

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073958.D
 Acq On : 16 Aug 2022 19:04
 Operator : JC\MD
 Sample : N4204-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/17/2022
 Supervised By : Mahesh Dadoda 08/17/2022

Quant Time: Aug 17 01:20:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	660963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	949673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	927632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	552090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	300598	46.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.380%		
35) Dibromofluoromethane	7.951	113	295921	52.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.380%		
50) Toluene-d8	10.380	98	1032840	47.484	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.960%		
62) 4-Bromofluorobenzene	12.674	95	462637	64.087	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	128.180%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.298	59	46773	32.481	ug/l #	72
25) 2-Butanone	7.263	43	106423	22.098	ug/l	93
31) Cyclohexane	8.027	56	1217145	135.623	ug/l	95
39) Methylcyclohexane	9.398	83	756714	77.417	ug/l	97
40) Benzene	8.392	78	2629748	106.811	ug/l	99
52) Toluene	10.445	92	4369027	258.788	ug/l	98
67) Ethyl Benzene	11.774	91	24262759m	740.034	ug/l	
68) m/p-Xylenes	11.898	106	6240725	468.478	ug/l	95
69) o-Xylene	12.221	106	517684	38.753	ug/l	97
73) Isopropylbenzene	12.515	105	17103120	425.435	ug/l	84
78) n-propylbenzene	12.851	91	18647284	435.147	ug/l	76
80) 1,3,5-Trimethylbenzene	13.004	105	3390142	103.676	ug/l	96
83) tert-Butylbenzene	13.262	119	17878m	0.594	ug/l	
84) 1,2,4-Trimethylbenzene	13.309	105	6939087	212.504	ug/l	98
85) sec-Butylbenzene	13.439	105	622475	15.959	ug/l #	63
86) p-Isopropyltoluene	13.556	119	50532	1.521	ug/l #	51
89) n-Butylbenzene	13.880	91	553500	21.030	ug/l #	78
95) Naphthalene	15.433	128	16417128	424.583	ug/l	98

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

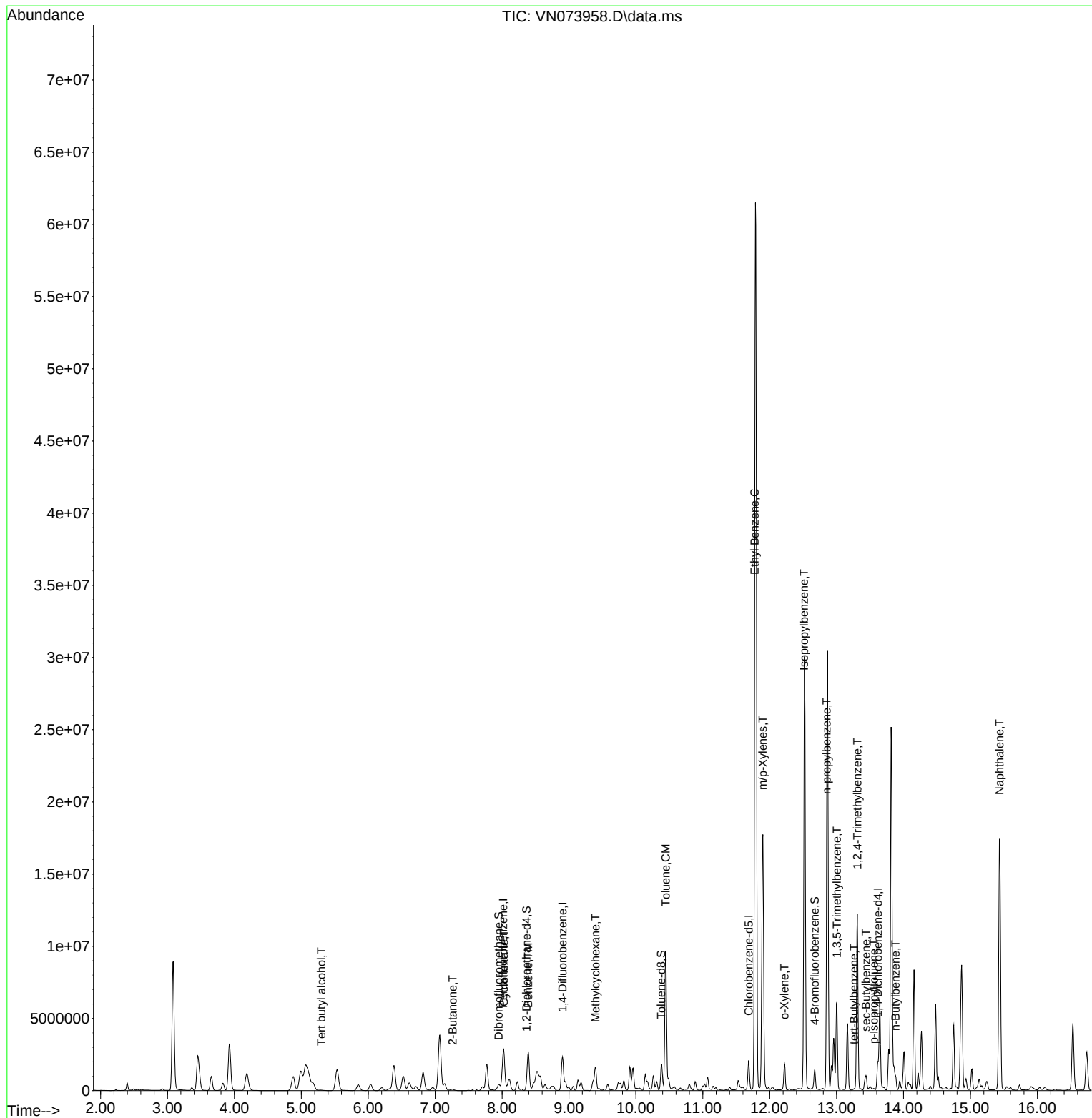
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
Data File : VN073958.D
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Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
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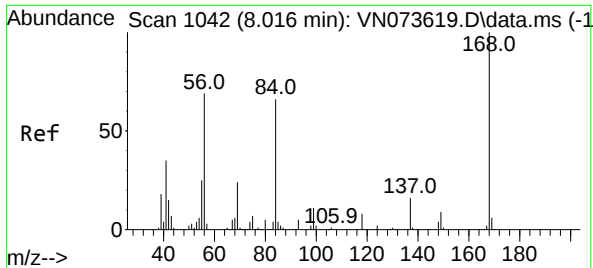
Instrument :
MSVOA_N
ClientSampleId :
MW-3

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Quant Title : SW846 8260
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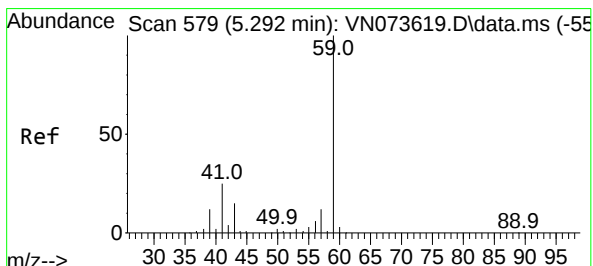
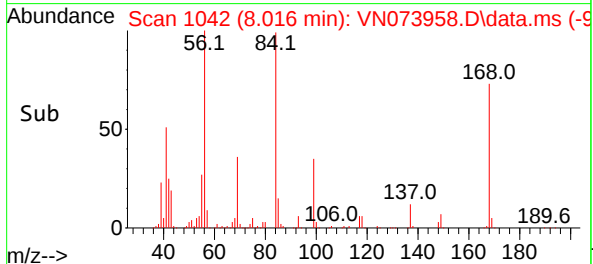
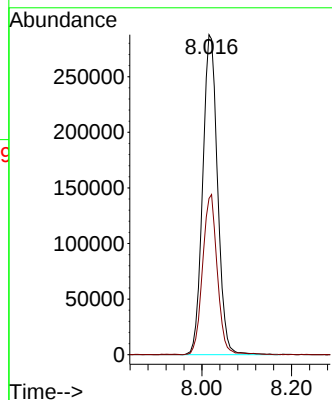
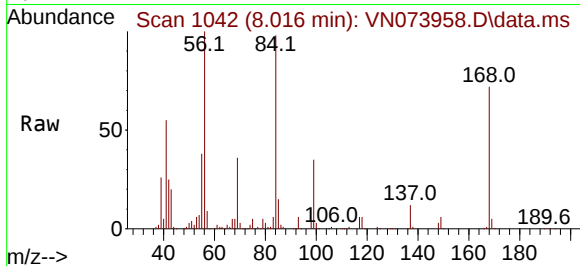
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 66096
Ion Ratio Lower Upper
168 100
99 48.8 42.3 63.5

