

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078924.D
 Acq On : 17 Aug 2023 14:15
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 18 05:06:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:01:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2023
 Supervised By : Semsettin Yesilyurt 08/18/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	45197	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	252598	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	228913	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	107737	29.423	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.067%		
60) 4-Bromofluorobenzene	12.853	95	104205	31.207	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	104.033%		
63) Toluene-d8	10.571	98	314674	29.436	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.133%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	140292	49.190	ug/l	98
3) Chloromethane	2.365	50	163691	47.891	ug/l	99
4) Vinyl Chloride	2.512	62	164341	48.580	ug/l	97
5) Bromomethane	2.936	94	96002	45.975	ug/l	96
6) Chloroethane	3.106	64	107558	48.927	ug/l	94
7) Trichlorofluoromethane	3.489	101	224476	49.267	ug/l	100
8) Diethyl Ether	3.959	74	86704	50.595	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	117404	49.391	ug/l	89
10) 1,1-Dichloroethene	4.342	96	118330	49.083	ug/l #	85
11) Methyl Iodide	4.589	142	148773	51.498	ug/l	94
12) Methyl Acetate	5.030	43	285883	50.946	ug/l	96
13) Acrolein	4.177	56	86639	221.512	ug/l	99
14) Acrylonitrile	5.724	53	385652	261.442	ug/l #	92
15) Acetone	4.436	58	105701	233.332	ug/l	93
16) Carbon Disulfide	4.712	76	326365	47.446	ug/l	98
17) Allyl chloride	5.030	41	208774	48.546	ug/l	96
18) Methylene Chloride	5.283	84	141806	49.548	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	129716	48.143	ug/l	97
20) Diisopropyl ether	6.677	45	481144	50.408	ug/l #	92
21) 1,1-Dichloroethane	6.571	63	267004	50.412	ug/l	96
22) cis-1,2-Dichloroethene	7.494	96	157879	51.196	ug/l	98
23) tert-Butyl Alcohol	5.536	59	142540	259.055	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	432826	50.907	ug/l	99
25) Chloroform	7.971	83	268000	50.228	ug/l	94
26) Cyclohexane	8.265	56	199407	51.468	ug/l #	96
29) 1,1-Dichloropropene	8.377	75	197976	51.522	ug/l	99
30) 2-Butanone	7.489	43	566426	251.803	ug/l	99
31) 2,2-Dichloropropane	7.494	77	217852	51.298	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	231218	50.400	ug/l	97
33) Carbon Tetrachloride	8.365	117	203197	51.135	ug/l	94
34) Benzene	8.612	78	578122	50.206	ug/l	100
35) Methacrylonitrile	7.783	41	128755	53.703	ug/l	95
36) 1,2-Dichloroethane	8.677	62	217253	50.381	ug/l	97
37) Trichloroethene	9.359	130	142857	49.839	ug/l	93
38) Methylcyclohexane	9.606	83	178687	52.819	ug/l	98
39) 1,2-Dichloropropane	9.630	63	155841	50.243	ug/l	95
40) Dibromomethane	9.712	93	105419	50.703	ug/l	98
41) Bromodichloromethane	9.894	83	211393	50.558	ug/l	95
42) Vinyl Acetate	6.606	43	1655902	261.091	ug/l	99

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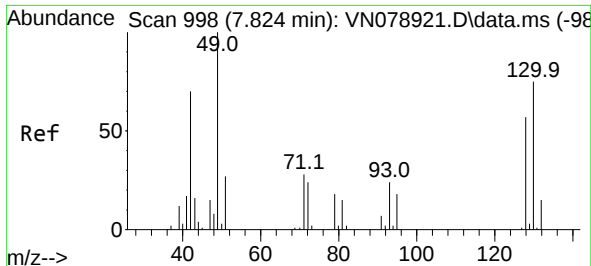
Manual Integrations
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 Supervised By : Semsettin Yesilyurt 08/18/2023

