

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020923\
 Data File : VN076597.D
 Acq On : 09 Feb 2023 19:02
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Feb 10 05:14:45 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	7.816	128	28790	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.104	114	206824	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	234624	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.580	65	99212	29.238	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.467%		
60) 4-Bromofluorobenzene	12.851	95	153011	28.887	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.300%		
63) Toluene-d8	10.568	98	246171	28.575	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.267%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.140	85	586565	147.200	ug/l	99
3) Chloromethane	2.375	50	607621	126.816	ug/l	99
4) Vinyl Chloride	2.528	62	501060	119.770	ug/l	98
5) Bromomethane	2.922	94	198904	94.702	ug/l	91
6) Chloroethane	3.104	64	274536	147.430	ug/l	92
7) Trichlorofluoromethane	3.498	101	962213	135.450	ug/l	95
8) Diethyl Ether	3.969	74	334134	148.296	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.375	101	483706	141.455	ug/l	98
10) 1,1-Dichloroethene	4.345	96	455887	141.867	ug/l #	75
11) Methyl Iodide	4.592	142	701499	150.129	ug/l	85
12) Methyl Acetate	5.034	43	972561	144.221	ug/l	93
13) Acrolein	4.186	56	681046	788.485	ug/l	99
14) Acrylonitrile	5.728	53	1448643	733.237	ug/l	99
15) Acetone	4.439	58	376209m	659.861	ug/l	
16) Carbon Disulfide	4.716	76	1340553	151.791	ug/l	99
17) Allyl chloride	5.034	41	923213	149.024	ug/l	93
18) Methylene Chloride	5.281	84	529372	139.214	ug/l	91
19) trans-1,2-Dichloroethene	5.792	96	485751	147.084	ug/l	88
20) Diisopropyl ether	6.680	45	1900313	134.382	ug/l	93
21) 1,1-Dichloroethane	6.575	63	1017496	131.948	ug/l	99
22) cis-1,2-Dichloroethene	7.492	96	560279	141.644	ug/l	90
23) tert-Butyl Alcohol	5.533	59	538994	813.004	ug/l #	100
24) Methyl tert-Butyl Ether	5.804	73	1759931	152.016	ug/l	94
25) Chloroform	7.969	83	1022343	133.983	ug/l	97
26) Cyclohexane	8.263	56	936671	136.882	ug/l #	96
29) 1,1-Dichloropropene	8.380	75	769691	143.774	ug/l	95
30) 2-Butanone	7.492	43	2050483	709.585	ug/l	96
31) 2,2-Dichloropropane	7.498	77	851103	153.121	ug/l	94
32) 1,1,1-Trichloroethane	8.174	97	951198	143.206	ug/l	98
33) Carbon Tetrachloride	8.369	117	822268	143.487	ug/l	97
34) Benzene	8.610	78	2118315	128.779	ug/l #	92
35) Methacrylonitrile	7.786	41	486169	146.321	ug/l	90
36) 1,2-Dichloroethane	8.674	62	899797	142.647	ug/l #	95
37) Trichloroethene	9.357	130	502052	149.070	ug/l	90
38) Methylcyclohexane	9.604	83	914756	154.376	ug/l	92
39) 1,2-Dichloropropane	9.627	63	565242	143.993	ug/l	97
40) Dibromomethane	9.710	93	377749	146.274	ug/l	96
41) Bromodichloromethane	9.892	83	827469	152.391	ug/l #	97
42) Vinyl Acetate	6.610	43	6916605m	736.286	ug/l	

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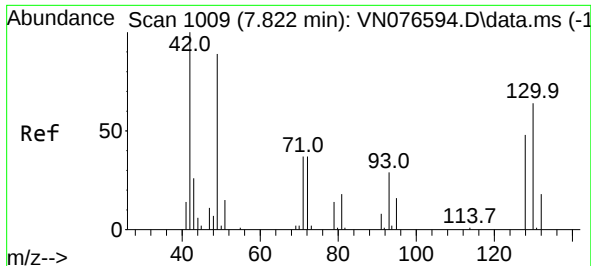
Manual Integrations
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Reviewed By : John Carlone 02/10/2023
 Supervised By : Semsettin Yesilyurt 02/10/2023

Quant Time: Feb 10 05:14:45 2023
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 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)
43) Ethyl Acetate	7.569	43	852685	144.726	ug/l	96
44) Isopropyl Acetate	8.692	43	1434516	148.002	ug/l	99
45) 1,4-Dioxane	9.698	88	237766	3009.245	ug/l	91
46) Methyl methacrylate	9.686	41	714104	152.806	ug/l	87
47) n-amyl Acetate	12.498	43	1385209	168.137	ug/l	98
48) t-1,3-Dichloropropene	10.839	75	916288	167.637	ug/l	98
49) cis-1,3-Dichloropropene	10.316	75	951556	157.484	ug/l #	86
50) 1,1,2-Trichloroethane	11.015	97	507058	144.576	ug/l	96
51) Ethyl methacrylate	10.874	69	907521	162.961	ug/l	92
52) 1,3-Dichloropropane	11.168	76	943870	144.374	ug/l	99
53) Dibromochloromethane	11.363	129	589768	161.831	ug/l	95
54) 1,2-Dibromoethane	11.474	107	535530	150.898	ug/l	99
55) 2-Chloroethyl vinyl ether	10.163	63	2047243	804.819	ug/l	98
56) Bromoform	12.580	173	400350	170.570	ug/l	99
58) 4-Methyl-2-Pentanone	10.451	43	4221139	643.578	ug/l	96
59) 2-Hexanone	11.198	43	3178115	666.436	ug/l	95
61) Tetrachloroethene	11.104	164	398204	132.772	ug/l	96
62) Toluene	10.633	91	2252094	129.466	ug/l	98
64) Chlorobenzene	11.892	112	1381220	137.067	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.962	131	511458	133.879	ug/l	98
66) Ethyl Benzene	11.968	91	2635467	138.199	ug/l	100
67) m/p-Xylenes	12.074	106	1970896	275.454	ug/l	94
68) o-Xylene	12.398	106	967883	137.306	ug/l	95
69) Styrene	12.415	104	1633463	145.990	ug/l	95
70) Isopropylbenzene	12.698	105	2619916	138.691	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.939	83	799687	121.423	ug/l	98
72) 1,2,3-Trichloropropane	12.998	75	716703m	119.497	ug/l	
73) Bromobenzene	12.980	156	562183	125.420	ug/l	97
74) n-propylbenzene	13.039	91	3222852	133.023	ug/l	98
75) 2-Chlorotoluene	13.127	91	1931664	126.747	ug/l	94
76) 1,3,5-Trimethylbenzene	13.174	105	2300466	130.412	ug/l	97
77) t-1,4-Dichloro-2-butene	12.739	75	282836	155.890	ug/l	79
78) 4-Chlorotoluene	13.221	91	1976772	128.998	ug/l	94
79) tert-butylbenzene	13.439	119	1974165	131.850	ug/l	91
80) 1,2,4-Trimethylbenzene	13.486	105	2276591	130.863	ug/l	97
81) sec-Butylbenzene	13.621	105	2857120	136.277	ug/l	100
82) p-Isopropyltoluene	13.733	119	2393694	142.093	ug/l	96
83) 1,3-Dichlorobenzene	13.739	146	1097511	132.377	ug/l	95
84) 1,4-Dichlorobenzene	13.815	146	1120186	135.425	ug/l	96
85) n-Butylbenzene	14.056	91	2277305	145.575	ug/l	98
86) Hexachloroethane	14.339	117	444878	136.010	ug/l	94
87) 1,2-Dichlorobenzene	14.109	146	1096475	120.478	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.721	75	199915	148.910	ug/l	82
89) 1,2,4-Trichlorobenzene	15.398	180	612258	161.305	ug/l	98
90) Hexachlorobutadiene	15.503	225	283570	154.647	ug/l	98
91) Naphthalene	15.645	128	2146528	165.748	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	600218	158.438	ug/l	97

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



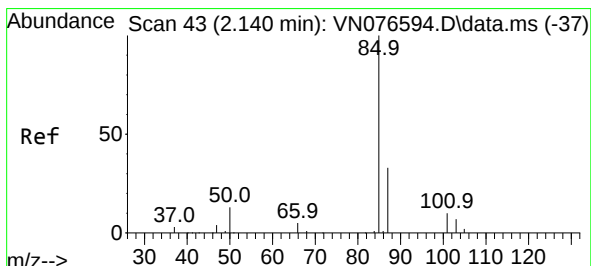
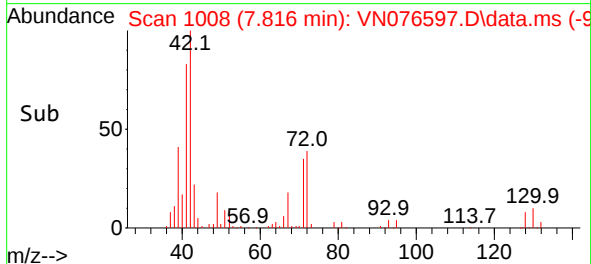
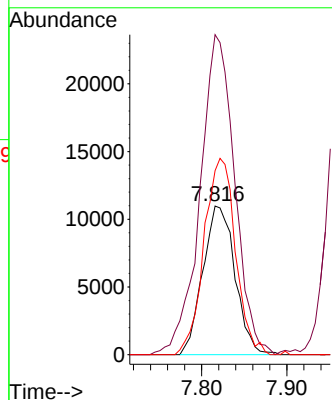
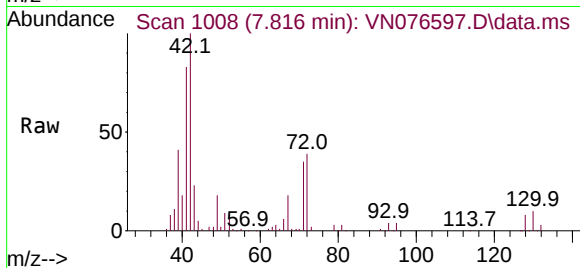
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.816 min Scan# 1008
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

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MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 28790
Ion Ratio Lower Upper
128 100
49 231.9 0.0 492.0
130 129.2 0.0 313.3

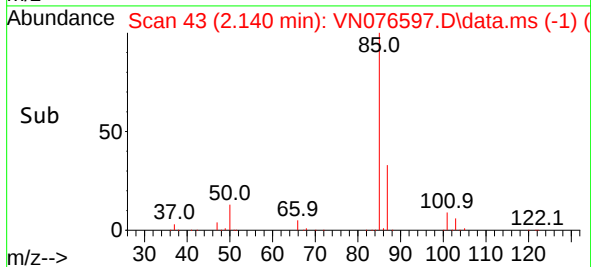
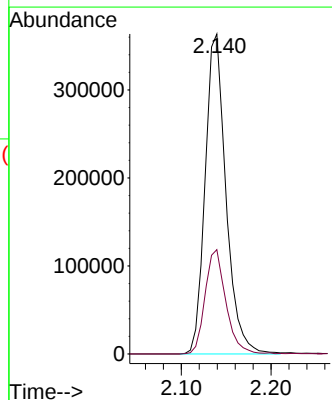
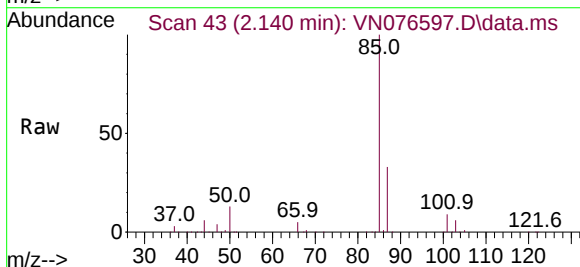
Manual Integrations
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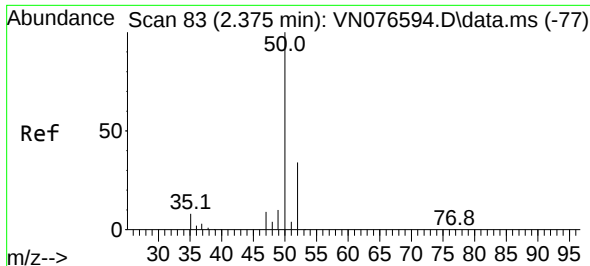
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#2
Dichlorodifluoromethane
Concen: 147.200 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

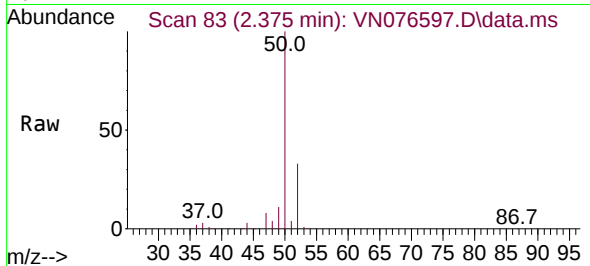
Tgt Ion: 85 Resp: 586565
Ion Ratio Lower Upper
85 100
87 32.6 16.7 50.1





#3
Chloromethane
Concen: 126.816 ug/l
RT: 2.375 min Scan# 83
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

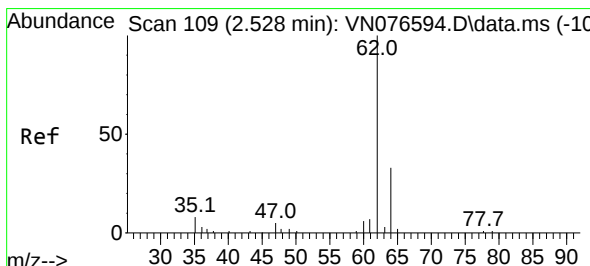
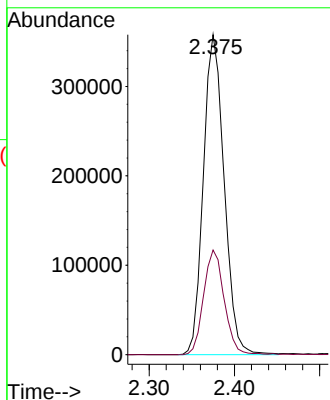
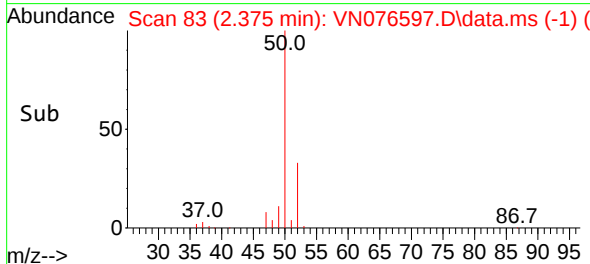
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



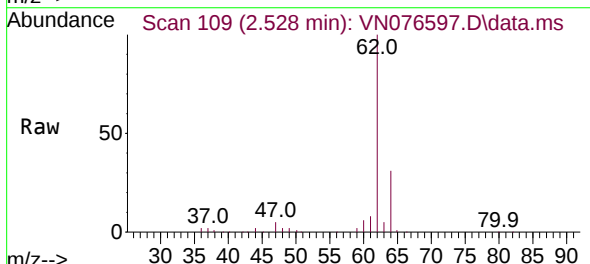
Tgt Ion: 50 Resp: 60762
Ion Ratio Lower Upper
50 100
52 32.7 25.5 38.3

Manual Integrations
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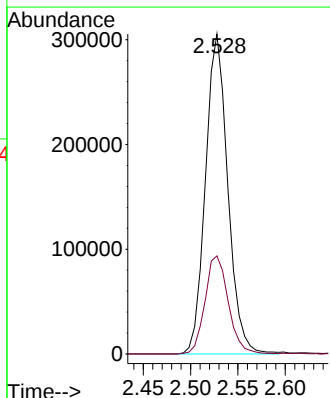
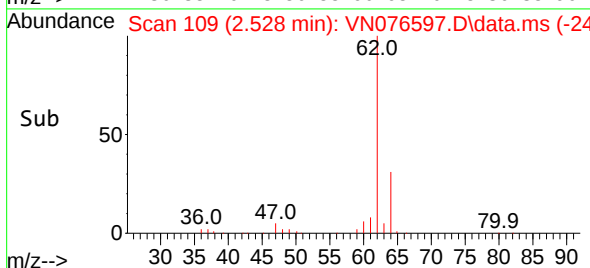
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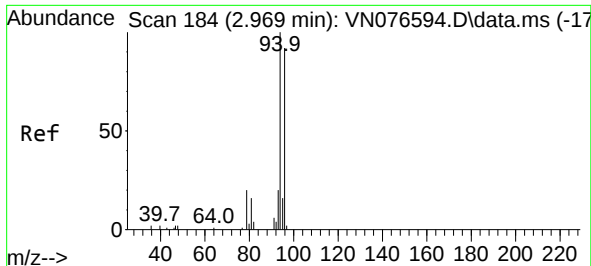


#4
Vinyl Chloride
Concen: 119.770 ug/l
RT: 2.528 min Scan# 109
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



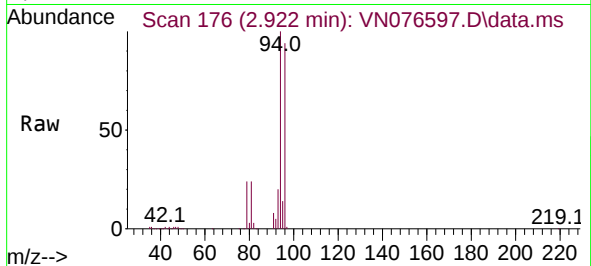
Tgt Ion: 62 Resp: 501060
Ion Ratio Lower Upper
62 100
64 30.7 25.6 38.4





#5
Bromomethane
Concen: 94.702 ug/l
RT: 2.922 min Scan# 11
Delta R.T. -0.026 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

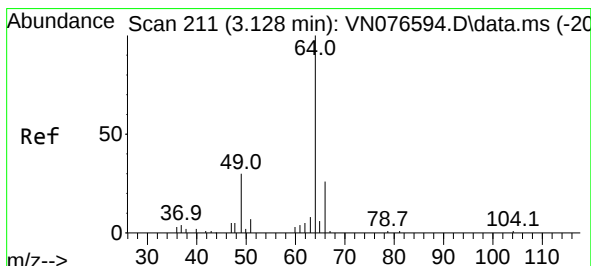
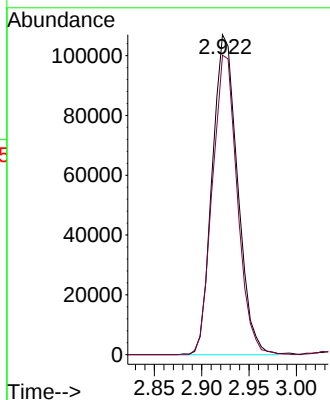
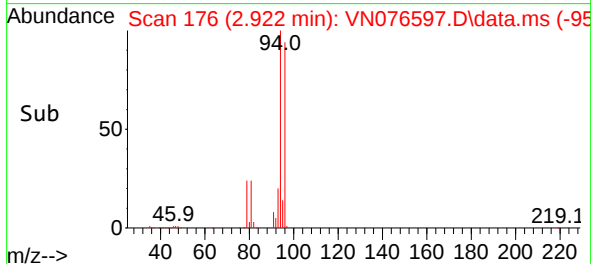
Instrument :
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ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 198904
Ion Ratio Lower Upper
94 100
96 93.6 68.3 102.5

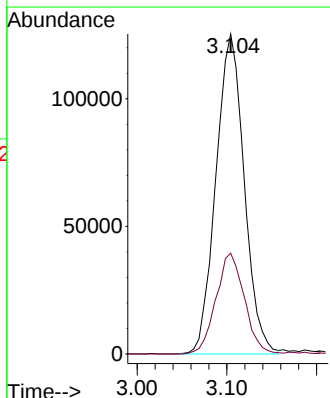
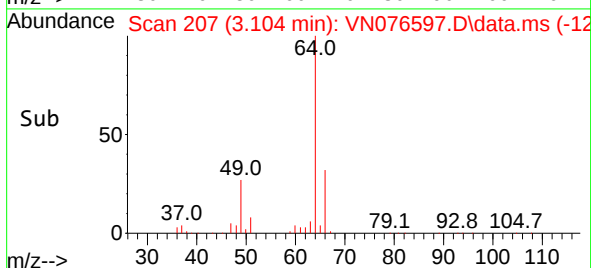
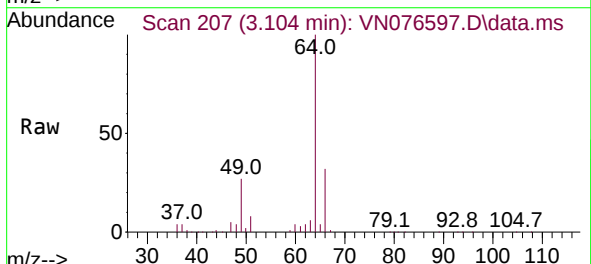
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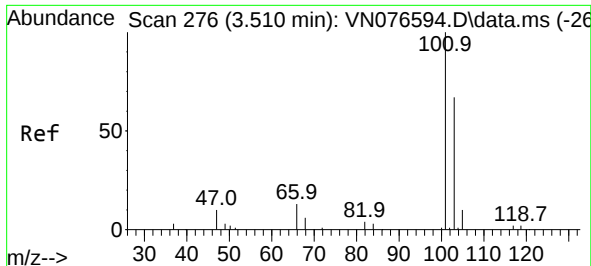
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#6
Chloroethane
Concen: 147.430 ug/l
RT: 3.104 min Scan# 207
Delta R.T. -0.020 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

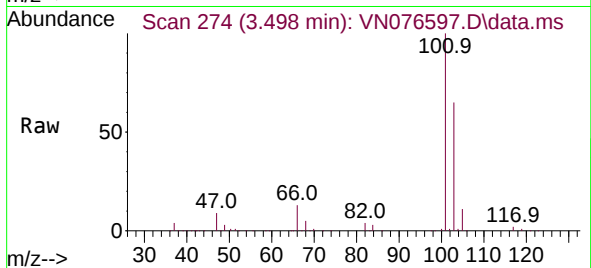
Tgt Ion: 64 Resp: 274536
Ion Ratio Lower Upper
64 100
66 31.5 21.8 32.8





#7
Trichlorofluoromethane
Concen: 135.450 ug/l
RT: 3.498 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

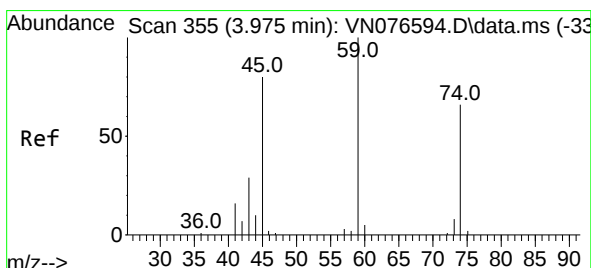
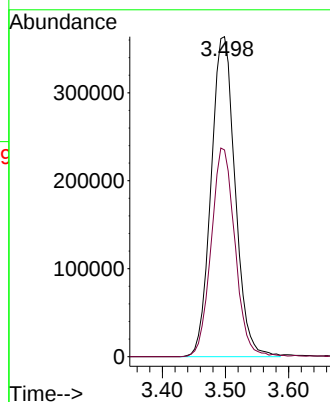
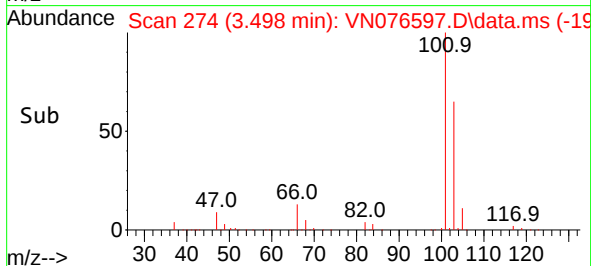
Instrument :
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Tgt Ion:101 Resp: 96221
Ion Ratio Lower Upper
101 100
103 64.6 54.8 82.2

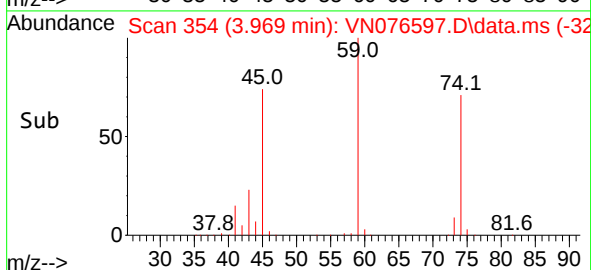
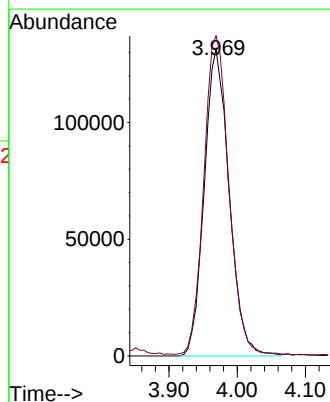
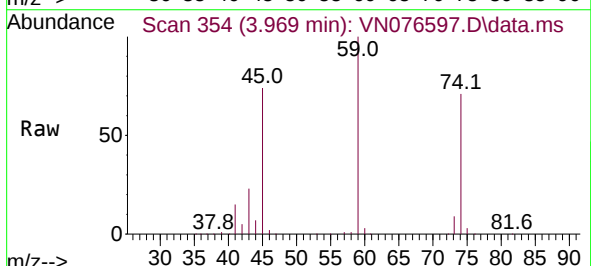
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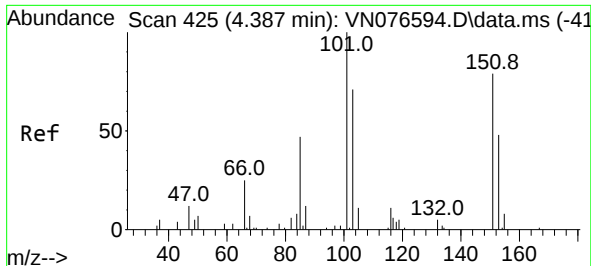
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#8
Diethyl Ether
Concen: 148.296 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.020 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

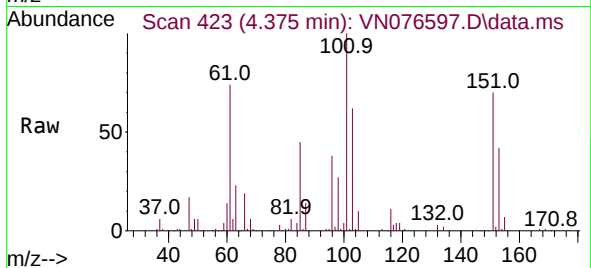
Tgt Ion: 74 Resp: 334134
Ion Ratio Lower Upper
74 100
45 105.0 19.0 171.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 141.455 ug/l
RT: 4.375 min Scan# 418
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