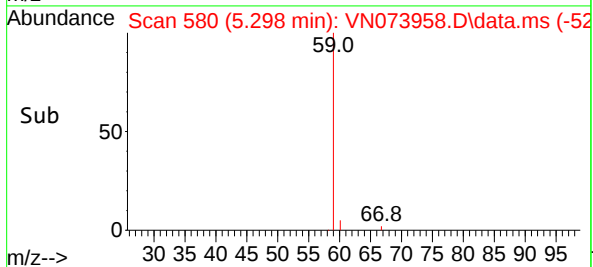
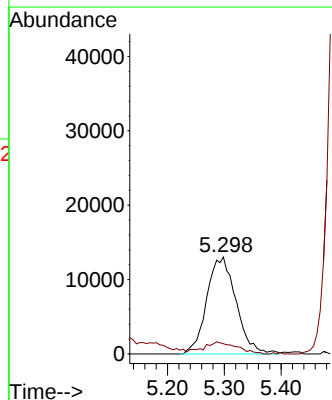
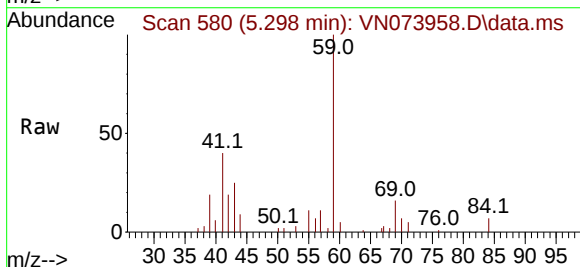
Manual Integrations
APPROVED

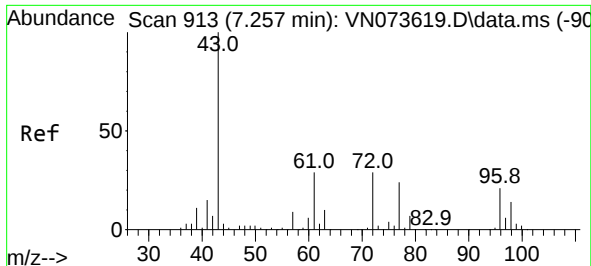
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#11
Tert butyl alcohol
Concen: 32.481 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

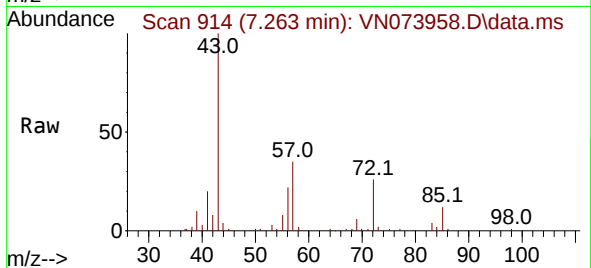
Tgt Ion: 59 Resp: 46773
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#25
2-Butanone
Concen: 22.098 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

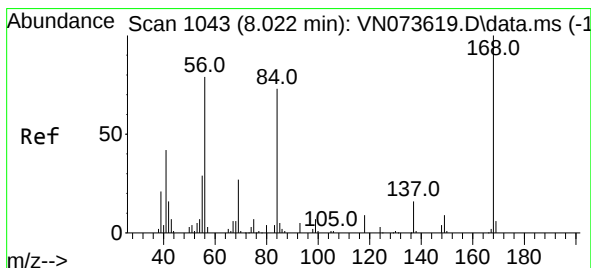
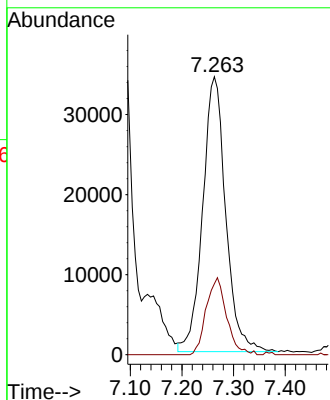
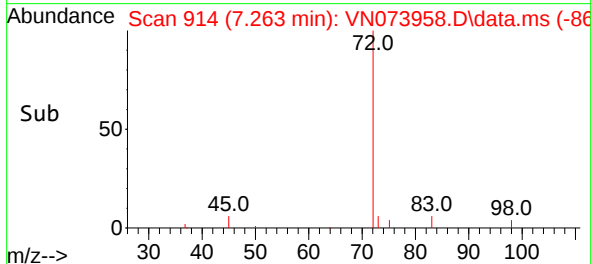
Instrument :
MSVOA_N
ClientSampleId :
MW-3



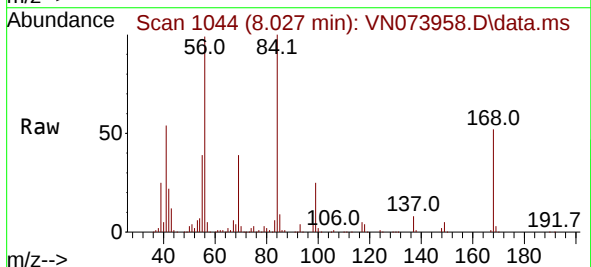
Tgt Ion: 43 Resp: 106423
Ion Ratio Lower Upper
43 100
72 25.8 23.7 35.5

Manual Integrations
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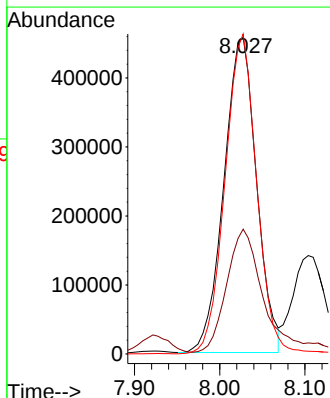
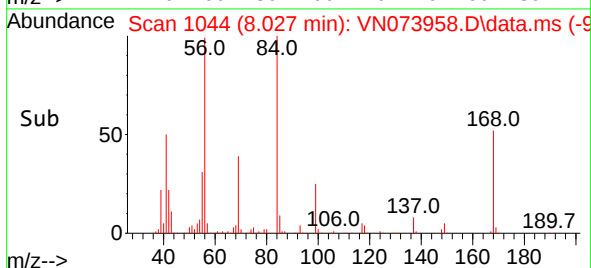
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022

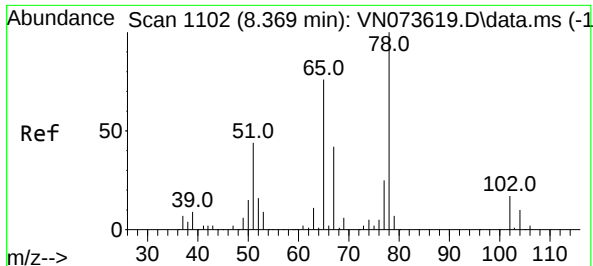


#31
Cyclohexane
Concen: 135.623 ug/l
RT: 8.027 min Scan# 1044
Delta R.T. 0.005 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04



Tgt Ion: 56 Resp: 1217145
Ion Ratio Lower Upper
56 100
69 37.9 27.8 41.8
84 101.4 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 46.693 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073958.D

Acq: 16 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tgt Ion: 65 Resp: 300598

