

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062522\
 Data File : VN073114.D
 Acq On : 25 Jun 2022 16:43
 Operator : JC\MD
 Sample : N3454-07
 Misc : 5.01g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-1-GR

Manual Integrations
 APPROVED

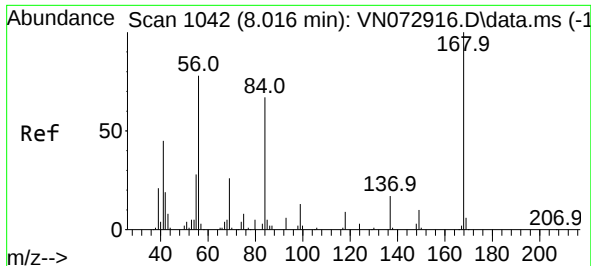
Reviewed By : John Carlone 06/27/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 03:43:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

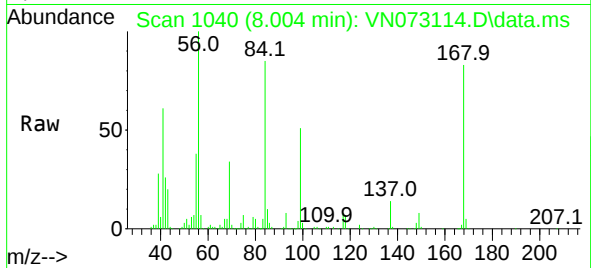
Internal Standards						
1) Pentafluorobenzene	8.004	168	354102	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	566399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	538783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	320980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	200255	41.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.660%		
35) Dibromofluoromethane	7.945	113	172737	49.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	10.374	98	675216	51.833	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.660%		
62) 4-Bromofluorobenzene	12.668	95	337316	72.011	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	144.020%#		
Target Compounds					Qvalue	
16) Acetone	4.251	43	14392	5.469	ug/l #	87
18) Methyl Acetate	4.787	43	30439	4.344	ug/l	92
31) Cyclohexane	8.004	56	496903	76.732	ug/l	91
39) Methylcyclohexane	9.386	83	1368935	239.752	ug/l	95
40) Benzene	8.380	78	38712	2.600	ug/l	98
52) Toluene	10.439	92	63181	6.913	ug/l	99
67) Ethyl Benzene	11.780	91	190559	10.288	ug/l	96
68) m/p-Xylenes	11.892	106	246525	33.934	ug/l	95
69) o-Xylene	12.216	106	394131	54.292	ug/l	95
73) Isopropylbenzene	12.515	105	714563	28.776	ug/l	100
78) n-propylbenzene	12.857	91	1142352	41.823	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	1307993	64.126	ug/l	96
83) tert-Butylbenzene	13.262	119	68779	3.682	ug/l	88
84) 1,2,4-Trimethylbenzene	13.304	105	4965583	244.417	ug/l	98
85) sec-Butylbenzene	13.439	105	894233	35.884	ug/l #	77
86) p-Isopropyltoluene	13.551	119	657773	32.602	ug/l	98
89) n-Butylbenzene	13.880	91	699750m	42.475	ug/l	
95) Naphthalene	15.433	128	1647340	66.435	ug/l	98

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

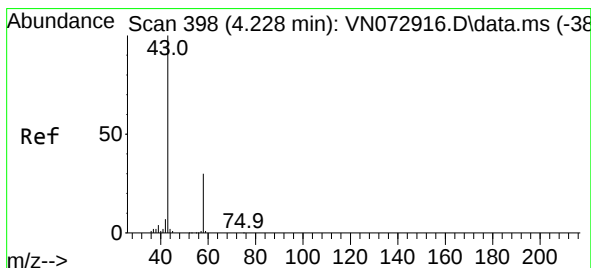
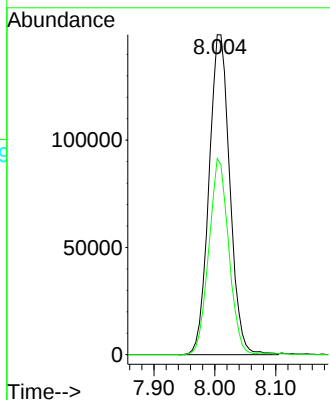
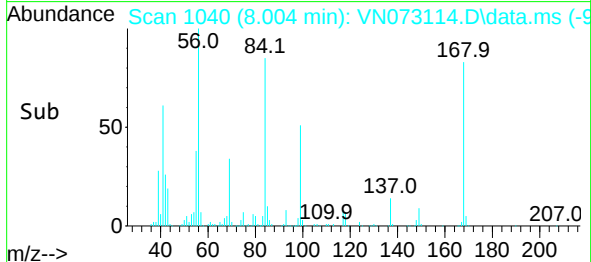
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion:168 Resp: 35410
Ion Ratio Lower Upper
168 100
99 61.3 42.3 63.5

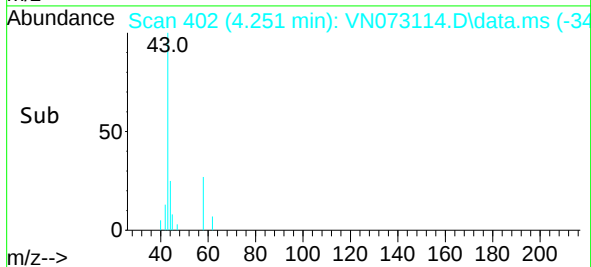
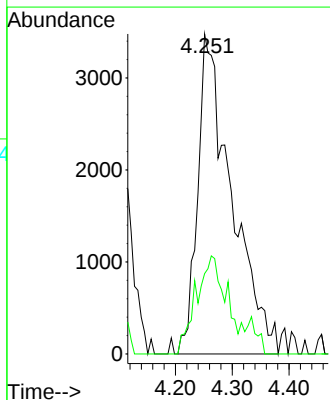
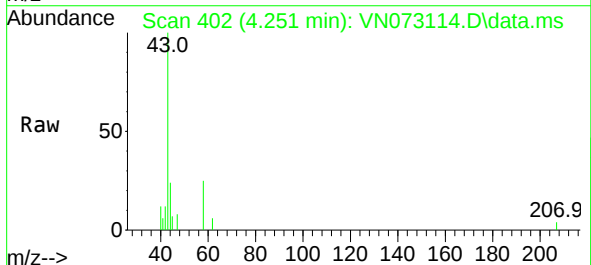
Manual Integrations
APPROVED

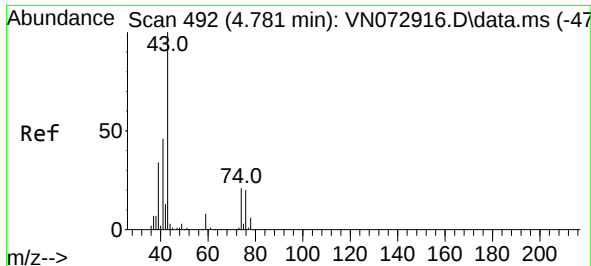
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#16
Acetone
Concen: 5.469 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

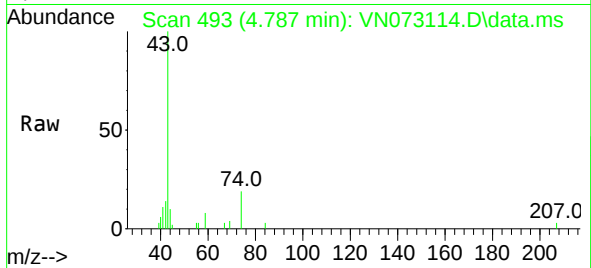
Tgt Ion: 43 Resp: 14392
Ion Ratio Lower Upper
43 100
58 25.1 26.0 39.0#





