

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082114.D
 Acq On : 14 May 2024 13:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 15 02:45:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/15/2024
 Supervised By : Mahesh Dadoda 05/15/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	63096	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	362225	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	343026	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	177842	33.665	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.200%#			
60) 4-Bromofluorobenzene	12.853	95	153986	26.974	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.900%			
63) Toluene-d8	10.565	98	470901	28.907	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.367%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	65018	18.153	ug/l	95
3) Chloromethane	2.359	50	79668	19.180	ug/l	98
4) Vinyl Chloride	2.518	62	87112	22.201	ug/l	100
5) Bromomethane	2.965	94	49720m	24.283	ug/l	
6) Chloroethane	3.130	64	66675	30.008	ug/l	100
7) Trichlorofluoromethane	3.500	101	115788	20.166	ug/l	95
8) Diethyl Ether	3.965	74	47580	17.118	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.383	101	69354	17.600	ug/l	92
10) 1,1-Dichloroethene	4.347	96	63337	16.427	ug/l	85
11) Methyl Iodide	4.589	142	64626	18.350	ug/l	91
12) Methyl Acetate	5.024	43	115750	23.483	ug/l #	75
13) Acrolein	4.177	56	101865	99.237	ug/l	95
14) Acrylonitrile	5.718	53	214584	97.507	ug/l	97
15) Acetone	4.424	58	46050	92.785	ug/l #	52
16) Carbon Disulfide	4.712	76	151982	14.245	ug/l	97
17) Allyl chloride	5.030	41	126930m	18.392	ug/l	
18) Methylene Chloride	5.277	84	81908	18.694	ug/l #	75
19) trans-1,2-Dichloroethene	5.783	96	68015	16.948	ug/l	97
20) Diisopropyl ether	6.671	45	319996	21.392	ug/l #	93
21) 1,1-Dichloroethane	6.571	63	152636	19.271	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	88821	18.121	ug/l	87
23) tert-Butyl Alcohol	5.518	59	81782	90.201	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	263385	18.969	ug/l #	81
25) Chloroform	7.965	83	158534	20.805	ug/l	98
26) Cyclohexane	8.259	56	118460	17.399	ug/l #	84
29) 1,1-Dichloropropene	8.371	75	103219	19.141	ug/l	96
30) 2-Butanone	7.482	43	293576	105.612	ug/l #	89
31) 2,2-Dichloropropane	7.488	77	121658	22.014	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	134122	21.625	ug/l #	94
33) Carbon Tetrachloride	8.359	117	109525	21.760	ug/l	97
34) Benzene	8.606	78	335558	19.505	ug/l #	92
35) Methacrylonitrile	7.777	41	80149	22.790	ug/l	91
36) 1,2-Dichloroethane	8.671	62	128399	22.233	ug/l #	93
37) Trichloroethene	9.353	130	74096	17.584	ug/l	100
38) Methylcyclohexane	9.600	83	109860	16.864	ug/l	91
39) 1,2-Dichloropropane	9.618	63	89932	20.373	ug/l	96
40) Dibromomethane	9.706	93	57279	20.198	ug/l	94
41) Bromodichloromethane	9.888	83	130258	21.490	ug/l	98
42) Vinyl Acetate	6.606	43	1187052	100.329	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	127736	21.004	ug/l	95
44) Isopropyl Acetate	8.688	43	231181	21.488	ug/l #	84
45) 1,4-Dioxane	9.694	88	31186	361.406	ug/l #	87
46) Methyl methacrylate	9.682	41	105671	21.496	ug/l	73
47) n-amyl Acetate	12.494	43	201599m	20.779	ug/l	
48) t-1,3-Dichloropropene	10.835	75	128086	19.487	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	132043	19.000	ug/l #	72
50) 1,1,2-Trichloroethane	11.018	97	81379	21.152	ug/l	96
51) Ethyl methacrylate	10.876	69	131138m	18.060	ug/l	
52) 1,3-Dichloropropane	11.165	76	144996	20.513	ug/l	99
53) Dibromochloromethane	11.359	129	87613	20.930	ug/l	99
54) 1,2-Dibromoethane	11.470	107	77767	20.267	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	347992	95.838	ug/l	95
56) Bromoform	12.576	173	53845	21.135	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	685428	102.914	ug/l #	81
59) 2-Hexanone	11.194	43	496414	100.521	ug/l #	83
61) Tetrachloroethene	11.106	164	71649	18.824	ug/l	88
62) Toluene	10.629	91	361280	18.719	ug/l	98
64) Chlorobenzene	11.894	112	218419	18.502	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	77988	20.184	ug/l	95
66) Ethyl Benzene	11.965	91	397348	18.782	ug/l	99
67) m/p-Xylenes	12.070	106	288386	36.766	ug/l	99
68) o-Xylene	12.400	106	140272	18.075	ug/l	97
69) Styrene	12.412	104	239797	18.407	ug/l	99
70) Isopropylbenzene	12.694	105	373352	18.943	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	111026	19.575	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	88503m	19.069	ug/l	
73) Bromobenzene	12.982	156	82478	19.549	ug/l	95
74) n-propylbenzene	13.035	91	440551	18.932	ug/l	98
75) 2-Chlorotoluene	13.123	91	265137	18.431	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	298536	18.713	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	38546	16.324	ug/l	80
78) 4-Chlorotoluene	13.223	91	257618	18.280	ug/l	99
79) tert-butylbenzene	13.441	119	254602	18.535	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	303096	18.914	ug/l	100
81) sec-Butylbenzene	13.617	105	371208	19.279	ug/l	99
82) p-Isopropyltoluene	13.729	119	292263	19.195	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	159219	20.958	ug/l	95
84) 1,4-Dichlorobenzene	13.811	146	155623	20.380	ug/l	99
85) n-Butylbenzene	14.059	91	262268	18.858	ug/l	98
86) Hexachloroethane	14.329	117	54914	18.089	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	152712	20.183	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	22363	17.570	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	84178	20.204	ug/l	98
90) Hexachlorobutadiene	15.500	225	33707	21.844	ug/l	96
91) Naphthalene	15.641	128	266771	16.844	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	84178	20.204	ug/l	98

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

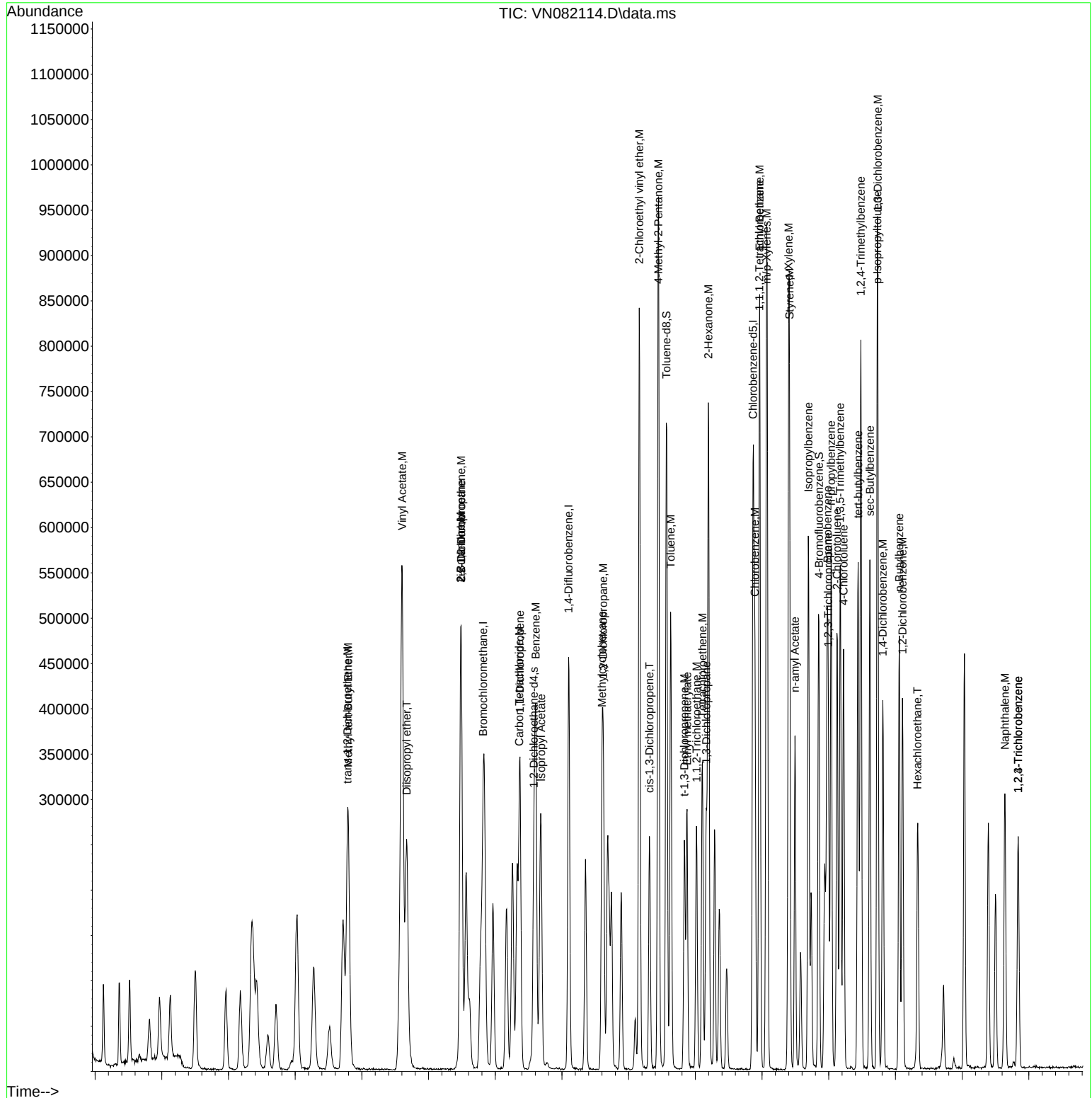
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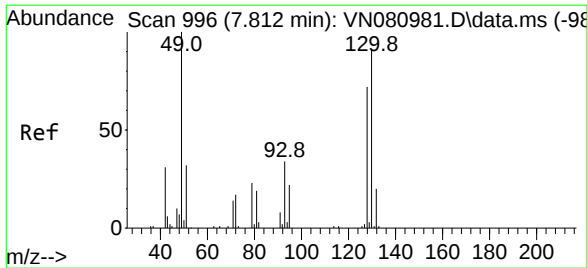
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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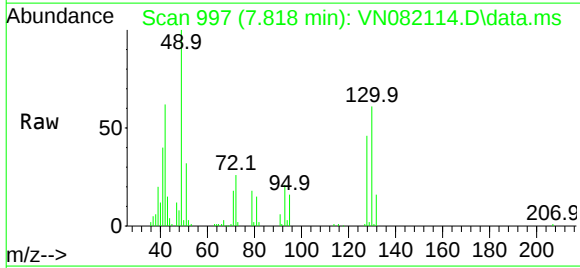
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

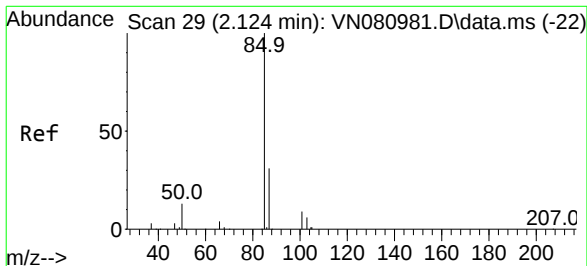
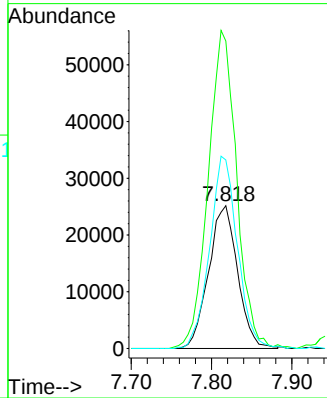
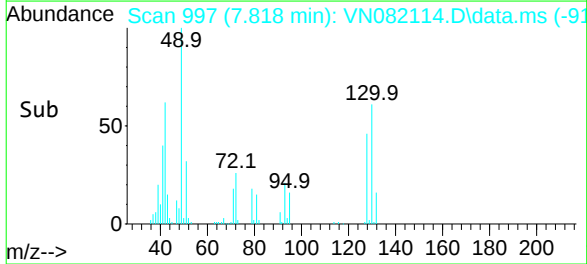
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 63096
Ion Ratio Lower Upper
128 100
49 217.5 0.0 403.7
130 129.1 0.0 323.3

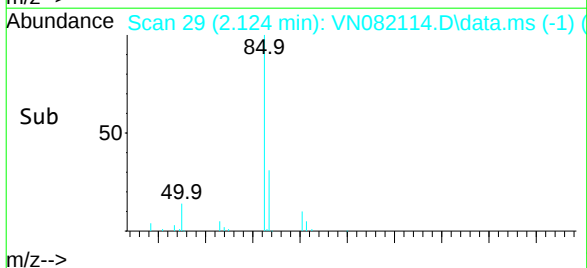
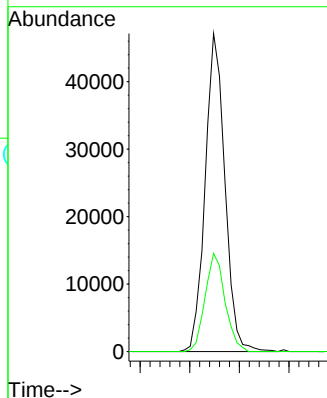
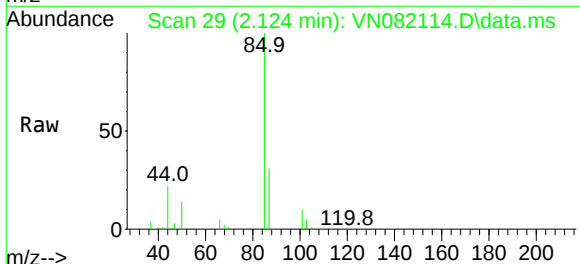
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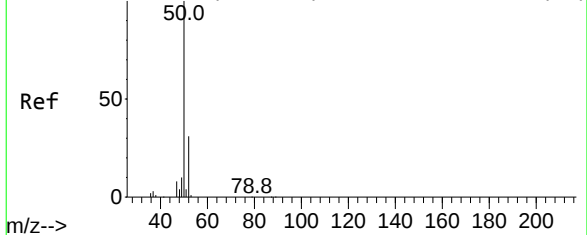


#2
Dichlorodifluoromethane
Concen: 18.153 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 85 Resp: 65018
Ion Ratio Lower Upper
85 100
87 30.9 16.8 50.3



Abundance Scan 69 (2.359 min): VN080981.D\data.ms (-62)



#3

Chloromethane

Concen: 19.180 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 79668

Ion Ratio Lower Upper

50 100

52 30.4 25.4 38.0

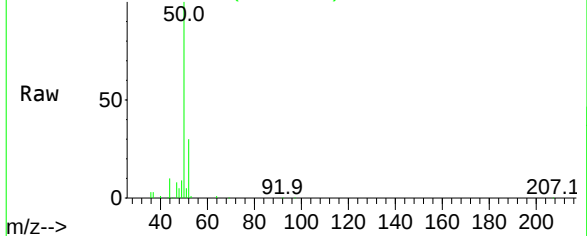
Manual Integrations

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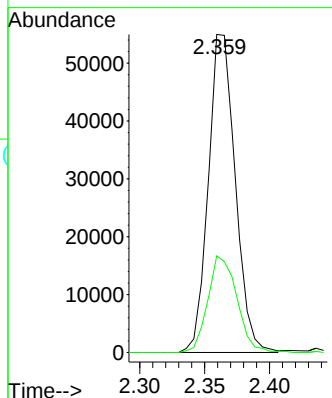
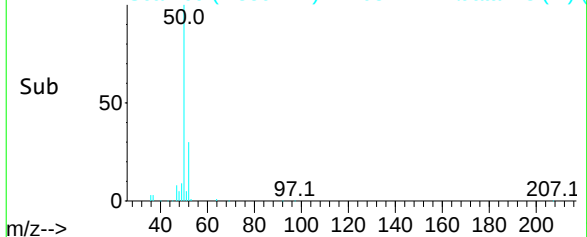
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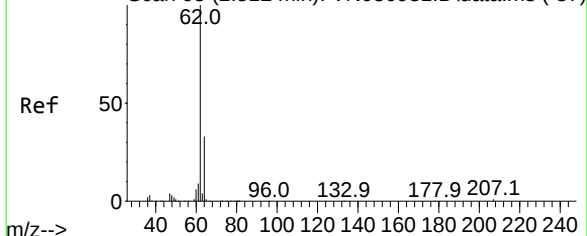
Abundance Scan 69 (2.359 min): VN082114.D\data.ms



Abundance Scan 69 (2.359 min): VN082114.D\data.ms (-1)



Abundance Scan 95 (2.512 min): VN080981.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 22.201 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

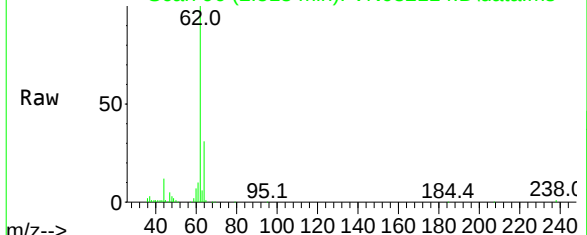
Tgt Ion: 62 Resp: 87112

Ion Ratio Lower Upper

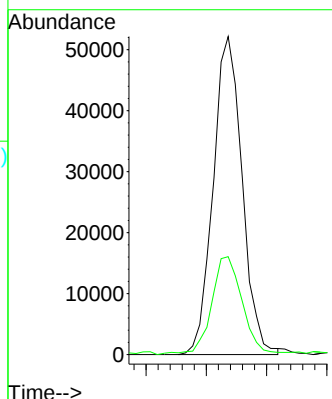
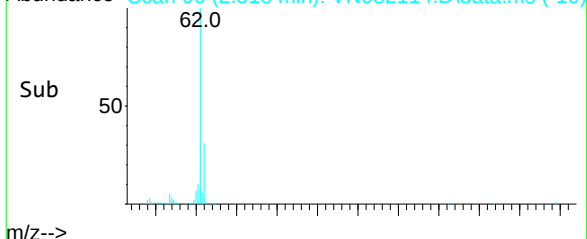
62 100

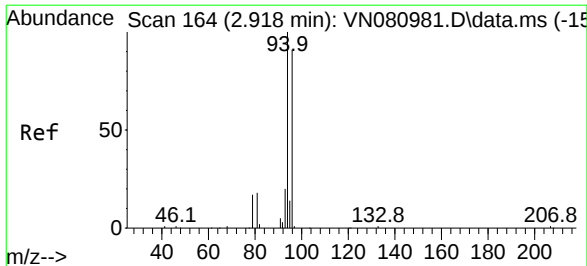
64 30.2 24.1 36.1

Abundance Scan 96 (2.518 min): VN082114.D\data.ms



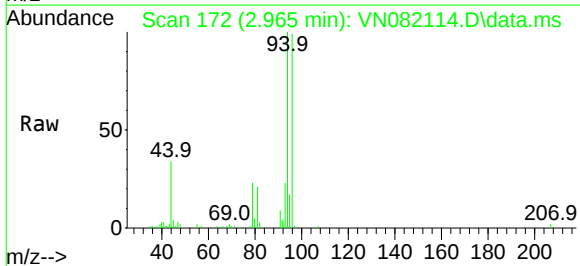
Abundance Scan 96 (2.518 min): VN082114.D\data.ms (-10)





#5
Bromomethane
Concen: 24.283 ug/l m
RT: 2.965 min Scan# 17
Delta R.T. 0.047 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

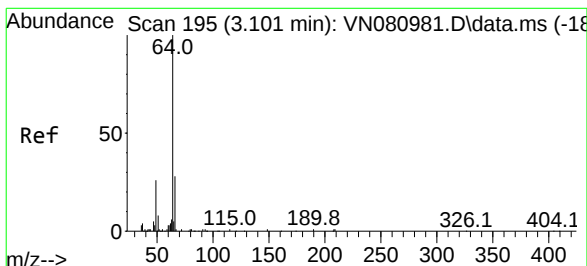
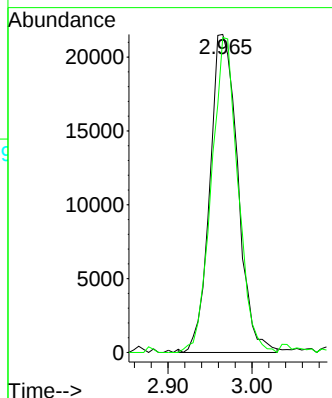
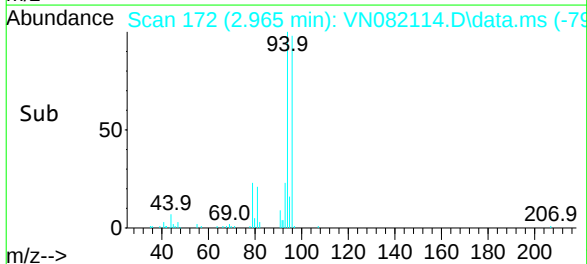
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Tgt Ion: 94 Resp: 49720
Ion Ratio Lower Upper
94 100
96 99.0 72.8 109.2

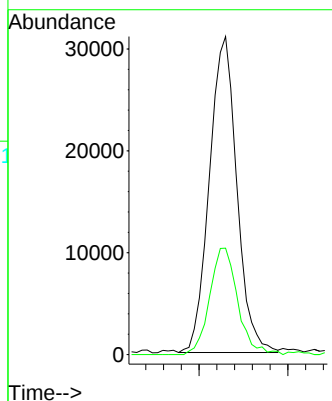
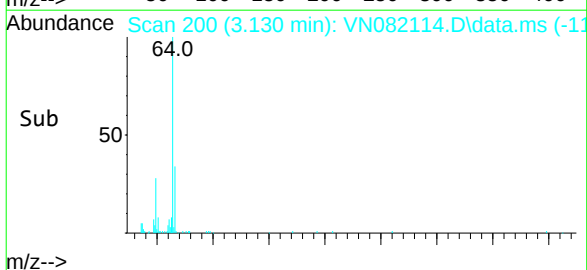
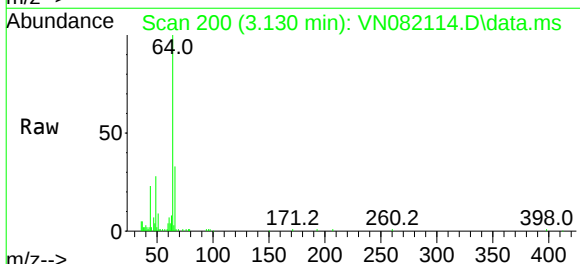
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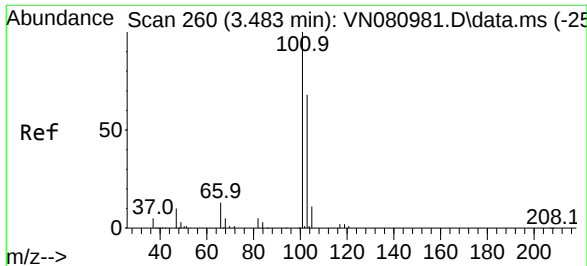
Reviewed By :John Carlone 05/15/2024
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#6
Chloroethane
Concen: 30.008 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.029 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

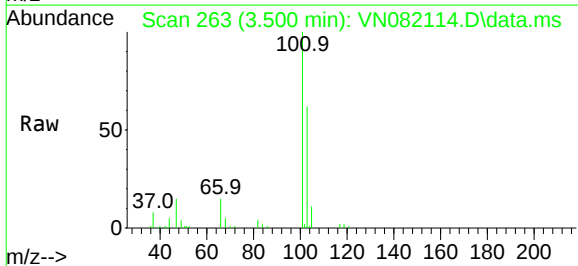
Tgt Ion: 64 Resp: 66675
Ion Ratio Lower Upper
64 100
66 33.7 26.7 40.1





#7
 Trichlorofluoromethane
 Concen: 20.166 ug/l
 RT: 3.500 min Scan# 260
 Delta R.T. 0.018 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

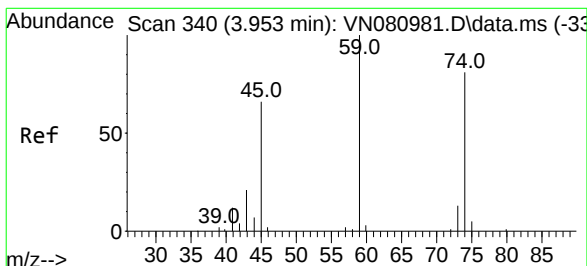
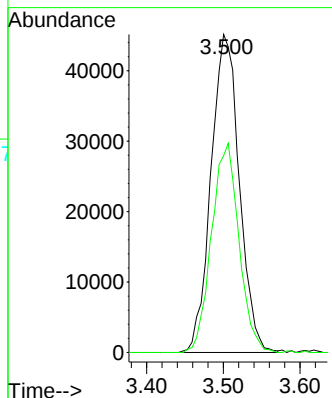
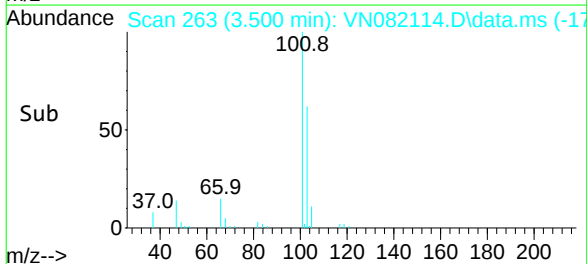
Instrument :
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 VSTDCCC020