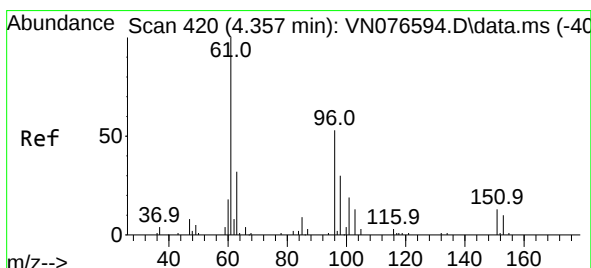
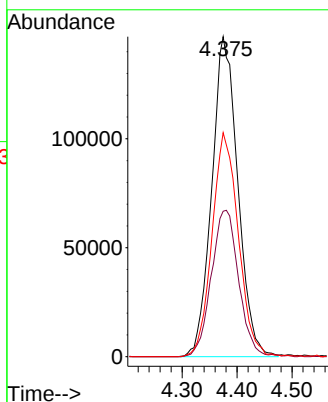
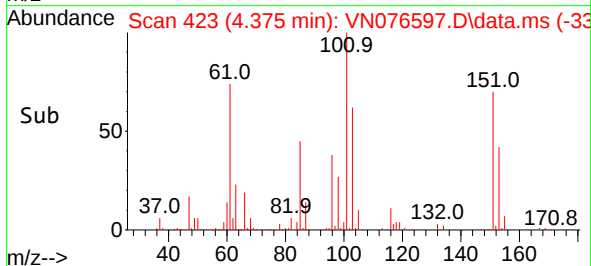
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



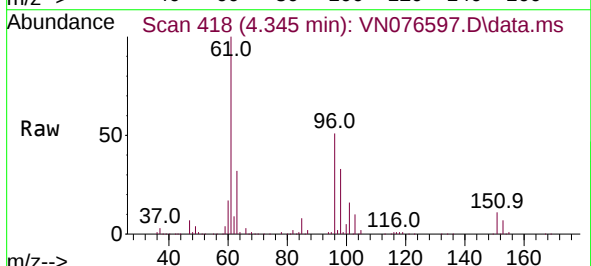
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Ion Ratio Lower Upper
101 100
85 47.7 0.0 94.6
151 70.3 0.0 144.8

Manual Integrations
APPROVED

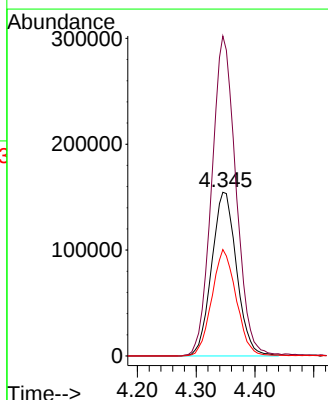
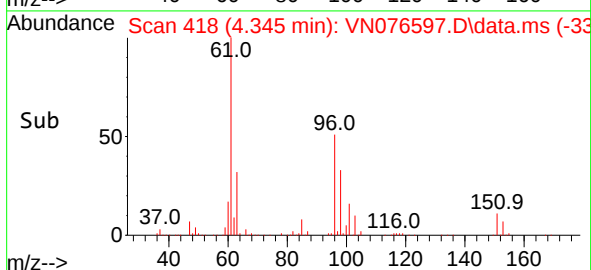
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

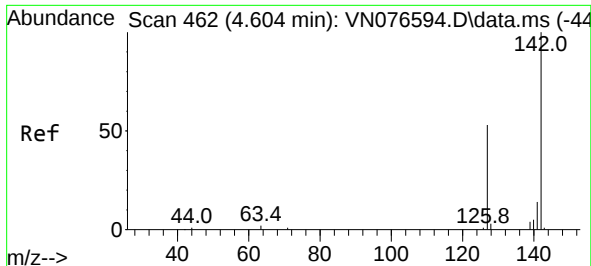


#10
1,1-Dichloroethene
Concen: 141.867 ug/l
RT: 4.345 min Scan# 418
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



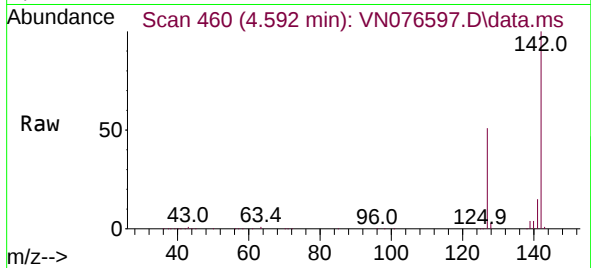
Tgt Ion: 96 Resp: 455887
Ion Ratio Lower Upper
96 100
61 195.5 125.5 188.3#
98 65.0 45.0 67.4





#11
Methyl Iodide
Concen: 150.129 ug/l
RT: 4.592 min Scan# 460
Delta R.T. -0.020 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

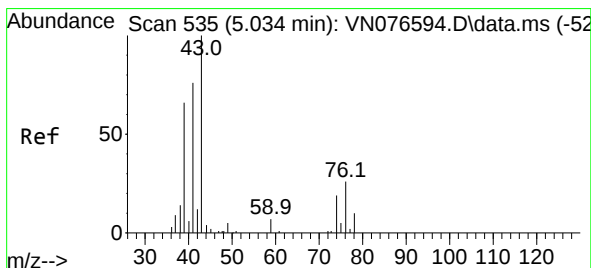
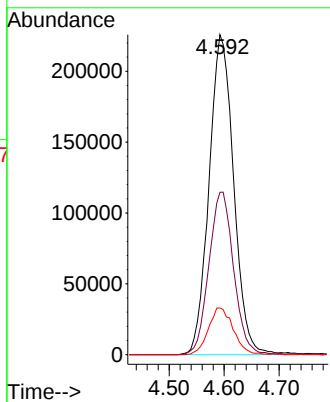
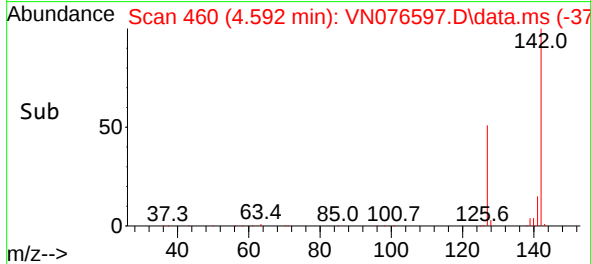
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:142 Resp: 701499
Ion Ratio Lower Upper
142 100
127 50.7 19.3 57.8
141 14.6 7.7 23.1

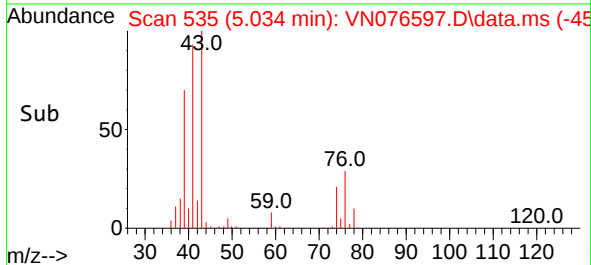
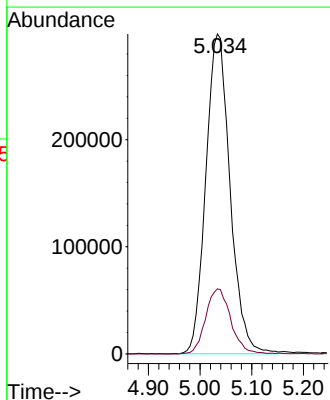
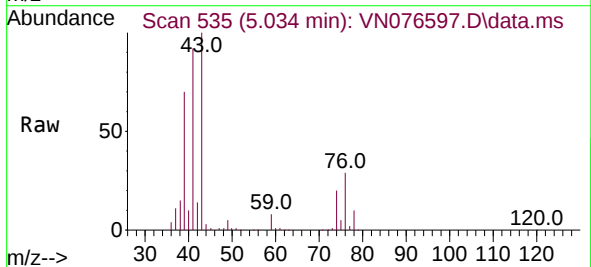
Manual Integrations
APPROVED

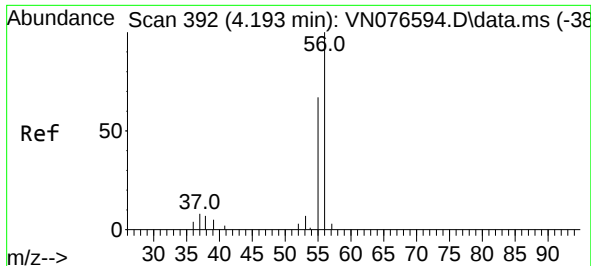
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#12
Methyl Acetate
Concen: 144.221 ug/l
RT: 5.034 min Scan# 535
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 43 Resp: 972561
Ion Ratio Lower Upper
43 100
74 20.3 19.0 28.6





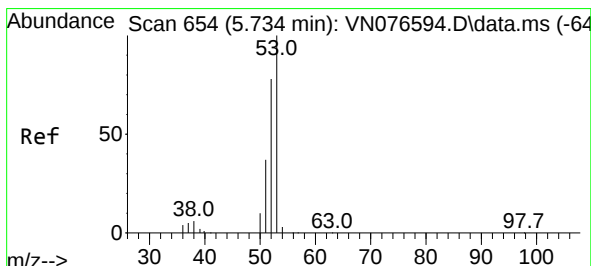
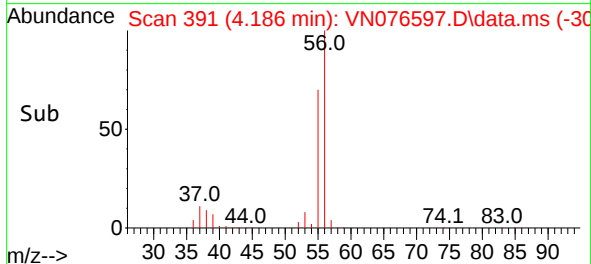
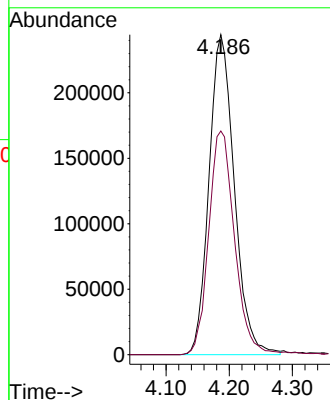
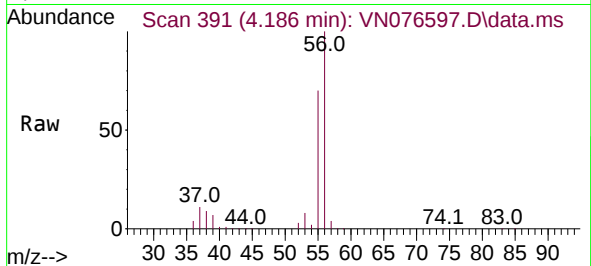
#13
Acrolein
Concen: 788.485 ug/l
RT: 4.186 min Scan# 391
Delta R.T. -0.020 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 681040
Ion Ratio Lower Upper
56 100
55 71.1 56.2 84.2

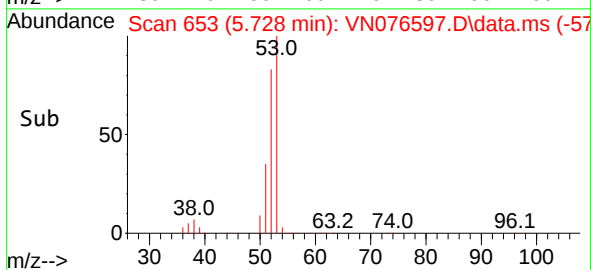
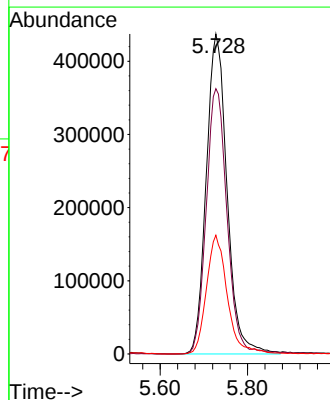
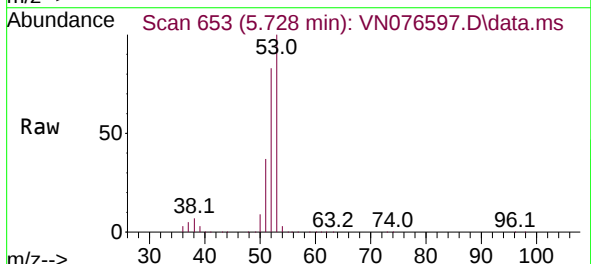
Manual Integrations
APPROVED

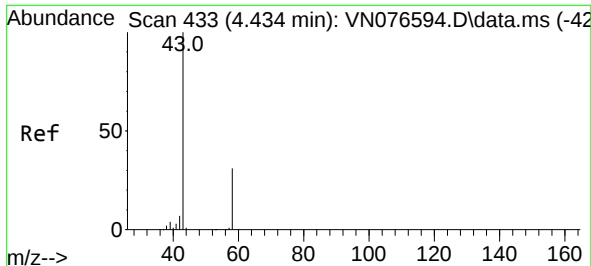
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#14
Acrylonitrile
Concen: 733.237 ug/l
RT: 5.728 min Scan# 653
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

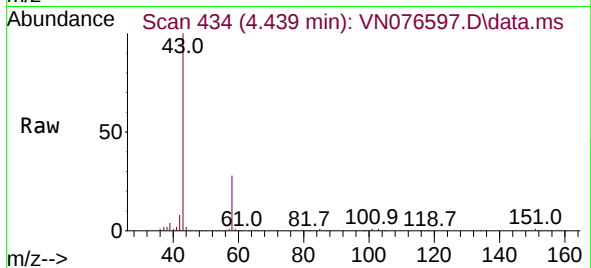
Tgt Ion: 53 Resp: 1448643
Ion Ratio Lower Upper
53 100
52 81.7 40.8 122.4
51 36.3 17.0 51.0





#15
Acetone
Concen: 659.861 ug/l m
RT: 4.439 min Scan# 41
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

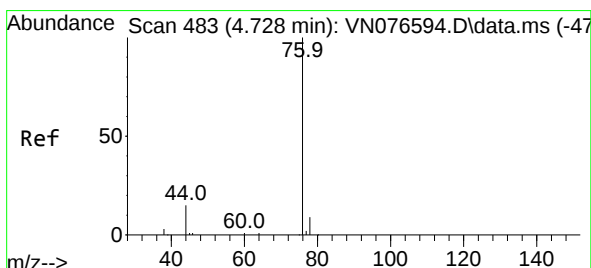
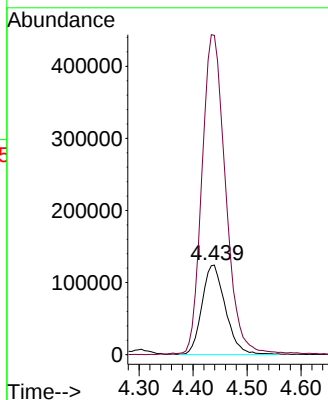
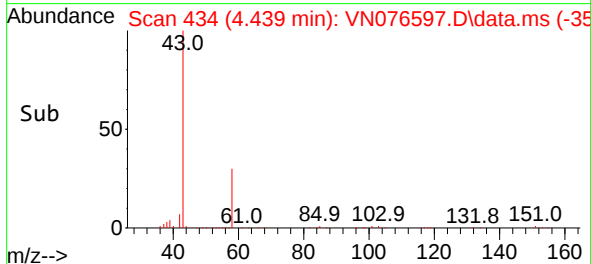
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



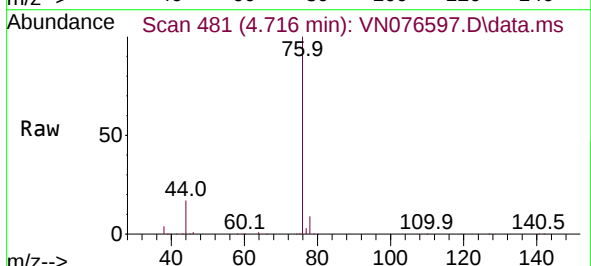
Tgt Ion: 58 Resp: 376209
Ion Ratio Lower Upper
58 100
43 356.4 232.2 348.4

Manual Integrations
APPROVED

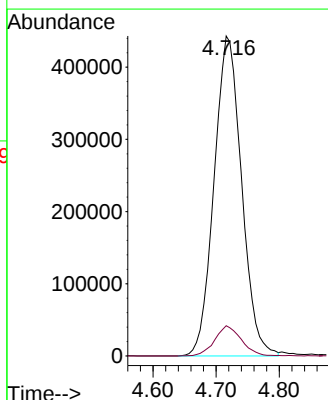
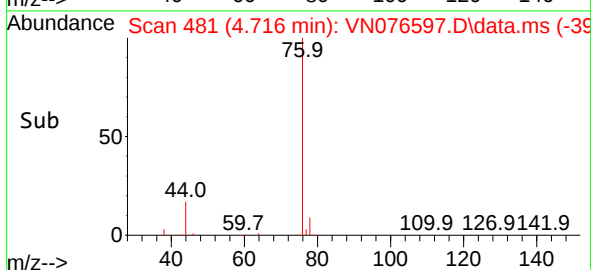
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

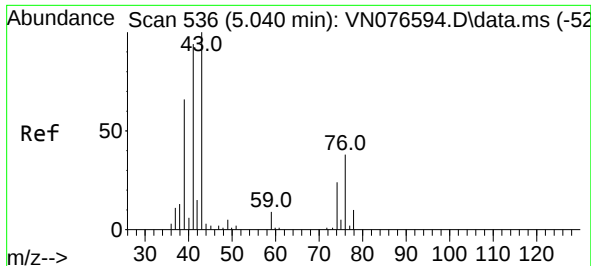


#16
Carbon Disulfide
Concen: 151.791 ug/l
RT: 4.716 min Scan# 481
Delta R.T. -0.020 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



Tgt Ion: 76 Resp: 1340553
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8





#17

Allyl chloride

Concen: 149.024 ug/l

RT: 5.034 min Scan# 51

Delta R.T. -0.008 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

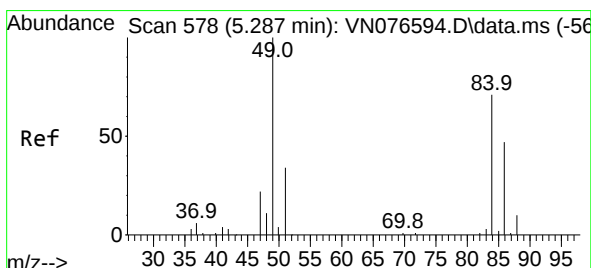
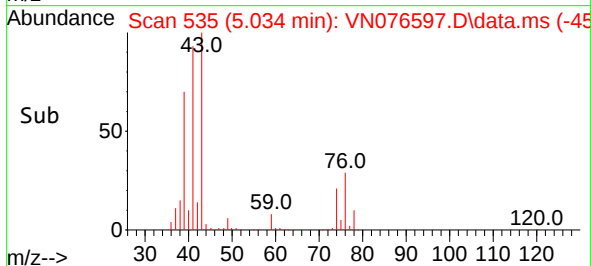
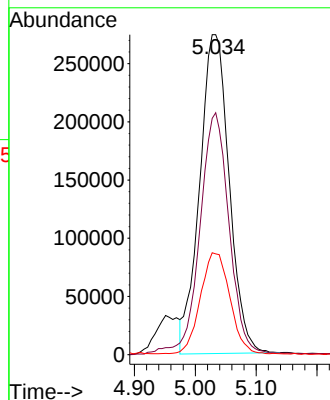
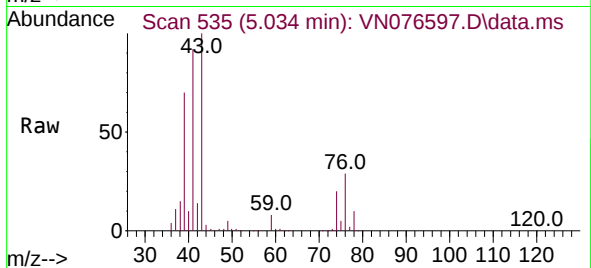
Tgt Ion:	41	Resp:	92321
Ion	Ratio	Lower	Upper
41	100		
39	75.6	39.1	117.5
76	31.4	19.8	59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#18

Methylene Chloride

Concen: 139.214 ug/l

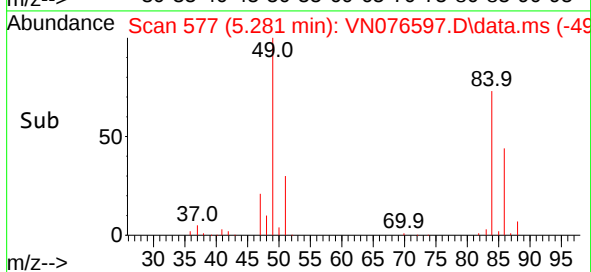
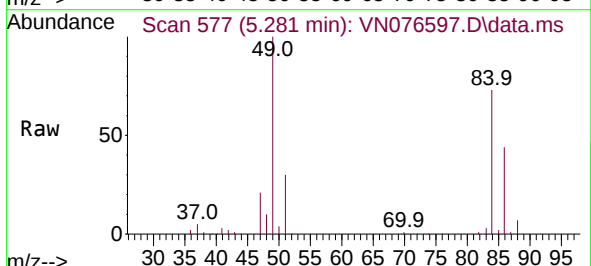
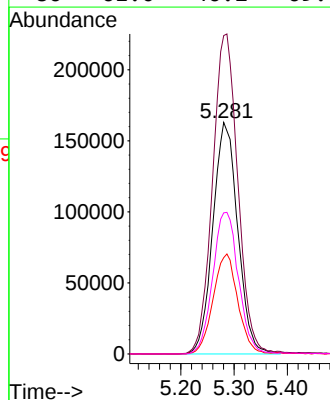
RT: 5.281 min Scan# 577

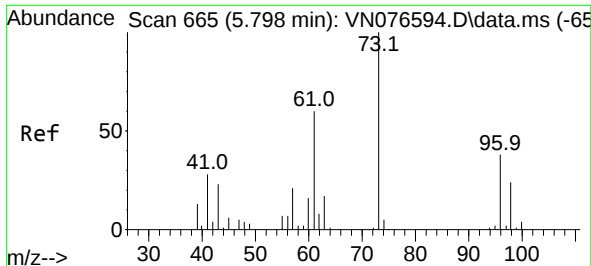
Delta R.T. -0.019 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

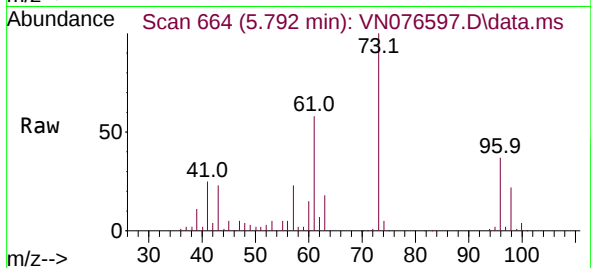
Tgt Ion:	84	Resp:	529372
Ion	Ratio	Lower	Upper
84	100		
49	137.4	99.6	149.4
51	41.6	28.2	42.2
86	61.0	46.2	69.4





#19
trans-1,2-Dichloroethene
Concen: 147.084 ug/l
RT: 5.792 min Scan# 664
Delta R.T. -0.020 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

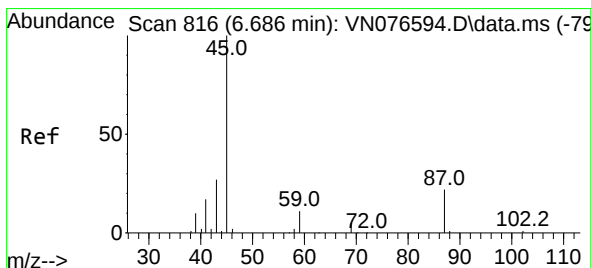
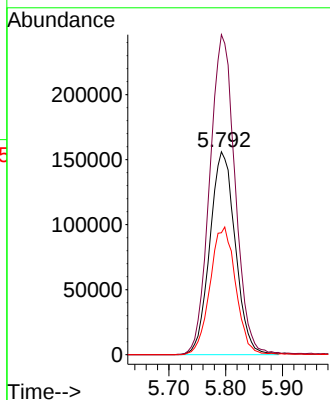
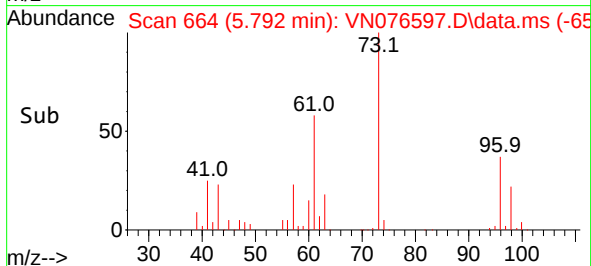
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 96 Resp: 48575
Ion Ratio Lower Upper
96 100
61 157.5 110.2 165.4
98 60.1 50.0 75.0

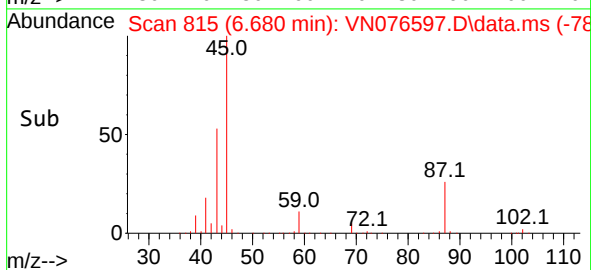
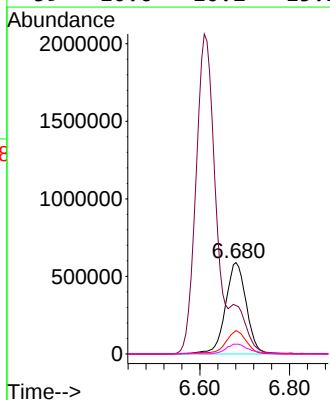
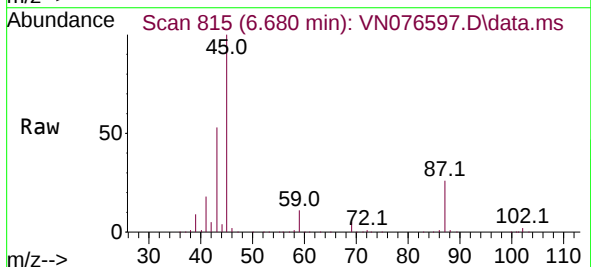
Manual Integrations
APPROVED

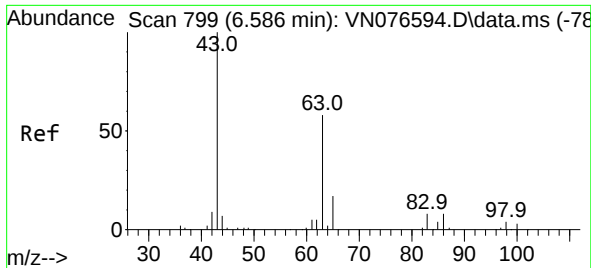
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#20
Diisopropyl ether
Concen: 134.382 ug/l
RT: 6.680 min Scan# 815
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 45 Resp: 1900313
Ion Ratio Lower Upper
45 100
43 52.2 47.3 70.9
87 25.5 21.8 32.8
59 10.6 10.2 15.2