#18
Methyl Acetate
Concen: 4.344 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

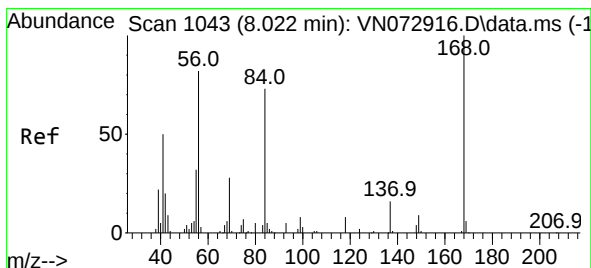
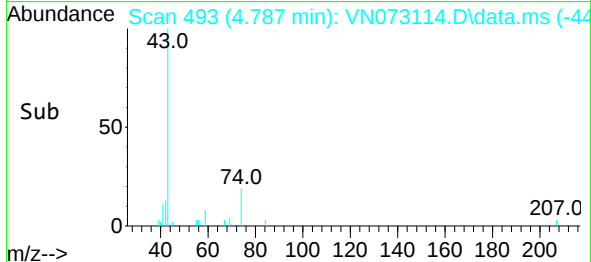
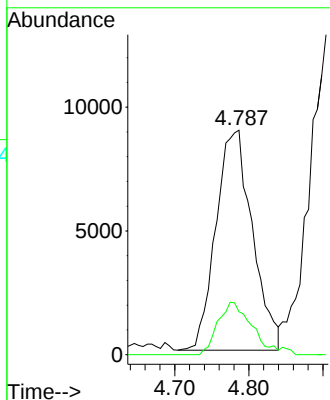
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion: 43 Resp: 30439
Ion Ratio Lower Upper
43 100
74 22.7 21.6 32.4

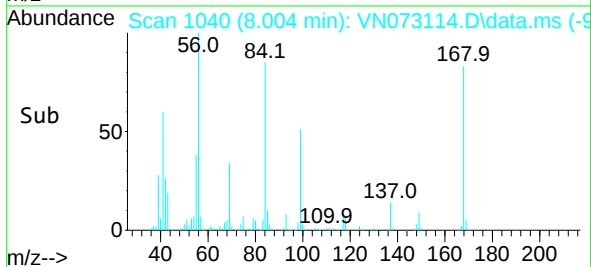
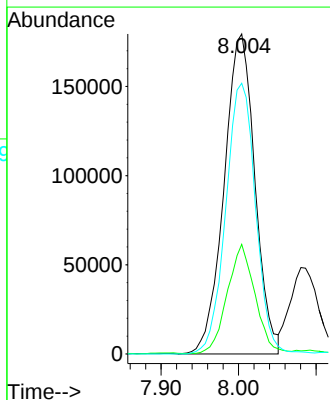
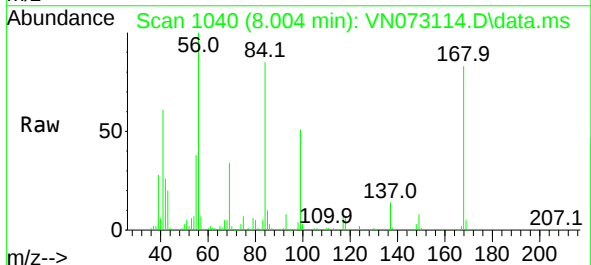
Manual Integrations
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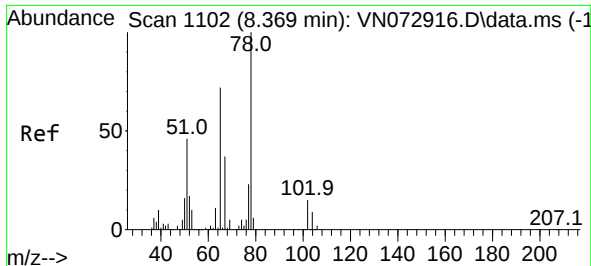
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#31
Cyclohexane
Concen: 76.732 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.018 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

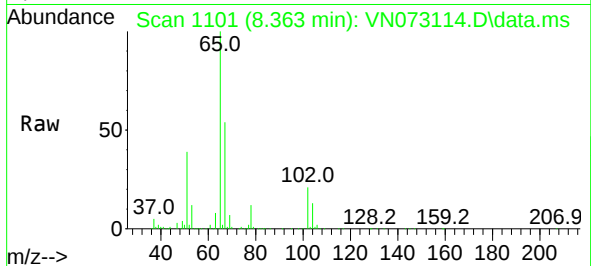
Tgt Ion: 56 Resp: 496903
Ion Ratio Lower Upper
56 100
69 34.0 27.8 41.8
84 84.6 76.9 115.3





#33
1,2-Dichloroethane-d4
Concen: 41.830 ug/l
RT: 8.363 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

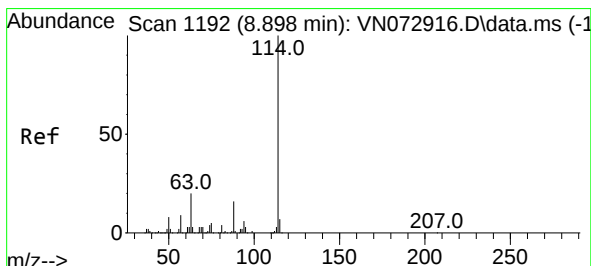
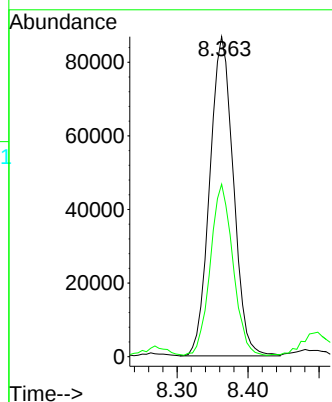
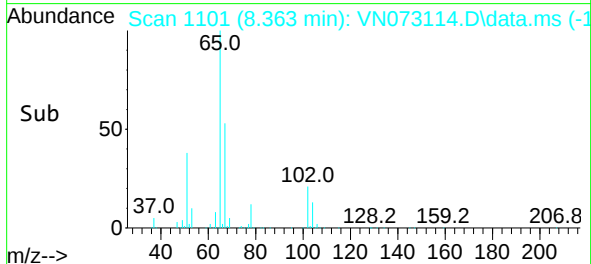
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



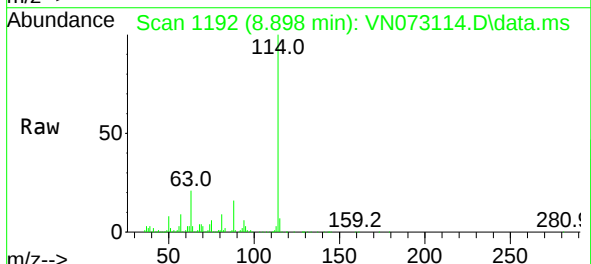
Tgt Ion: 65 Resp: 20025
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

Manual Integrations
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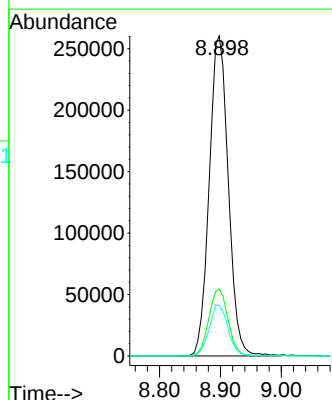
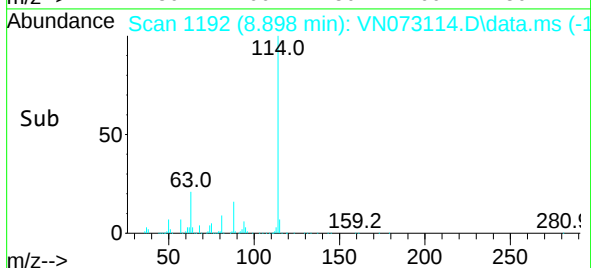
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