Tgt Ion:101 Resp: 115788
 Ion Ratio Lower Upper
 101 100
 103 61.9 53.0 79.4

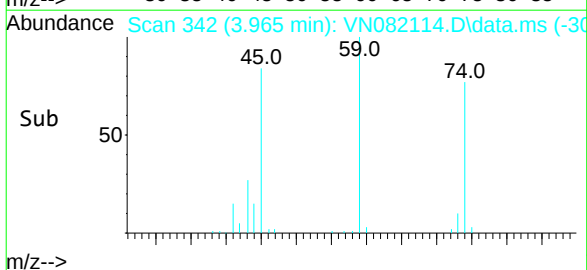
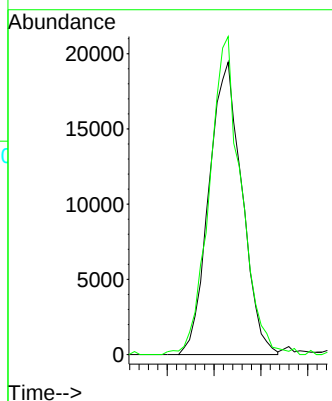
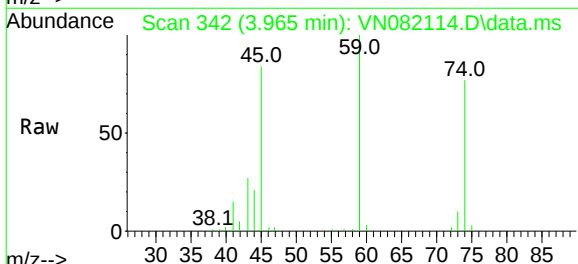
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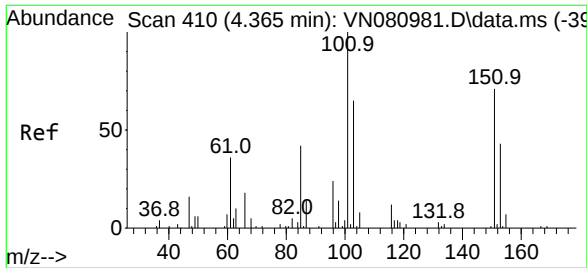
Reviewed By :John Carlone 05/15/2024
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#8
 Diethyl Ether
 Concen: 17.118 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

Tgt Ion: 74 Resp: 47580
 Ion Ratio Lower Upper
 74 100
 45 104.3 16.4 147.4





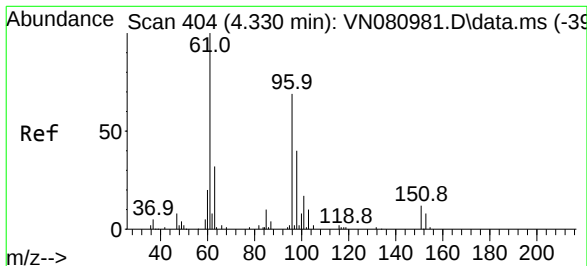
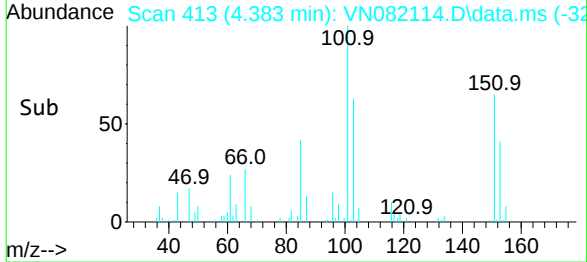
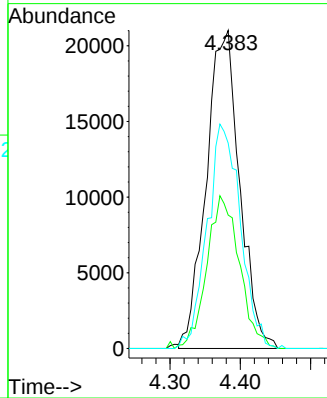
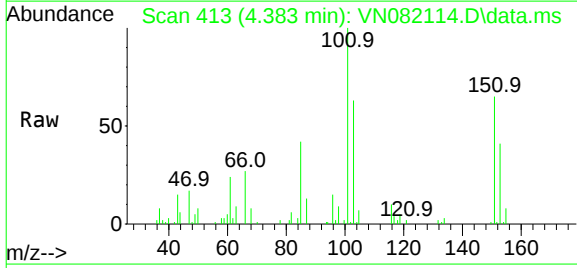
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.600 ug/l
RT: 4.383 min Scan# 410
Delta R.T. 0.018 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 101 Resp: 69354
Ion Ratio Lower Upper
101 100
85 46.8 0.0 90.6
151 69.3 0.0 157.6

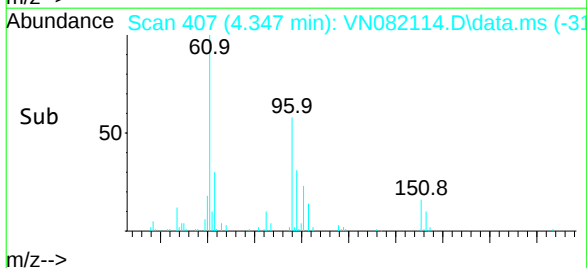
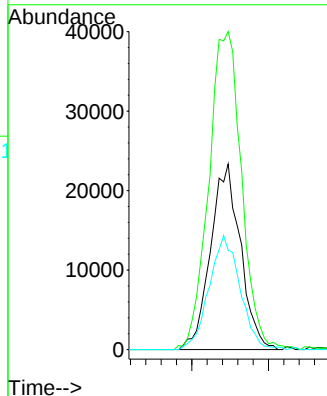
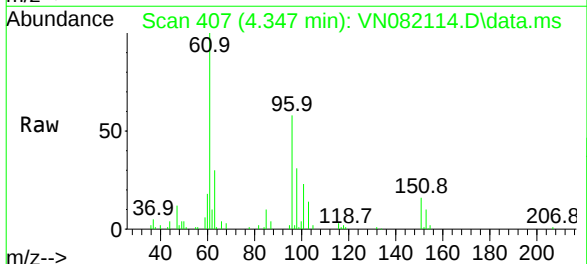
Manual Integrations
APPROVED

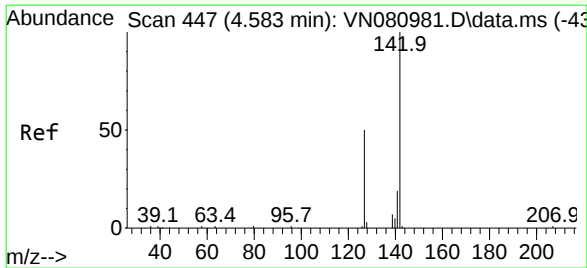
Reviewed By : John Carlone 05/15/2024
Supervised By : Mahesh Dadoda 05/15/2024



#10
1,1-Dichloroethene
Concen: 16.427 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.018 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

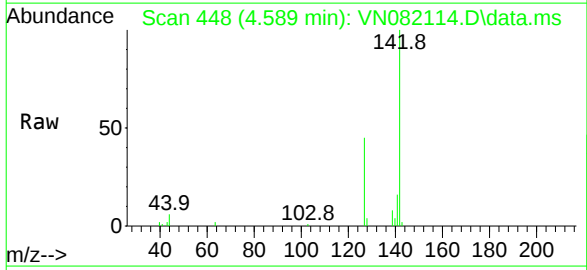
Tgt Ion: 96 Resp: 63337
Ion Ratio Lower Upper
96 100
61 169.1 117.6 176.4
98 53.5 48.4 72.6





#11
Methyl Iodide
Concen: 18.350 ug/l
RT: 4.589 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

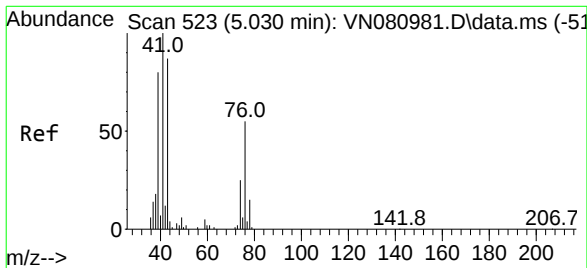
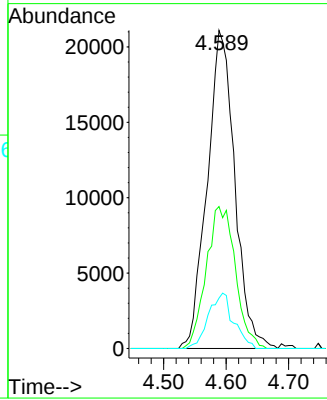
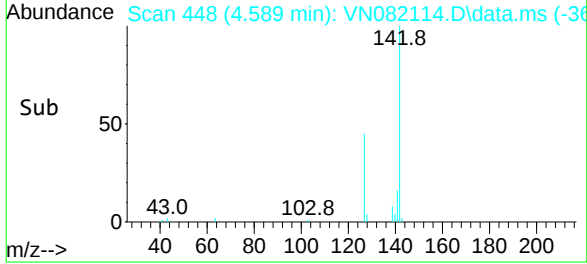
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 64626
Ion Ratio Lower Upper
142 100
127 44.6 26.3 78.9
141 15.8 8.3 24.9

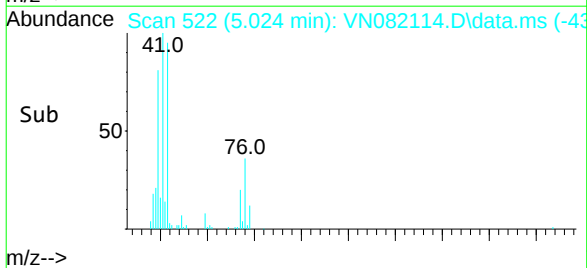
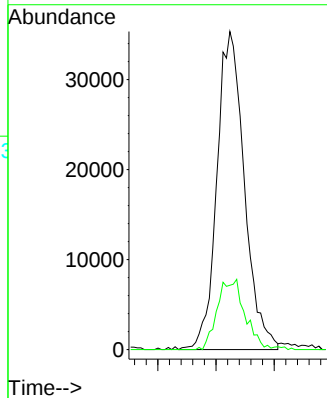
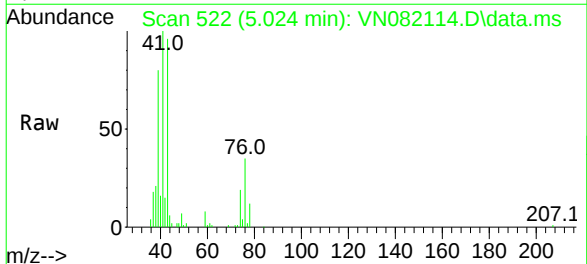
Manual Integrations
APPROVED

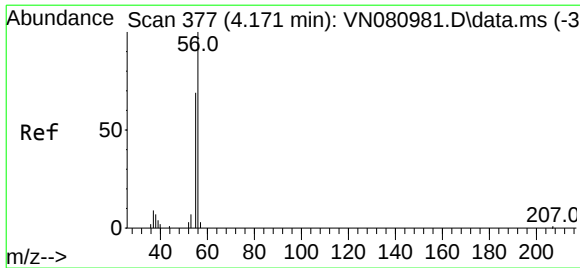
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#12
Methyl Acetate
Concen: 23.483 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 43 Resp: 115750
Ion Ratio Lower Upper
43 100
74 20.0 27.7 41.5#





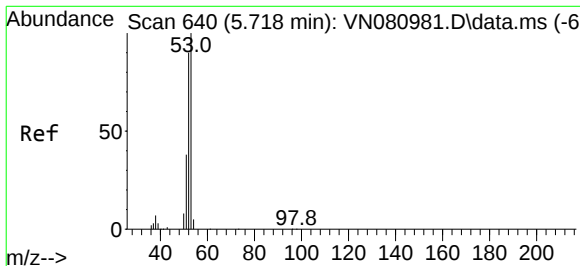
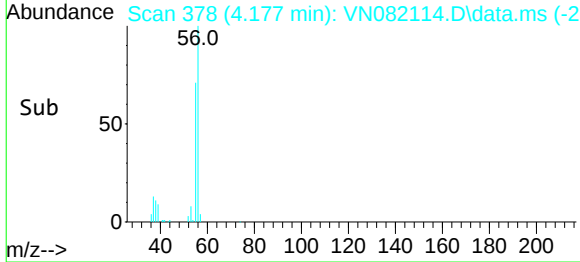
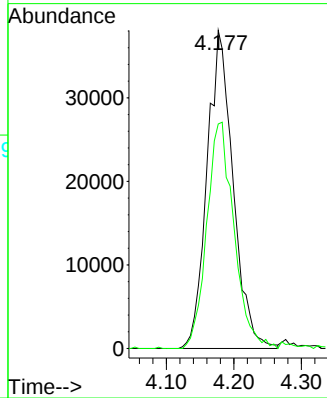
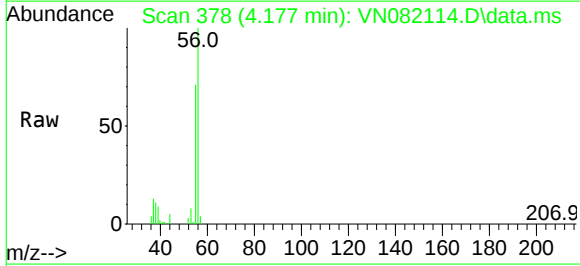
#13
Acrolein
Concen: 99.237 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 101865
Ion Ratio Lower Upper
56 100
55 73.5 55.5 83.3

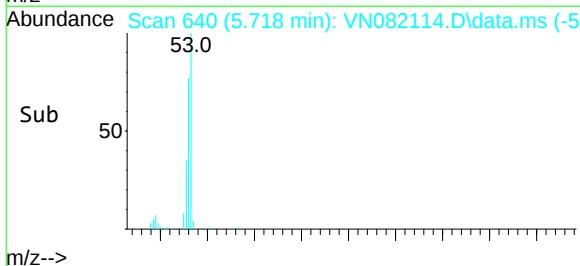
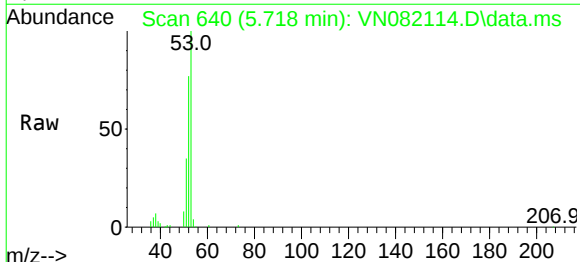
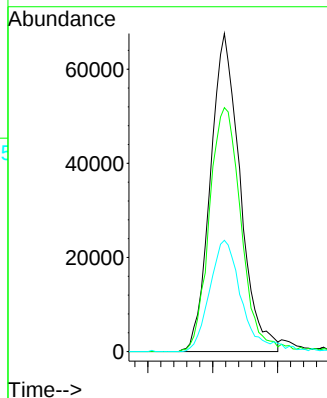
Manual Integrations
APPROVED

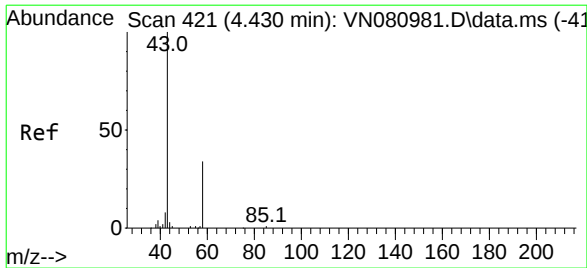
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#14
Acrylonitrile
Concen: 97.507 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

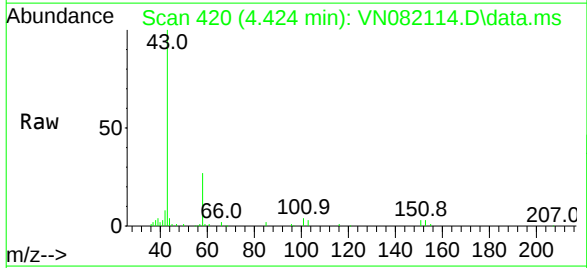
Tgt Ion: 53 Resp: 214584
Ion Ratio Lower Upper
53 100
52 81.2 41.3 123.9
51 36.4 16.8 50.3





#15
Acetone
Concen: 92.785 ug/l
RT: 4.424 min Scan# 421
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

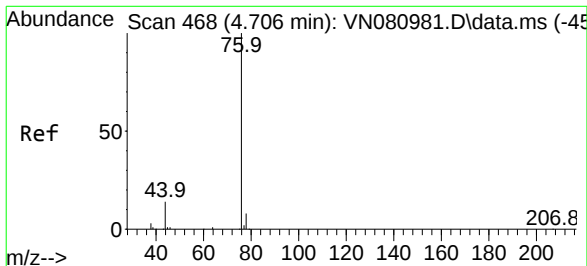
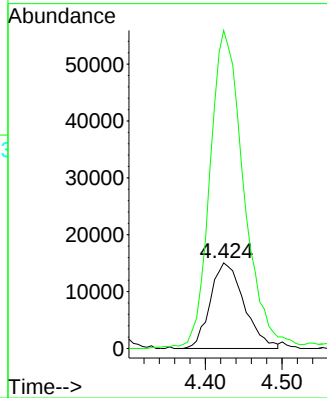
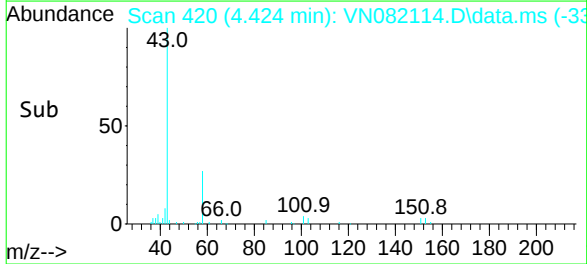
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 58 Resp: 46050
Ion Ratio Lower Upper
58 100
43 368.8 223.1 334.7#

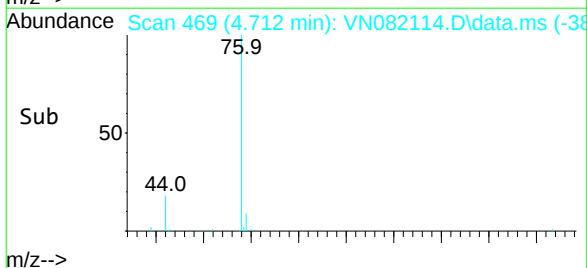
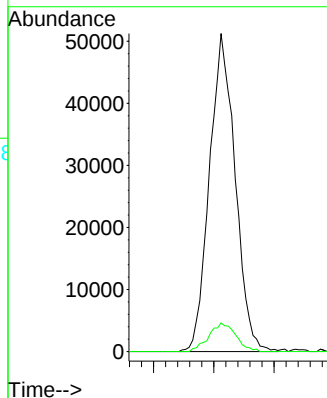
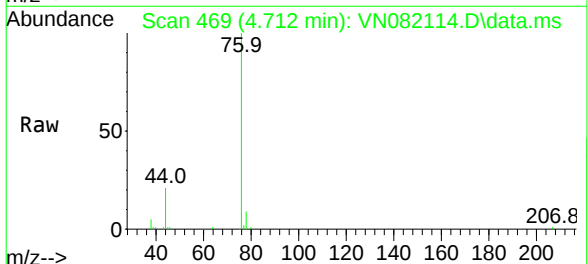
Manual Integrations
APPROVED

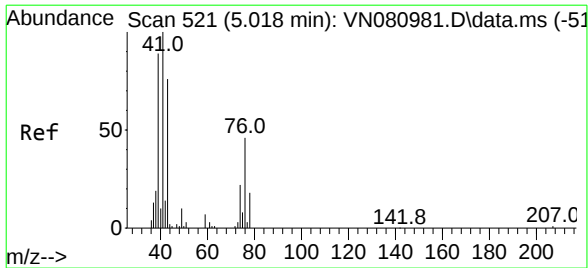
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#16
Carbon Disulfide
Concen: 14.245 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 76 Resp: 151982
Ion Ratio Lower Upper
76 100
78 9.0 6.3 9.5





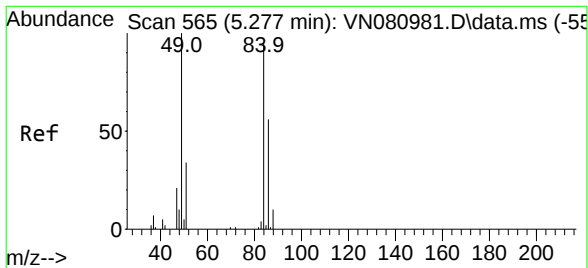
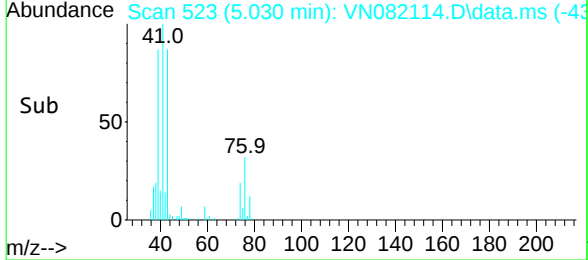
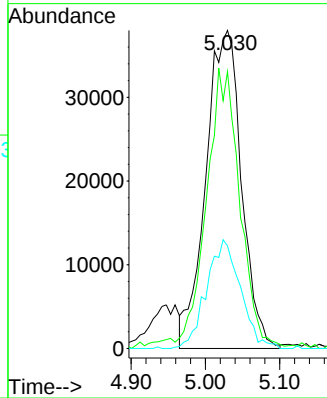
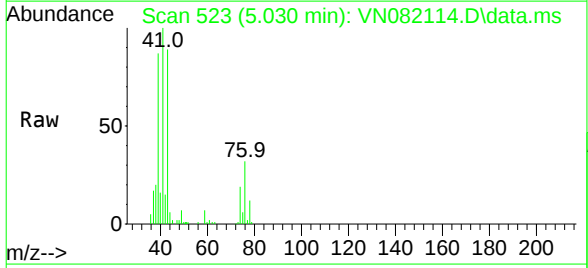
#17
 Allyl chloride
 Concen: 18.392 ug/l m
 RT: 5.030 min Scan# 521
 Delta R.T. 0.012 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 41 Resp: 126930
 Ion Ratio Lower Upper
 41 100
 39 87.1 37.6 112.9
 76 32.2 27.8 83.4

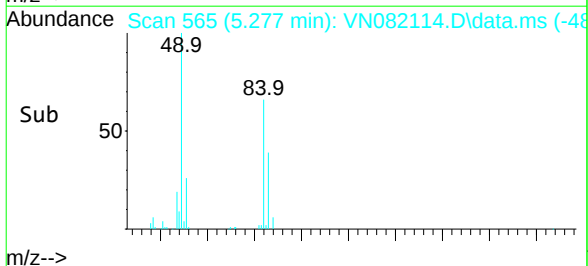
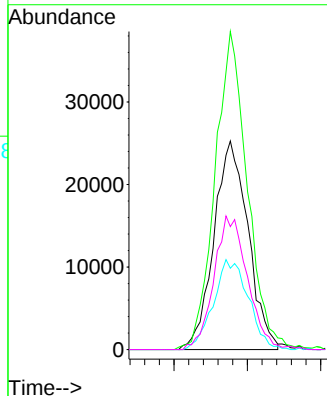
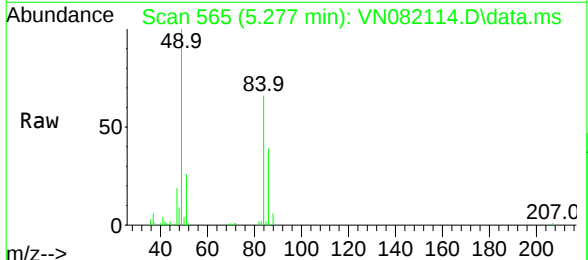
Manual Integrations
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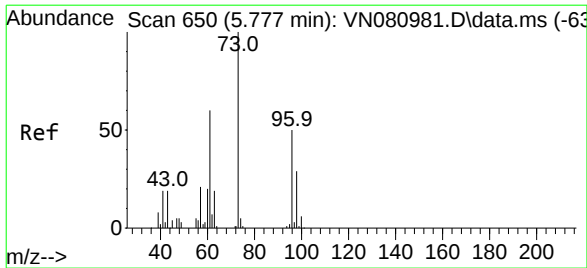
Reviewed By :John Carlone 05/15/2024
 Supervised By :Mahesh Dadoda 05/15/2024



#18
 Methylene Chloride
 Concen: 18.694 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.000 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

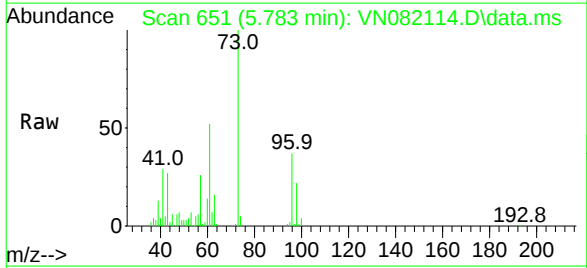
Tgt Ion: 84 Resp: 81908
 Ion Ratio Lower Upper
 84 100
 49 151.3 86.0 129.0#
 51 39.0 30.0 45.0
 86 59.0 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 16.948 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

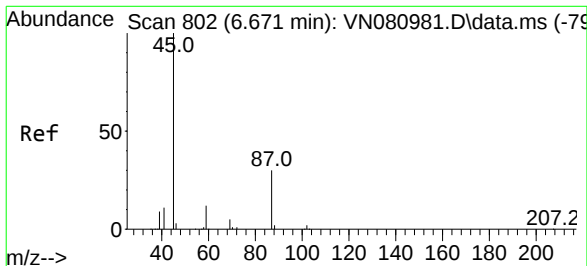
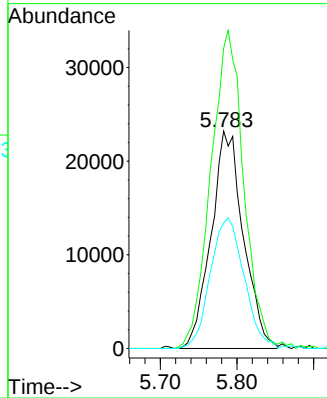
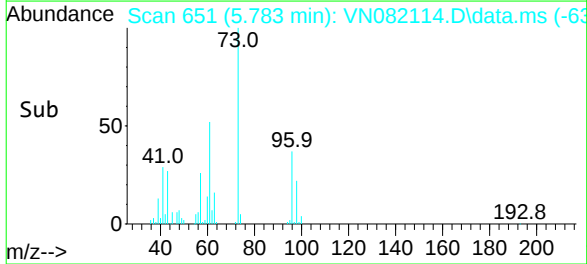
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



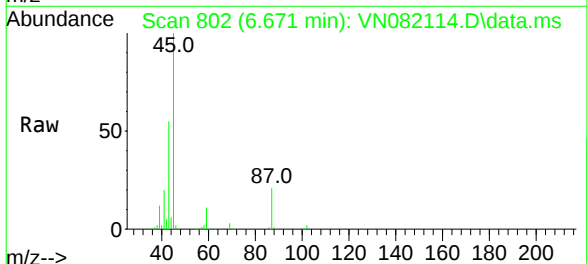
Tgt Ion: 96 Resp: 68015
Ion Ratio Lower Upper
96 100
61 137.4 111.8 167.6
98 57.7 49.2 73.8

