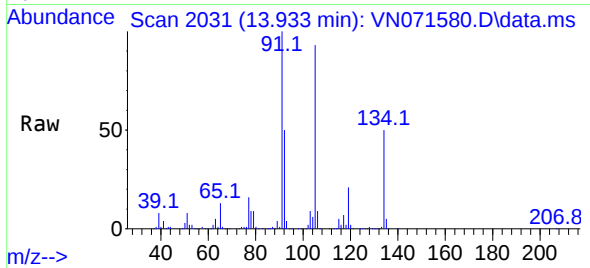
Tgt Ion:119 Resp: 268187
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 0.0 11.3 33.9





#89
n-Butylbenzene
Concen: 19.958 ug/l
RT: 13.933 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14

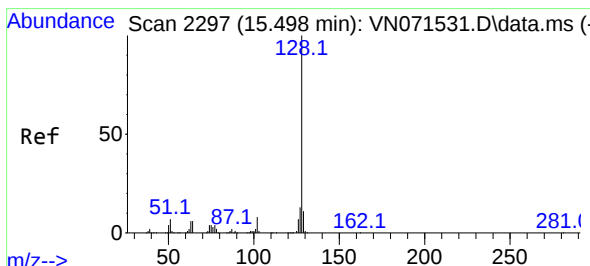
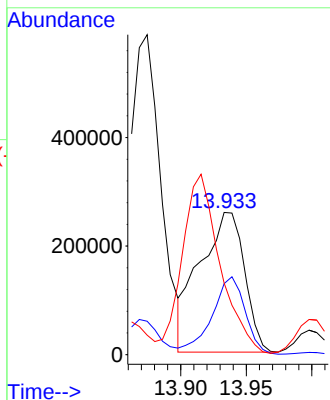
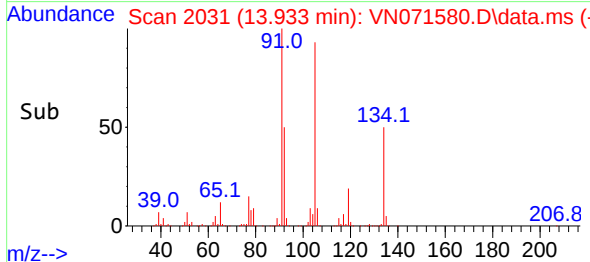
Instrument :
MSVOA_N
ClientSampleId :
MW-4



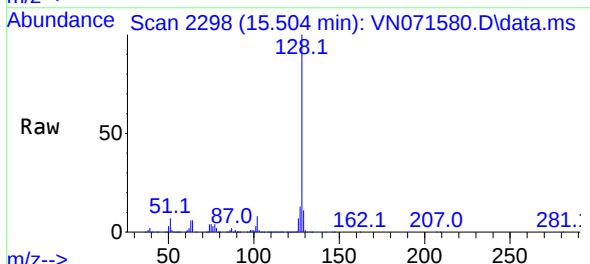
Tgt Ion: 91 Resp: 611920
Ion Ratio Lower Upper
91 100
92 40.9 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
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Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#95
Naphthalene
Concen: 179.737 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071580.D
Acq: 26 Mar 2022 18:14



Tgt Ion:128 Resp: 5790924
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.6 13.0