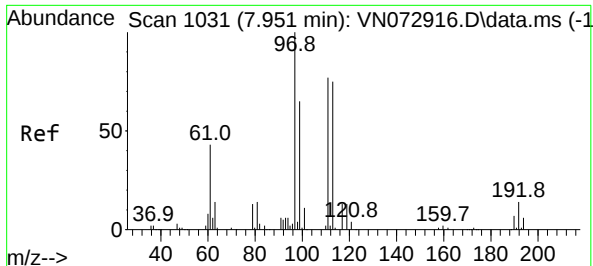


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43



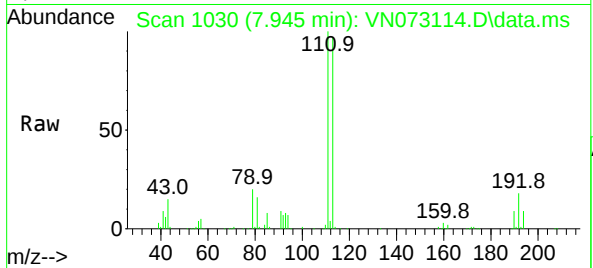
Tgt Ion:114 Resp: 566399
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.0
88 15.8 0.0 32.6





#35
Dibromofluoromethane
Concen: 49.341 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

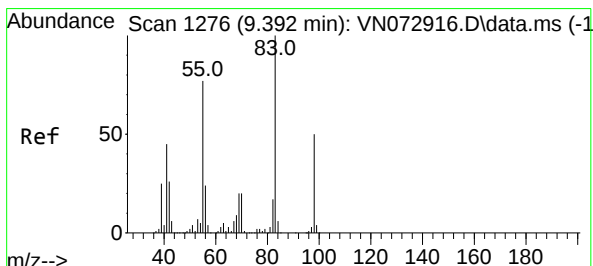
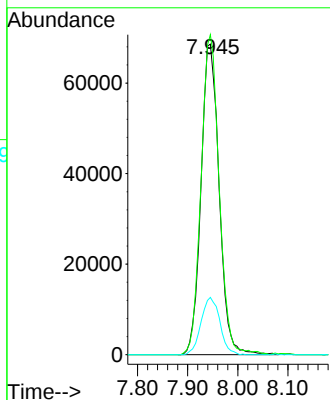
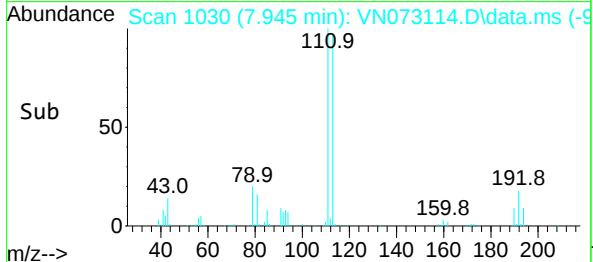
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion: 113 Resp: 17273
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 19.1 17.0 25.6

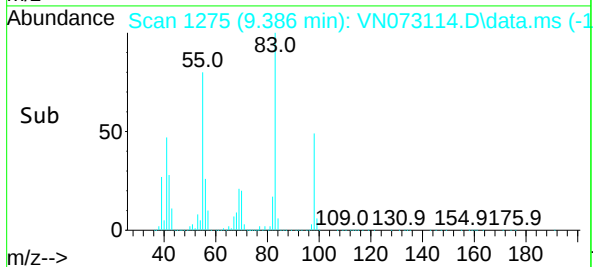
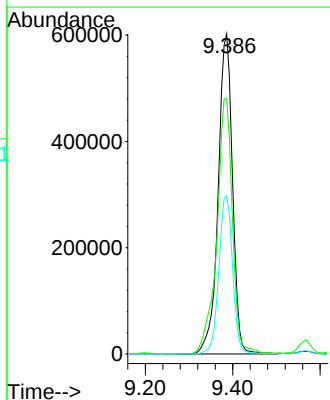
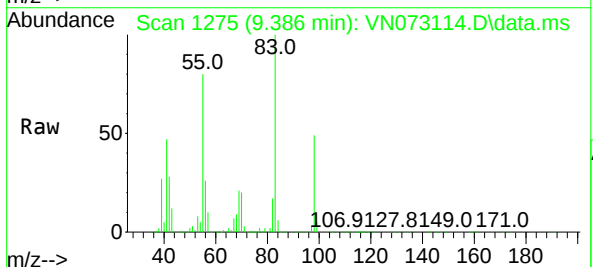
Manual Integrations
APPROVED

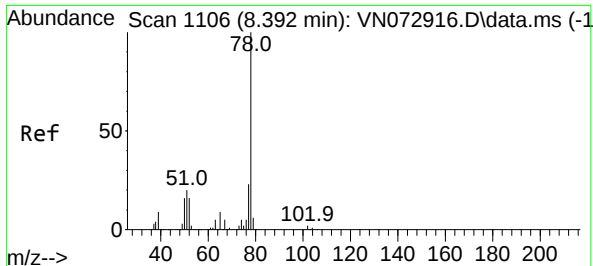
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#39
Methylcyclohexane
Concen: 239.752 ug/l
RT: 9.386 min Scan# 1275
Delta R.T. -0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

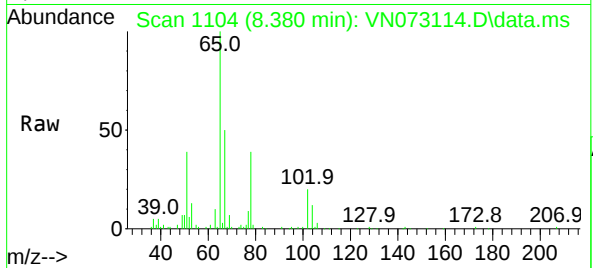
Tgt Ion: 83 Resp: 1368935
Ion Ratio Lower Upper
83 100
55 79.7 57.8 86.8
98 49.5 39.4 59.2





#40
Benzene
Concen: 2.600 ug/l
RT: 8.380 min Scan# 1106
Delta R.T. -0.012 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

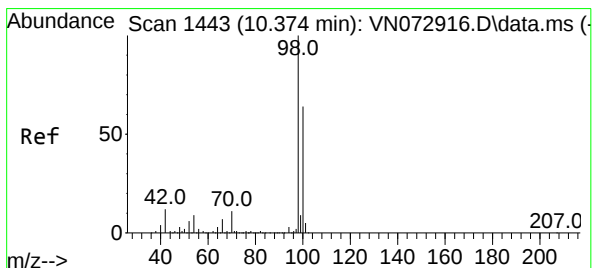
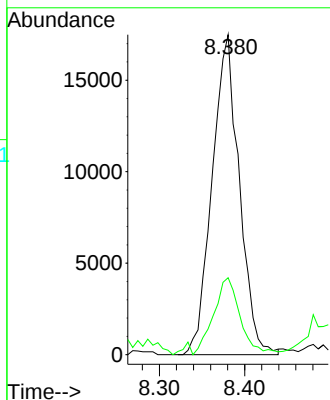
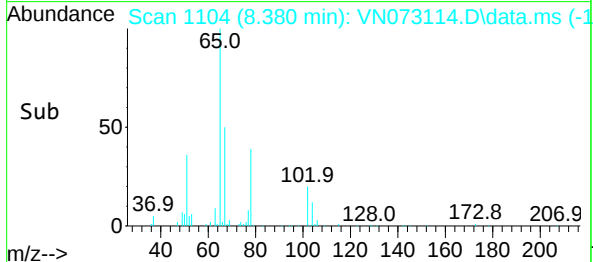
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion: 78 Resp: 3871
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0

