

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020923\
 Data File : VN076594.D
 Acq On : 09 Feb 2023 17:50
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2023
 Supervised By : Semsettin Yesilyurt 02/10/2023

Quant Time: Feb 10 05:13:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:08:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.822	128	28281	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	201001	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	213891	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.580	65	99436	29.832	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.433%		
60) 4-Bromofluorobenzene	12.851	95	135945	28.153	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.833%		
63) Toluene-d8	10.569	98	239351	30.476	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.140	85	82531	21.084	ug/l	100
3) Chloromethane	2.375	50	84680	17.992	ug/l	96
4) Vinyl Chloride	2.528	62	71798	17.471	ug/l	99
5) Bromomethane	2.969	94	35498	17.206	ug/l	93
6) Chloroethane	3.128	64	39852	18.721	ug/l	97
7) Trichlorofluoromethane	3.510	101	137878	19.758	ug/l	98
8) Diethyl Ether	3.975	74	45007m	20.335	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.387	101	67038	19.957	ug/l	100
10) 1,1-Dichloroethene	4.357	96	65336	20.698	ug/l #	82
11) Methyl Iodide	4.604	142	92666	20.189	ug/l	83
12) Methyl Acetate	5.034	43	129701	19.580	ug/l #	90
13) Acrolein	4.193	56	86438	101.875	ug/l	99
14) Acrylonitrile	5.734	53	191931	98.895	ug/l	96
15) Acetone	4.434	58	56221	100.385	ug/l	83
16) Carbon Disulfide	4.728	76	175396	20.217	ug/l	100
17) Allyl chloride	5.040	41	121450	19.957	ug/l	90
18) Methylene Chloride	5.287	84	76763	20.550	ug/l #	86
19) trans-1,2-Dichloroethene	5.798	96	68303	21.054	ug/l	88
20) Diisopropyl ether	6.686	45	268960	19.362	ug/l	92
21) 1,1-Dichloroethane	6.586	63	145621	19.224	ug/l	99
22) cis-1,2-Dichloroethene	7.498	96	79579	20.480	ug/l	92
23) tert-Butyl Alcohol	5.528	59	67776	104.071	ug/l #	100
24) Methyl tert-Butyl Ether	5.810	73	238543	20.975	ug/l	94
25) Chloroform	7.975	83	147590	19.690	ug/l	94
26) Cyclohexane	8.263	56	127547	18.975	ug/l #	95
29) 1,1-Dichloropropene	8.380	75	104697	20.123	ug/l	96
30) 2-Butanone	7.492	43	288581	102.759	ug/l	95
31) 2,2-Dichloropropane	7.492	77	112162	20.764	ug/l	94
32) 1,1,1-Trichloroethane	8.180	97	130140	20.161	ug/l	98
33) Carbon Tetrachloride	8.369	117	113356m	20.354	ug/l	
34) Benzene	8.610	78	309896	19.385	ug/l #	92
35) Methacrylonitrile	7.786	41	63177	19.565	ug/l	88
36) 1,2-Dichloroethane	8.675	62	124003	20.228	ug/l	97
37) Trichloroethene	9.357	130	68184	20.832	ug/l	81
38) Methylcyclohexane	9.604	83	124363	21.596	ug/l	92
39) 1,2-Dichloropropane	9.622	63	78409	20.553	ug/l	99
40) Dibromomethane	9.710	93	52695	20.996	ug/l	97
41) Bromodichloromethane	9.892	83	113622	21.531	ug/l #	96
42) Vinyl Acetate	6.616	43	887700m	97.235	ug/l	

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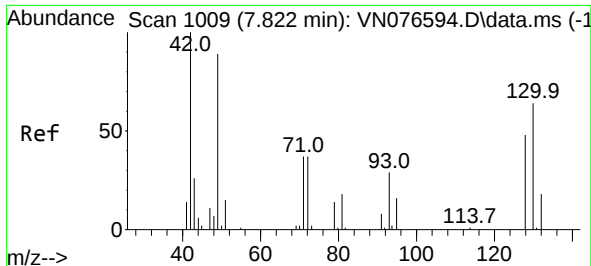
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	119515	20.873	ug/l	97
44) Isopropyl Acetate	8.692	43	183300	19.459	ug/l	99
45) 1,4-Dioxane	9.698	88	34293	446.597	ug/l	93
46) Methyl methacrylate	9.686	41	91729	20.197	ug/l	90
47) n-amyl Acetate	12.498	43	162046	20.239	ug/l	92
48) t-1,3-Dichloropropene	10.839	75	111959	21.077	ug/l	94
49) cis-1,3-Dichloropropene	10.316	75	123129	20.968	ug/l #	89
50) 1,1,2-Trichloroethane	11.016	97	71186	20.885	ug/l	96
51) Ethyl methacrylate	10.874	69	113529	20.977	ug/l	88
52) 1,3-Dichloropropane	11.163	76	132852	20.910	ug/l	99
53) Dibromochloromethane	11.363	129	75261	21.250	ug/l	98
54) 1,2-Dibromoethane	11.474	107	73522	21.317	ug/l	97
55) 2-Chloroethyl vinyl ether	10.163	63	251351	101.675	ug/l	100
56) Bromoform	12.580	173	46895	20.559	ug/l #	99
58) 4-Methyl-2-Pentanone	10.445	43	596714	99.797	ug/l	96
59) 2-Hexanone	11.198	43	436157	100.326	ug/l	94
61) Tetrachloroethene	11.110	164	57692	21.101	ug/l	95
62) Toluene	10.633	91	318585	20.090	ug/l	99
64) Chlorobenzene	11.892	112	189405	20.618	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.963	131	69221	19.876	ug/l	98
66) Ethyl Benzene	11.968	91	357140	20.543	ug/l	100
67) m/p-Xylenes	12.074	106	265540	40.709	ug/l	93
68) o-Xylene	12.404	106	133202	20.728	ug/l	95
69) Styrene	12.416	104	208492	20.440	ug/l	94
70) Isopropylbenzene	12.698	105	341779	19.847	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.939	83	110357	18.381	ug/l	98
72) 1,2,3-Trichloropropane	12.998	75	95748m	17.512	ug/l	
73) Bromobenzene	12.986	156	74255	18.172	ug/l	98
74) n-propylbenzene	13.039	91	408394	18.490	ug/l	99
75) 2-Chlorotoluene	13.127	91	256782	18.482	ug/l	95
76) 1,3,5-Trimethylbenzene	13.174	105	300092	18.661	ug/l	95
77) t-1,4-Dichloro-2-butene	12.733	75	30254	18.291	ug/l	81
78) 4-Chlorotoluene	13.221	91	249695	17.874	ug/l	94
79) tert-butylbenzene	13.439	119	258980	18.973	ug/l	91
80) 1,2,4-Trimethylbenzene	13.486	105	295276	18.618	ug/l	96
81) sec-Butylbenzene	13.621	105	353206	18.480	ug/l	99
82) p-Isopropyltoluene	13.733	119	290718	18.930	ug/l	96
83) 1,3-Dichlorobenzene	13.733	146	138960	18.385	ug/l	98
84) 1,4-Dichlorobenzene	13.815	146	132391	17.557	ug/l	97
85) n-Butylbenzene	14.057	91	240887	16.891	ug/l	99
86) Hexachloroethane	14.339	117	52010	17.442	ug/l	93
87) 1,2-Dichlorobenzene	14.110	146	138139	16.650	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.721	75	24567	20.073	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.392	180	68534	19.806	ug/l	97
90) Hexachlorobutadiene	15.504	225	33988	20.332	ug/l	98
91) Naphthalene	15.645	128	241619	20.466	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	69979	20.263	ug/l	99

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

Manual Integrations

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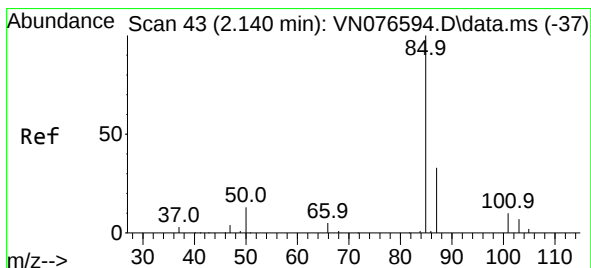
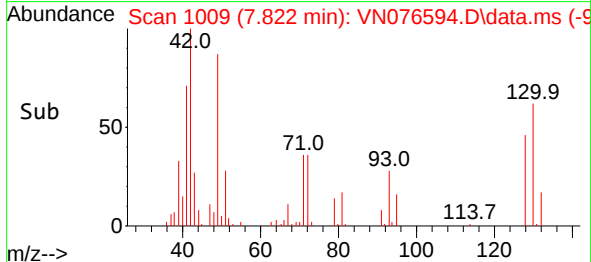
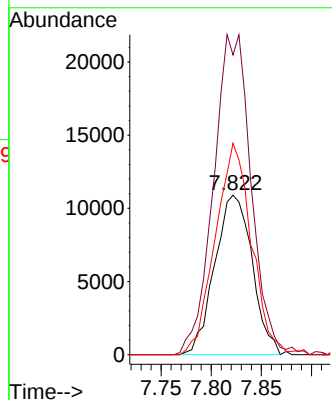
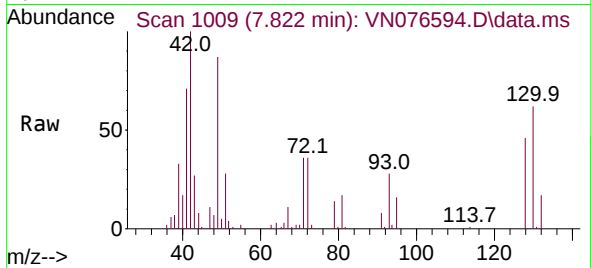
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.822 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
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VSTDICCC020

Tgt Ion:128 Resp: 2828
Ion Ratio Lower Upper
128 100
49 201.0 0.0 492.0
130 128.2 0.0 313.3

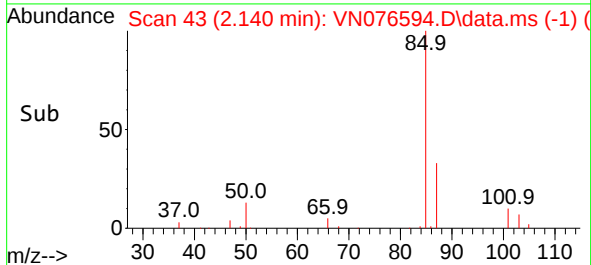
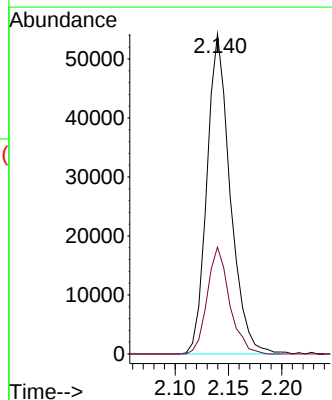
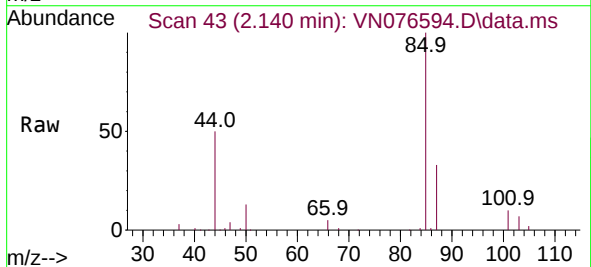
Manual Integrations
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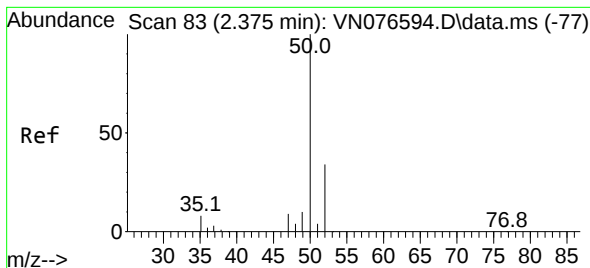
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#2
Dichlorodifluoromethane
Concen: 21.084 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 85 Resp: 82531
Ion Ratio Lower Upper
85 100
87 33.4 16.7 50.1





#3

Chloromethane

Concen: 17.992 ug/l

RT: 2.375 min Scan# 83

Delta R.T. -0.008 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 50 Resp: 84680

Ion Ratio Lower Upper

50 100

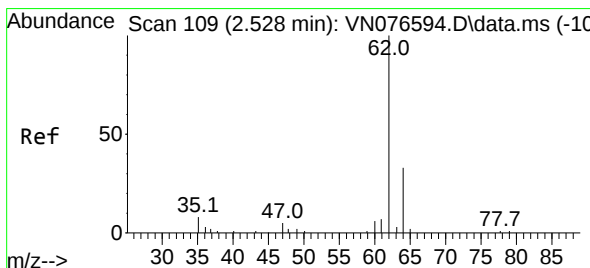
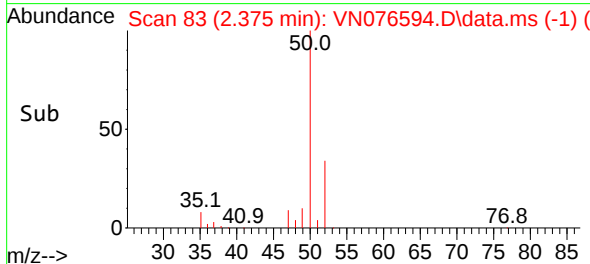
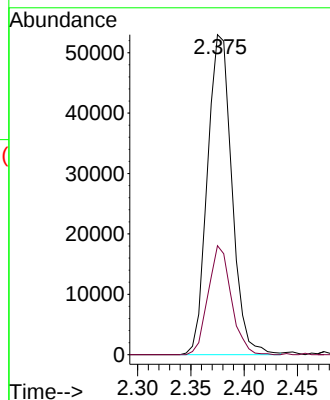
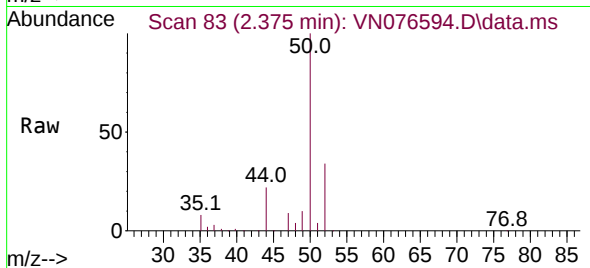
52 34.1 25.5 38.3

Manual Integrations

APPROVED

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Supervised By :Semsettin Yesilyurt 02/10/2023



#4

Vinyl Chloride

Concen: 17.471 ug/l

RT: 2.528 min Scan# 109

Delta R.T. -0.002 min

Lab File: VN076594.D

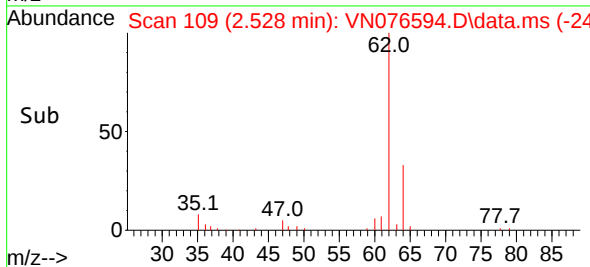
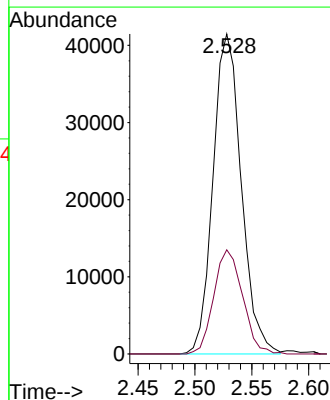
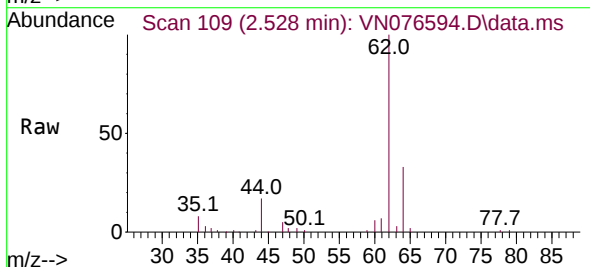
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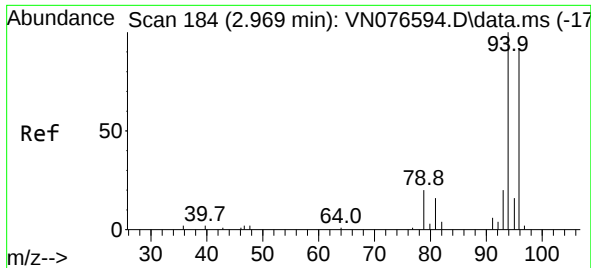
Tgt Ion: 62 Resp: 71798

Ion Ratio Lower Upper

62 100

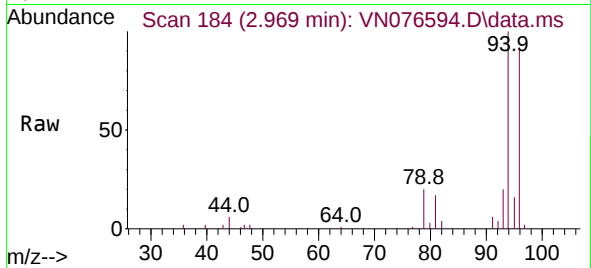
64 32.6 25.6 38.4





#5
Bromomethane
Concen: 17.206 ug/l
RT: 2.969 min Scan# 184
Delta R.T. 0.021 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

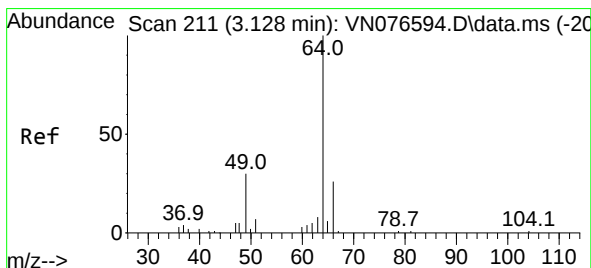
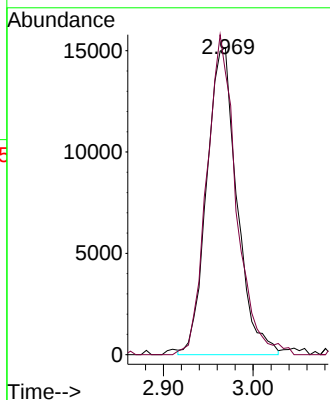
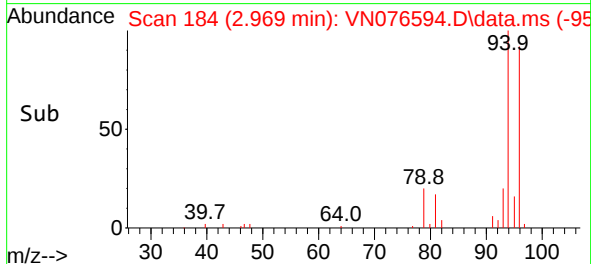
Instrument :
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Tgt Ion: 94 Resp: 35498
Ion Ratio Lower Upper
94 100
96 92.0 68.3 102.5

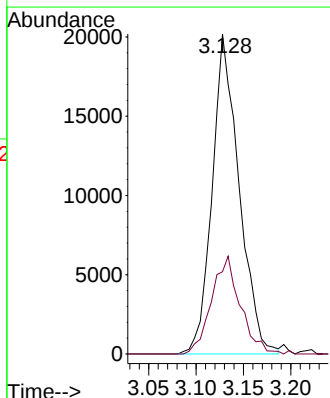
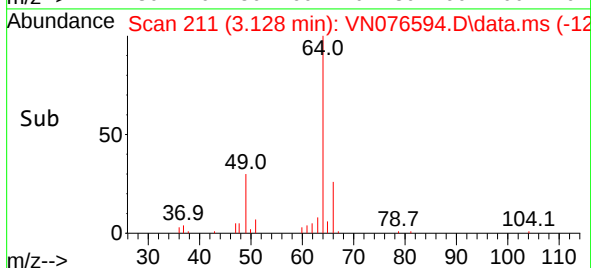
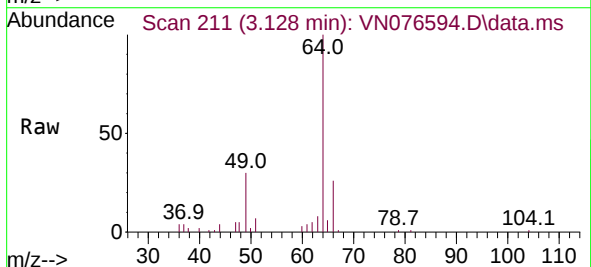
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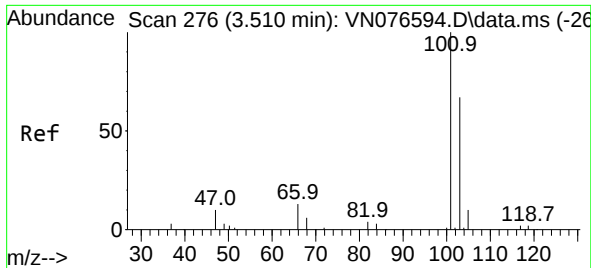
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#6
Chloroethane
Concen: 18.721 ug/l
RT: 3.128 min Scan# 211
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

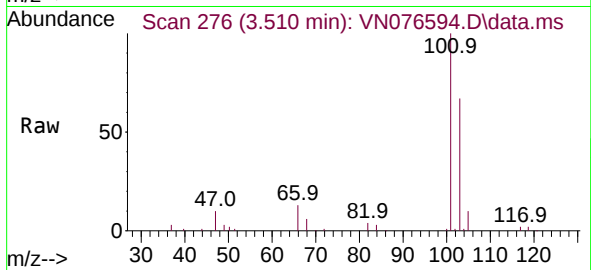
Tgt Ion: 64 Resp: 39852
Ion Ratio Lower Upper
64 100
66 25.7 21.8 32.8





#7
Trichlorofluoromethane
Concen: 19.758 ug/l
RT: 3.510 min Scan# 276
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

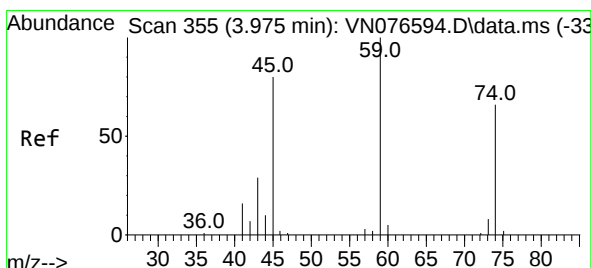
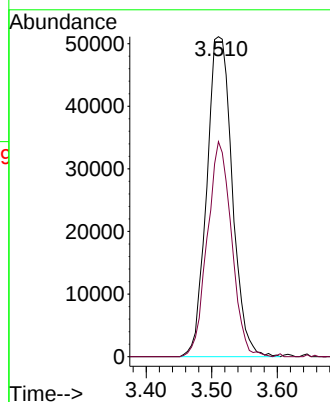
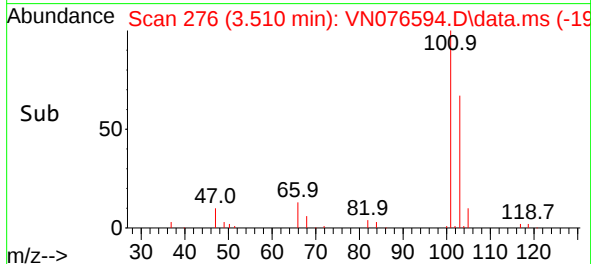
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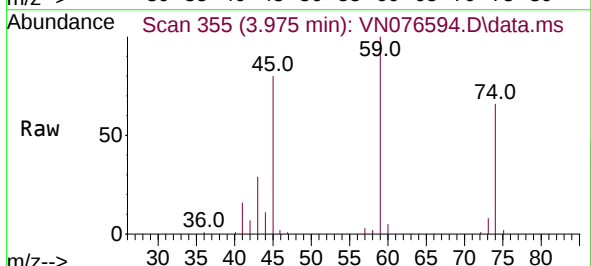
Tgt Ion:101 Resp: 137878
Ion Ratio Lower Upper
101 100
103 67.2 54.8 82.2

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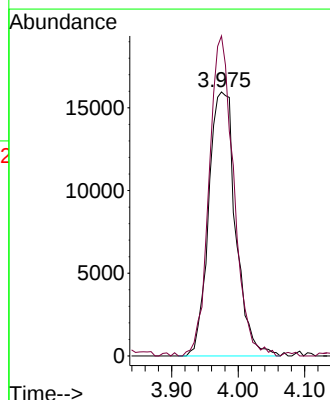
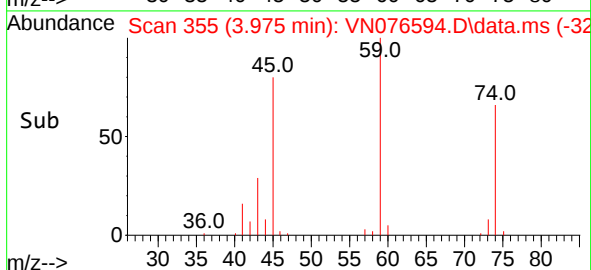
Reviewed By :John Carlone 02/10/2023
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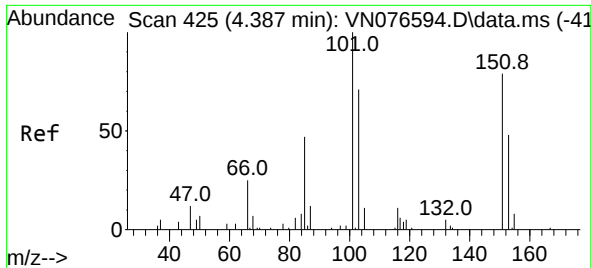


#8
Diethyl Ether
Concen: 20.335 ug/l m
RT: 3.975 min Scan# 355
Delta R.T. -0.014 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



Tgt Ion: 74 Resp: 45007
Ion Ratio Lower Upper
74 100
45 110.7 19.0 171.0





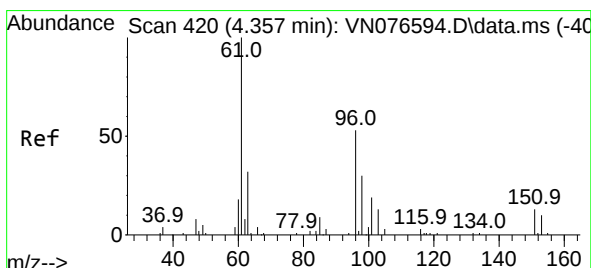
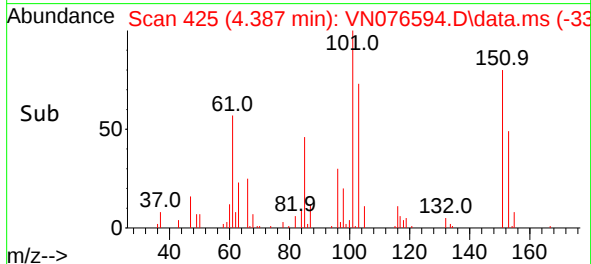
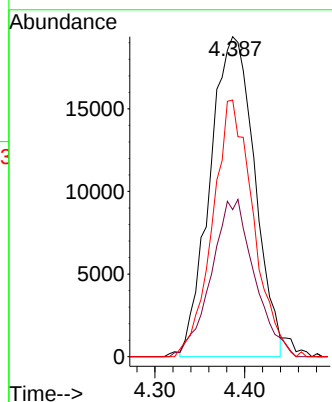
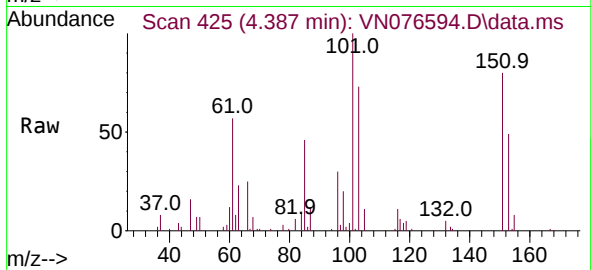
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.957 ug/l
RT: 4.387 min Scan# 41
Delta R.T. 0.004 min
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Tgt Ion:101 Resp: 67038
Ion Ratio Lower Upper
101 100
85 47.3 0.0 94.6
151 72.6 0.0 144.8