Quant Time: Aug 18 05:06:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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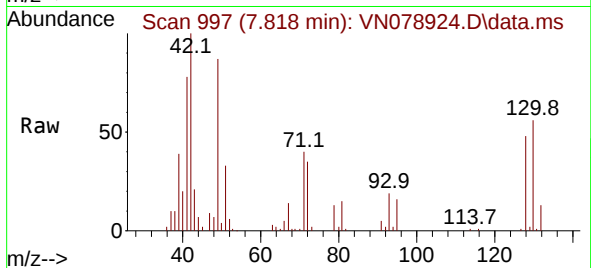
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	228980	53.527	ug/l	100
44) Isopropyl Acetate	8.694	43	384471	49.999	ug/l	99
45) 1,4-Dioxane	9.694	88	61259	1058.649	ug/l	95
46) Methyl methacrylate	9.688	41	184058	54.327	ug/l	95
47) n-amyl Acetate	12.500	43	325651	55.187	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	231930	52.082	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	249384	52.226	ug/l	96
50) 1,1,2-Trichloroethane	11.024	97	144495	51.428	ug/l	98
51) Ethyl methacrylate	10.882	69	230729	53.057	ug/l	99
52) 1,3-Dichloropropane	11.171	76	254862	50.644	ug/l	100
53) Dibromochloromethane	11.365	129	157883	51.342	ug/l	98
54) 1,2-Dibromoethane	11.471	107	146025	50.623	ug/l	93
55) 2-Chloroethyl vinyl ether	10.165	63	514506	255.968	ug/l	99
56) Bromoform	12.582	173	113932	52.511	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	1176844	259.119	ug/l	100
59) 2-Hexanone	11.200	43	864050	259.659	ug/l	100
61) Tetrachloroethene	11.112	164	111690	50.391	ug/l	95
62) Toluene	10.635	91	632539	50.613	ug/l	98
64) Chlorobenzene	11.894	112	374936	49.897	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.965	131	146004	50.816	ug/l	98
66) Ethyl Benzene	11.971	91	677944	51.860	ug/l	98
67) m/p-Xylenes	12.076	106	510058	104.645	ug/l	97
68) o-Xylene	12.400	106	252459	52.531	ug/l	99
69) Styrene	12.418	104	417951	53.521	ug/l	98
70) Isopropylbenzene	12.700	105	611212	52.489	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	219826	50.359	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	183865m	48.066	ug/l	
73) Bromobenzene	12.988	156	152378	51.400	ug/l	97
74) n-propylbenzene	13.041	91	710903	53.868	ug/l	100
75) 2-Chlorotoluene	13.129	91	441882	52.779	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	490622	53.150	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	73643	55.336	ug/l	89
78) 4-Chlorotoluene	13.223	91	430628	53.688	ug/l	99
79) tert-butylbenzene	13.441	119	421793	54.073	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	489683	53.950	ug/l	98
81) sec-Butylbenzene	13.623	105	551102	53.534	ug/l	98
82) p-Isopropyltoluene	13.735	119	460690	54.812	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	262023	54.767	ug/l	96
84) 1,4-Dichlorobenzene	13.818	146	252919	53.845	ug/l	98
85) n-Butylbenzene	14.059	91	371309	56.169	ug/l	99
86) Hexachloroethane	14.341	117	88589	51.513	ug/l	98
87) 1,2-Dichlorobenzene	14.112	146	261030	53.269	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	41197	52.581	ug/l	92
89) 1,2,4-Trichlorobenzene	15.847	180	104296	53.880	ug/l	99
90) Hexachlorobutadiene	15.506	225	49245	48.876	ug/l	94
91) Naphthalene	15.647	128	323401	57.940	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	104296	53.893	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

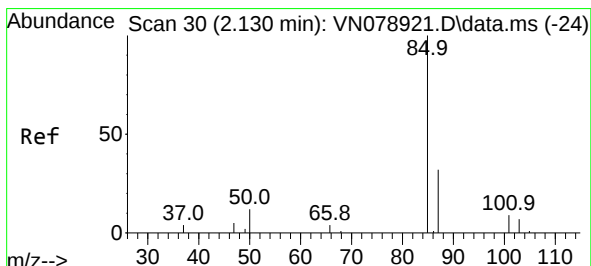
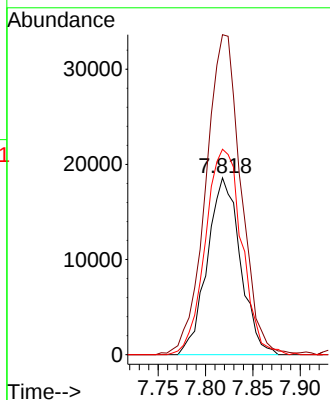
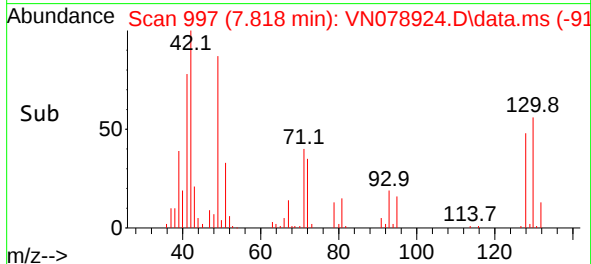
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