Ion Ratio Lower Upper

65 100

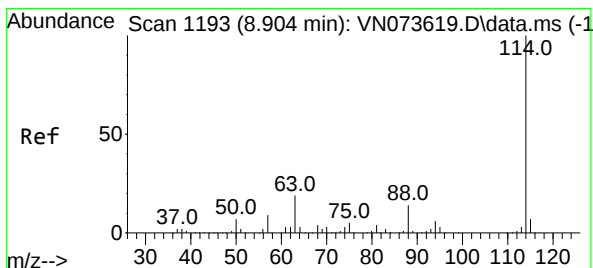
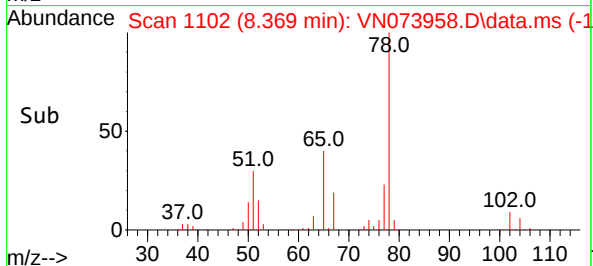
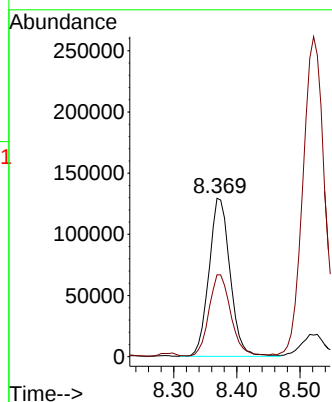
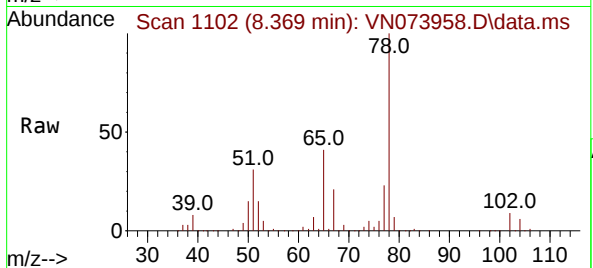
67 53.1 0.0 104.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/17/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073958.D

Acq: 16 Aug 2022 19:04

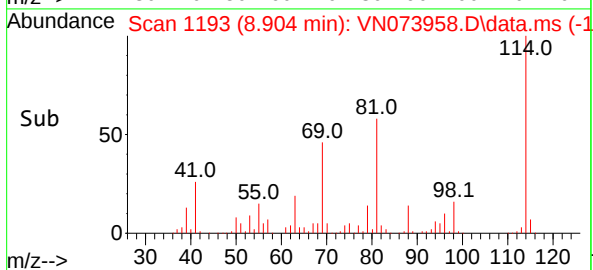
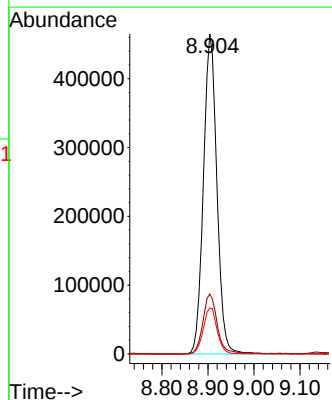
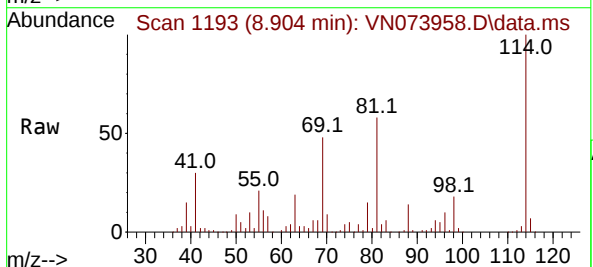
Tgt Ion:114 Resp: 949673

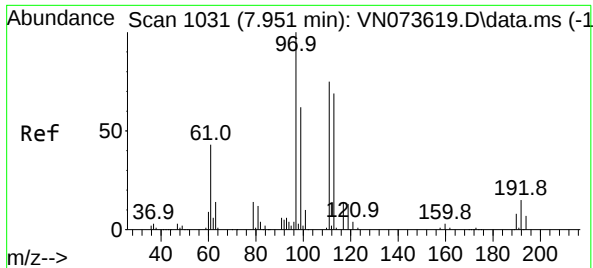
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

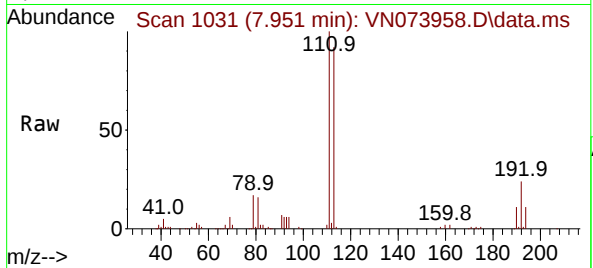
88 14.3 0.0 32.6





#35
Dibromofluoromethane
Concen: 52.690 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

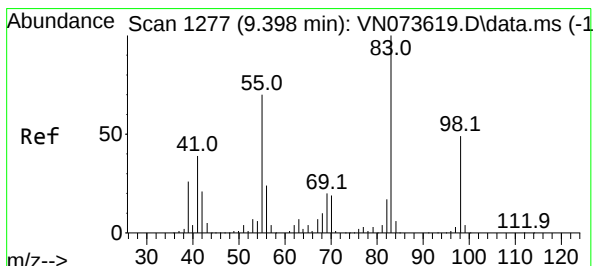
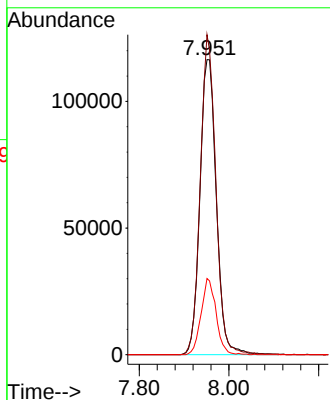
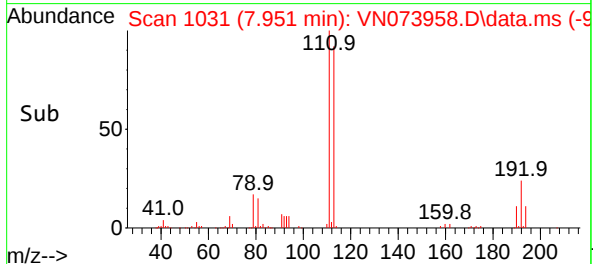
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion: 113 Resp: 29592
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 23.6 17.0 25.6

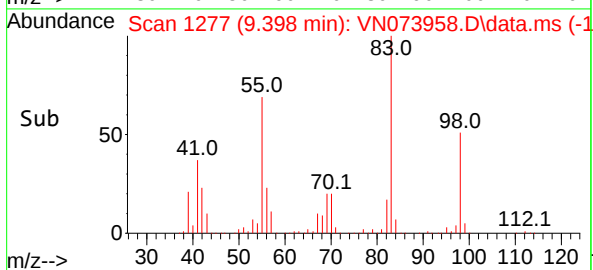
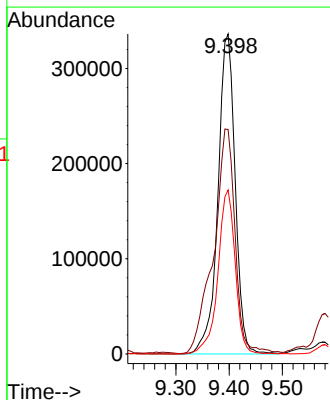
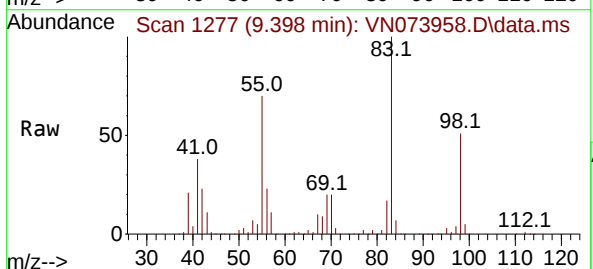
Manual Integrations
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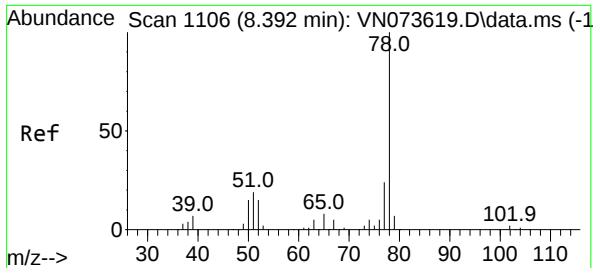
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#39
Methylcyclohexane
Concen: 77.417 ug/l
RT: 9.398 min Scan# 1277
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