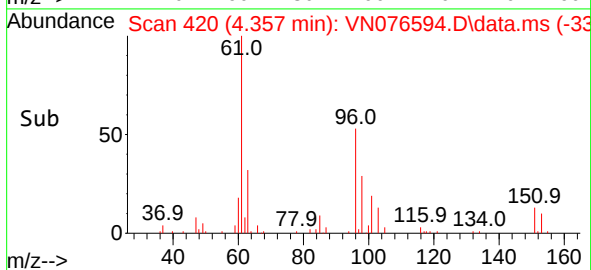
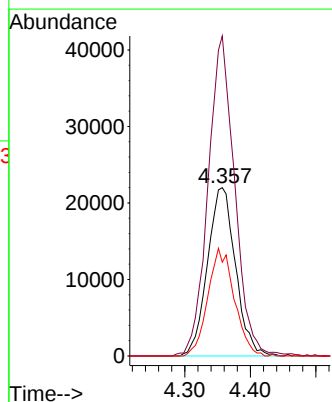
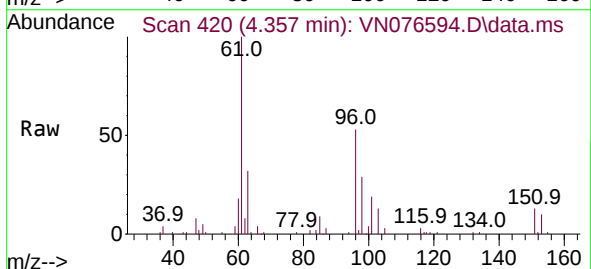
Manual Integrations
APPROVED

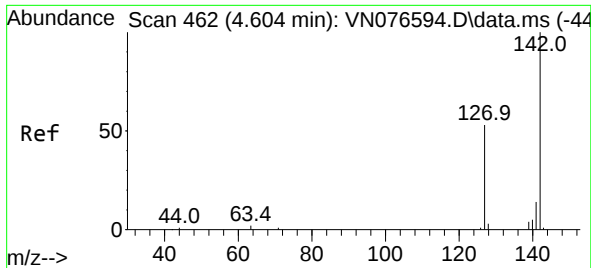
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#10
1,1-Dichloroethene
Concen: 20.698 ug/l
RT: 4.357 min Scan# 420
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

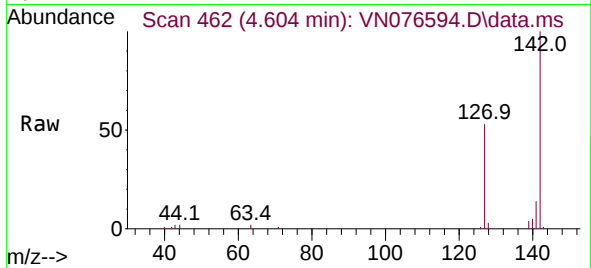
Tgt Ion: 96 Resp: 65336
Ion Ratio Lower Upper
96 100
61 188.5 125.5 188.3#
98 55.7 45.0 67.4





#11
Methyl Iodide
Concen: 20.189 ug/l
RT: 4.604 min Scan# 462
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

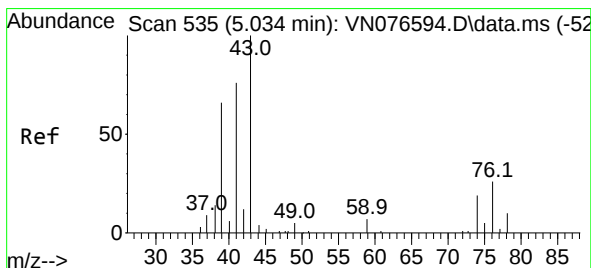
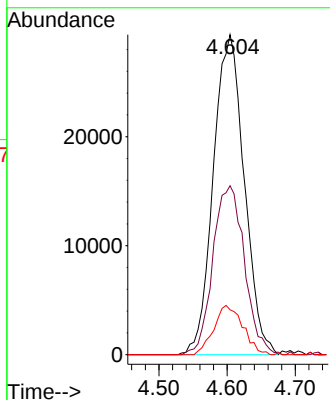
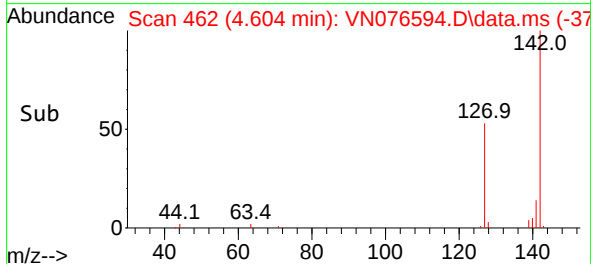
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 92660
Ion Ratio Lower Upper
142 100
127 52.4 19.3 57.8
141 13.8 7.7 23.1

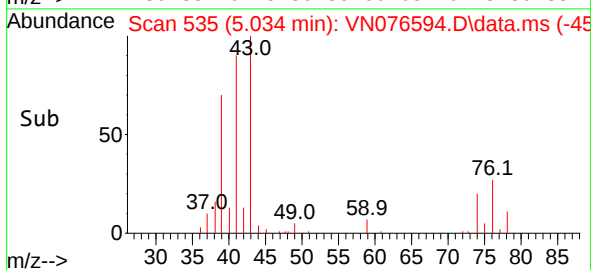
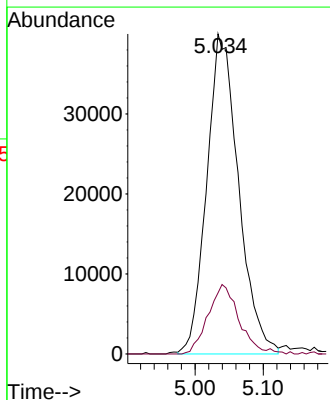
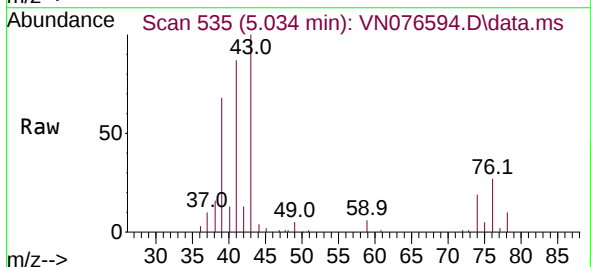
Manual Integrations
APPROVED

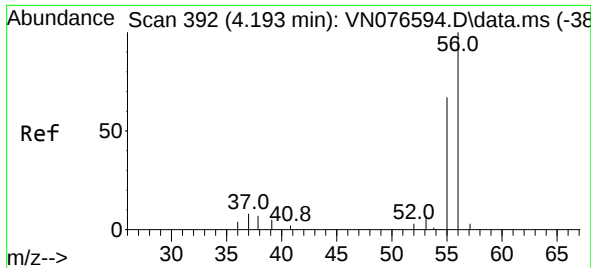
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#12
Methyl Acetate
Concen: 19.580 ug/l
RT: 5.034 min Scan# 535
Delta R.T. -0.014 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

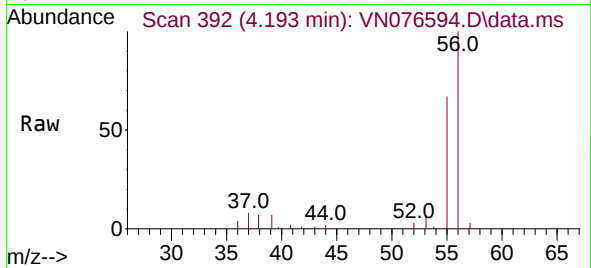
Tgt Ion: 43 Resp: 129701
Ion Ratio Lower Upper
43 100
74 19.0 19.0 28.6#





#13
Acrolein
Concen: 101.875 ug/l
RT: 4.193 min Scan# 392
Delta R.T. -0.013 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

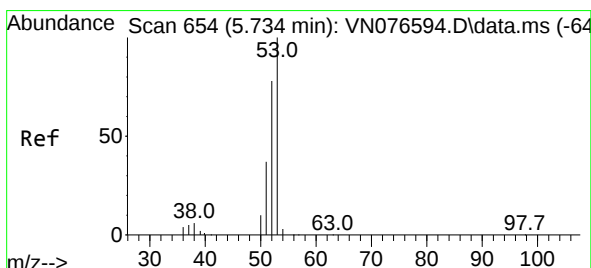
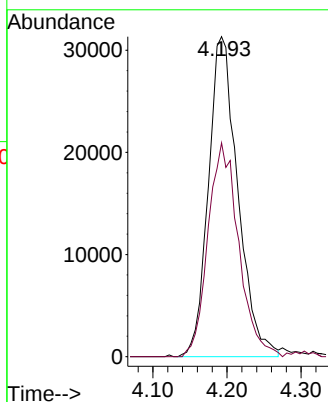
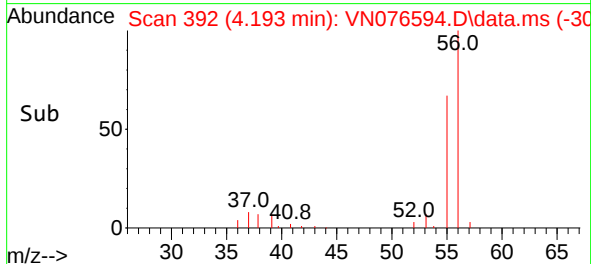
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



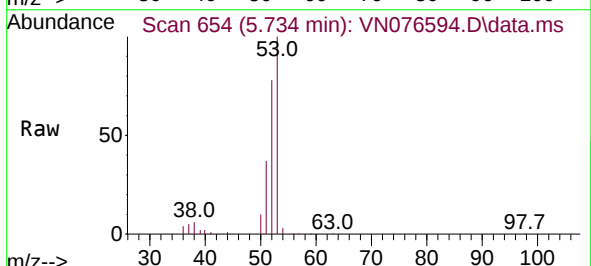
Tgt Ion: 56 Resp: 86438
Ion Ratio Lower Upper
56 100
55 69.4 56.2 84.2

Manual Integrations
APPROVED

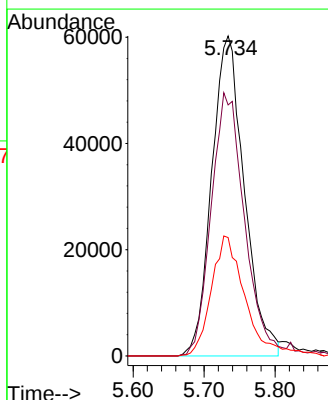
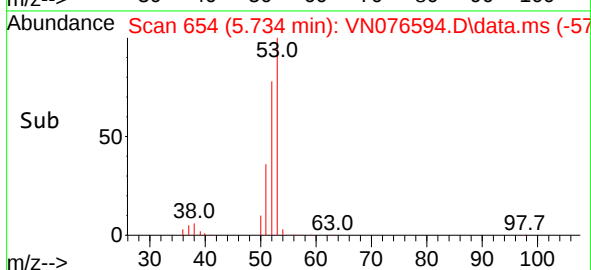
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

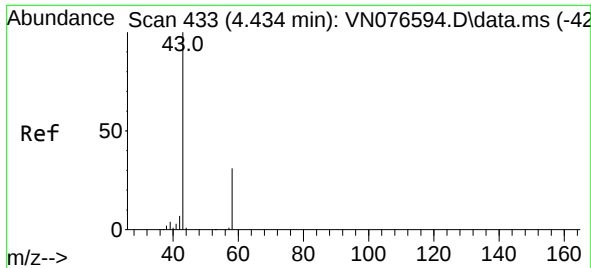


#14
Acrylonitrile
Concen: 98.895 ug/l
RT: 5.734 min Scan# 654
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



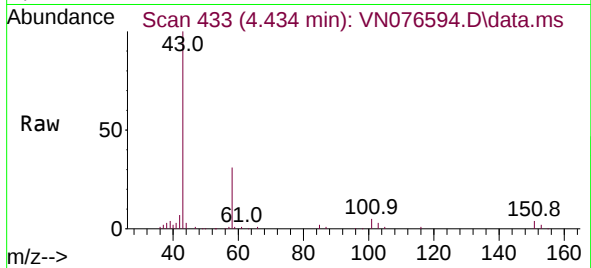
Tgt Ion: 53 Resp: 191931
Ion Ratio Lower Upper
53 100
52 84.0 40.8 122.4
51 38.4 17.0 51.0





#15
Acetone
Concen: 100.385 ug/l
RT: 4.434 min Scan# 41
Delta R.T. -0.019 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

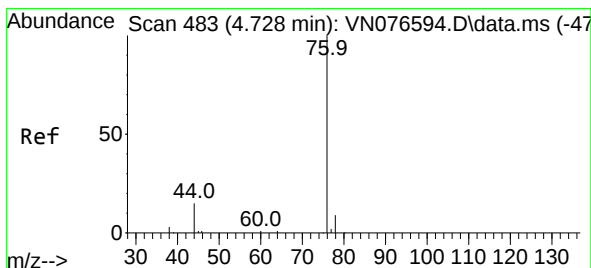
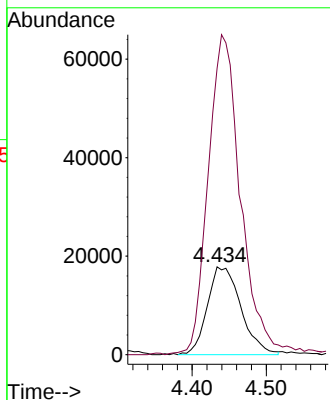
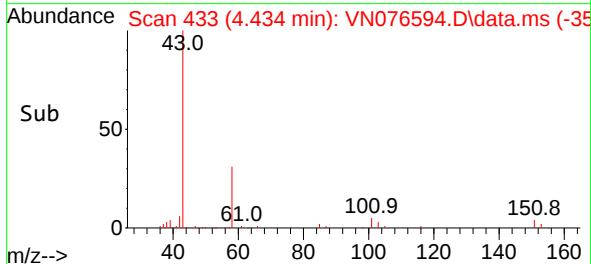
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



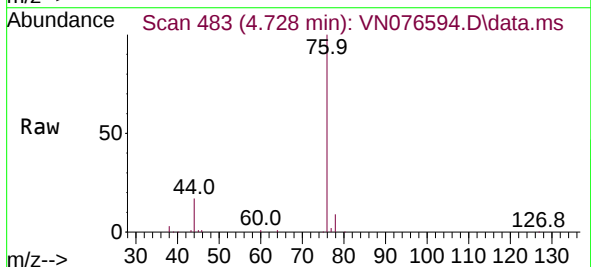
Tgt Ion: 58 Resp: 5622
Ion Ratio Lower Upper
58 100
43 323.4 232.2 348.4

Manual Integrations
APPROVED

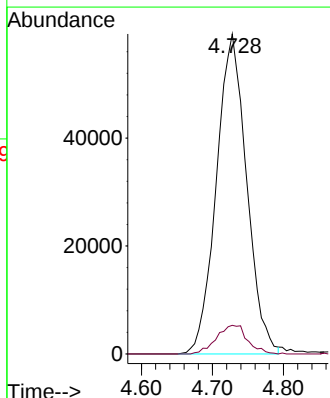
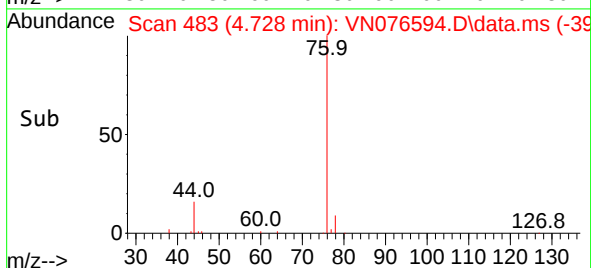
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

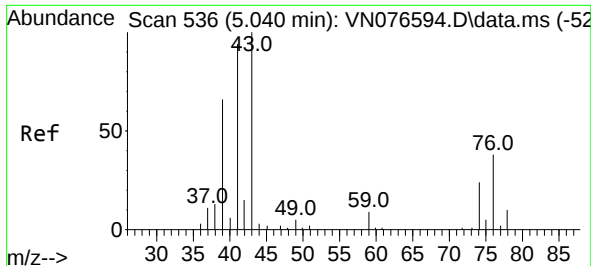


#16
Carbon Disulfide
Concen: 20.217 ug/l
RT: 4.728 min Scan# 483
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



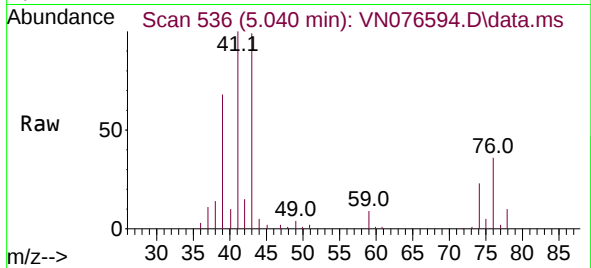
Tgt Ion: 76 Resp: 175396
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#17
 Allyl chloride
 Concen: 19.957 ug/l
 RT: 5.040 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN076594.D
 Acq: 09 Feb 2023 17:50

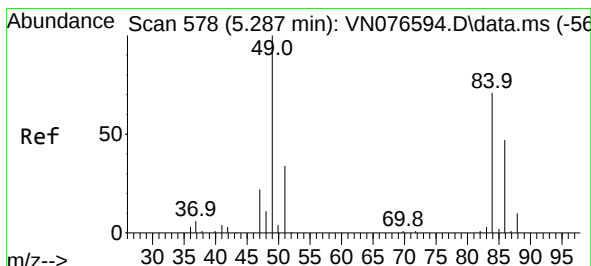
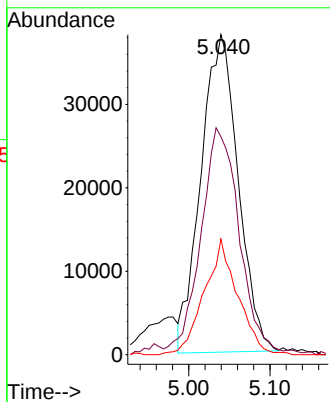
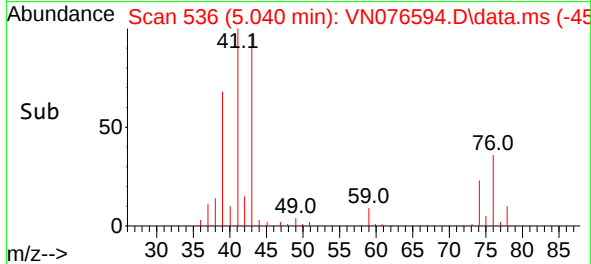
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDICCC020



Tgt Ion: 41 Resp: 121450
 Ion Ratio Lower Upper
 41 100
 39 67.3 39.1 117.5
 76 35.9 19.8 59.4

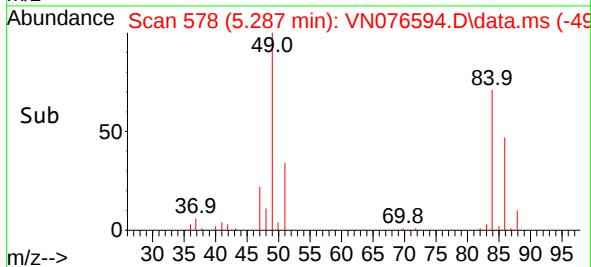
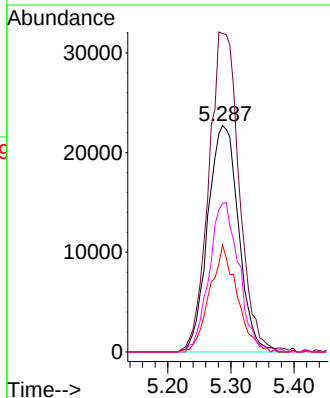
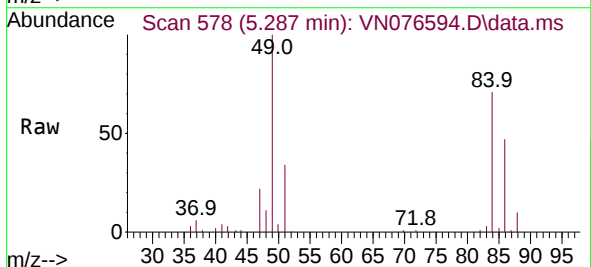
Manual Integrations
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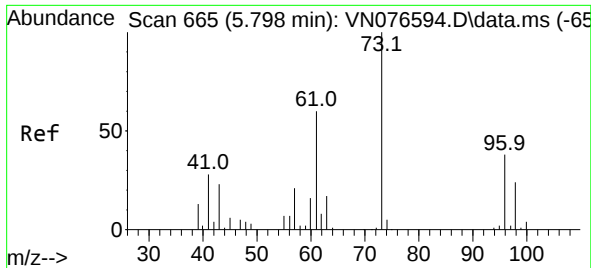
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023



#18
 Methylene Chloride
 Concen: 20.550 ug/l
 RT: 5.287 min Scan# 578
 Delta R.T. -0.013 min
 Lab File: VN076594.D
 Acq: 09 Feb 2023 17:50

Tgt Ion: 84 Resp: 76763
 Ion Ratio Lower Upper
 84 100
 49 140.6 99.6 149.4
 51 47.2 28.2 42.2#
 86 65.5 46.2 69.4





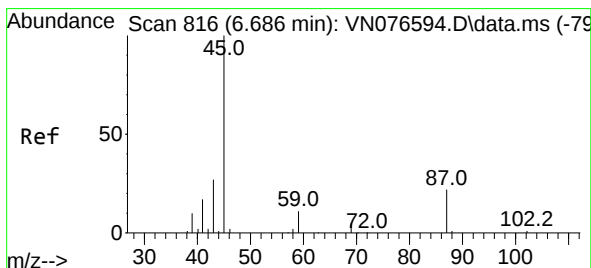
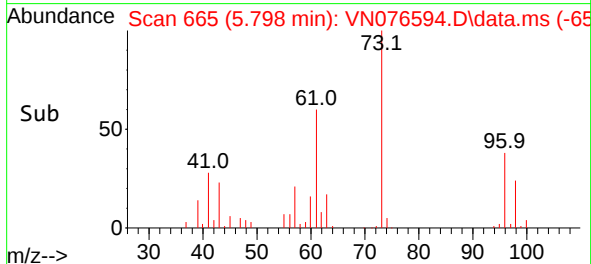
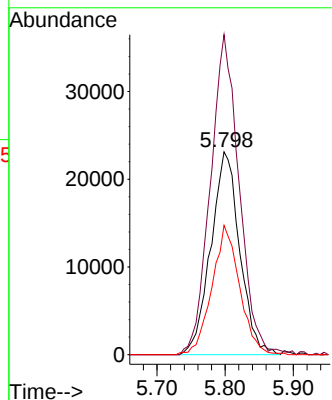
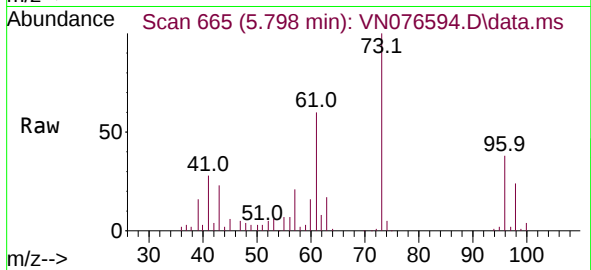
#19
trans-1,2-Dichloroethene
Concen: 21.054 ug/l
RT: 5.798 min Scan# 665
Delta R.T. -0.014 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 6830
Ion Ratio Lower Upper
96 100
61 157.7 110.2 165.4
98 62.9 50.0 75.0

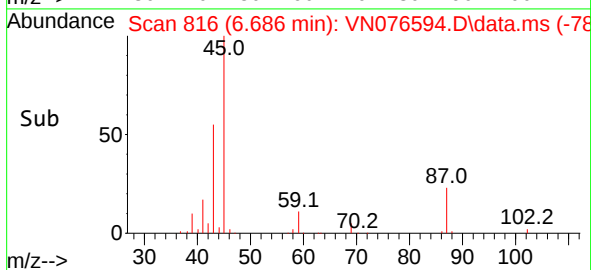
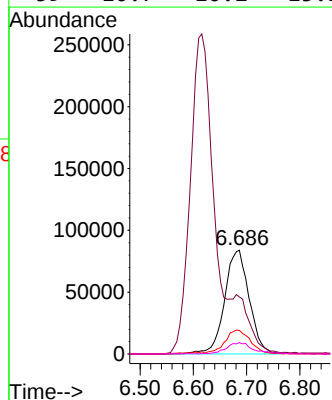
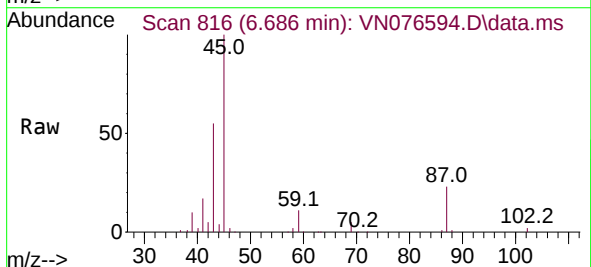
Manual Integrations
APPROVED

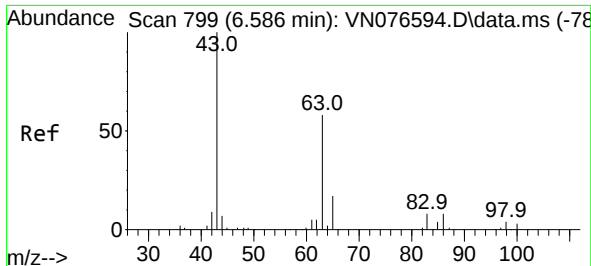
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#20
Diisopropyl ether
Concen: 19.362 ug/l
RT: 6.686 min Scan# 816
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 45 Resp: 268960
Ion Ratio Lower Upper
45 100
43 53.7 47.3 70.9
87 22.4 21.8 32.8
59 10.7 10.2 15.2