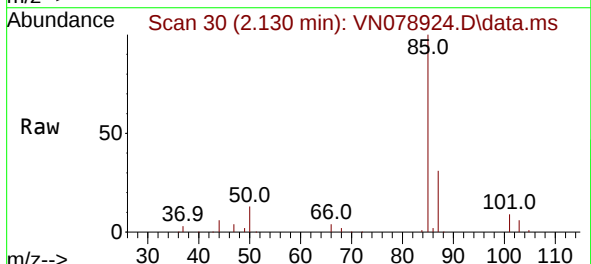
Tgt Ion:128 Resp: 45197
Ion Ratio Lower Upper
128 100
49 192.2 0.0 481.8
130 127.8 0.0 320.5

Manual Integrations
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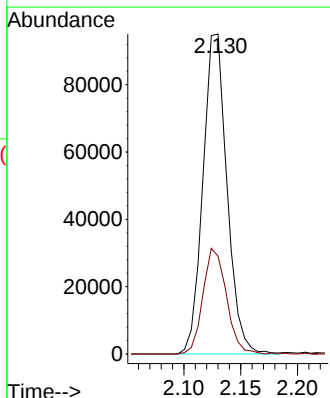
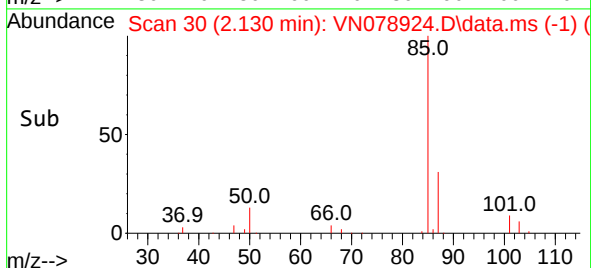
Reviewed By :John Carlone 08/18/2023
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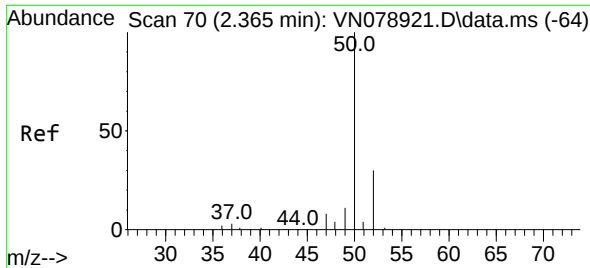


#2
Dichlorodifluoromethane
Concen: 49.190 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



Tgt Ion: 85 Resp: 140292
Ion Ratio Lower Upper
85 100
87 30.6 15.9 47.7





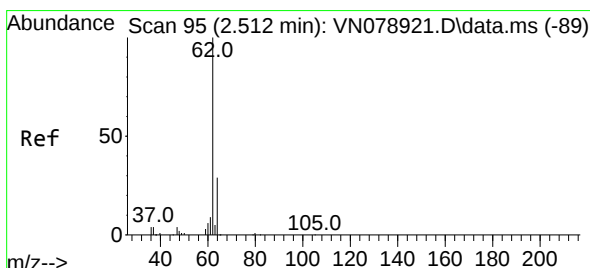
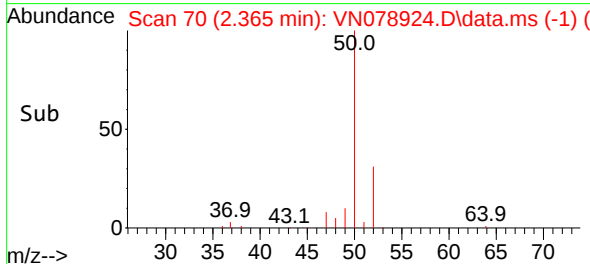
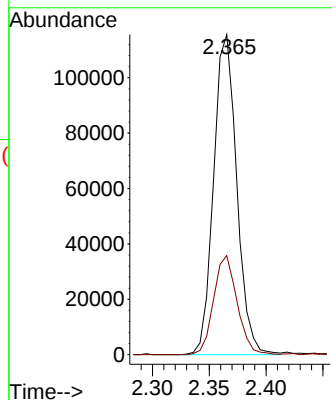
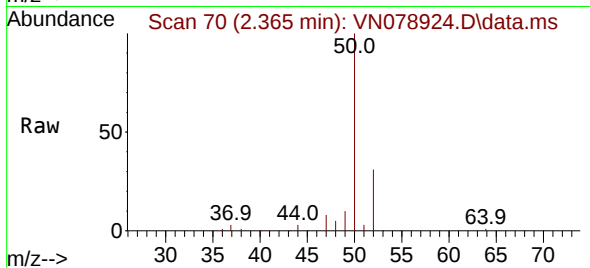
#3
Chloromethane
Concen: 47.891 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 50 Resp: 16369
Ion Ratio Lower Upper
50 100
52 31.0 24.2 36.4