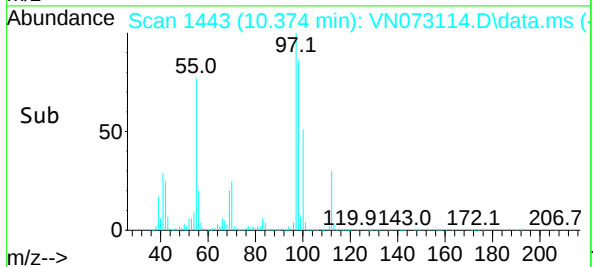
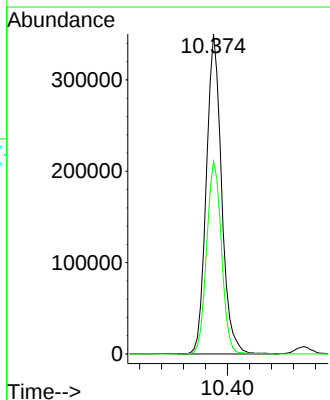
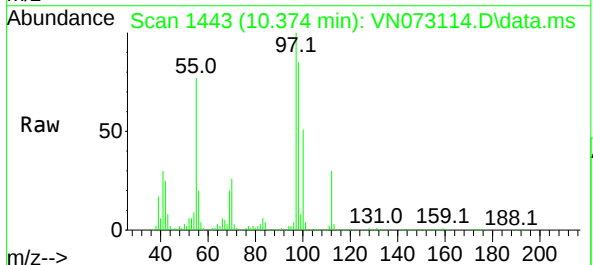
Manual Integrations
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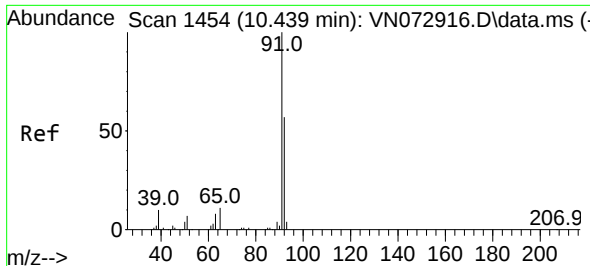
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#50
Toluene-d8
Concen: 51.833 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

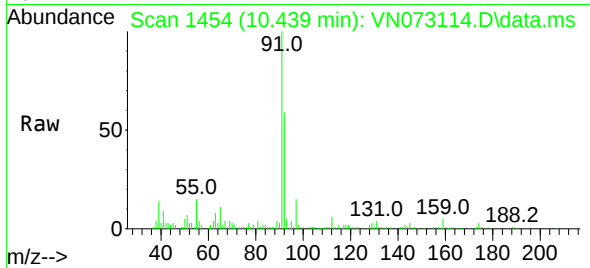
Tgt Ion: 98 Resp: 675216
Ion Ratio Lower Upper
98 100
100 58.3 52.6 78.8





#52
Toluene
Concen: 6.913 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

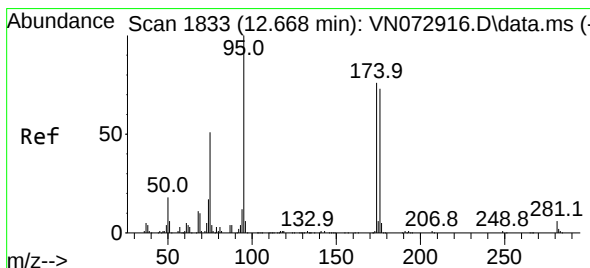
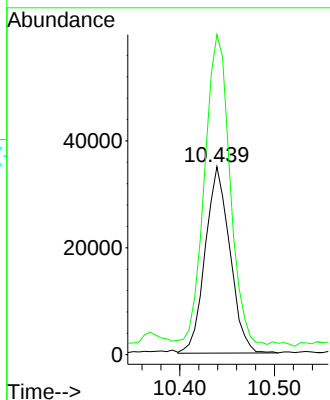
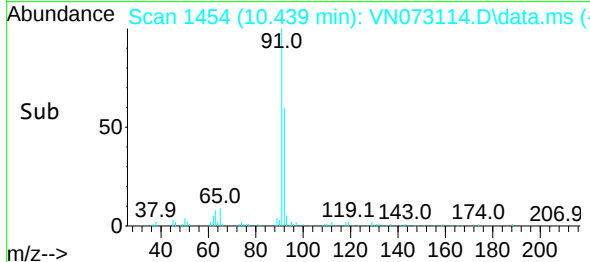
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion: 92 Resp: 6318
Ion Ratio Lower Upper
92 100
91 171.3 138.6 207.8

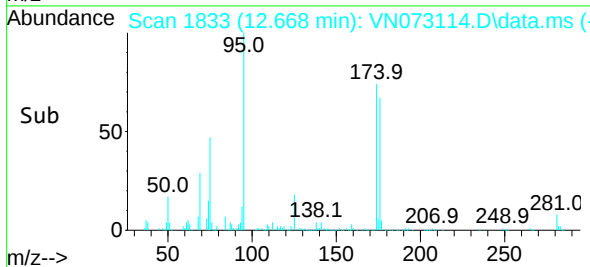
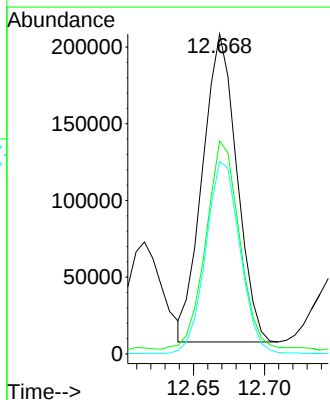
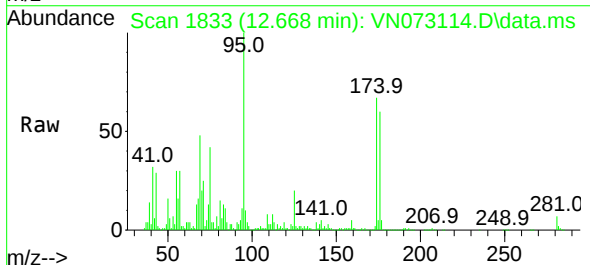
Manual Integrations
APPROVED

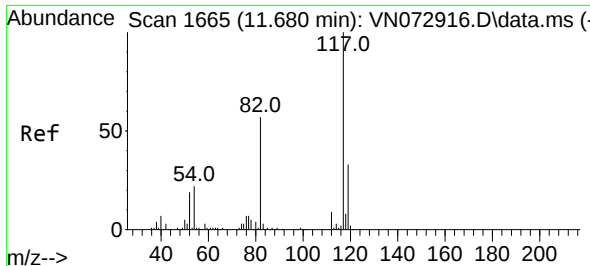
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#62
4-Bromofluorobenzene
Concen: 72.011 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

