

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071578.D
 Acq On : 26 Mar 2022 17:26
 Operator : JC\MD
 Sample : N2131-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 02:19:20 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	791592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1301172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1302445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	597778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	444320	45.179	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.360%		
35) Dibromofluoromethane	8.016	113	367568	44.949	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.900%		
50) Toluene-d8	10.439	98	1642216	49.788	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.580%		
62) 4-Bromofluorobenzene	12.727	95	603919	55.879	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.760%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	18428	4.571	ug/l	99
31) Cyclohexane	8.092	56	159060	11.303	ug/l #	89
39) Methylcyclohexane	9.457	83	148723	10.282	ug/l	99
40) Benzene	8.457	78	196571	5.356	ug/l	99
52) Toluene	10.504	92	4907086	213.622	ug/l	98
67) Ethyl Benzene	11.839	91	12122983	255.545	ug/l	97
68) m/p-Xylenes	11.951	106	13573287	747.750	ug/l #	71
69) o-Xylene	12.275	106	4335826	240.436	ug/l	97
73) Isopropylbenzene	12.575	105	1188342	22.548	ug/l	100
78) n-propylbenzene	12.916	91	3858477	68.814	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	4690508	112.748	ug/l	100
84) 1,2,4-Trimethylbenzene	13.357	105	18013637	448.718	ug/l	74
85) sec-Butylbenzene	13.498	105	345008m	6.931	ug/l	
86) p-Isopropyltoluene	13.610	119	169146m	4.263	ug/l	
89) n-Butylbenzene	13.939	91	201459m	6.629	ug/l	
95) Naphthalene	15.498	128	3925715	123.951	ug/l	100

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

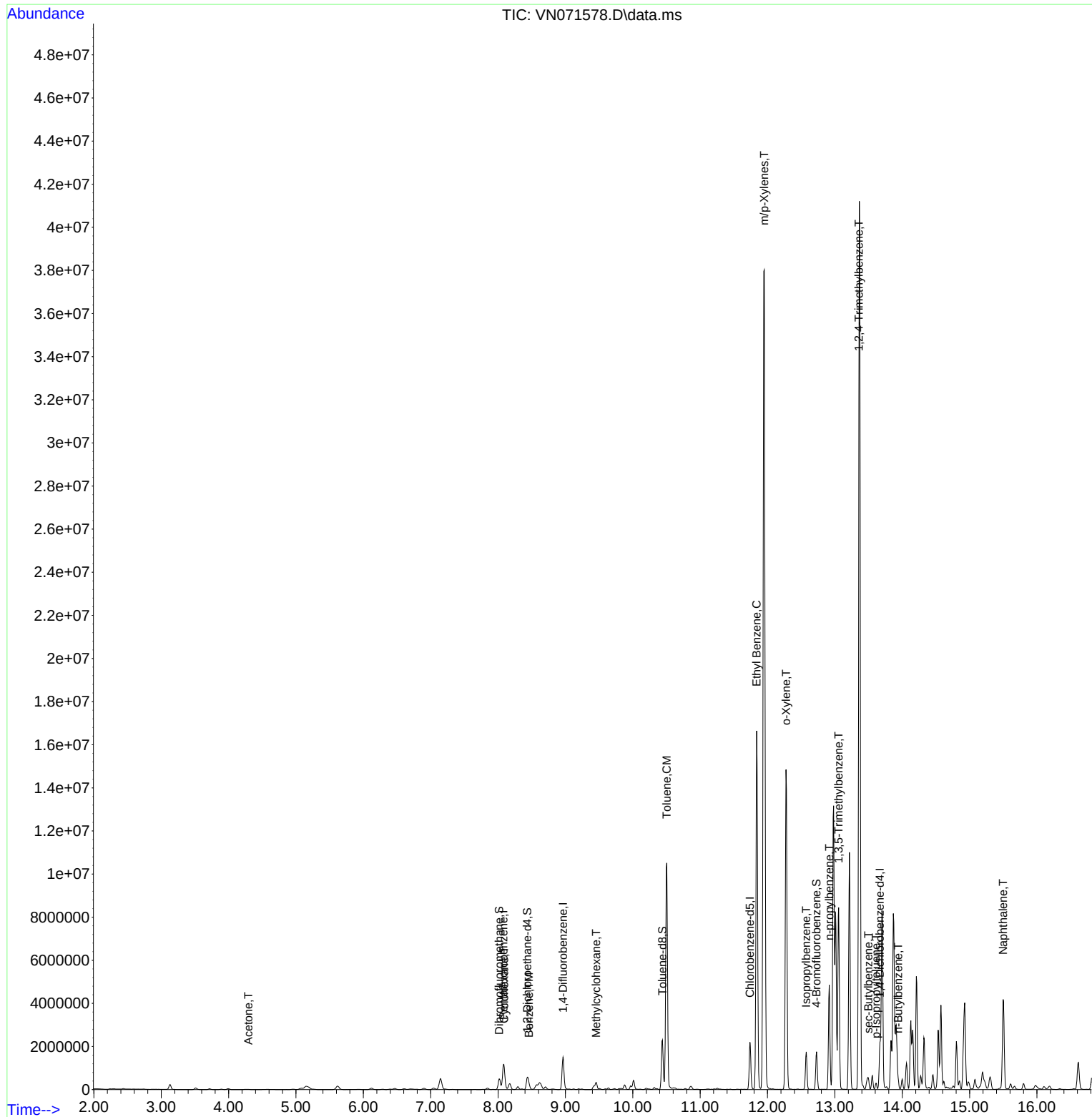
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
Data File : VN071578.D
Acq On : 26 Mar 2022 17:26
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Misc : 5.0mL/MSVOA_N/WATER
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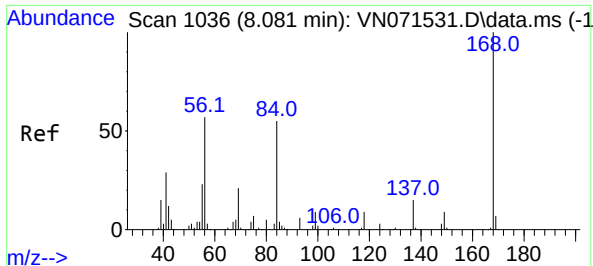
Instrument :
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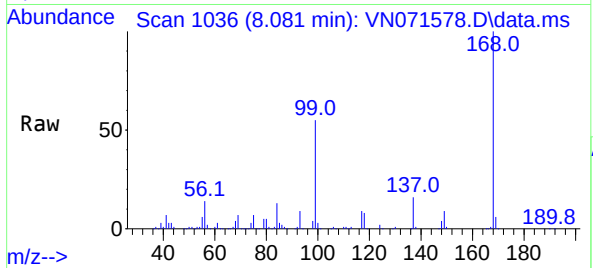
Quant Time: Mar 28 02:19:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