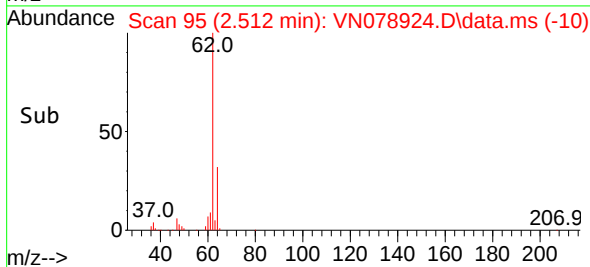
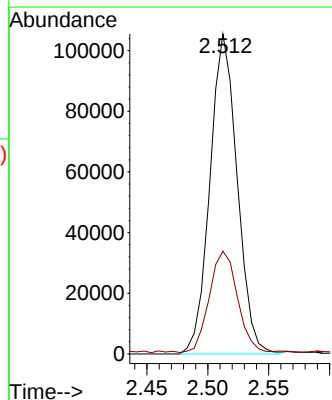
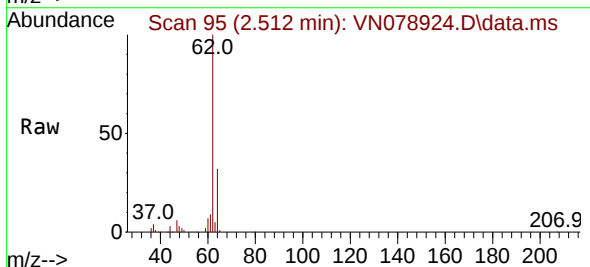
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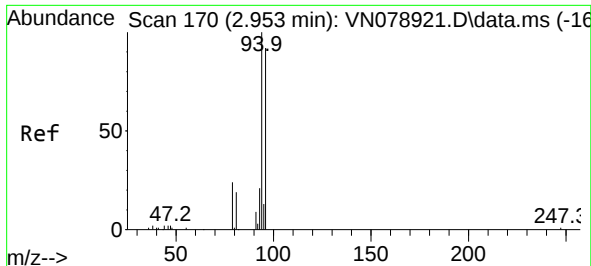
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#4
Vinyl Chloride
Concen: 48.580 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 62 Resp: 164341
Ion Ratio Lower Upper
62 100
64 31.6 23.8 35.8





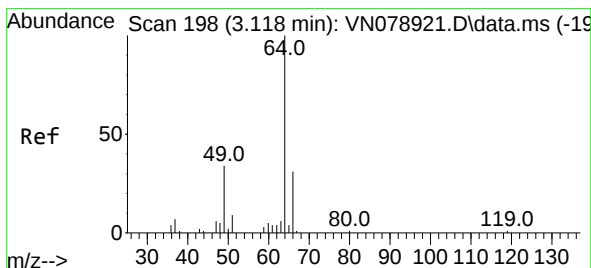
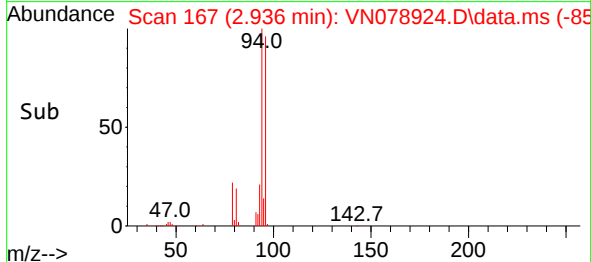
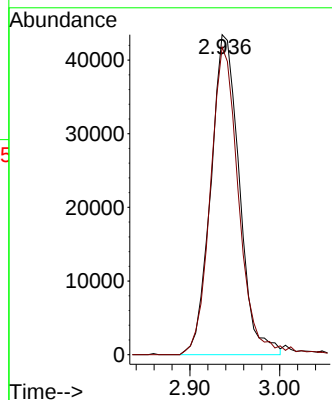
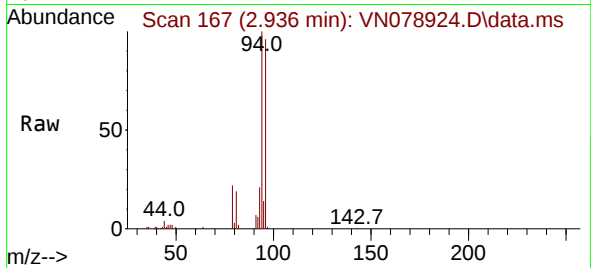
#5
Bromomethane
Concen: 45.975 ug/l
RT: 2.936 min Scan# 110
Delta R.T. -0.017 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 94 Resp: 9600
Ion Ratio Lower Upper
94 100
96 96.1 73.6 110.4