Manual Integrations
APPROVED

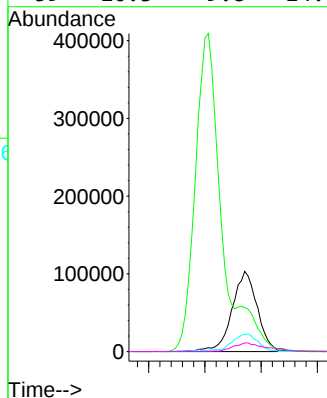
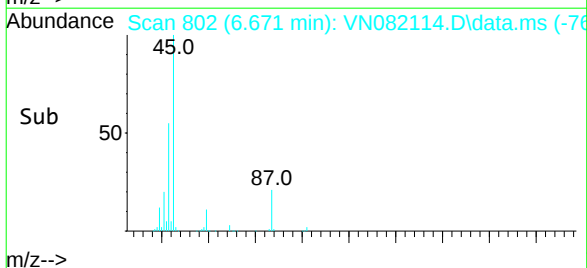
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024

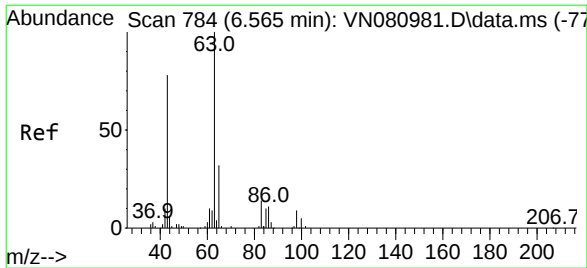


#20
Diisopropyl ether
Concen: 21.392 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28



Tgt Ion: 45 Resp: 319996
Ion Ratio Lower Upper
45 100
43 51.6 40.4 60.6
87 20.8 23.8 35.8#
59 10.3 9.8 14.6





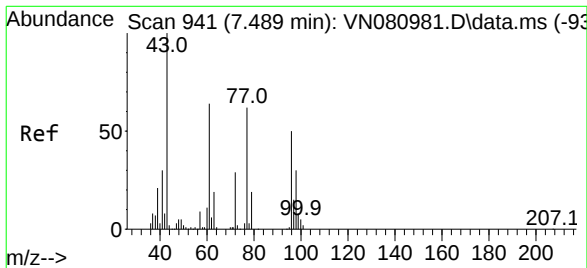
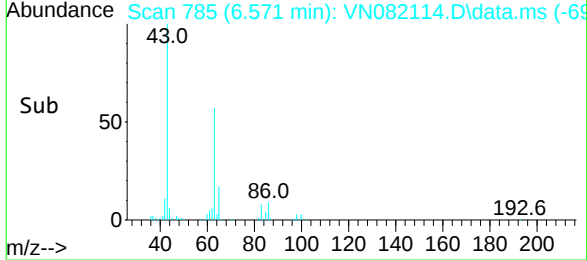
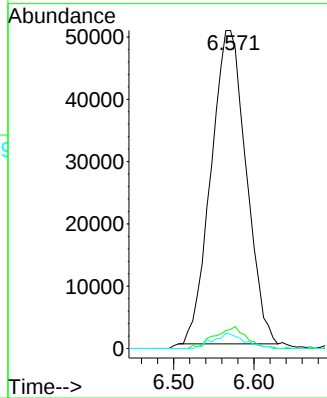
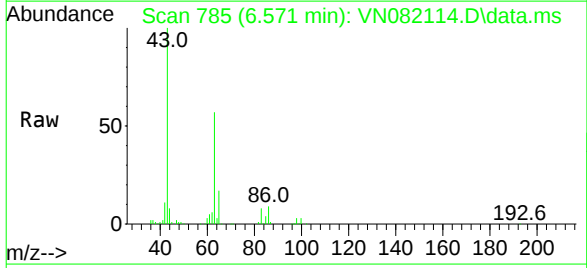
#21
1,1-Dichloroethane
Concen: 19.271 ug/l
RT: 6.571 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 152636
Ion Ratio Lower Upper
63 100
98 6.1 4.1 12.3
100 4.6 3.0 9.0

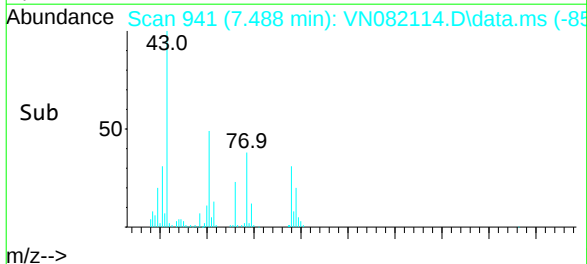
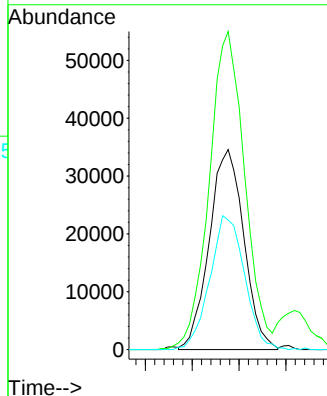
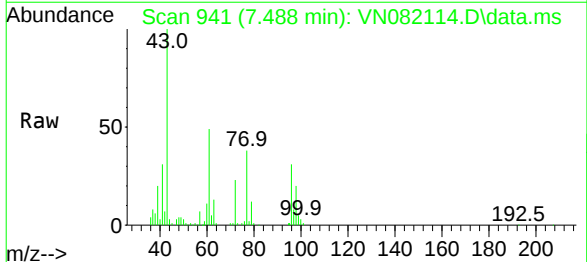
Manual Integrations
APPROVED

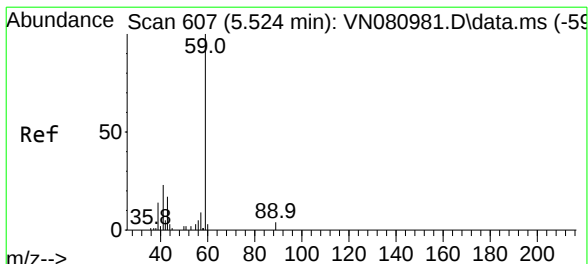
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#22
cis-1,2-Dichloroethene
Concen: 18.121 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 96 Resp: 88821
Ion Ratio Lower Upper
96 100
61 162.9 113.5 170.3
98 67.0 52.0 78.0





#23
tert-Butyl Alcohol
Concen: 90.201 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

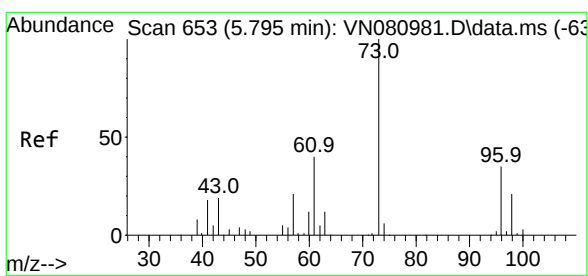
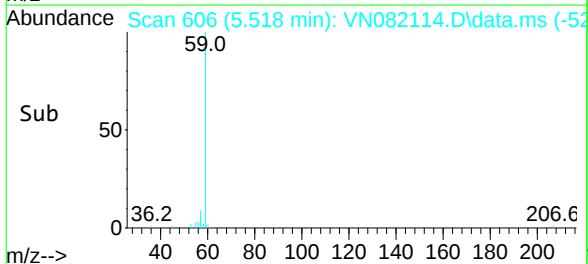
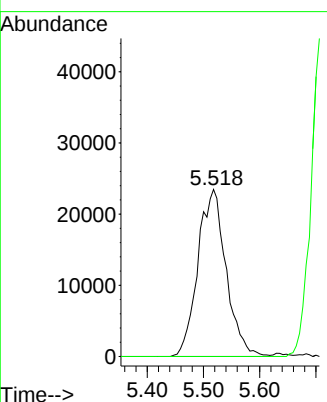
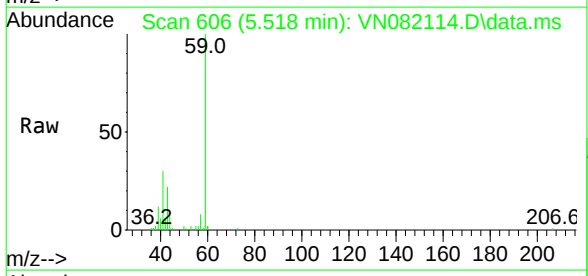
VSTDCCC020

Tgt Ion: 59 Resp: 81782
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations

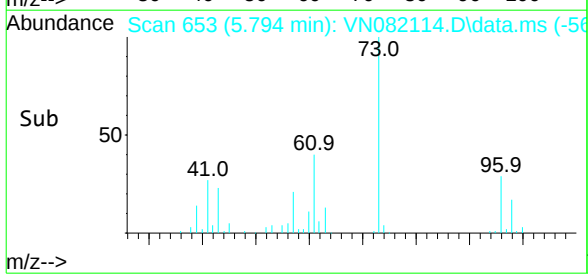
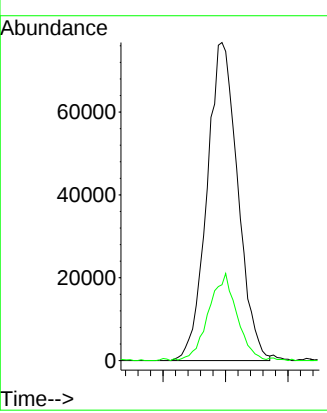
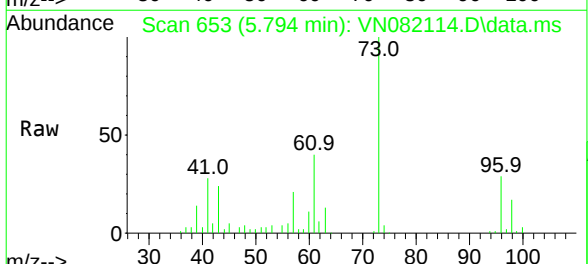
APPROVED

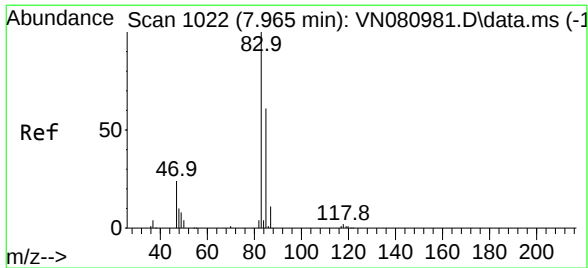
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#24
Methyl tert-Butyl Ether
Concen: 18.969 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 73 Resp: 263385
Ion Ratio Lower Upper
73 100
43 25.0 13.4 20.2#





#25

Chloroform

Concen: 20.805 ug/l

RT: 7.965 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 158534

Ion Ratio Lower Upper

83 100

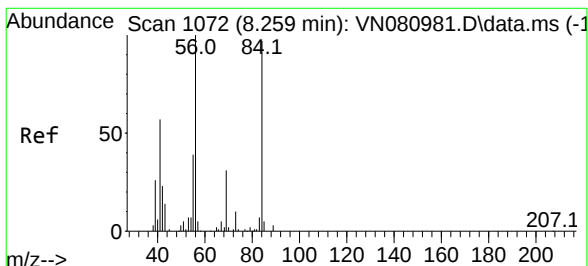
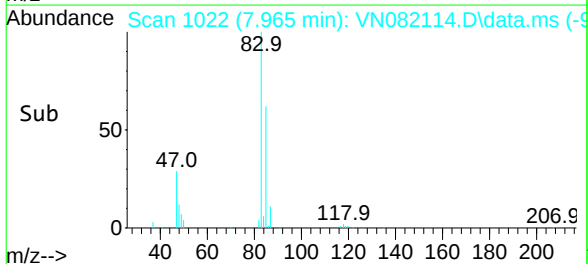
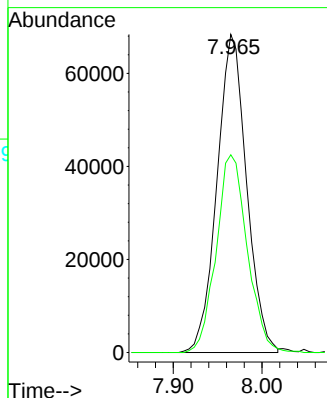
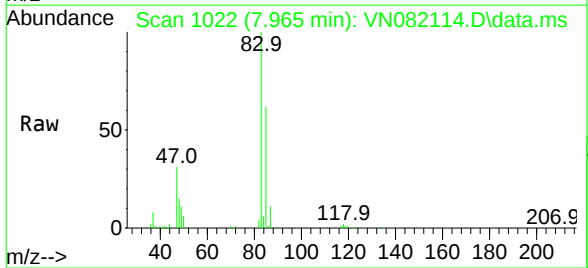
85 62.2 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#26

Cyclohexane

Concen: 17.399 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

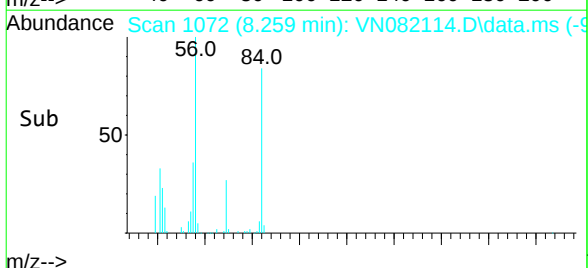
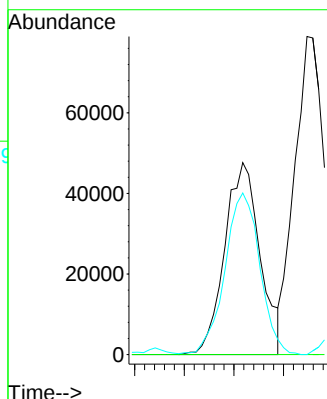
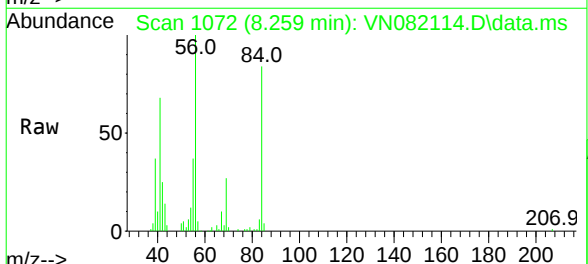
Tgt Ion: 56 Resp: 118460

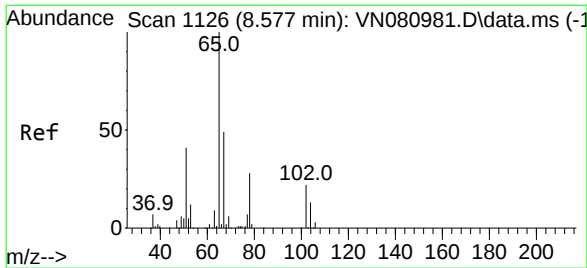
Ion Ratio Lower Upper

56 100

89 0.0 19.3 28.9#

84 82.6 71.3 106.9





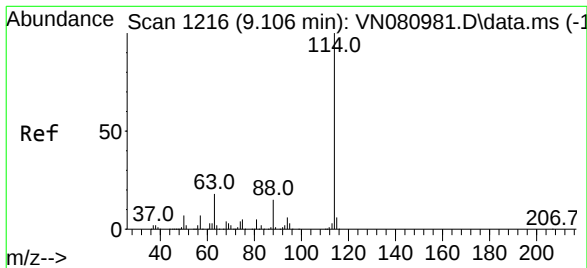
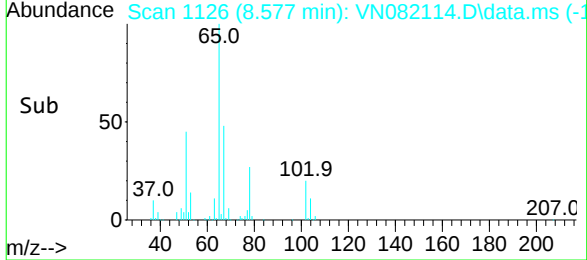
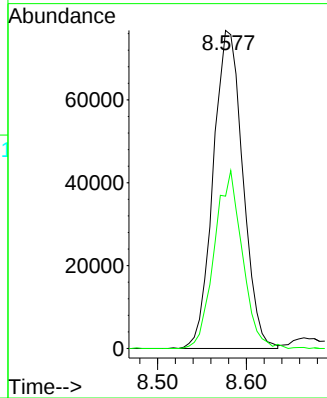
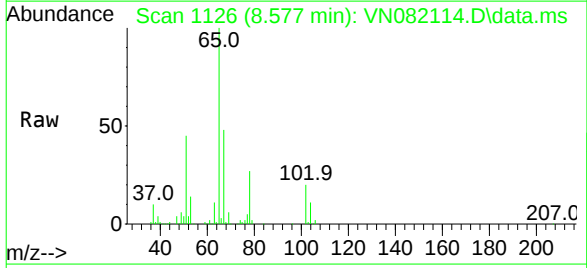
#27
1,2-Dichloroethane-d4
Concen: 33.665 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 177842
Ion Ratio Lower Upper
65 100
67 52.5 43.2 64.8

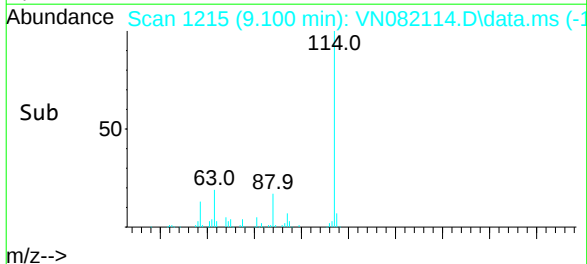
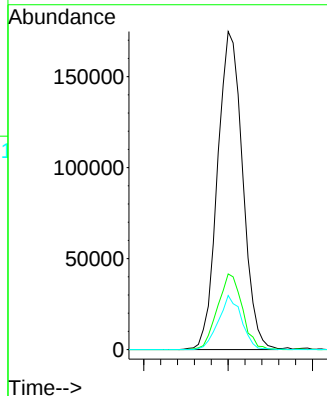
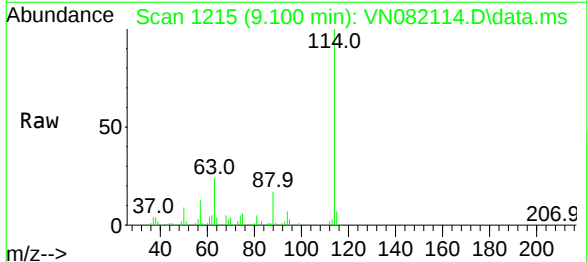
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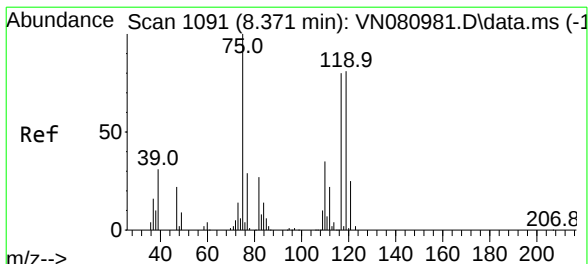
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

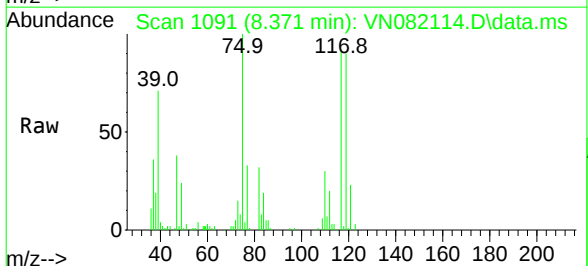
Tgt Ion:114 Resp: 362225
Ion Ratio Lower Upper
114 100
63 23.4 15.9 23.9
88 15.5 12.7 19.1





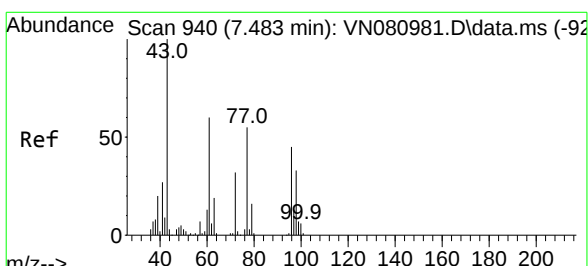
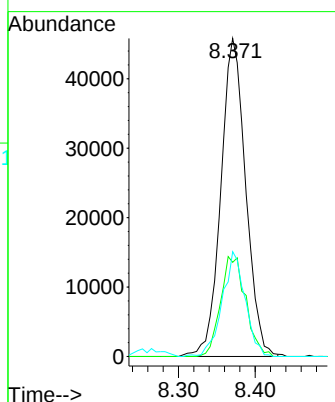
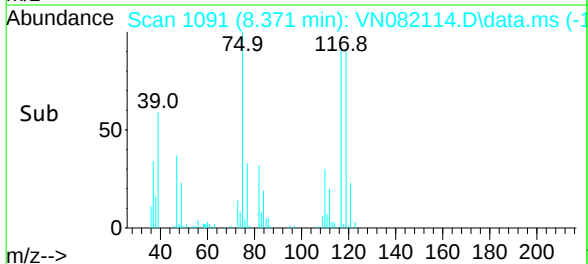
#29
 1,1-Dichloropropene
 Concen: 19.141 ug/l
 RT: 8.371 min Scan# 1091
 Delta R.T. -0.000 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020

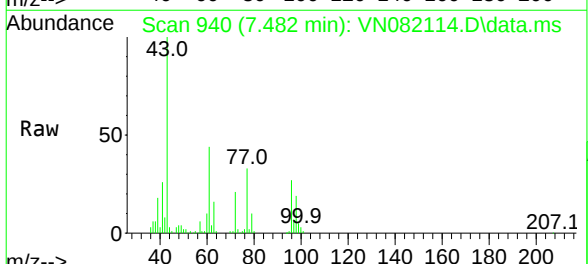


Tgt Ion:	75	Resp:	103219
Ion	Ratio	Lower	Upper
75	100		
110	31.8	0.0	70.2
77	30.1	0.0	61.4

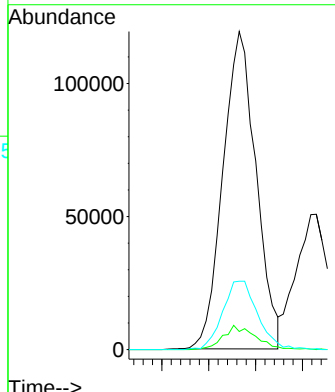
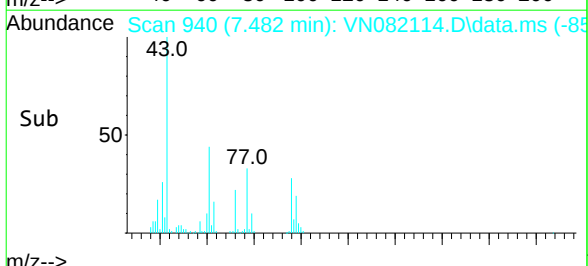
Manual Integrations
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 Reviewed By :John Carlone 05/15/2024
 Supervised By :Mahesh Dadoda 05/15/2024

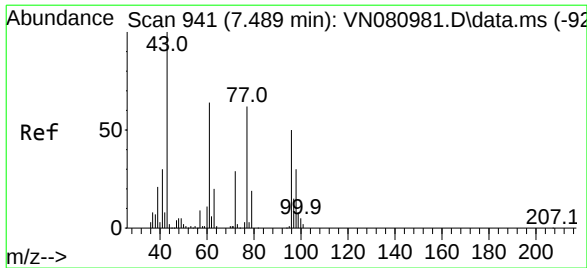


#30
 2-Butanone
 Concen: 105.612 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28



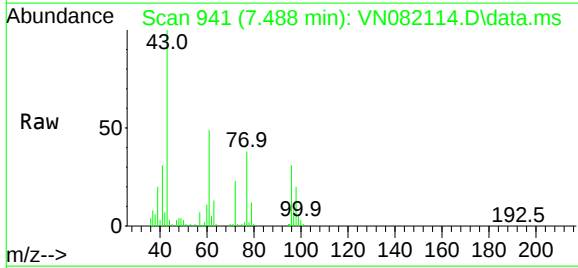
Tgt Ion:	43	Resp:	293576
Ion	Ratio	Lower	Upper
43	100		
57	7.4	6.7	10.1
72	22.5	24.0	36.0





#31
2,2-Dichloropropane
Concen: 22.014 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

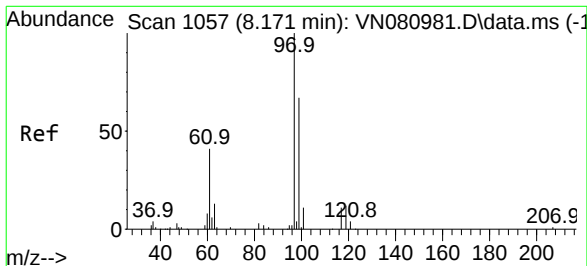
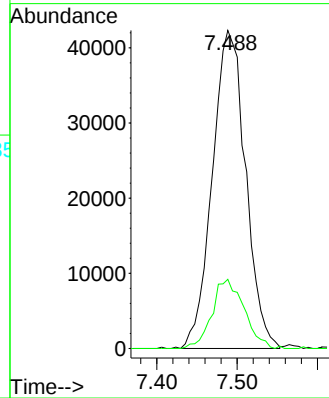
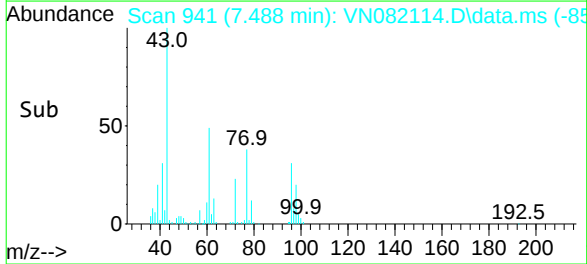
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 77 Resp: 121658
Ion Ratio Lower Upper
77 100
97 20.9 18.3 27.5