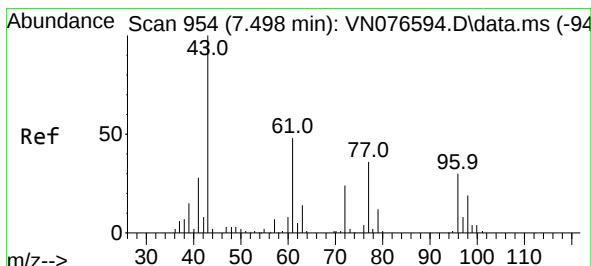
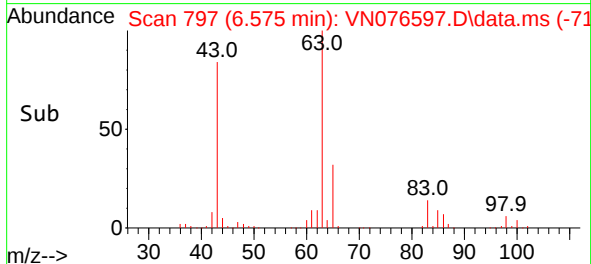
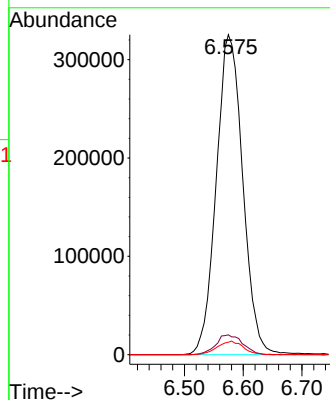
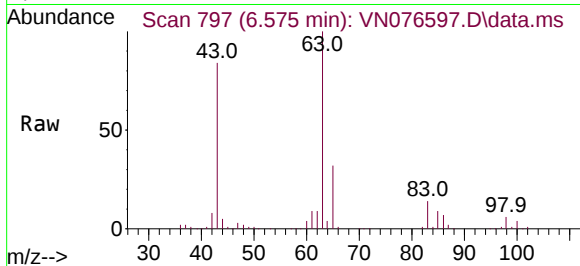
#21
1,1-Dichloroethane
Concen: 131.948 ug/l
RT: 6.575 min Scan# 799
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 63 Resp: 1017490
Ion Ratio Lower Upper
63 100
98 6.2 3.3 9.9
100 3.9 2.2 6.6

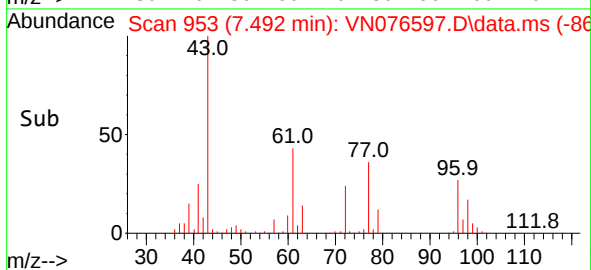
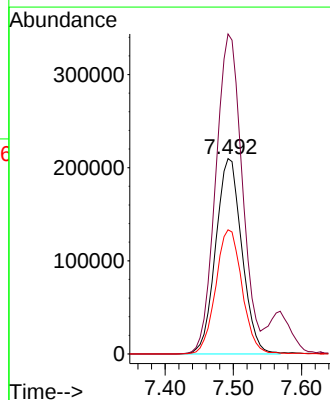
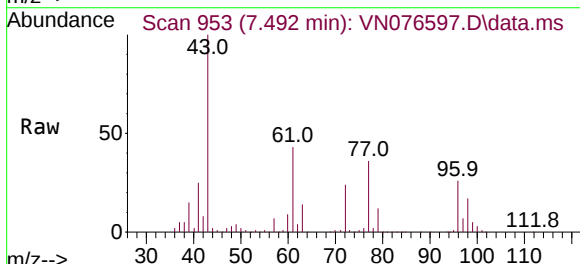
Manual Integrations
APPROVED

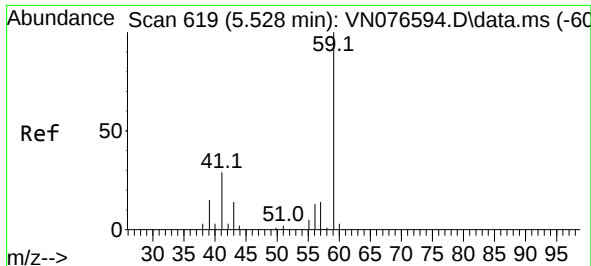
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#22
cis-1,2-Dichloroethene
Concen: 141.644 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 96 Resp: 560279
Ion Ratio Lower Upper
96 100
61 165.3 118.8 178.2
98 63.8 52.1 78.1





#23

tert-Butyl Alcohol

Concen: 813.004 ug/l

RT: 5.533 min Scan# 619

Delta R.T. -0.026 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 538994

Ion Ratio Lower Upper

59 100

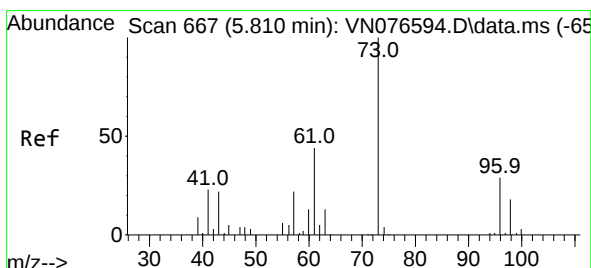
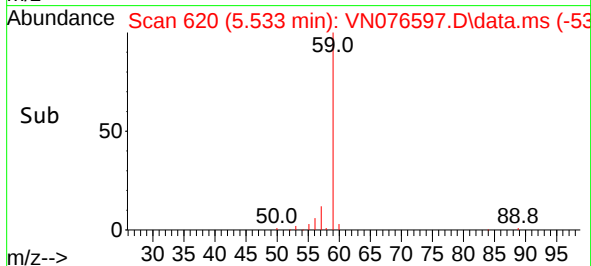
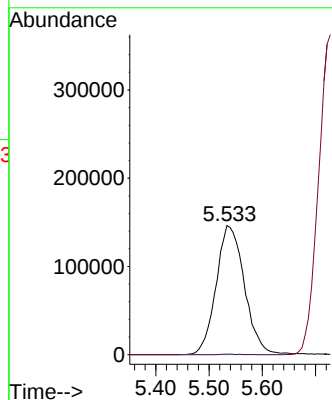
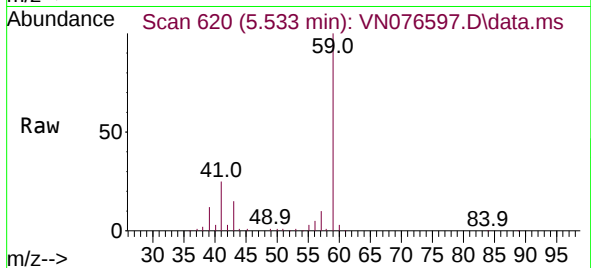
52 0.2 0.2 0.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#24

Methyl tert-Butyl Ether

Concen: 152.016 ug/l

RT: 5.804 min Scan# 666

Delta R.T. -0.014 min

Lab File: VN076597.D

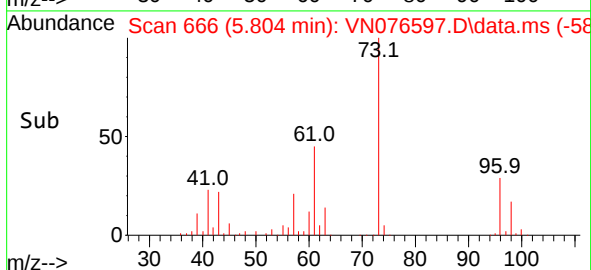
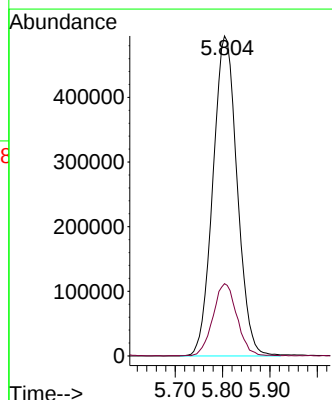
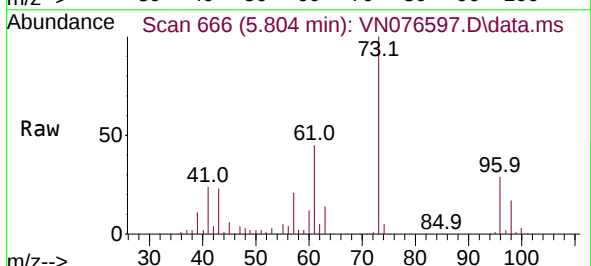
Acq: 09 Feb 2023 19:02

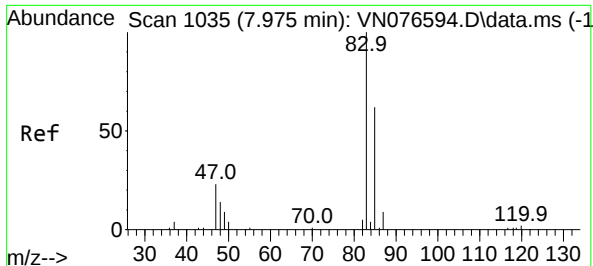
Tgt Ion: 73 Resp: 1759931

Ion Ratio Lower Upper

73 100

43 22.0 15.6 23.4





#25

Chloroform

Concen: 133.983 ug/l

RT: 7.969 min Scan# 1034

Delta R.T. -0.008 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 102234

Ion Ratio Lower Upper

83 100

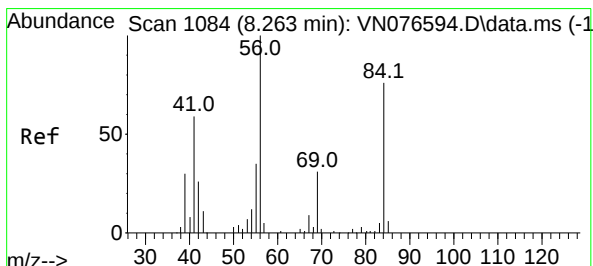
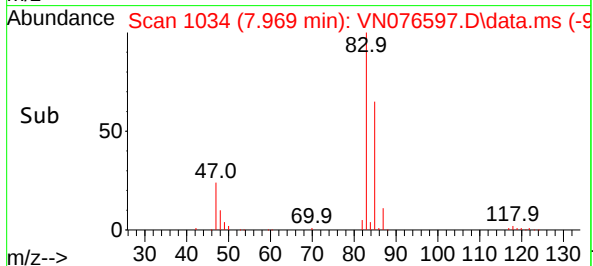
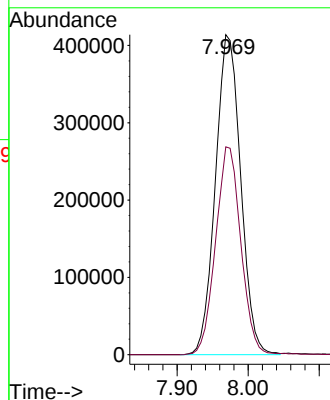
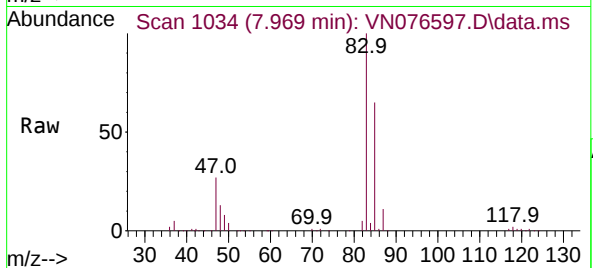
85 65.0 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#26

Cyclohexane

Concen: 136.882 ug/l

RT: 8.263 min Scan# 1084

Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

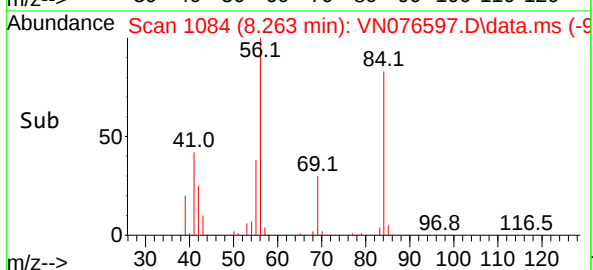
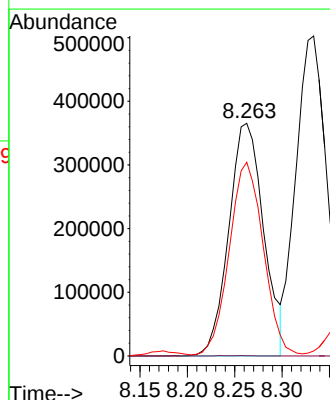
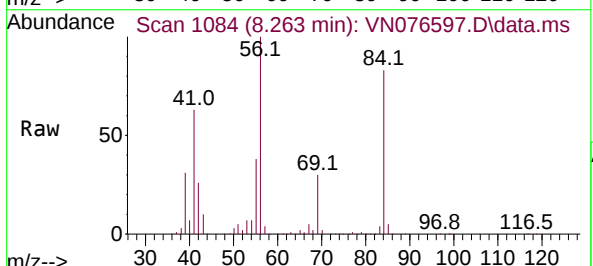
Tgt Ion: 56 Resp: 936671

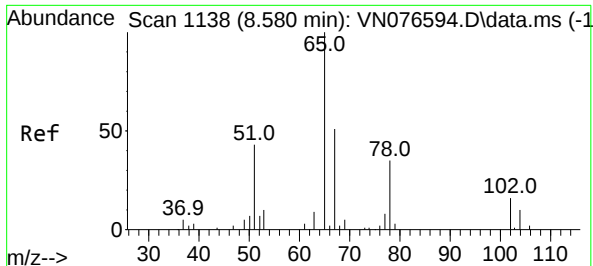
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 81.6 68.4 102.6





#27
1,2-Dichloroethane-d4
Concen: 29.238 ug/l
RT: 8.580 min Scan# 1138
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

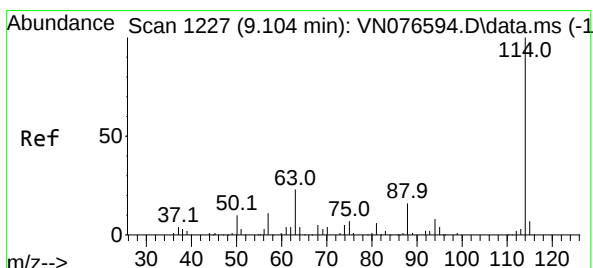
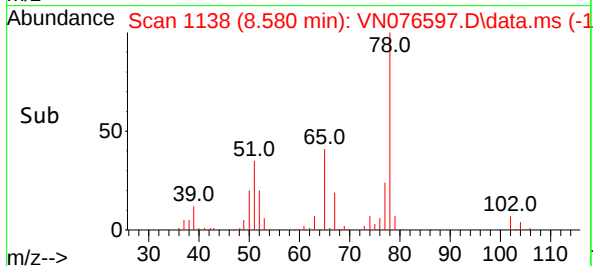
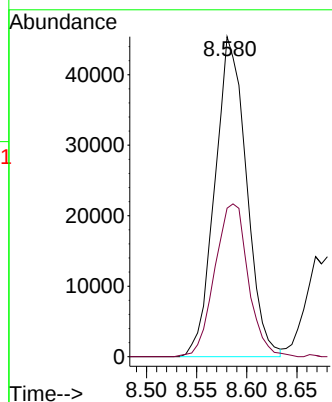
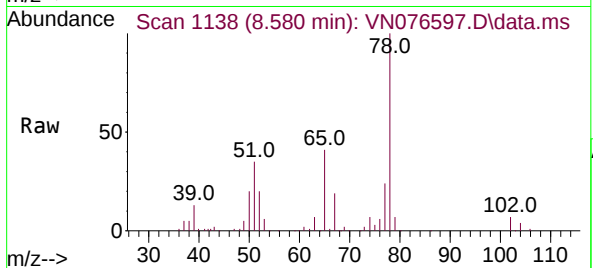
VSTDIC150

Tgt Ion: 65 Resp: 9921
Ion Ratio Lower Upper
65 100
67 50.7 45.2 67.8

Manual Integrations

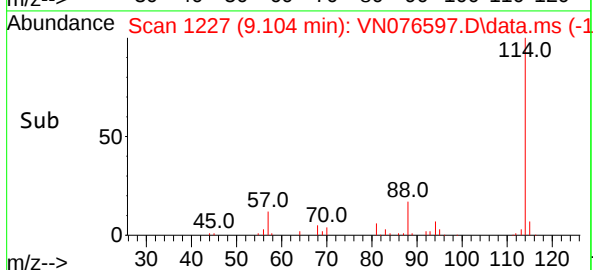
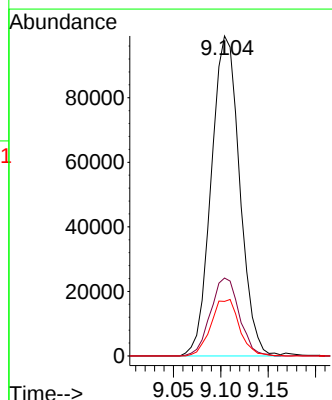
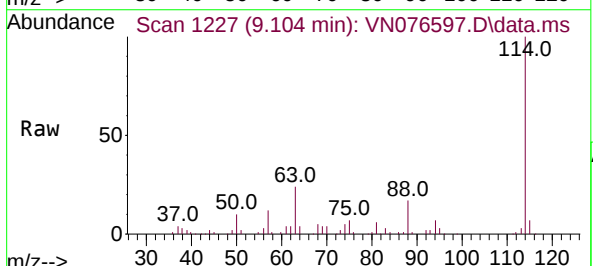
APPROVED

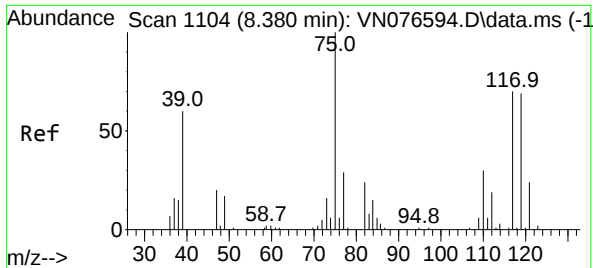
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.104 min Scan# 1227
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

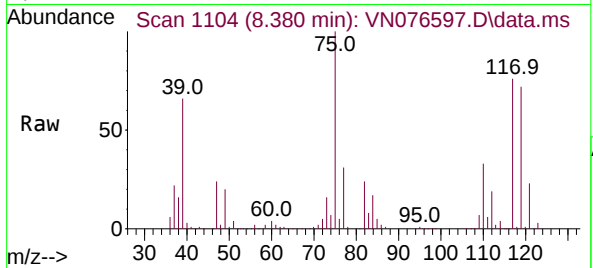
Tgt Ion:114 Resp: 206824
Ion Ratio Lower Upper
114 100
63 24.6 16.6 25.0
88 17.6 12.2 18.4





#29
1,1-Dichloropropene
Concen: 143.774 ug/l
RT: 8.380 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

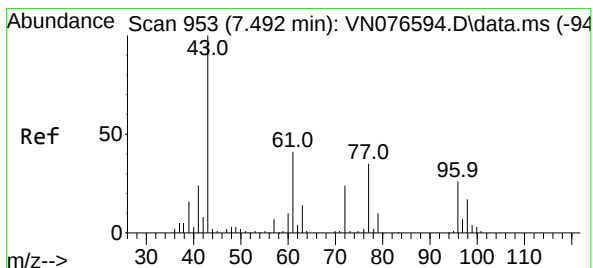
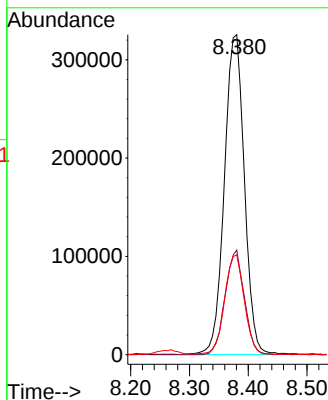
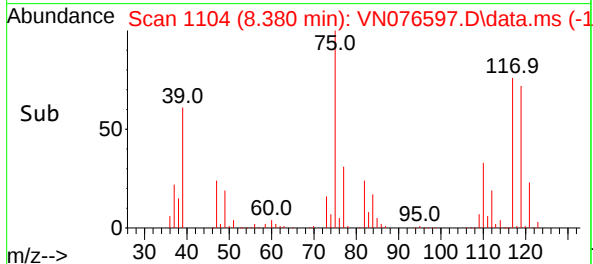
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



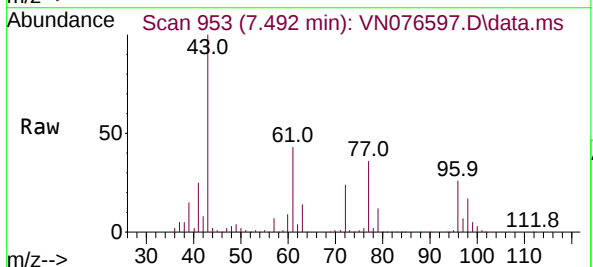
Tgt Ion: 75 Resp: 76969
Ion Ratio Lower Upper
75 100
110 31.5 0.0 72.2
77 30.8 0.0 64.0

Manual Integrations
APPROVED

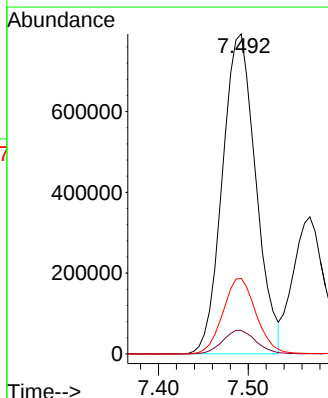
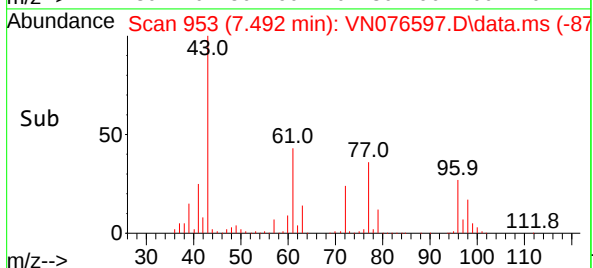
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

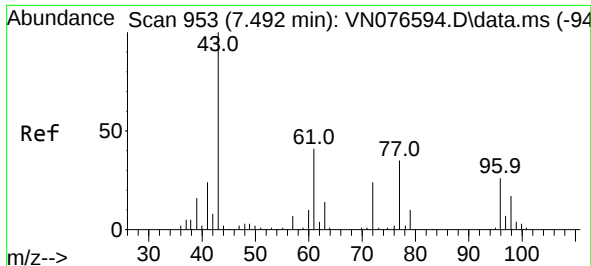


#30
2-Butanone
Concen: 709.585 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



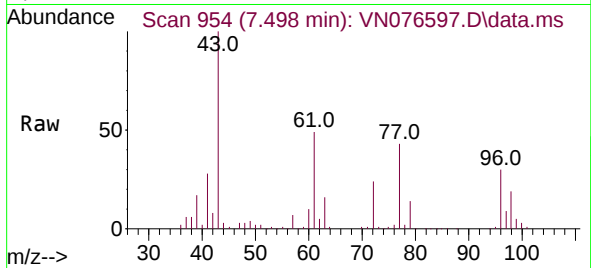
Tgt Ion: 43 Resp: 2050483
Ion Ratio Lower Upper
43 100
57 7.4 6.3 9.5
72 23.5 21.0 31.4





#31
2,2-Dichloropropane
Concen: 153.121 ug/l
RT: 7.498 min Scan# 911
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

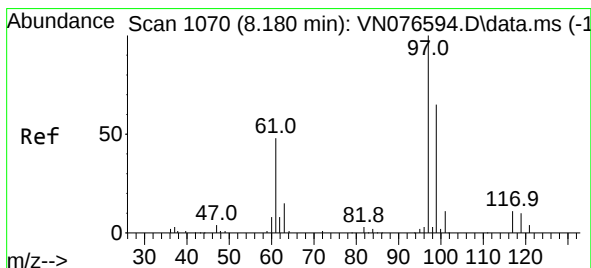
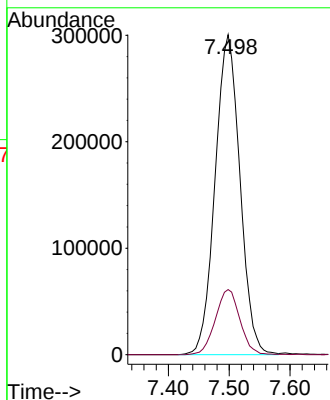
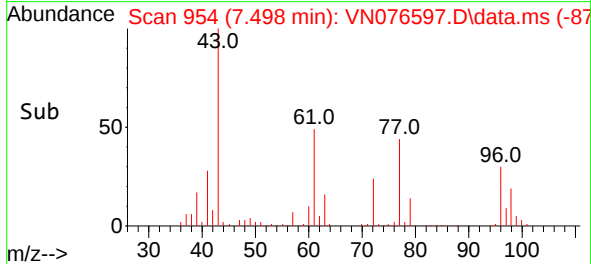
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 77 Resp: 85110
Ion Ratio Lower Upper
77 100
97 20.1 18.4 27.6

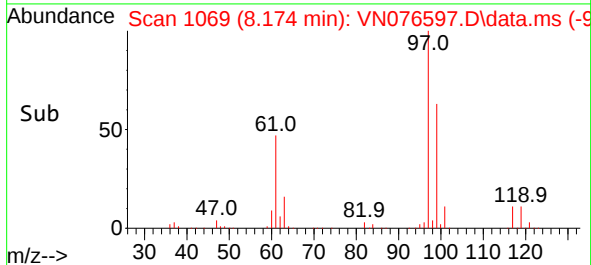
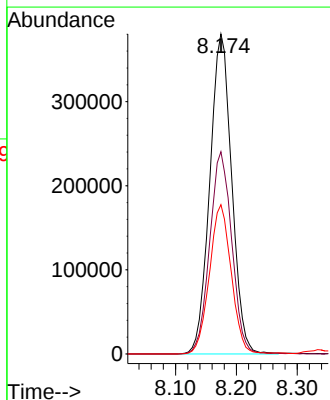
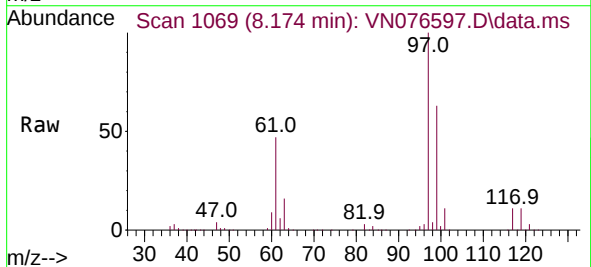
Manual Integrations
APPROVED

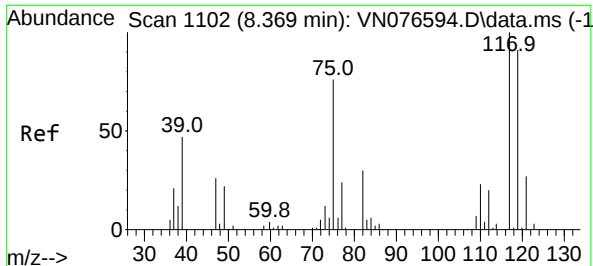
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#32
1,1,1-Trichloroethane
Concen: 143.206 ug/l
RT: 8.174 min Scan# 1069
Delta R.T. -0.009 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 97 Resp: 951198
Ion Ratio Lower Upper
97 100
99 63.6 50.0 75.0
61 46.3 36.1 54.1





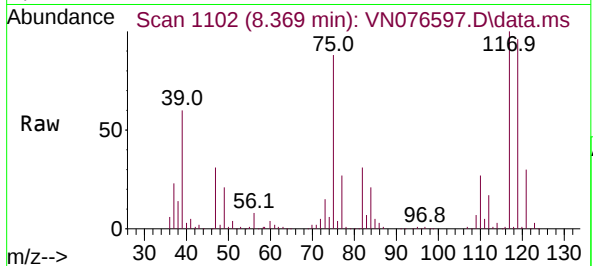
#33
Carbon Tetrachloride
Concen: 143.487 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150