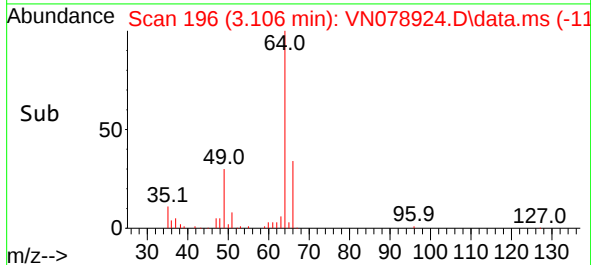
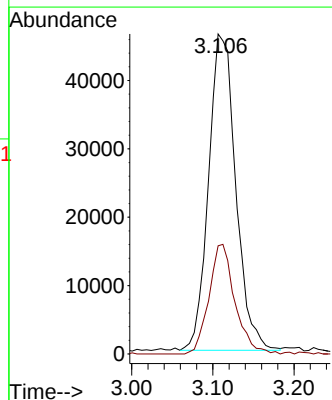
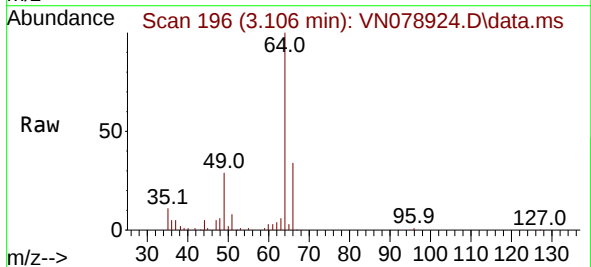
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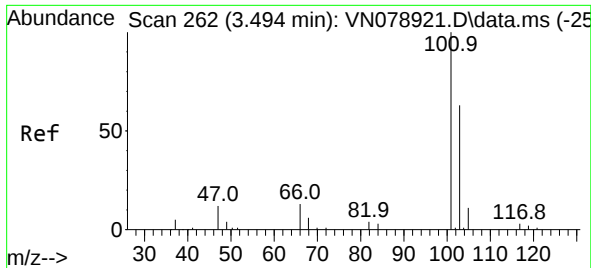
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#6
Chloroethane
Concen: 48.927 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

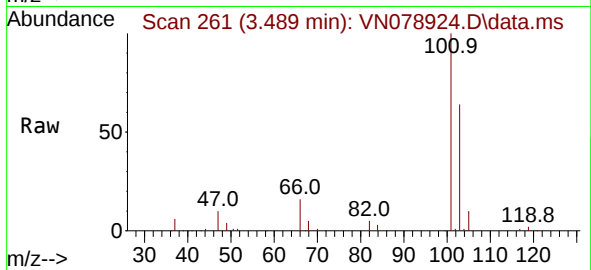
Tgt Ion: 64 Resp: 107558
Ion Ratio Lower Upper
64 100
66 34.2 24.9 37.3





#7
 Trichlorofluoromethane
 Concen: 49.267 ug/l
 RT: 3.489 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

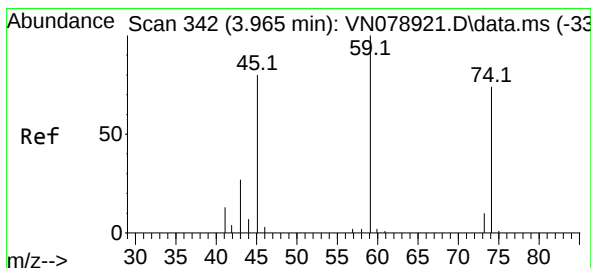
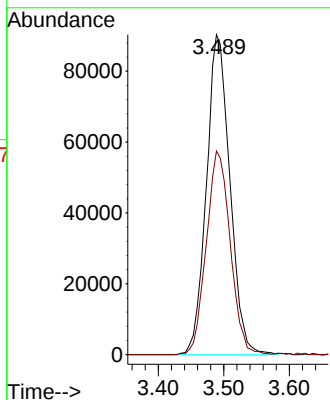
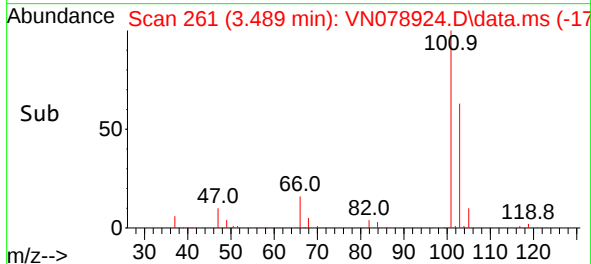
Instrument :
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 VSTDIC050