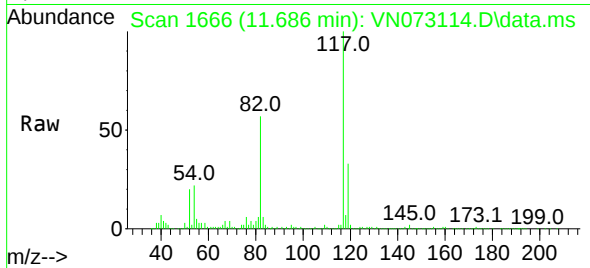
Tgt Ion: 95 Resp: 337316
Ion Ratio Lower Upper
95 100
174 68.8 0.0 167.6
176 62.1 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

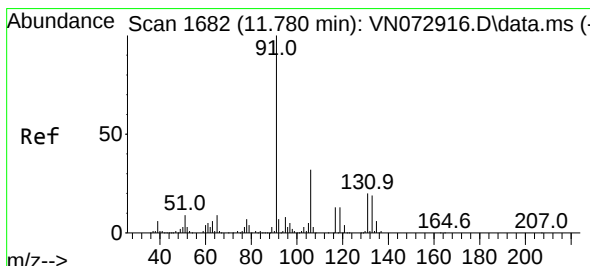
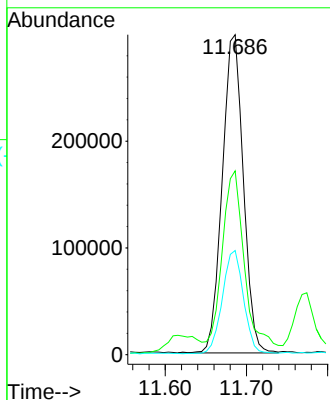
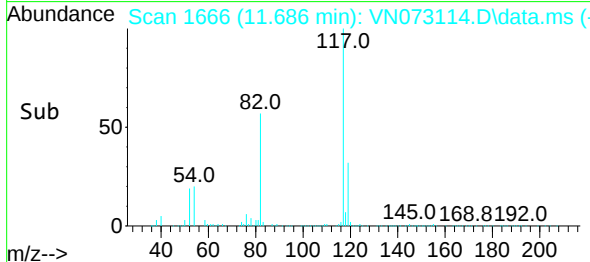
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion: 117 Resp: 53878
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.3 25.4 38.0

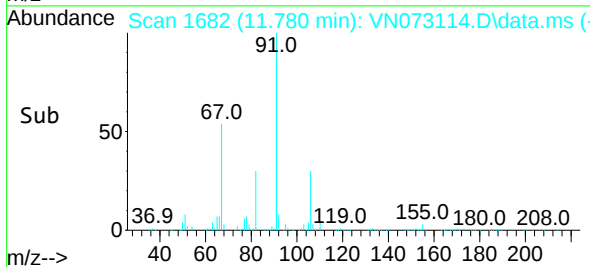
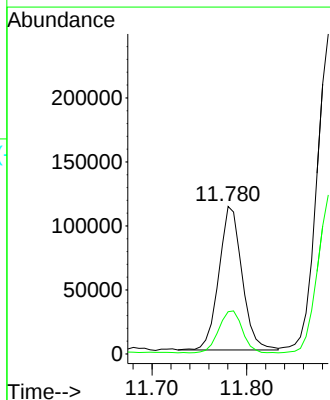
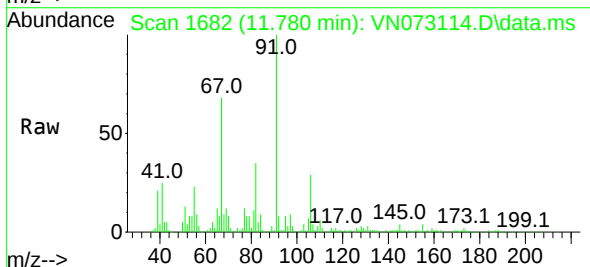
Manual Integrations
APPROVED

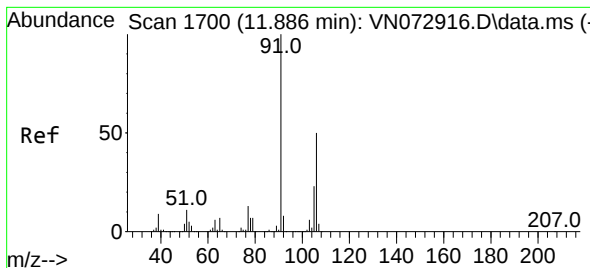
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#67
Ethyl Benzene
Concen: 10.288 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

Tgt Ion: 91 Resp: 190559
Ion Ratio Lower Upper
91 100
106 28.7 24.9 37.3





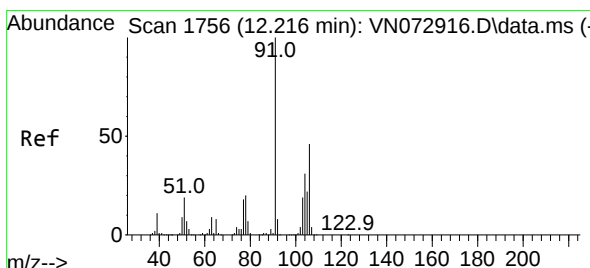
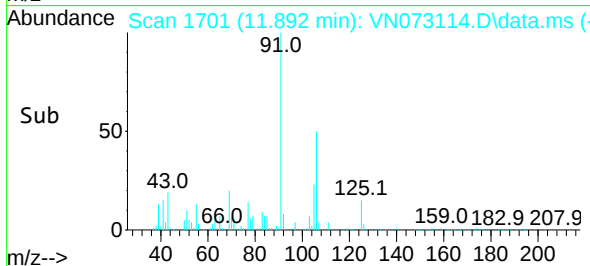
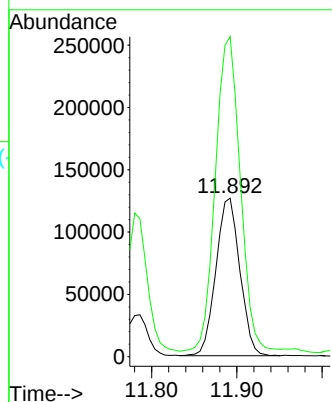
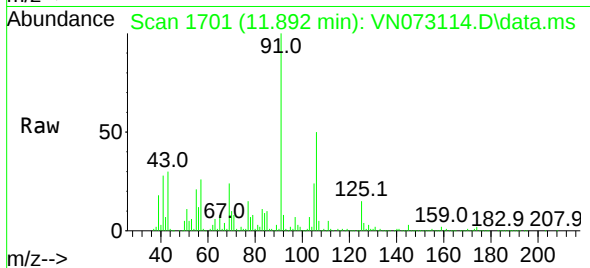
#68
m/p-Xylenes
Concen: 33.934 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR

Tgt Ion:106 Resp: 24652
Ion Ratio Lower Upper
106 100
91 206.7 158.9 238.3

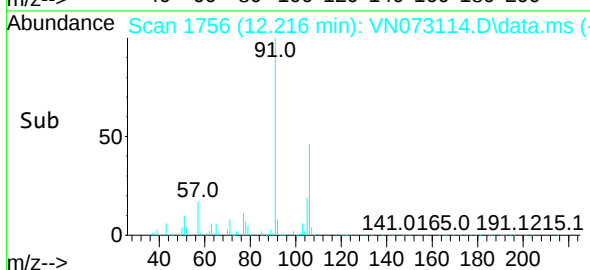
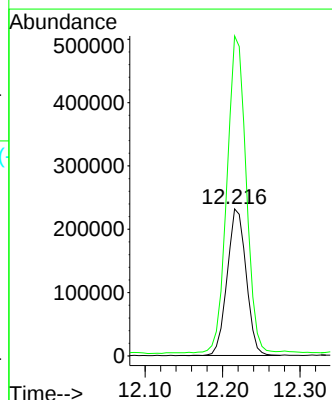
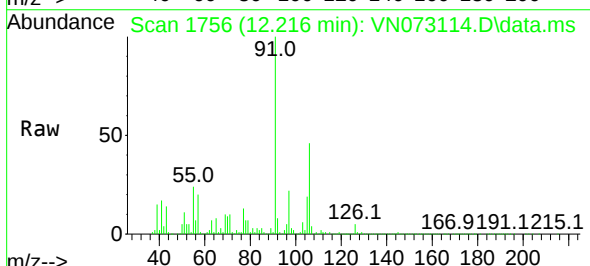
Manual Integrations
APPROVED