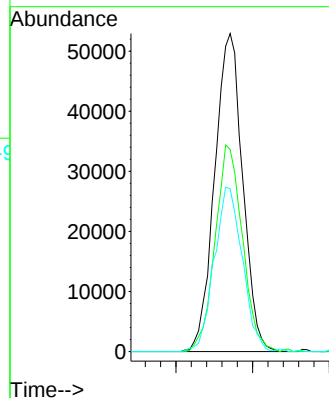
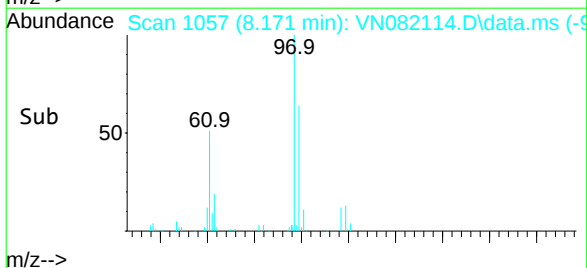
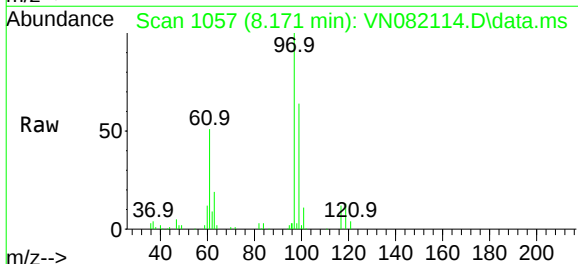
Manual Integrations
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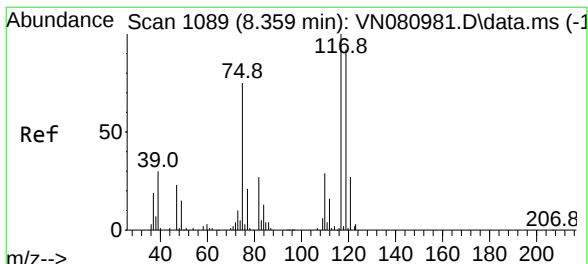
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#32
1,1,1-Trichloroethane
Concen: 21.625 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

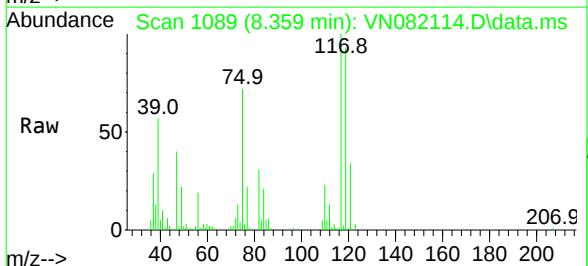
Tgt Ion: 97 Resp: 134122
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.4
61 52.0 33.8 50.8#





#33
Carbon Tetrachloride
Concen: 21.760 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

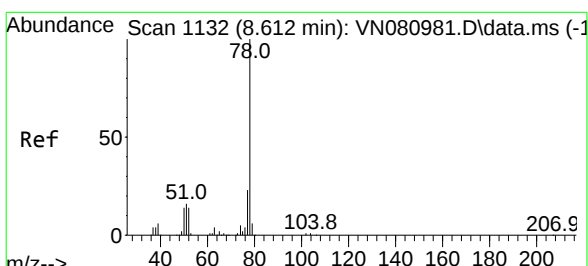
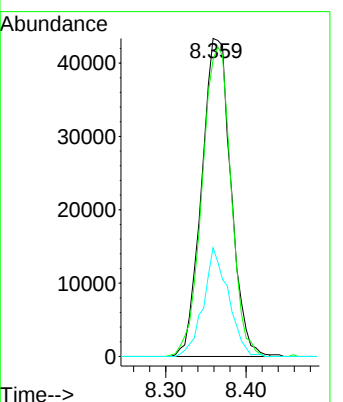
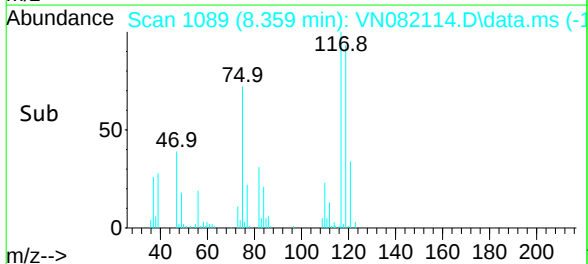
Instrument : MSVOA_N
ClientSampleId : VSTDCCC020



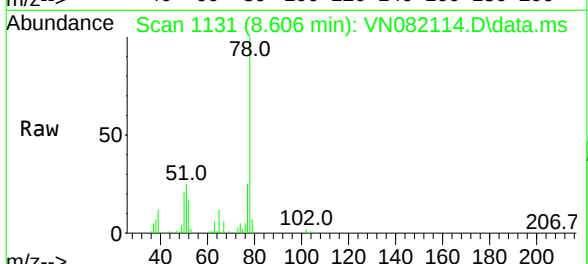
Tgt Ion: 117 Resp: 109525

Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.7	116.5
121	34.2	27.0	40.6

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Supervised By : Mahesh Dadoda 05/15/2024

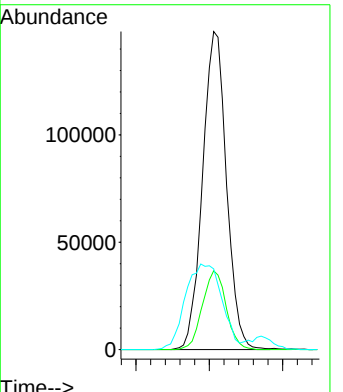
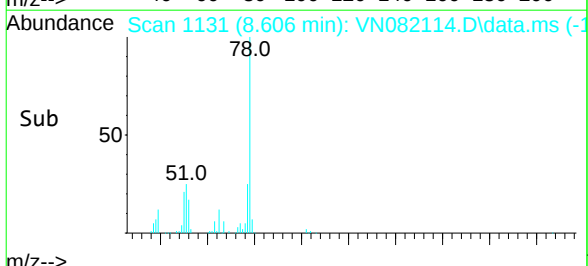


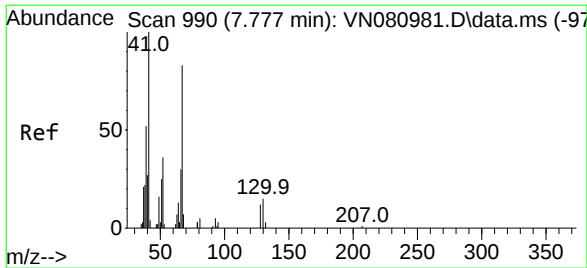
#34
Benzene
Concen: 19.505 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28



Tgt Ion: 78 Resp: 335558

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8
51	23.6	13.3	19.9





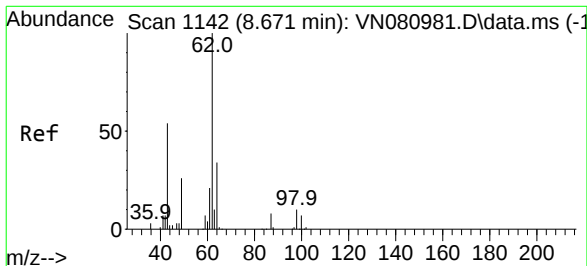
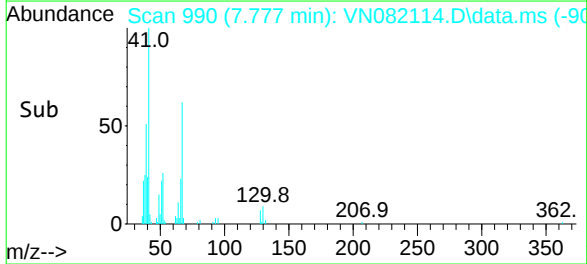
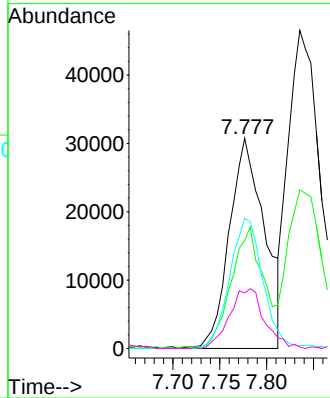
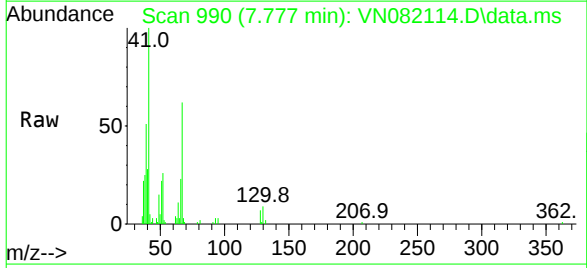
#35
Methacrylonitrile
Concen: 22.790 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	80149
Ion	Ratio	Lower	Upper
41	100		
39	50.8	25.3	75.9
67	61.9	38.7	116.1
52	26.4	13.6	40.8

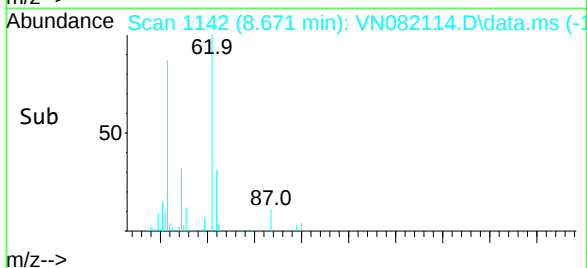
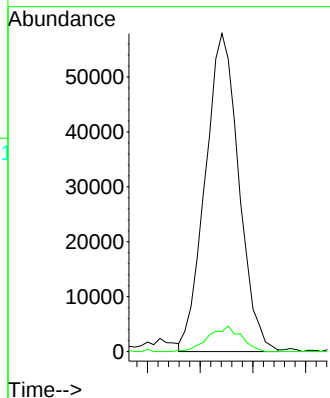
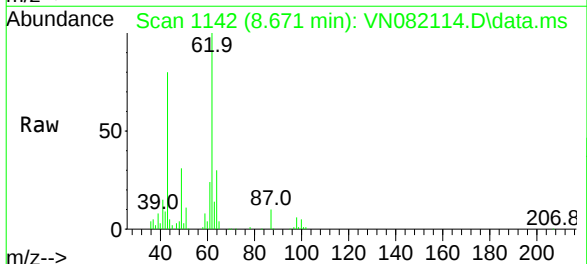
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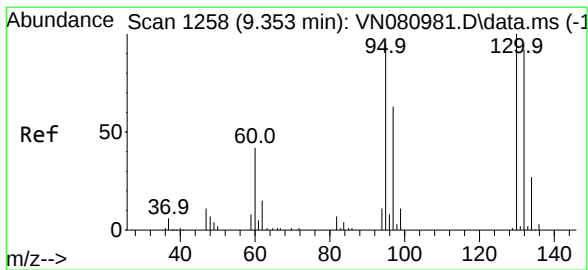
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#36
1,2-Dichloroethane
Concen: 22.233 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

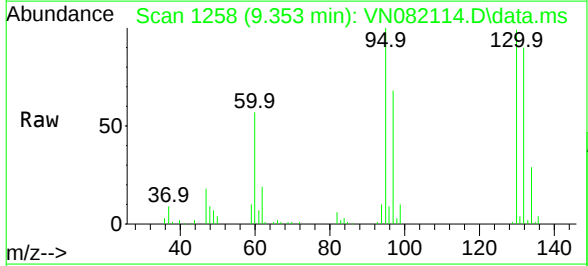
Tgt Ion:	62	Resp:	128399
Ion	Ratio	Lower	Upper
62	100		
98	7.7	8.2	12.4#





#37
 Trichloroethene
 Concen: 17.584 ug/l
 RT: 9.353 min Scan# 1258
 Delta R.T. -0.000 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

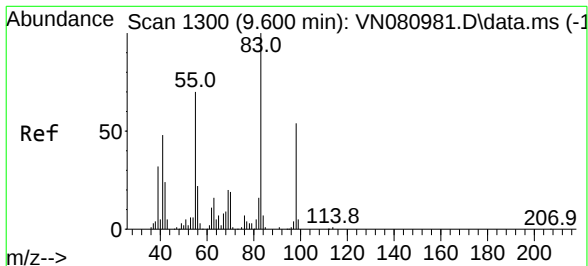
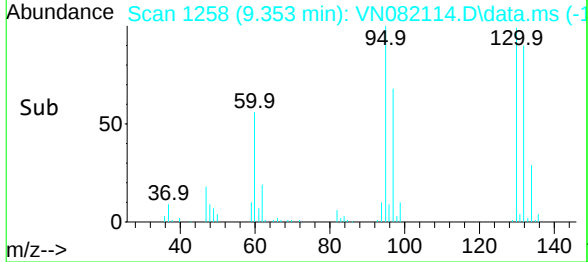
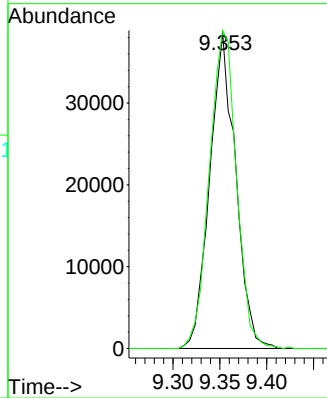
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020



Tgt Ion:130 Resp: 74096
 Ion Ratio Lower Upper
 130 100
 95 100.6 80.2 120.4

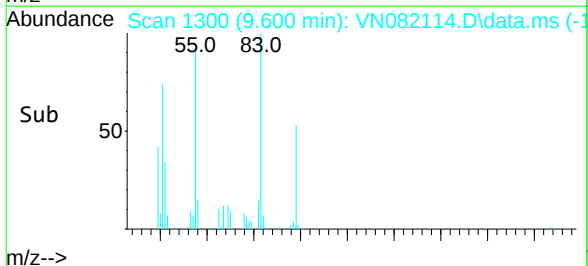
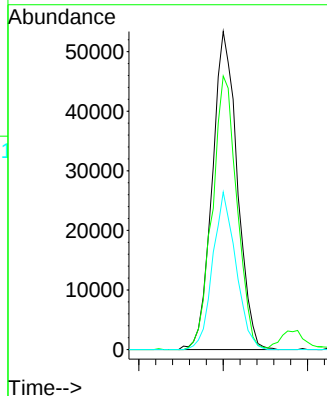
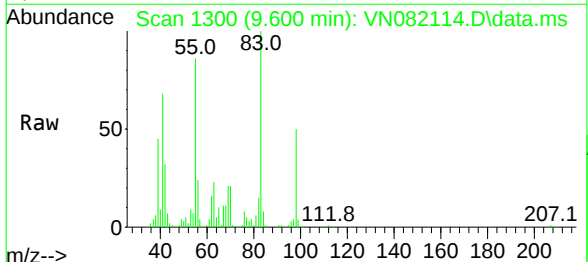
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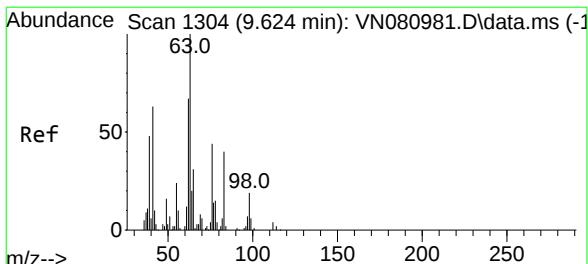
Reviewed By :John Carlone 05/15/2024
 Supervised By :Mahesh Dadoda 05/15/2024



#38
 Methylcyclohexane
 Concen: 16.864 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. -0.000 min
 Lab File: VN082114.D
 Acq: 14 May 2024 13:28

Tgt Ion: 83 Resp: 109860
 Ion Ratio Lower Upper
 83 100
 55 84.7 36.6 109.9
 98 46.0 23.8 71.5





#39
1,2-Dichloropropane
Concen: 20.373 ug/l
RT: 9.618 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

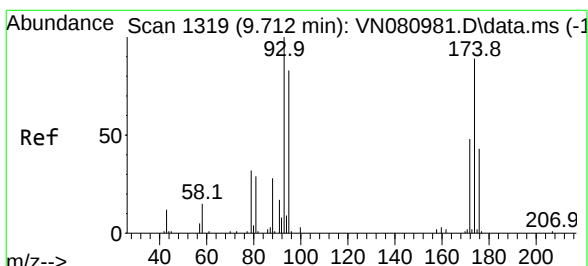
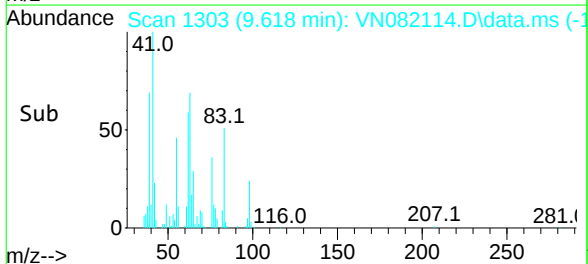
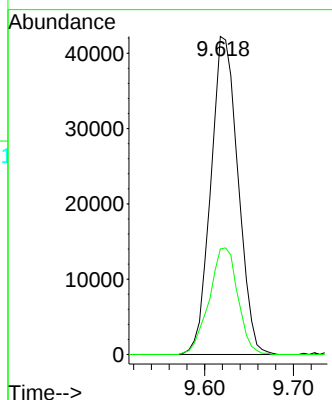
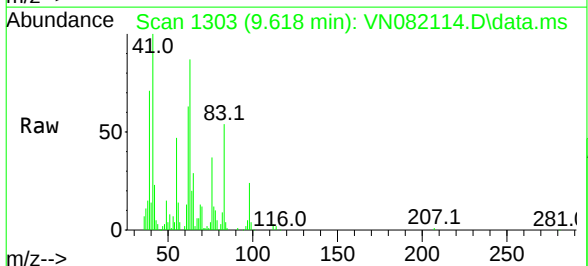
ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 89932
Ion Ratio Lower Upper
63 100
65 33.2 25.0 37.4

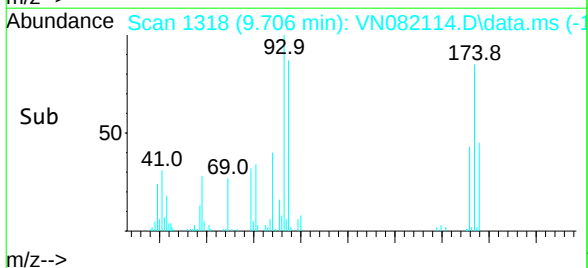
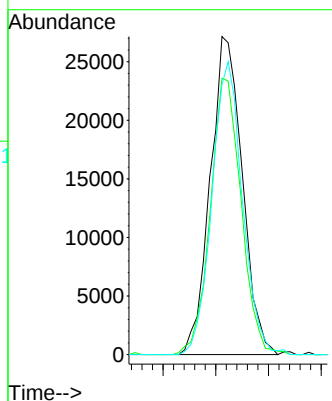
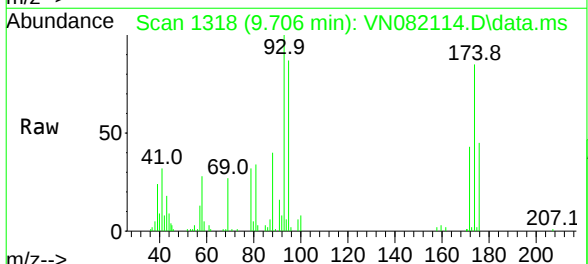
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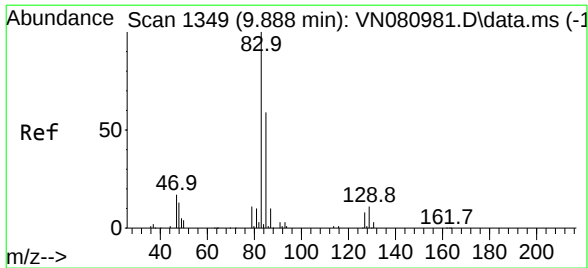
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#40
Dibromomethane
Concen: 20.198 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 93 Resp: 57279
Ion Ratio Lower Upper
93 100
95 83.6 0.0 164.6
174 87.4 0.0 193.2





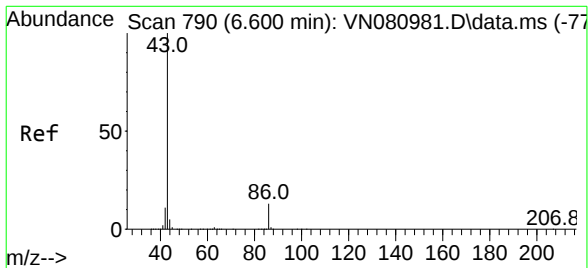
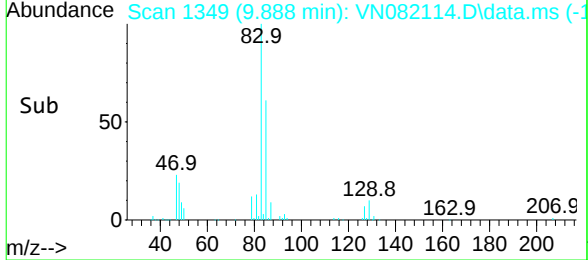
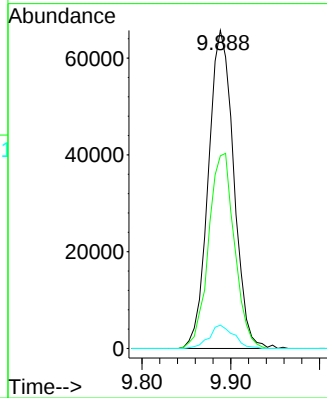
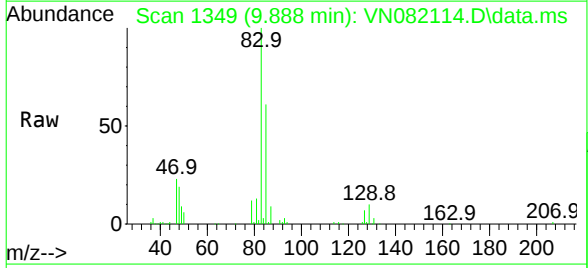
#41
Bromodichloromethane
Concen: 21.490 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	49.4	74.2
127	7.4	7.3	10.9

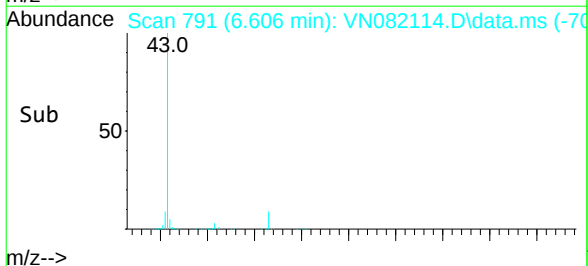
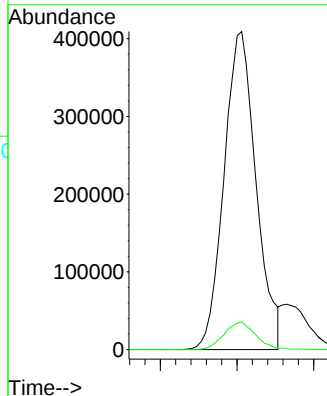
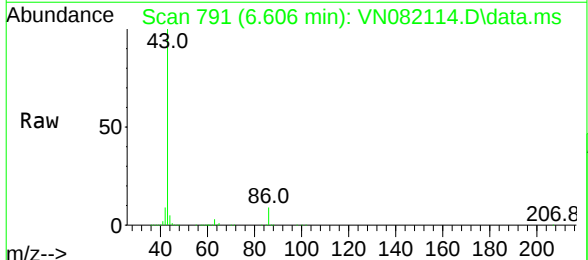
Manual Integrations
APPROVED

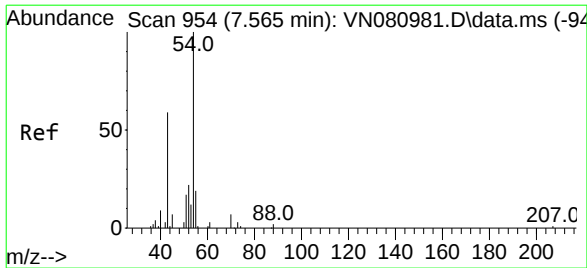
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#42
Vinyl Acetate
Concen: 100.329 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

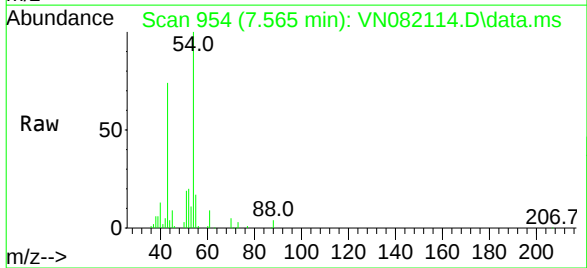
Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	9.4	14.2#





#43
Ethyl Acetate
Concen: 21.004 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

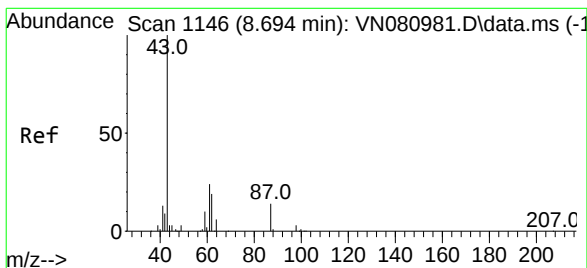
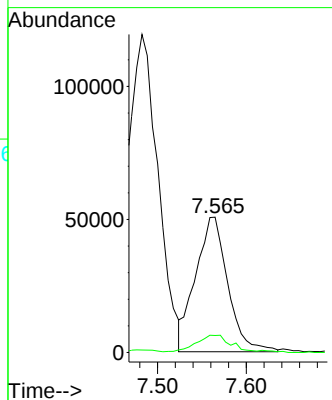
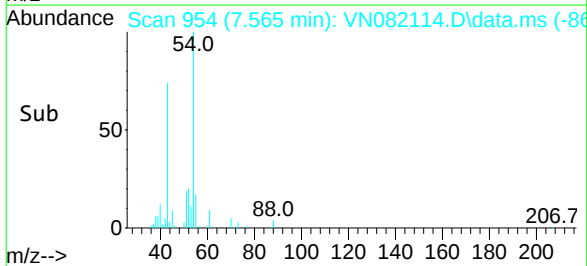
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