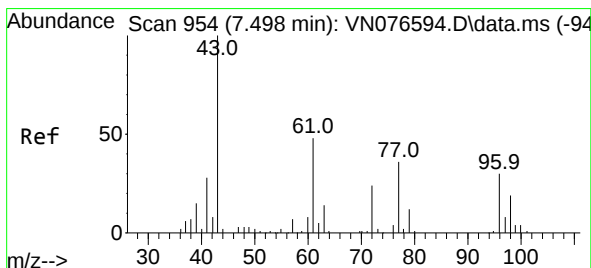
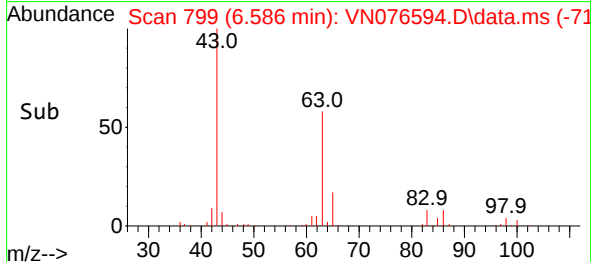
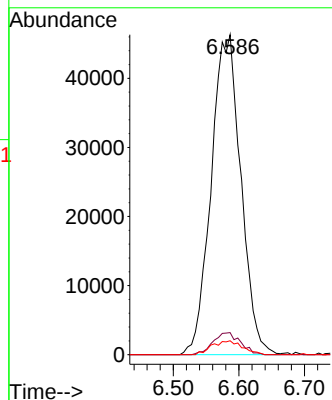
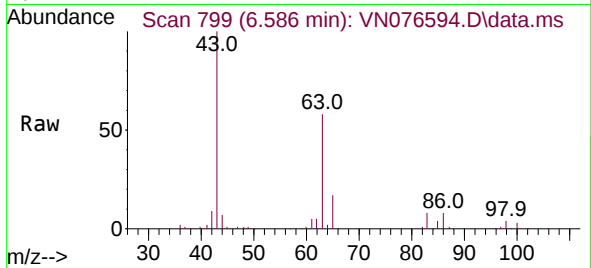
#21
1,1-Dichloroethane
Concen: 19.224 ug/l
RT: 6.586 min Scan# 799
Delta R.T. 0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 14562
Ion Ratio Lower Upper
63 100
98 6.9 3.3 9.9
100 4.3 2.2 6.6

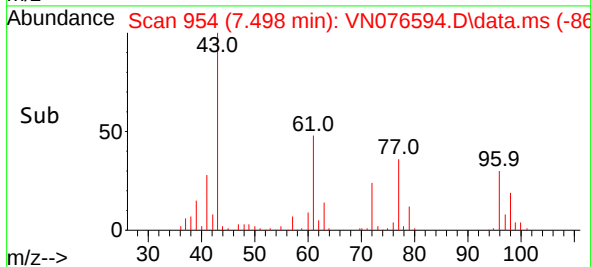
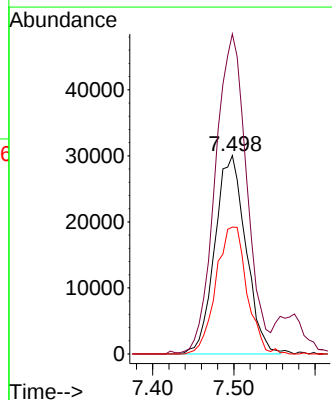
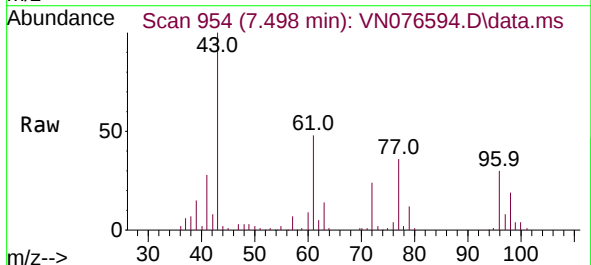
Manual Integrations
APPROVED

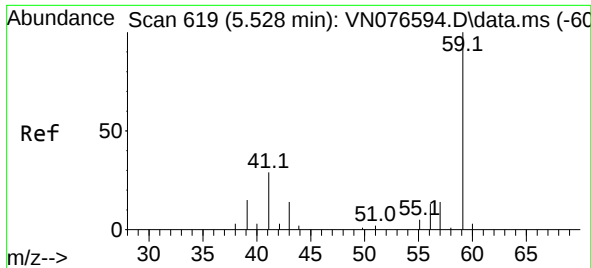
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#22
cis-1,2-Dichloroethene
Concen: 20.480 ug/l
RT: 7.498 min Scan# 954
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 96 Resp: 79579
Ion Ratio Lower Upper
96 100
61 162.8 118.8 178.2
98 63.5 52.1 78.1





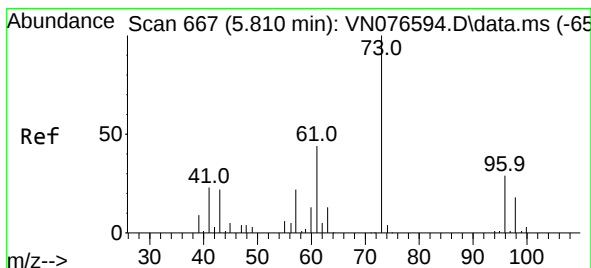
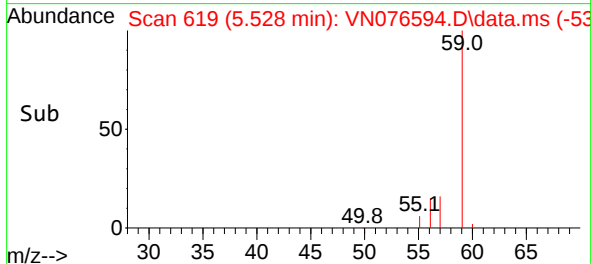
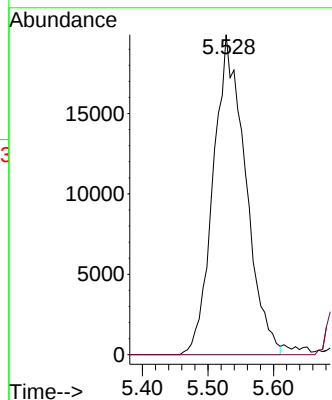
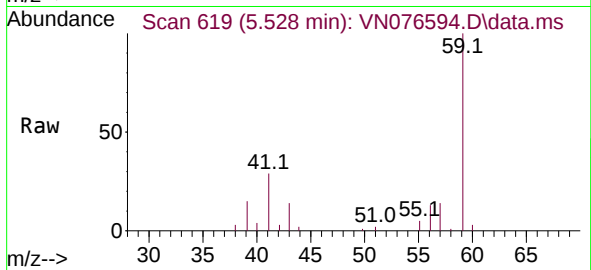
#23
tert-Butyl Alcohol
Concen: 104.071 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.031 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 59 Resp: 67770
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

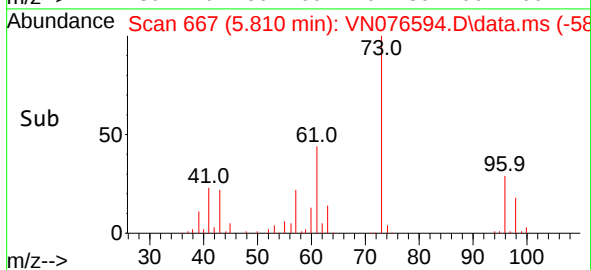
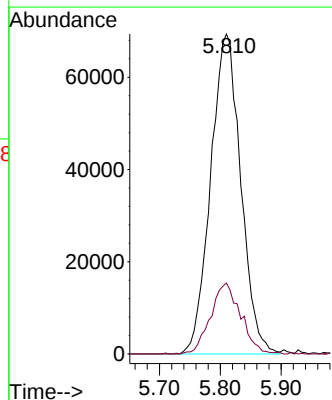
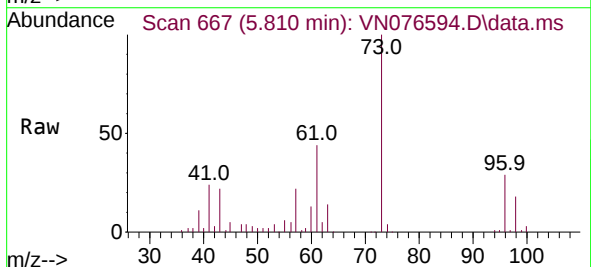
Manual Integrations
APPROVED

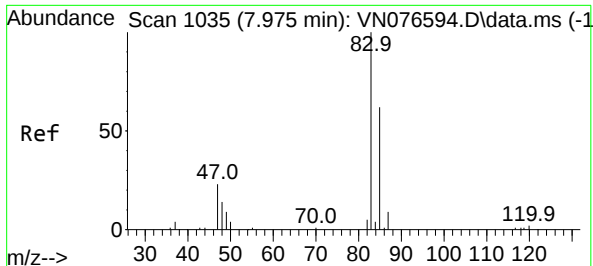
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#24
Methyl tert-Butyl Ether
Concen: 20.975 ug/l
RT: 5.810 min Scan# 667
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 73 Resp: 238543
Ion Ratio Lower Upper
73 100
43 22.1 15.6 23.4





#25

Chloroform

Concen: 19.690 ug/l

RT: 7.975 min Scan# 1035

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 147590

Ion Ratio Lower Upper

83 100

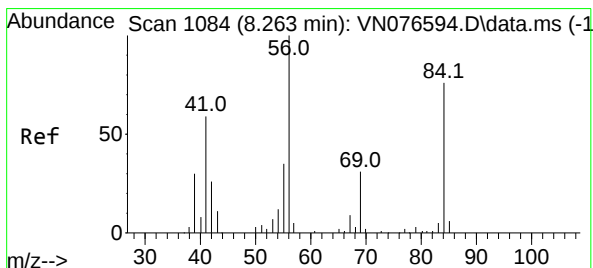
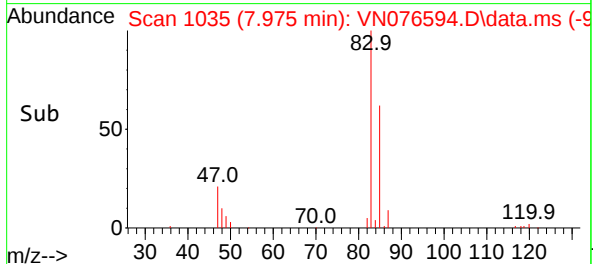
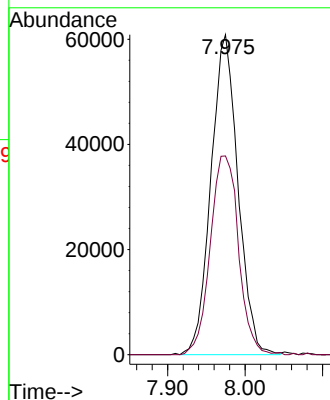
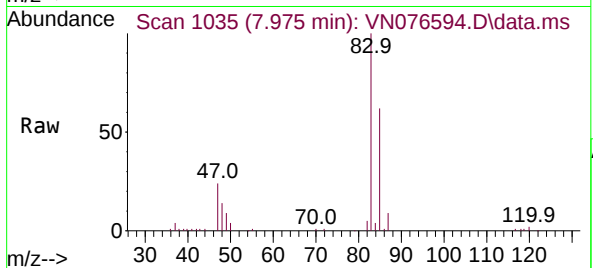
85 62.1 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#26

Cyclohexane

Concen: 18.975 ug/l

RT: 8.263 min Scan# 1084

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

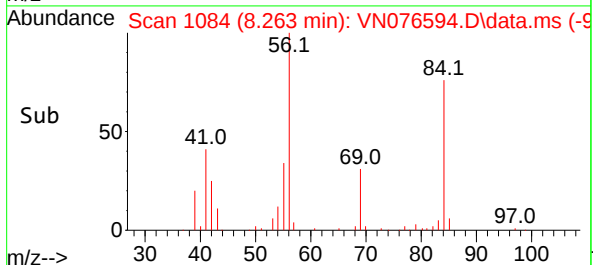
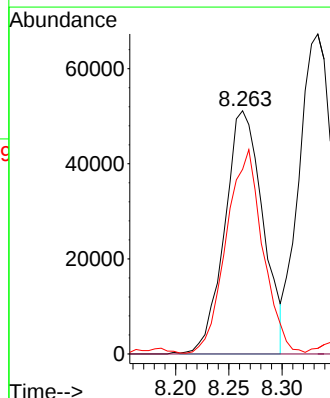
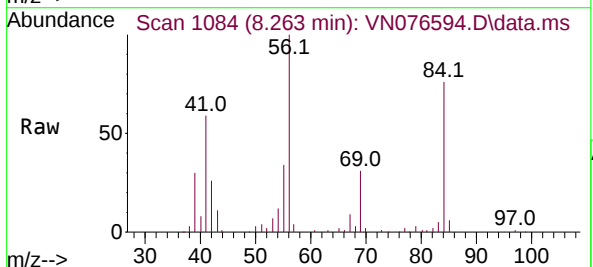
Tgt Ion: 56 Resp: 127547

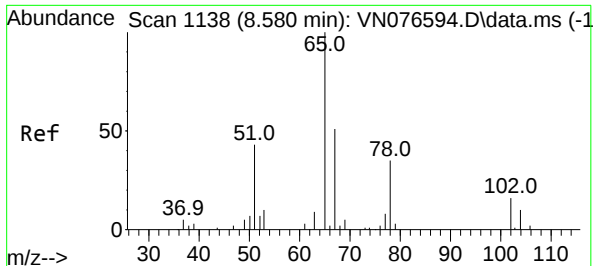
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 80.5 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 29.832 ug/l

RT: 8.580 min Scan# 1138

Delta R.T. -0.008 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 99430

Ion Ratio Lower Upper

65 100

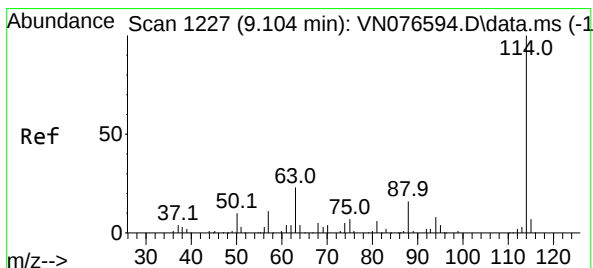
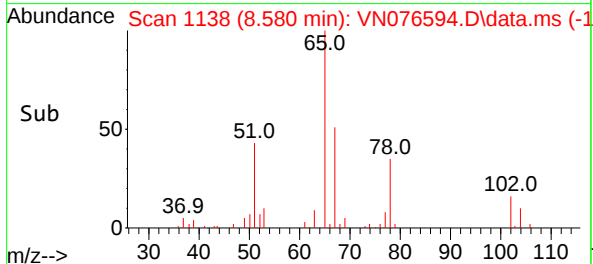
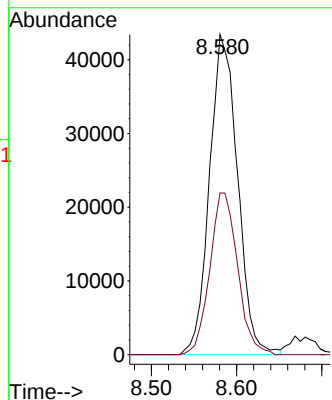
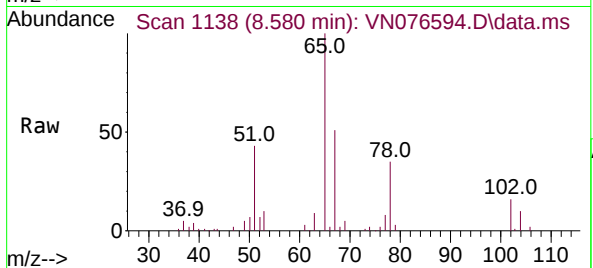
67 50.0 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

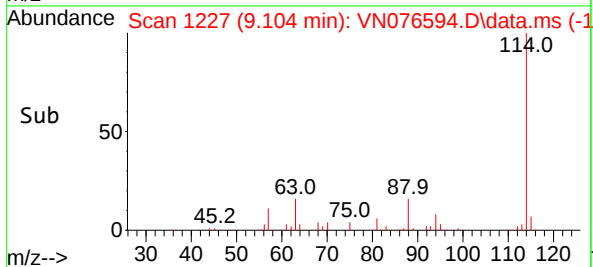
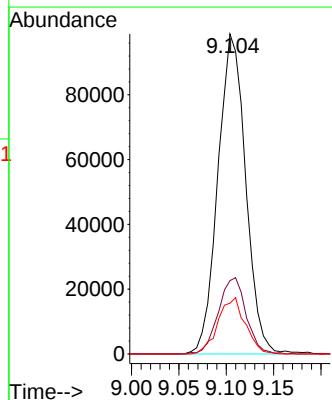
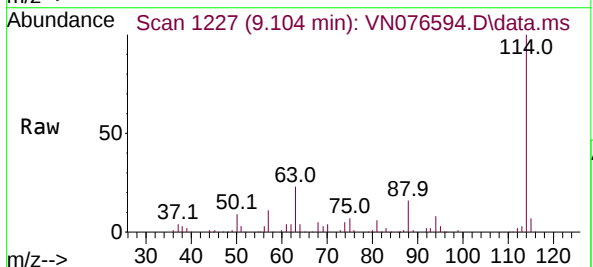
Tgt Ion:114 Resp: 201001

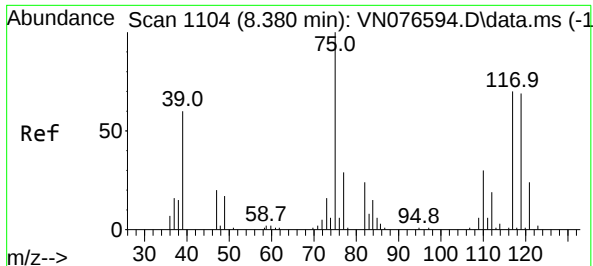
Ion Ratio Lower Upper

114 100

63 23.8 16.6 25.0

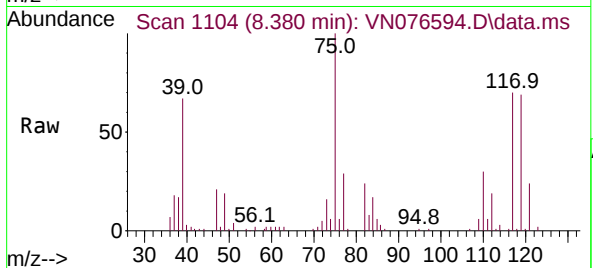
88 17.3 12.2 18.4





#29
1,1-Dichloropropene
Concen: 20.123 ug/l
RT: 8.380 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

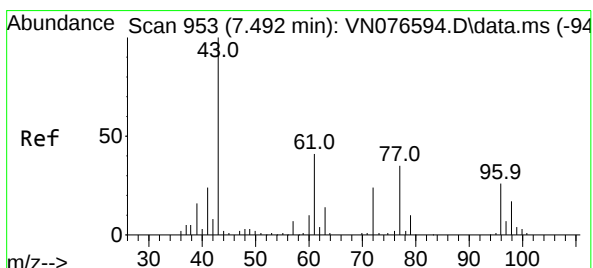
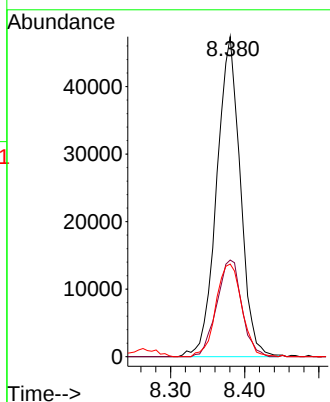
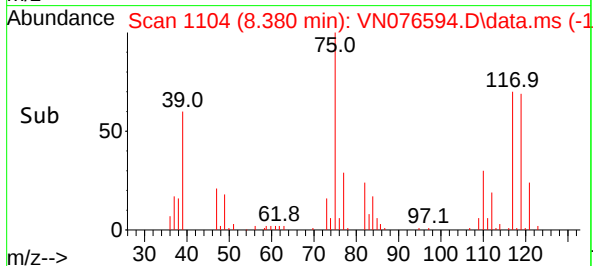
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 10469
Ion Ratio Lower Upper
75 100
110 32.0 0.0 72.2
77 31.7 0.0 64.0

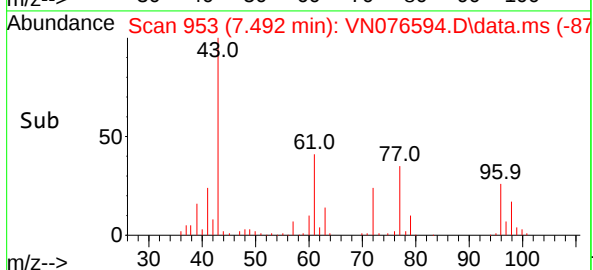
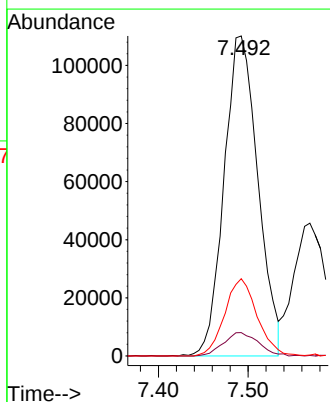
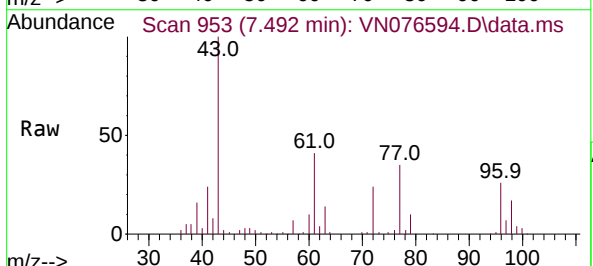
Manual Integrations
APPROVED

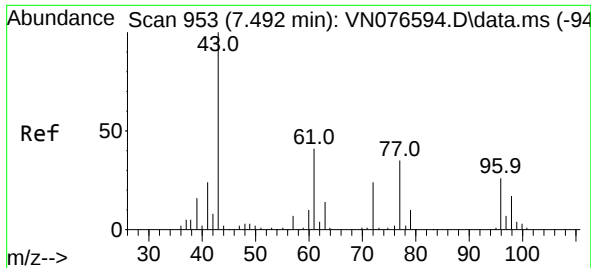
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#30
2-Butanone
Concen: 102.759 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.014 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

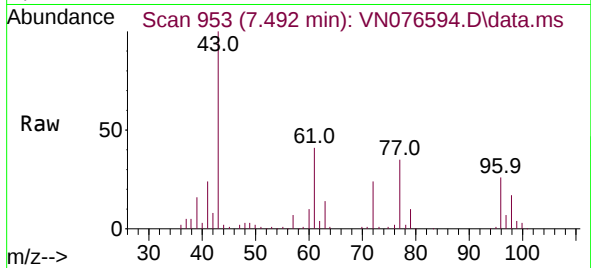
Tgt Ion: 43 Resp: 288581
Ion Ratio Lower Upper
43 100
57 7.5 6.3 9.5
72 23.1 21.0 31.4





#31
2,2-Dichloropropane
Concen: 20.764 ug/l
RT: 7.492 min Scan# 912
Delta R.T. -0.014 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

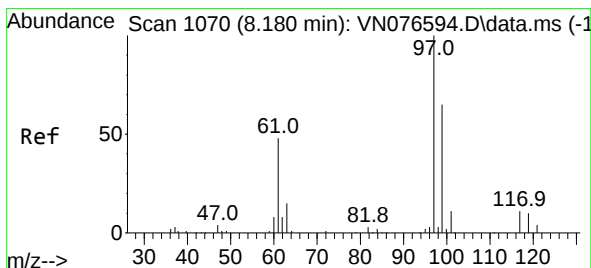
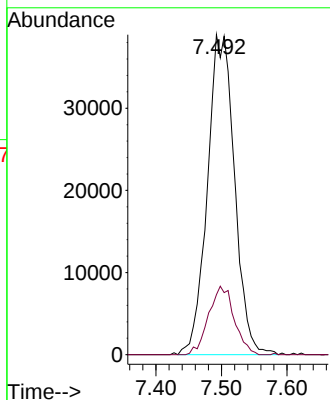
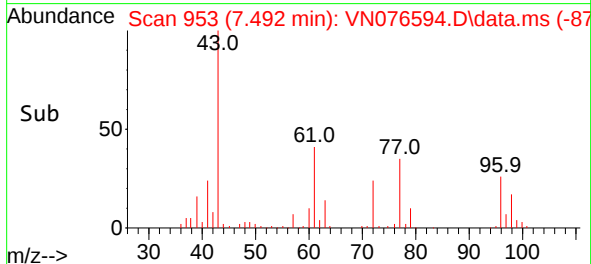
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



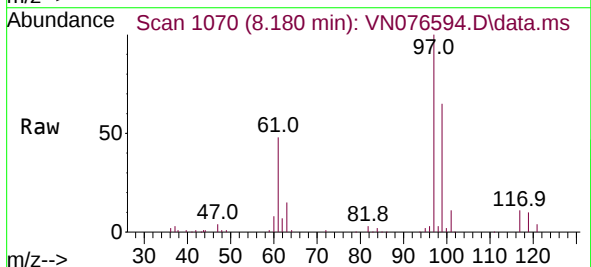
Tgt Ion: 77 Resp: 112162
Ion Ratio Lower Upper
77 100
97 20.2 18.4 27.6

Manual Integrations
APPROVED

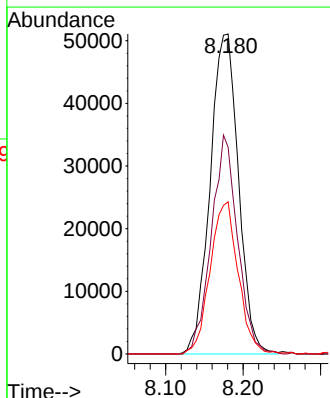
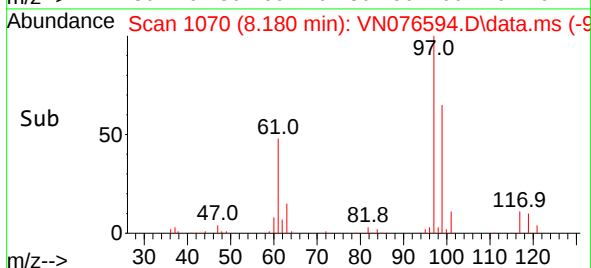
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

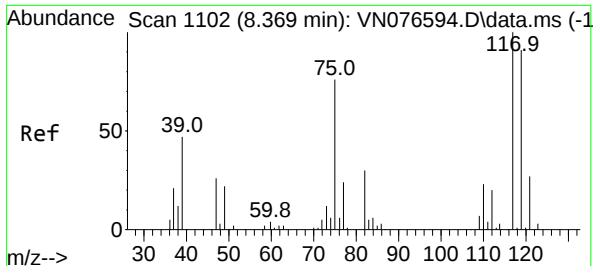


#32
1,1,1-Trichloroethane
Concen: 20.161 ug/l
RT: 8.180 min Scan# 1070
Delta R.T. -0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