Tgt Ion:101 Resp: 224470
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.9 76.3

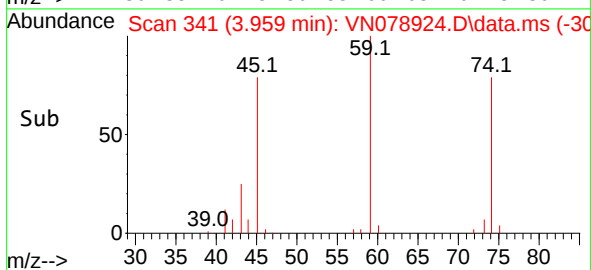
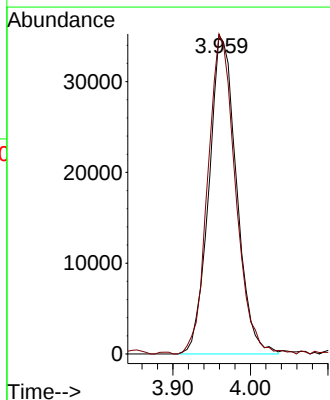
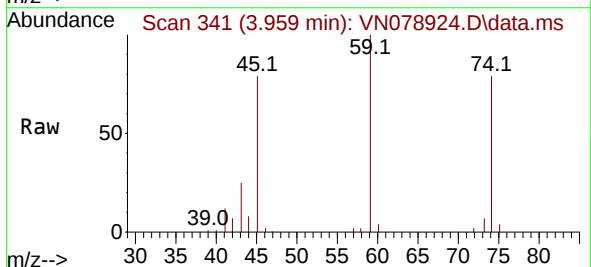
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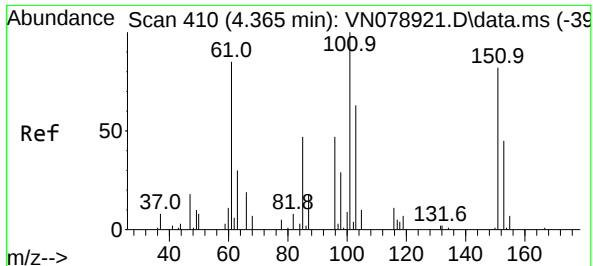
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#8
 Diethyl Ether
 Concen: 50.595 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

Tgt Ion: 74 Resp: 86704
 Ion Ratio Lower Upper
 74 100
 45 100.4 21.3 191.9





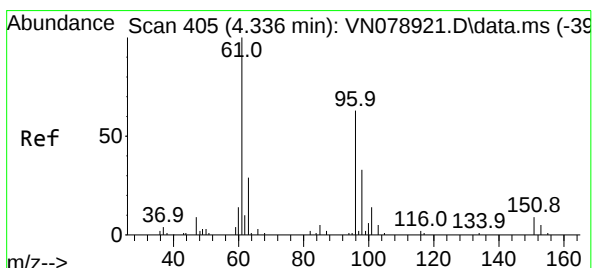
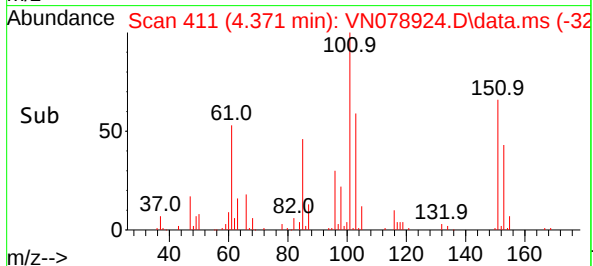
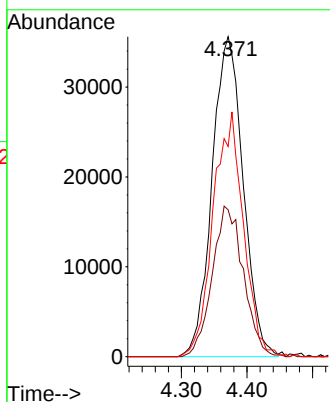
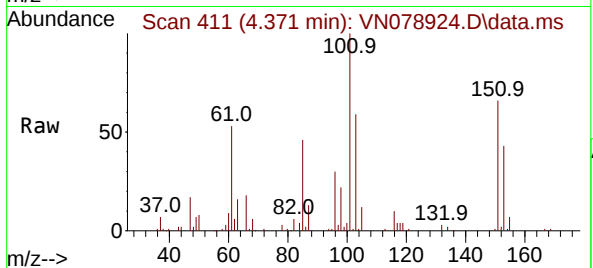
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.391 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 117404
Ion Ratio Lower Upper
101 100
85 46.9 0.0 65.4
151 73.5 0.0 156.8