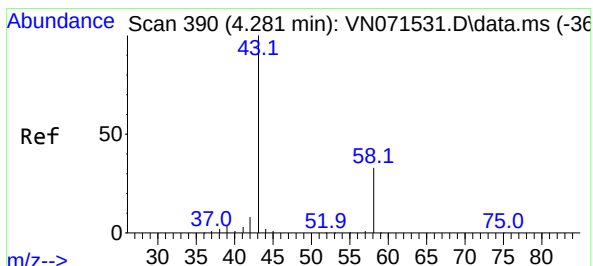
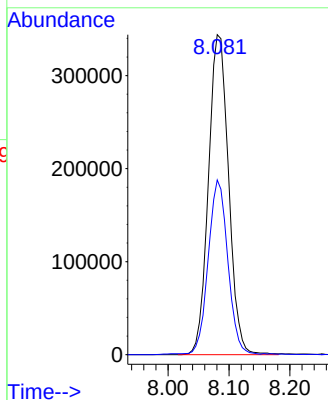
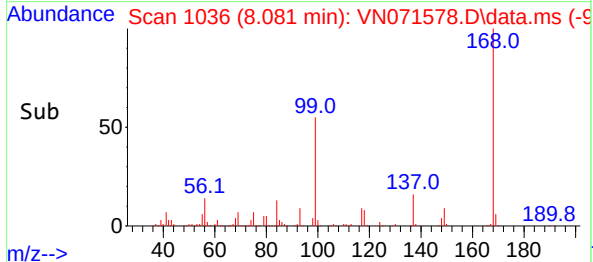
Instrument :
MSVOA_N
ClientSampleId :
MW-2



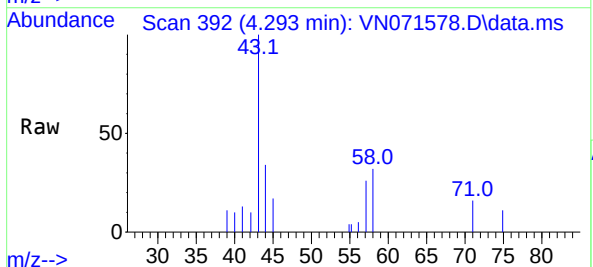
Tgt Ion:168 Resp: 791592
Ion Ratio Lower Upper
168 100
99 54.4 42.3 63.5

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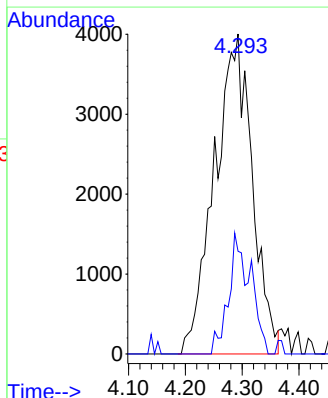
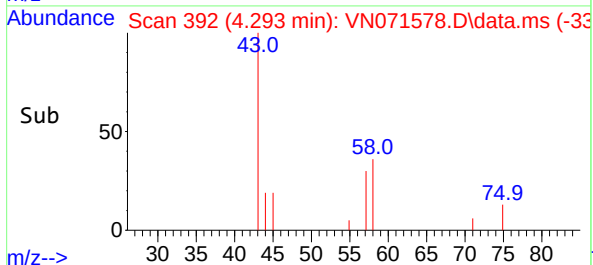
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

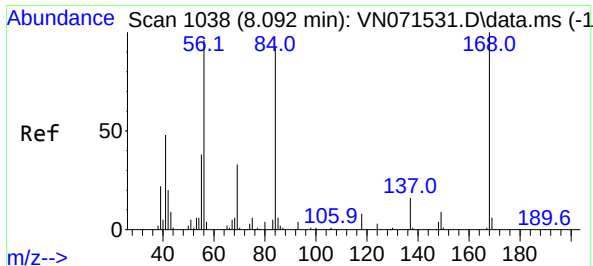


#16
Acetone
Concen: 4.571 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26



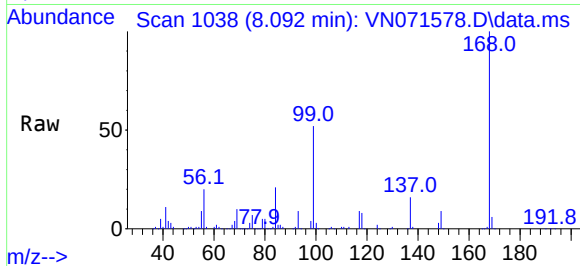
Tgt Ion: 43 Resp: 18428
Ion Ratio Lower Upper
43 100
58 32.1 26.0 39.0





#31
Cyclohexane
Concen: 11.303 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

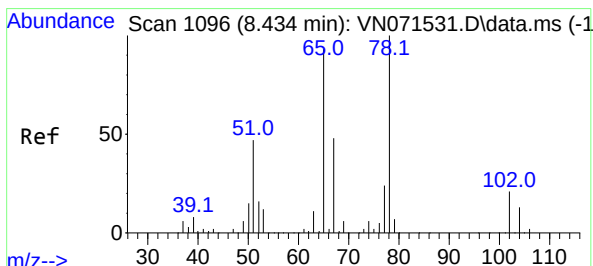
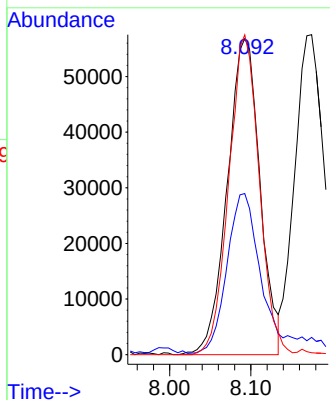
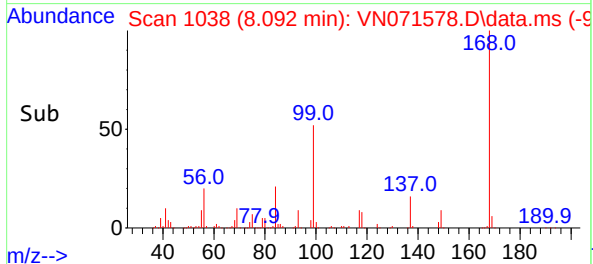
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 56 Resp: 159060
Ion Ratio Lower Upper
56 100
69 50.4 27.8 41.8
84 101.3 76.9 115.3

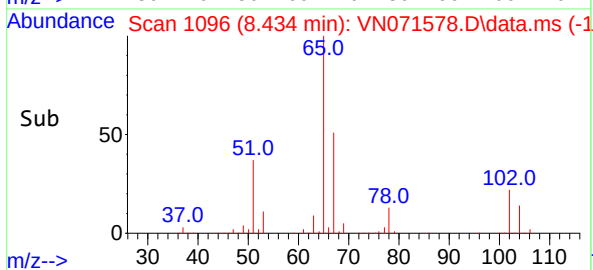
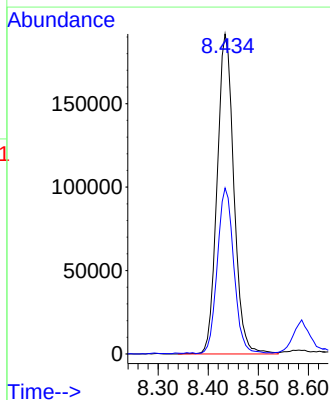
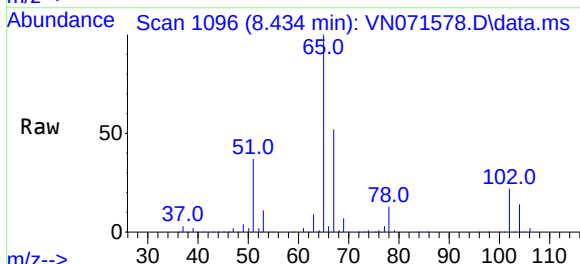
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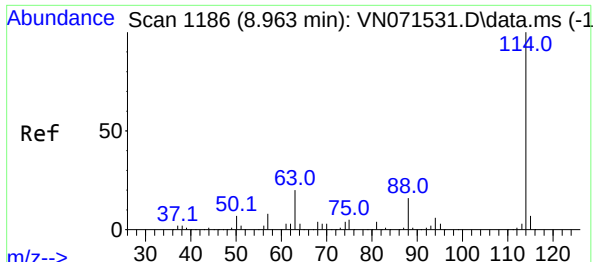
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#33
1,2-Dichloroethane-d4
Concen: 45.179 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