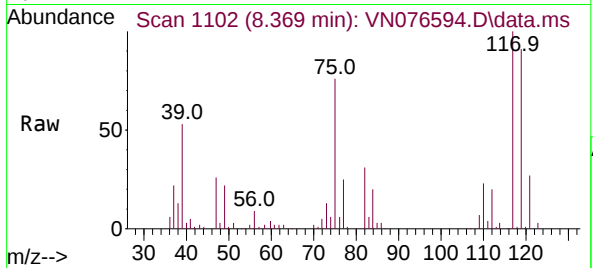
Tgt Ion: 97 Resp: 130140
Ion Ratio Lower Upper
97 100
99 63.4 50.0 75.0
61 46.8 36.1 54.1





#33
Carbon Tetrachloride
Concen: 20.354 ug/l m
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

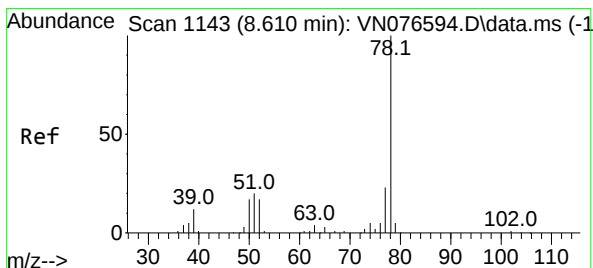
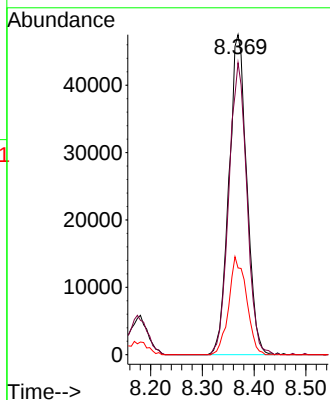
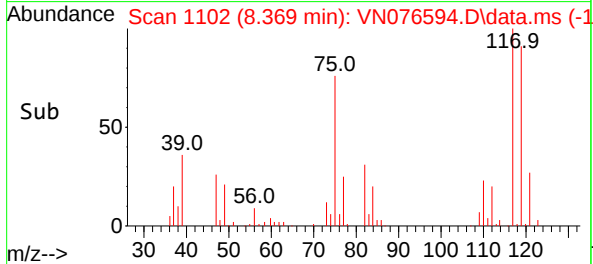
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



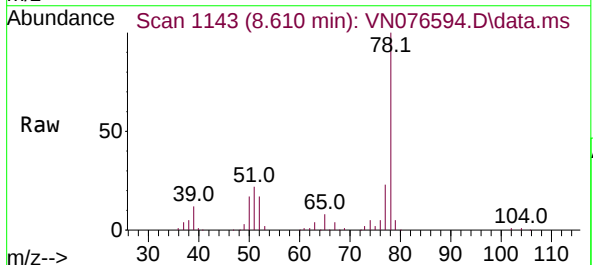
Tgt Ion:117 Resp: 113350
Ion Ratio Lower Upper
117 100
119 91.3 77.8 116.6
121 27.1 27.6 41.4

Manual Integrations
APPROVED

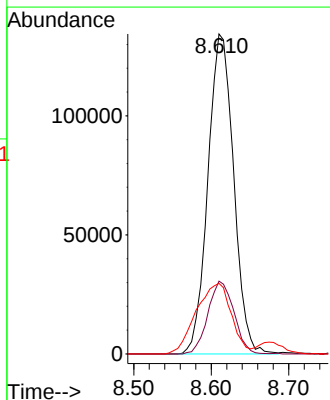
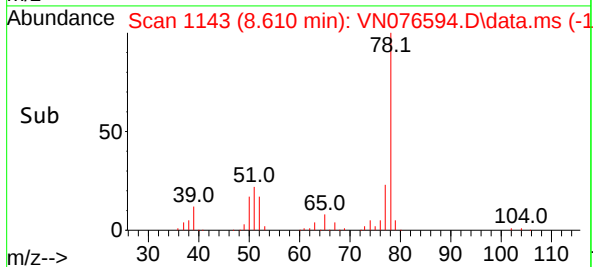
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

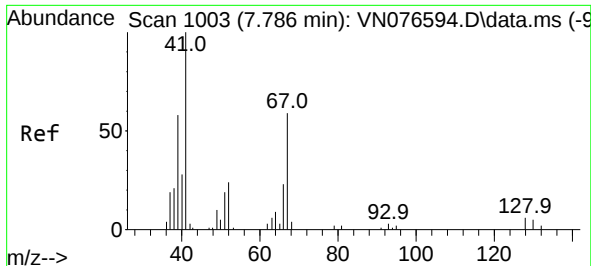


#34
Benzene
Concen: 19.385 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



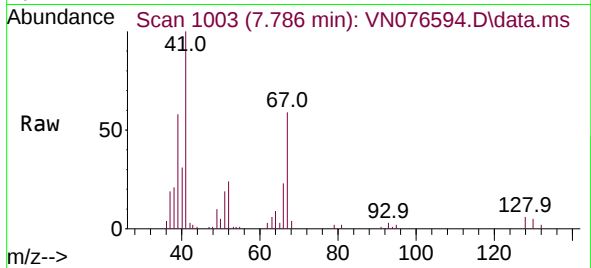
Tgt Ion: 78 Resp: 309896
Ion Ratio Lower Upper
78 100
77 22.7 19.9 29.9
51 20.3 21.1 31.7





#35
Methacrylonitrile
Concen: 19.565 ug/l
RT: 7.786 min Scan# 1003
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

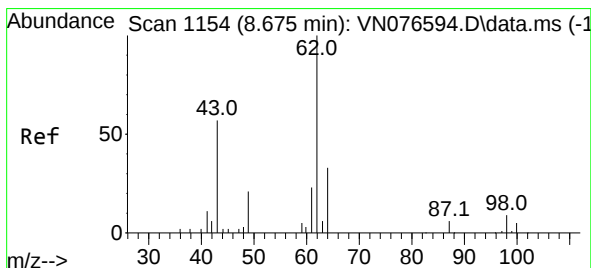
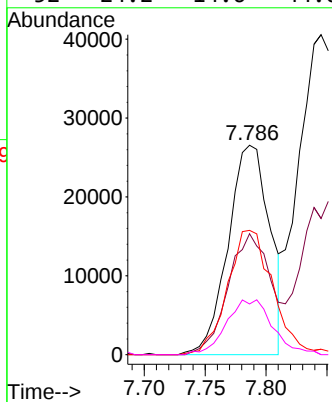
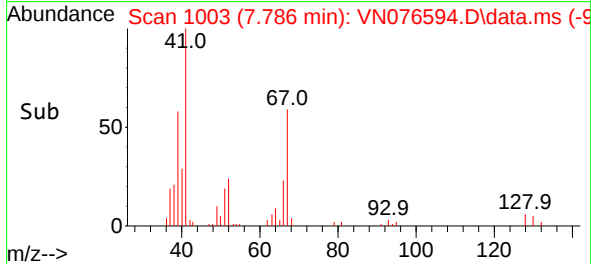
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 6317
Ion Ratio Lower Upper
41 100
39 57.8 27.7 83.1
67 59.4 38.0 113.9
52 24.2 14.6 44.0

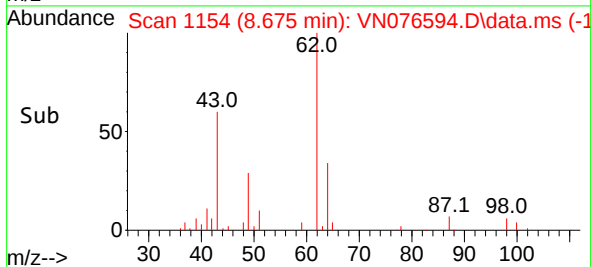
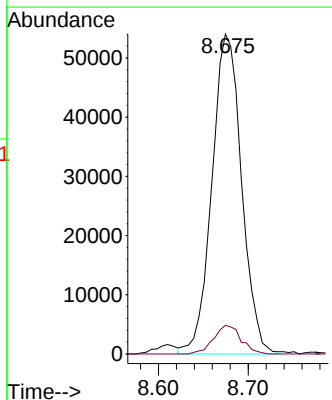
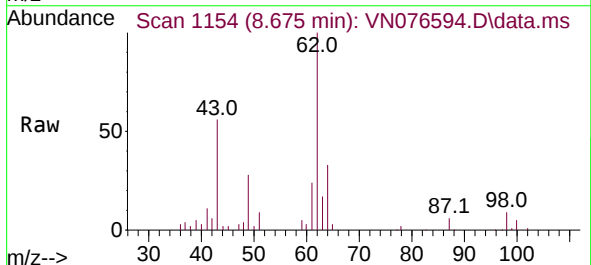
Manual Integrations
APPROVED

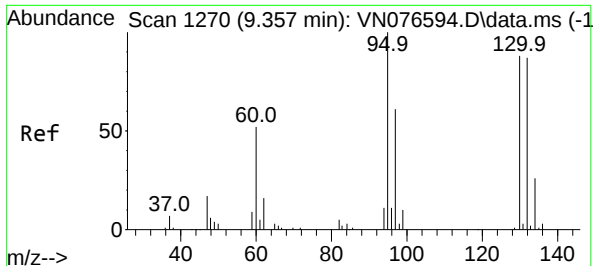
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#36
1,2-Dichloroethane
Concen: 20.228 ug/l
RT: 8.675 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 62 Resp: 124003
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2





#37

Trichloroethene

Concen: 20.832 ug/l

RT: 9.357 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:130 Resp: 68184

Ion Ratio Lower Upper

130 100

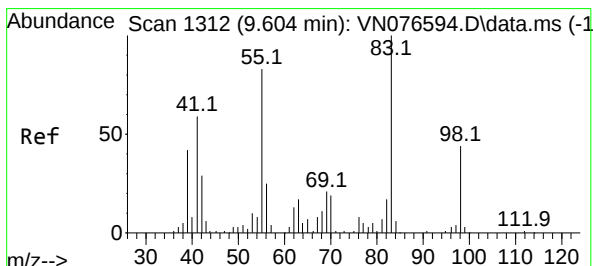
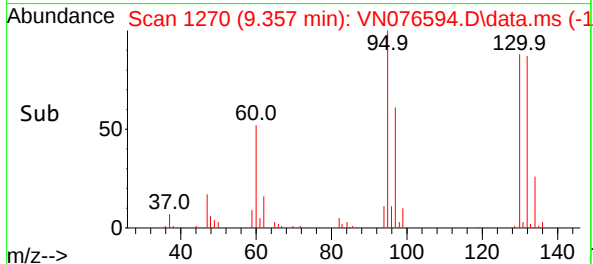
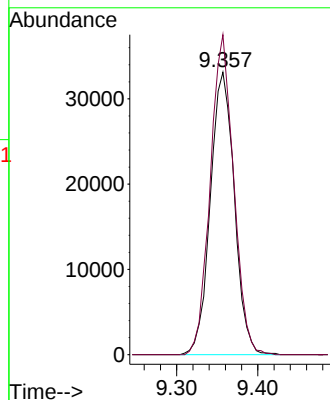
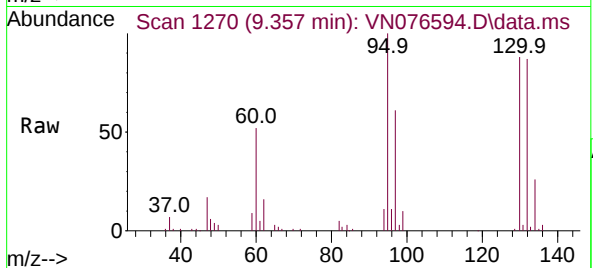
95 113.3 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#38

Methylcyclohexane

Concen: 21.596 ug/l

RT: 9.604 min Scan# 1312

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

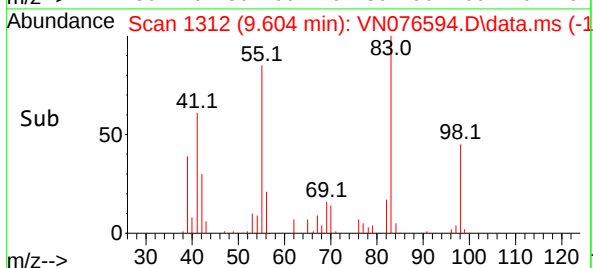
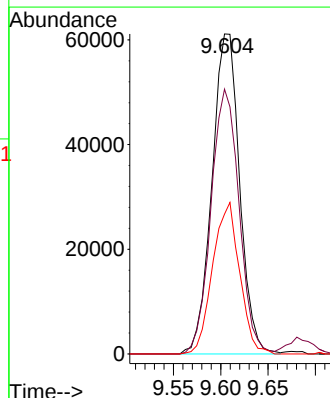
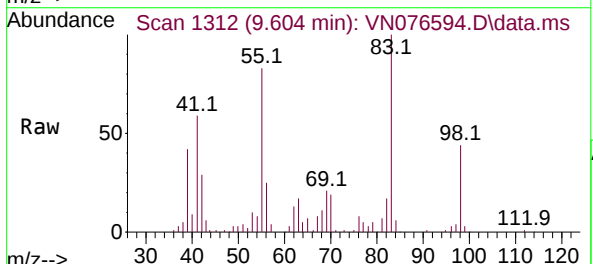
Tgt Ion: 83 Resp: 124363

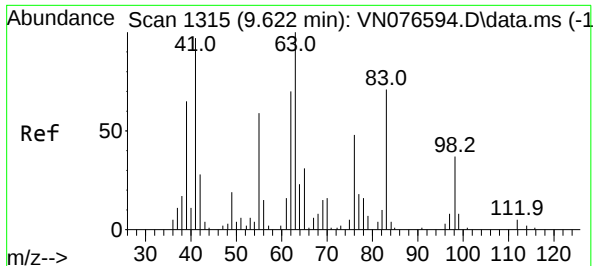
Ion Ratio Lower Upper

83 100

55 84.0 37.4 112.2

98 46.1 24.5 73.5





#39

1,2-Dichloropropane

Concen: 20.553 ug/l

RT: 9.622 min Scan# 1315

Delta R.T. -0.008 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 78409

Ion Ratio Lower Upper

63 100

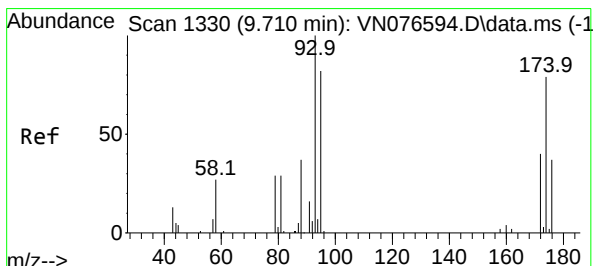
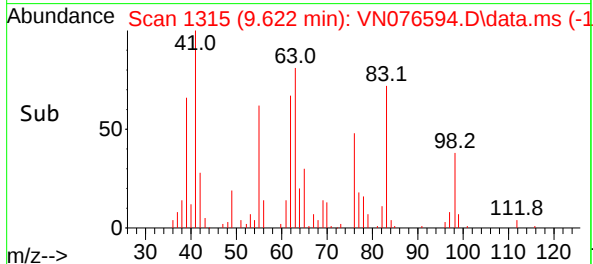
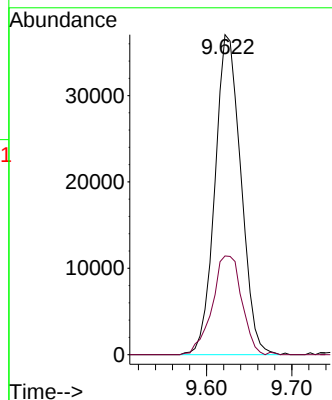
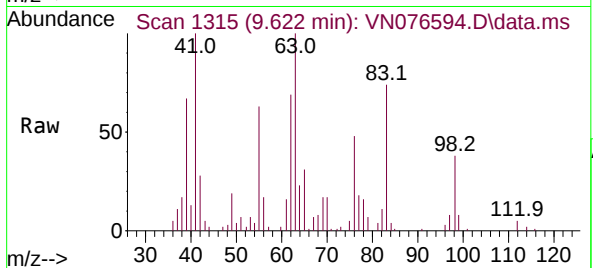
65 30.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#40

Dibromomethane

Concen: 20.996 ug/l

RT: 9.710 min Scan# 1330

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

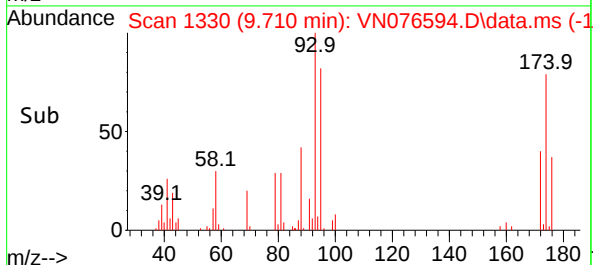
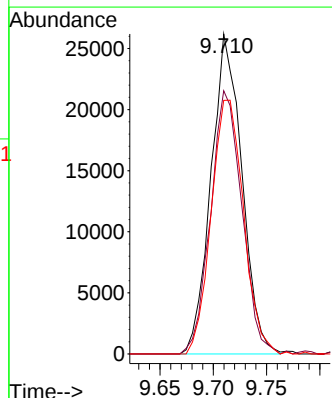
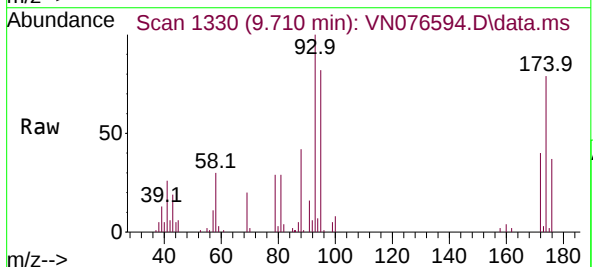
Tgt Ion: 93 Resp: 52695

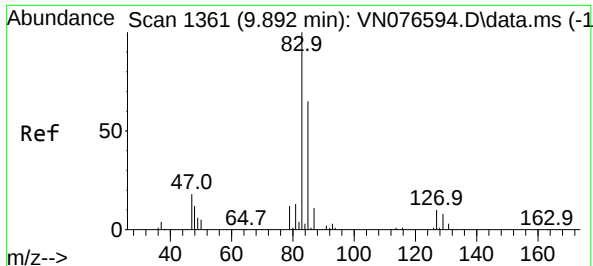
Ion Ratio Lower Upper

93 100

95 83.3 0.0 168.0

174 83.1 0.0 158.4





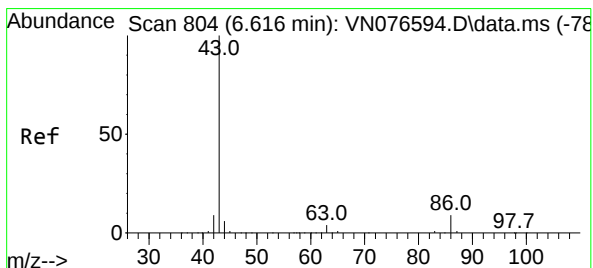
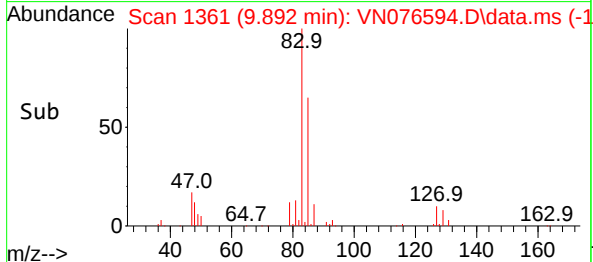
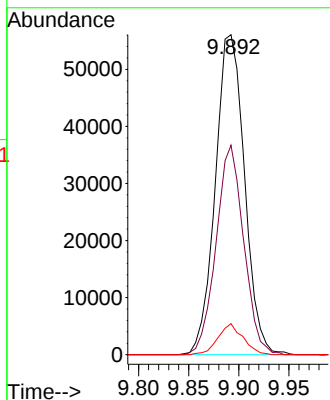
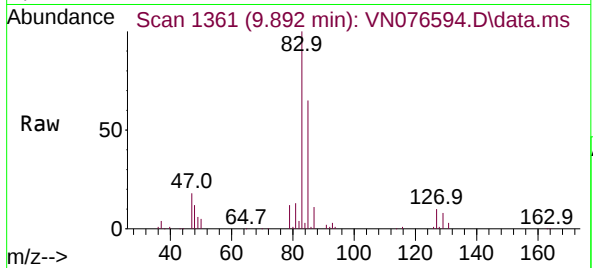
#41
Bromodichloromethane
Concen: 21.531 ug/l
RT: 9.892 min Scan# 11362
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 11362
Ion Ratio Lower Upper
83 100
85 65.5 50.2 75.4
127 9.7 5.1 7.7

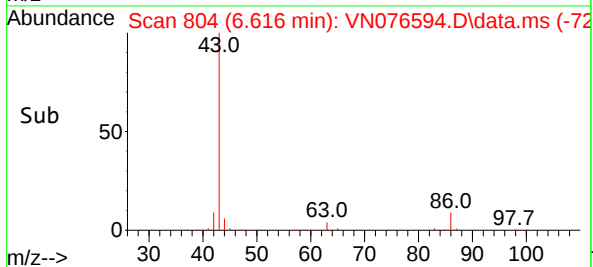
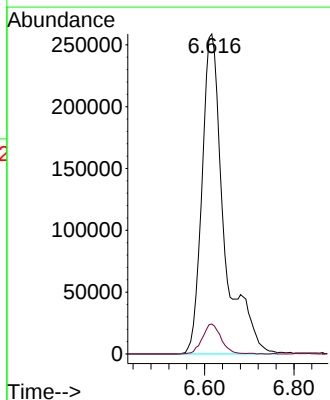
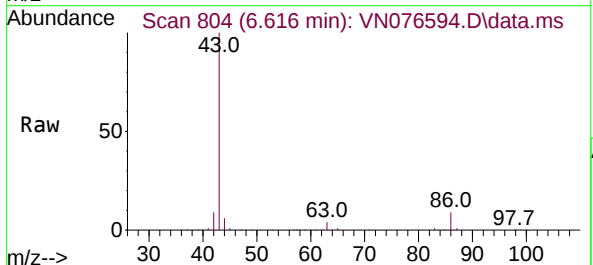
Manual Integrations
APPROVED

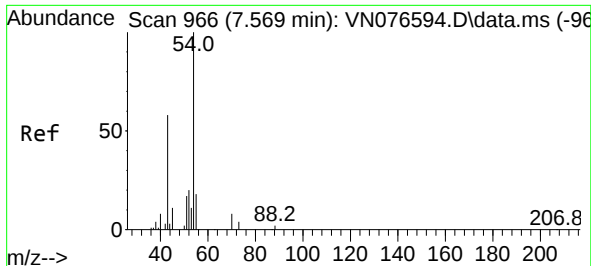
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#42
Vinyl Acetate
Concen: 97.235 ug/l m
RT: 6.616 min Scan# 804
Delta R.T. -0.008 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 43 Resp: 887700
Ion Ratio Lower Upper
43 100
86 7.9 7.5 11.3





#43

Ethyl Acetate

Concen: 20.873 ug/l

RT: 7.569 min Scan# 966

Delta R.T. -0.014 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 11951

Ion Ratio Lower Upper

43 100

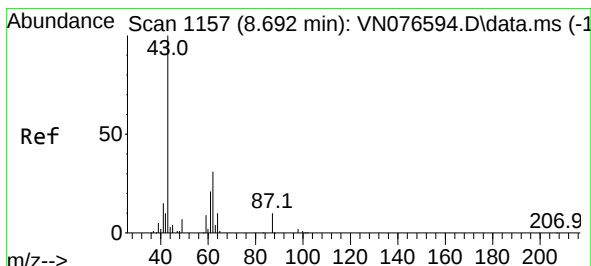
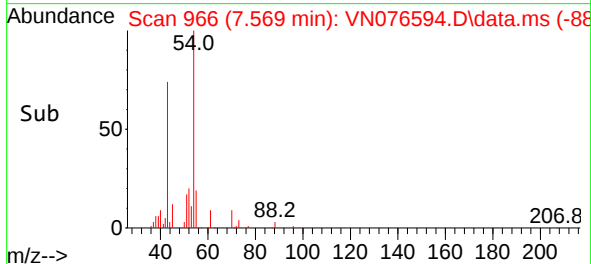
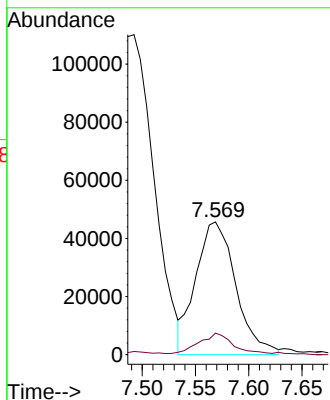
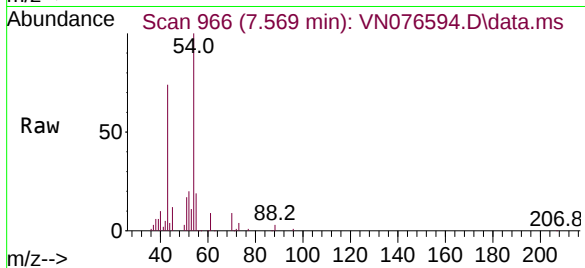
45 13.4 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#44

Isopropyl Acetate

Concen: 19.459 ug/l

RT: 8.692 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN076594.D

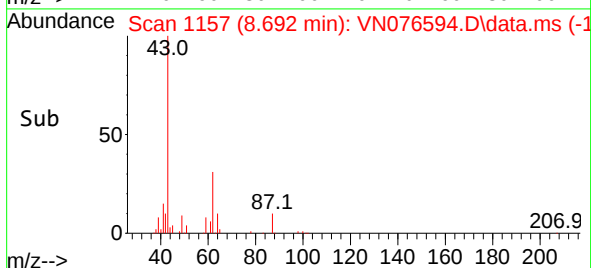
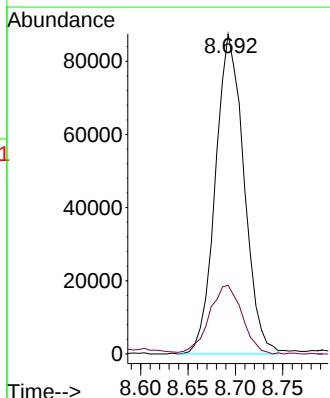
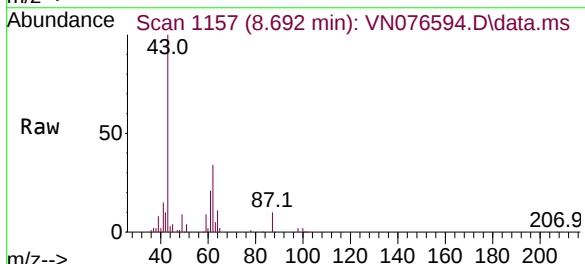
Acq: 09 Feb 2023 17:50

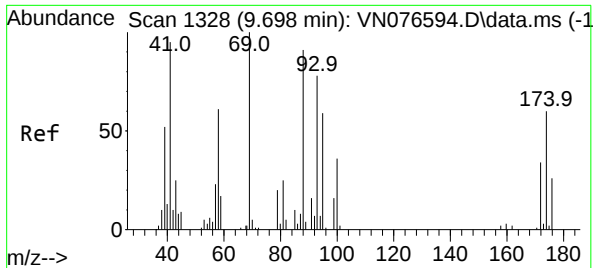
Tgt Ion: 43 Resp: 183300

Ion Ratio Lower Upper

43 100

61 24.7 19.5 29.3





#45

1,4-Dioxane

Concen: 446.597 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 88 Resp: 3429