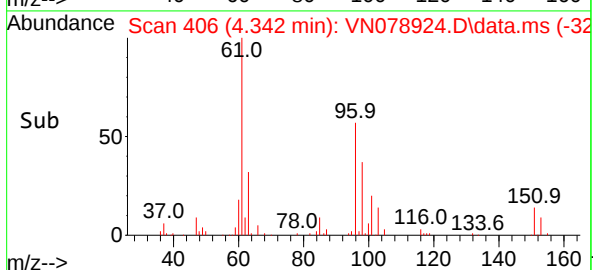
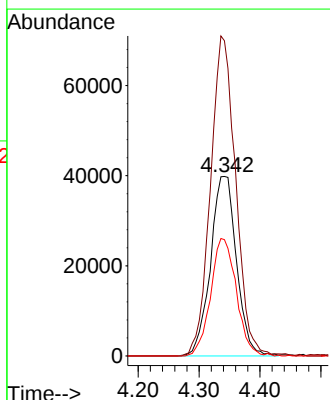
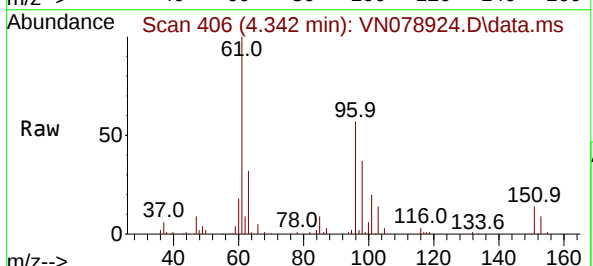
Manual Integrations
APPROVED

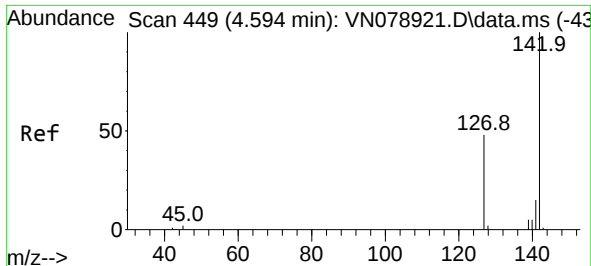
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#10
1,1-Dichloroethene
Concen: 49.083 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

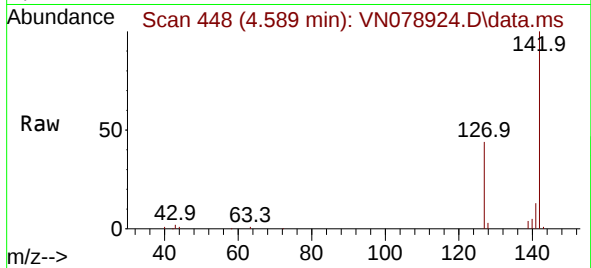
Tgt Ion: 96 Resp: 118330
Ion Ratio Lower Upper
96 100
61 175.6 126.2 189.4
98 64.8 41.7 62.5#





#11
Methyl Iodide
Concen: 51.498 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