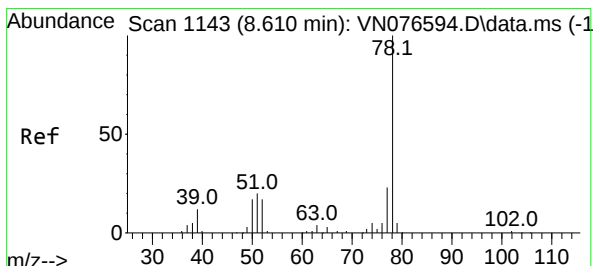
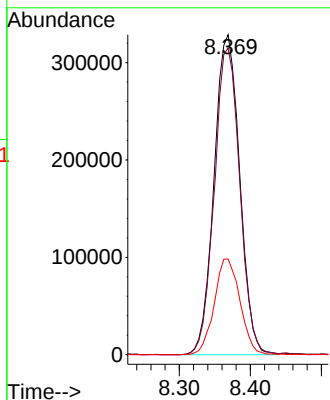
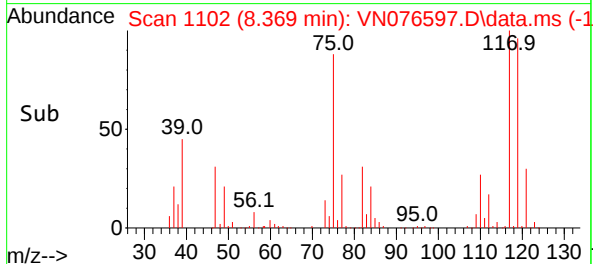
Tgt Ion:117 Resp: 822268
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6
121 29.9 27.6 41.4

Manual Integrations

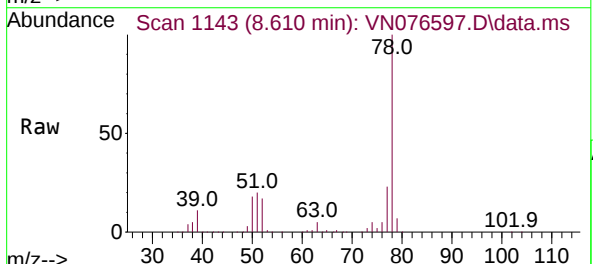
APPROVED

Reviewed By :John Carlone 02/10/2023

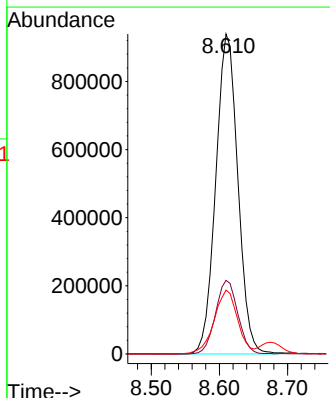
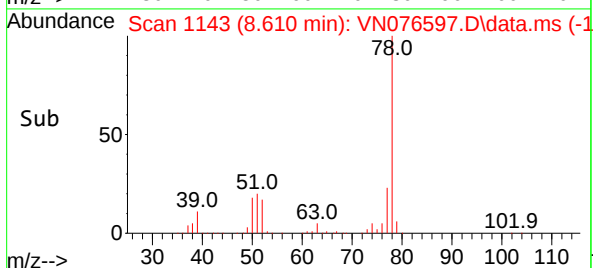
Supervised By :Semsettin Yesilyurt 02/10/2023

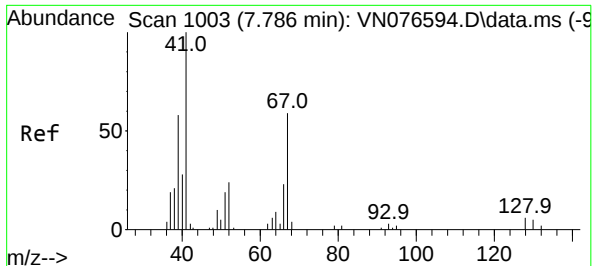


#34
Benzene
Concen: 128.779 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



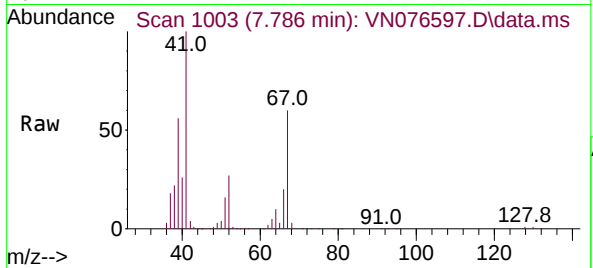
Tgt Ion: 78 Resp: 2118315
Ion Ratio Lower Upper
78 100
77 23.0 19.9 29.9
51 19.9 21.1 31.7#





#35
Methacrylonitrile
Concen: 146.321 ug/l
RT: 7.786 min Scan# 1003
Delta R.T. -0.008 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

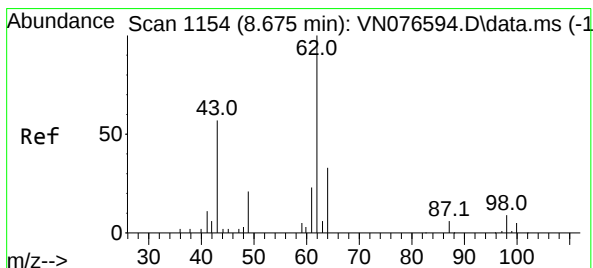
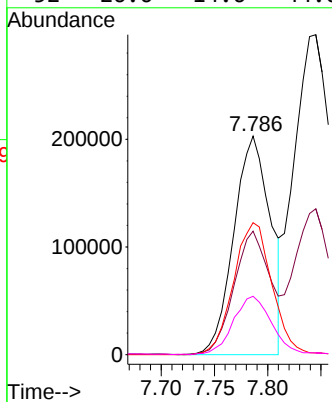
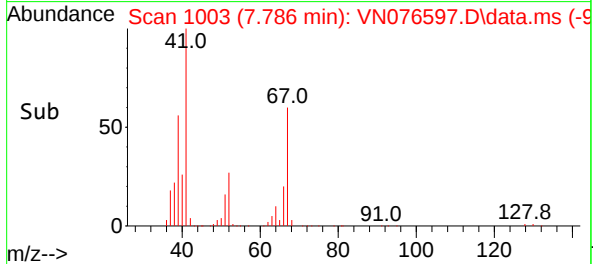
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 486169
Ion Ratio Lower Upper
41 100
39 56.3 27.7 83.1
67 60.4 38.0 113.9
52 26.6 14.6 44.0

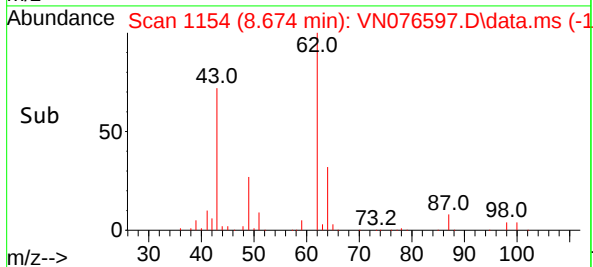
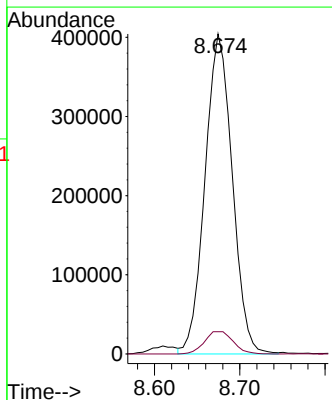
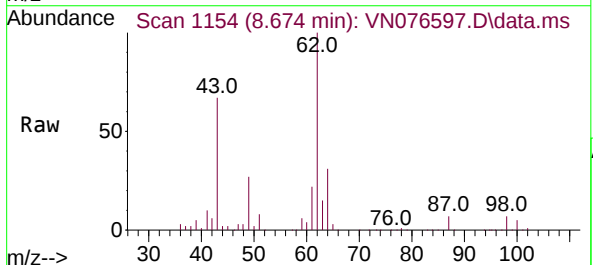
Manual Integrations
APPROVED

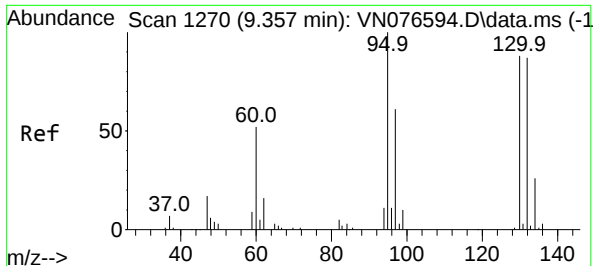
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#36
1,2-Dichloroethane
Concen: 142.647 ug/l
RT: 8.674 min Scan# 1154
Delta R.T. -0.009 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 62 Resp: 899797
Ion Ratio Lower Upper
62 100
98 7.4 7.4 11.2#





#37

Trichloroethene

Concen: 149.070 ug/l

RT: 9.357 min Scan# 11

Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:130 Resp: 502052

Ion Ratio Lower Upper

130 100

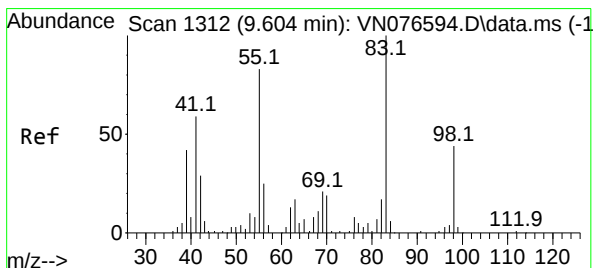
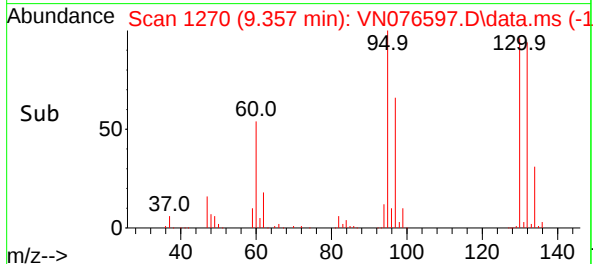
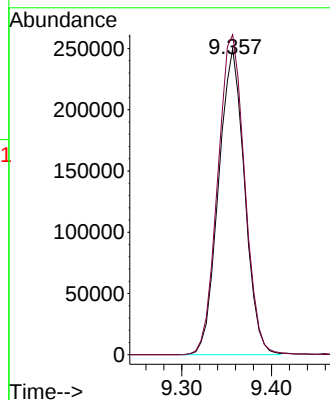
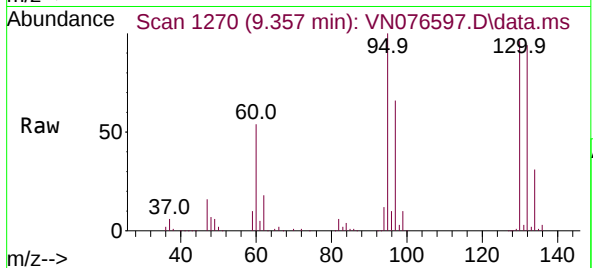
95 104.5 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#38

Methylcyclohexane

Concen: 154.376 ug/l

RT: 9.604 min Scan# 1312

Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

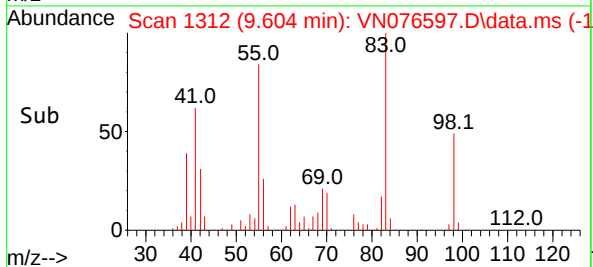
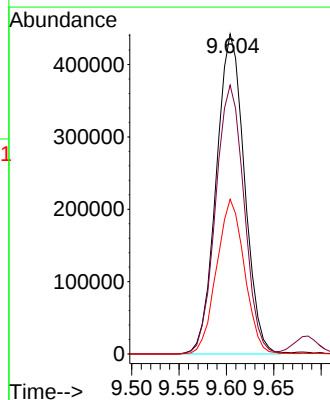
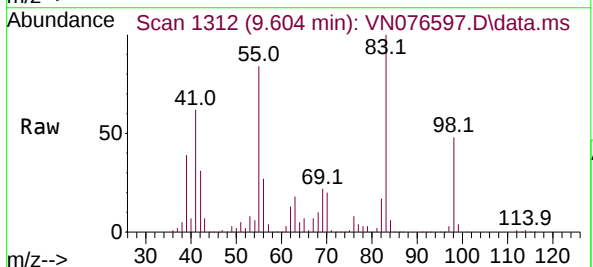
Tgt Ion: 83 Resp: 914756

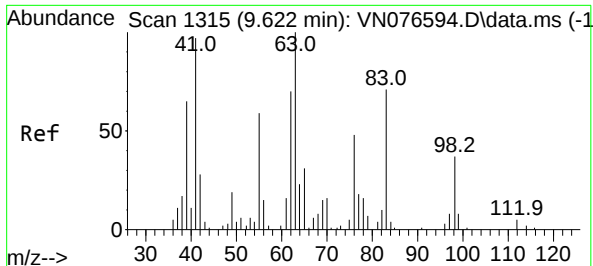
Ion Ratio Lower Upper

83 100

55 84.9 37.4 112.2

98 47.8 24.5 73.5





#39

1,2-Dichloropropane

Concen: 143.993 ug/l

RT: 9.627 min Scan# 11

Delta R.T. -0.003 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 56524

Ion Ratio Lower Upper

63 100

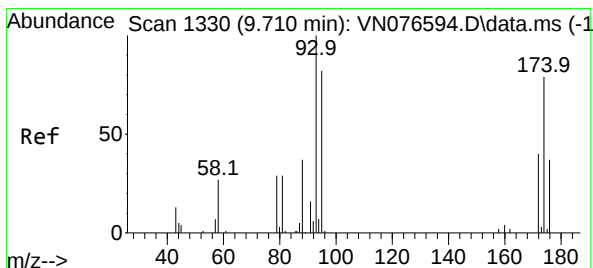
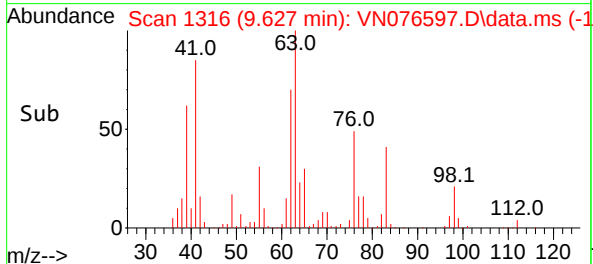
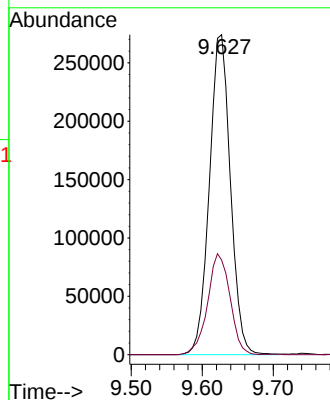
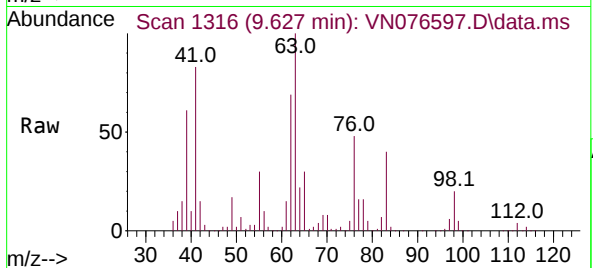
65 29.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#40

Dibromomethane

Concen: 146.274 ug/l

RT: 9.710 min Scan# 1330

Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

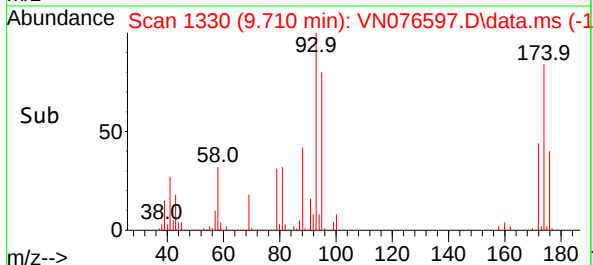
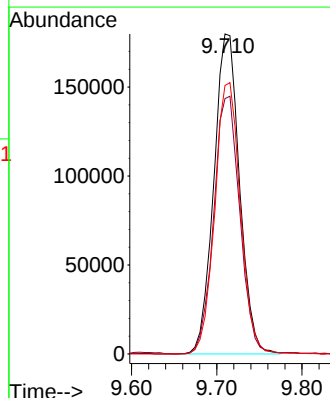
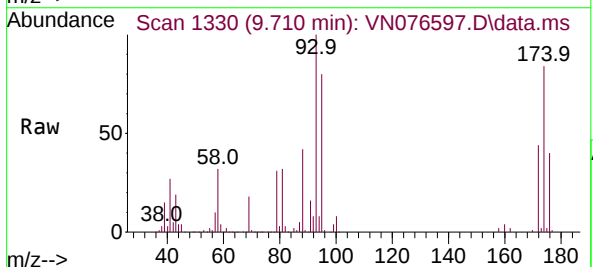
Tgt Ion: 93 Resp: 377749

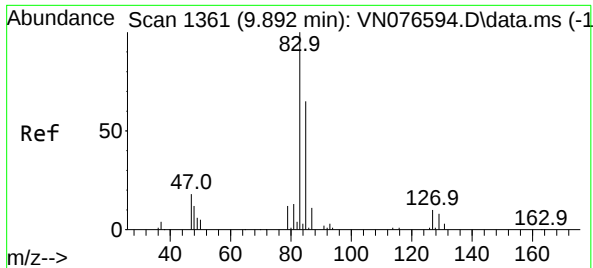
Ion Ratio Lower Upper

93 100

95 81.6 0.0 168.0

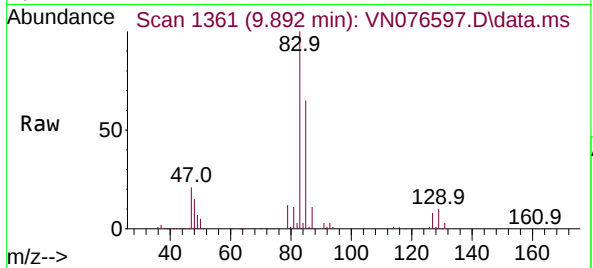
174 84.3 0.0 158.4





#41
Bromodichloromethane
Concen: 152.391 ug/l
RT: 9.892 min Scan# 11
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

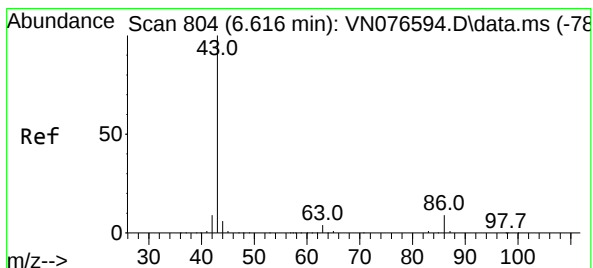
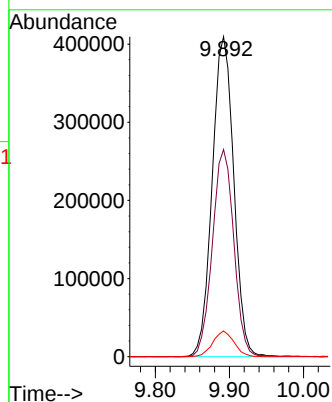
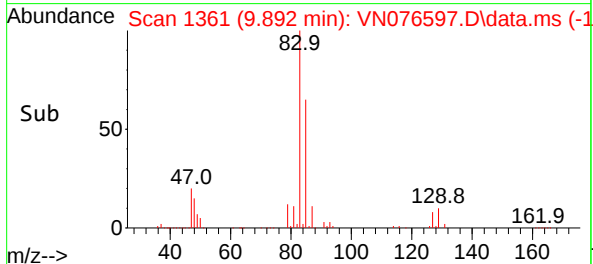
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



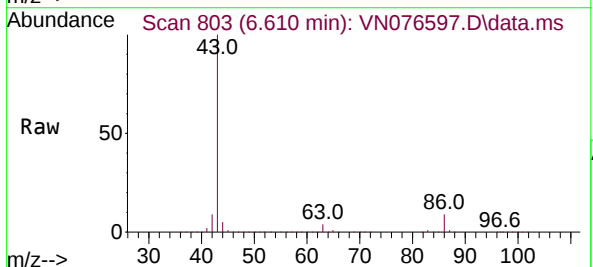
Tgt Ion: 83 Resp: 827469
Ion Ratio Lower Upper
83 100
85 64.7 50.2 75.4
127 8.1 5.1 7.7

Manual Integrations
APPROVED

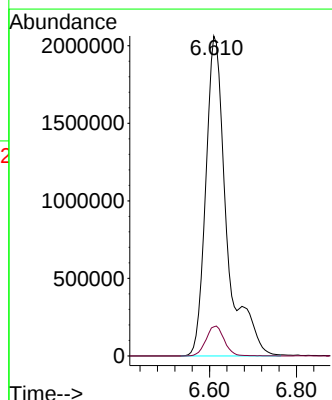
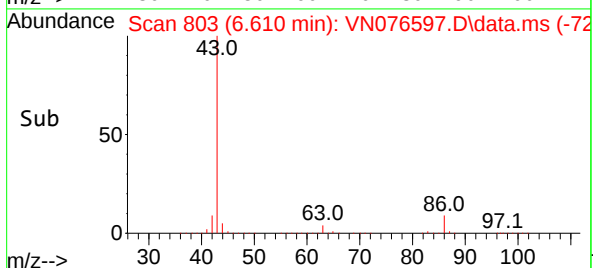
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

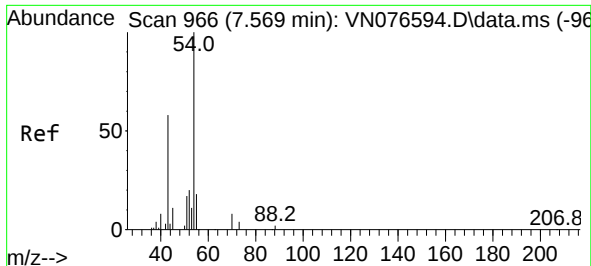


#42
Vinyl Acetate
Concen: 736.286 ug/l m
RT: 6.610 min Scan# 803
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



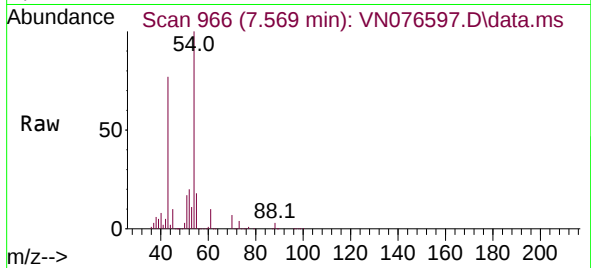
Tgt Ion: 43 Resp: 6916605
Ion Ratio Lower Upper
43 100
86 8.2 7.5 11.3





#43
Ethyl Acetate
Concen: 144.726 ug/l
RT: 7.569 min Scan# 966
Delta R.T. -0.014 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

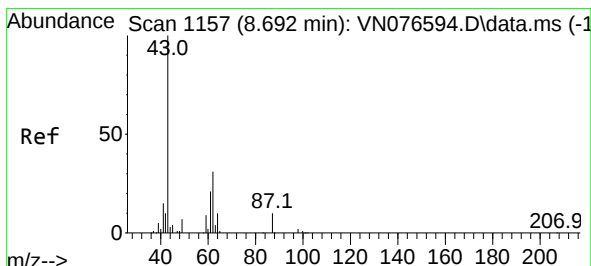
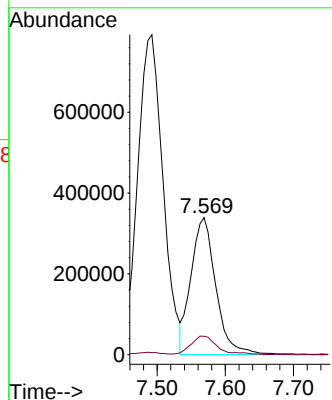
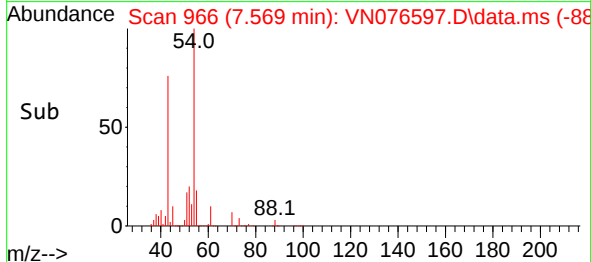
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 852685
Ion Ratio Lower Upper
43 100
45 12.6 11.5 17.3

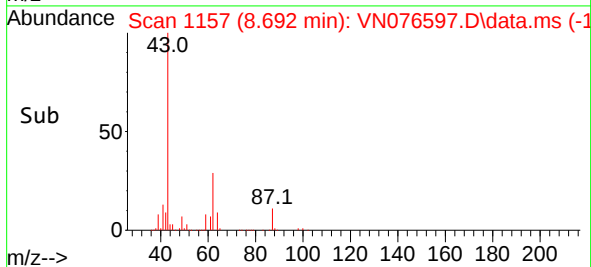
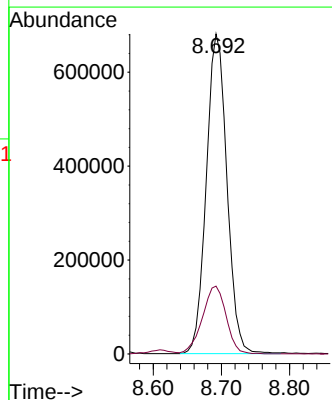
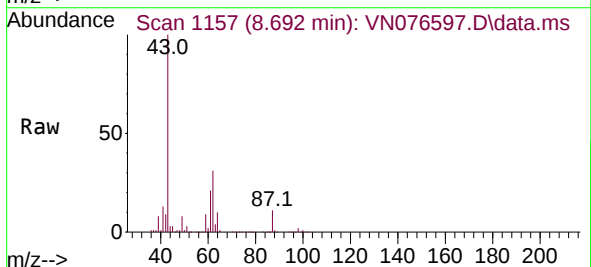
Manual Integrations
APPROVED

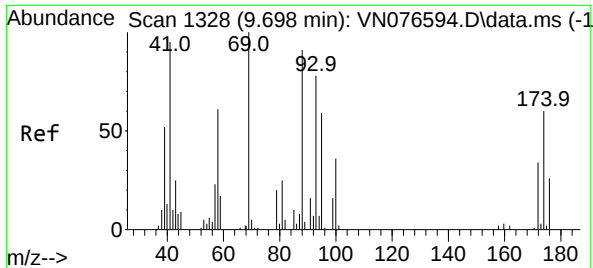
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#44
Isopropyl Acetate
Concen: 148.002 ug/l
RT: 8.692 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