Ion Ratio Lower Upper

88 100

43 36.4 25.7 38.5

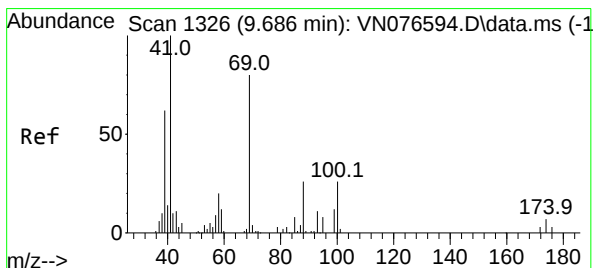
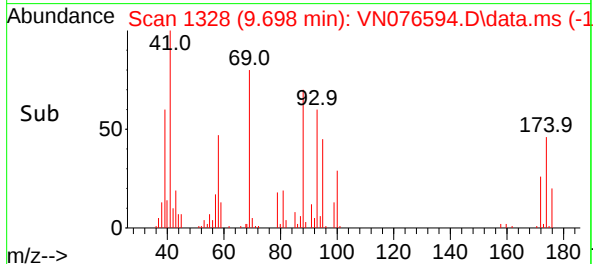
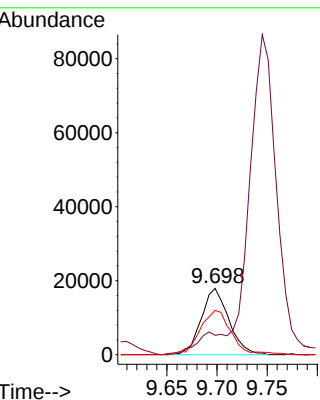
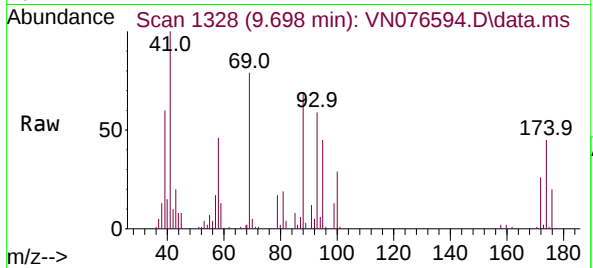
58 72.1 53.4 80.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#46

Methyl methacrylate

Concen: 20.197 ug/l

RT: 9.686 min Scan# 1326

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

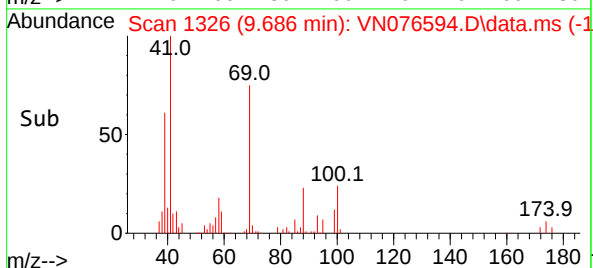
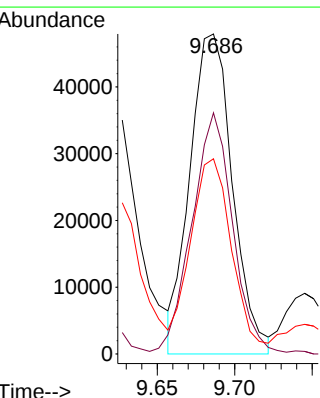
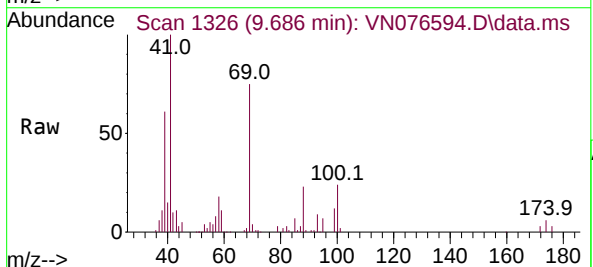
Tgt Ion: 41 Resp: 91729

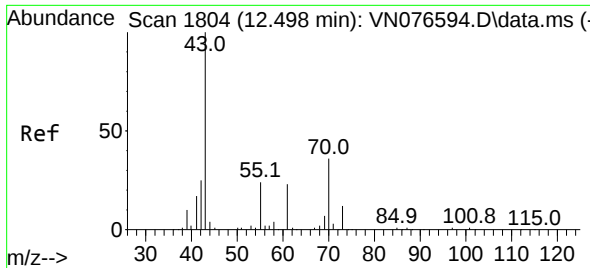
Ion Ratio Lower Upper

41 100

69 77.3 45.6 136.7

39 60.8 32.3 96.9





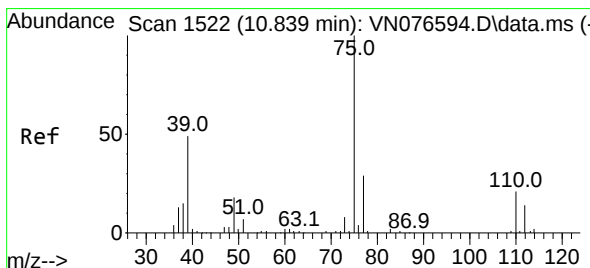
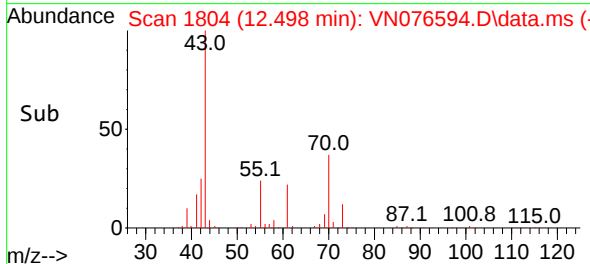
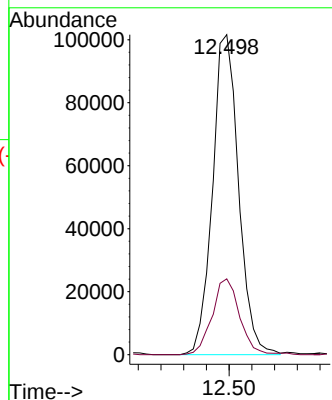
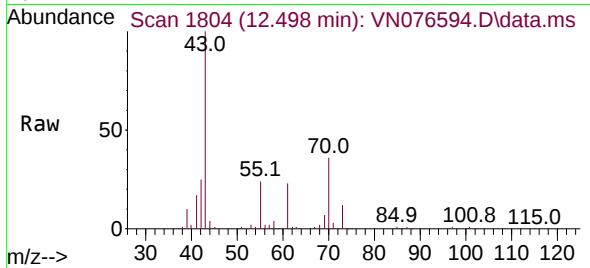
#47
n-amy1 Acetate
Concen: 20.239 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 162040
Ion Ratio Lower Upper
43 100
55 24.8 16.8 25.2

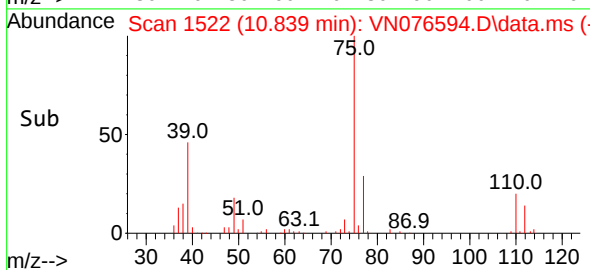
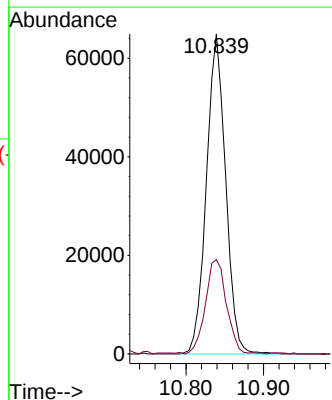
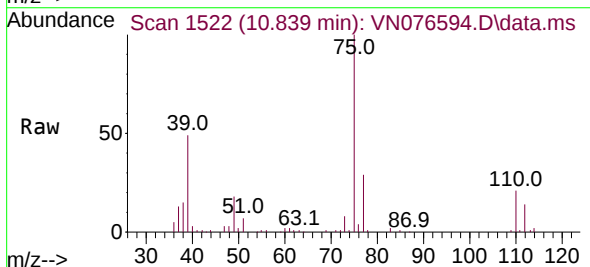
Manual Integrations
APPROVED

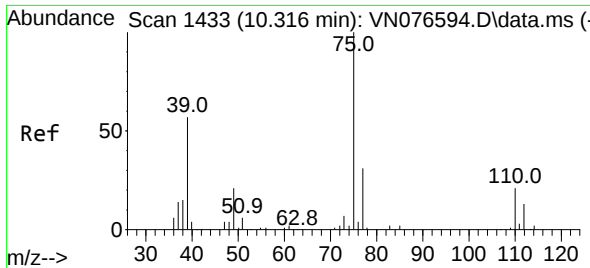
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#48
t-1,3-Dichloropropene
Concen: 21.077 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

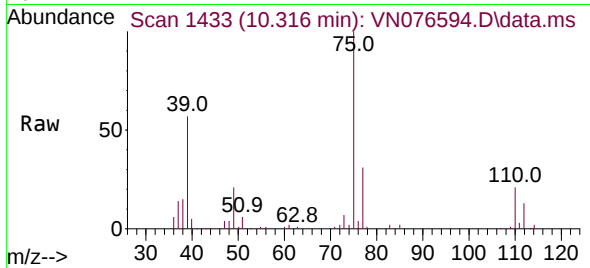
Tgt Ion: 75 Resp: 111959
Ion Ratio Lower Upper
75 100
77 29.1 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 20.968 ug/l
 RT: 10.316 min Scan# 1433
 Delta R.T. -0.002 min
 Lab File: VN076594.D
 Acq: 09 Feb 2023 17:50

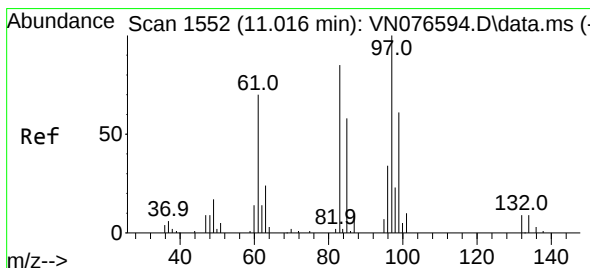
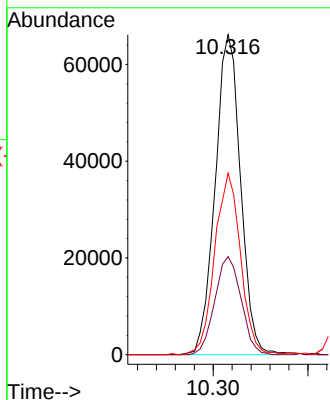
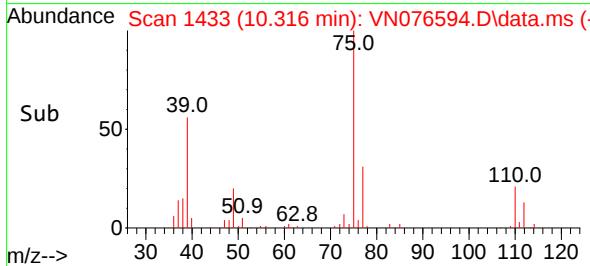
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 75 Resp: 123129
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.5 33.7
 39 56.7 37.6 56.4

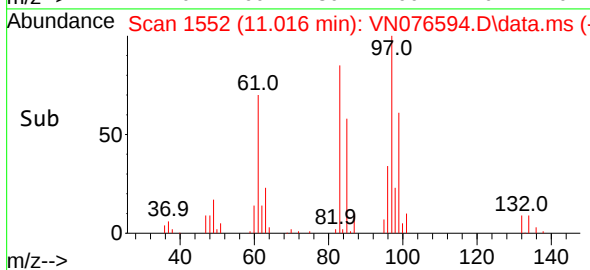
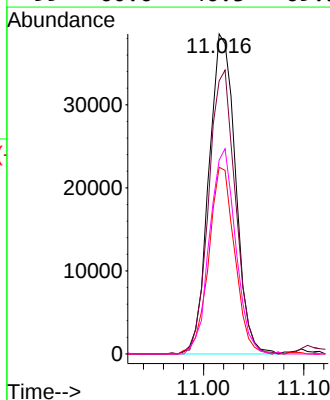
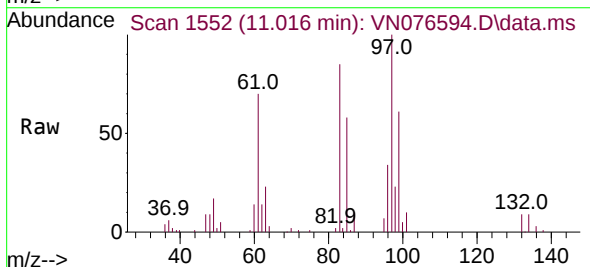
Manual Integrations
 APPROVED

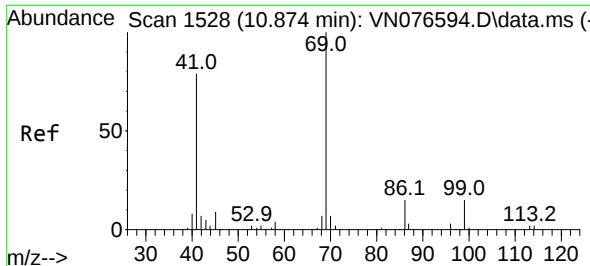
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023



#50
 1,1,2-Trichloroethane
 Concen: 20.885 ug/l
 RT: 11.016 min Scan# 1552
 Delta R.T. -0.002 min
 Lab File: VN076594.D
 Acq: 09 Feb 2023 17:50

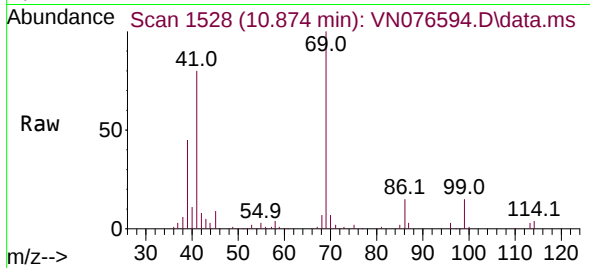
Tgt Ion: 97 Resp: 71186
 Ion Ratio Lower Upper
 97 100
 83 85.3 69.2 103.8
 85 58.3 41.4 62.2
 99 60.6 46.3 69.5





#51
Ethyl methacrylate
Concen: 20.977 ug/l
RT: 10.874 min Scan# 1528
Delta R.T. -0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

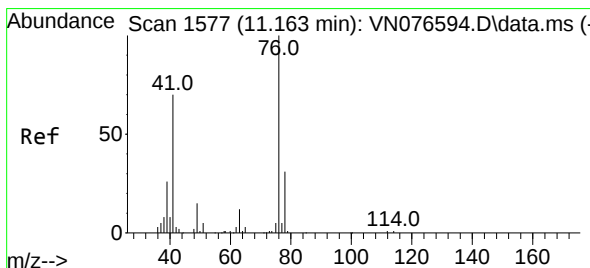
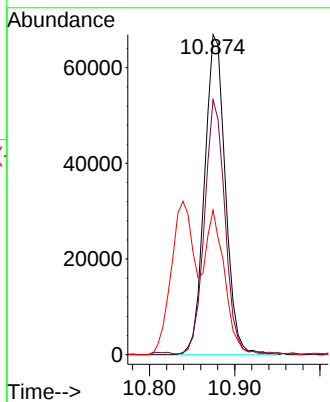
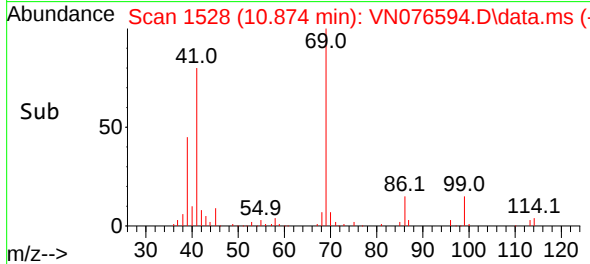
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 69 Resp: 113529
Ion Ratio Lower Upper
69 100
41 79.4 32.5 97.5
39 44.8 21.5 64.5

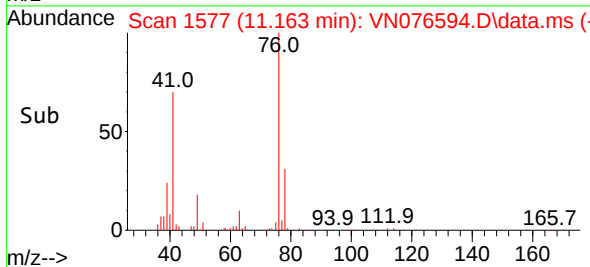
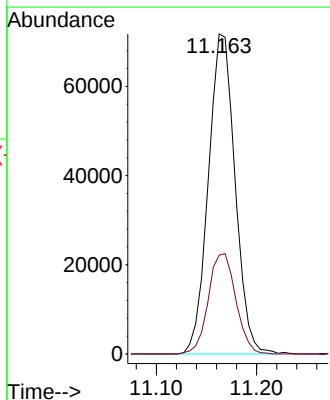
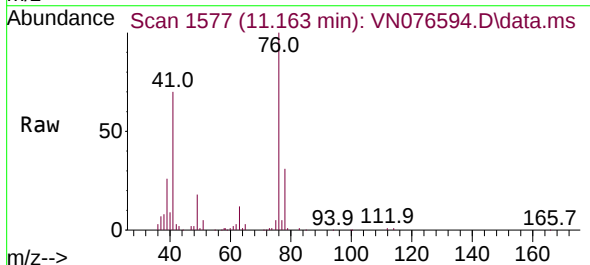
Manual Integrations
APPROVED

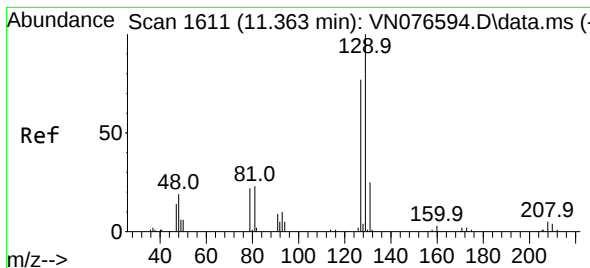
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#52
1,3-Dichloropropane
Concen: 20.910 ug/l
RT: 11.163 min Scan# 1577
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 76 Resp: 132852
Ion Ratio Lower Upper
76 100
78 32.2 0.0 63.8





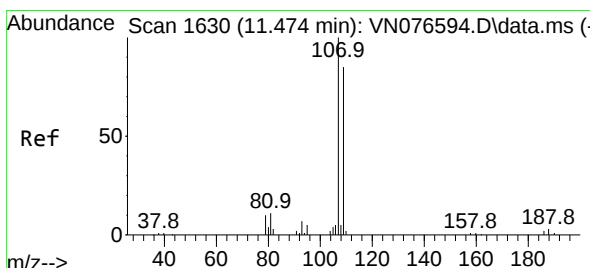
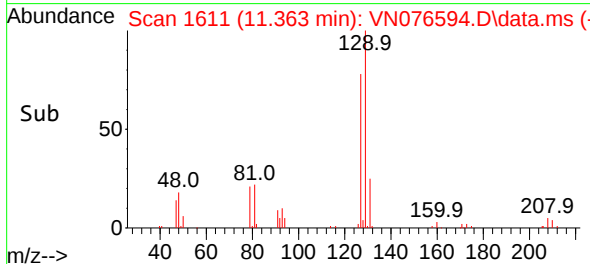
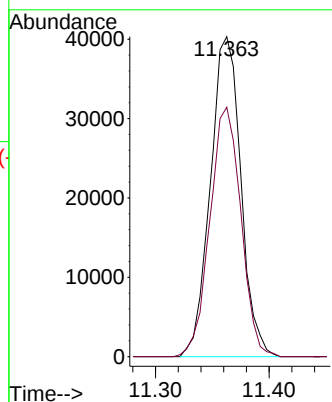
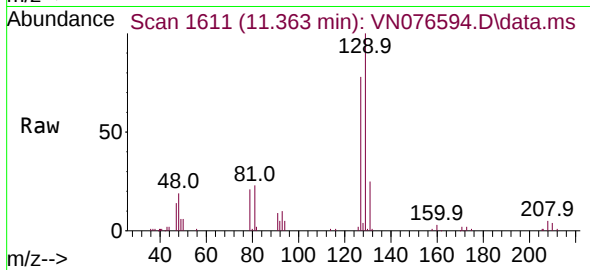
#53
Dibromochloromethane
Concen: 21.250 ug/l
RT: 11.363 min Scan# 1611
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 7526
Ion Ratio Lower Upper
129 100
127 79.2 40.6 121.7

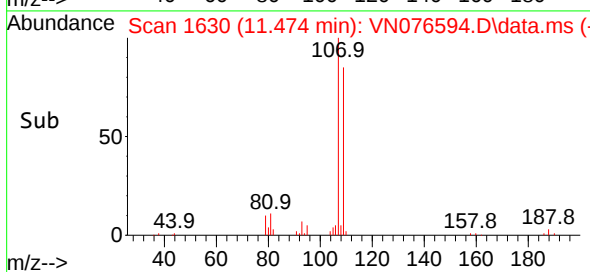
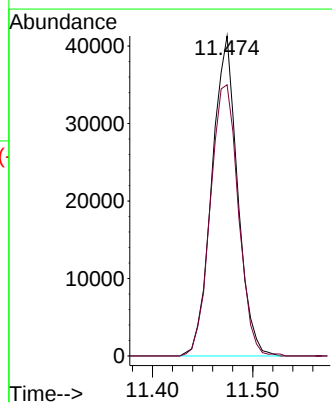
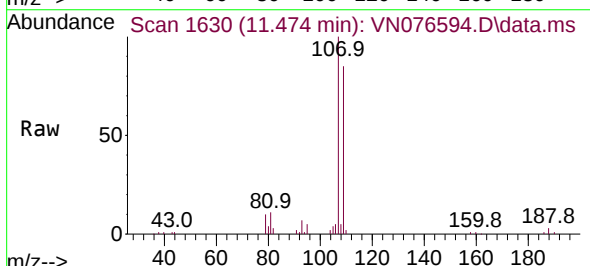
Manual Integrations
APPROVED

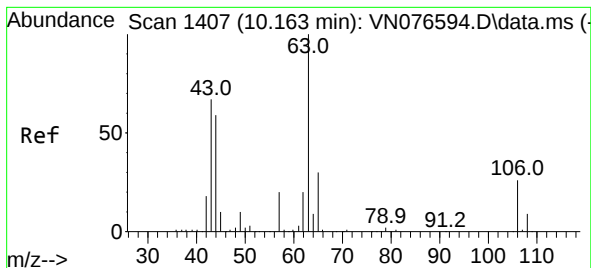
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#54
1,2-Dibromoethane
Concen: 21.317 ug/l
RT: 11.474 min Scan# 1630
Delta R.T. 0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion:107 Resp: 73522
Ion Ratio Lower Upper
107 100
109 92.1 76.2 114.2





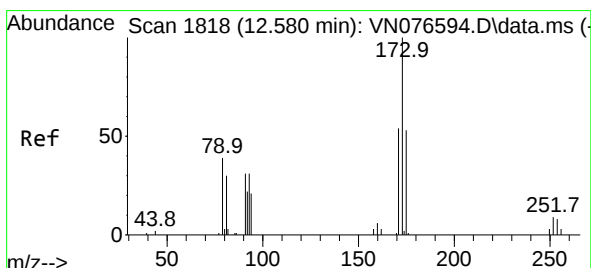
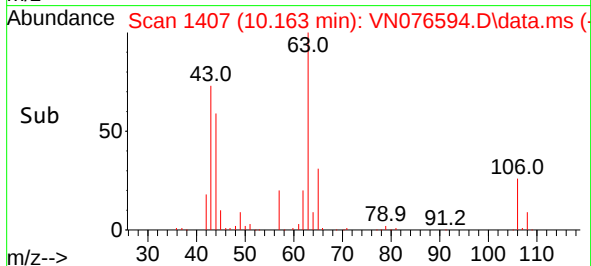
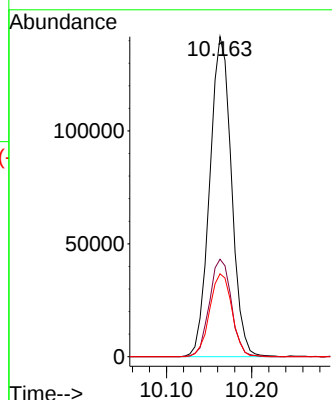
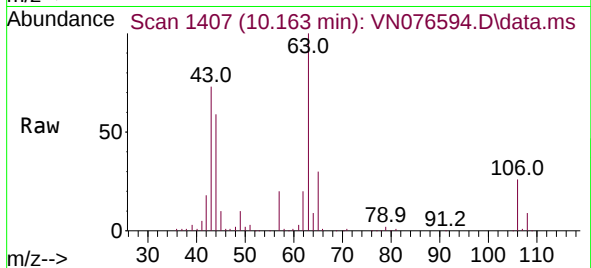
#55
2-Chloroethyl vinyl ether
Concen: 101.675 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 25135
Ion Ratio Lower Upper
63 100
65 30.7 24.6 36.8
106 26.6 21.3 31.9

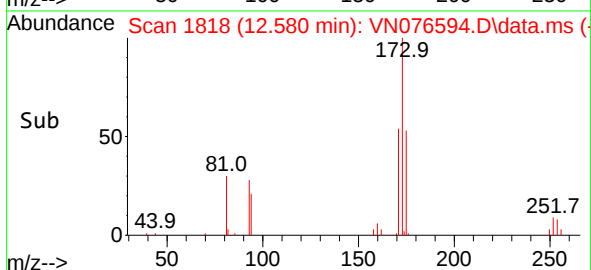
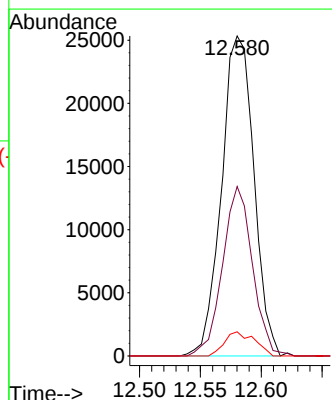
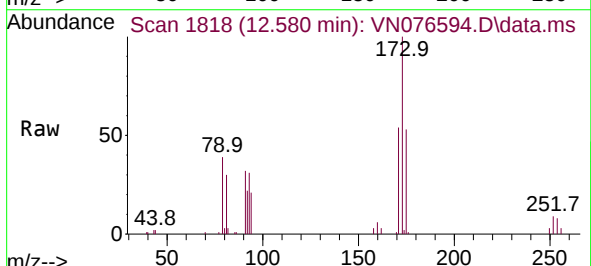
Manual Integrations
APPROVED