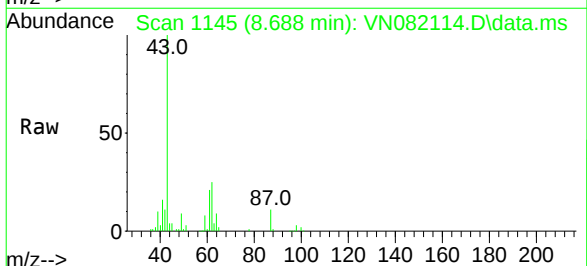
Tgt Ion: 43 Resp: 127736
Ion Ratio Lower Upper
43 100
45 11.1 10.6 15.8

Manual Integrations
APPROVED

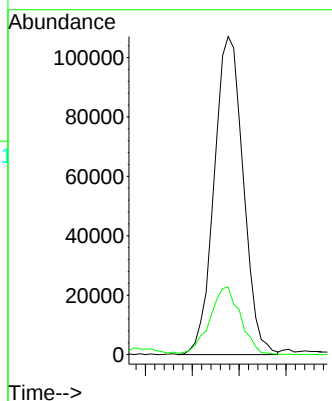
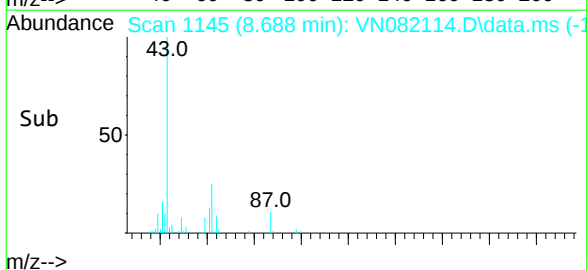
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024

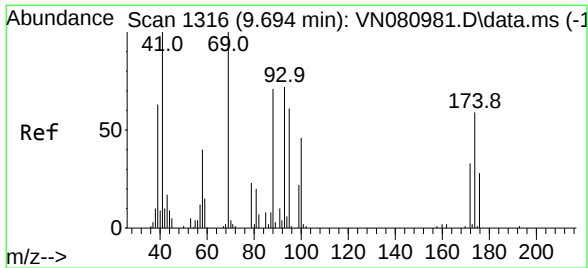


#44
Isopropyl Acetate
Concen: 21.488 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28



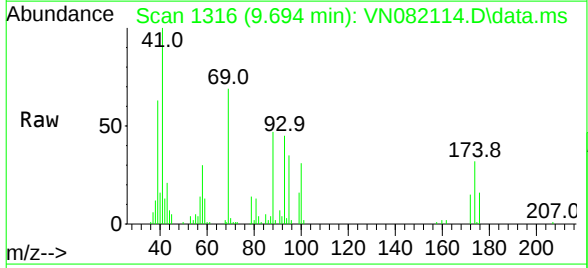
Tgt Ion: 43 Resp: 231181
Ion Ratio Lower Upper
43 100
61 22.5 25.0 37.4#





#45
1,4-Dioxane
Concen: 361.406 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

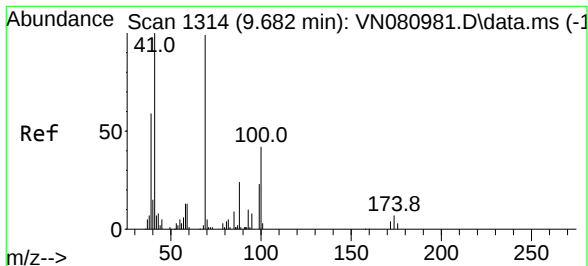
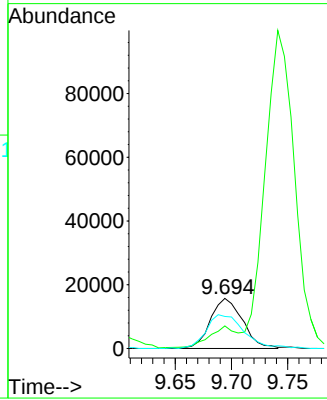
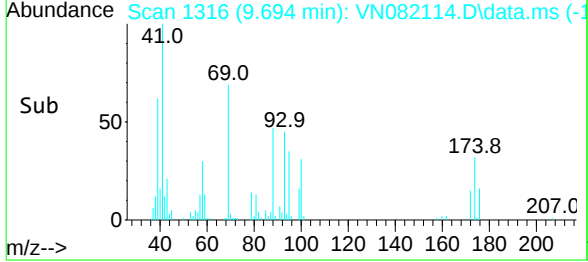
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 31186
Ion Ratio Lower Upper
88 100
43 36.4 19.8 29.6#
58 77.0 55.4 83.0

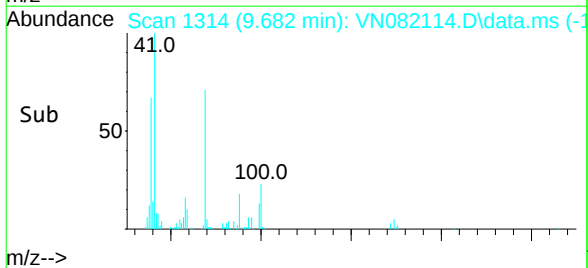
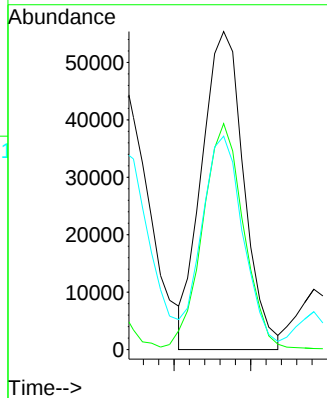
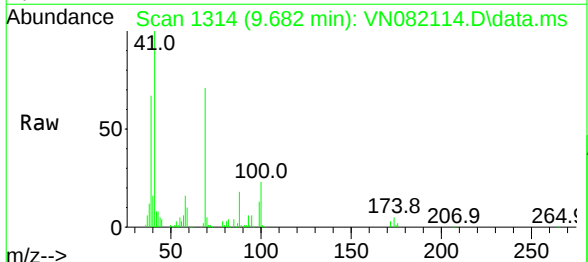
Manual Integrations
APPROVED

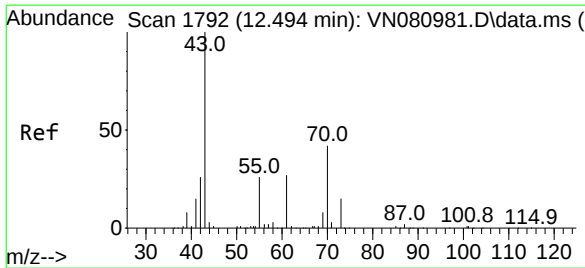
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#46
Methyl methacrylate
Concen: 21.496 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 41 Resp: 105671
Ion Ratio Lower Upper
41 100
69 72.6 51.1 153.3
39 67.5 25.8 77.3





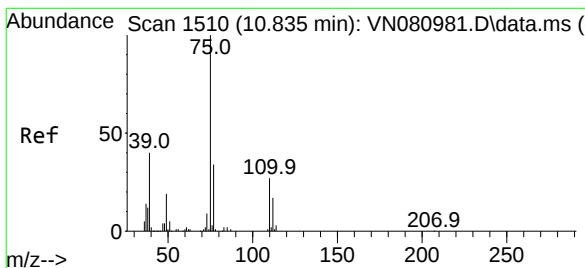
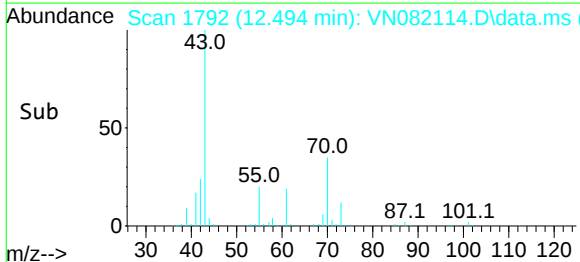
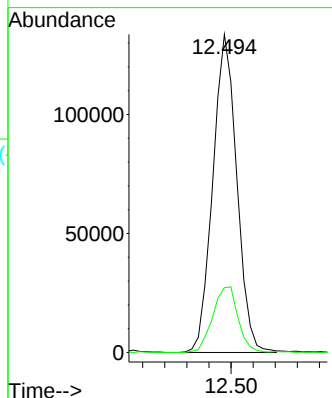
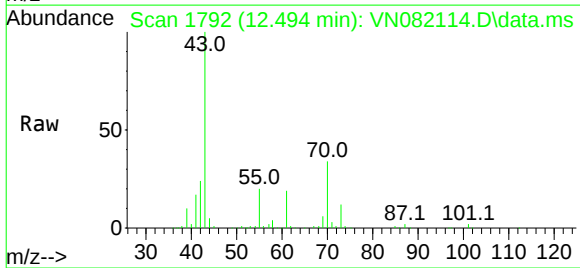
#47
n-amy1 Acetate
Concen: 20.779 ug/l m
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 201599
Ion Ratio Lower Upper
43 100
55 0.3 23.4 35.2#

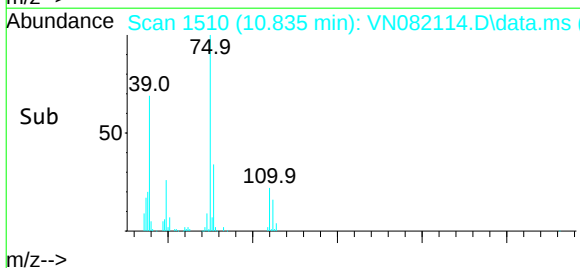
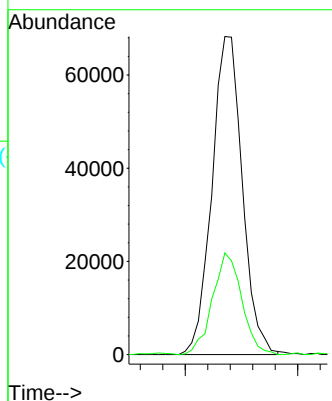
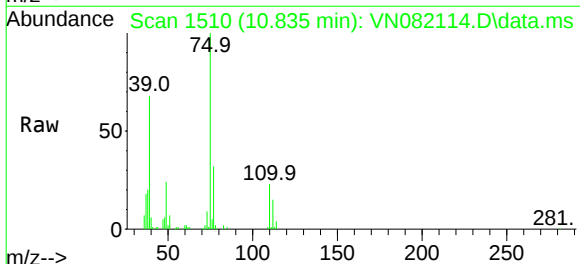
Manual Integrations
APPROVED

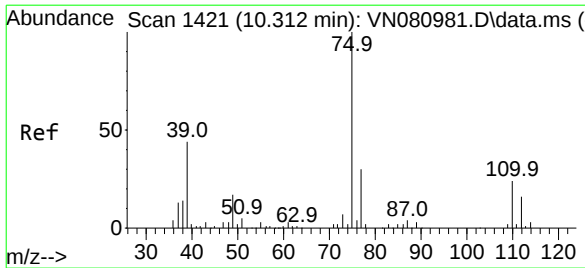
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#48
t-1,3-Dichloropropene
Concen: 19.487 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 75 Resp: 128086
Ion Ratio Lower Upper
75 100
77 31.9 23.8 35.6





#49

cis-1,3-Dichloropropene

Concen: 19.000 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 132043

Ion Ratio Lower Upper

75 100

77 35.8 24.9 37.3

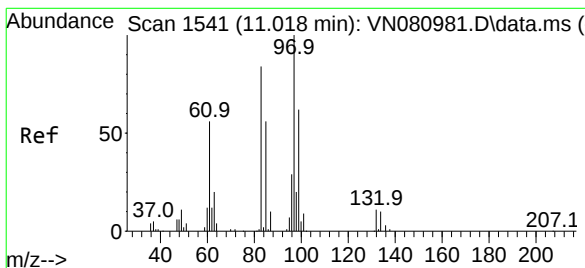
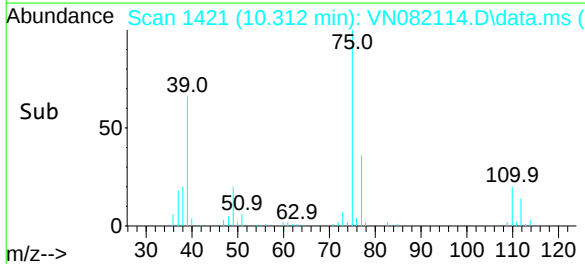
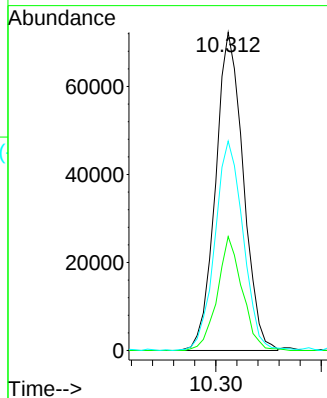
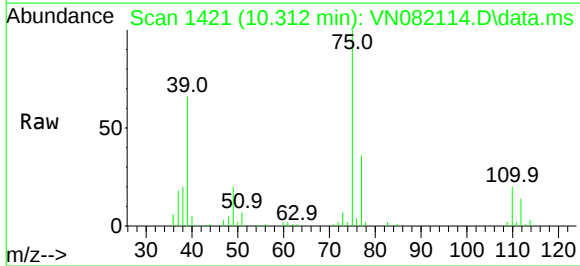
39 65.6 31.0 46.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#50

1,1,2-Trichloroethane

Concen: 21.152 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion: 97 Resp: 81379

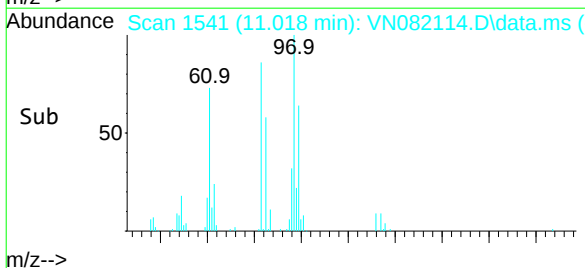
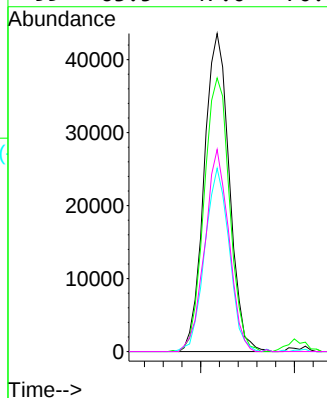
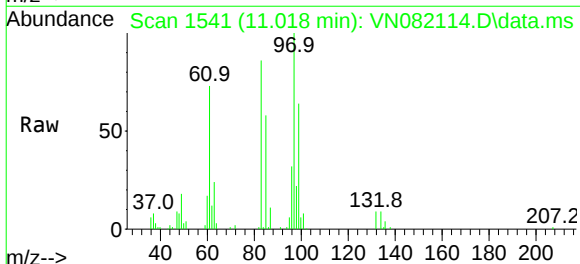
Ion Ratio Lower Upper

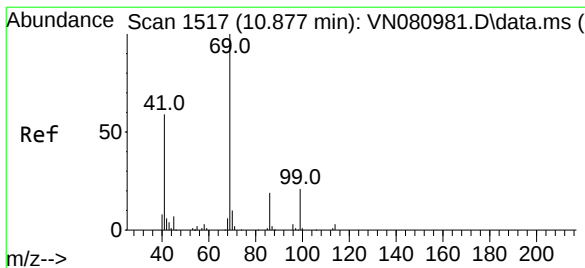
97 100

83 86.0 68.1 102.1

85 57.6 41.8 62.6

99 63.5 47.0 70.4





#51

Ethyl methacrylate

Concen: 18.060 ug/l m

RT: 10.876 min Scan# 1517

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

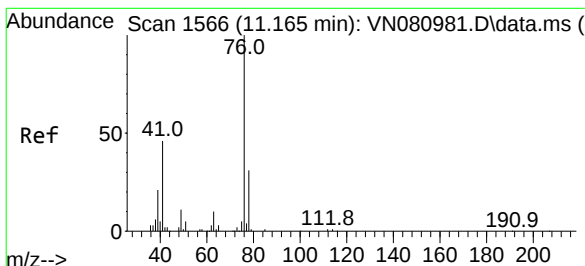
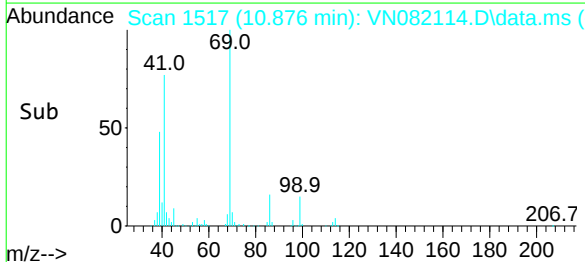
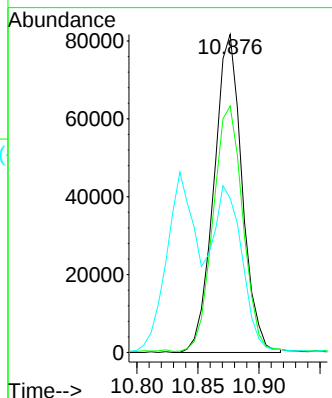
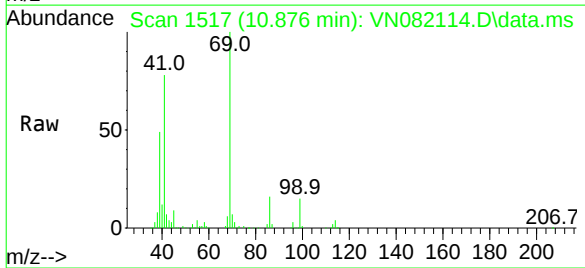
Tgt Ion:	69	Resp:	131138
Ion	Ratio	Lower	Upper
69	100		
41	77.5	25.5	76.5#
39	48.5	16.0	47.9#

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#52

1,3-Dichloropropane

Concen: 20.513 ug/l

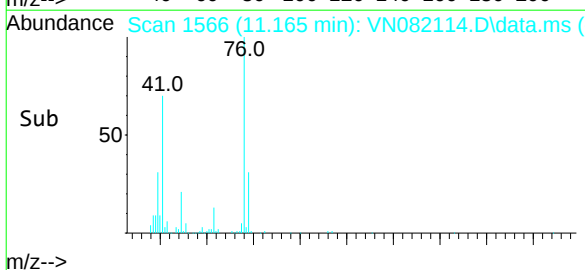
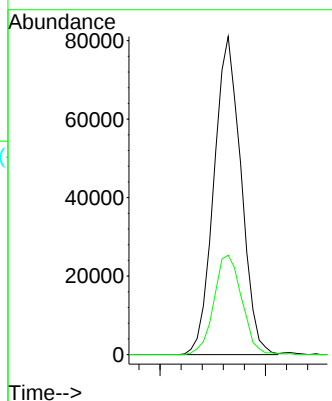
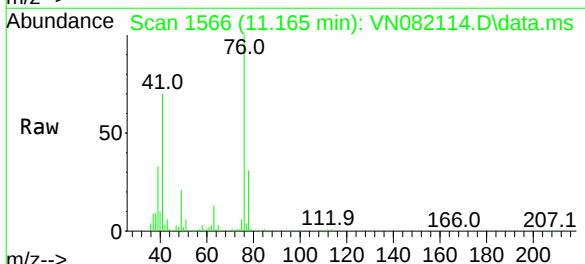
RT: 11.165 min Scan# 1566

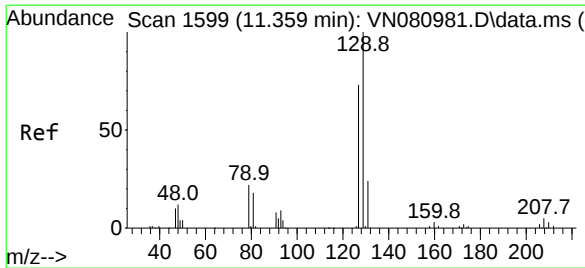
Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	76	Resp:	144996
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.8





#53

Dibromochloromethane

Concen: 20.930 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 87613

Ion Ratio Lower Upper

129 100

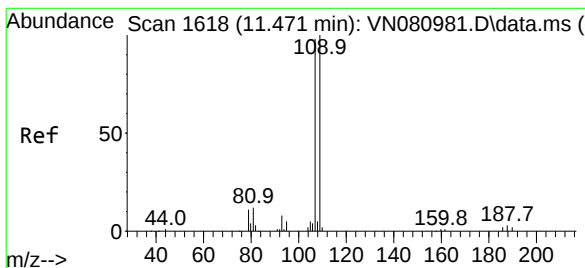
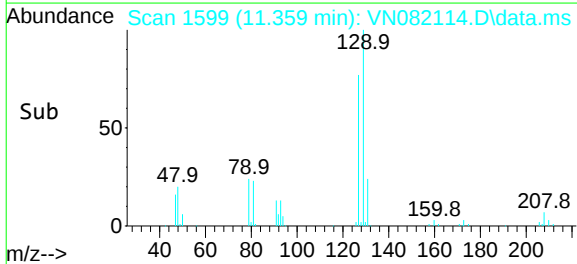
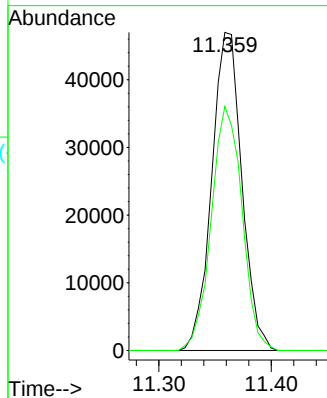
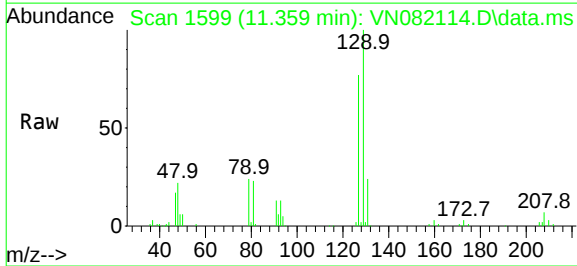
127 78.2 39.4 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#54

1,2-Dibromoethane

Concen: 20.267 ug/l

RT: 11.470 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VN082114.D

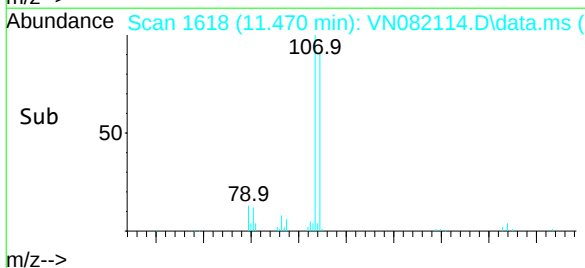
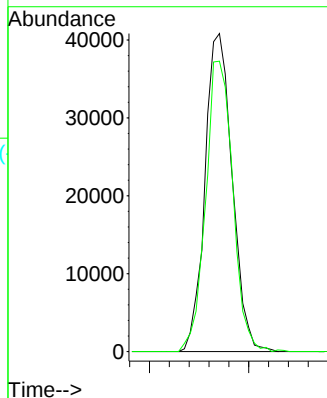
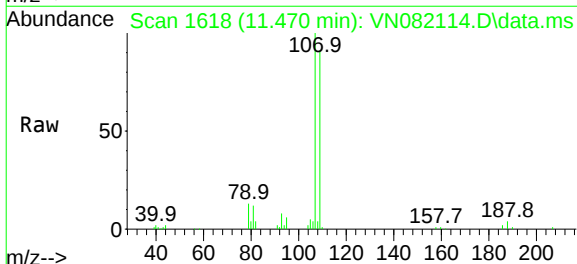
Acq: 14 May 2024 13:28

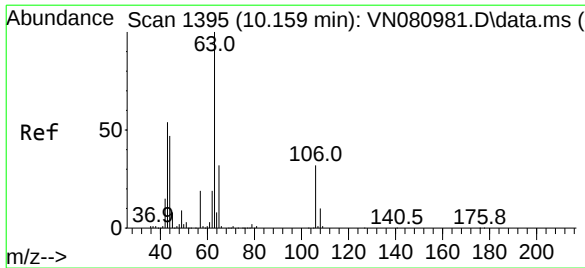
Tgt Ion:107 Resp: 77767

Ion Ratio Lower Upper

107 100

109 91.1 74.7 112.1





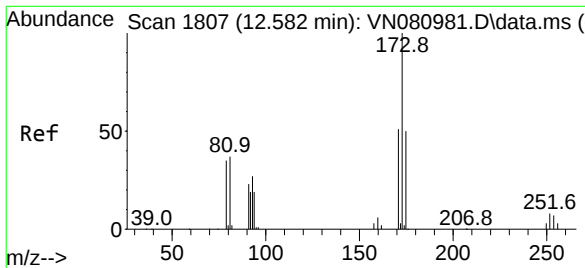
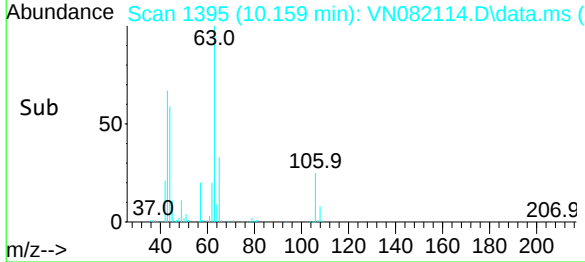
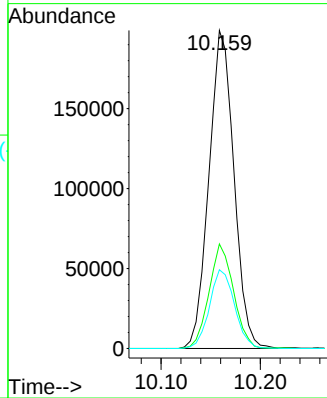
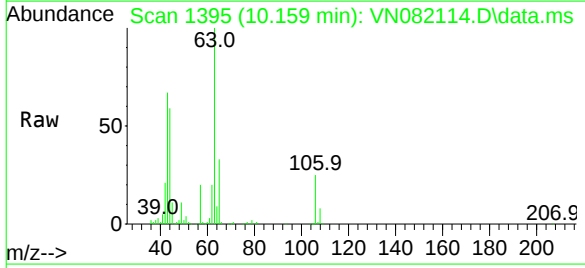
#55
2-Chloroethyl vinyl ether
Concen: 95.838 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 347992
Ion Ratio Lower Upper
63 100
65 32.3 26.2 39.2
106 24.9 23.8 35.8