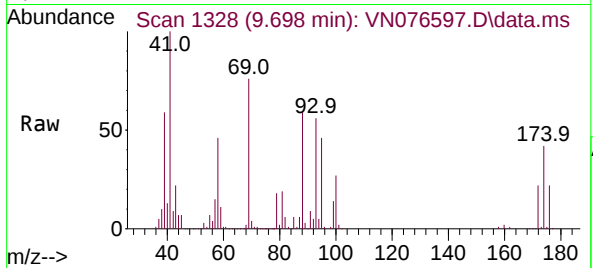
Tgt Ion: 43 Resp: 1434516
Ion Ratio Lower Upper
43 100
61 24.0 19.5 29.3





#45
1,4-Dioxane
Concen: 3009.245 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

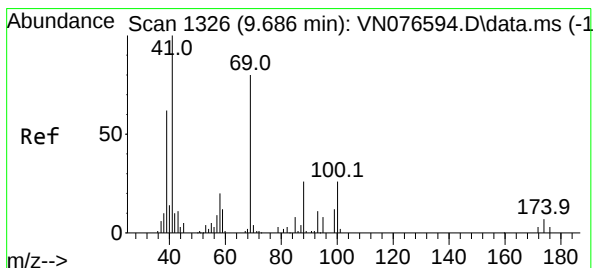
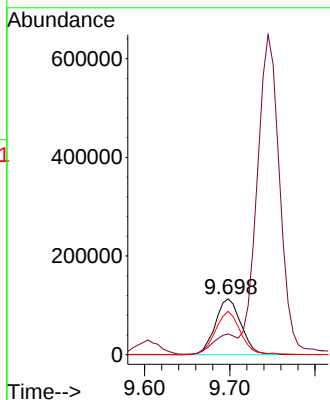
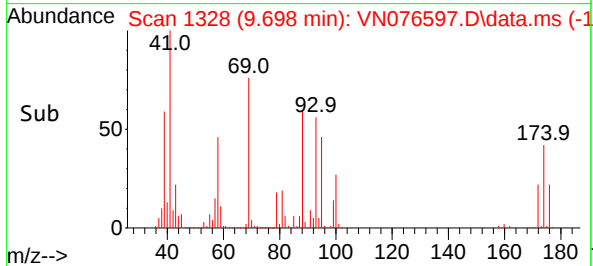
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



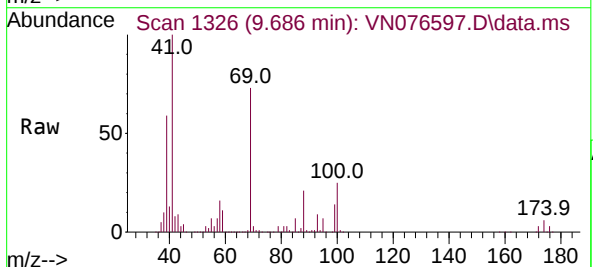
Tgt Ion: 88 Resp: 237760
Ion Ratio Lower Upper
88 100
43 34.1 25.7 38.5
58 76.6 53.4 80.2

Manual Integrations
APPROVED

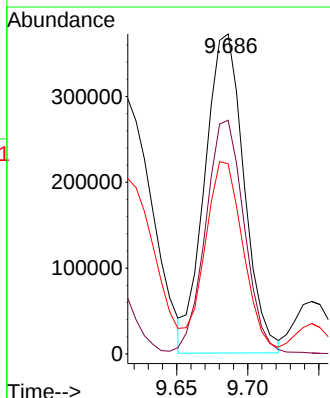
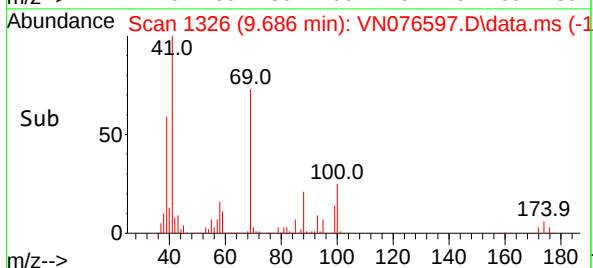
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

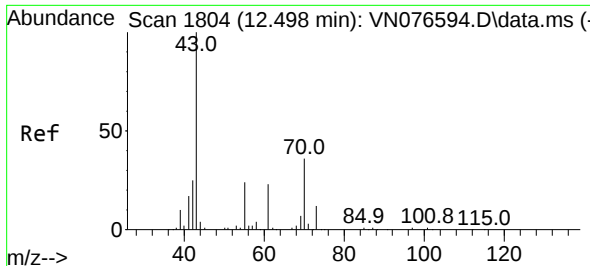


#46
Methyl methacrylate
Concen: 152.806 ug/l
RT: 9.686 min Scan# 1326
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



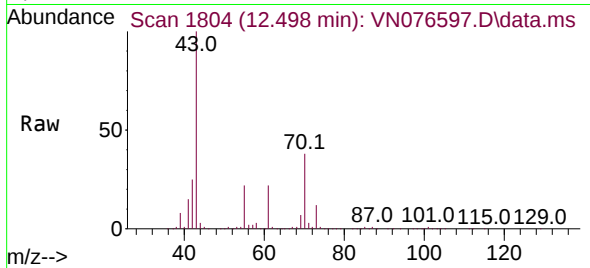
Tgt Ion: 41 Resp: 714104
Ion Ratio Lower Upper
41 100
69 74.8 45.6 136.7
39 59.8 32.3 96.9





#47
n-amy1 Acetate
Concen: 168.137 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

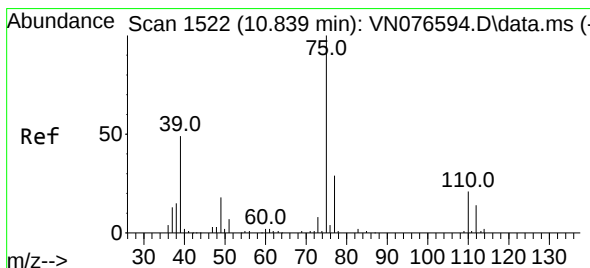
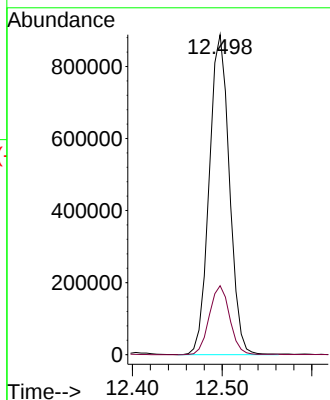
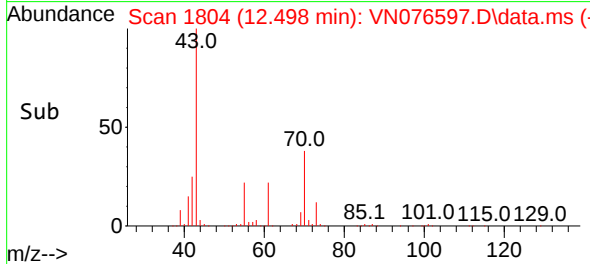
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



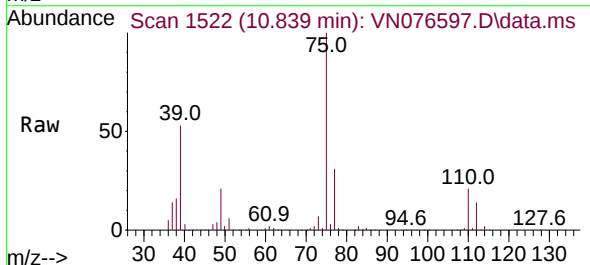
Tgt Ion: 43 Resp: 1385209
Ion Ratio Lower Upper
43 100
55 21.8 16.8 25.2

Manual Integrations
APPROVED

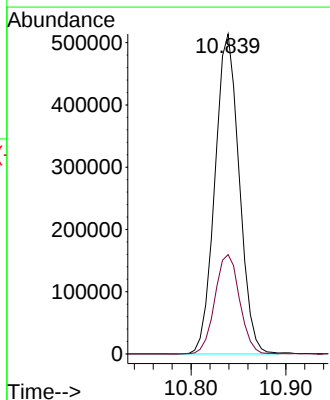
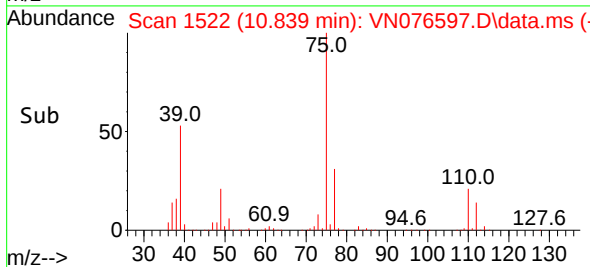
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

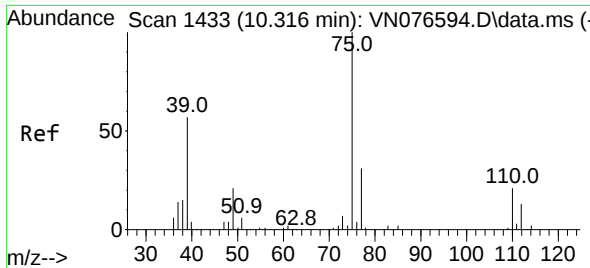


#48
t-1,3-Dichloropropene
Concen: 167.637 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



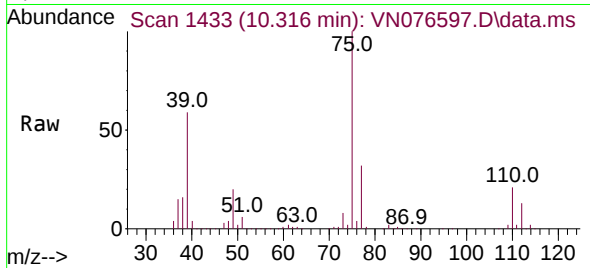
Tgt Ion: 75 Resp: 916288
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 157.484 ug/l
 RT: 10.316 min Scan# 1433
 Delta R.T. -0.002 min
 Lab File: VN076597.D
 Acq: 09 Feb 2023 19:02

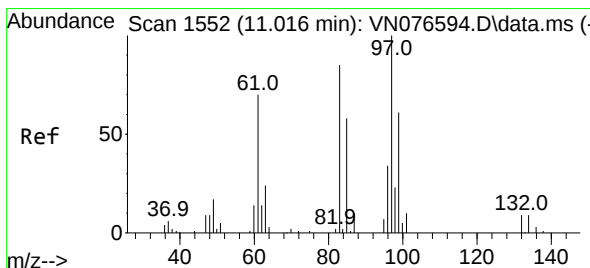
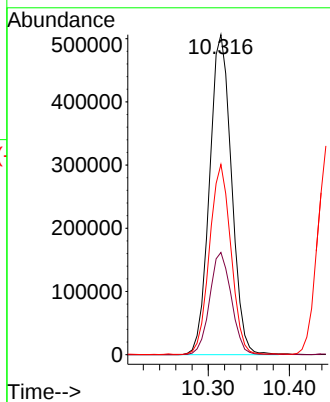
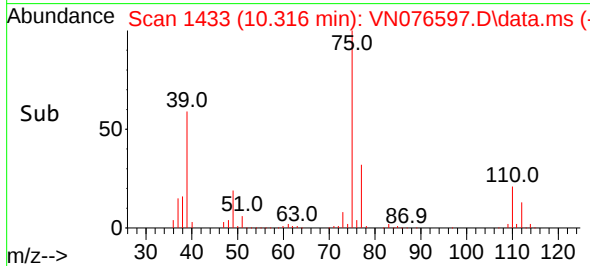
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion: 75 Resp: 951550
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 33.7
 39 59.4 37.6 56.4

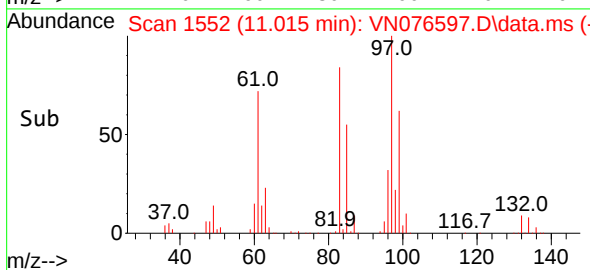
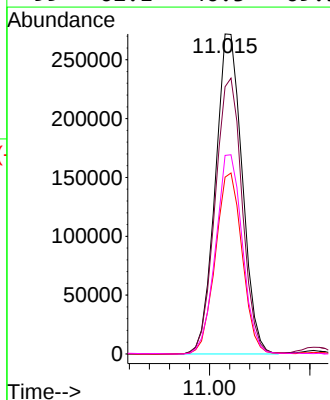
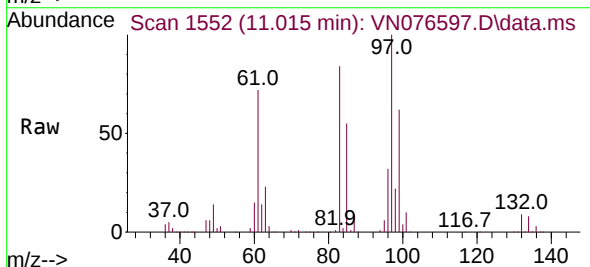
Manual Integrations
 APPROVED

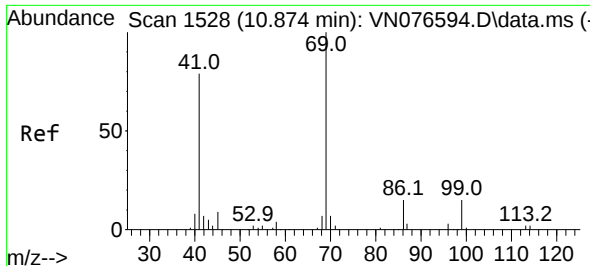
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023



#50
 1,1,2-Trichloroethane
 Concen: 144.576 ug/l
 RT: 11.015 min Scan# 1552
 Delta R.T. -0.003 min
 Lab File: VN076597.D
 Acq: 09 Feb 2023 19:02

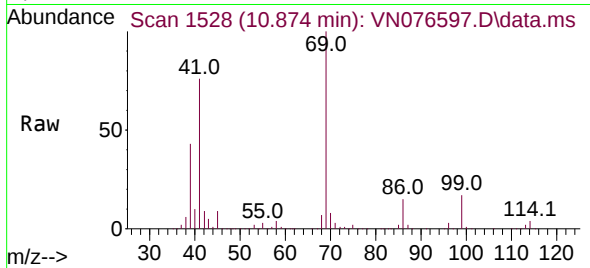
Tgt Ion: 97 Resp: 507058
 Ion Ratio Lower Upper
 97 100
 83 83.4 69.2 103.8
 85 55.2 41.4 62.2
 99 62.1 46.3 69.5





#51
Ethyl methacrylate
Concen: 162.961 ug/l
RT: 10.874 min Scan# 1528
Delta R.T. -0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

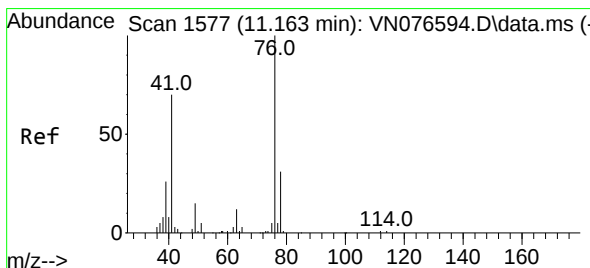
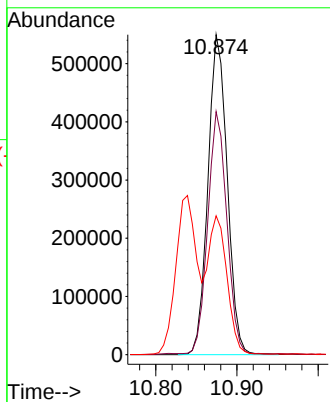
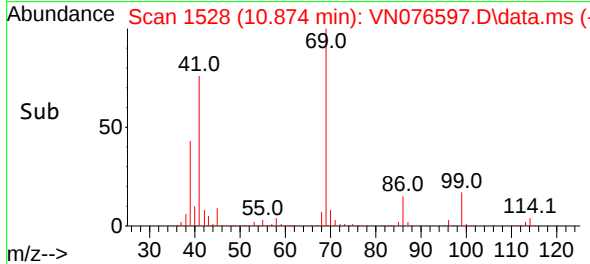
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



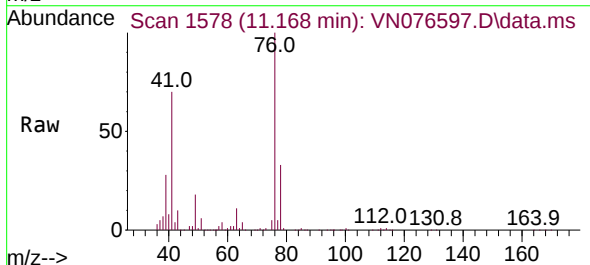
Tgt Ion: 69 Resp: 90752
Ion Ratio Lower Upper
69 100
41 75.6 32.5 97.5
39 43.2 21.5 64.5

Manual Integrations
APPROVED

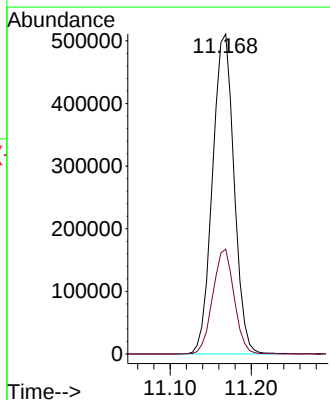
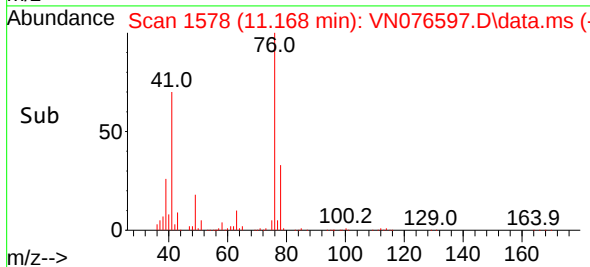
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

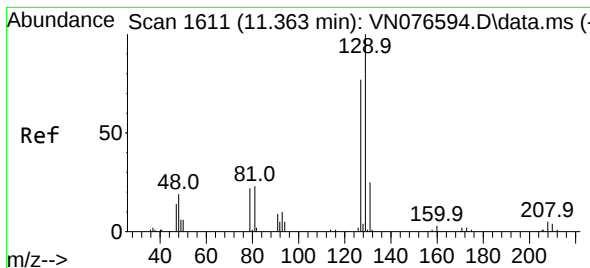


#52
1,3-Dichloropropane
Concen: 144.374 ug/l
RT: 11.168 min Scan# 1578
Delta R.T. 0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



Tgt Ion: 76 Resp: 943870
Ion Ratio Lower Upper
76 100
78 32.5 0.0 63.8





#53

Dibromochloromethane

Concen: 161.831 ug/l

RT: 11.363 min Scan# 1611

Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:129 Resp: 589768

Ion Ratio Lower Upper

129 100

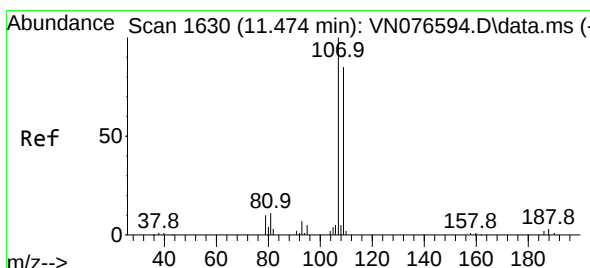
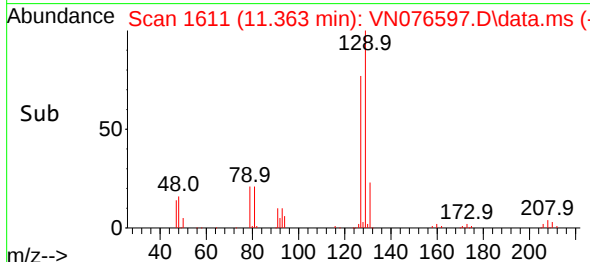
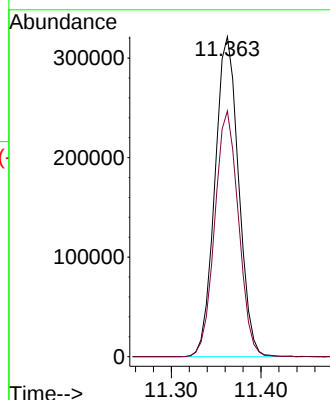
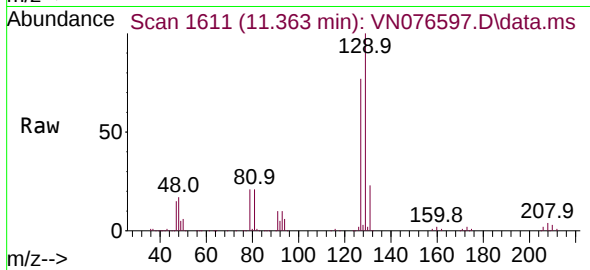
127 76.9 40.6 121.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#54

1,2-Dibromoethane

Concen: 150.898 ug/l

RT: 11.474 min Scan# 1630

Delta R.T. 0.003 min

Lab File: VN076597.D

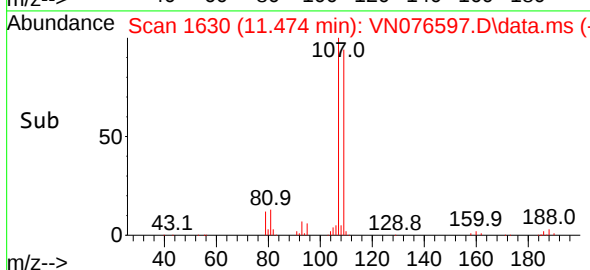
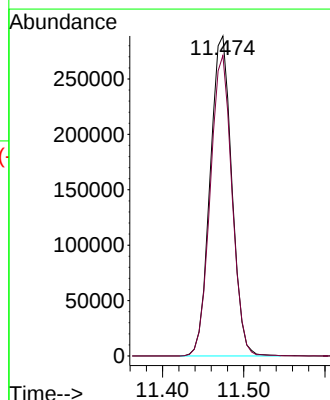
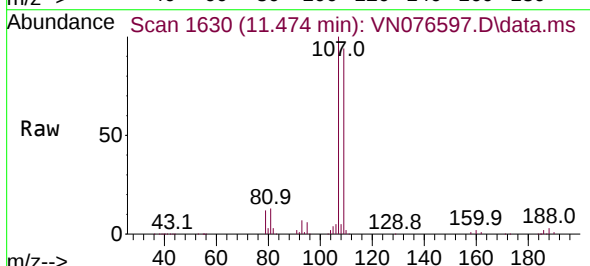
Acq: 09 Feb 2023 19:02

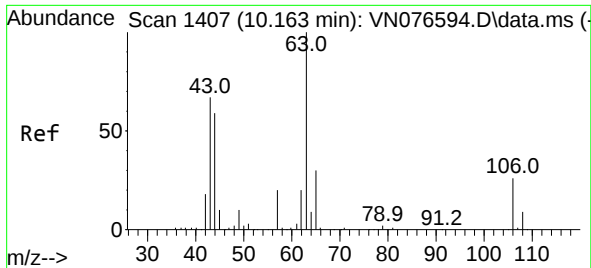
Tgt Ion:107 Resp: 535530

Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.2





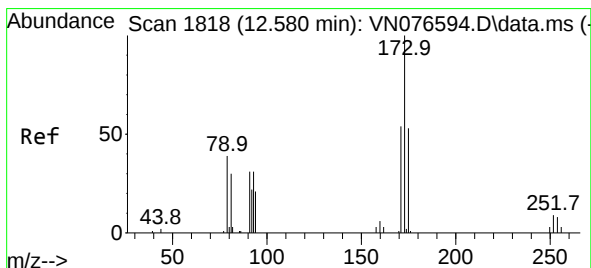
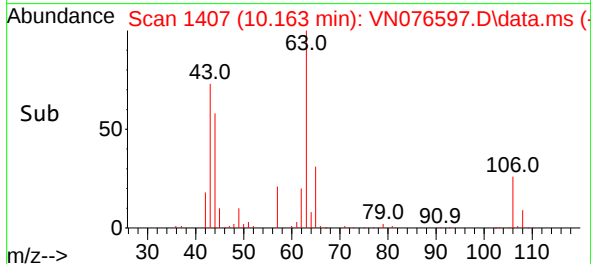
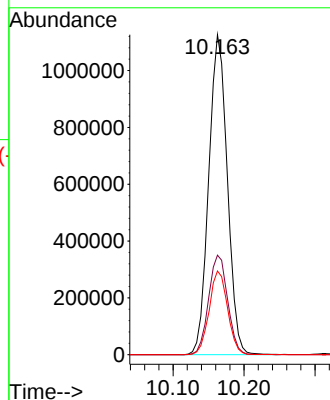
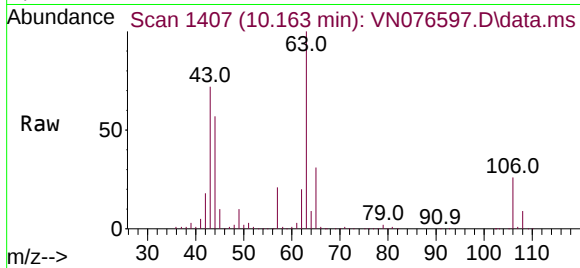
#55
2-Chloroethyl vinyl ether
Concen: 804.819 ug/l
RT: 10.163 min Scan# 1407
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 204724
Ion Ratio Lower Upper
63 100
65 31.9 24.6 36.8
106 26.0 21.3 31.9

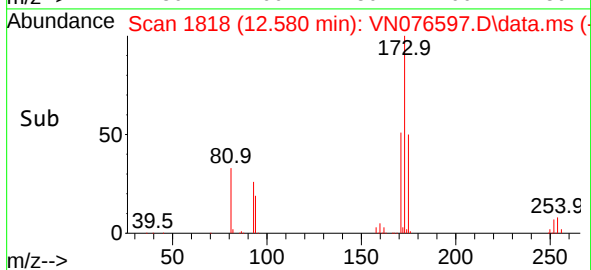
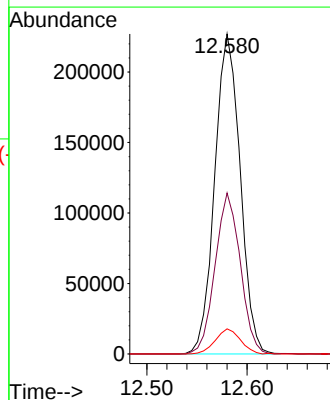
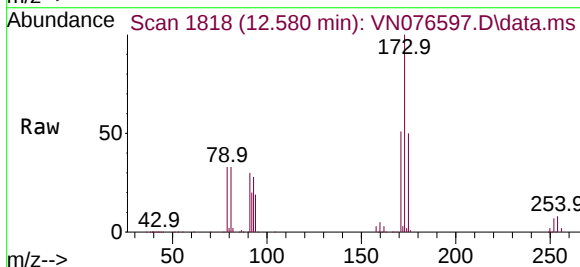
Manual Integrations
APPROVED

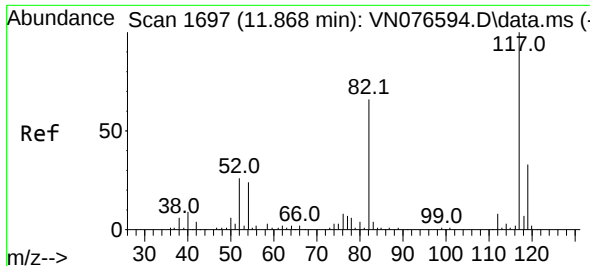
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#56
Bromoform
Concen: 170.570 ug/l
RT: 12.580 min Scan# 1818
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