Tgt Ion: 83 Resp: 756714
Ion Ratio Lower Upper
83 100
55 70.0 57.8 86.8
98 51.2 39.4 59.2





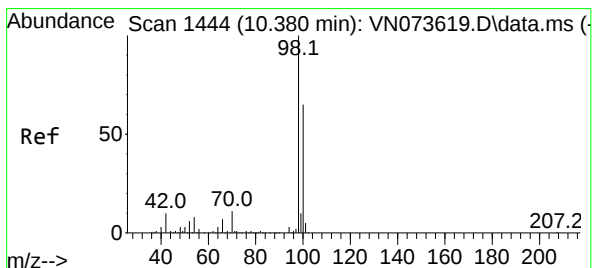
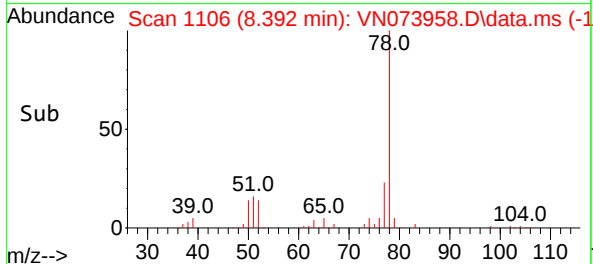
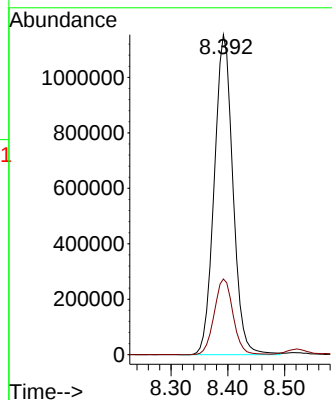
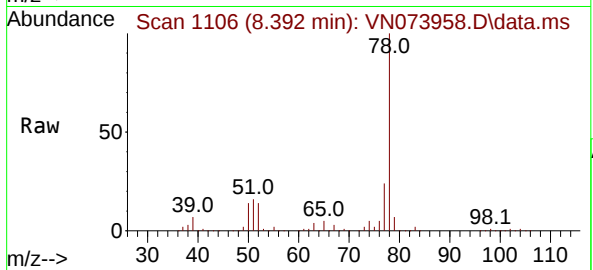
#40
Benzene
Concen: 106.811 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 78 Resp: 262974
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

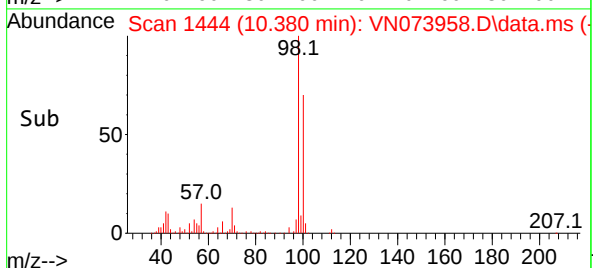
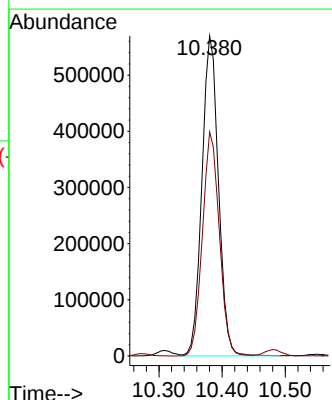
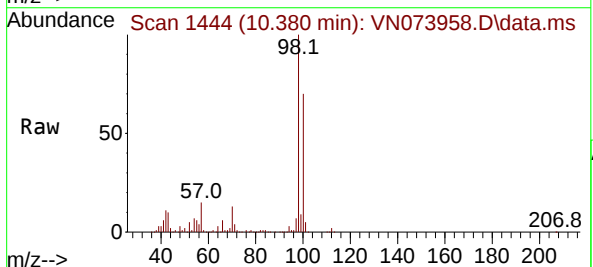
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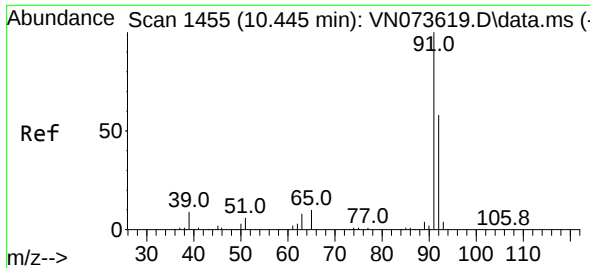
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#50
Toluene-d8
Concen: 47.484 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

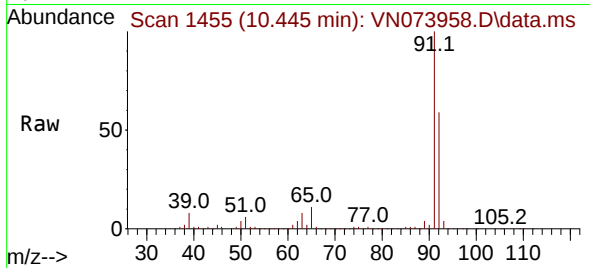
Tgt Ion: 98 Resp: 1032840
Ion Ratio Lower Upper
98 100
100 71.7 52.6 78.8





#52
Toluene
Concen: 258.788 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

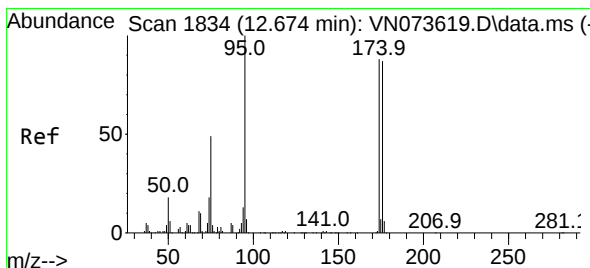
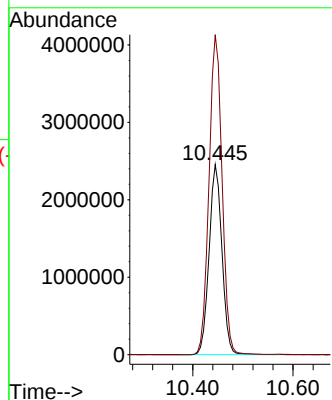
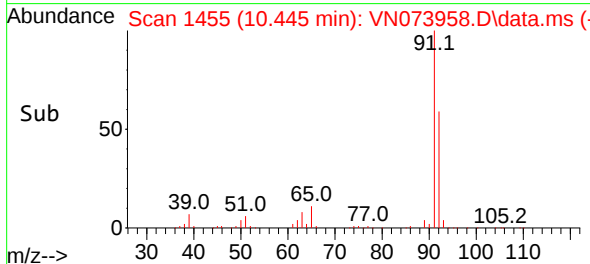
Instrument :
MSVOA_N
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MW-3