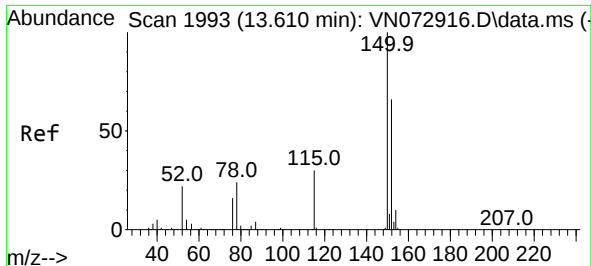
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#69
o-Xylene
Concen: 54.292 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

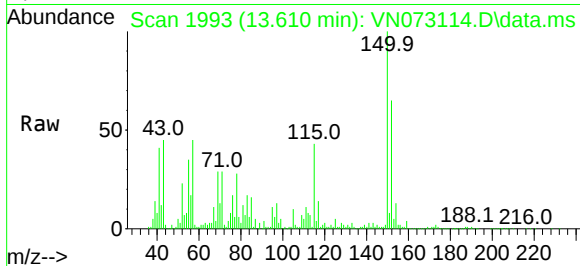
Tgt Ion:106 Resp: 394131
Ion Ratio Lower Upper
106 100
91 220.5 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

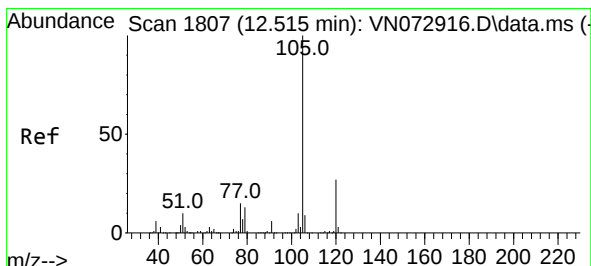
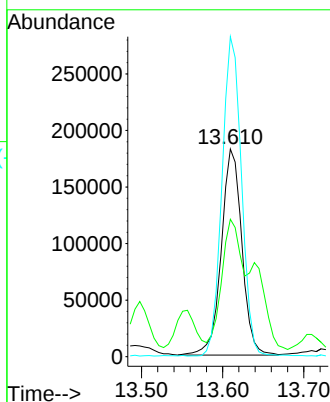
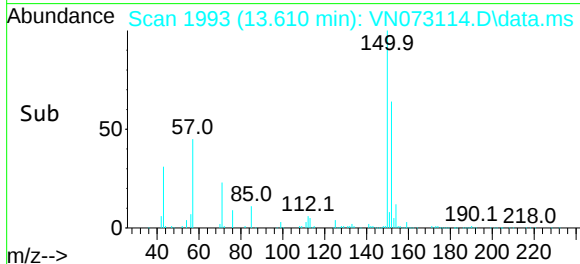
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



Tgt Ion:152 Resp: 320980
Ion Ratio Lower Upper
152 100
115 63.4 28.9 86.7
150 146.7 0.0 356.2

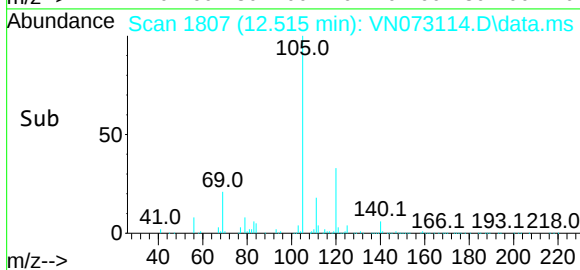
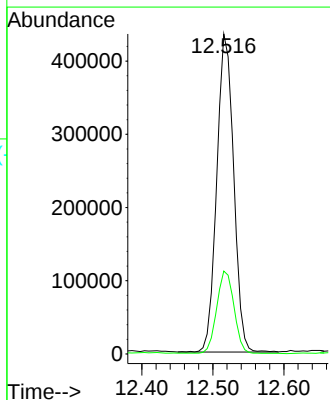
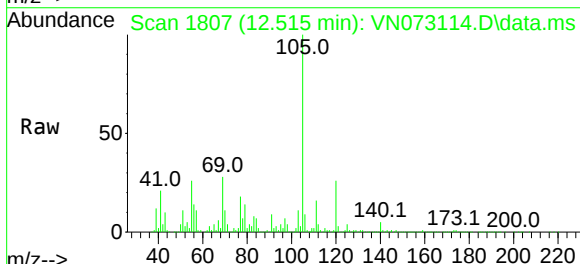
Manual Integrations
APPROVED

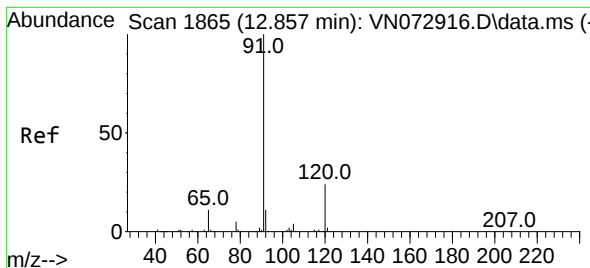
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#73
Isopropylbenzene
Concen: 28.776 ug/l
RT: 12.515 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

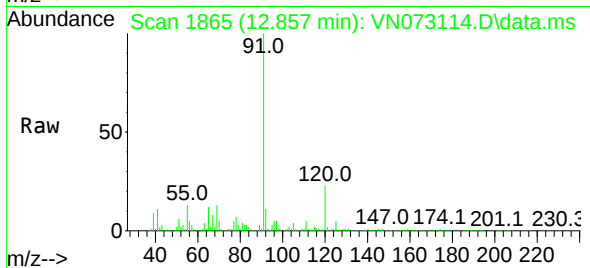
Tgt Ion:105 Resp: 714563
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4





#78
n-propylbenzene
Concen: 41.823 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

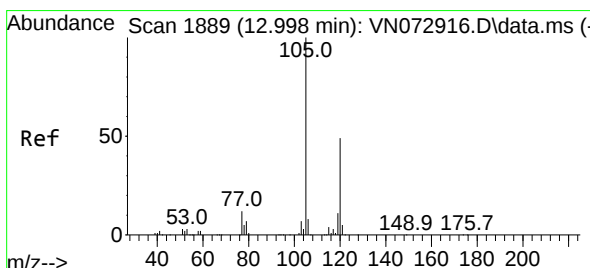
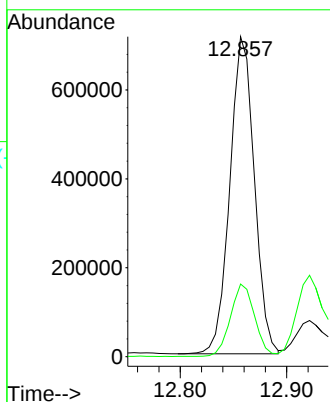
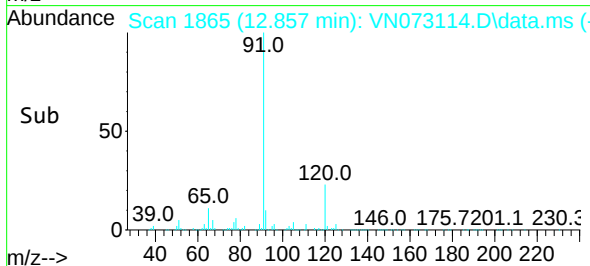
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