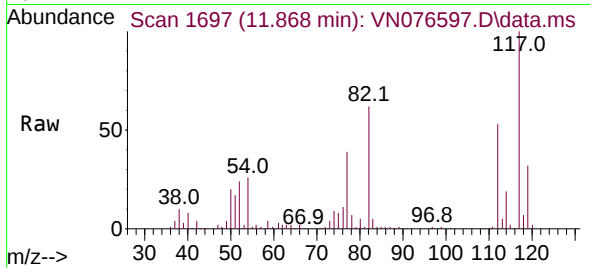
Tgt Ion:173 Resp: 400350
Ion Ratio Lower Upper
173 100
175 49.7 39.1 58.7
254 7.7 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 117
Delta R.T. -0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

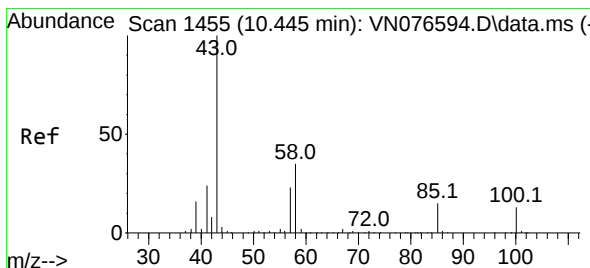
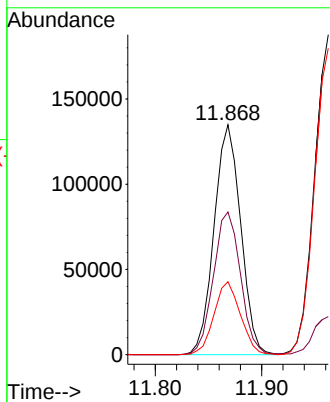
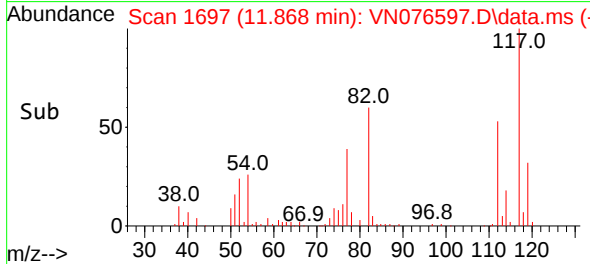
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



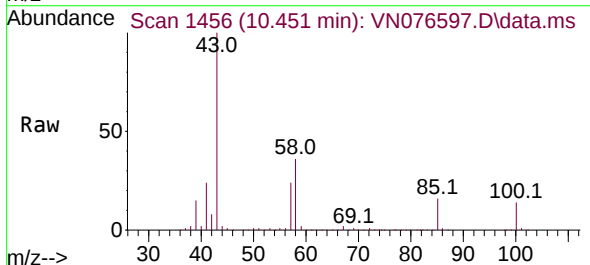
Tgt Ion:117 Resp: 234624
Ion Ratio Lower Upper
117 100
82 63.1 44.6 67.0
119 31.5 25.6 38.4

Manual Integrations
APPROVED

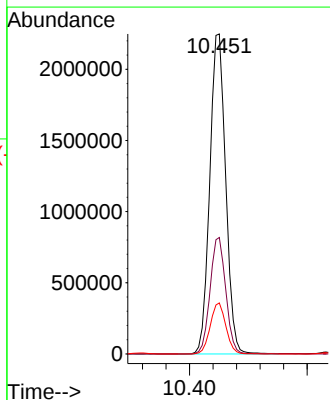
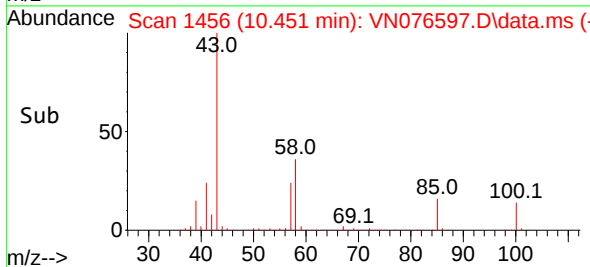
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

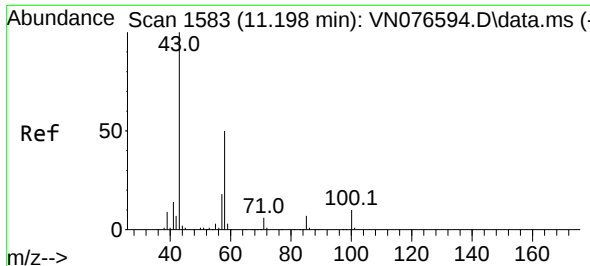


#58
4-Methyl-2-Pentanone
Concen: 643.578 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



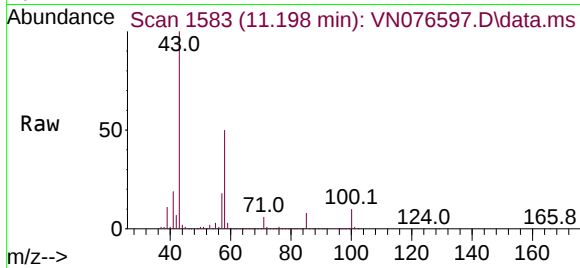
Tgt Ion: 43 Resp: 4221139
Ion Ratio Lower Upper
43 100
58 35.9 30.8 46.2
85 15.7 13.3 19.9





#59
2-Hexanone
Concen: 666.436 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

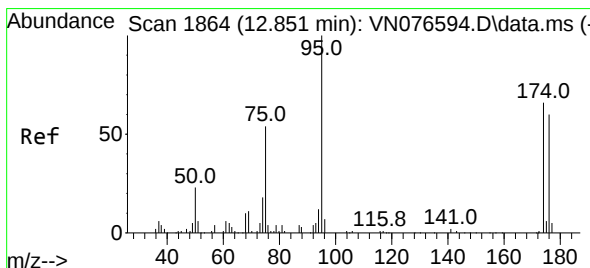
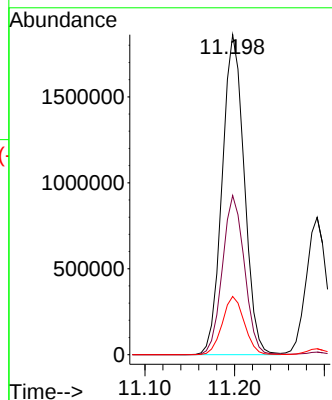
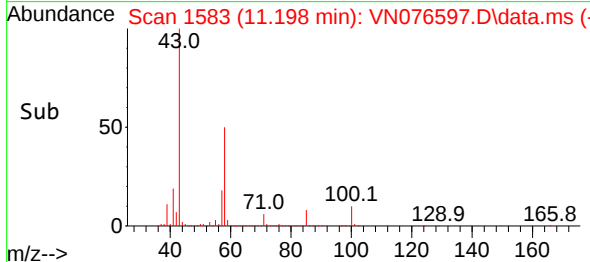
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 317811
Ion Ratio Lower Upper
43 100
58 49.6 43.6 65.4
57 18.2 14.3 21.5

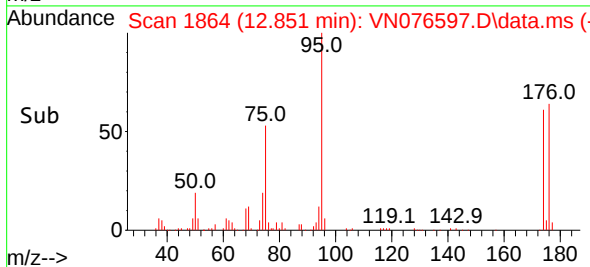
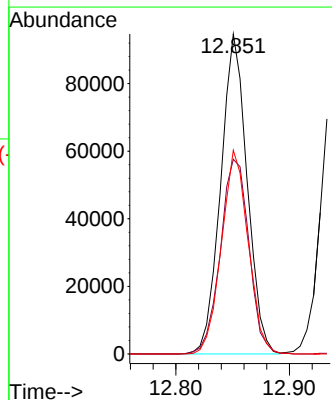
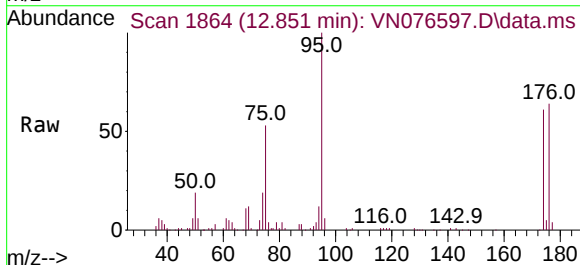
Manual Integrations
APPROVED

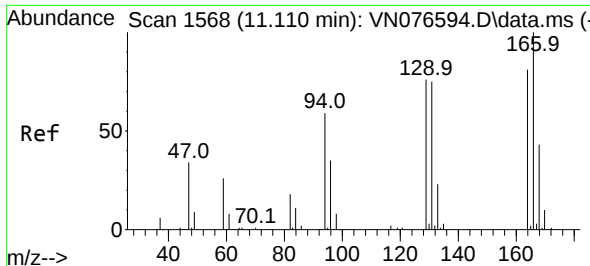
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#60
4-Bromofluorobenzene
Concen: 28.887 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

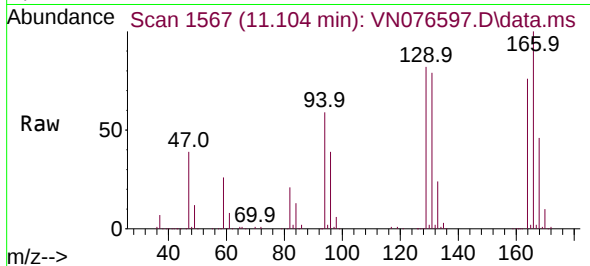
Tgt Ion: 95 Resp: 153011
Ion Ratio Lower Upper
95 100
174 65.7 57.8 86.8
176 64.3 57.0 85.4





#61
Tetrachloroethene
Concen: 132.772 ug/l
RT: 11.104 min Scan# 1568
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

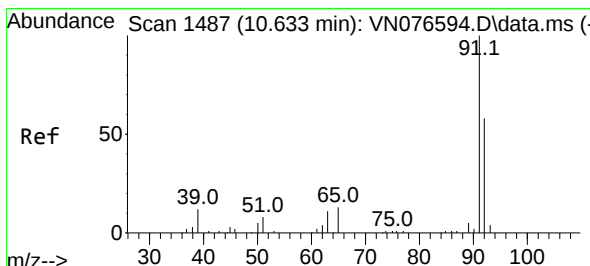
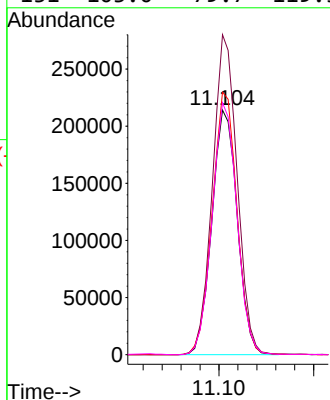
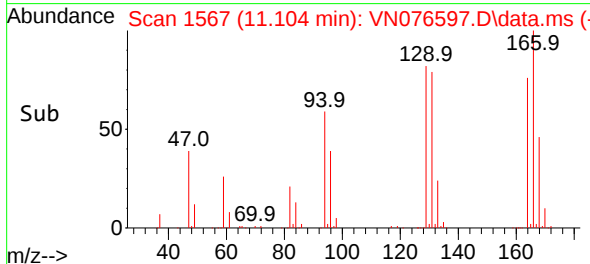
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



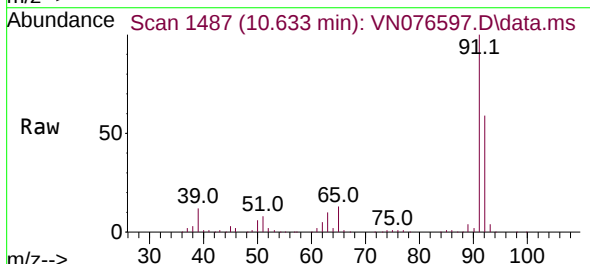
Tgt Ion:164 Resp: 398204
Ion Ratio Lower Upper
164 100
166 130.8 99.6 149.4
129 107.3 84.0 126.0
131 103.0 79.7 119.5

Manual Integrations
APPROVED

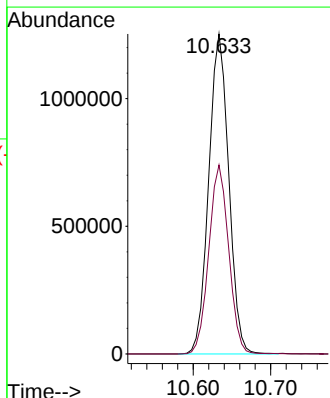
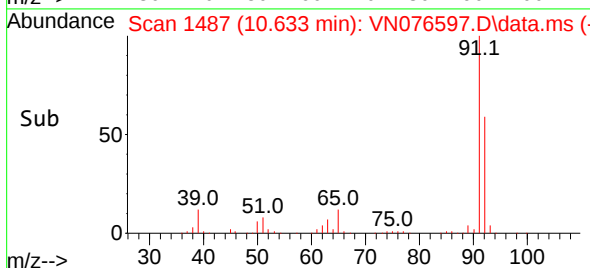
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

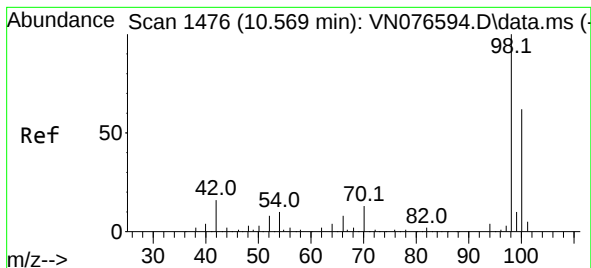


#62
Toluene
Concen: 129.466 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



Tgt Ion: 91 Resp: 2252094
Ion Ratio Lower Upper
91 100
92 58.7 46.0 69.0





#63

Toluene-d8

Concen: 28.575 ug/l

RT: 10.568 min Scan# 1476

Delta R.T. -0.003 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 98 Resp: 24617

Ion Ratio Lower Upper

98 100

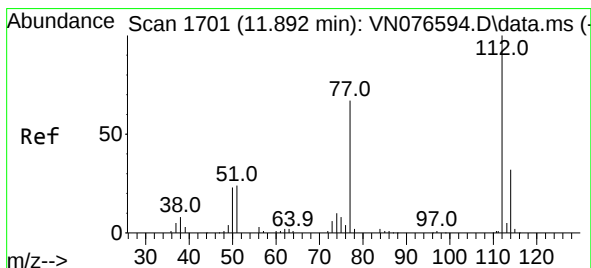
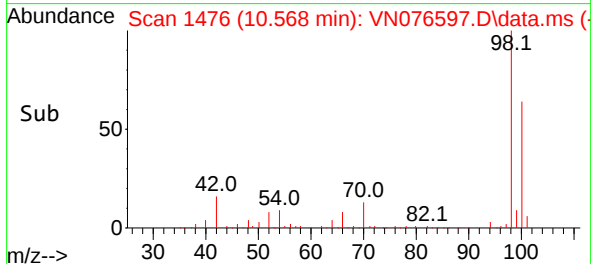
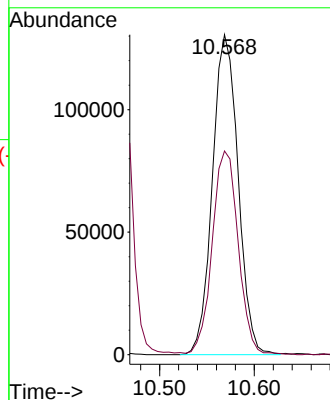
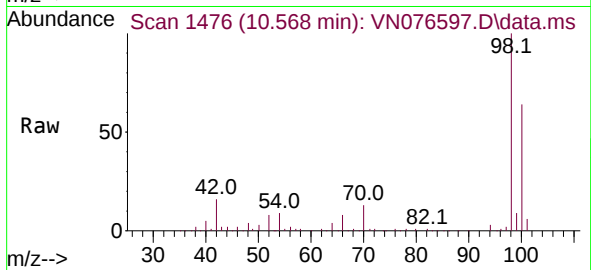
100 63.1 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#64

Chlorobenzene

Concen: 137.067 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. -0.002 min

Lab File: VN076597.D

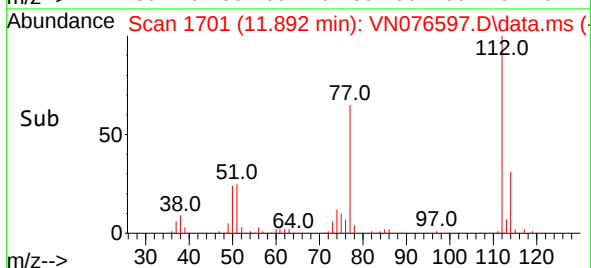
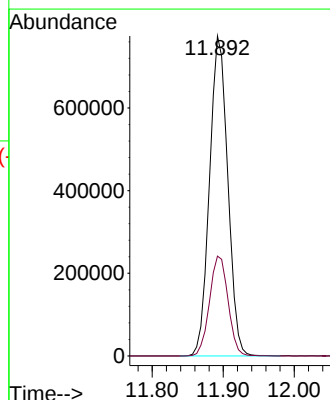
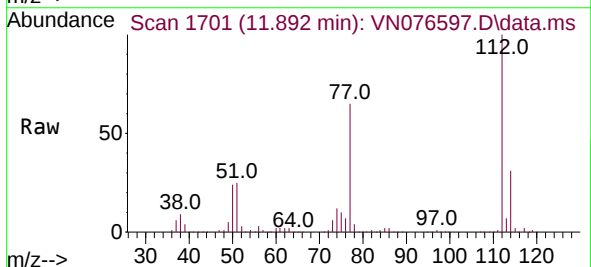
Acq: 09 Feb 2023 19:02

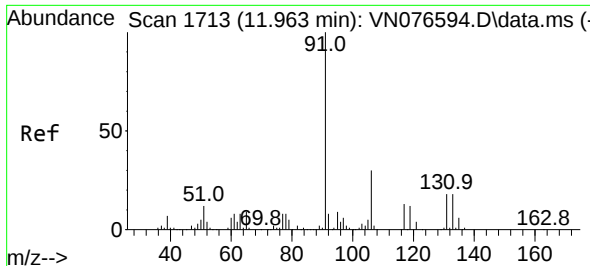
Tgt Ion:112 Resp: 1381220

Ion Ratio Lower Upper

112 100

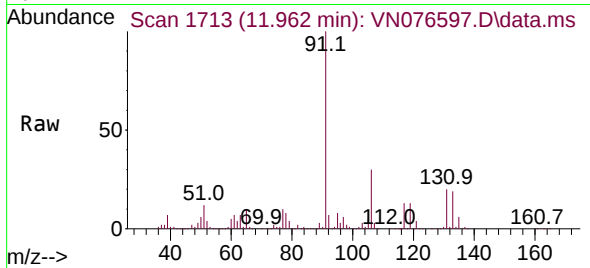
114 31.2 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 133.879 ug/l
RT: 11.962 min Scan# 1713
Delta R.T. -0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

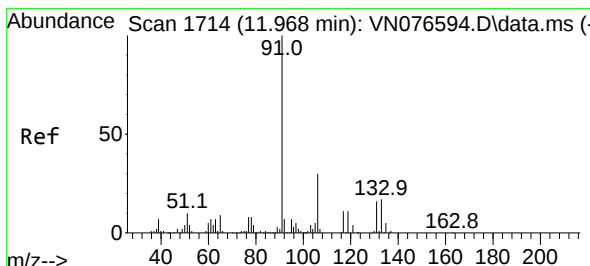
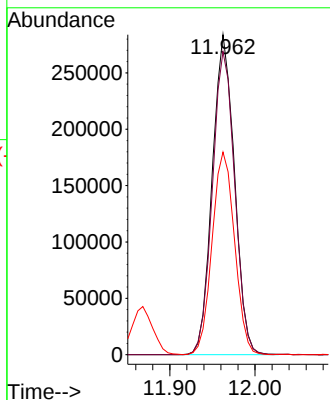
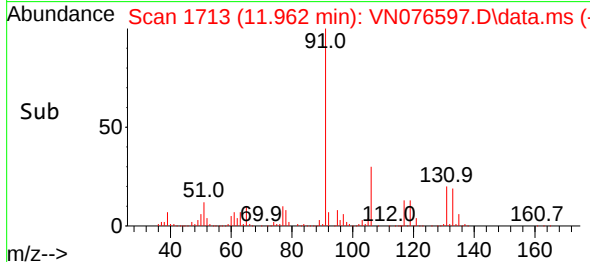
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



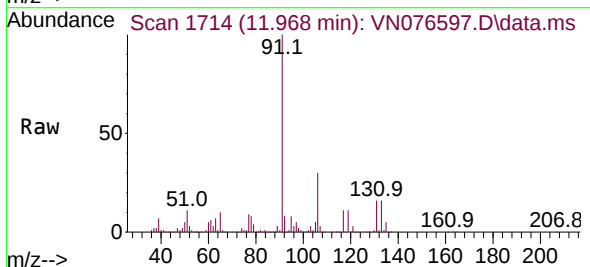
Tgt Ion:131 Resp: 511458
Ion Ratio Lower Upper
131 100
133 95.8 0.0 191.8
119 64.4 0.0 135.8

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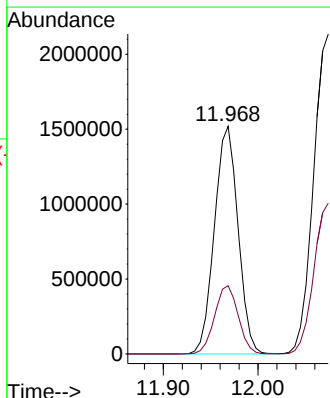
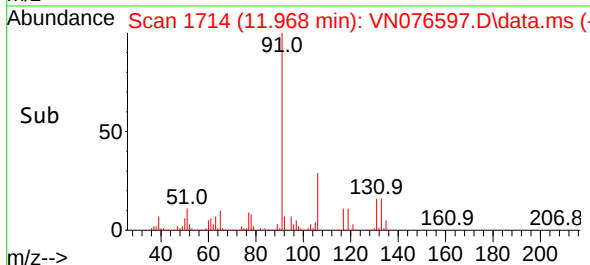
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

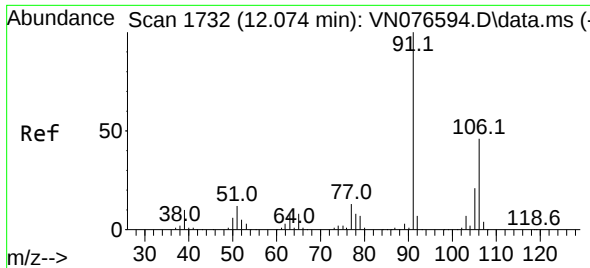


#66
Ethyl Benzene
Concen: 138.199 ug/l
RT: 11.968 min Scan# 1714
Delta R.T. 0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



Tgt Ion: 91 Resp: 2635467
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1





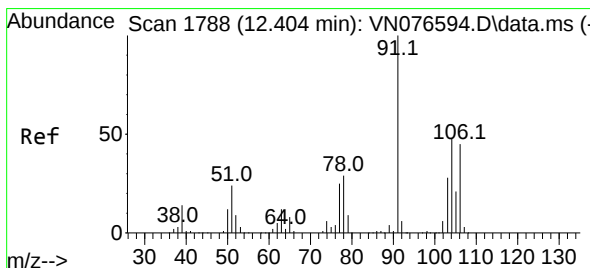
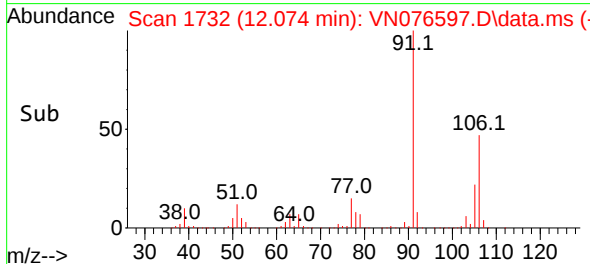
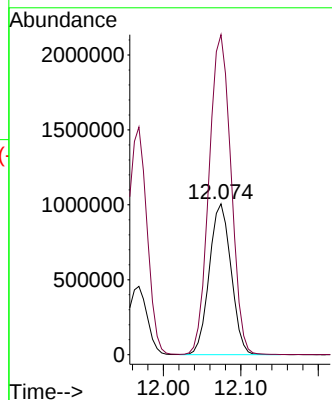
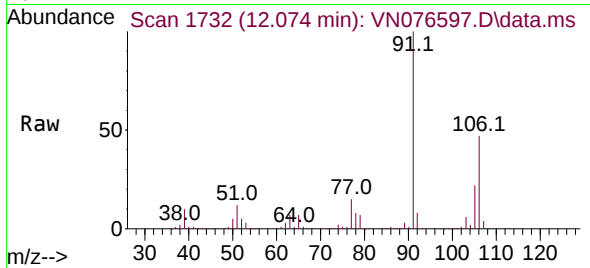
#67
m/p-Xylenes
Concen: 275.454 ug/l
RT: 12.074 min Scan# 1732
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1970890
Ion Ratio Lower Upper
106 100
91 214.6 164.2 246.4

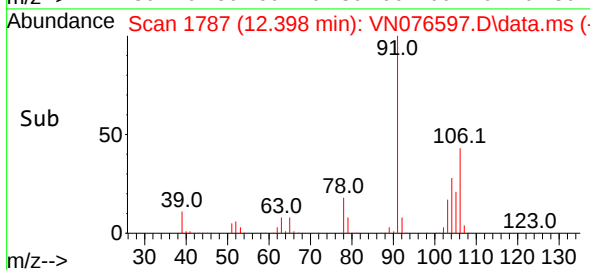
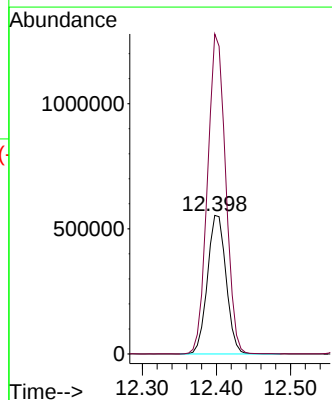
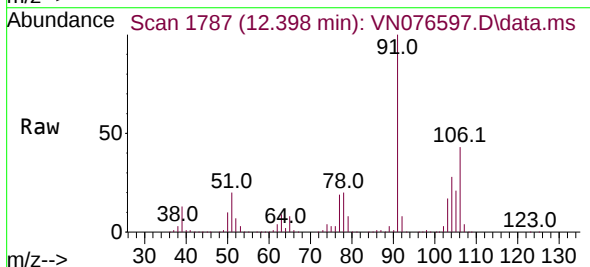
Manual Integrations
APPROVED