Tgt Ion: 92 Resp: 436902
Ion Ratio Lower Upper
92 100
91 171.1 138.6 207.8

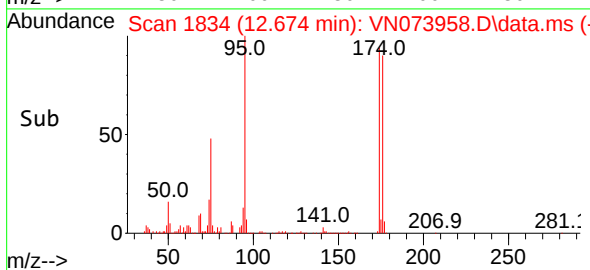
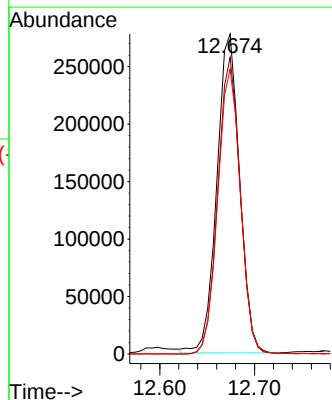
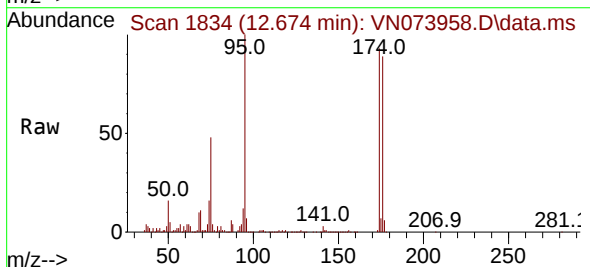
Manual Integrations
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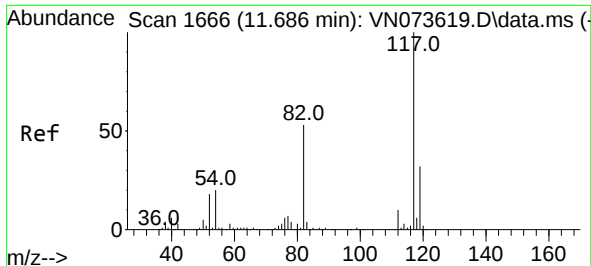
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#62
4-Bromofluorobenzene
Concen: 64.087 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

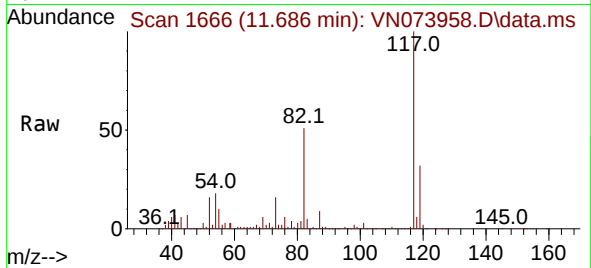
Tgt Ion: 95 Resp: 462637
Ion Ratio Lower Upper
95 100
174 91.6 0.0 167.6
176 89.1 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

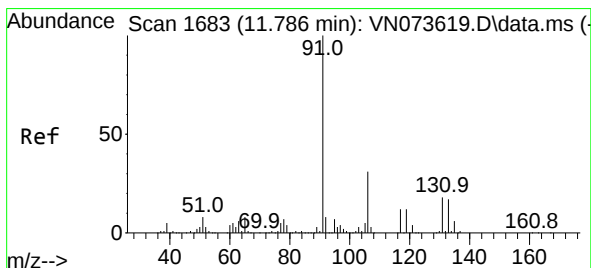
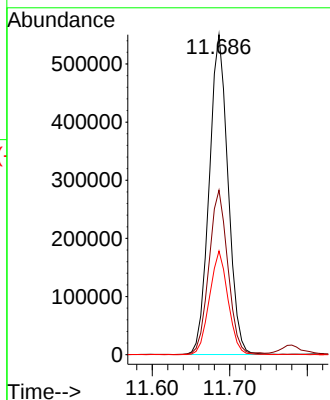
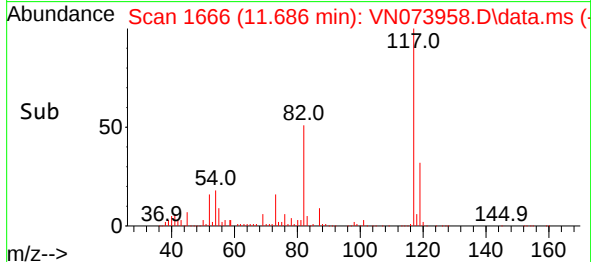
Instrument :
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ClientSampleId :
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Tgt Ion:117 Resp: 927632
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.2
119 32.4 25.4 38.0

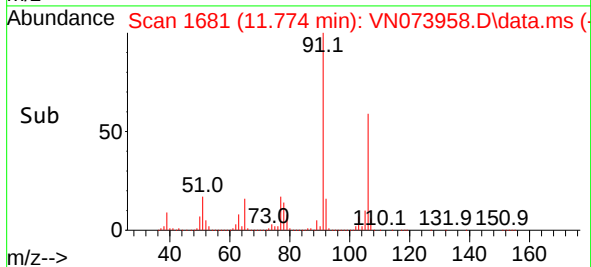
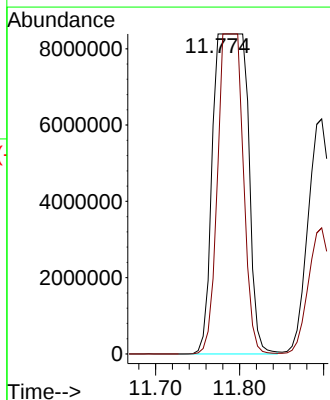
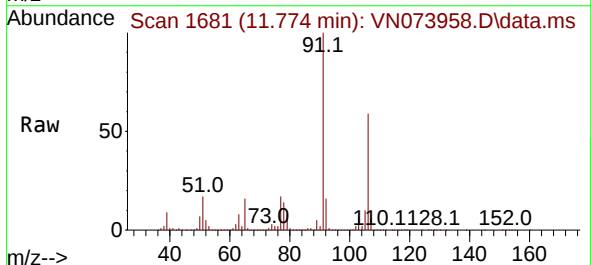
Manual Integrations
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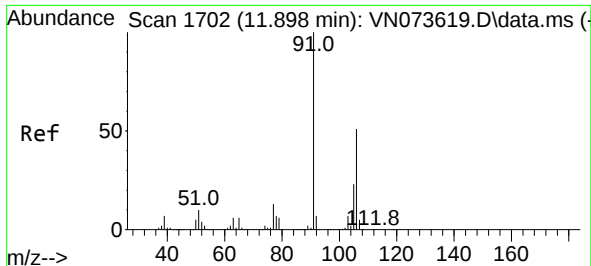
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#67
Ethyl Benzene
Concen: 740.034 ug/l m
RT: 11.774 min Scan# 1681
Delta R.T. -0.012 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

Tgt Ion: 91 Resp:24262759
Ion Ratio Lower Upper
91 100
106 59.4 24.9 37.3#





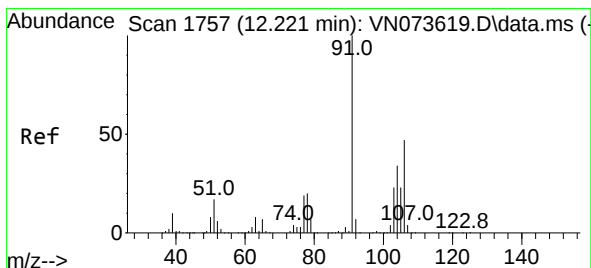
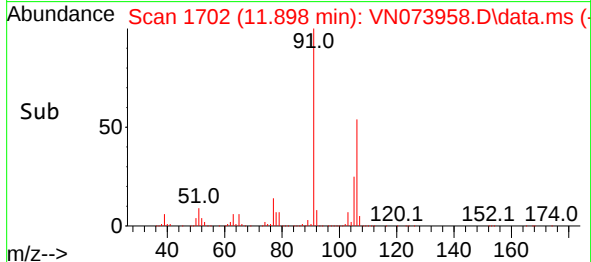
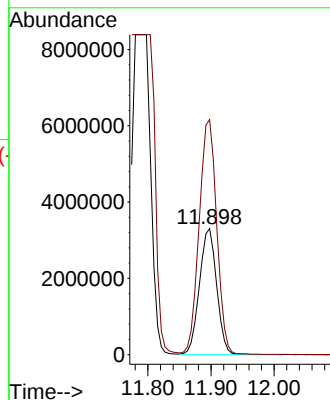
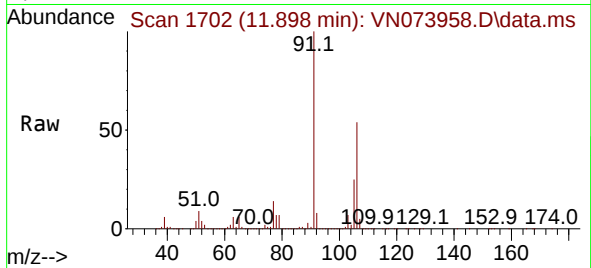
#68
m/p-Xylenes
Concen: 468.478 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:106 Resp: 6240725
Ion Ratio Lower Upper
106 100
91 191.2 158.9 238.3