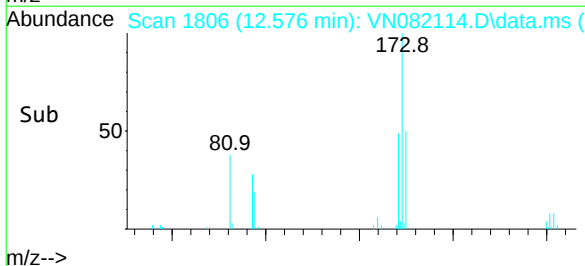
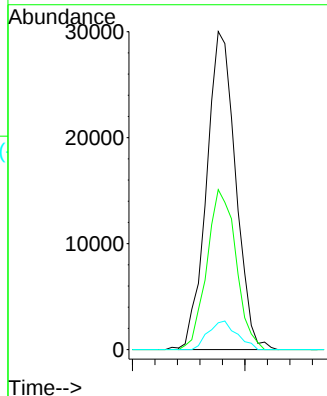
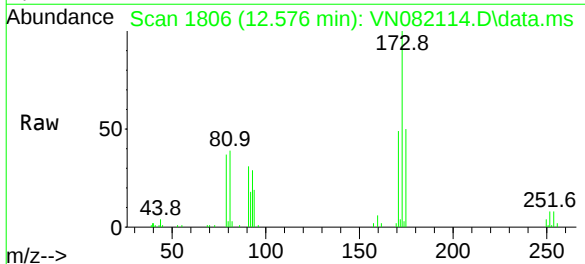
Manual Integrations
APPROVED

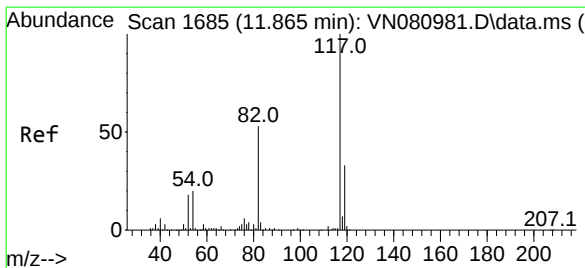
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#56
Bromoform
Concen: 21.135 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion:173 Resp: 53845
Ion Ratio Lower Upper
173 100
175 50.5 40.0 60.0
254 8.8 8.3 12.5





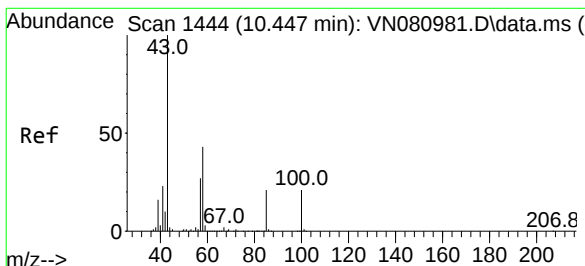
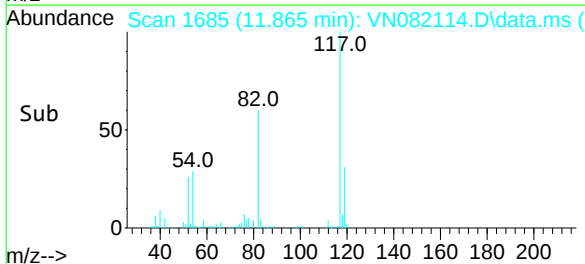
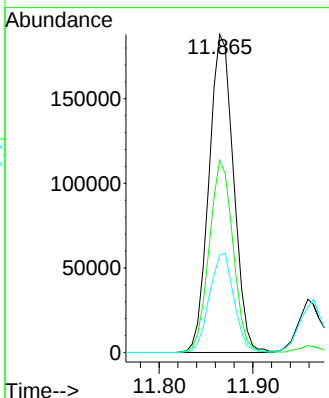
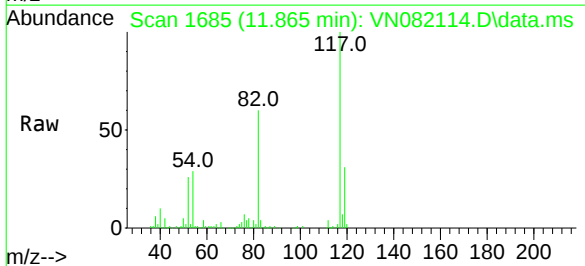
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 117 Resp: 343026
Ion Ratio Lower Upper
117 100
82 58.6 46.6 69.8
119 31.2 25.4 38.2

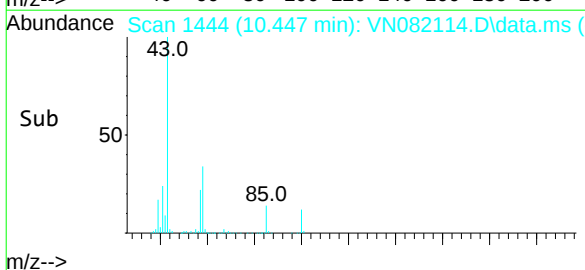
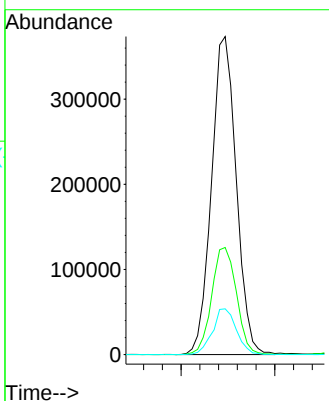
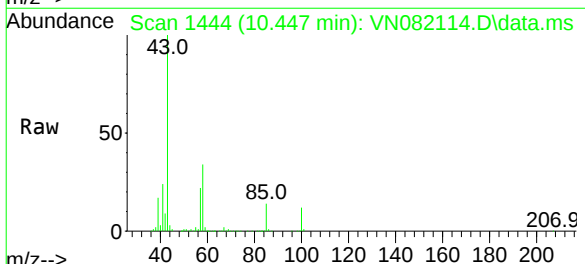
Manual Integrations
APPROVED

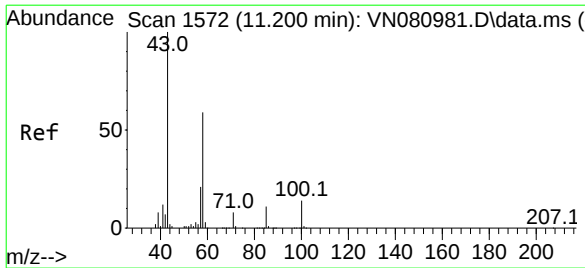
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#58
4-Methyl-2-Pentanone
Concen: 102.914 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 43 Resp: 685428
Ion Ratio Lower Upper
43 100
58 33.7 36.5 54.7#
85 13.9 19.5 29.3#





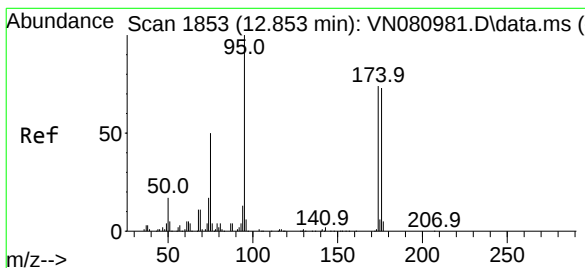
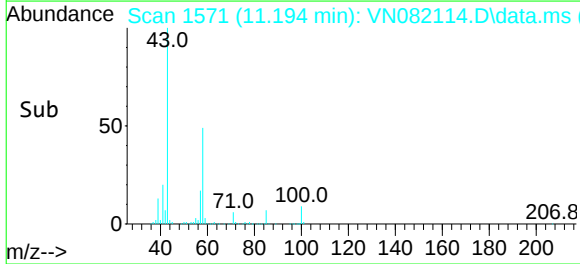
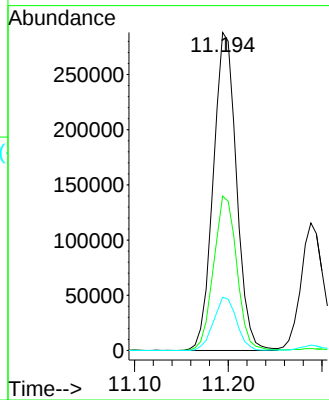
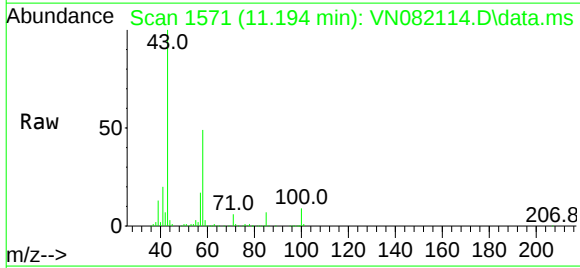
#59
2-Hexanone
Concen: 100.521 ug/l
RT: 11.194 min Scan# 1572
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument : MSVOA_N
ClientSampleId : VSTDCCC020

Tgt Ion: 43 Resp: 496414
Ion Ratio Lower Upper
43 100
58 48.4 50.4 75.6#
57 16.6 18.6 27.8#

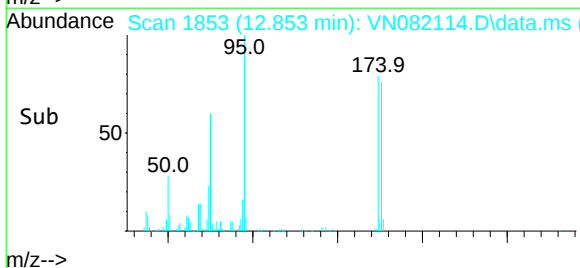
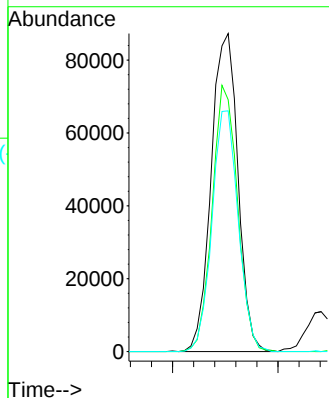
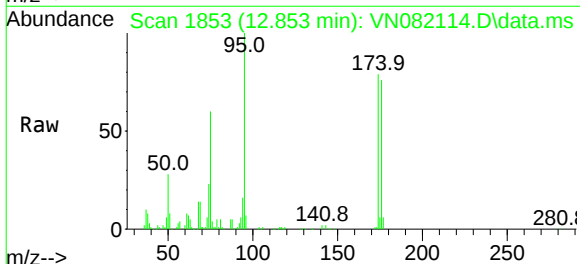
Manual Integrations
APPROVED

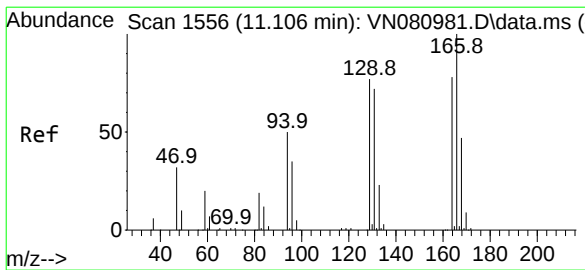
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#60
4-Bromofluorobenzene
Concen: 26.974 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 95 Resp: 153986
Ion Ratio Lower Upper
95 100
174 79.2 60.5 90.7
176 74.2 57.8 86.6





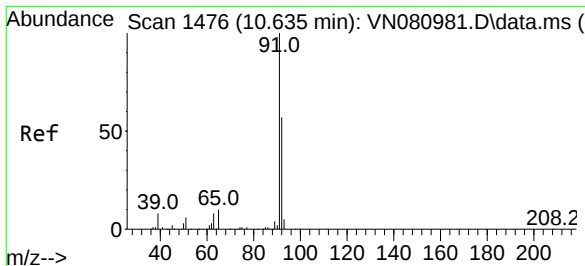
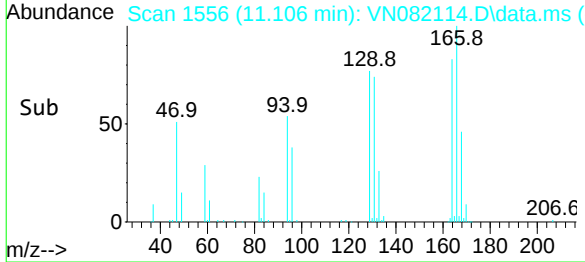
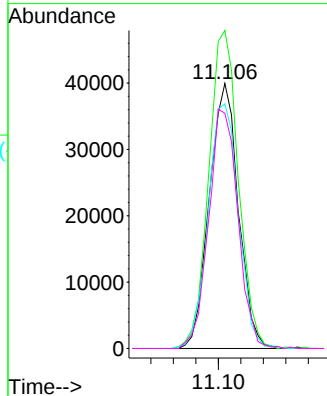
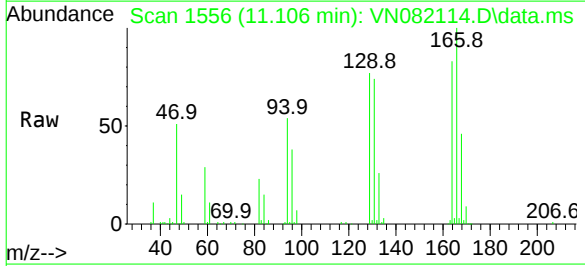
#61
Tetrachloroethene
Concen: 18.824 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:164 Resp: 71649
Ion Ratio Lower Upper
164 100
166 120.0 106.7 160.1
129 91.6 85.8 128.6
131 88.7 79.1 118.7

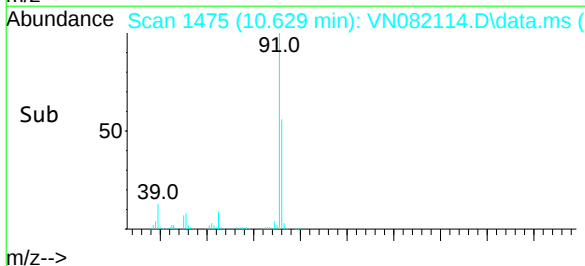
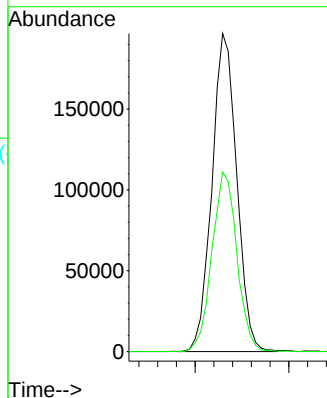
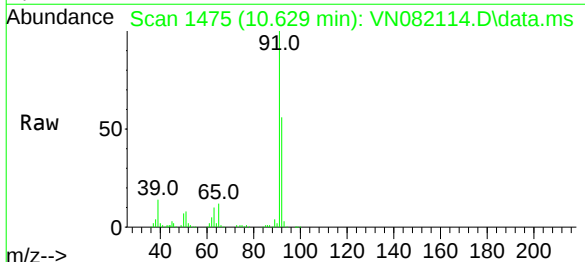
Manual Integrations
APPROVED

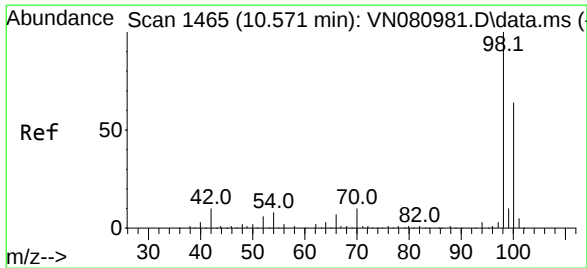
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#62
Toluene
Concen: 18.719 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 91 Resp: 361280
Ion Ratio Lower Upper
91 100
92 56.8 46.5 69.7





#63

Toluene-d8

Concen: 28.907 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 470901

Ion Ratio Lower Upper

98 100

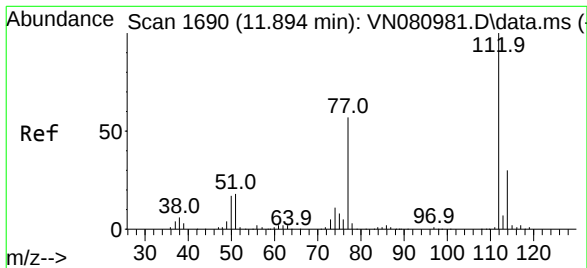
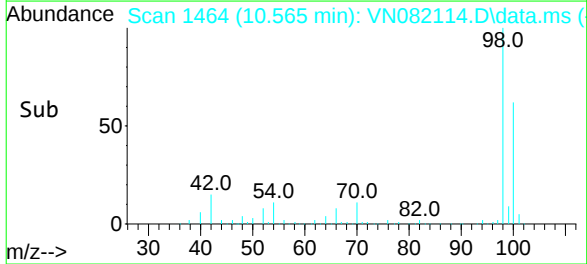
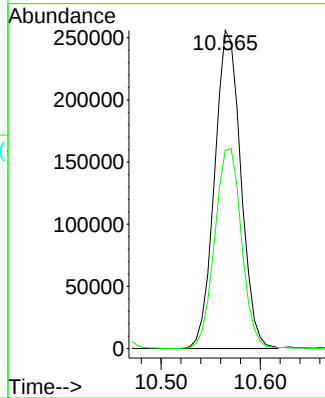
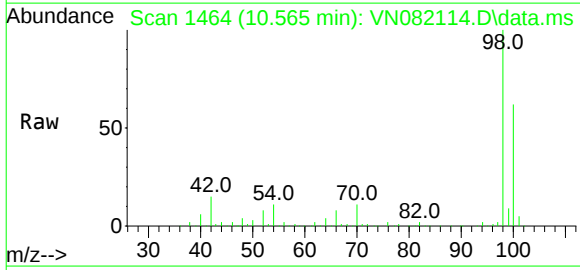
100 64.2 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#64

Chlorobenzene

Concen: 18.502 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN082114.D

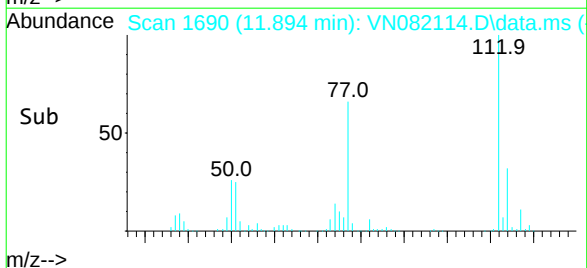
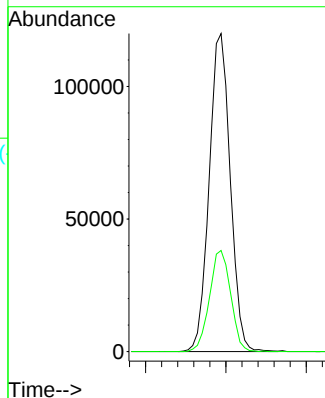
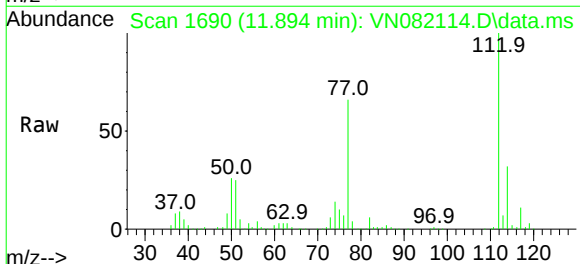
Acq: 14 May 2024 13:28

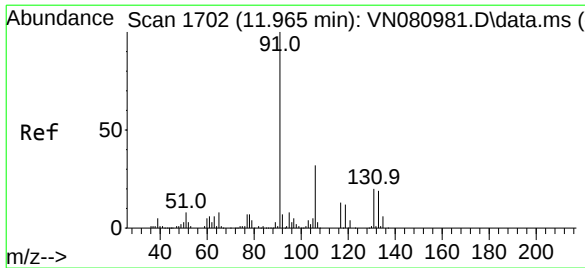
Tgt Ion:112 Resp: 218419

Ion Ratio Lower Upper

112 100

114 31.8 26.6 39.8





#65

1,1,1,2-Tetrachloroethane

Concen: 20.184 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

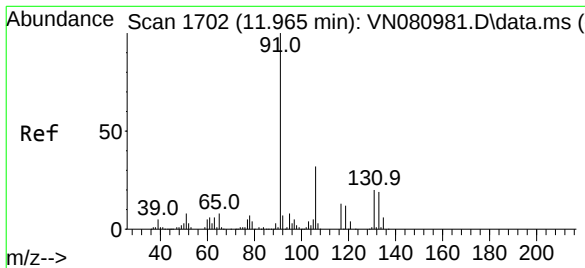
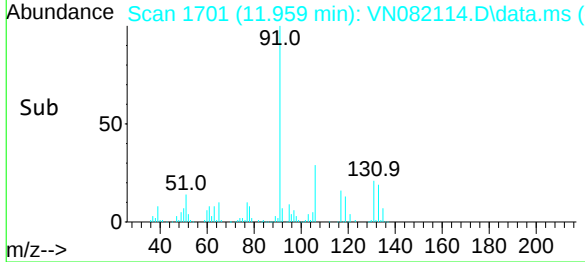
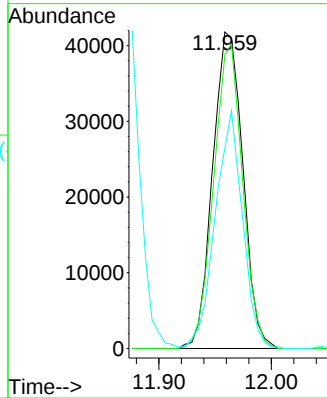
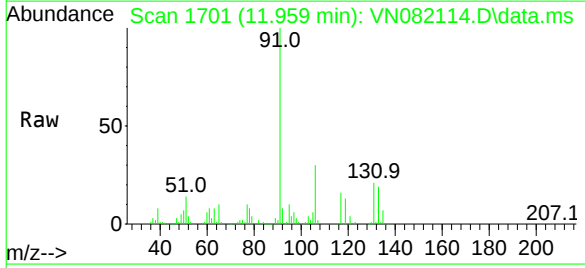
Tgt Ion:	131	Resp:	77988
Ion Ratio	Lower	Upper	
131	100		
133	92.2	0.0	188.0
119	68.1	0.0	122.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#66

Ethyl Benzene

Concen: 18.782 ug/l

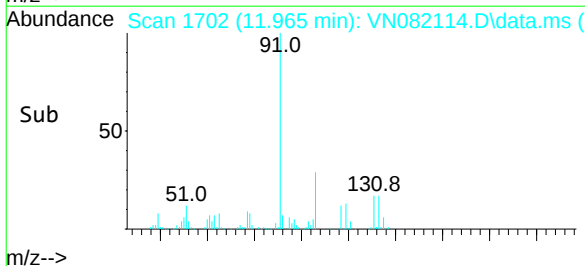
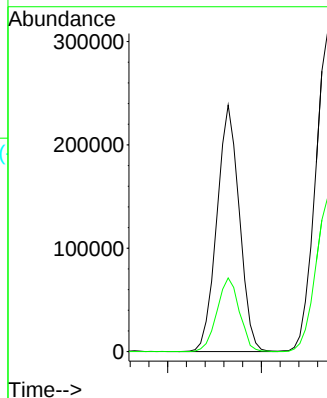
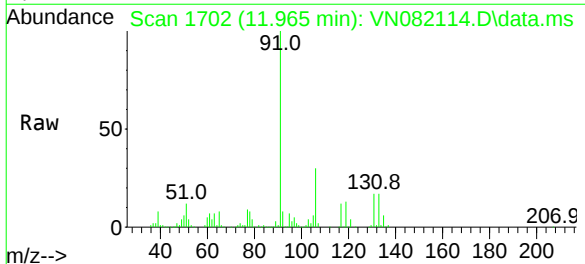
RT: 11.965 min Scan# 1702

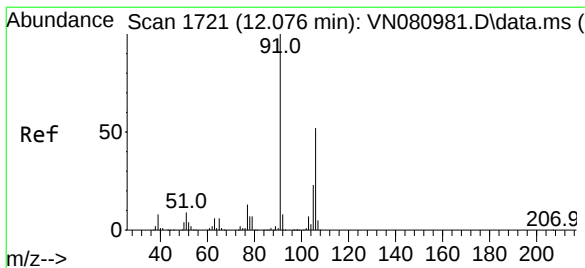
Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	91	Resp:	397348
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.4	36.6





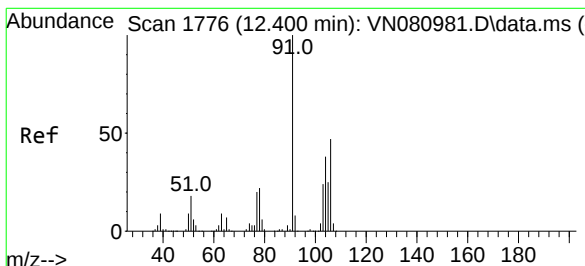
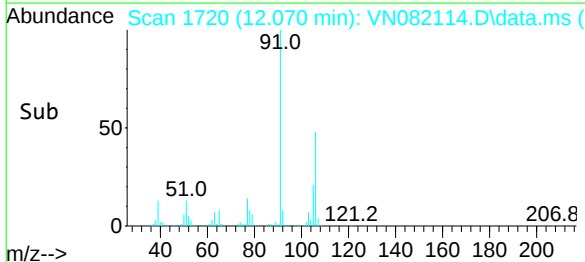
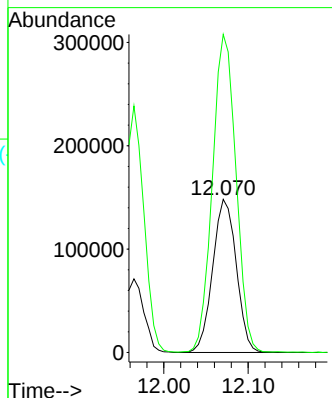
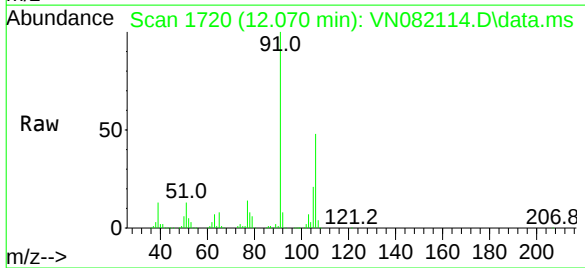
#67
m/p-Xylenes
Concen: 36.766 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 288386
Ion Ratio Lower Upper
106 100
91 207.3 166.6 249.8