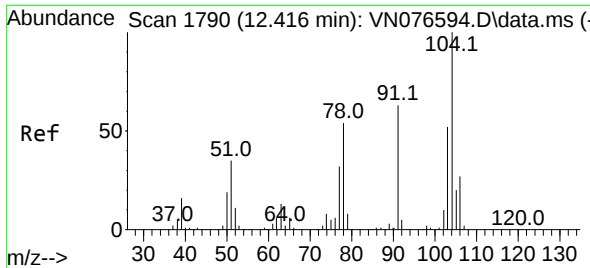
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#68
o-Xylene
Concen: 137.306 ug/l
RT: 12.398 min Scan# 1787
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

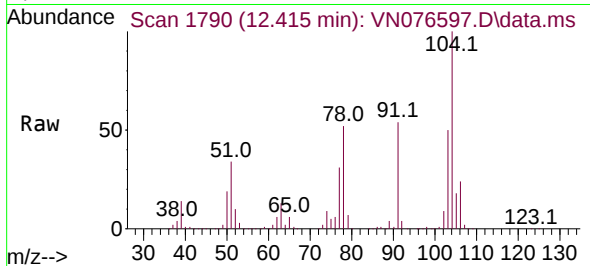
Tgt Ion:106 Resp: 967883
Ion Ratio Lower Upper
106 100
91 224.7 108.5 325.5





#69
Styrene
Concen: 145.990 ug/l
RT: 12.415 min Scan# 1790
Delta R.T. 0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

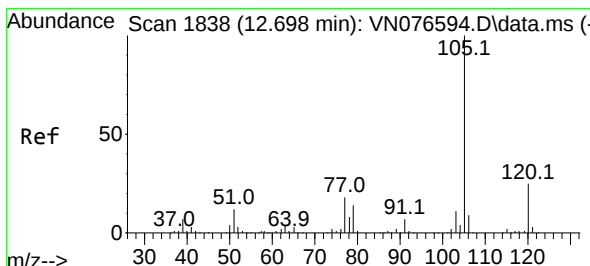
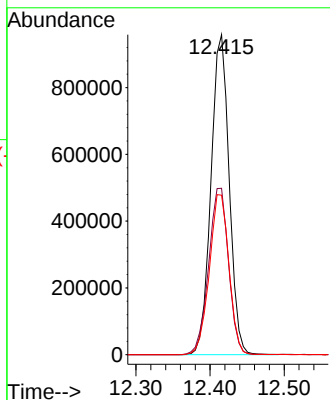
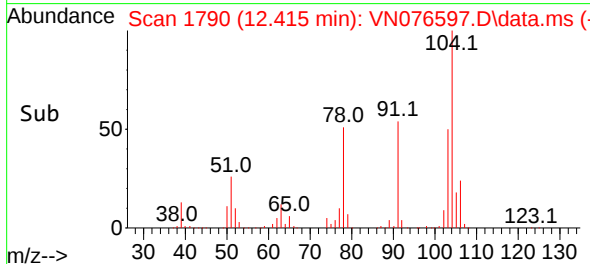
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



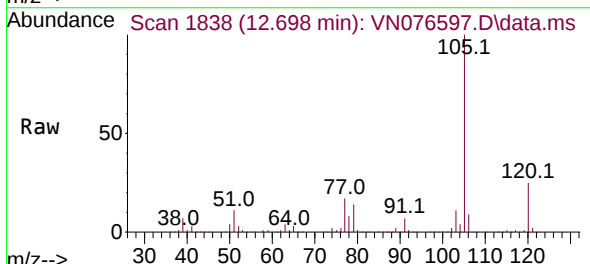
Tgt Ion:104 Resp: 163346
Ion Ratio Lower Upper
104 100
78 56.9 39.9 59.9
103 53.9 43.8 65.8

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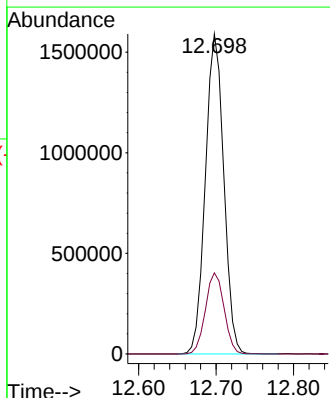
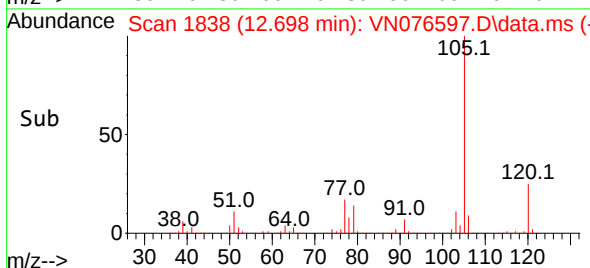
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

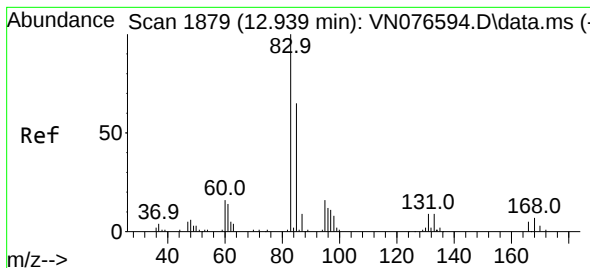


#70
Isopropylbenzene
Concen: 138.691 ug/l
RT: 12.698 min Scan# 1838
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



Tgt Ion:105 Resp: 2619916
Ion Ratio Lower Upper
105 100
120 25.7 18.5 34.3





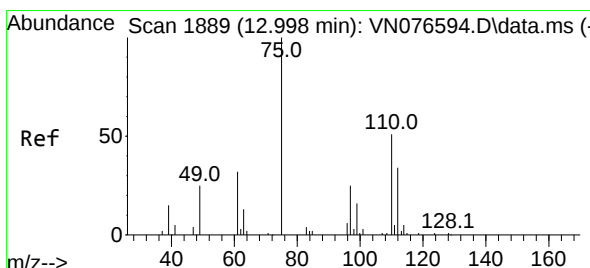
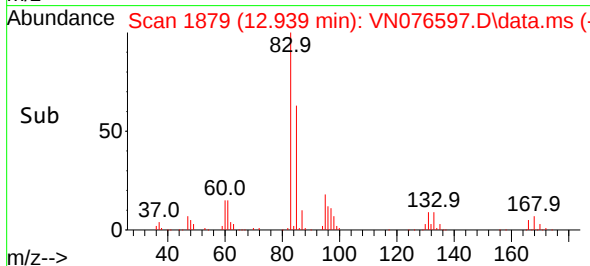
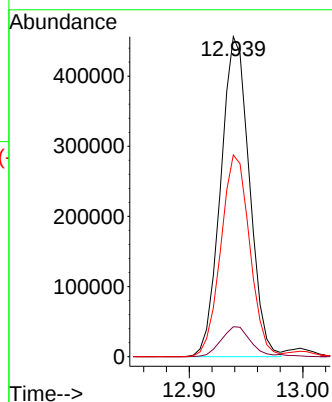
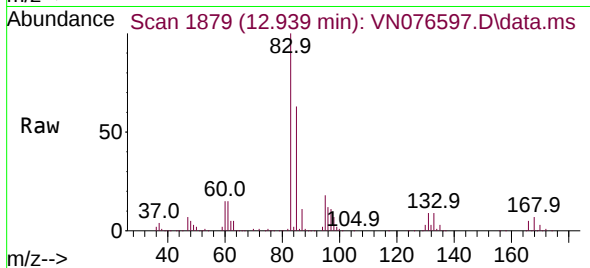
#71
1,1,2,2-Tetrachloroethane
Concen: 121.423 ug/l
RT: 12.939 min Scan# 1879
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 79968
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.5
85 63.6 30.9 92.7

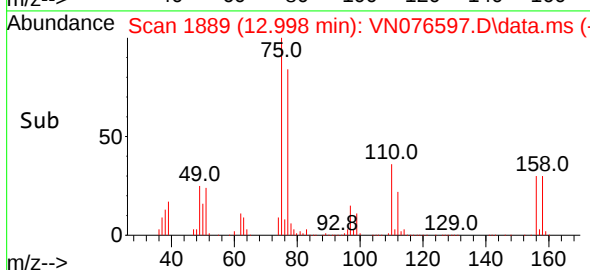
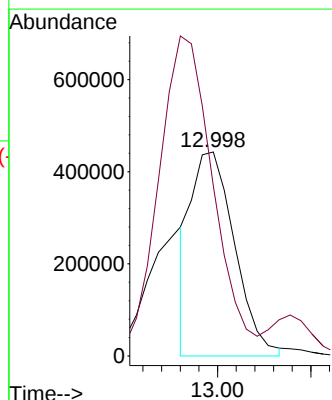
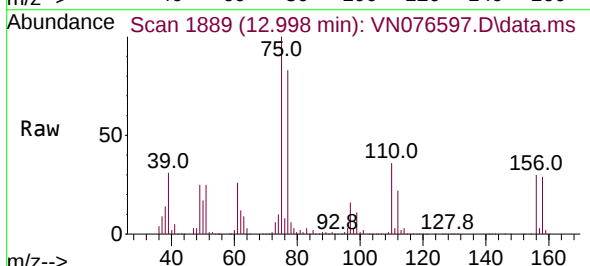
Manual Integrations
APPROVED

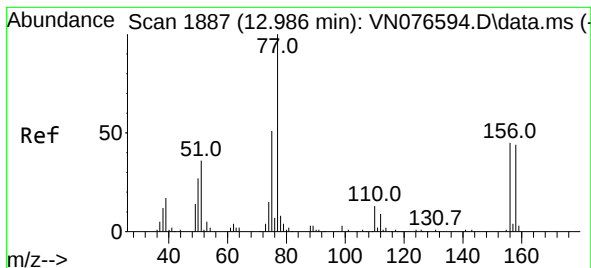
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#72
1,2,3-Trichloropropane
Concen: 119.497 ug/l m
RT: 12.998 min Scan# 1889
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 75 Resp: 716703
Ion Ratio Lower Upper
75 100
77 196.5 0.0 372.4





#73

Bromobenzene

Concen: 125.420 ug/l

RT: 12.980 min Scan# 1887

Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

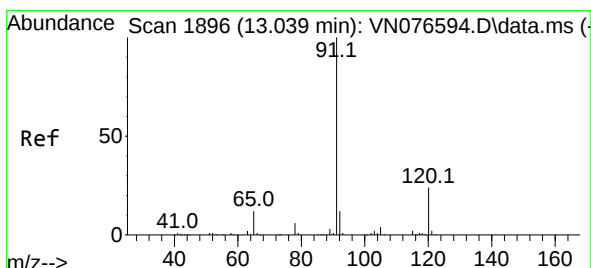
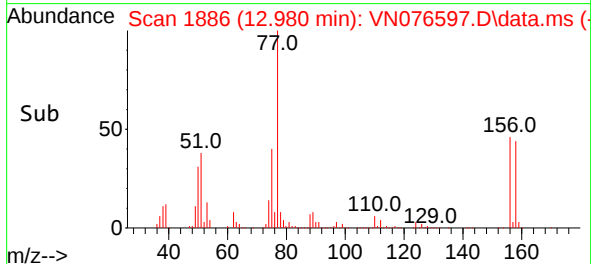
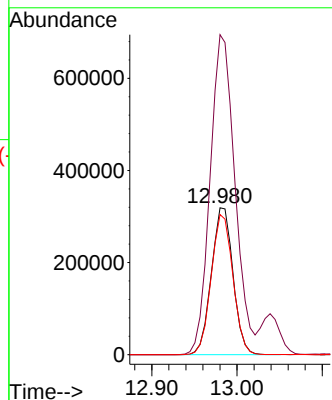
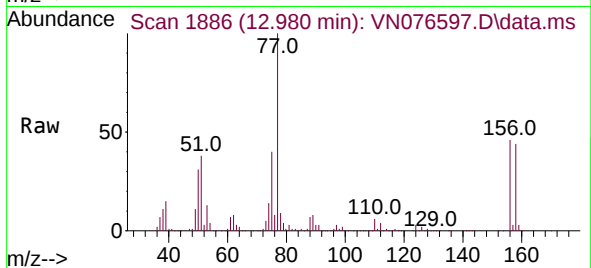
Tgt Ion:156 Resp: 562183
 Ion Ratio Lower Upper
 156 100
 77 250.6 0.0 491.8
 158 95.8 0.0 185.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#74

n-propylbenzene

Concen: 133.023 ug/l

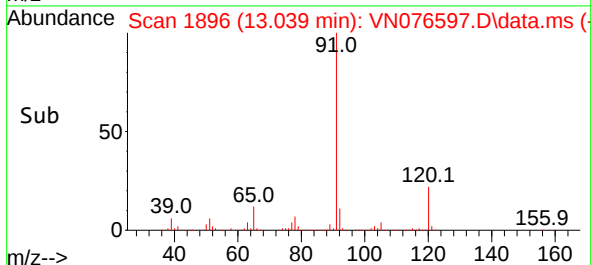
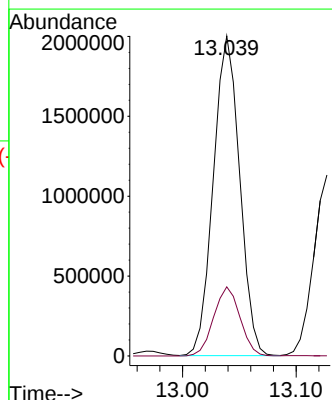
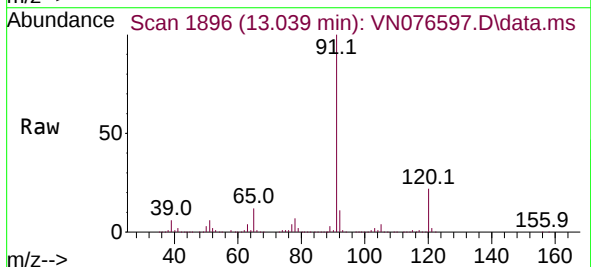
RT: 13.039 min Scan# 1896

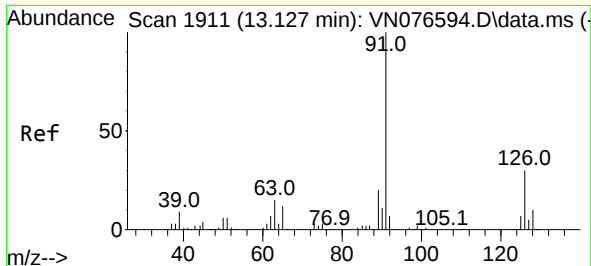
Delta R.T. -0.002 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Tgt Ion: 91 Resp: 3222852
 Ion Ratio Lower Upper
 91 100
 120 21.5 0.0 44.6





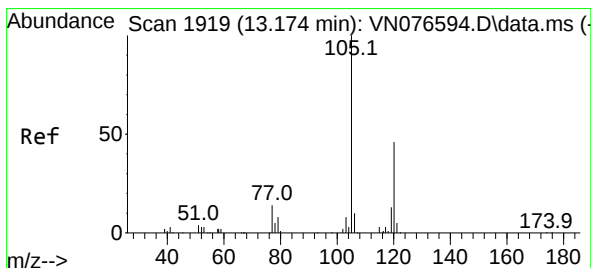
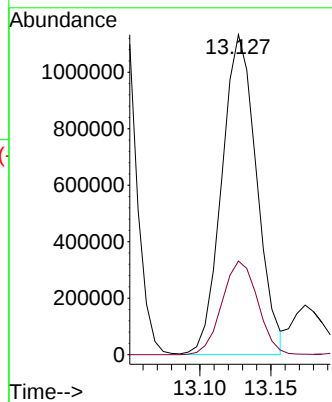
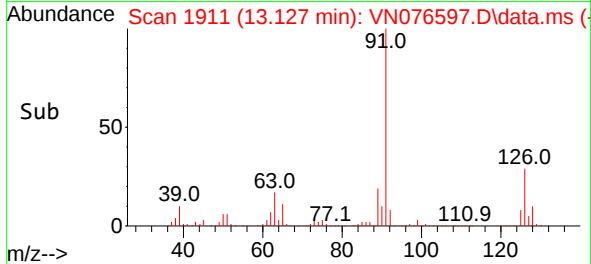
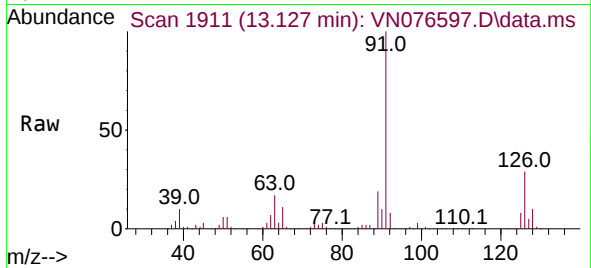
#75
2-Chlorotoluene
Concen: 126.747 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1931664
Ion Ratio Lower Upper
91 100
126 30.0 0.0 66.2

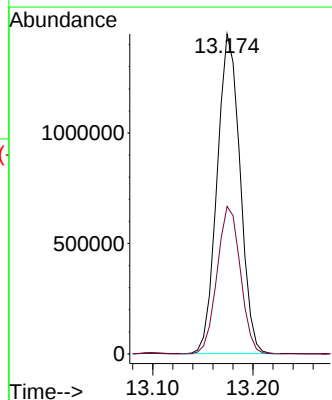
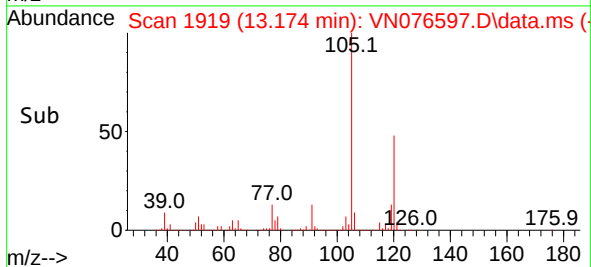
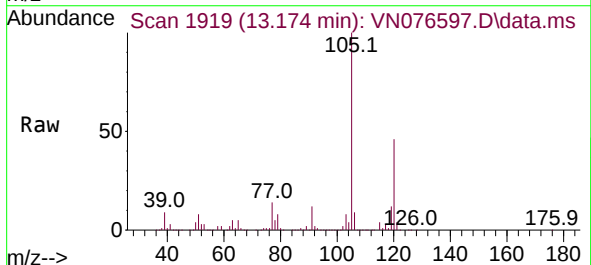
Manual Integrations
APPROVED

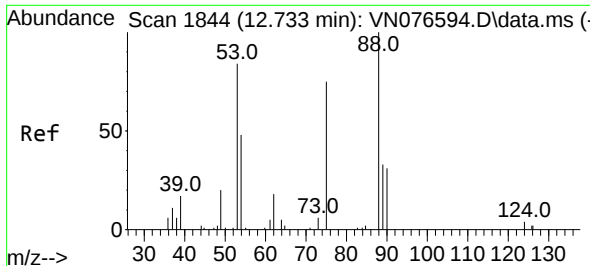
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#76
1,3,5-Trimethylbenzene
Concen: 130.412 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

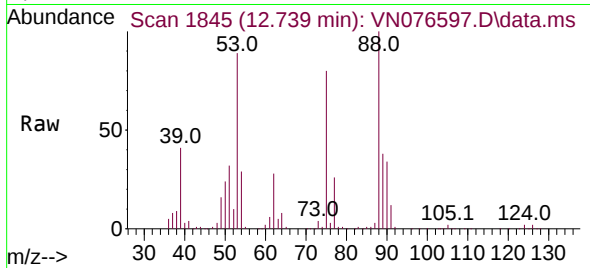
Tgt Ion:105 Resp: 2300466
Ion Ratio Lower Upper
105 100
120 46.8 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 155.890 ug/l
RT: 12.739 min Scan# 1844
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

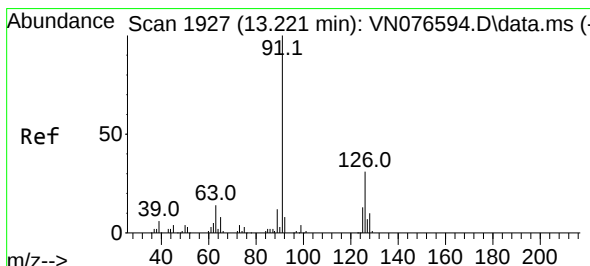
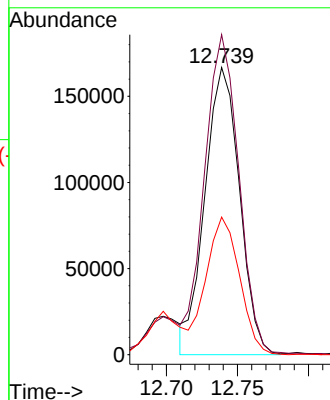
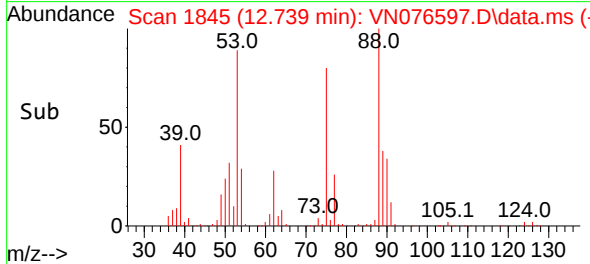
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 282830
Ion Ratio Lower Upper
75 100
53 111.0 43.3 129.9
89 47.9 21.1 63.1

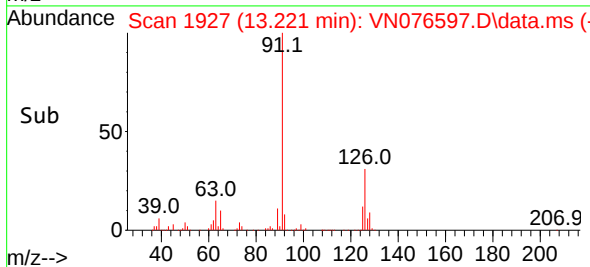
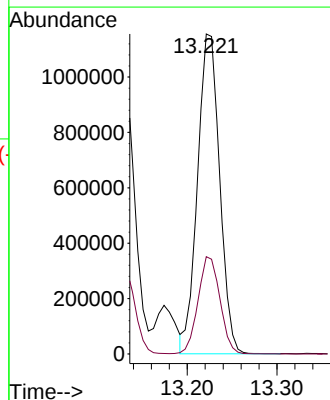
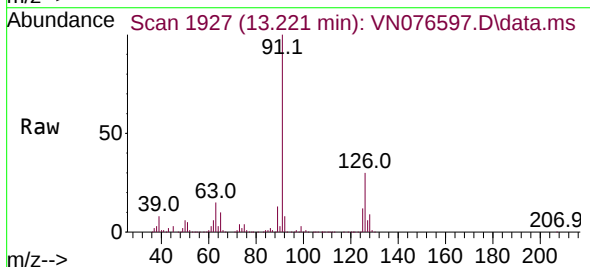
Manual Integrations
APPROVED

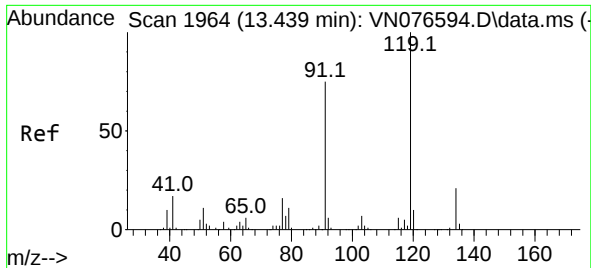
Reviewed By :John Carbone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#78
4-Chlorotoluene
Concen: 128.998 ug/l
RT: 13.221 min Scan# 1927
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Tgt Ion: 91 Resp: 1976772
Ion Ratio Lower Upper
91 100
126 30.2 0.0 67.8





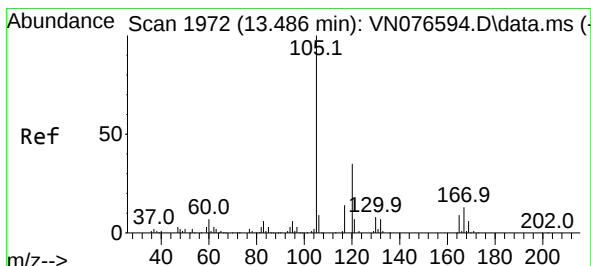
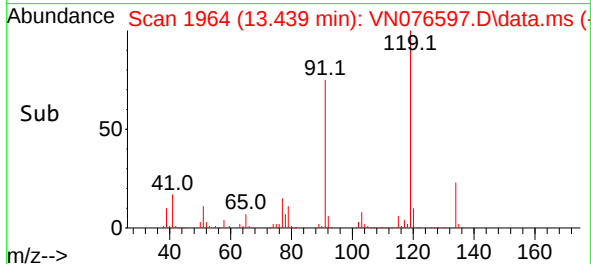
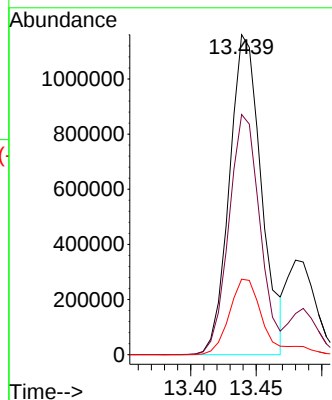
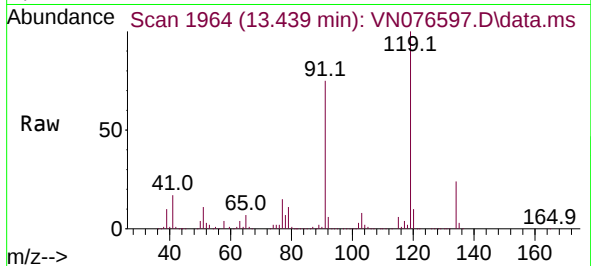
#79
tert-butylbenzene
Concen: 131.850 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. -0.002 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 197416
Ion Ratio Lower Upper
119 100
91 73.1 0.0 129.0
134 23.7 0.0 52.2

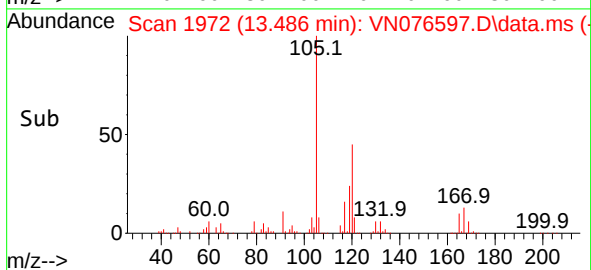
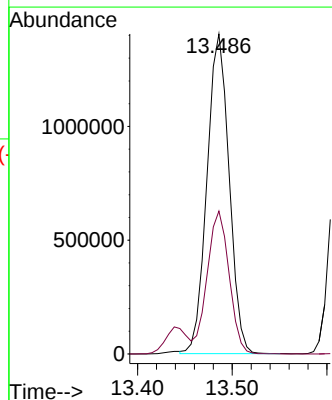
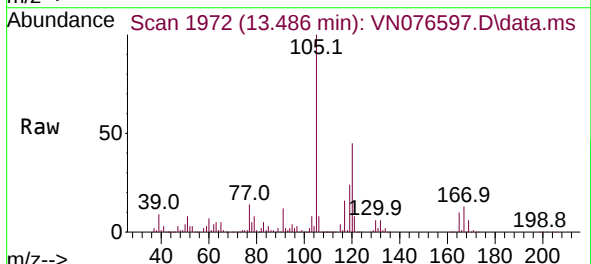
Manual Integrations
APPROVED