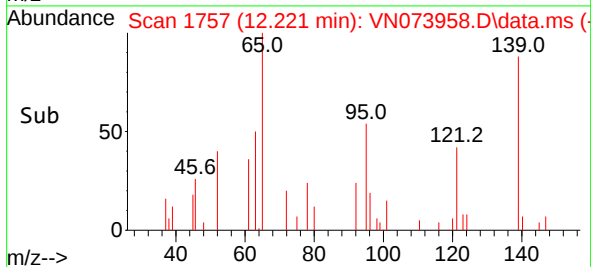
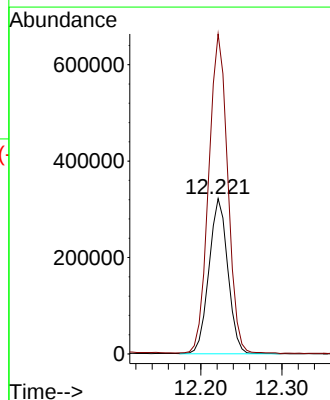
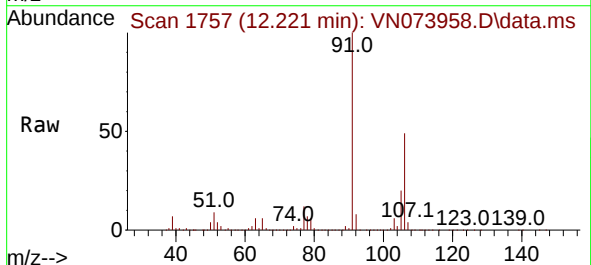
Manual Integrations
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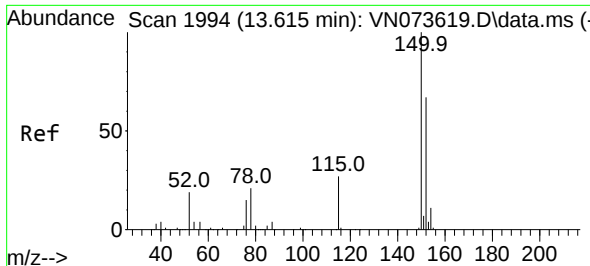
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#69
o-Xylene
Concen: 38.753 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

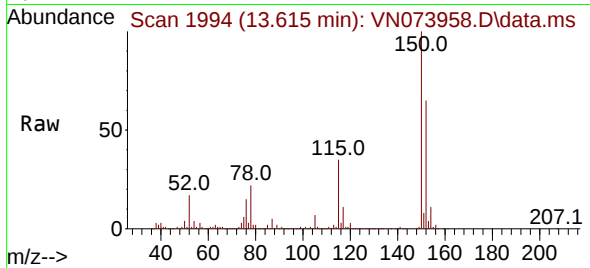
Tgt Ion:106 Resp: 517684
Ion Ratio Lower Upper
106 100
91 207.9 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

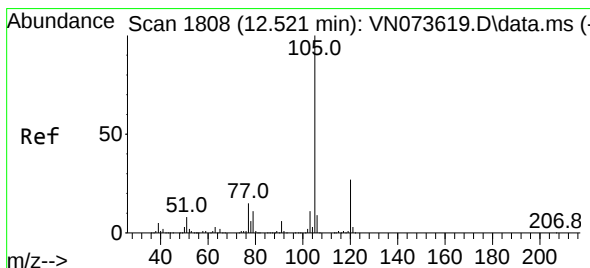
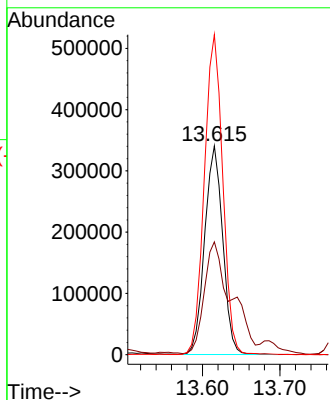
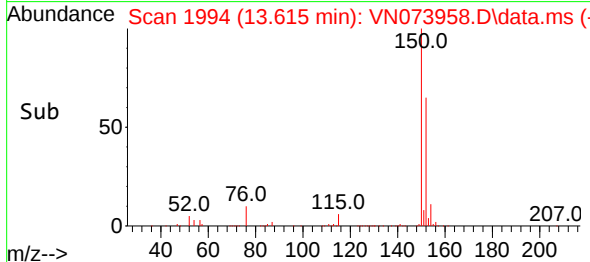
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion:152 Resp: 552090
Ion Ratio Lower Upper
152 100
115 80.5 28.9 86.7
150 156.1 0.0 356.2

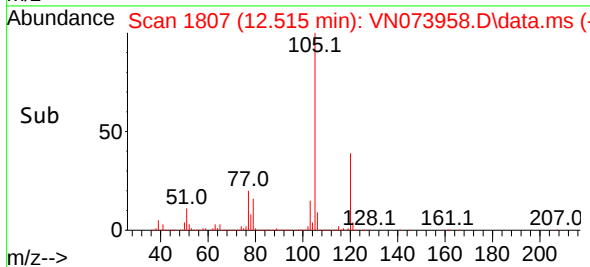
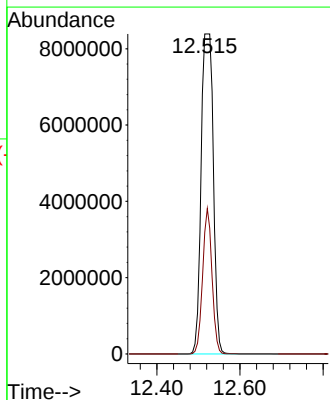
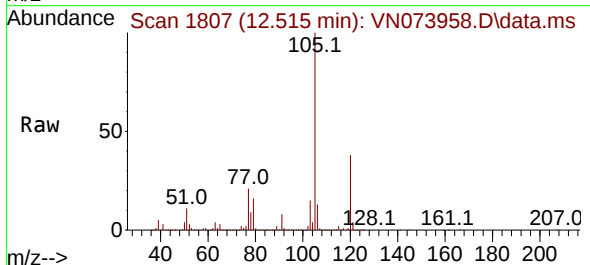
Manual Integrations
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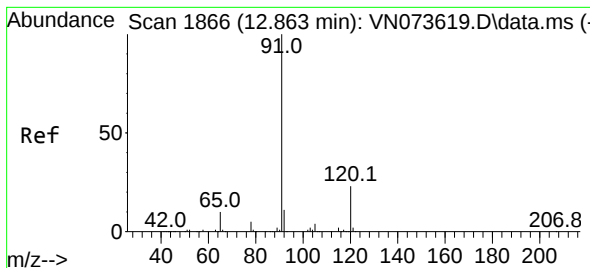
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#73
Isopropylbenzene
Concen: 425.435 ug/l
RT: 12.515 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

Tgt Ion:105 Resp:17103120
Ion Ratio Lower Upper
105 100
120 34.9 13.5 40.4





#78

n-propylbenzene

Concen: 435.147 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.012 min

Lab File: VN073958.D

Acq: 16 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tgt Ion: 91 Resp:18647284