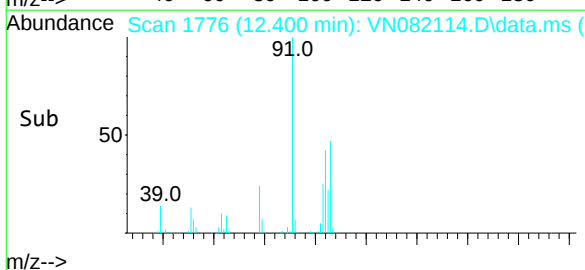
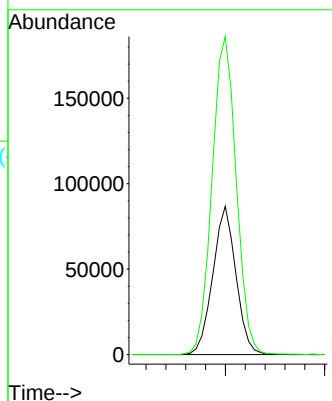
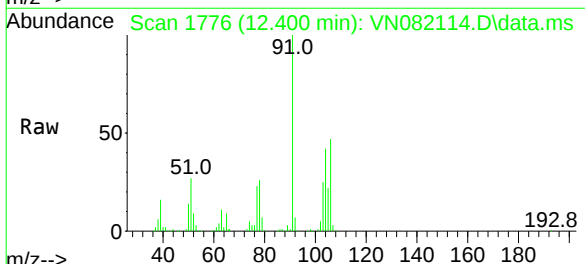
Manual Integrations
APPROVED

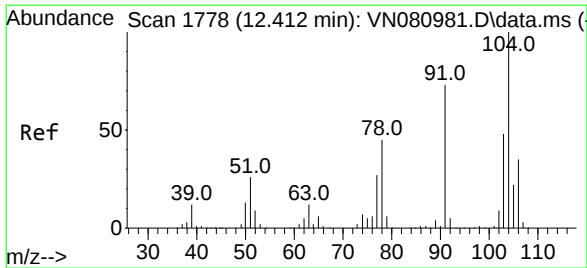
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#68
o-Xylene
Concen: 18.075 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion:106 Resp: 140272
Ion Ratio Lower Upper
106 100
91 224.8 110.0 330.0





#69

Styrene

Concen: 18.407 ug/l

RT: 12.412 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

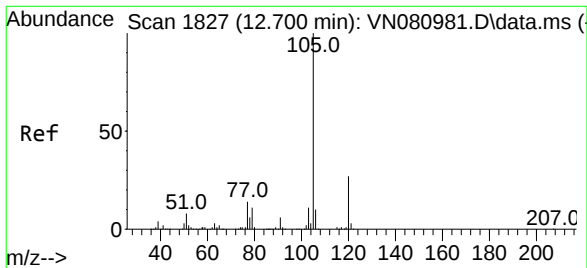
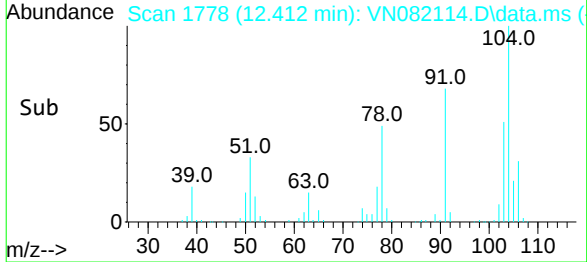
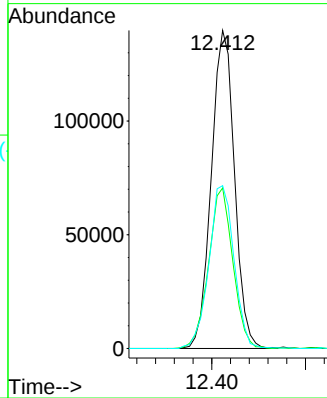
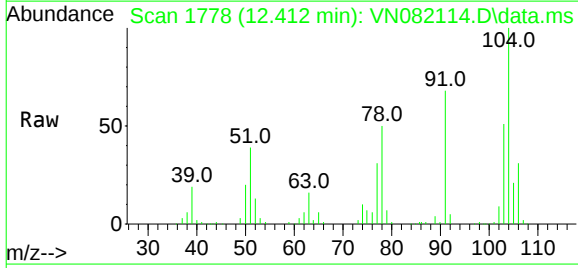
Tgt Ion:	104	Resp:	239797
Ion Ratio	Lower	Upper	
104	100		
78	52.9	42.6	64.0
103	55.4	43.7	65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#70

Isopropylbenzene

Concen: 18.943 ug/l

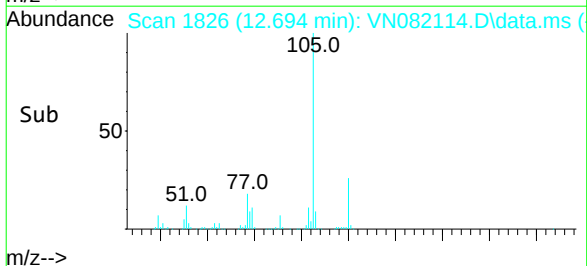
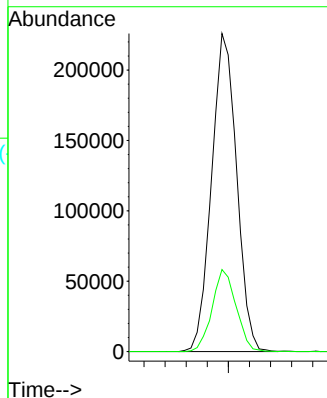
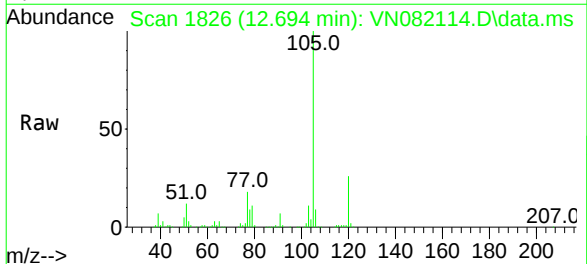
RT: 12.694 min Scan# 1826

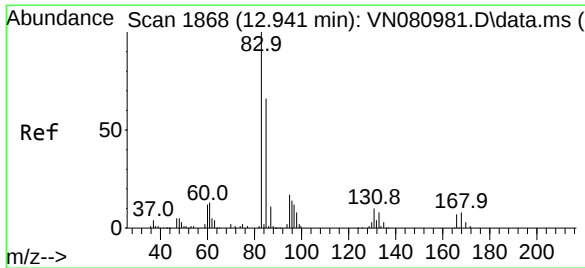
Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	105	Resp:	373352
Ion Ratio	Lower	Upper	
105	100		
120	24.6	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 19.575 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

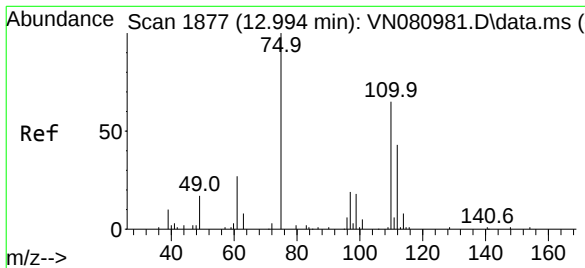
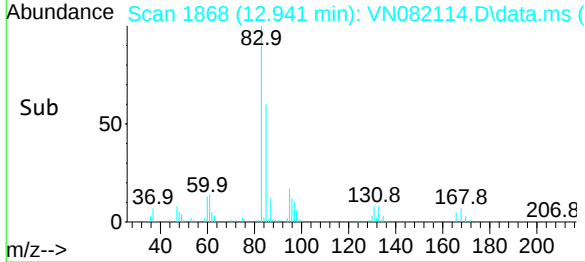
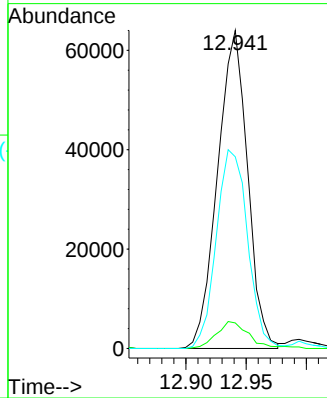
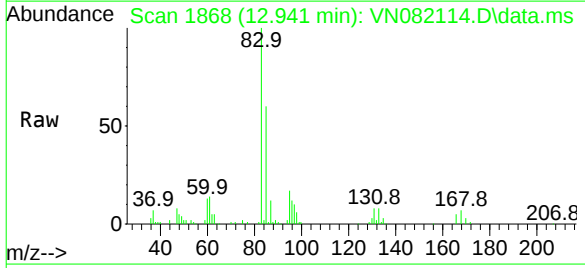
Tgt Ion:	83	Resp:	111026
Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.2	15.6
85	65.1	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#72

1,2,3-Trichloropropane

Concen: 19.069 ug/l m

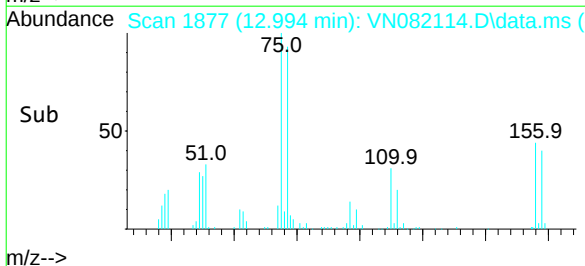
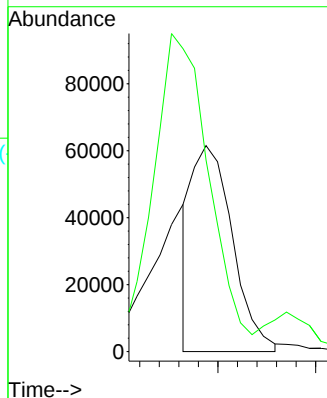
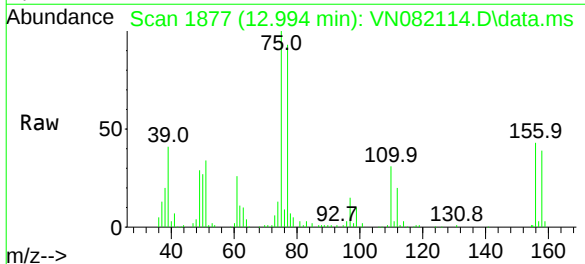
RT: 12.994 min Scan# 1877

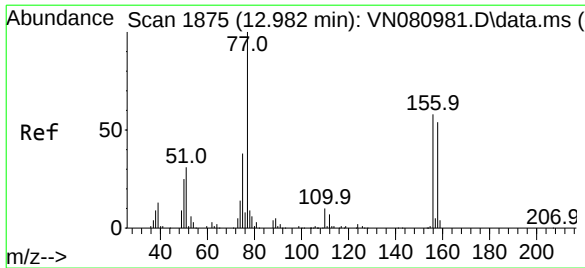
Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	75	Resp:	88503
Ion	Ratio	Lower	Upper
75	100		
77	214.1	0.0	367.6





#73

Bromobenzene

Concen: 19.549 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

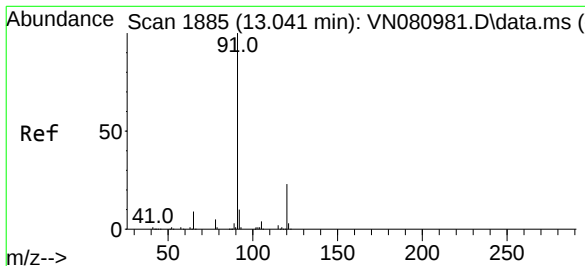
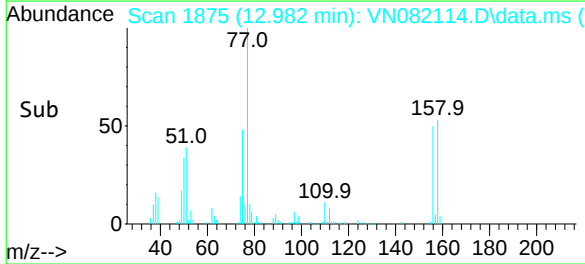
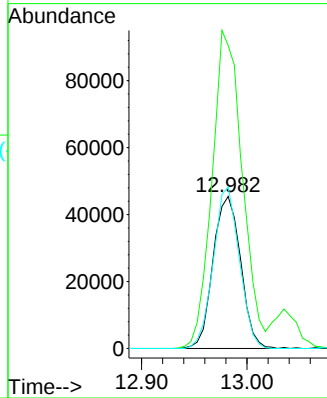
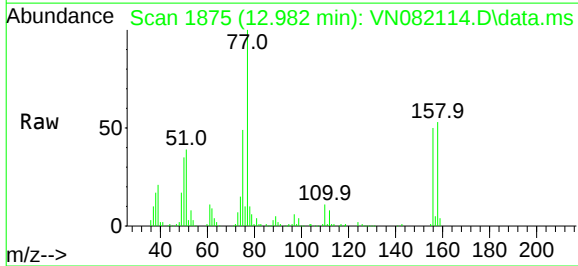
Tgt Ion:	156	Resp:	82478
Ion Ratio	Lower	Upper	
156	100		
77	229.8	0.0	437.6
158	100.4	0.0	203.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#74

n-propylbenzene

Concen: 18.932 ug/l

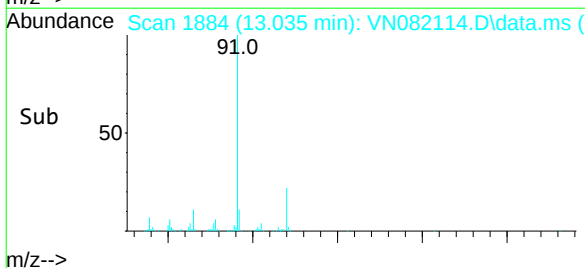
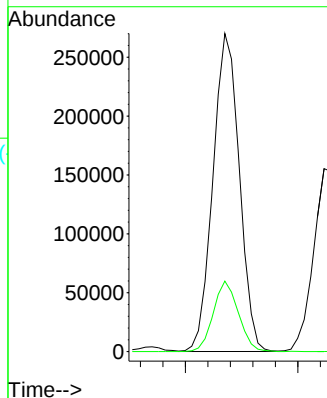
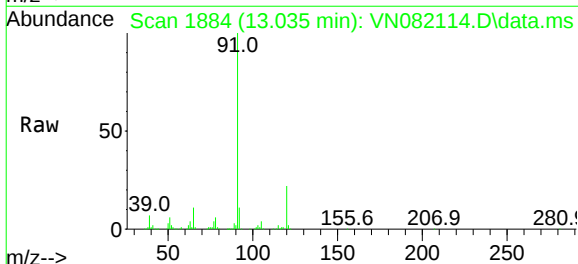
RT: 13.035 min Scan# 1884

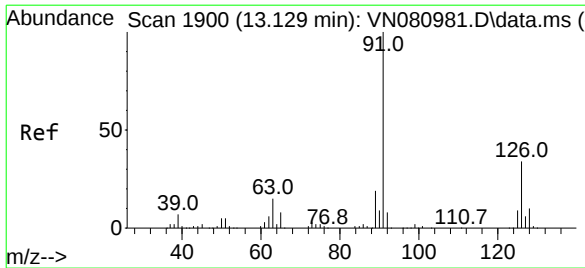
Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	91	Resp:	440551
Ion Ratio	Lower	Upper	
91	100		
120	21.0	0.0	43.8





#75

2-Chlorotoluene

Concen: 18.431 ug/l

RT: 13.123 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 265137

Ion Ratio Lower Upper

91 100

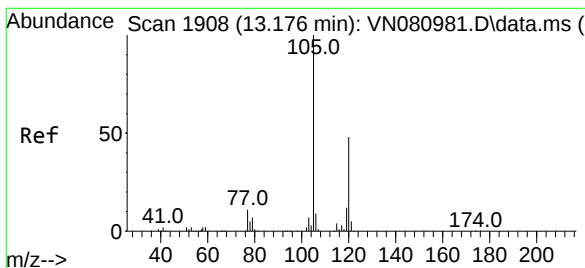
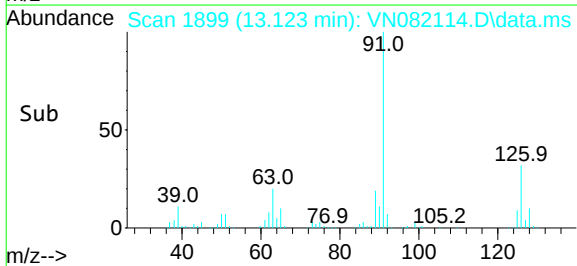
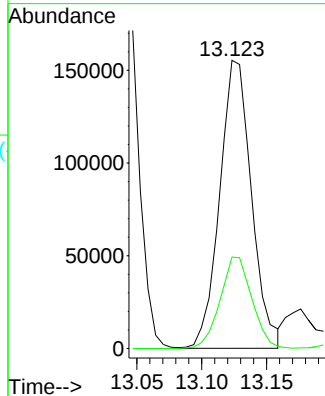
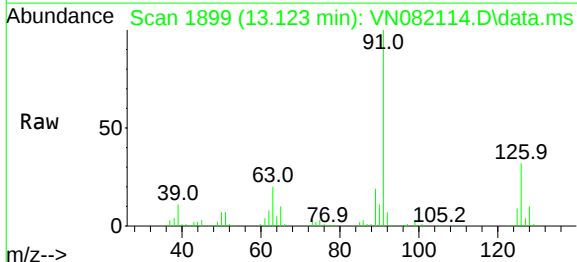
126 31.7 0.0 61.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#76

1,3,5-Trimethylbenzene

Concen: 18.713 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VN082114.D

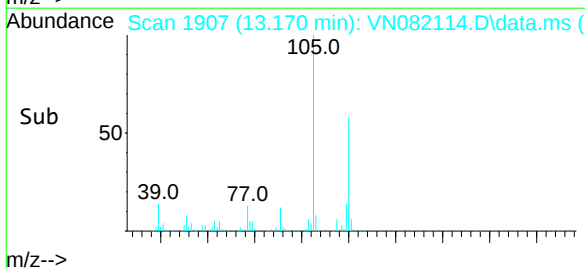
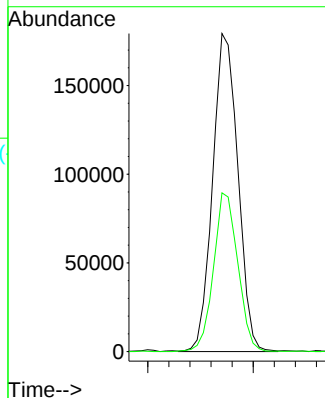
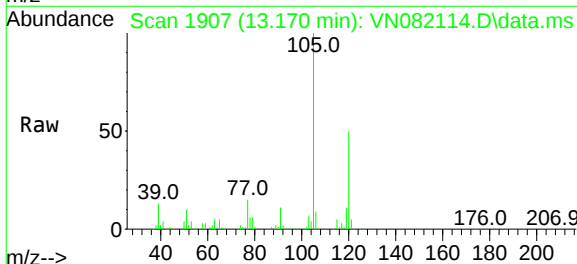
Acq: 14 May 2024 13:28

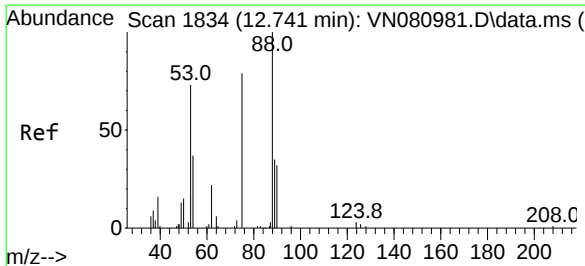
Tgt Ion:105 Resp: 298536

Ion Ratio Lower Upper

105 100

120 48.0 0.0 95.8





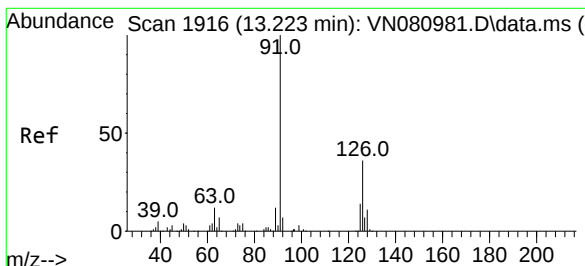
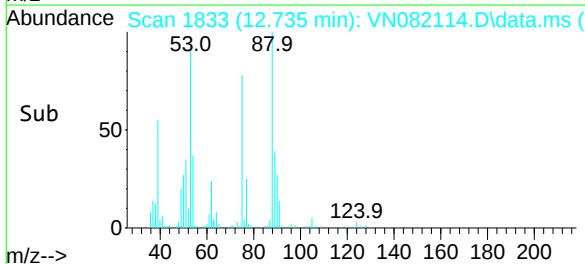
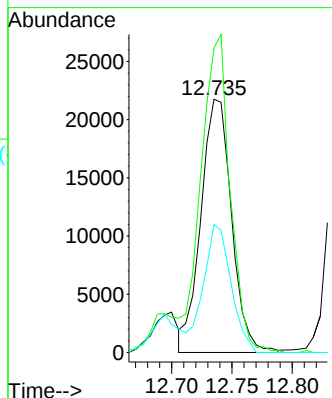
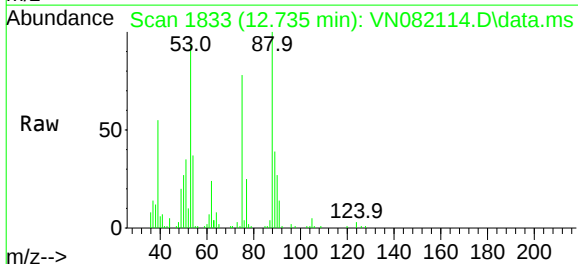
#77
t-1,4-Dichloro-2-butene
Concen: 16.324 ug/l
RT: 12.735 min Scan# 1834
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 38546
Ion Ratio Lower Upper
75 100
53 120.4 45.9 137.7
89 50.9 25.9 77.7

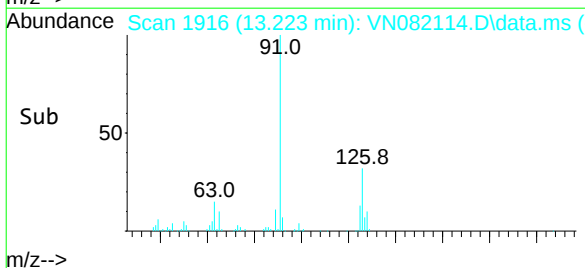
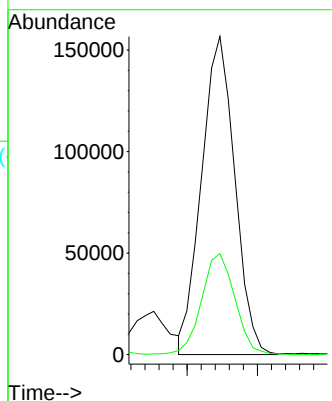
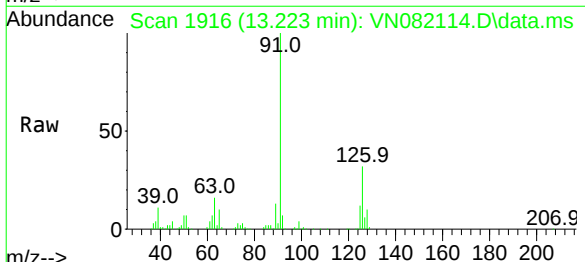
Manual Integrations
APPROVED

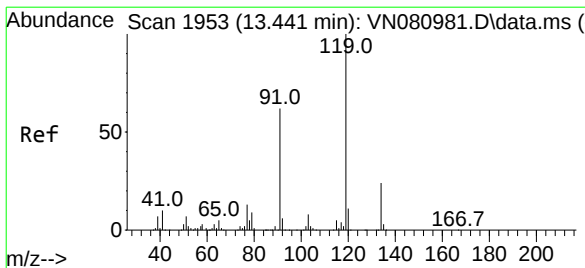
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#78
4-Chlorotoluene
Concen: 18.280 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion: 91 Resp: 257618
Ion Ratio Lower Upper
91 100
126 31.9 0.0 62.8





#79

tert-butylbenzene

Concen: 18.535 ug/l

RT: 13.441 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

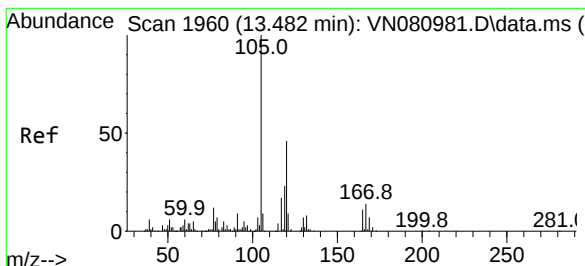
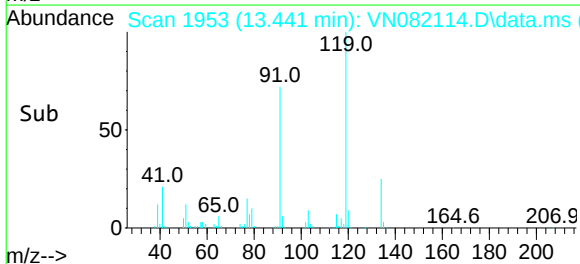
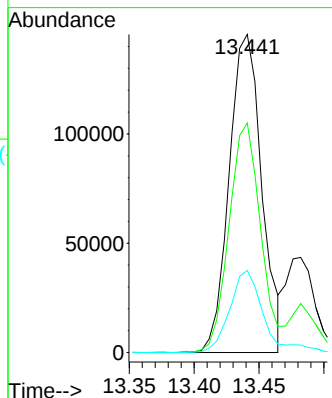
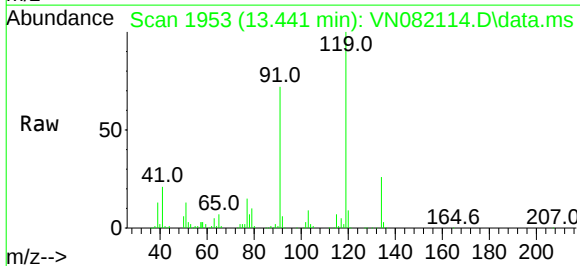
Tgt Ion:	119	Resp:	254602
Ion	Ratio	Lower	Upper
119	100		
91	69.0	0.0	138.8
134	25.0	0.0	48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#80