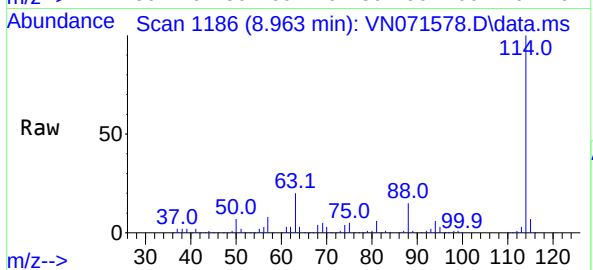
Tgt Ion: 65 Resp: 444320
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

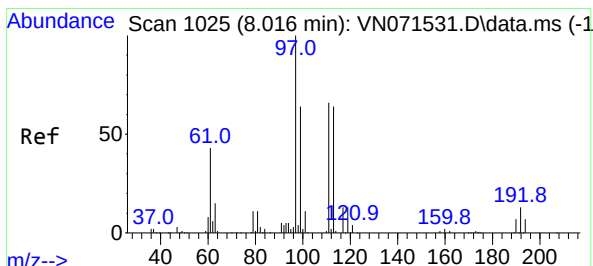
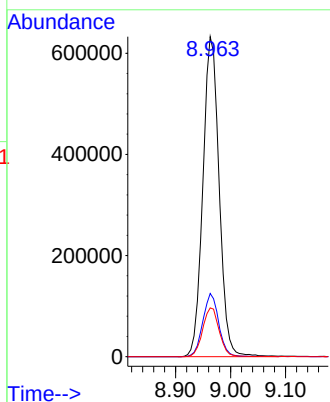
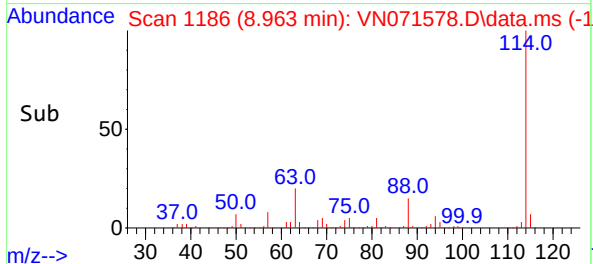
Instrument :
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ClientSampleId :
MW-2



Tgt Ion:114 Resp: 1301172
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.3 0.0 32.6

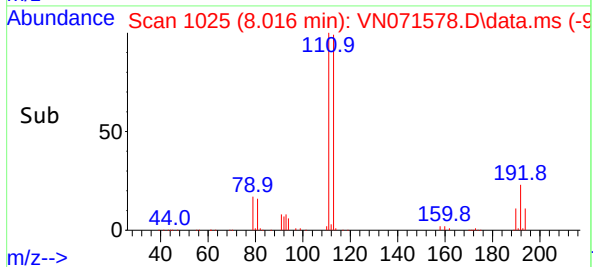
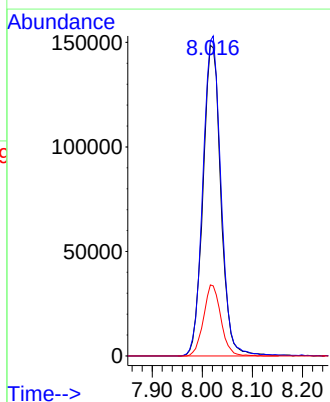
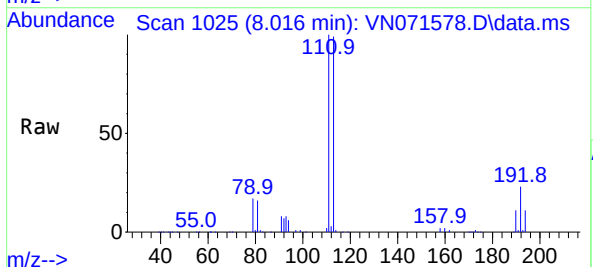
Manual Integrations
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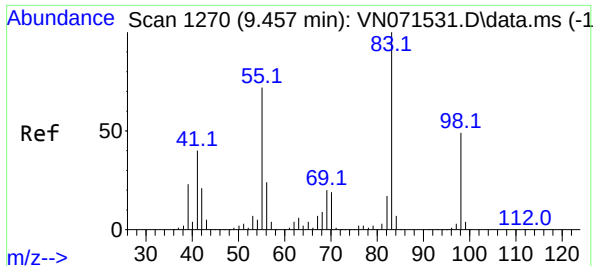
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#35
Dibromofluoromethane
Concen: 44.949 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

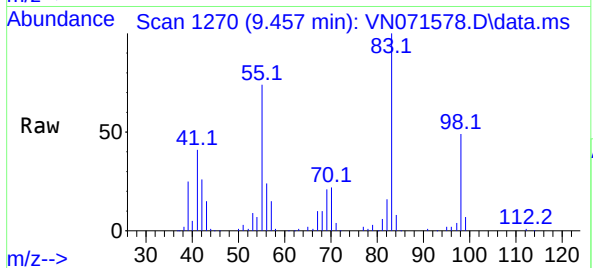
Tgt Ion:113 Resp: 367568
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 22.3 17.0 25.6





#39
Methylcyclohexane
Concen: 10.282 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

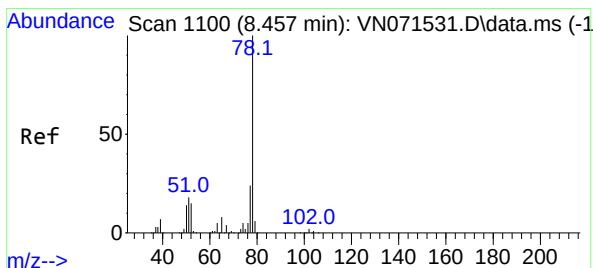
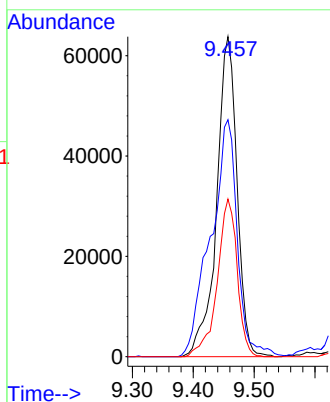
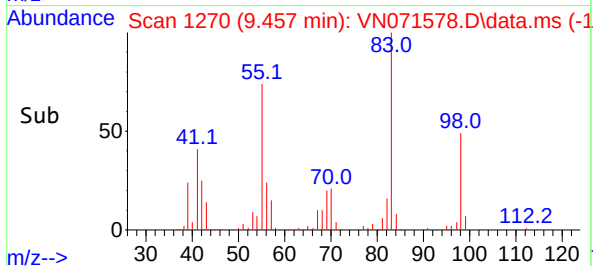
Instrument :
MSVOA_N
ClientSampleId :
MW-2