Ion Ratio Lower Upper

91 100

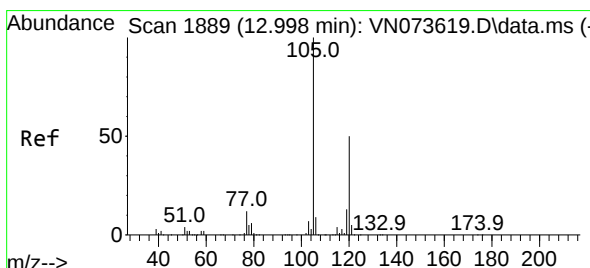
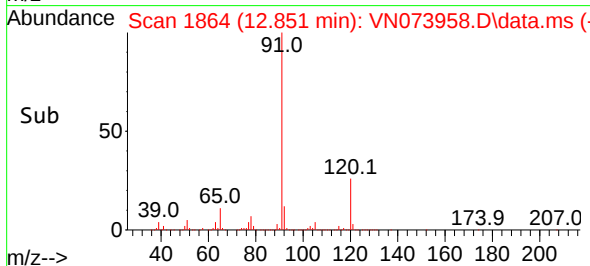
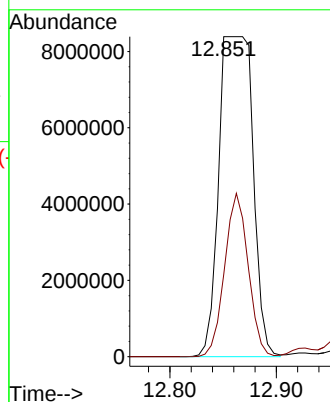
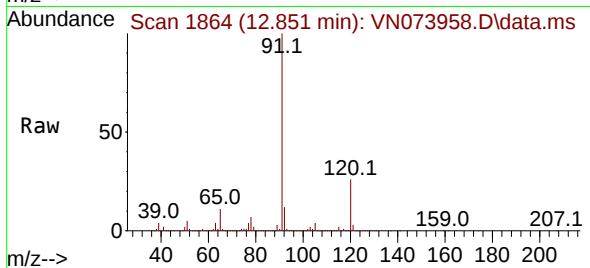
120 35.3 11.9 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Mahesh Dadoda 08/17/2022



#80

1,3,5-Trimethylbenzene

Concen: 103.676 ug/l

RT: 13.004 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN073958.D

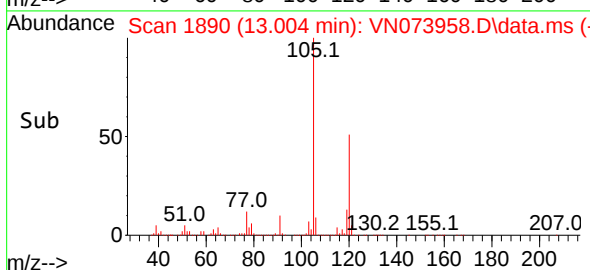
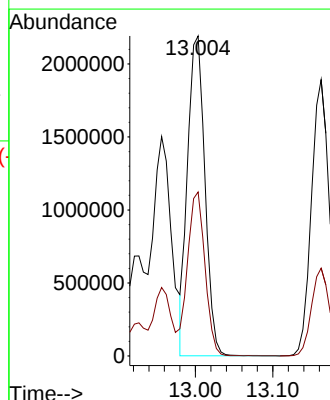
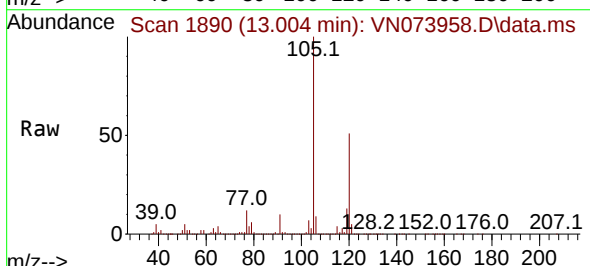
Acq: 16 Aug 2022 19:04

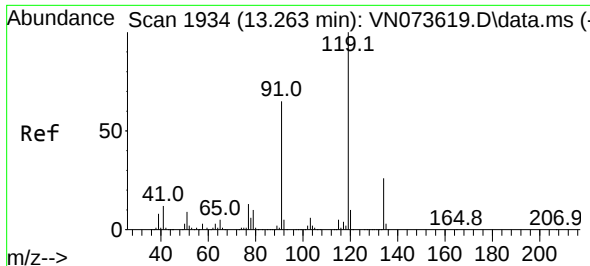
Tgt Ion:105 Resp: 3390142

Ion Ratio Lower Upper

105 100

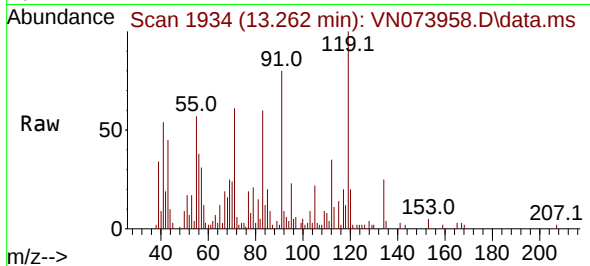
120 52.6 24.9 74.7





#83
tert-Butylbenzene
Concen: 0.594 ug/l m
RT: 13.262 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

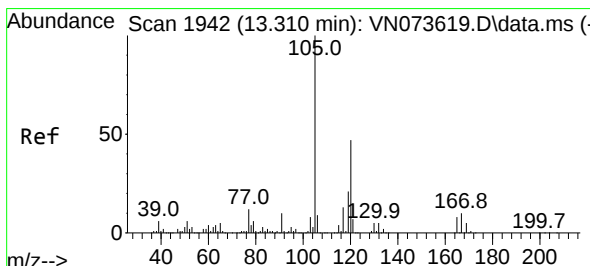
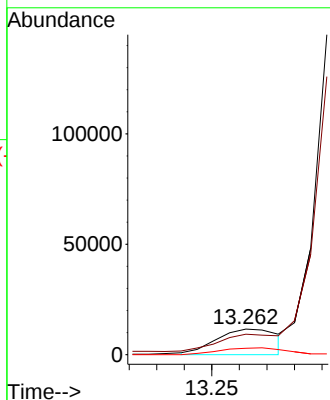
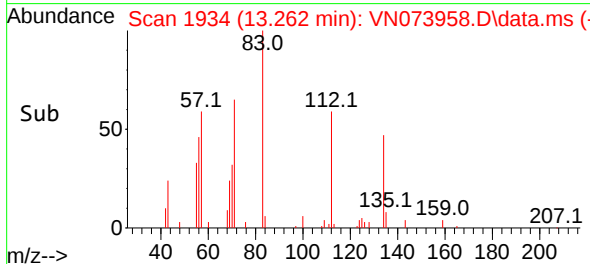
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion:119 Resp: 17878
Ion Ratio Lower Upper
119 100
91 4043.6 31.6 94.8
134 0.0 13.7 41.1

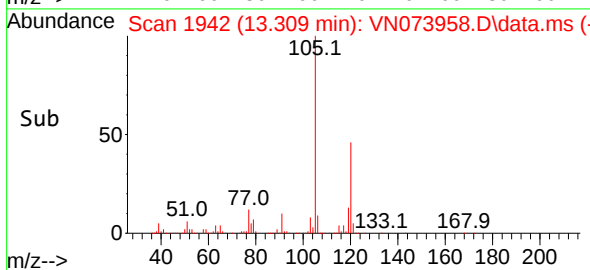
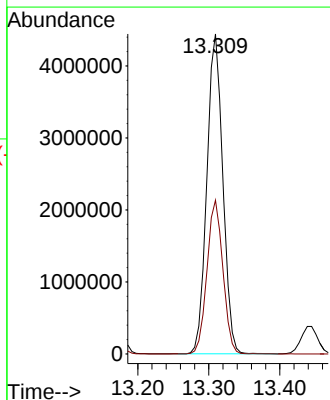
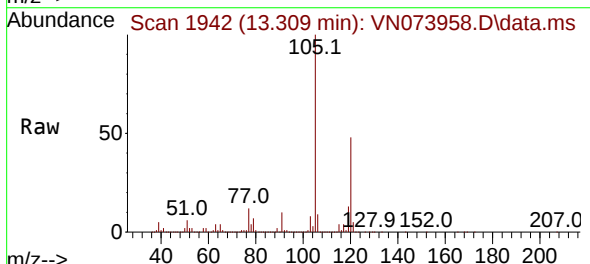
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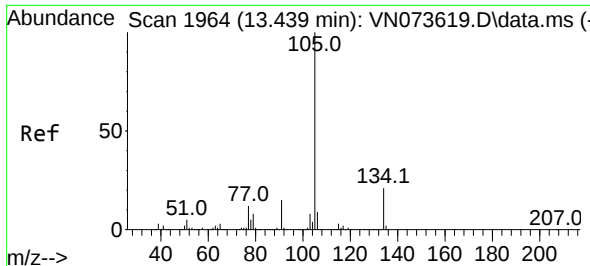
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#84
1,2,4-Trimethylbenzene
Concen: 212.504 ug/l
RT: 13.309 min Scan# 1942
Delta R.T. -0.001 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