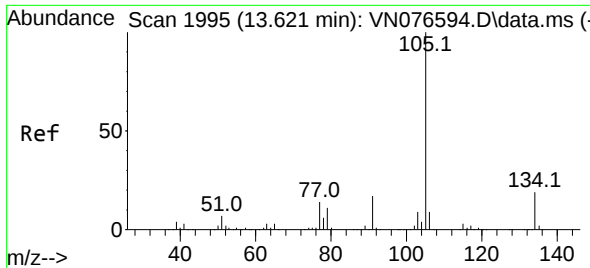
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023



#80
1,2,4-Trimethylbenzene
Concen: 130.863 ug/l
RT: 13.486 min Scan# 1972
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

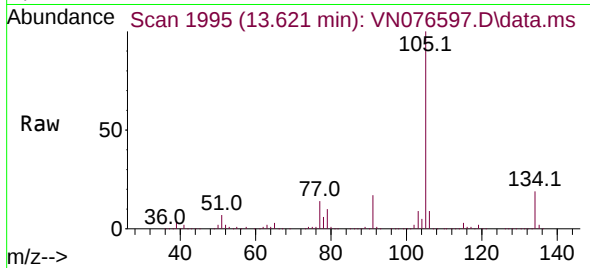
Tgt Ion:105 Resp: 2276591
Ion Ratio Lower Upper
105 100
120 44.3 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 136.277 ug/l
 RT: 13.621 min Scan# 1995
 Delta R.T. 0.003 min
 Lab File: VN076597.D
 Acq: 09 Feb 2023 19:02

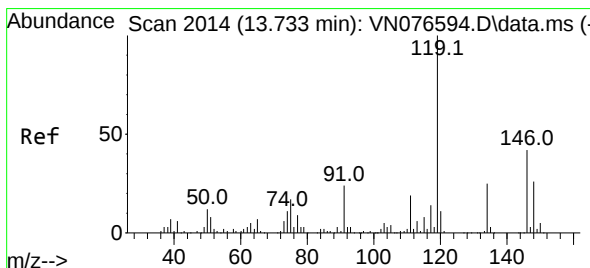
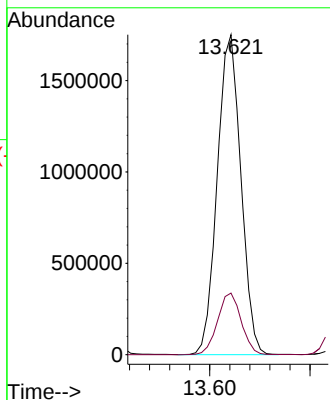
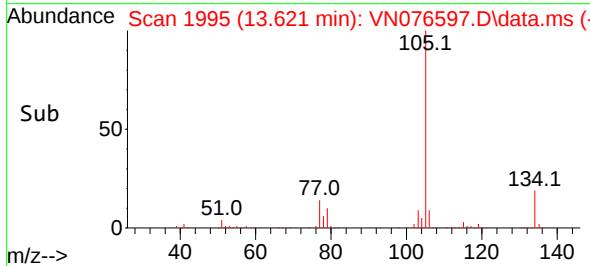
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



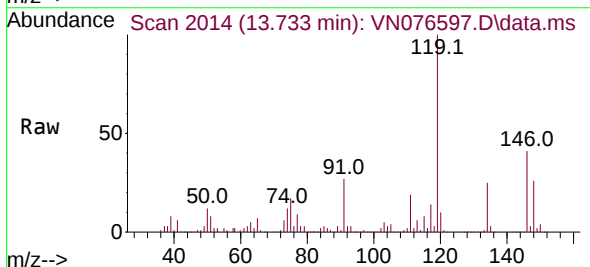
Tgt Ion:105 Resp: 2857120
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.8

Manual Integrations
 APPROVED

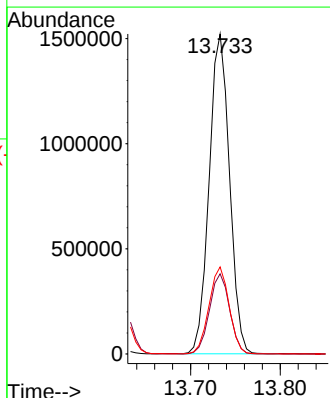
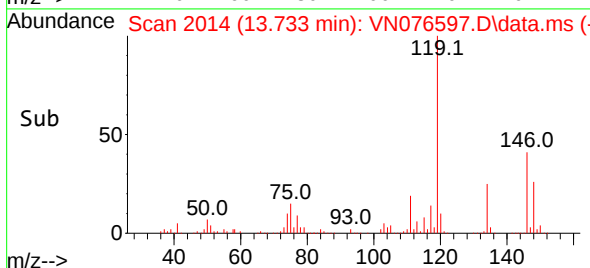
Reviewed By :John Carlone 02/10/2023
 Supervised By :Semsettin Yesilyurt 02/10/2023

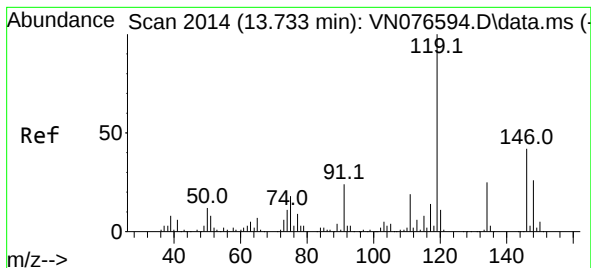


#82
 p-Isopropyltoluene
 Concen: 142.093 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076597.D
 Acq: 09 Feb 2023 19:02



Tgt Ion:119 Resp: 2393694
 Ion Ratio Lower Upper
 119 100
 134 24.9 0.0 51.4
 91 27.0 0.0 46.8





#83

1,3-Dichlorobenzene

Concen: 132.377 ug/l

RT: 13.739 min Scan# 2014

Delta R.T. 0.004 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 109751

Ion Ratio Lower Upper

146 100

111 45.4 20.5 61.5

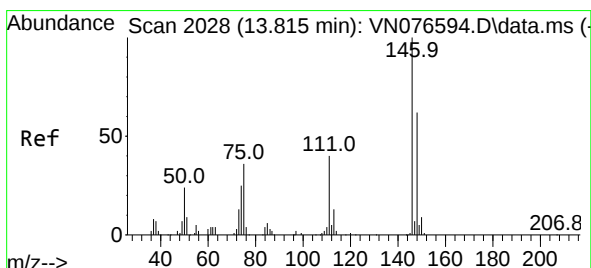
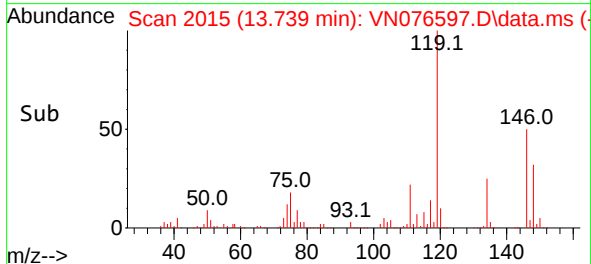
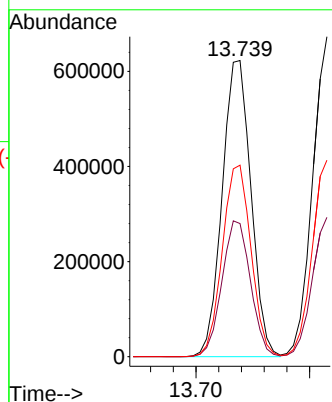
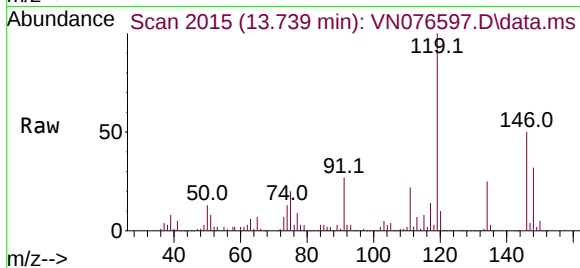
148 64.3 31.0 93.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#84

1,4-Dichlorobenzene

Concen: 135.425 ug/l

RT: 13.815 min Scan# 2028

Delta R.T. 0.003 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

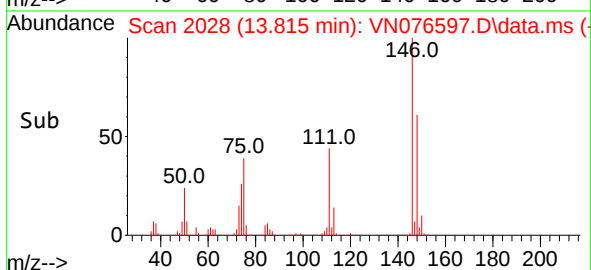
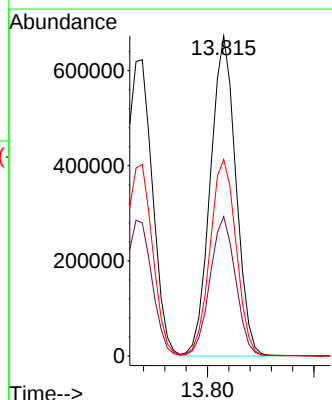
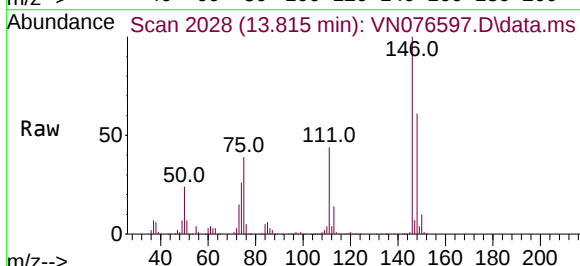
Tgt Ion:146 Resp: 1120186

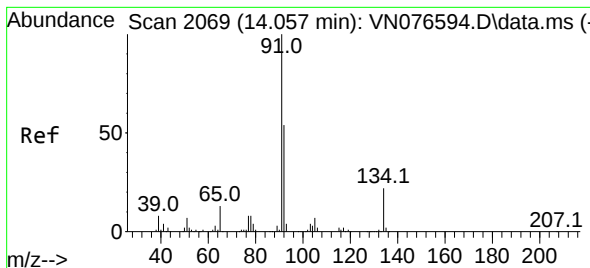
Ion Ratio Lower Upper

146 100

111 43.4 19.1 57.5

148 62.6 31.7 95.1





#85

n-Butylbenzene

Concen: 145.575 ug/l

RT: 14.056 min Scan# 2069

Delta R.T. -0.003 min

Lab File: VN076597.D

Acq: 09 Feb 2023 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 227730

Ion Ratio Lower Upper

91 100

92 53.7 0.0 105.4

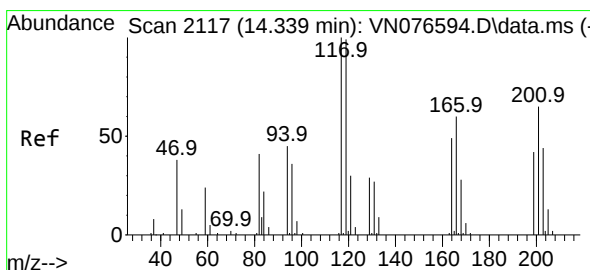
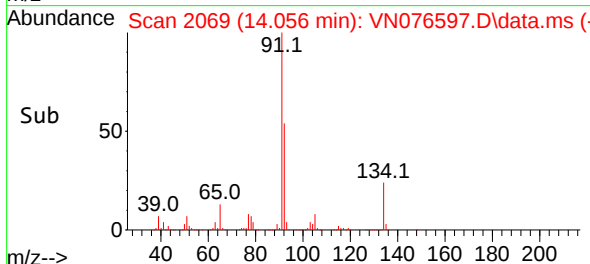
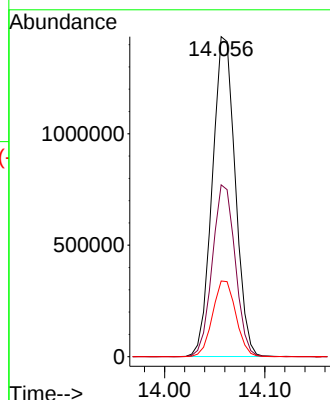
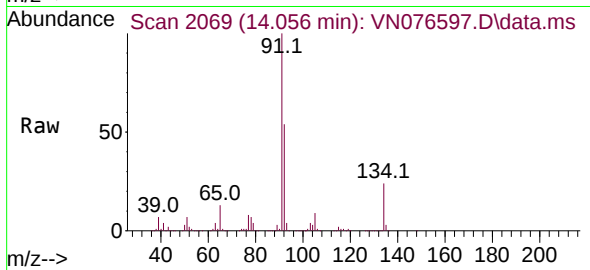
134 24.1 0.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2023

Supervised By :Semsettin Yesilyurt 02/10/2023



#86

Hexachloroethane

Concen: 136.010 ug/l

RT: 14.339 min Scan# 2117

Delta R.T. 0.010 min

Lab File: VN076597.D

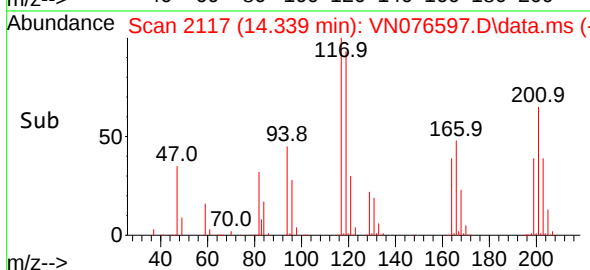
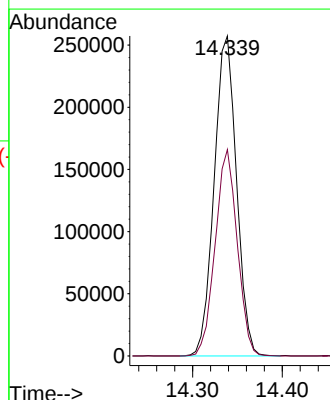
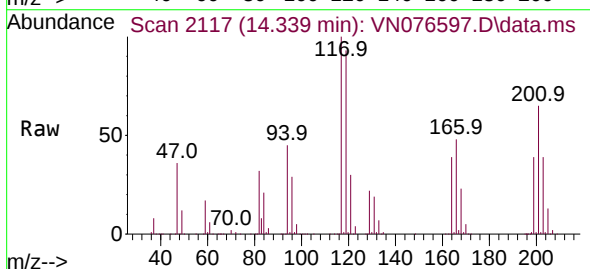
Acq: 09 Feb 2023 19:02

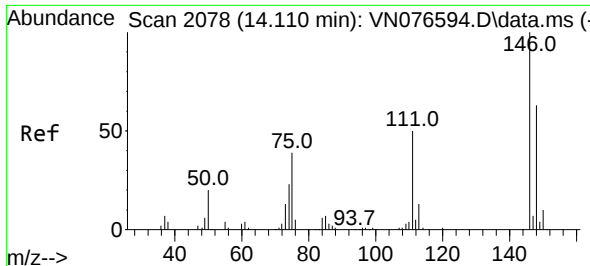
Tgt Ion:117 Resp: 444878

Ion Ratio Lower Upper

117 100

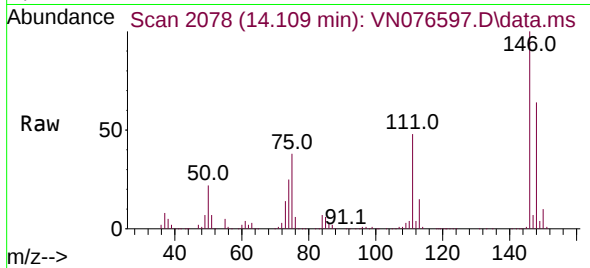
201 63.6 29.4 88.3





#87
1,2-Dichlorobenzene
Concen: 120.478 ug/l
RT: 14.109 min Scan# 2078
Delta R.T. 0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

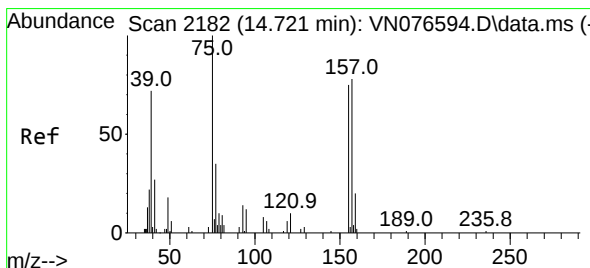
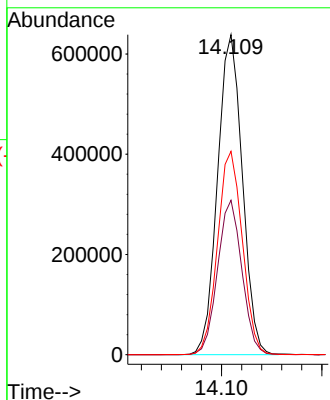
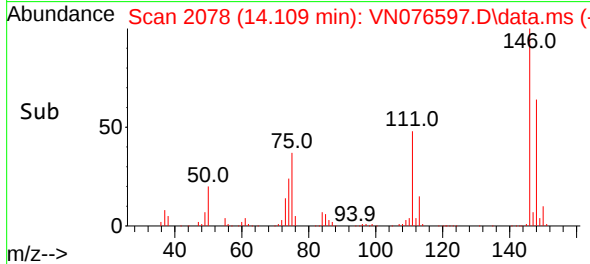
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



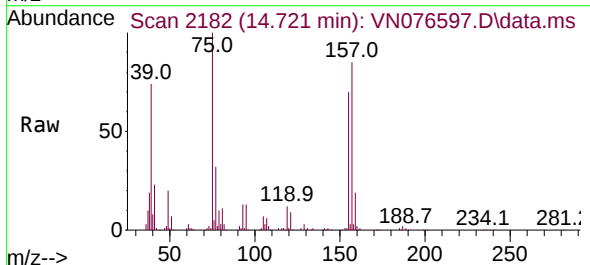
Tgt Ion:146 Resp: 109647
Ion Ratio Lower Upper
146 100
111 47.4 21.4 64.2
148 63.6 30.6 92.0

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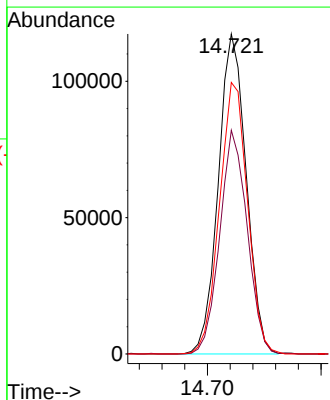
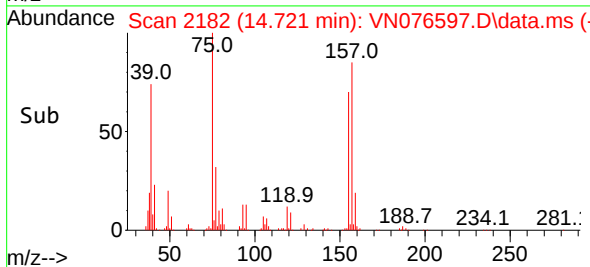
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

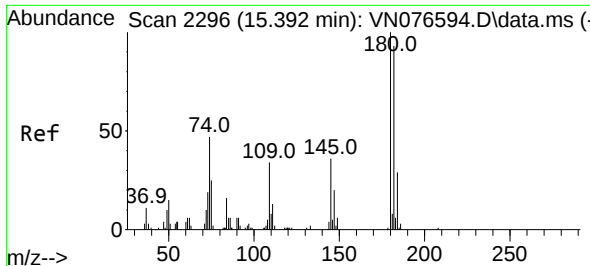


#88
1,2-Dibromo-3-Chloropropane
Concen: 148.910 ug/l
RT: 14.721 min Scan# 2182
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



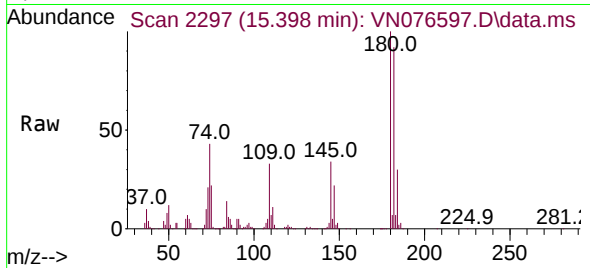
Tgt Ion: 75 Resp: 199915
Ion Ratio Lower Upper
75 100
155 68.6 66.3 99.5
157 85.5 84.3 126.5





#89
1,2,4-Trichlorobenzene
Concen: 161.305 ug/l
RT: 15.398 min Scan# 2296
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

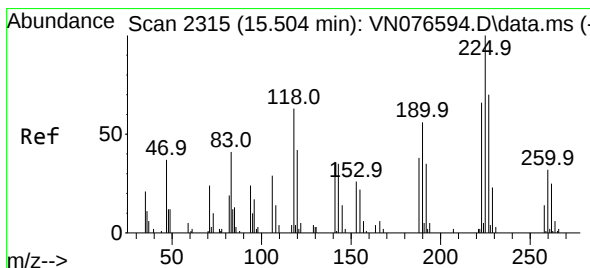
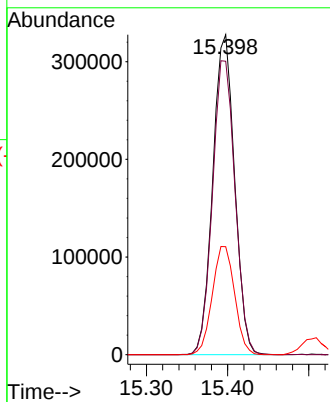
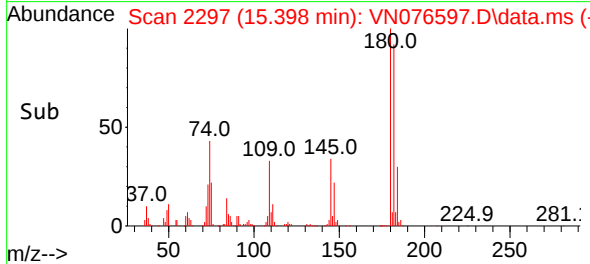
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



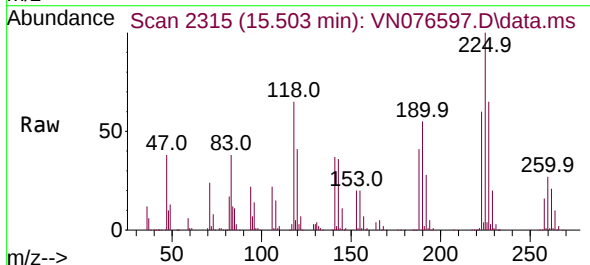
Tgt Ion:180 Resp: 612258
Ion Ratio Lower Upper
180 100
182 95.0 74.9 112.3
145 34.6 26.3 39.5

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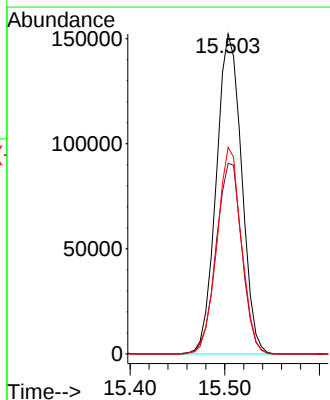
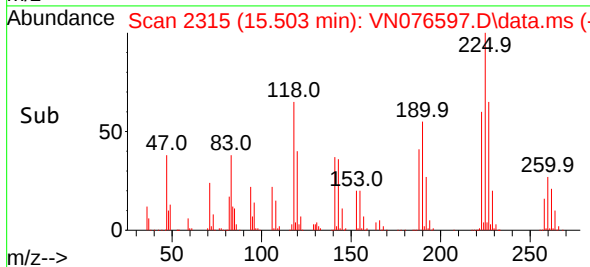
Reviewed By :John Carlone 02/10/2023
Supervised By :Semsettin Yesilyurt 02/10/2023

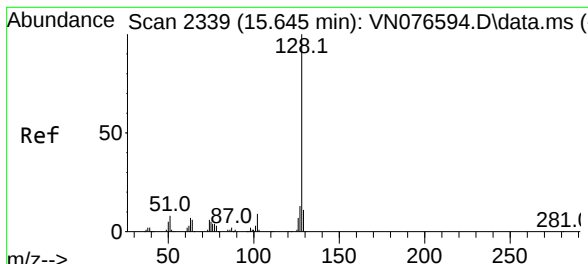


#90
Hexachlorobutadiene
Concen: 154.647 ug/l
RT: 15.503 min Scan# 2315
Delta R.T. 0.003 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



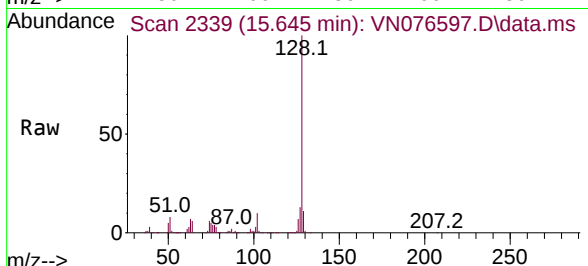
Tgt Ion:225 Resp: 283570
Ion Ratio Lower Upper
225 100
223 60.5 0.0 125.0
227 62.1 0.0 123.0





#91
Naphthalene
Concen: 165.748 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02

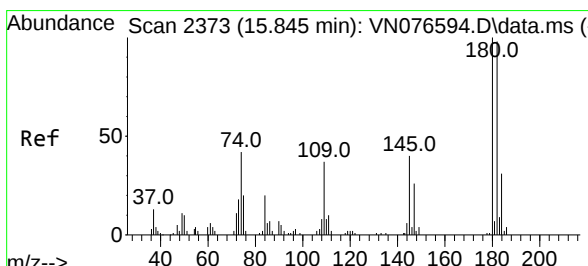
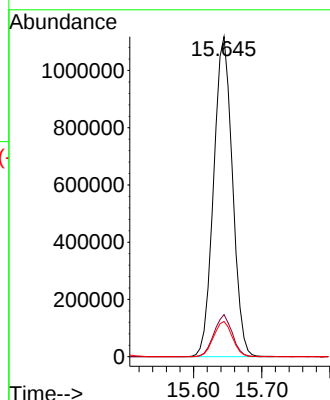
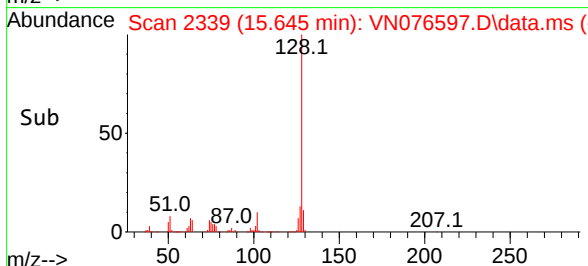
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



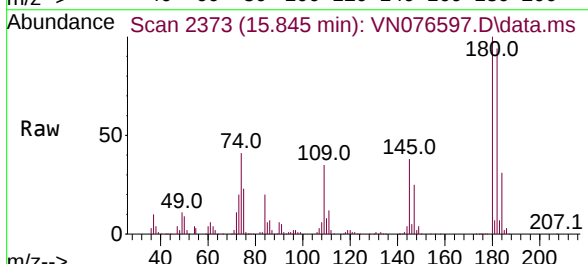
Tgt Ion:128 Resp: 2146528
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 11.0 8.9 13.3

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 158.438 ug/l
RT: 15.845 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN076597.D
Acq: 09 Feb 2023 19:02



Tgt Ion:180 Resp: 600218
Ion Ratio Lower Upper
180 100
182 95.0 0.0 185.4
145 37.6 0.0 68.6