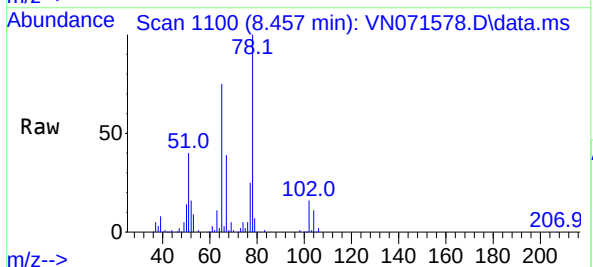
Tgt Ion: 83 Resp: 14872
Ion Ratio Lower Upper
83 100
55 74.0 57.8 86.8
98 49.2 39.4 59.2

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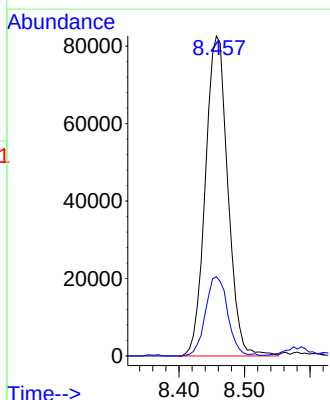
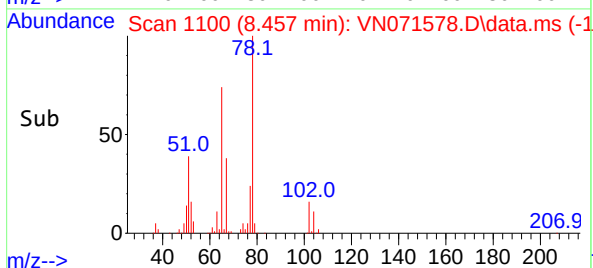
Reviewed By :John Carlone 03/28/2022
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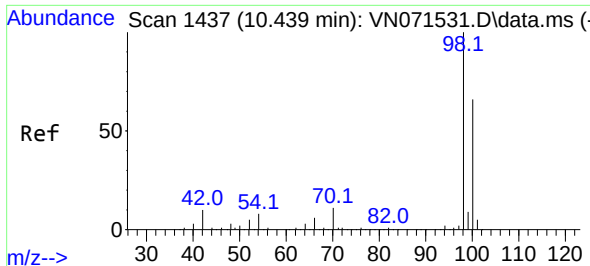


#40
Benzene
Concen: 5.356 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26



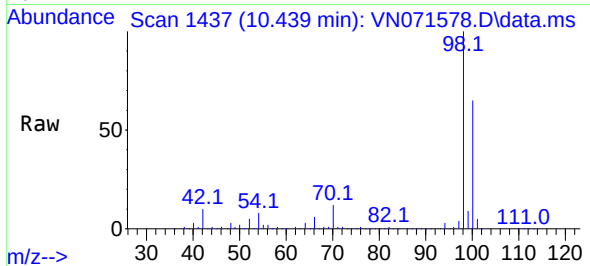
Tgt Ion: 78 Resp: 196571
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0





#50
Toluene-d8
Concen: 49.788 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

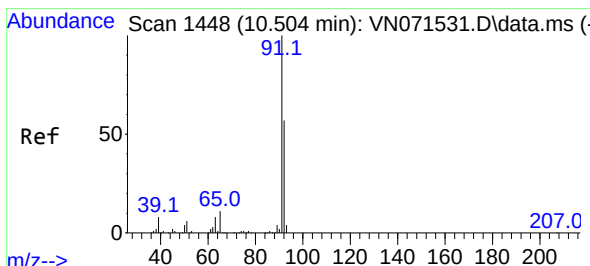
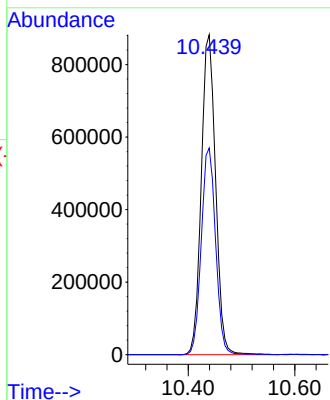
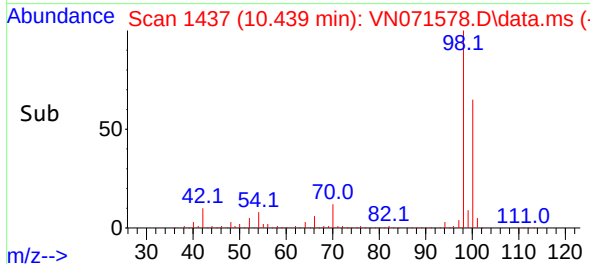
Instrument :
MSVOA_N
ClientSampleId :
MW-2



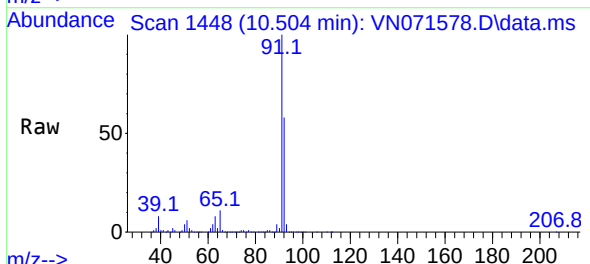
Tgt Ion: 98 Resp: 1642210
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

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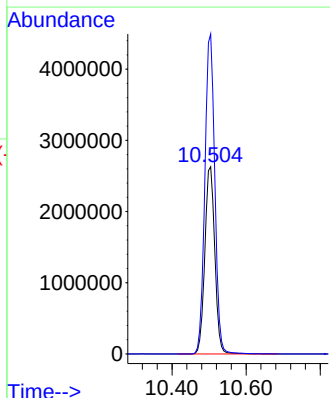
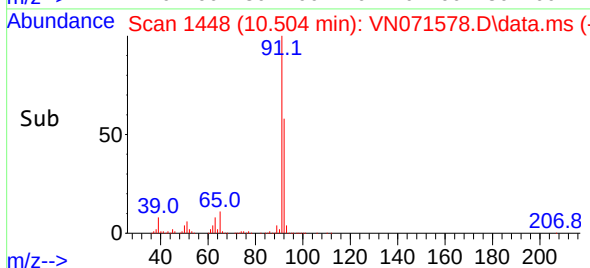
Reviewed By :John Carlone 03/28/2022
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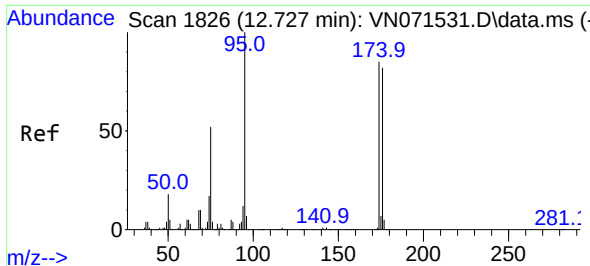


#52
Toluene
Concen: 213.622 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26



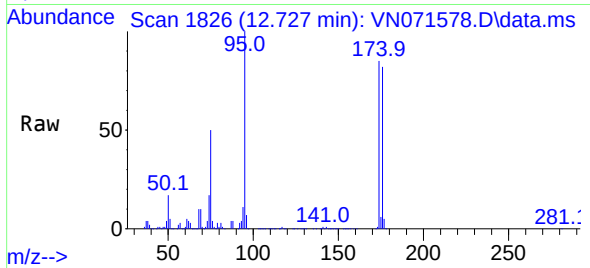
Tgt Ion: 92 Resp: 4907086
Ion Ratio Lower Upper
92 100
91 170.7 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 55.879 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