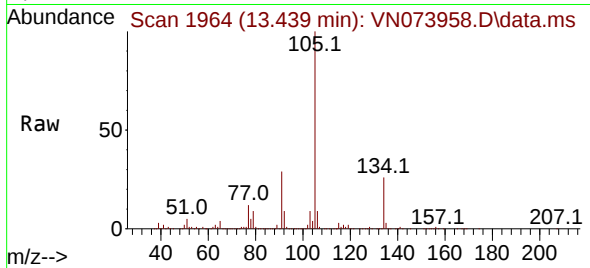
Tgt Ion:105 Resp: 6939087
Ion Ratio Lower Upper
105 100
120 47.8 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 15.959 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VN073958.D
 Acq: 16 Aug 2022 19:04

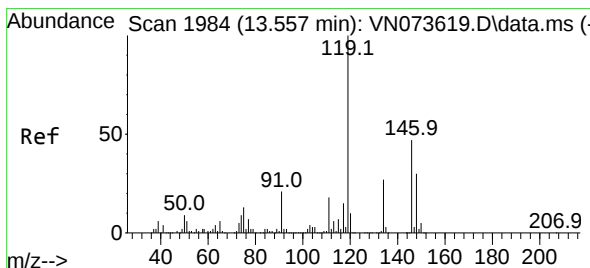
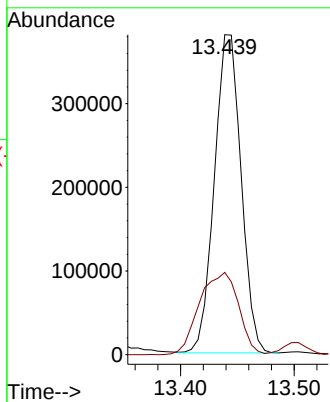
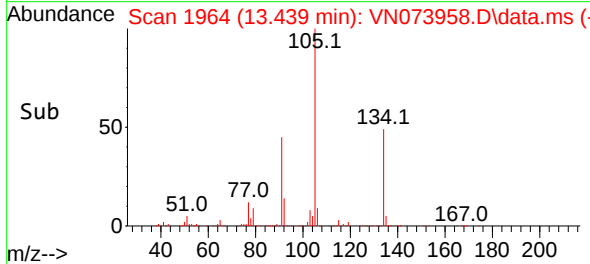
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3



Tgt Ion:105 Resp: 622475
 Ion Ratio Lower Upper
 105 100
 134 37.8 10.4 31.1

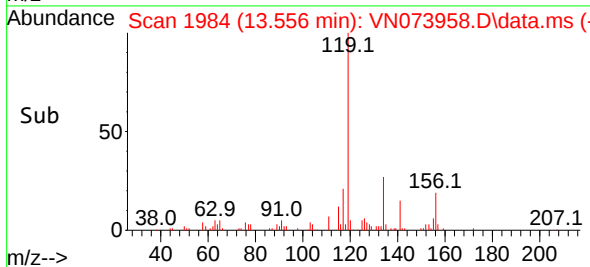
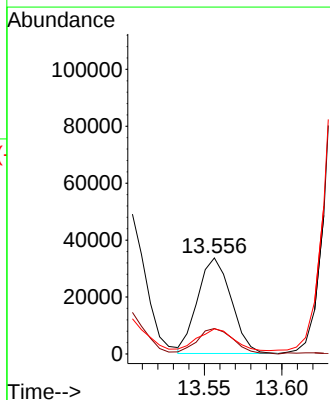
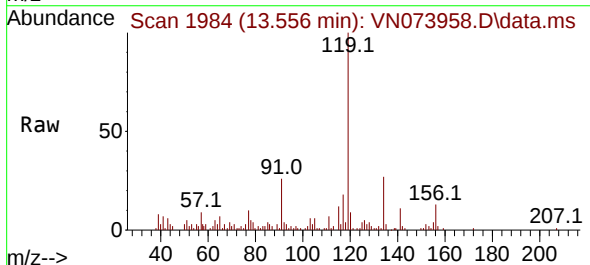
Manual Integrations
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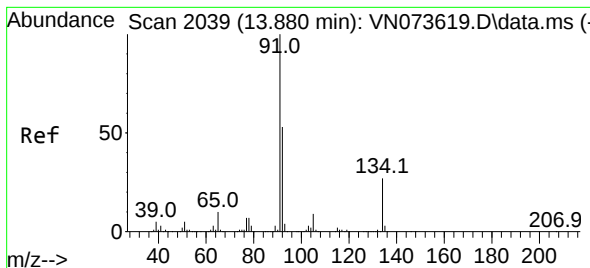
Reviewed By :John Carlone 08/17/2022
 Supervised By :Mahesh Dadoda 08/17/2022



#86
 p-Isopropyltoluene
 Concen: 1.521 ug/l
 RT: 13.556 min Scan# 1984
 Delta R.T. -0.001 min
 Lab File: VN073958.D
 Acq: 16 Aug 2022 19:04

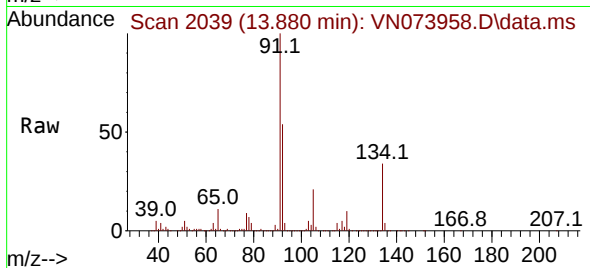
Tgt Ion:119 Resp: 50532
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.3 39.8#
 91 0.0 11.3 33.9#





#89
n-Butylbenzene
Concen: 21.030 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04

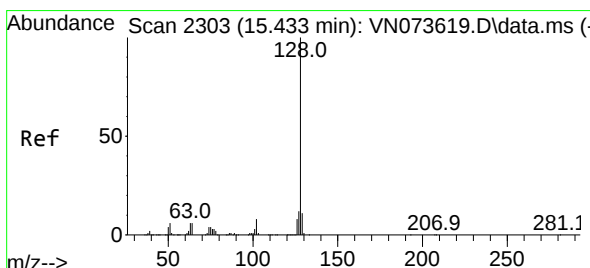
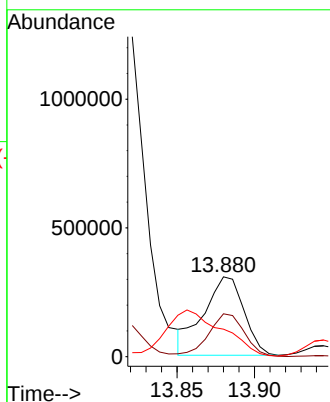
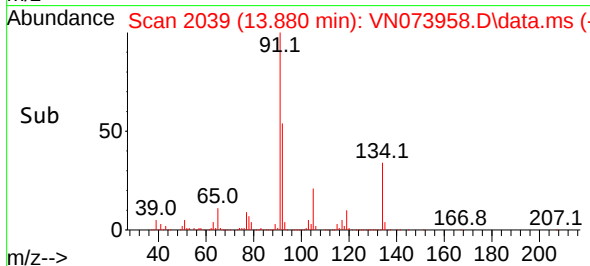
Instrument :
MSVOA_N
ClientSampleId :
MW-3



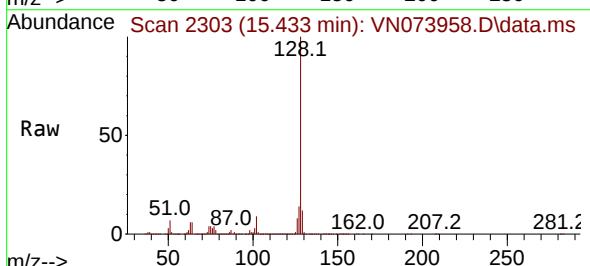
Tgt Ion: 91 Resp: 553500
Ion Ratio Lower Upper
91 100
92 48.8 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#95
Naphthalene
Concen: 424.583 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN073958.D
Acq: 16 Aug 2022 19:04



Tgt Ion:128 Resp:16417128
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.7 8.6 13.0