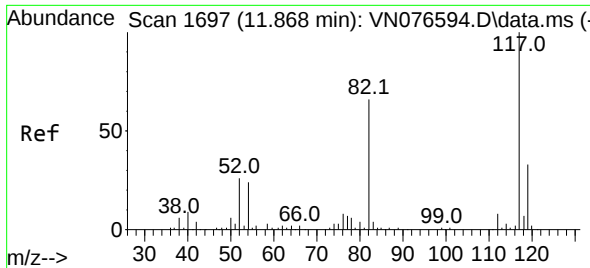
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#56
Bromoform
Concen: 20.559 ug/l
RT: 12.580 min Scan# 1818
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

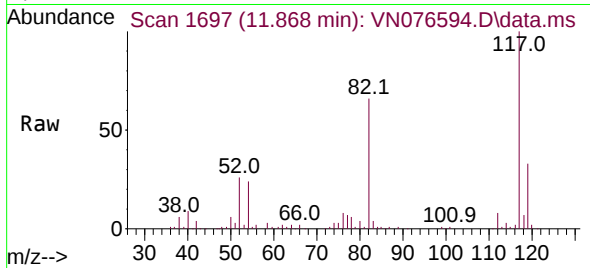
Tgt Ion:173 Resp: 46895
Ion Ratio Lower Upper
173 100
175 48.8 39.1 58.7
254 7.0 7.0 10.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

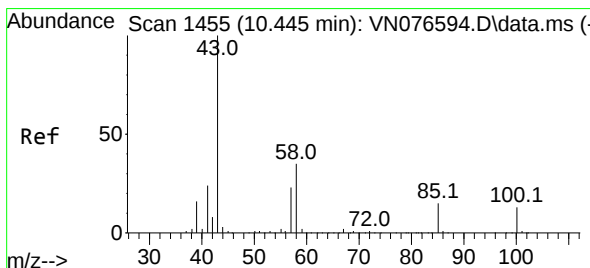
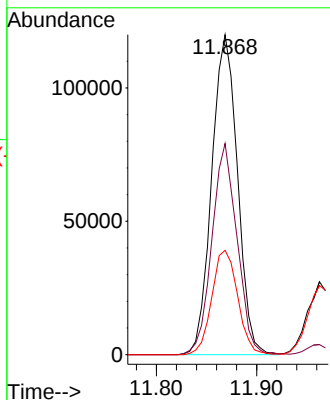
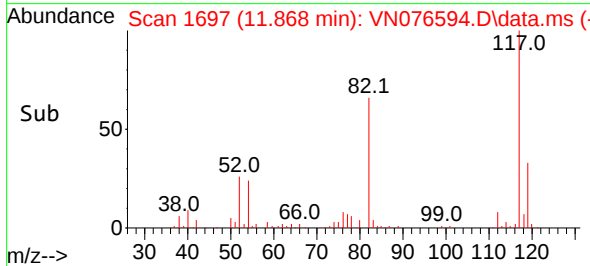
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:117 Resp: 21389
Ion Ratio Lower Upper
117 100
82 64.5 44.6 67.0
119 32.9 25.6 38.4

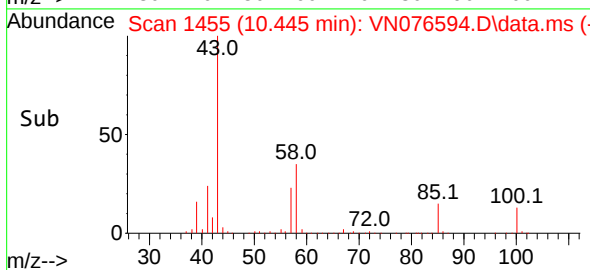
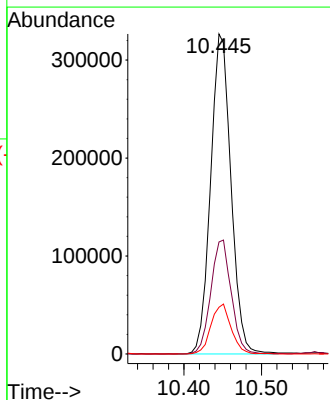
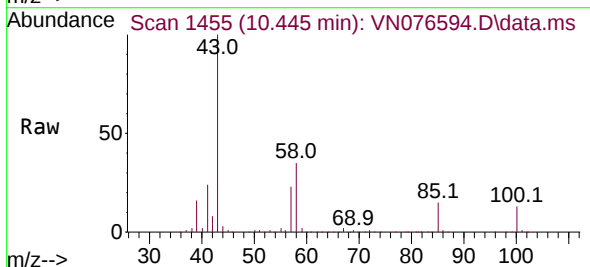
Manual Integrations
APPROVED

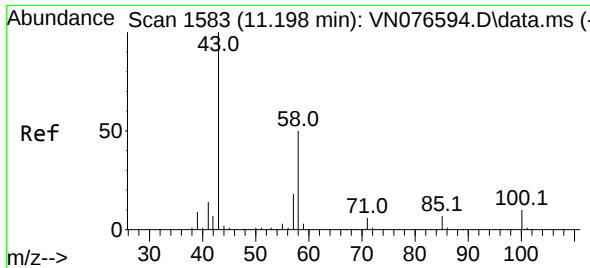
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#58
4-Methyl-2-Pentanone
Concen: 99.797 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

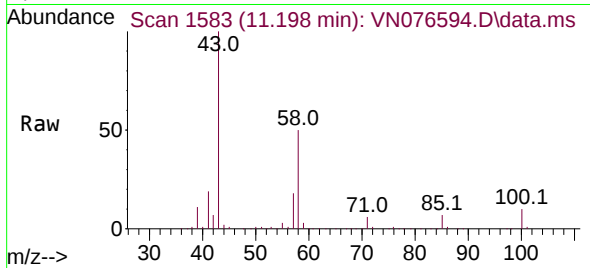
Tgt Ion: 43 Resp: 596714
Ion Ratio Lower Upper
43 100
58 35.7 30.8 46.2
85 15.3 13.3 19.9





#59
2-Hexanone
Concen: 100.326 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

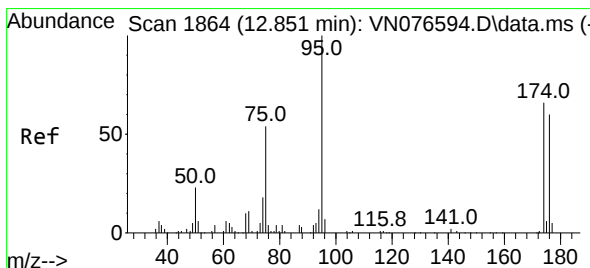
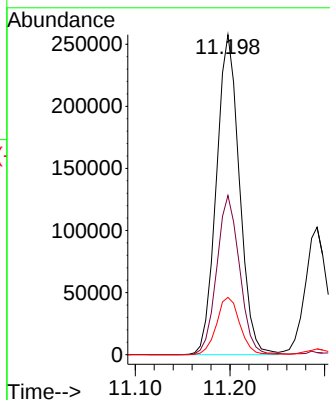
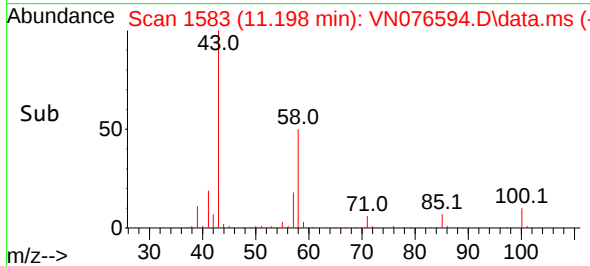
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 43615
Ion Ratio Lower Upper
43 100
58 49.2 43.6 65.4
57 18.2 14.3 21.5

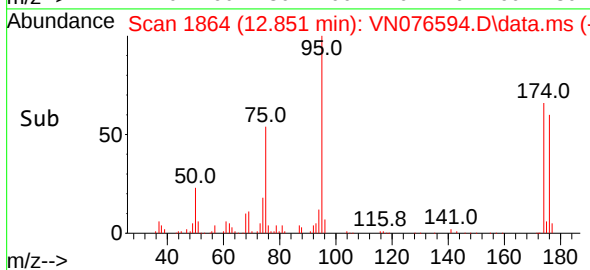
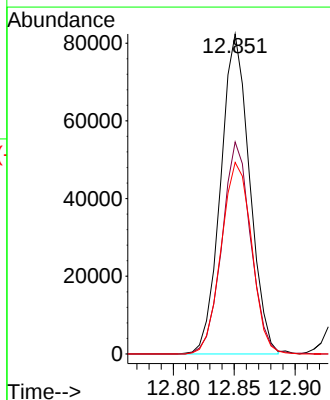
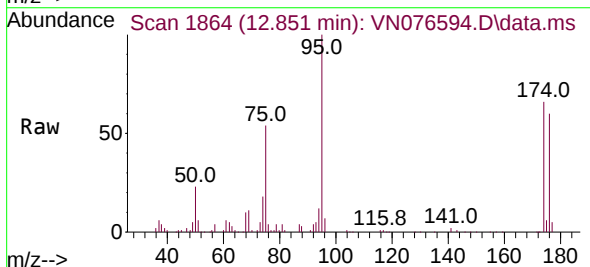
Manual Integrations
APPROVED

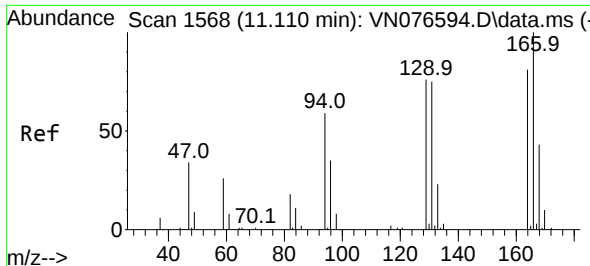
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#60
4-Bromofluorobenzene
Concen: 28.153 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

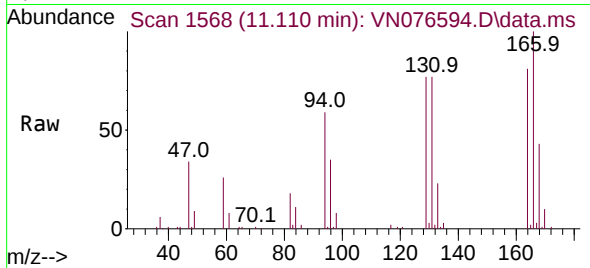
Tgt Ion: 95 Resp: 135945
Ion Ratio Lower Upper
95 100
174 65.7 57.8 86.8
176 63.0 57.0 85.4





#61
Tetrachloroethene
Concen: 21.101 ug/l
RT: 11.110 min Scan# 1568
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

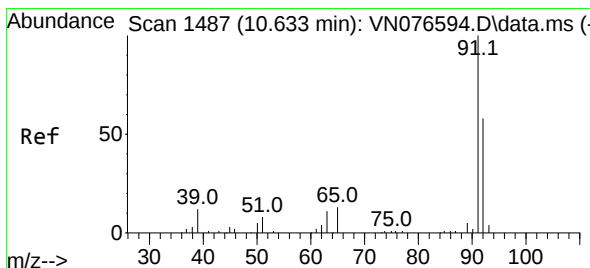
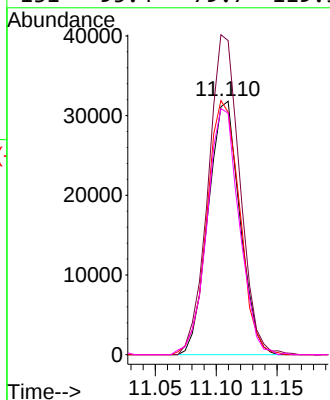
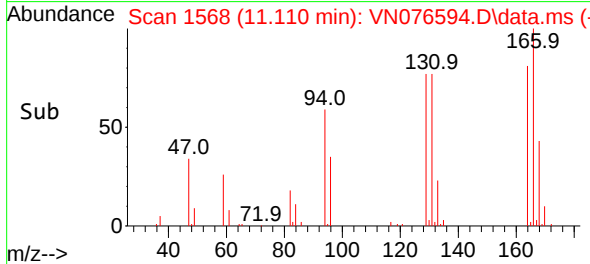
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



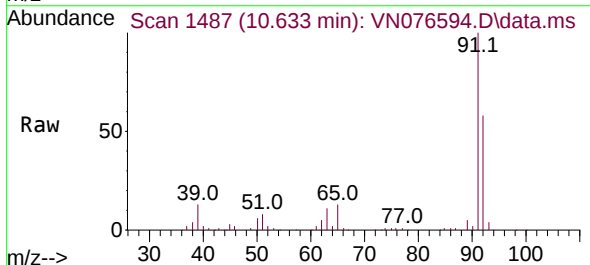
Tgt Ion:164 Resp: 57692
Ion Ratio Lower Upper
164 100
166 124.0 99.6 149.4
129 94.9 84.0 126.0
131 95.4 79.7 119.5

Manual Integrations
APPROVED

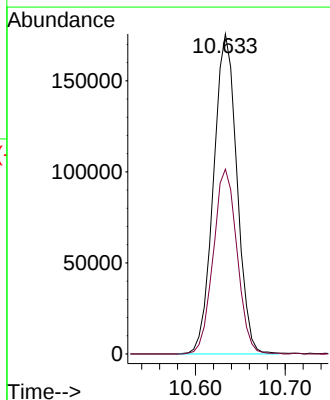
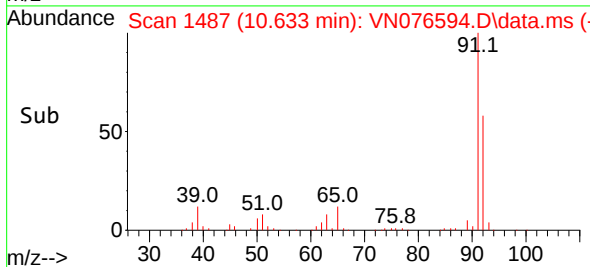
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

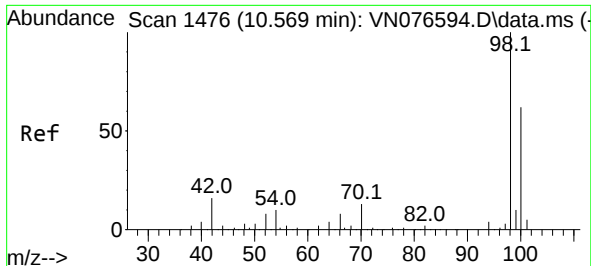


#62
Toluene
Concen: 20.090 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



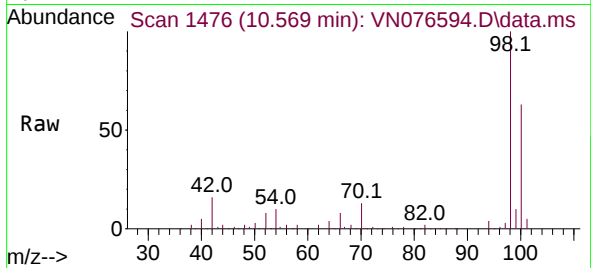
Tgt Ion: 91 Resp: 318585
Ion Ratio Lower Upper
91 100
92 58.5 46.0 69.0





#63
Toluene-d8
Concen: 30.476 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

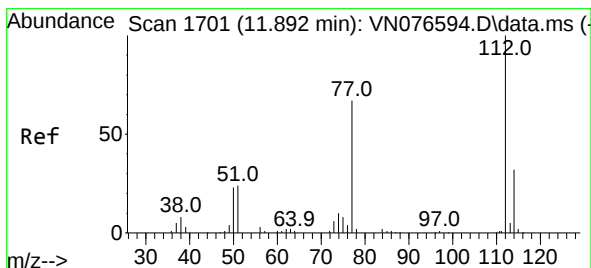
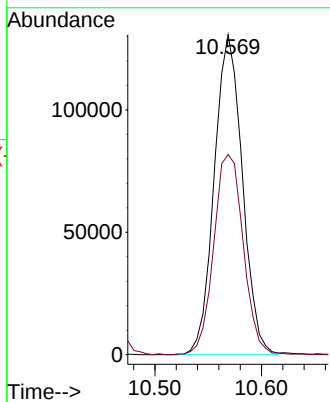
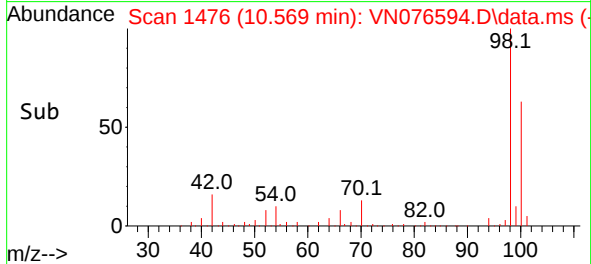
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 98 Resp: 23935
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1

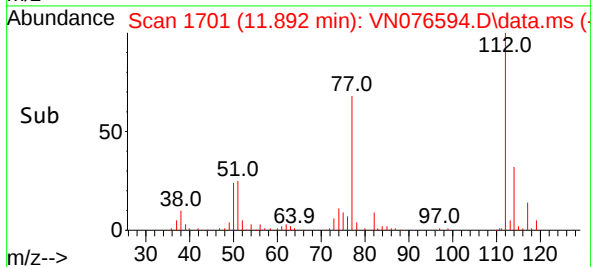
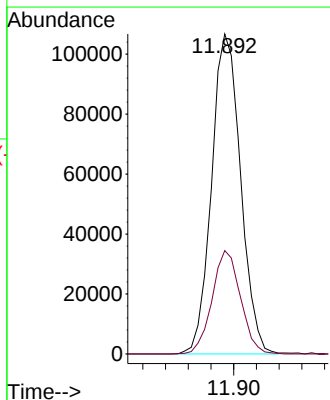
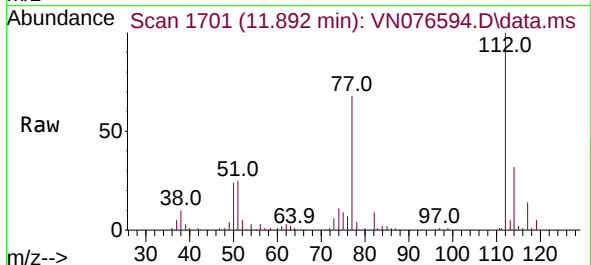
Manual Integrations
APPROVED

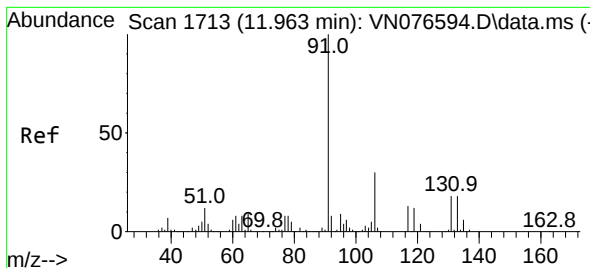
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#64
Chlorobenzene
Concen: 20.618 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion:112 Resp: 189405
Ion Ratio Lower Upper
112 100
114 32.2 24.7 37.1





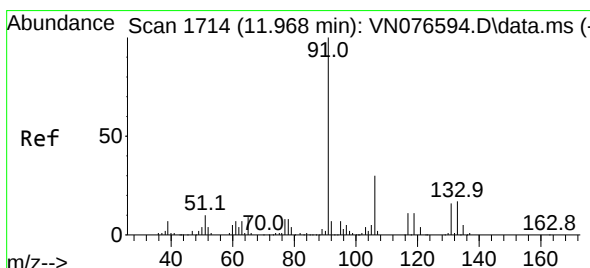
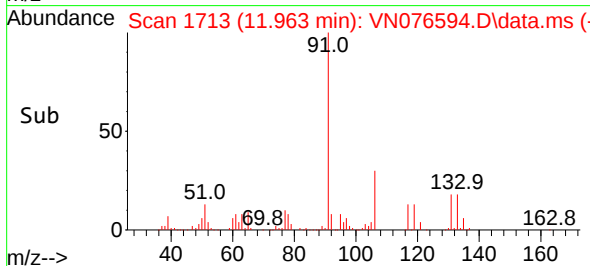
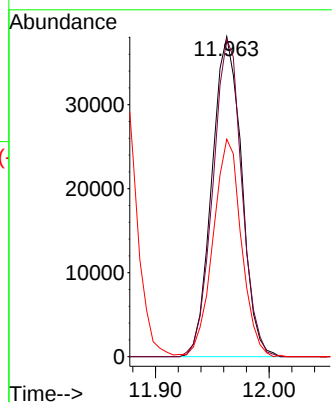
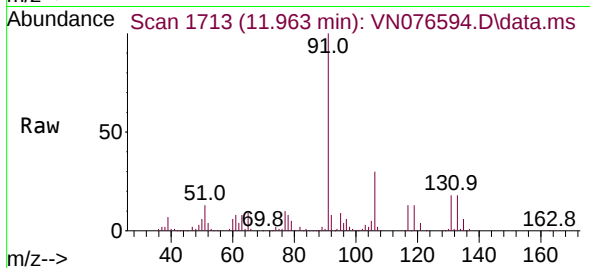
#65
1,1,1,2-Tetrachloroethane
Concen: 19.876 ug/l
RT: 11.963 min Scan# 1713
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:131 Resp: 6922
Ion Ratio Lower Upper
131 100
133 96.8 0.0 191.8
119 64.9 0.0 135.8

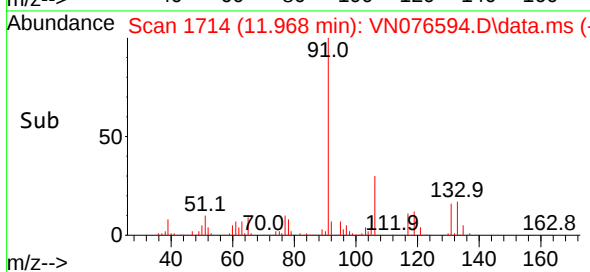
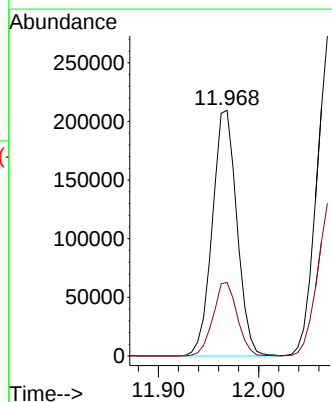
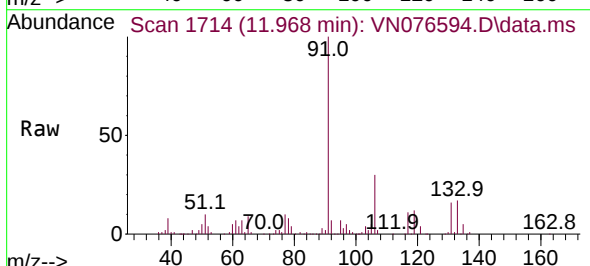
Manual Integrations
APPROVED

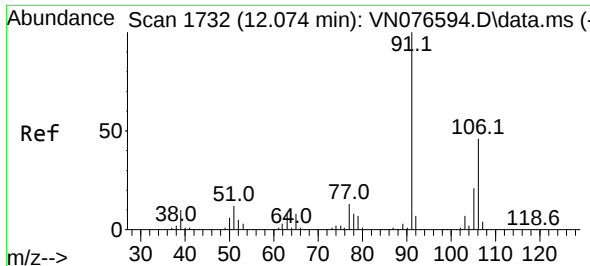
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#66
Ethyl Benzene
Concen: 20.543 ug/l
RT: 11.968 min Scan# 1714
Delta R.T. 0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion: 91 Resp: 357140
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1





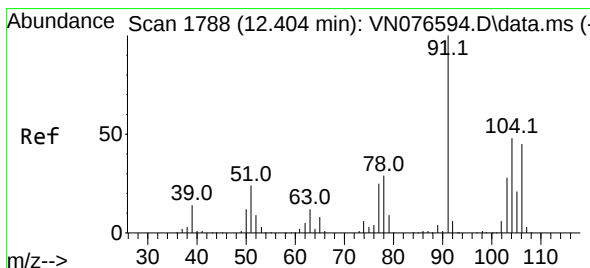
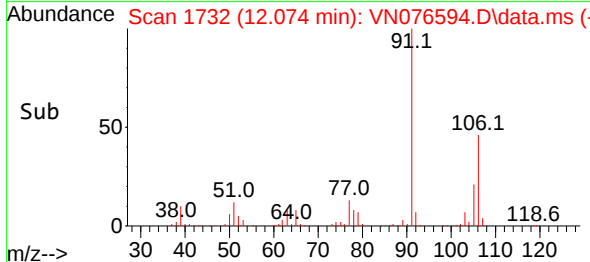
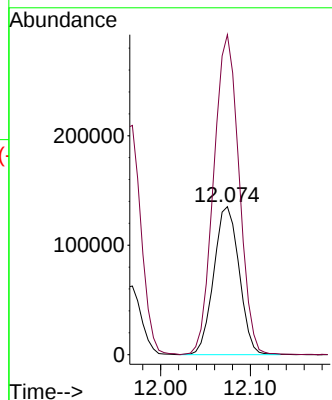
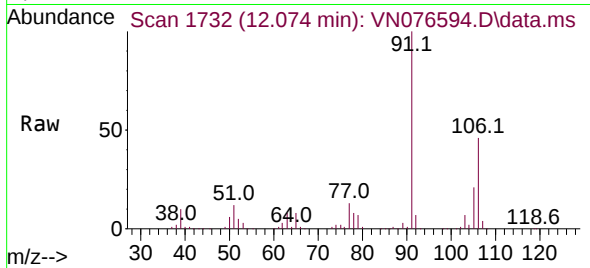
#67
m/p-Xylenes
Concen: 40.709 ug/l
RT: 12.074 min Scan# 1732
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 265540
Ion Ratio Lower Upper
106 100
91 216.5 164.2 246.4

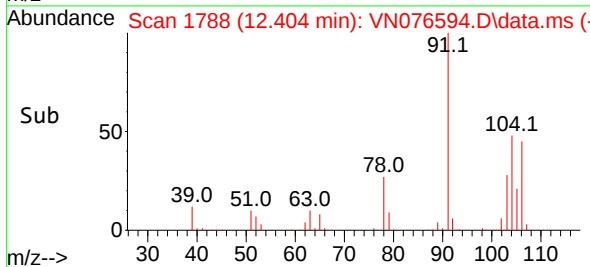
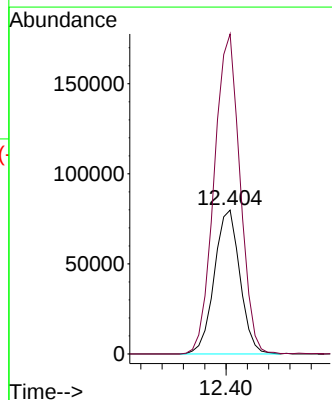
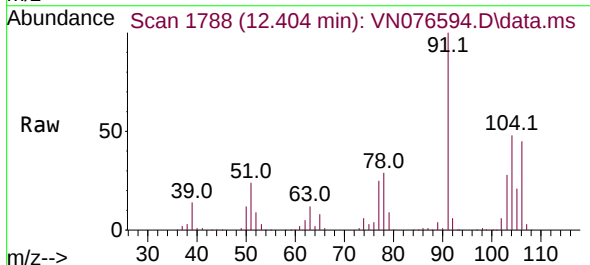
Manual Integrations
APPROVED