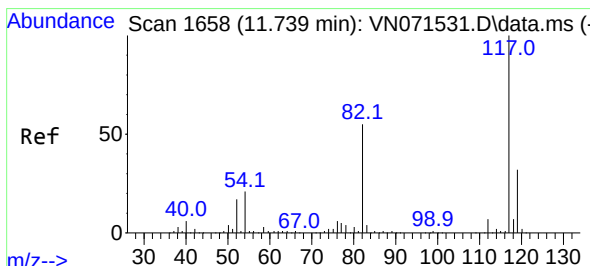
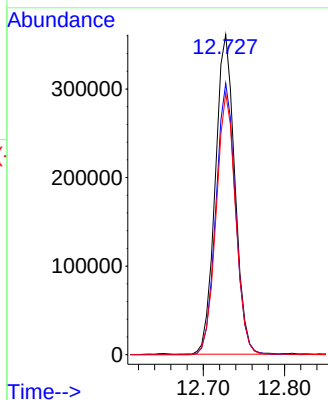
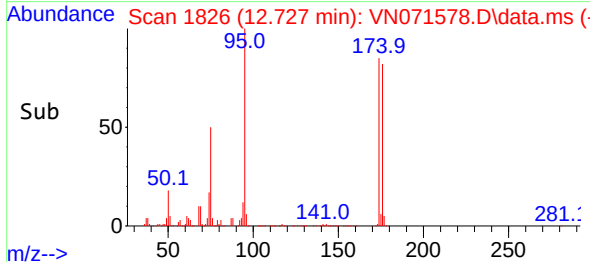
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 95 Resp: 603919
Ion Ratio Lower Upper
95 100
174 84.9 0.0 167.6
176 81.5 0.0 163.4

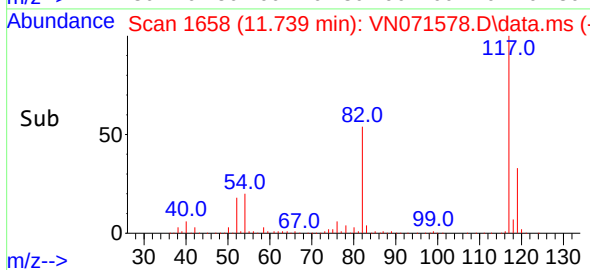
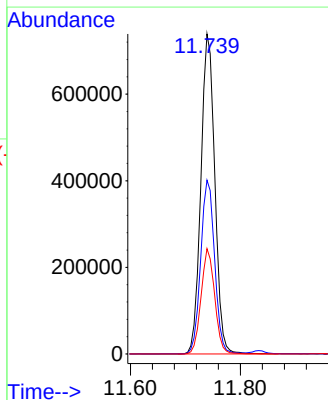
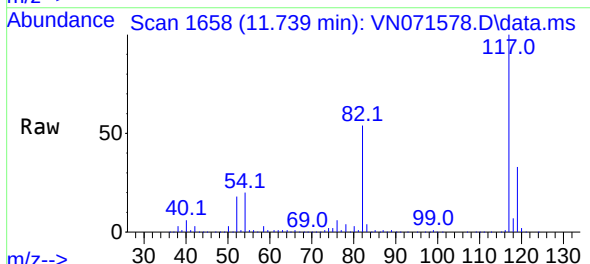
Manual Integrations
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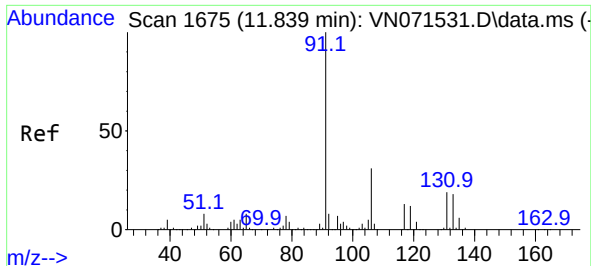
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

Tgt Ion:117 Resp: 1302445
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.9 25.4 38.0





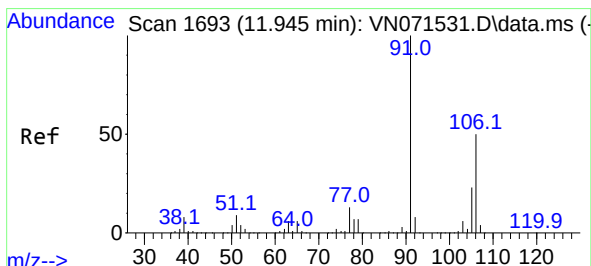
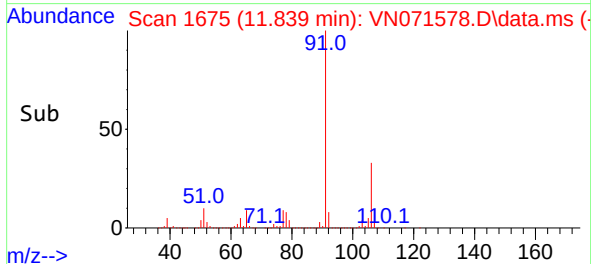
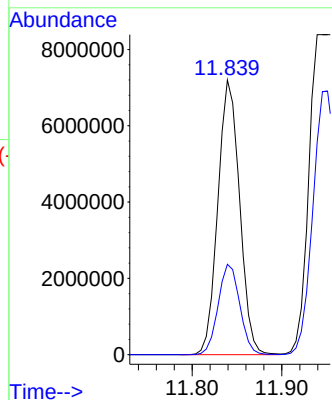
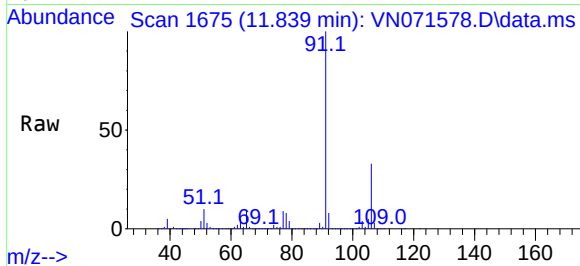
#67
Ethyl Benzene
Concen: 255.545 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 91 Resp:1212298
Ion Ratio Lower Upper
91 100
106 32.9 24.9 37.3

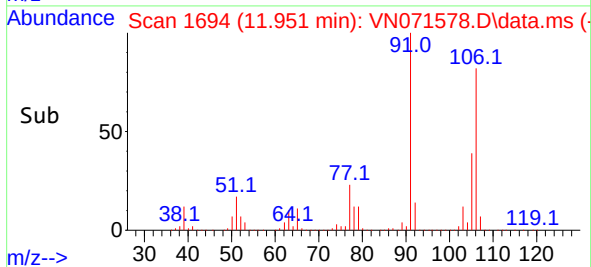
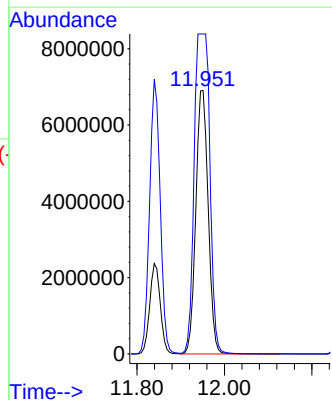
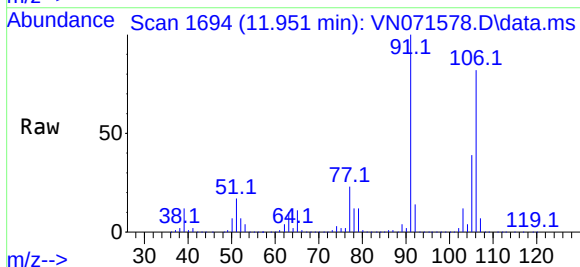
Manual Integrations
APPROVED