1,2,4-Trimethylbenzene

Concen: 18.914 ug/l

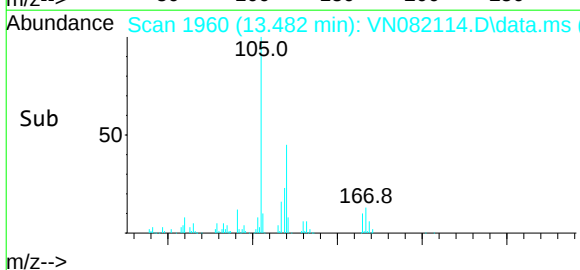
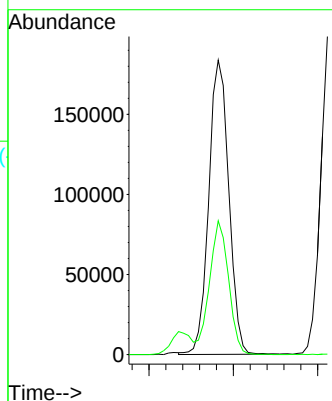
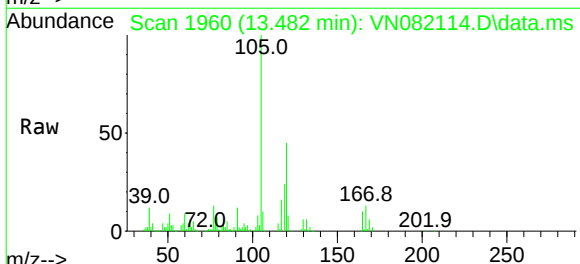
RT: 13.482 min Scan# 1960

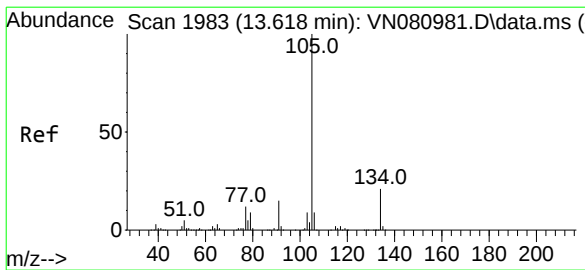
Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	105	Resp:	303096
Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	86.8





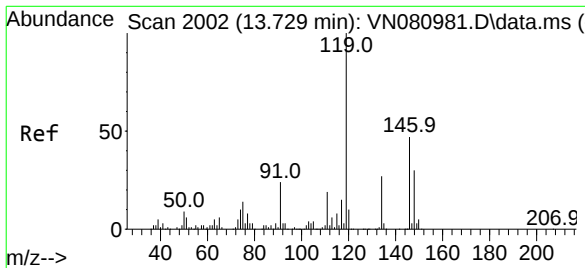
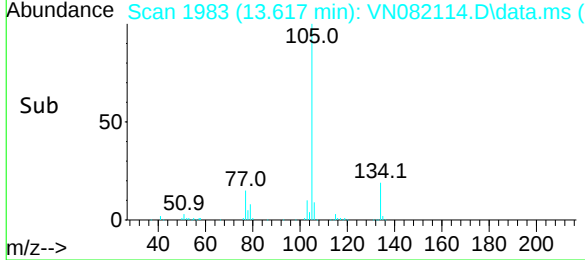
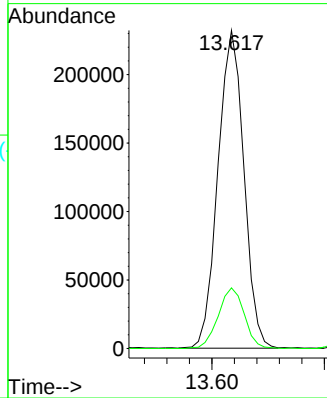
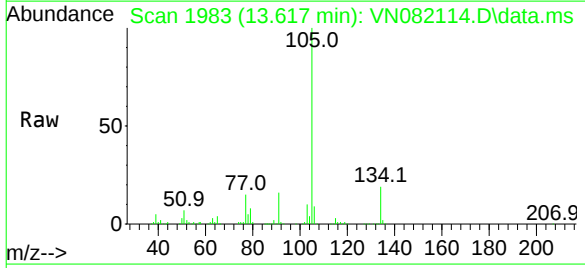
#81
sec-Butylbenzene
Concen: 19.279 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 371208
Ion Ratio Lower Upper
105 100
134 19.1 0.0 39.0

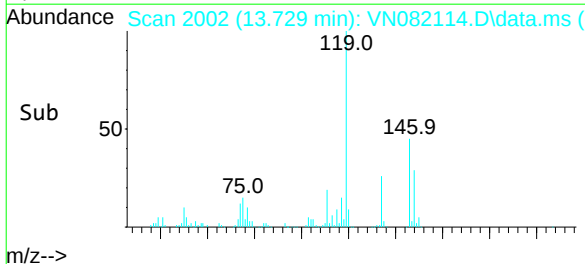
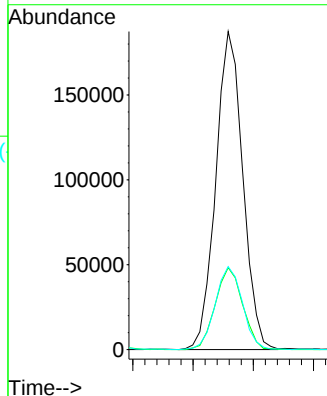
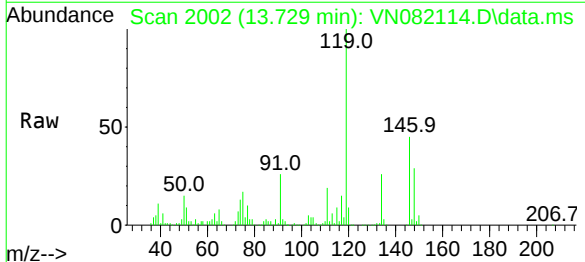
Manual Integrations
APPROVED

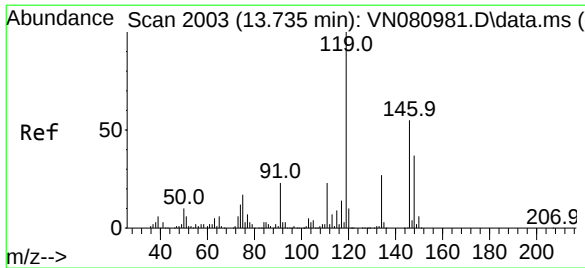
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#82
p-Isopropyltoluene
Concen: 19.195 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion:119 Resp: 292263
Ion Ratio Lower Upper
119 100
134 26.0 0.0 49.2
91 26.2 0.0 48.8





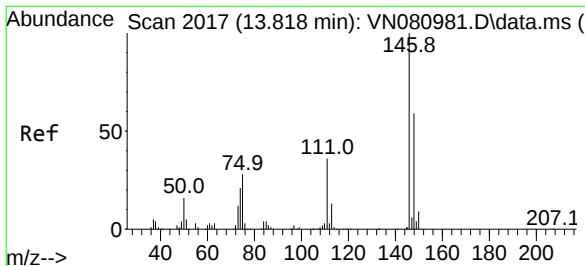
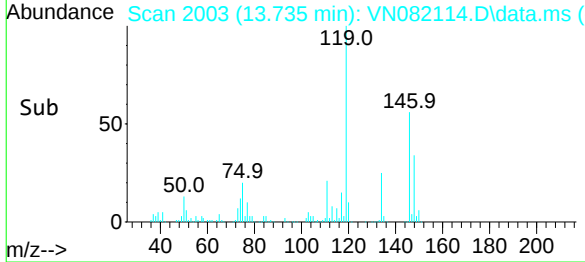
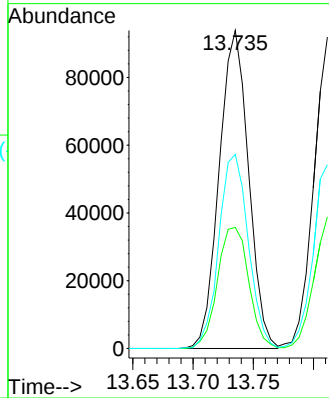
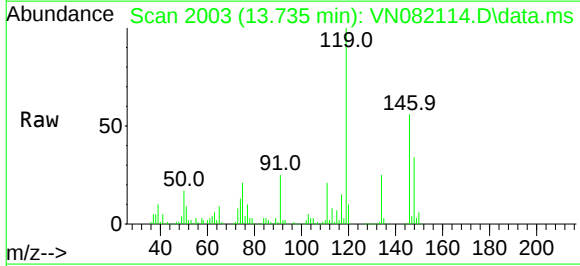
#83
1,3-Dichlorobenzene
Concen: 20.958 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 159219
Ion Ratio Lower Upper
146 100
111 40.5 22.4 67.0
148 60.8 32.1 96.5

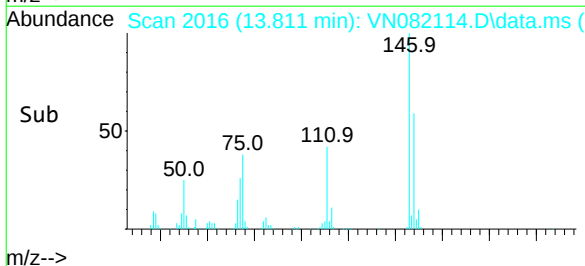
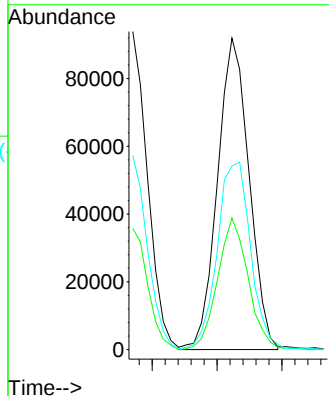
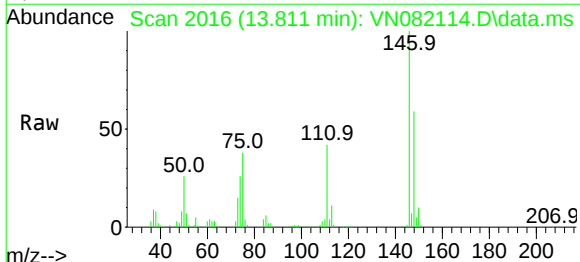
Manual Integrations
APPROVED

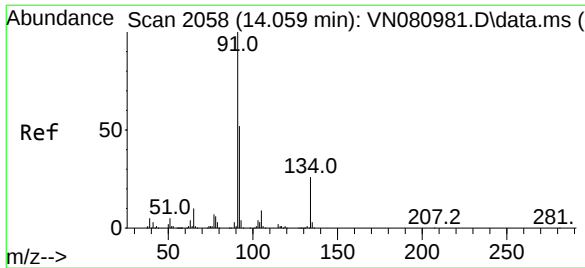
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#84
1,4-Dichlorobenzene
Concen: 20.380 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion:146 Resp: 155623
Ion Ratio Lower Upper
146 100
111 40.8 21.3 63.9
148 63.4 31.9 95.5





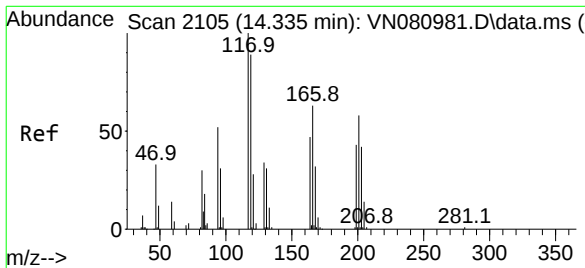
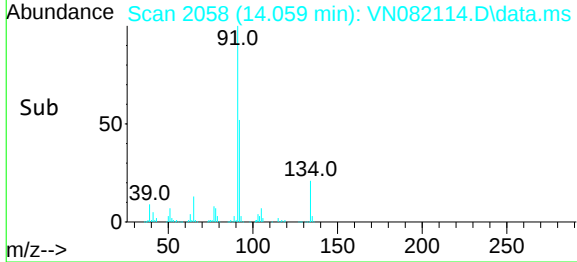
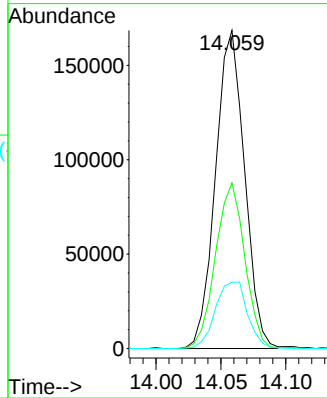
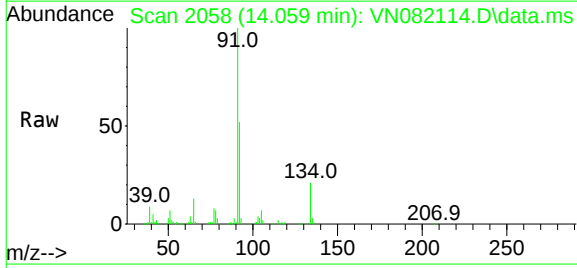
#85
n-Butylbenzene
Concen: 18.858 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	105.0
134	23.2	0.0	51.8

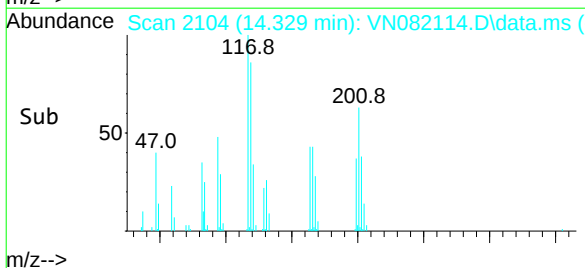
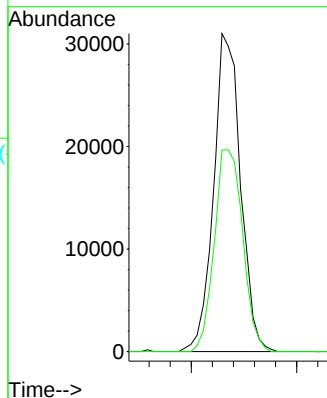
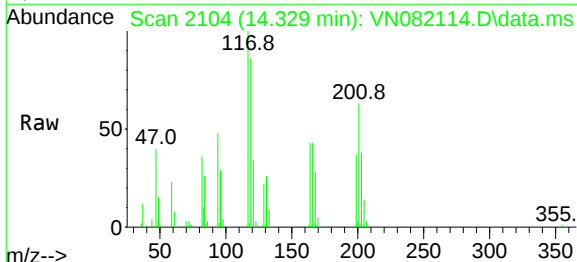
Manual Integrations
APPROVED

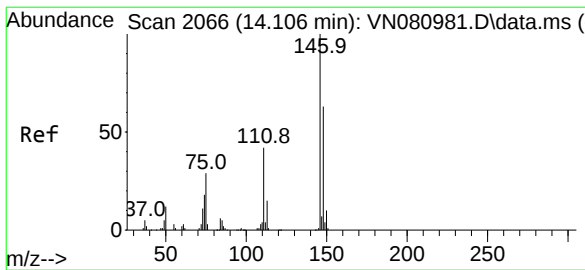
Reviewed By :John Carlone 05/15/2024
Supervised By :Mahesh Dadoda 05/15/2024



#86
Hexachloroethane
Concen: 18.089 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN082114.D
Acq: 14 May 2024 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.0	38.0	114.0





#87

1,2-Dichlorobenzene

Concen: 20.183 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

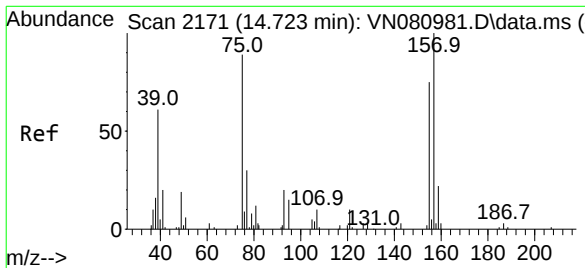
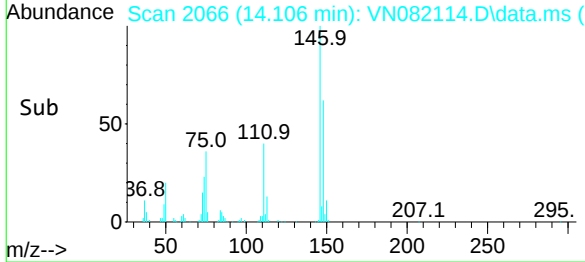
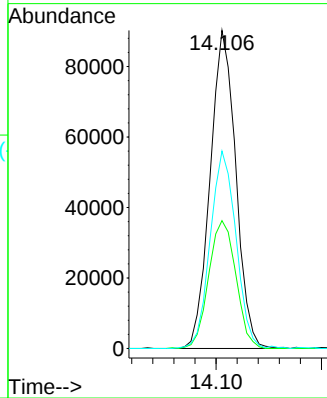
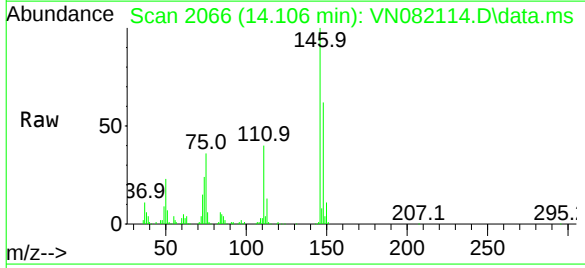
Tgt Ion:	146	Resp:	152712
Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.6	67.8
148	62.3	31.3	93.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.570 ug/l

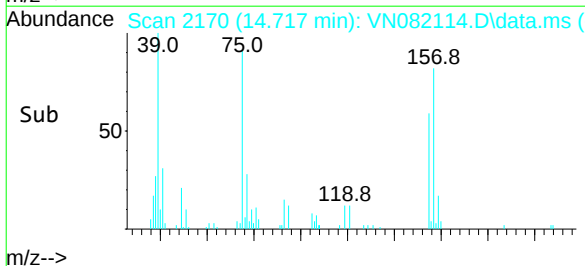
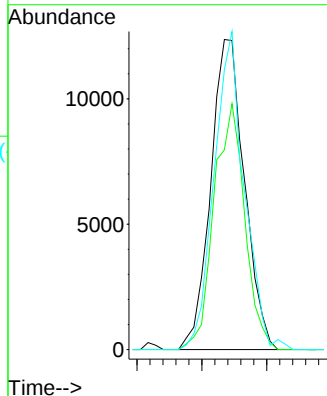
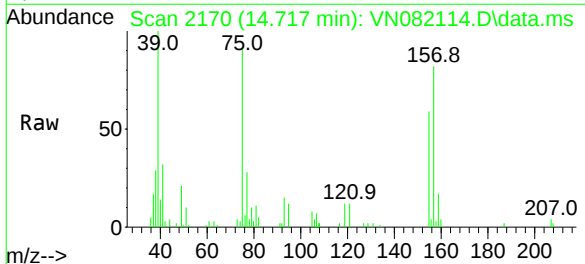
RT: 14.717 min Scan# 2170

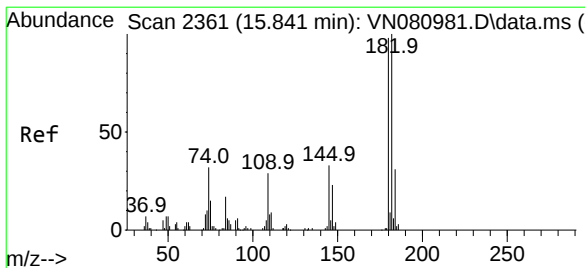
Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	75	Resp:	22363
Ion	Ratio	Lower	Upper
75	100		
155	72.0	61.7	92.5
157	90.8	83.6	125.4





#89

1,2,4-Trichlorobenzene

Concen: 20.204 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

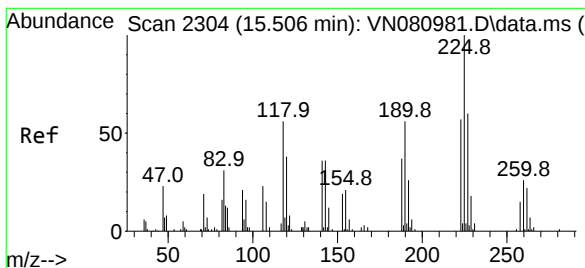
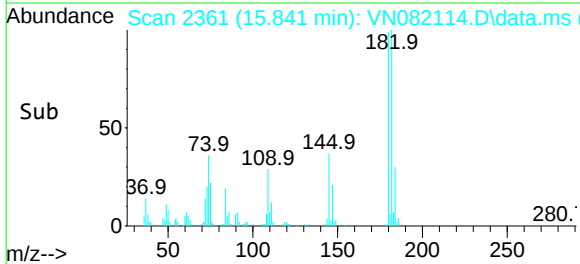
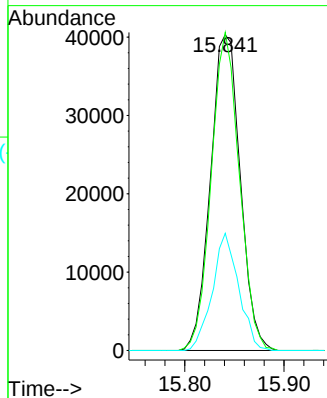
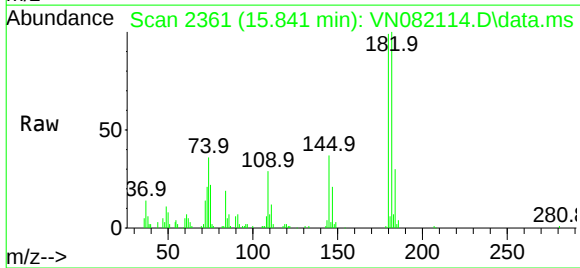
Tgt Ion:	180	Resp:	84178
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.4	114.6
145	32.8	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#90

Hexachlorobutadiene

Concen: 21.844 ug/l

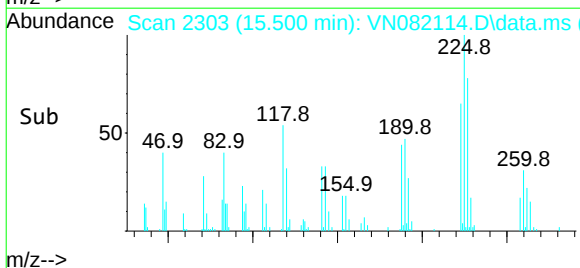
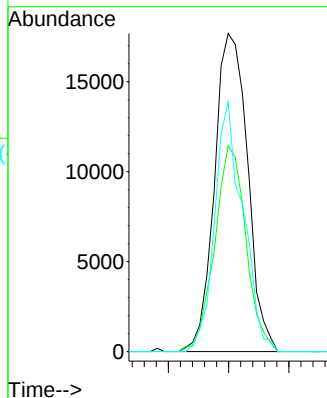
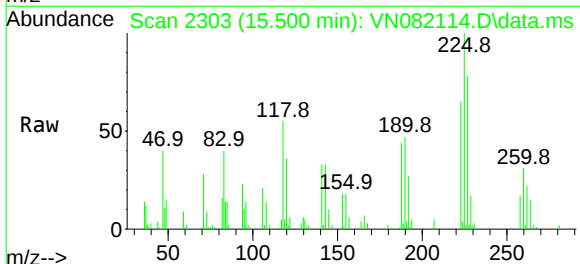
RT: 15.500 min Scan# 2303

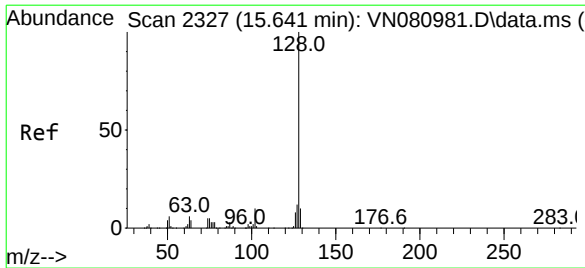
Delta R.T. -0.006 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	225	Resp:	33707
Ion Ratio	Lower	Upper	
225	100		
223	61.2	0.0	126.6
227	67.4	0.0	126.6





#91

Naphthalene

Concen: 16.844 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

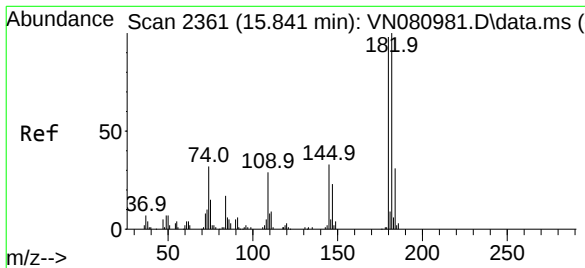
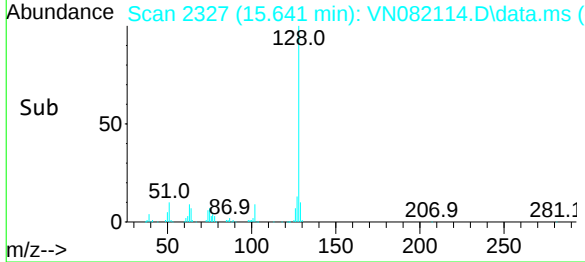
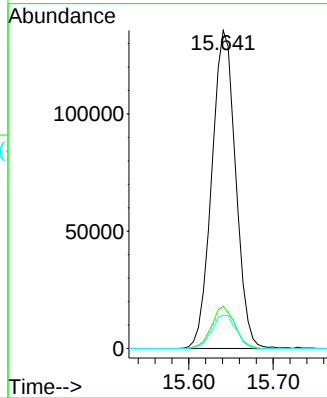
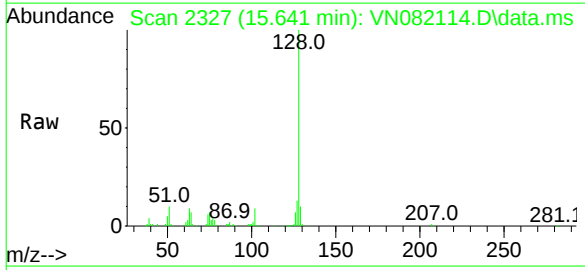
Tgt Ion:	128	Resp:	266771
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2024

Supervised By :Mahesh Dadoda 05/15/2024



#92

1,2,3-Trichlorobenzene

Concen: 20.204 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082114.D

Acq: 14 May 2024 13:28

Tgt Ion:	180	Resp:	84178
Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	191.0
145	32.8	0.0	71.0