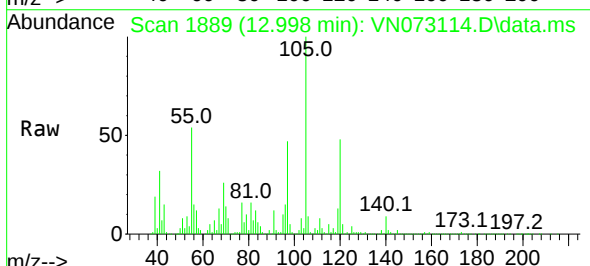
Tgt Ion: 91 Resp: 1142352
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.5

Manual Integrations
APPROVED

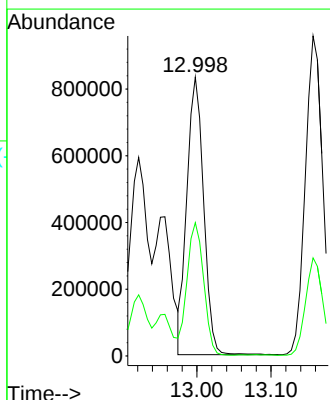
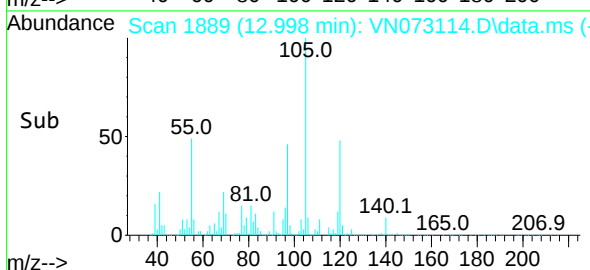
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

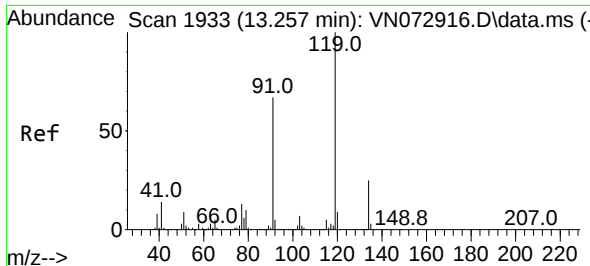


#80
1,3,5-Trimethylbenzene
Concen: 64.126 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43



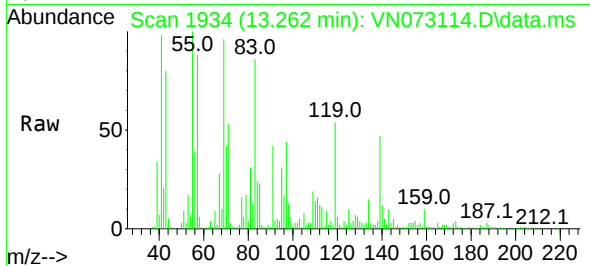
Tgt Ion:105 Resp: 1307993
Ion Ratio Lower Upper
105 100
120 47.3 24.9 74.7





#83
tert-Butylbenzene
Concen: 3.682 ug/l
RT: 13.262 min Scan# 1934
Delta R.T. 0.006 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43

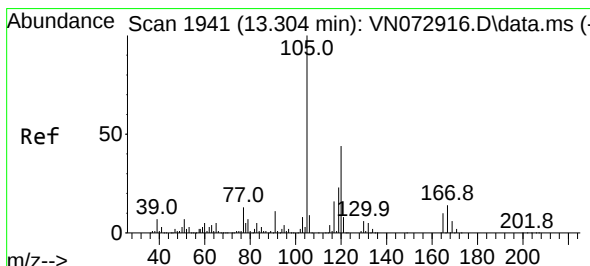
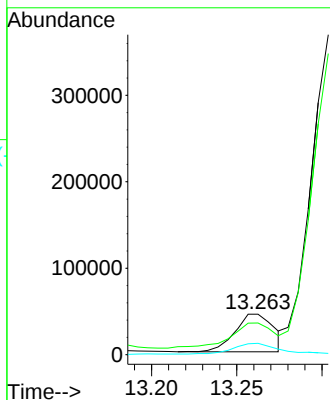
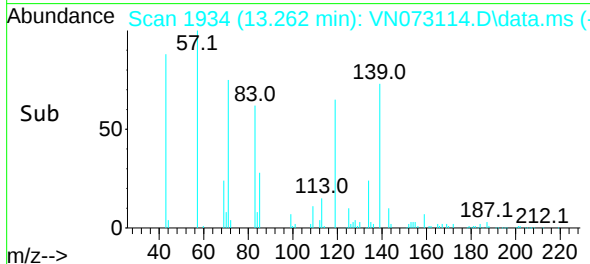
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-1-GR



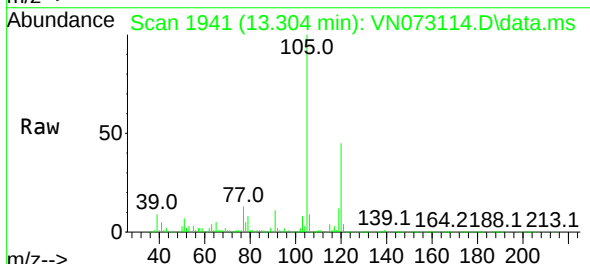
Tgt Ion:119 Resp: 68779
Ion Ratio Lower Upper
119 100
91 72.5 31.6 94.8
134 34.1 13.7 41.1

Manual Integrations
APPROVED

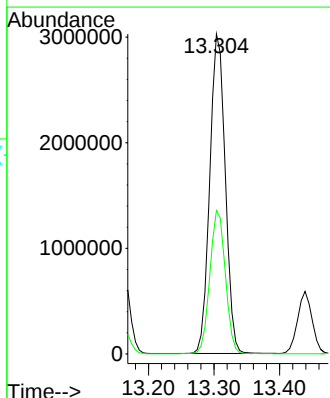
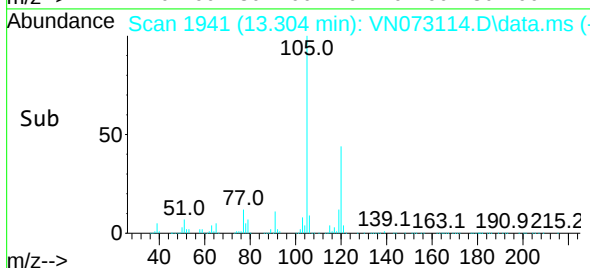
Reviewed By :John Carlone 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

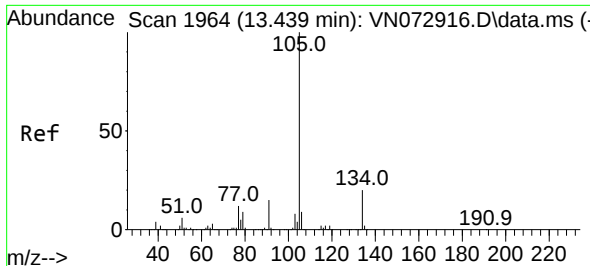


#84
1,2,4-Trimethylbenzene
Concen: 244.417 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN073114.D
Acq: 25 Jun 2022 16:43