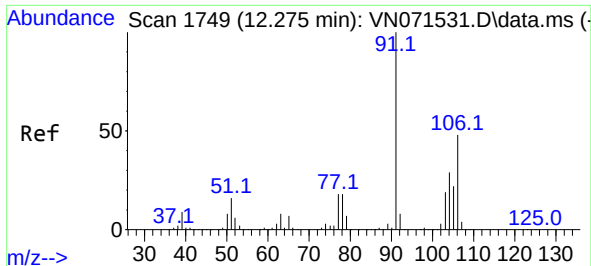
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#68
m/p-Xylenes
Concen: 747.750 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

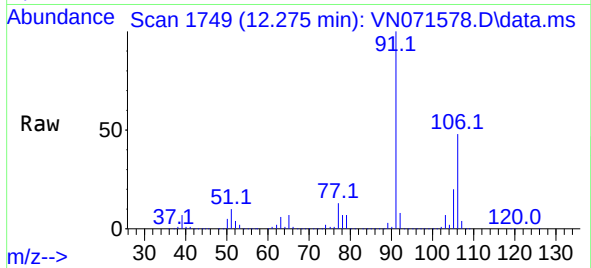
Tgt Ion:106 Resp:13573287
Ion Ratio Lower Upper
106 100
91 154.6 158.9 238.3#





#69
o-Xylene
Concen: 240.436 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

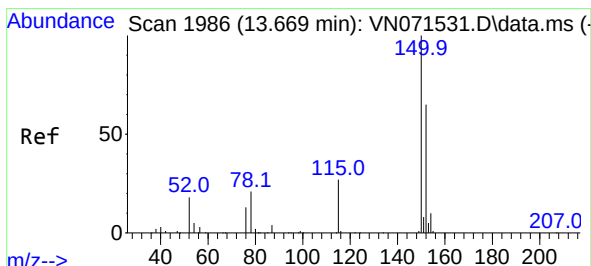
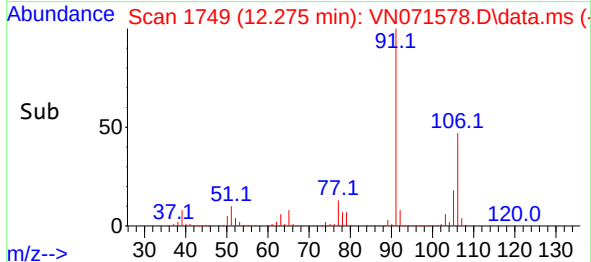
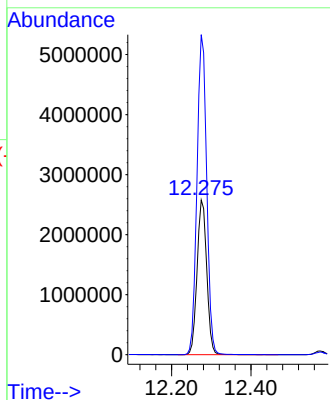
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion:106 Resp: 4335820
Ion Ratio Lower Upper
106 100
91 207.9 106.0 318.0

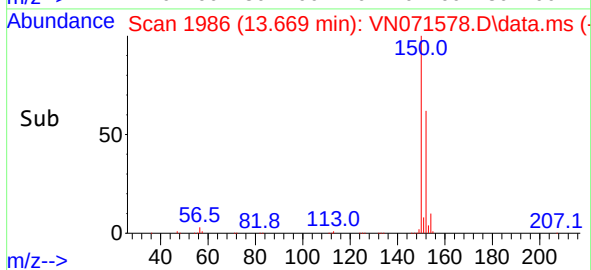
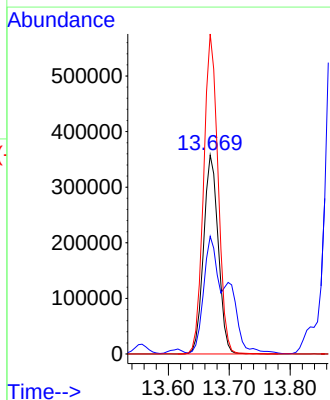
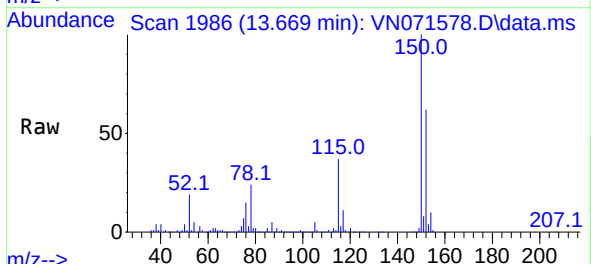
Manual Integrations
APPROVED

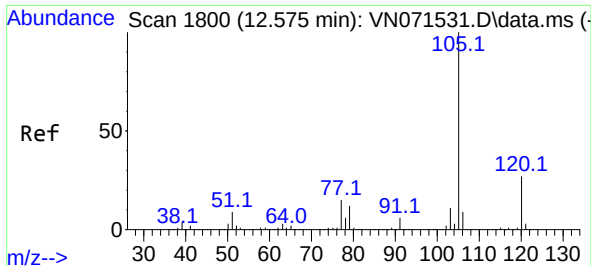
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

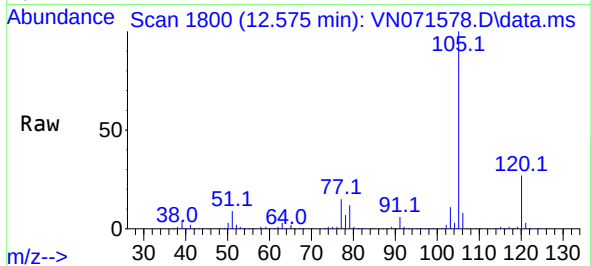
Tgt Ion:152 Resp: 597778
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 158.6 0.0 356.2





#73
Isopropylbenzene
Concen: 22.548 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

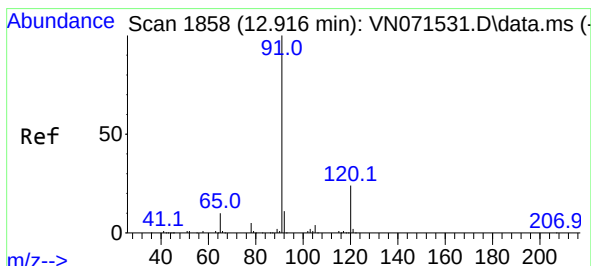
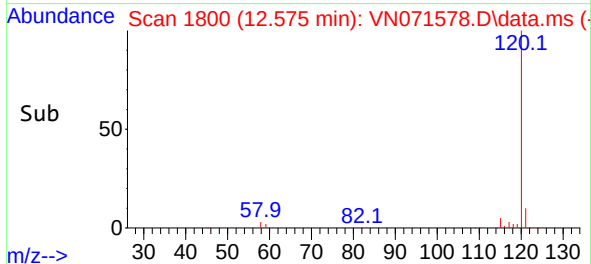
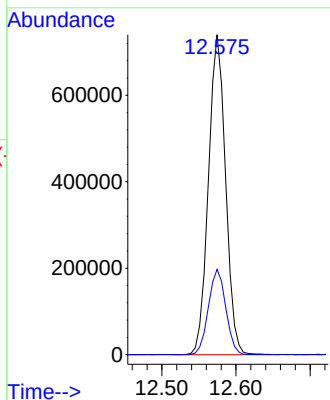
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion:105 Resp: 118834
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