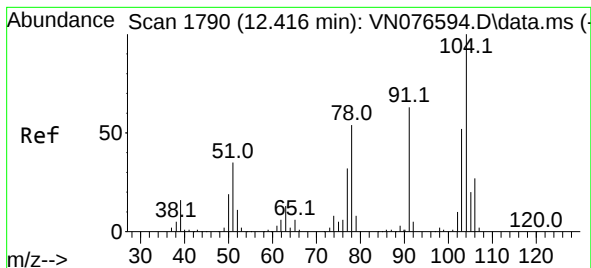
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#68
o-Xylene
Concen: 20.728 ug/l
RT: 12.404 min Scan# 1788
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion:106 Resp: 133202
Ion Ratio Lower Upper
106 100
91 224.5 108.5 325.5





#69

Styrene

Concen: 20.440 ug/l

RT: 12.416 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

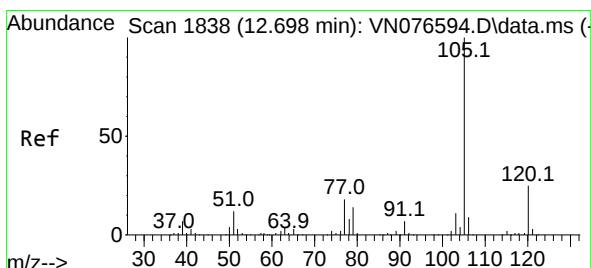
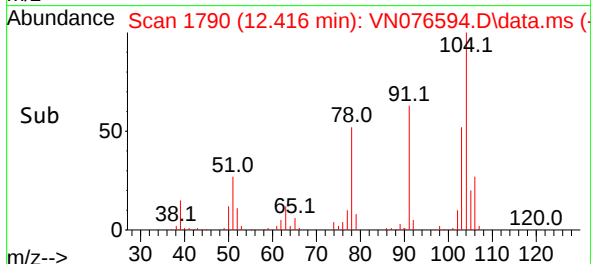
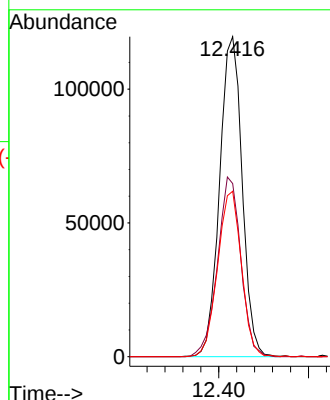
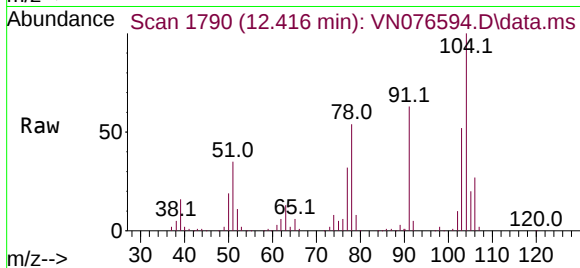
Tgt Ion:104 Resp: 208492
 Ion Ratio Lower Upper
 104 100
 78 58.2 39.9 59.9
 103 54.5 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#70

Isopropylbenzene

Concen: 19.847 ug/l

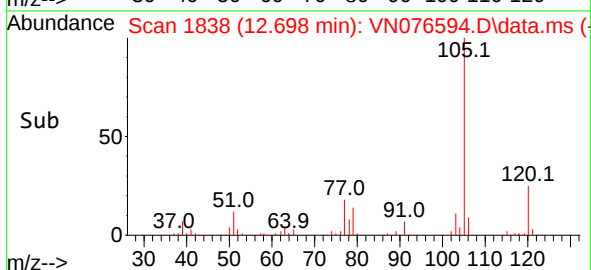
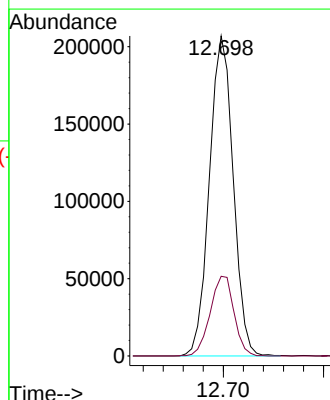
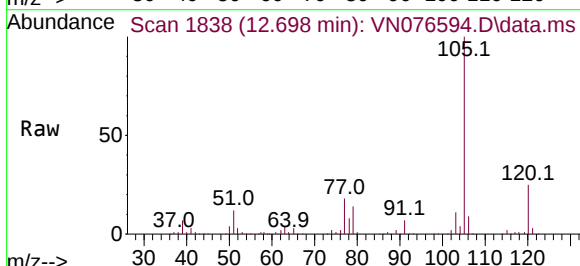
RT: 12.698 min Scan# 1838

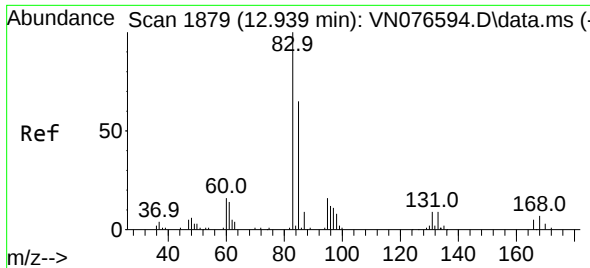
Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

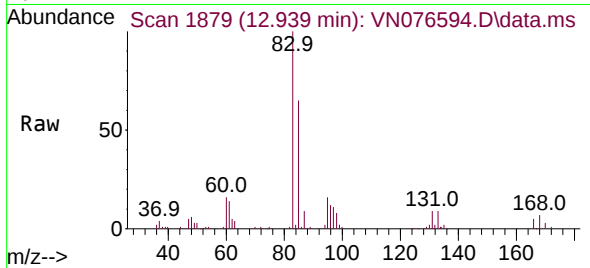
Tgt Ion:105 Resp: 341779
 Ion Ratio Lower Upper
 105 100
 120 24.9 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 18.381 ug/l
RT: 12.939 min Scan# 1879
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

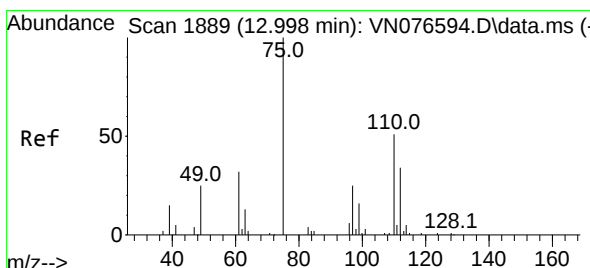
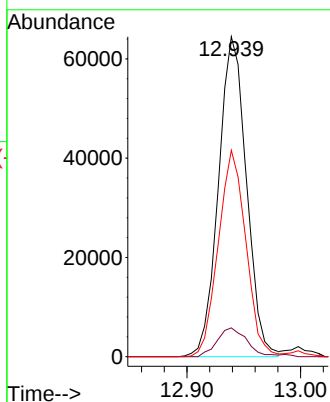
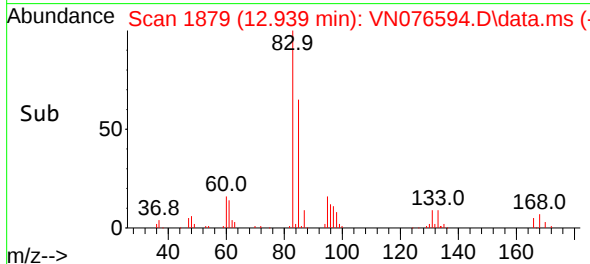
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 11035
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.5
85 63.4 30.9 92.7

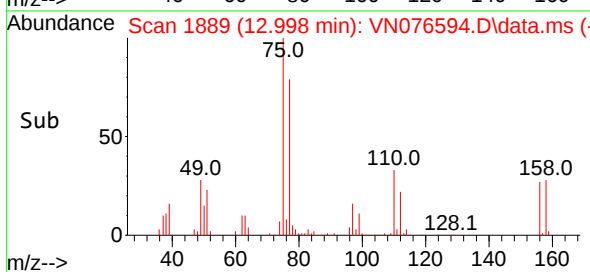
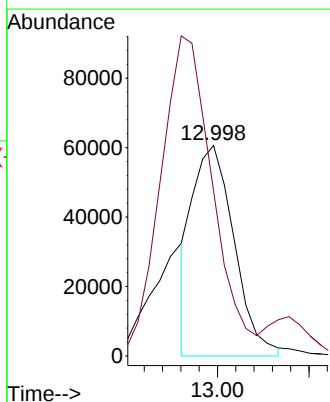
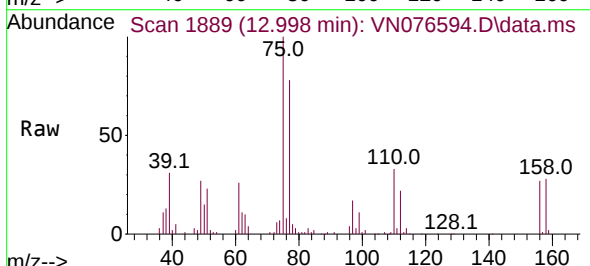
Manual Integrations
APPROVED

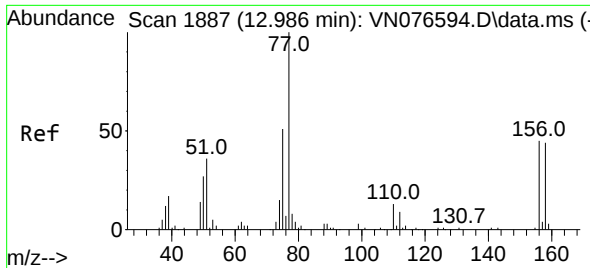
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#72
1,2,3-Trichloropropane
Concen: 17.512 ug/l m
RT: 12.998 min Scan# 1889
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

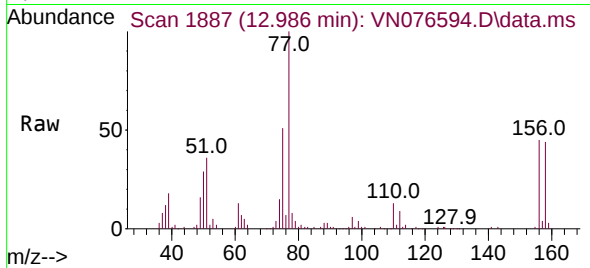
Tgt Ion: 75 Resp: 95748
Ion Ratio Lower Upper
75 100
77 190.2 0.0 372.4





#73
Bromobenzene
Concen: 18.172 ug/l
RT: 12.986 min Scan# 1887
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

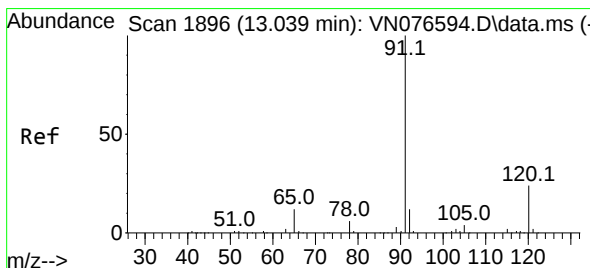
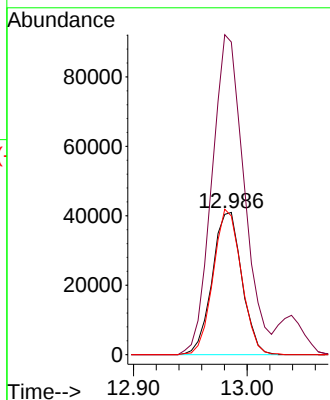
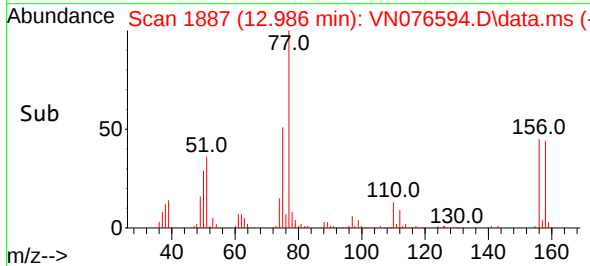
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



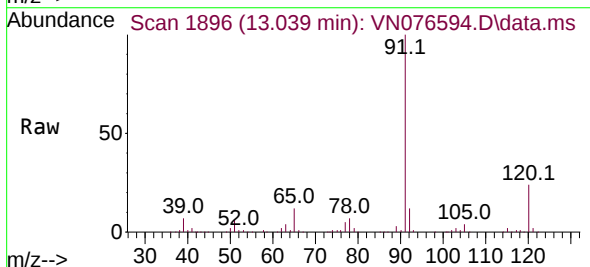
Tgt Ion:156 Resp: 74258
Ion Ratio Lower Upper
156 100
77 245.2 0.0 491.8
158 97.1 0.0 185.0

Manual Integrations
APPROVED

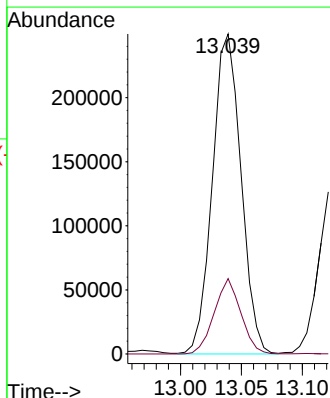
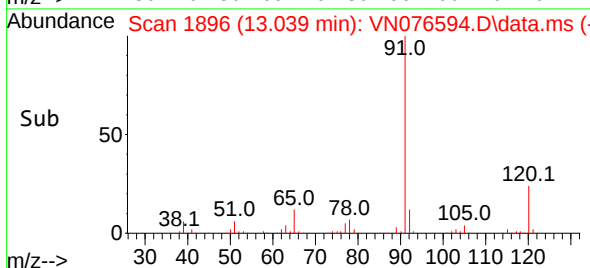
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

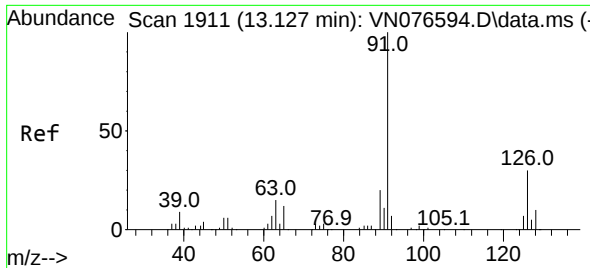


#74
n-propylbenzene
Concen: 18.490 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



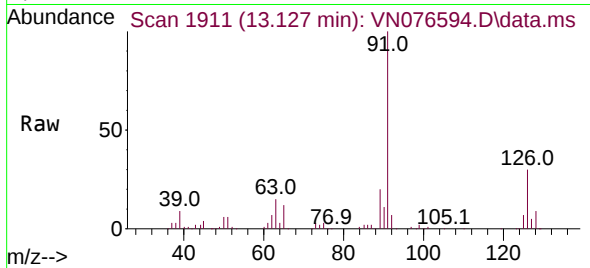
Tgt Ion: 91 Resp: 408394
Ion Ratio Lower Upper
91 100
120 21.8 0.0 44.6





#75
2-Chlorotoluene
Concen: 18.482 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

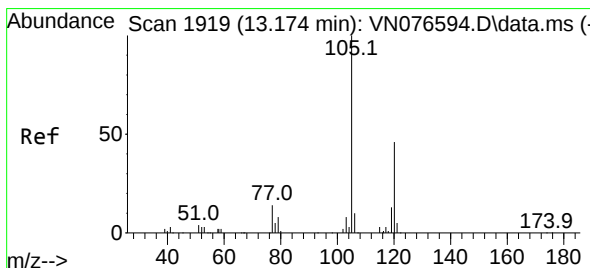
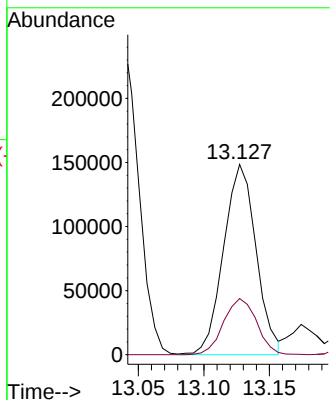
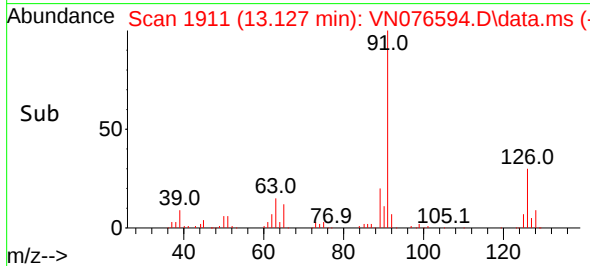
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 91 Resp: 256782
Ion Ratio Lower Upper
91 100
126 30.0 0.0 66.2

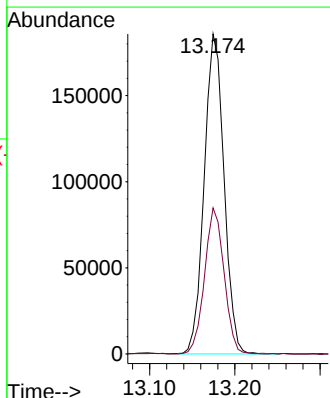
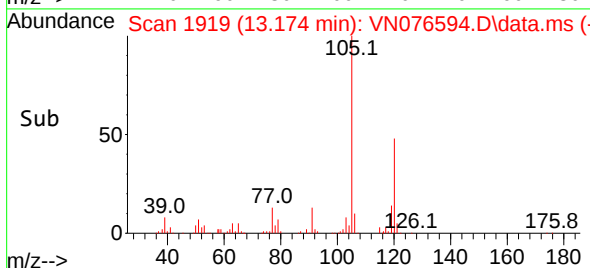
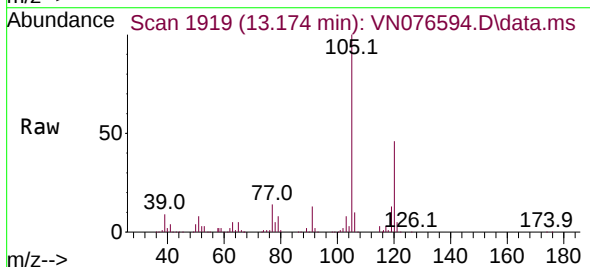
Manual Integrations
APPROVED

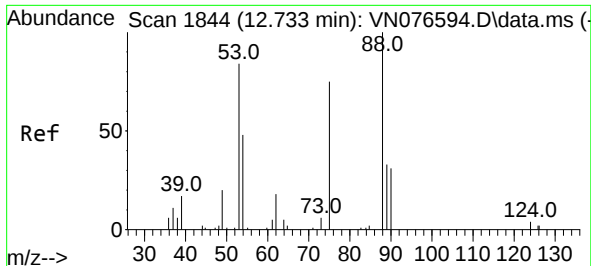
Reviewed By :John Carbone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#76
1,3,5-Trimethylbenzene
Concen: 18.661 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

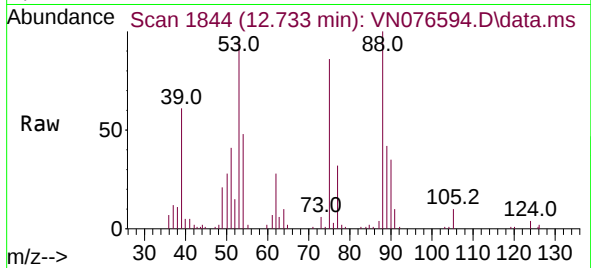
Tgt Ion:105 Resp: 300092
Ion Ratio Lower Upper
105 100
120 45.0 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 18.291 ug/l
RT: 12.733 min Scan# 1844
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

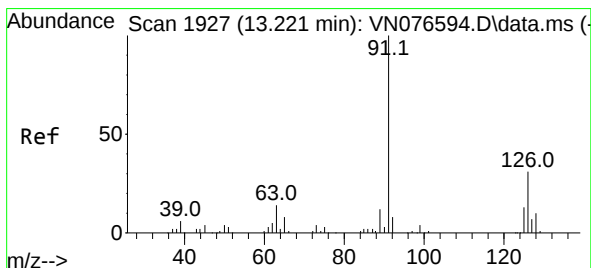
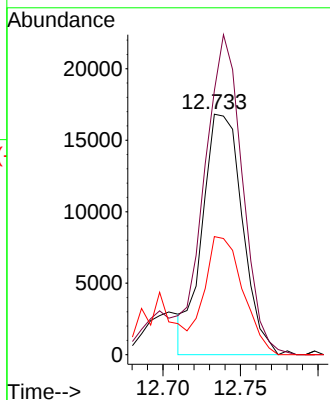
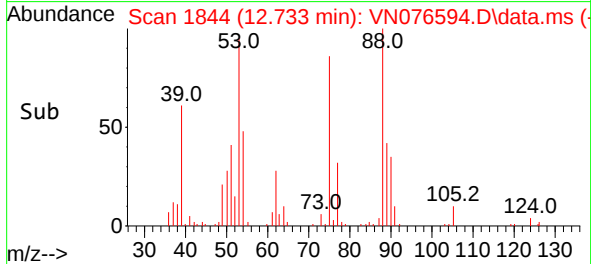
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 30254
Ion Ratio Lower Upper
75 100
53 107.6 43.3 129.9
89 49.1 21.1 63.1

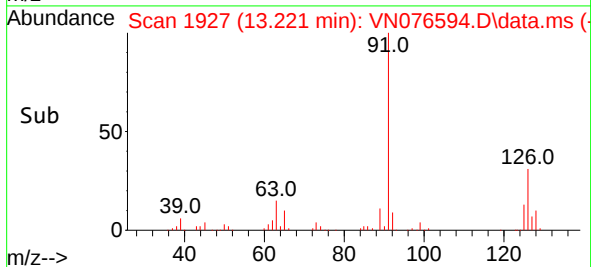
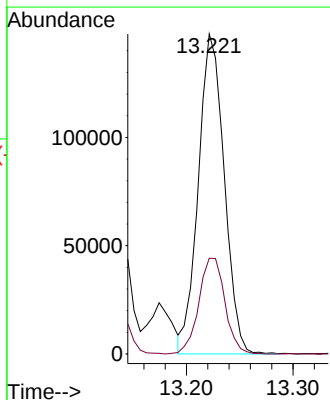
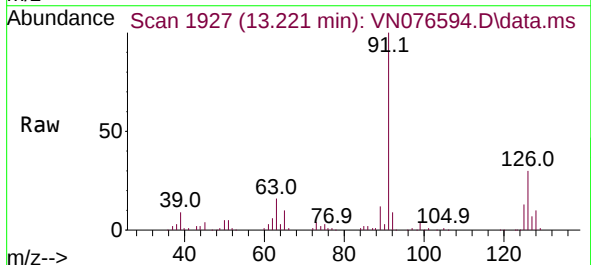
Manual Integrations
APPROVED

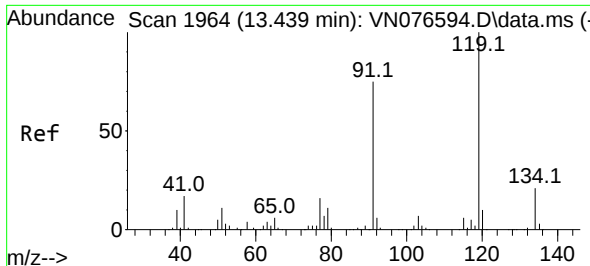
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#78
4-Chlorotoluene
Concen: 17.874 ug/l
RT: 13.221 min Scan# 1927
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

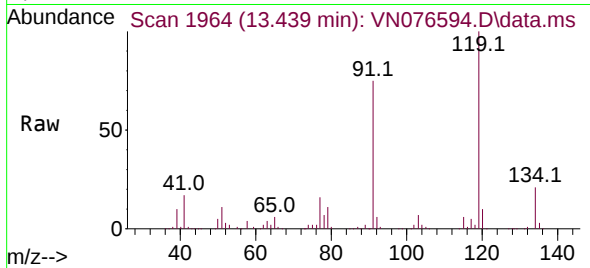
Tgt Ion: 91 Resp: 249695
Ion Ratio Lower Upper
91 100
126 30.2 0.0 67.8





#79
tert-butylbenzene
Concen: 18.973 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

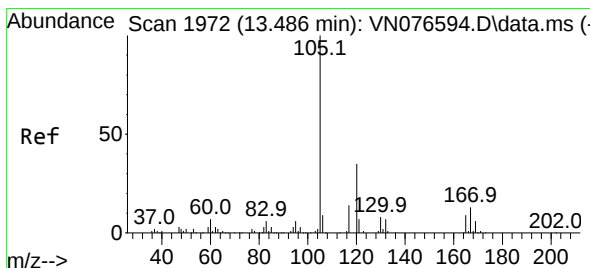
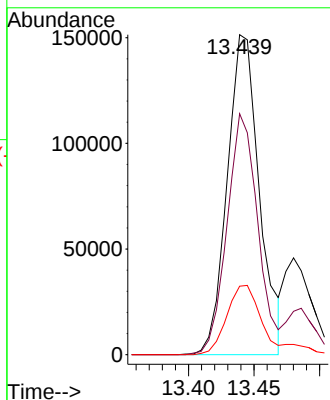
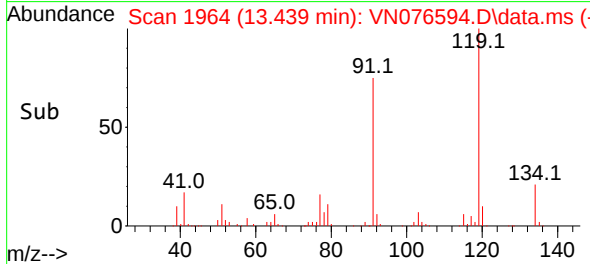
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



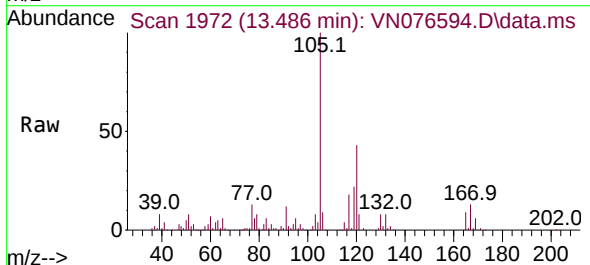
Tgt Ion:119 Resp: 258980
Ion Ratio Lower Upper
119 100
91 72.0 0.0 129.0
134 22.4 0.0 52.2

Manual Integrations
APPROVED

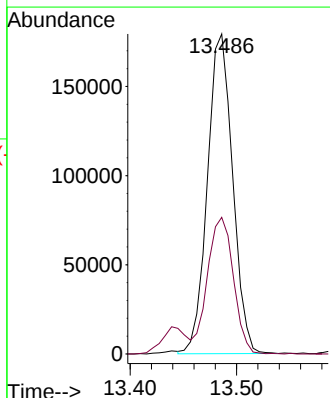
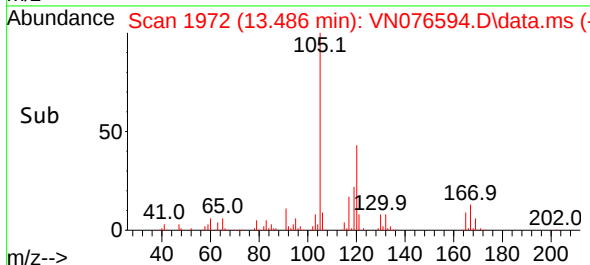
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