Tgt Ion:105 Resp: 4965583
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8





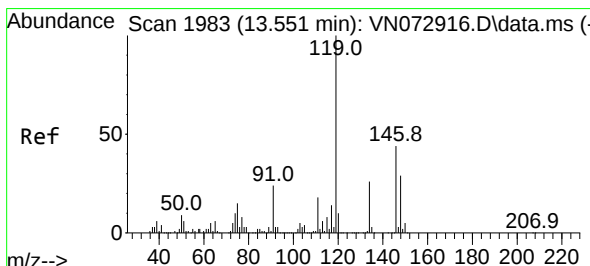
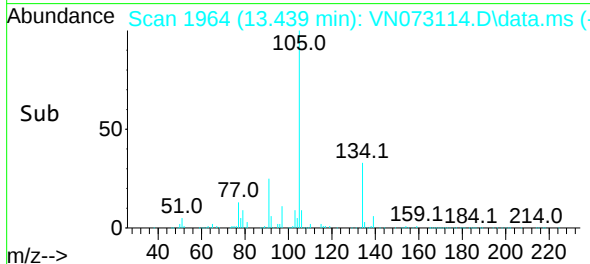
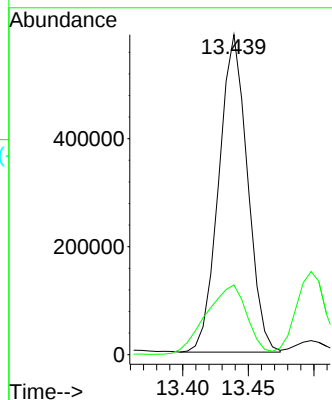
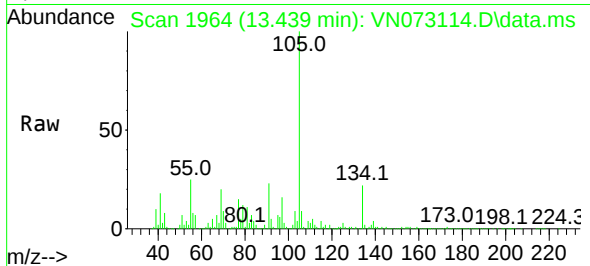
#85
 sec-Butylbenzene
 Concen: 35.884 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073114.D
 Acq: 25 Jun 2022 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-1-GR

Tgt Ion:105 Resp: 89423
 Ion Ratio Lower Upper
 105 100
 134 31.2 10.4 31.1

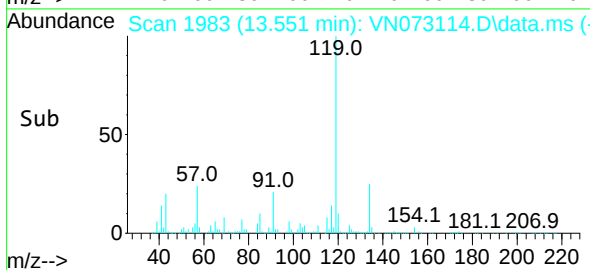
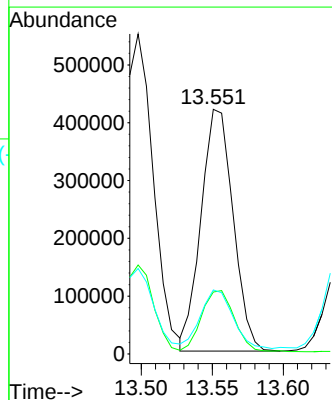
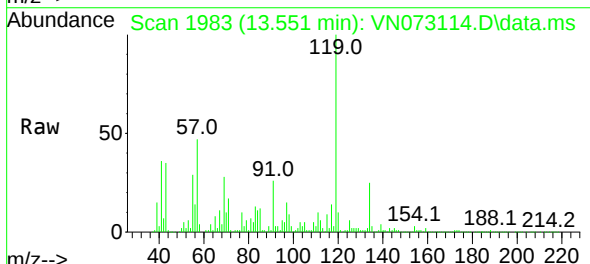
Manual Integrations
 APPROVED

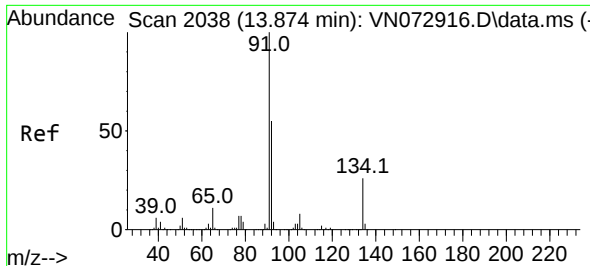
Reviewed By :John Carlone 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#86
 p-Isopropyltoluene
 Concen: 32.602 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN073114.D
 Acq: 25 Jun 2022 16:43

Tgt Ion:119 Resp: 657773
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 24.3 11.3 33.9





#89

n-Butylbenzene

Concen: 42.475 ug/l m

RT: 13.880 min Scan# 2038

Delta R.T. 0.006 min

Lab File: VN073114.D

Acq: 25 Jun 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-1-GR

Tgt Ion: 91 Resp: 699750

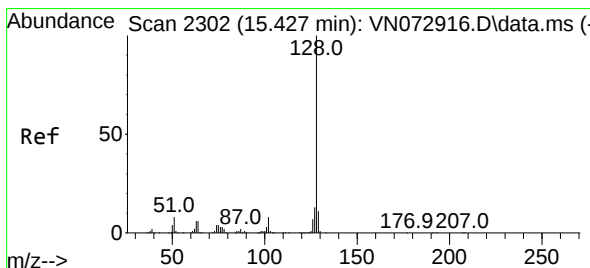
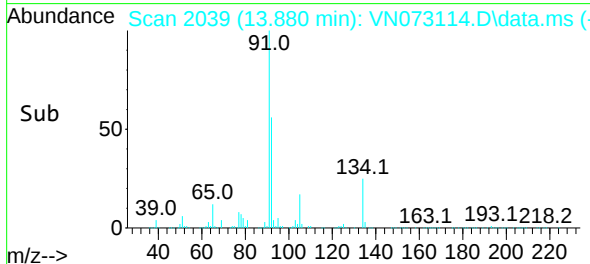
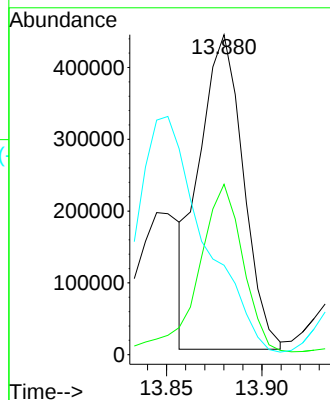
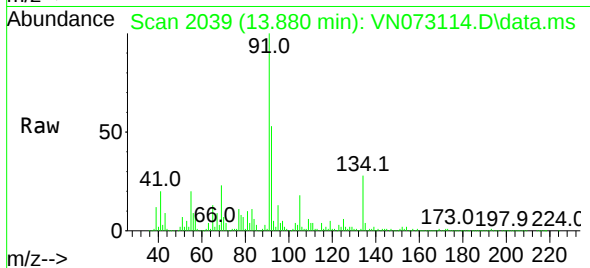
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.9	80.7
134	0.0	13.6	40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#95

Naphthalene

Concen: 66.435 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073114.D

Acq: 25 Jun 2022 16:43

Tgt Ion:128 Resp: 1647340

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	12.0	8.6	13.0