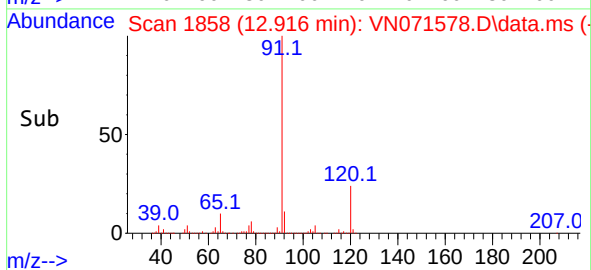
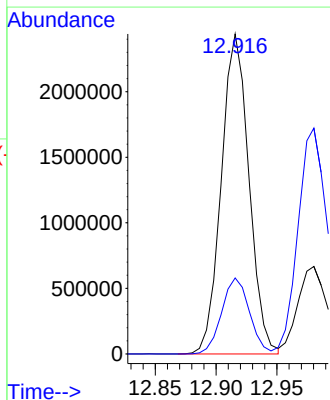
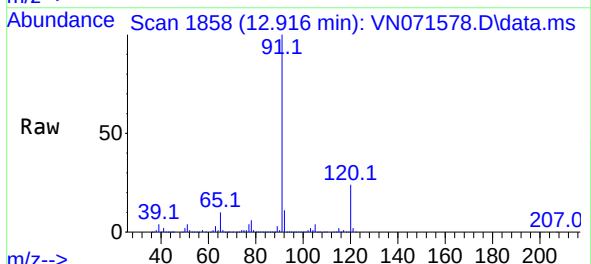
Manual Integrations
APPROVED

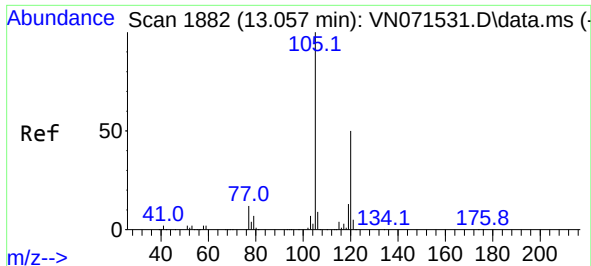
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#78
n-propylbenzene
Concen: 68.814 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

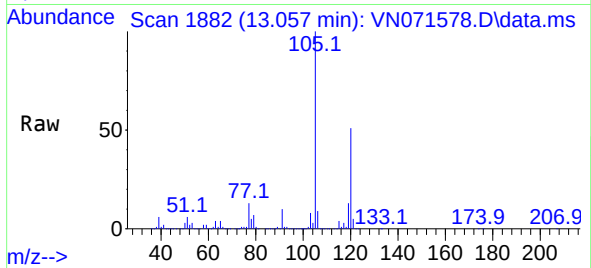
Tgt Ion: 91 Resp: 3858477
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 112.748 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

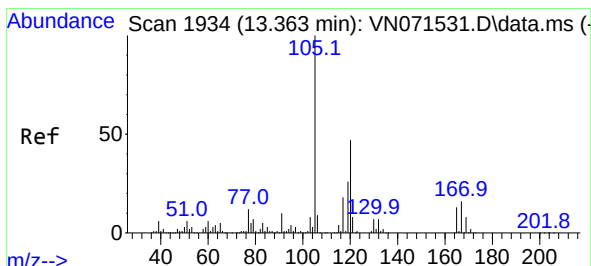
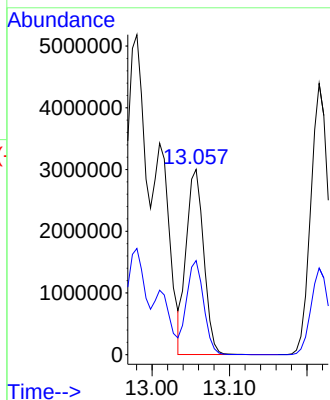
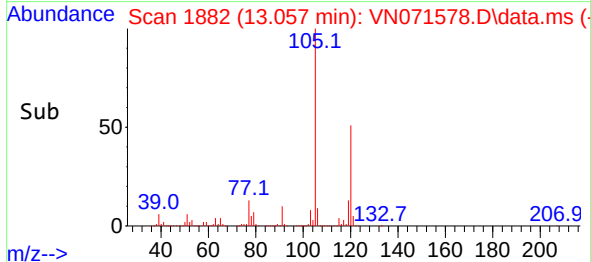
Instrument :
MSVOA_N
ClientSampleId :
MW-2



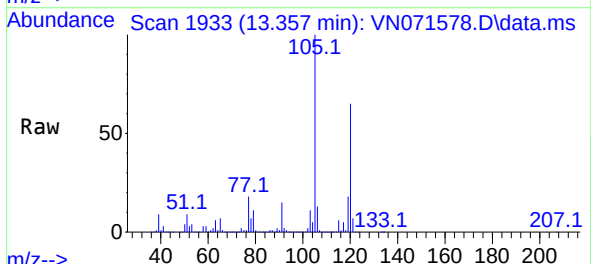
Tgt Ion:105 Resp: 4690508
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.7

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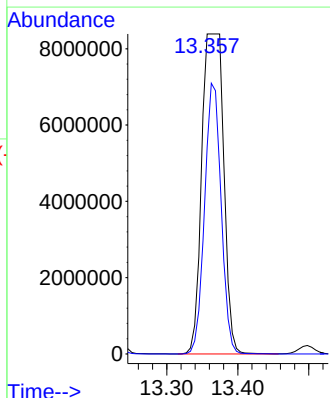
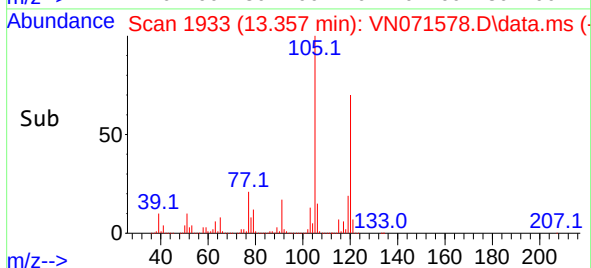
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

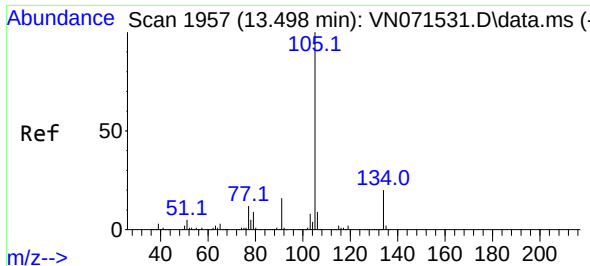


#84
1,2,4-Trimethylbenzene
Concen: 448.718 ug/l
RT: 13.357 min Scan# 1933
Delta R.T. -0.006 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26