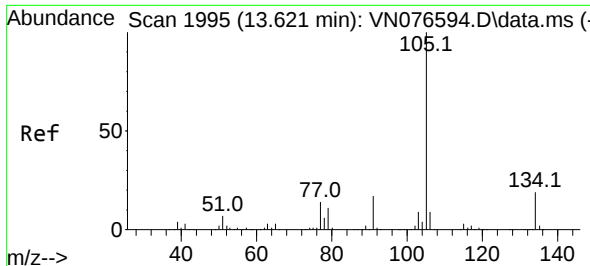


#80
1,2,4-Trimethylbenzene
Concen: 18.618 ug/l
RT: 13.486 min Scan# 1972
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



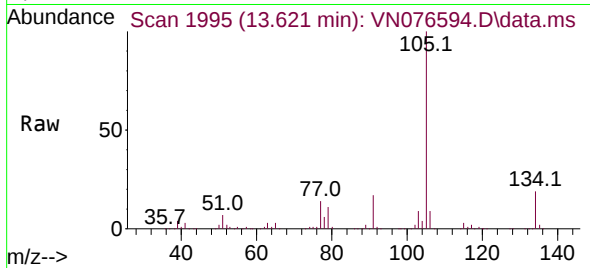
Tgt Ion:105 Resp: 295276
Ion Ratio Lower Upper
105 100
120 43.9 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 18.480 ug/l
 RT: 13.621 min Scan# 1995
 Delta R.T. 0.003 min
 Lab File: VN076594.D
 Acq: 09 Feb 2023 17:50

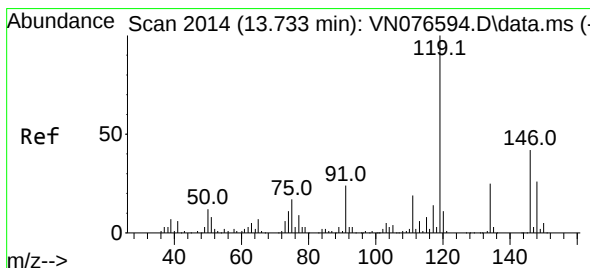
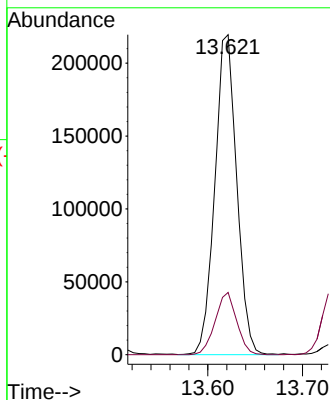
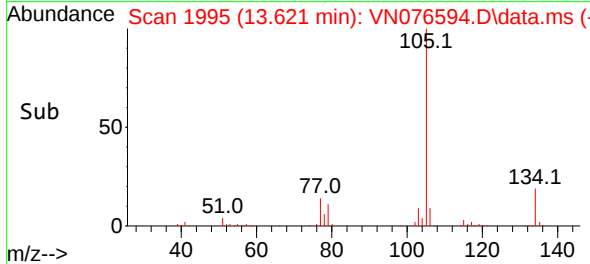
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



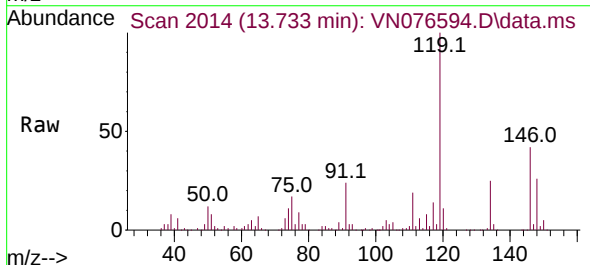
Tgt Ion:105 Resp: 353200
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 38.8

Manual Integrations
 APPROVED

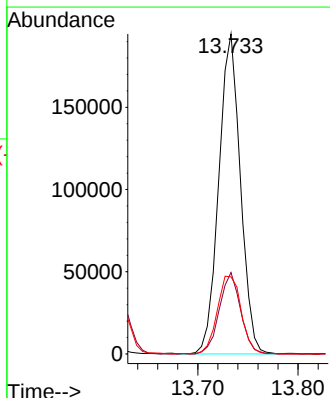
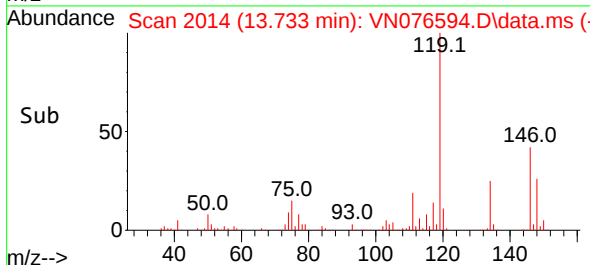
Reviewed By :John Carbone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023

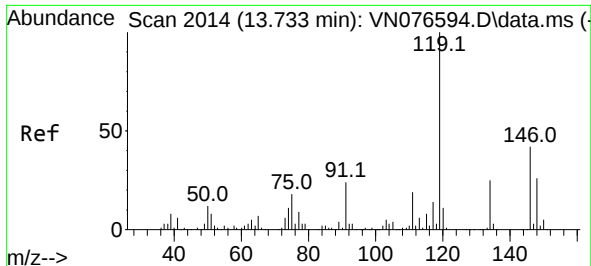


#82
 p-Isopropyltoluene
 Concen: 18.930 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076594.D
 Acq: 09 Feb 2023 17:50



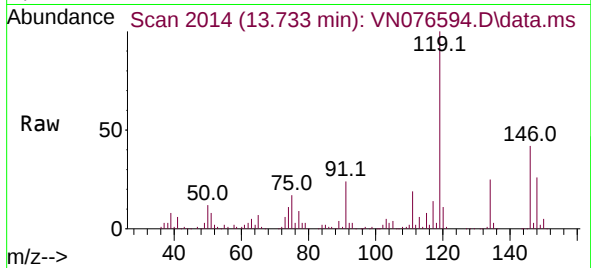
Tgt Ion:119 Resp: 290718
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 51.4
 91 26.9 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 18.385 ug/l
RT: 13.733 min Scan# 2014
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

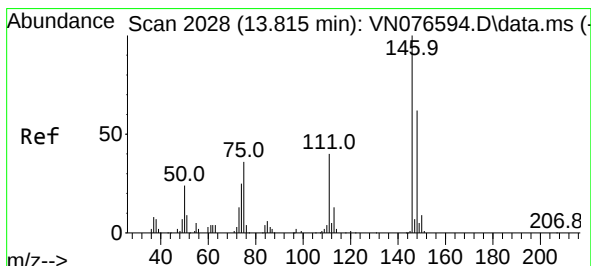
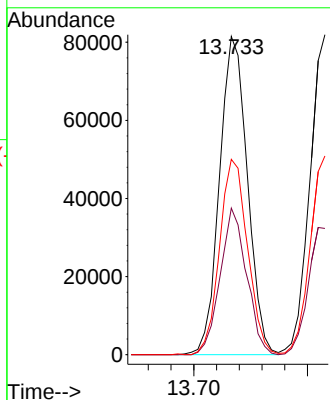
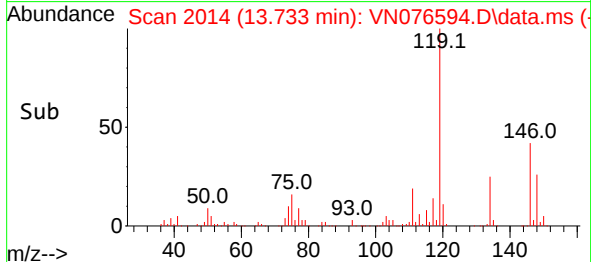
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



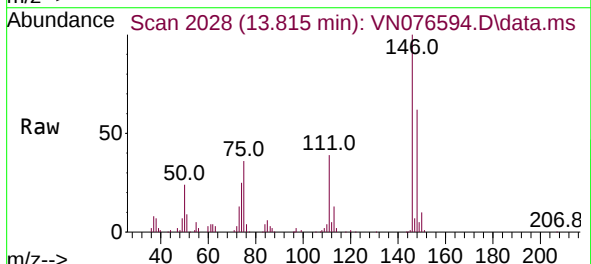
Tgt Ion:146 Resp: 138960
Ion Ratio Lower Upper
146 100
111 43.6 20.5 61.5
148 61.6 31.0 93.0

Manual Integrations
APPROVED

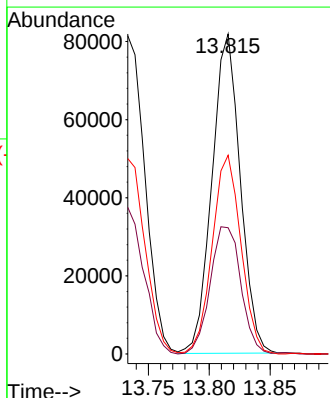
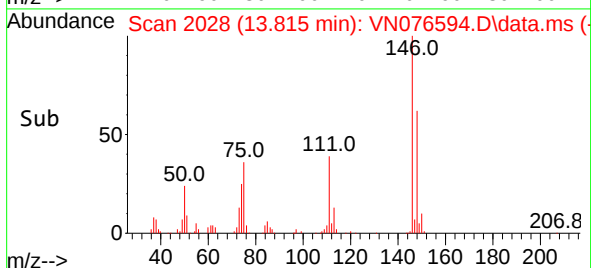
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

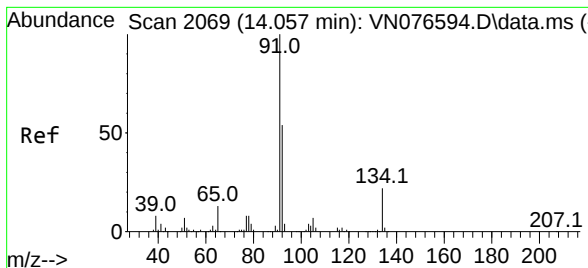


#84
1,4-Dichlorobenzene
Concen: 17.557 ug/l
RT: 13.815 min Scan# 2028
Delta R.T. 0.003 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



Tgt Ion:146 Resp: 132391
Ion Ratio Lower Upper
146 100
111 43.1 19.1 57.5
148 63.1 31.7 95.1





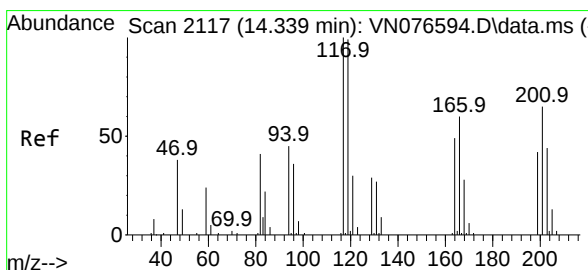
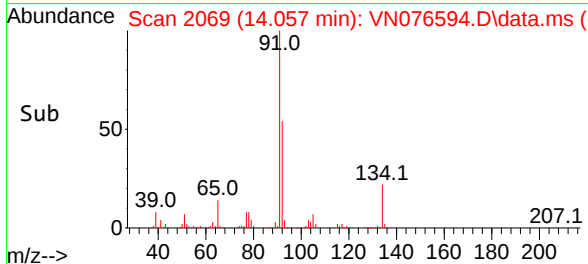
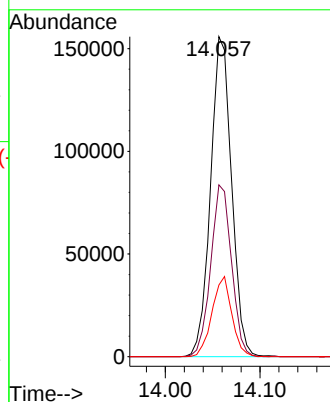
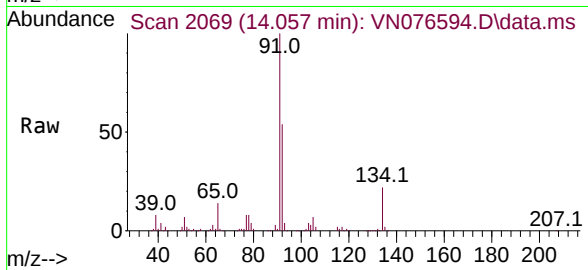
#85
n-Butylbenzene
Concen: 16.891 ug/l
RT: 14.057 min Scan# 2069
Delta R.T. -0.002 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 24088
Ion Ratio Lower Upper
91 100
92 53.1 0.0 105.4
134 23.6 0.0 46.4

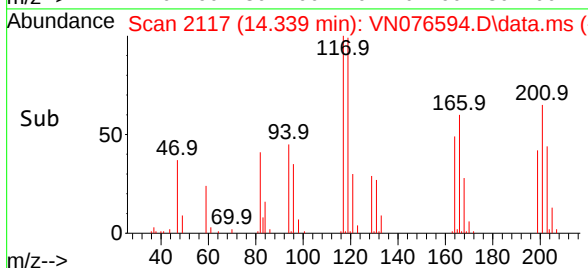
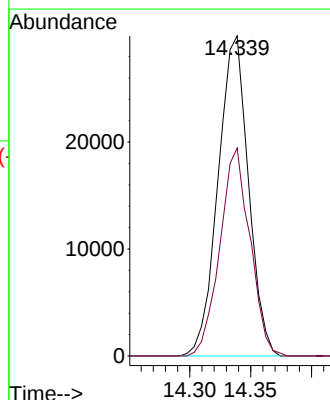
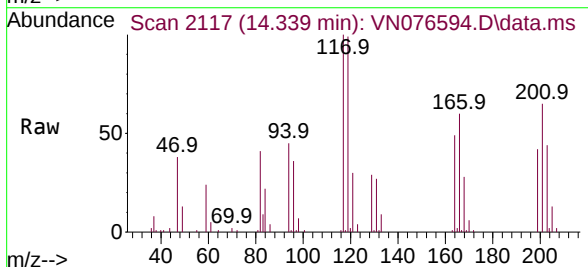
Manual Integrations
APPROVED

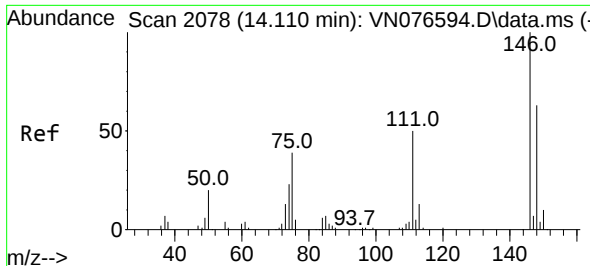
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#86
Hexachloroethane
Concen: 17.442 ug/l
RT: 14.339 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

Tgt Ion:117 Resp: 52010
Ion Ratio Lower Upper
117 100
201 64.4 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 16.650 ug/l

RT: 14.110 min Scan# 2078

Delta R.T. 0.004 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:146 Resp: 138139

Ion Ratio Lower Upper

146 100

111 45.8 21.4 64.2

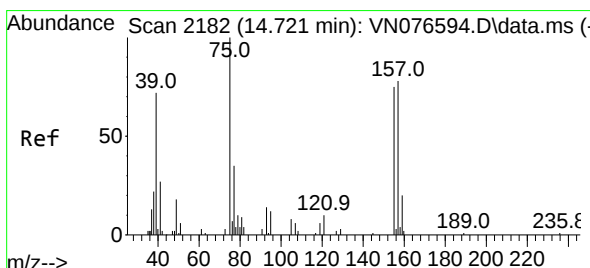
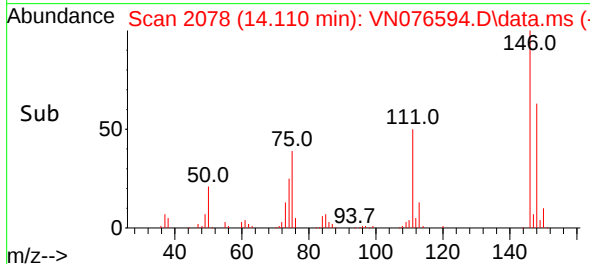
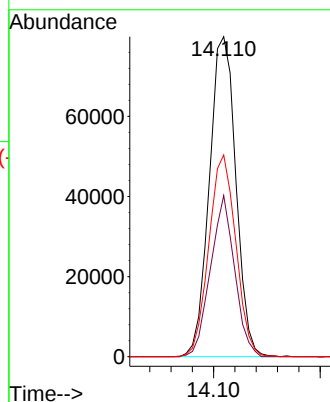
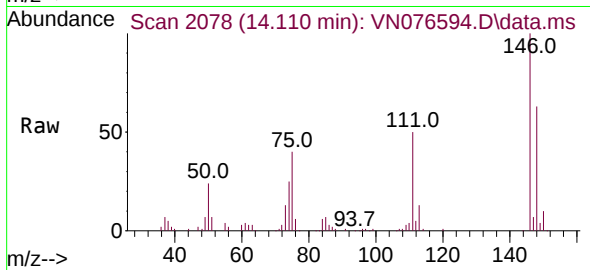
148 64.0 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.073 ug/l

RT: 14.721 min Scan# 2182

Delta R.T. 0.004 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

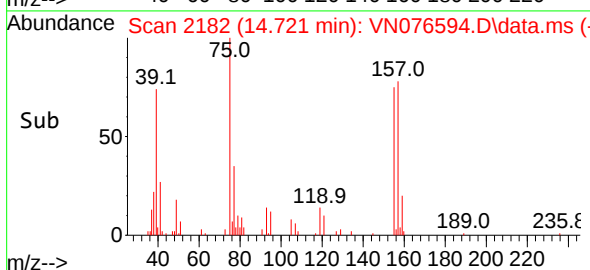
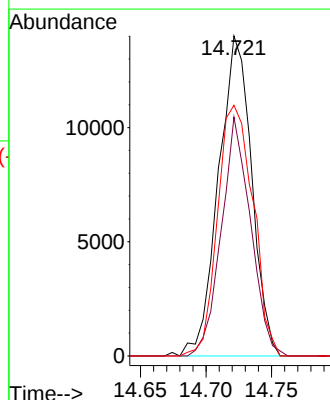
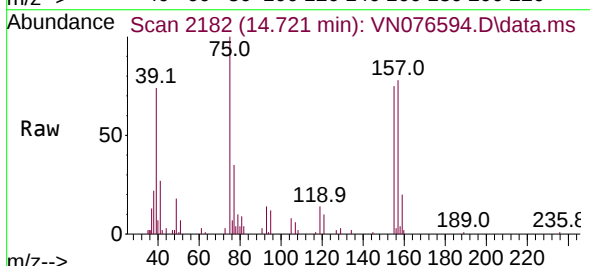
Tgt Ion: 75 Resp: 24567

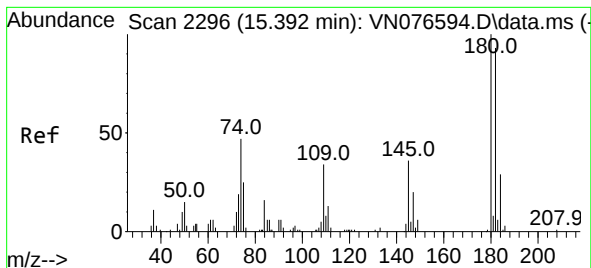
Ion Ratio Lower Upper

75 100

155 66.1 66.3 99.5#

157 83.8 84.3 126.5#





#89

1,2,4-Trichlorobenzene

Concen: 19.806 ug/l

RT: 15.392 min Scan# 21

Delta R.T. -0.002 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

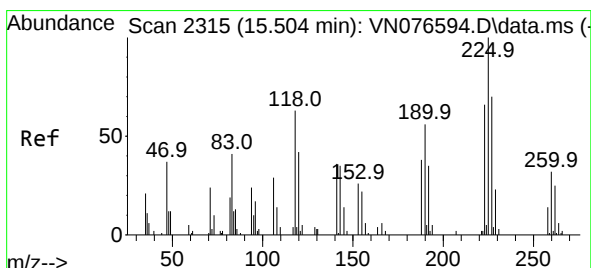
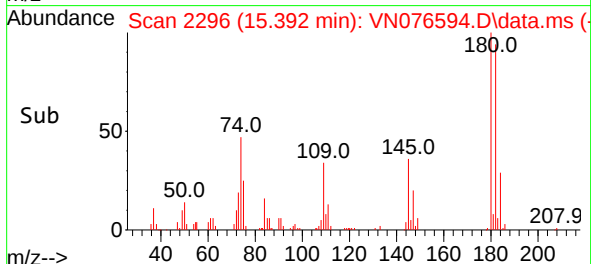
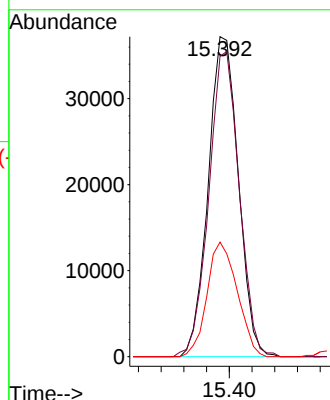
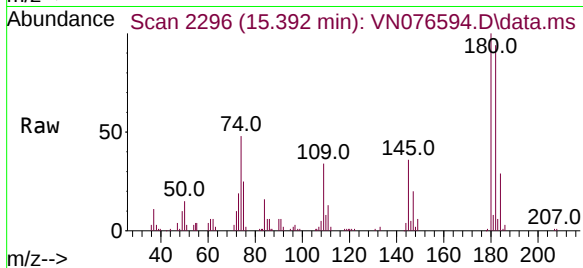
Tgt Ion:180	Resp:	68534
Ion Ratio	Lower	Upper
180	100	
182	95.9	74.9 112.3
145	35.9	26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#90

Hexachlorobutadiene

Concen: 20.332 ug/l

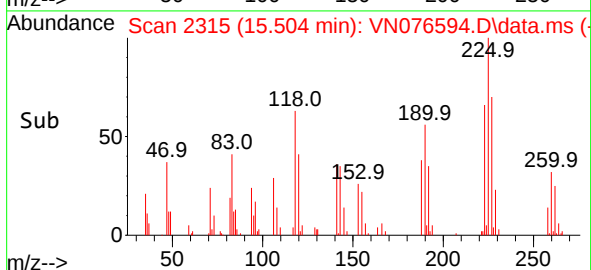
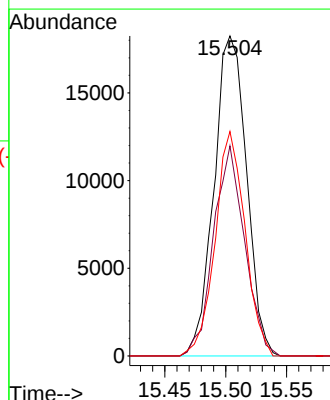
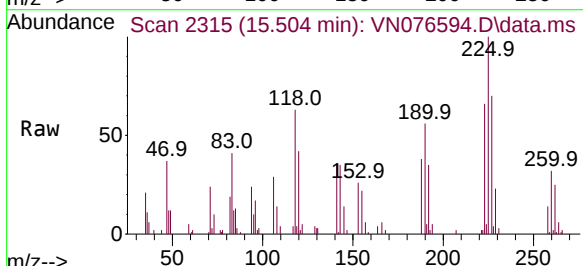
RT: 15.504 min Scan# 2315

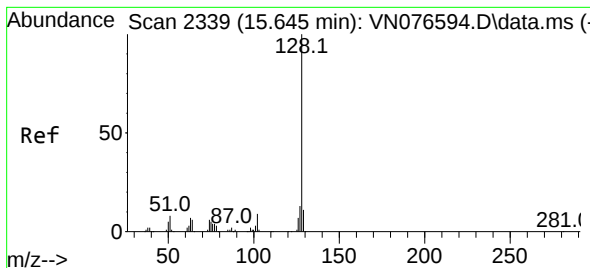
Delta R.T. 0.004 min

Lab File: VN076594.D

Acq: 09 Feb 2023 17:50

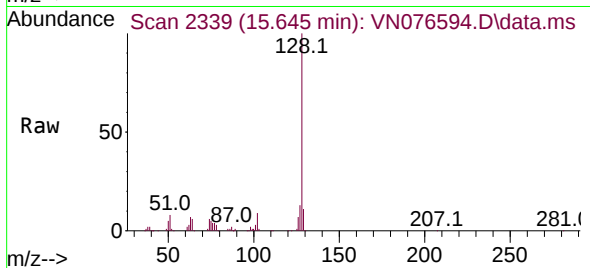
Tgt Ion:225	Resp:	33988
Ion Ratio	Lower	Upper
225	100	
223	62.7	0.0 125.0
227	64.5	0.0 123.0





#91
Naphthalene
Concen: 20.466 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50

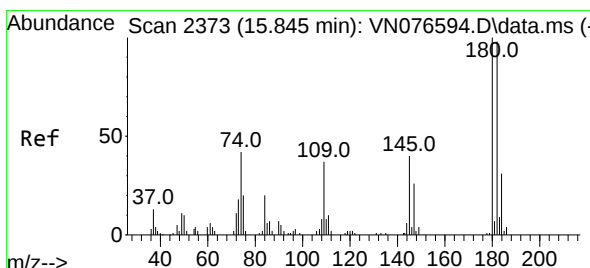
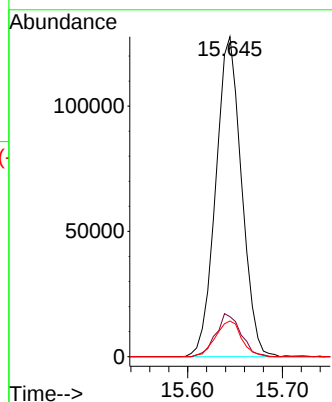
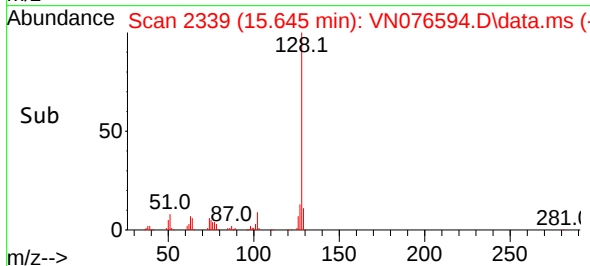
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



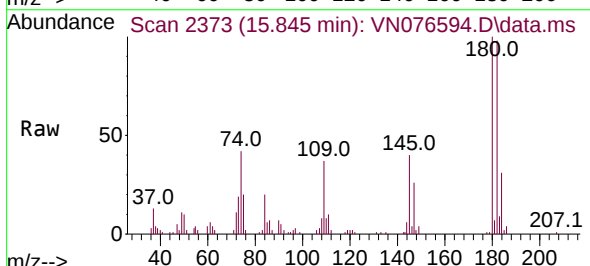
Tgt Ion:128 Resp: 241619
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.3 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#92
1,2,3-Trichlorobenzene
Concen: 20.263 ug/l
RT: 15.845 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN076594.D
Acq: 09 Feb 2023 17:50



Tgt Ion:180 Resp: 69979
Ion Ratio Lower Upper
180 100
182 92.6 0.0 185.4
145 37.0 0.0 68.6