Tgt Ion:105 Resp:18013637
Ion Ratio Lower Upper
105 100
120 63.8 23.3 69.8





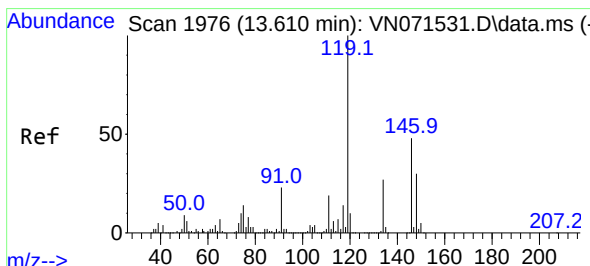
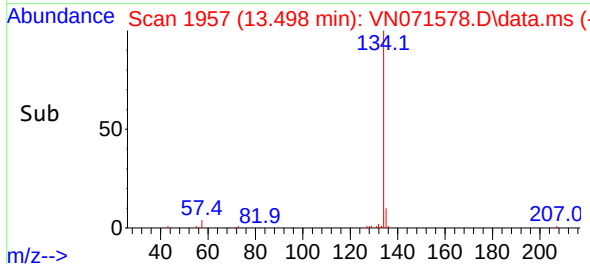
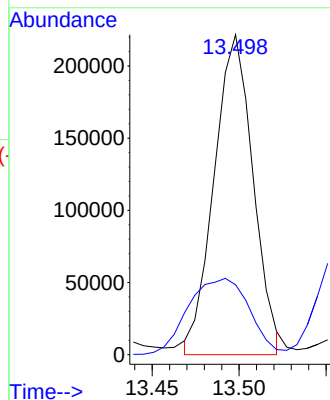
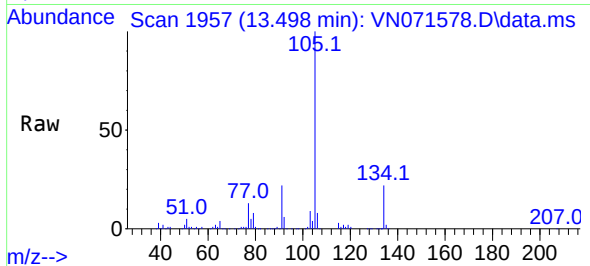
#85
 sec-Butylbenzene
 Concen: 6.931 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN071578.D
 Acq: 26 Mar 2022 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tgt Ion:105 Resp: 345000
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

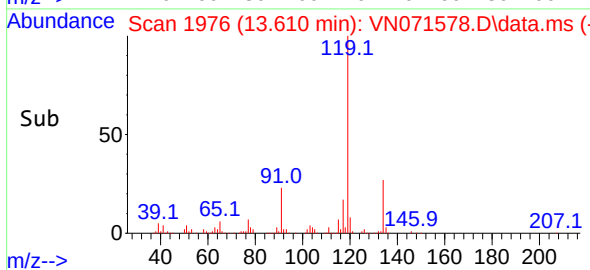
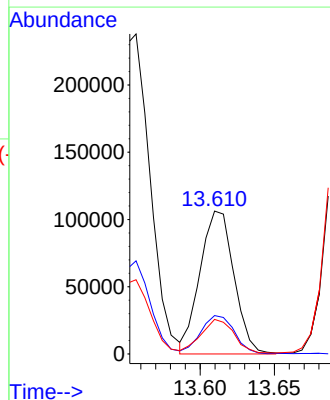
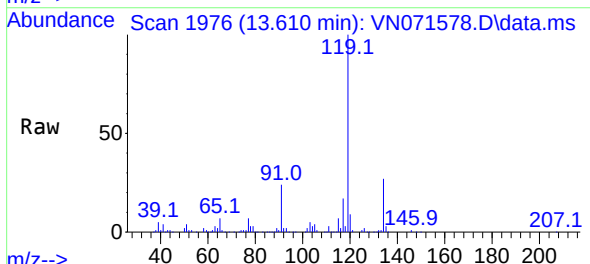
Manual Integrations
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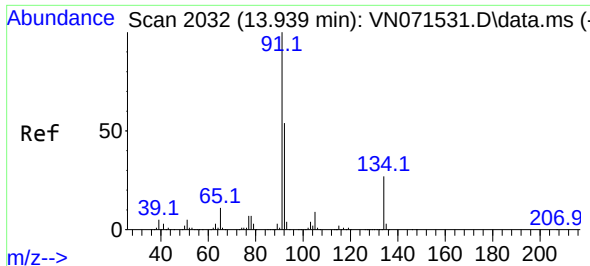
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#86
 p-Isopropyltoluene
 Concen: 4.263 ug/l m
 RT: 13.610 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VN071578.D
 Acq: 26 Mar 2022 17:26

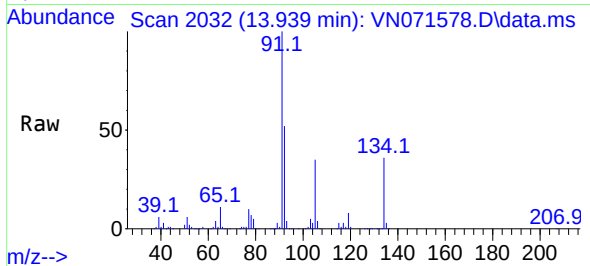
Tgt Ion:119 Resp: 169146
 Ion Ratio Lower Upper
 119 100
 134 62.3 13.3 39.8#
 91 47.9 11.3 33.9#





#89
n-Butylbenzene
Concen: 6.629 ug/l m
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

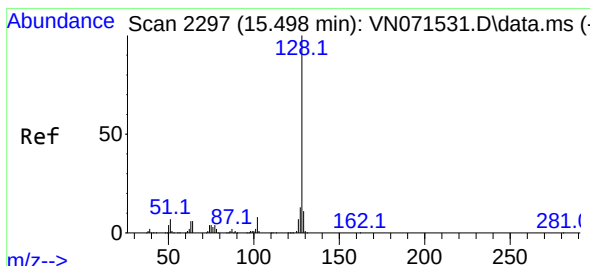
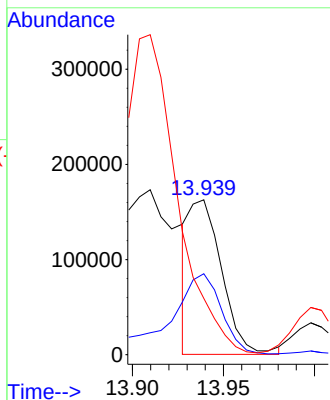
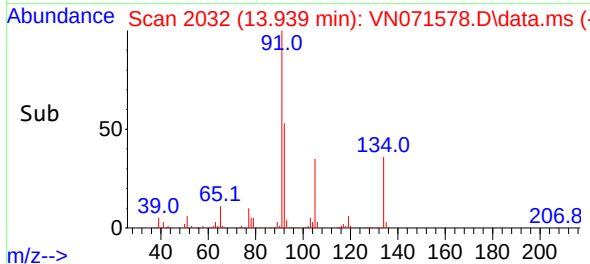
Instrument :
MSVOA_N
ClientSampleId :
MW-2



Tgt Ion: 91 Resp: 201459
Ion Ratio Lower Upper
91 100
92 73.0 26.9 80.7
134 78.6 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: 123.951 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071578.D
Acq: 26 Mar 2022 17:26

Tgt Ion:128 Resp: 3925715
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.6 13.0