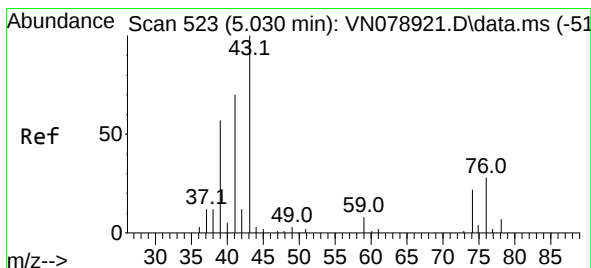
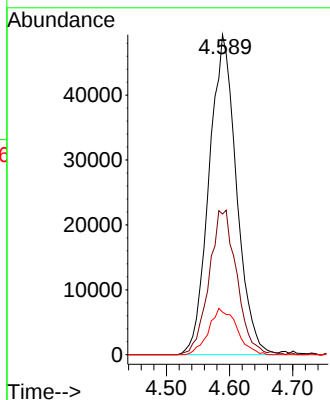
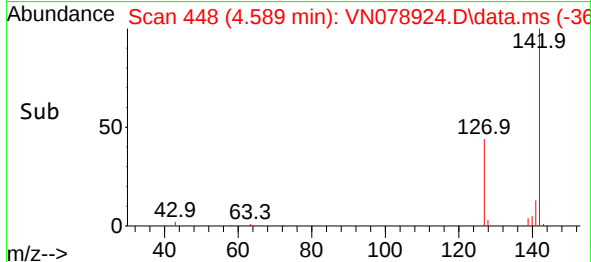
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:142 Resp: 148773
Ion Ratio Lower Upper
142 100
127 43.9 24.3 72.9
141 13.3 7.3 22.0

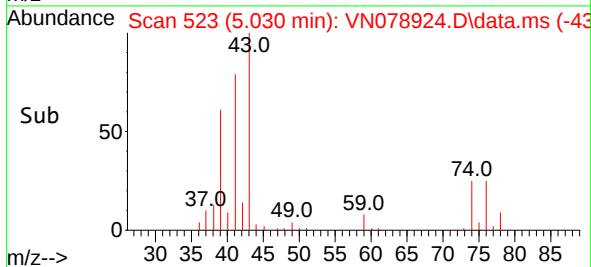
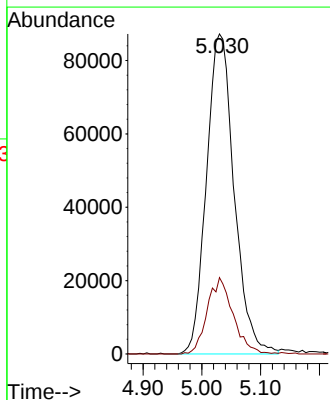
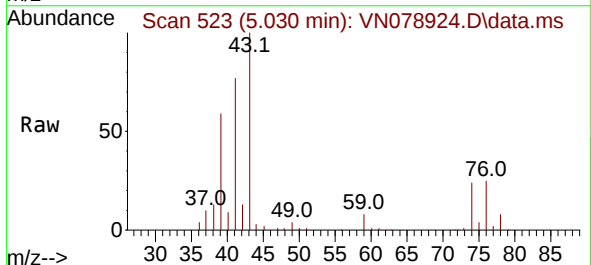
Manual Integrations
APPROVED

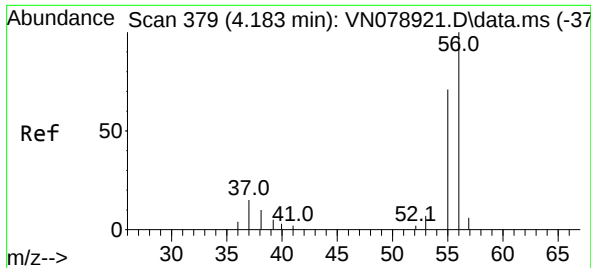
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#12
Methyl Acetate
Concen: 50.946 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 43 Resp: 285883
Ion Ratio Lower Upper
43 100
74 23.9 17.5 26.3





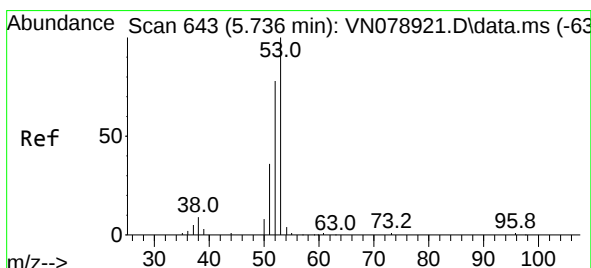
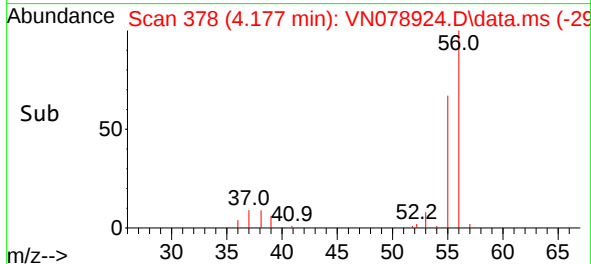
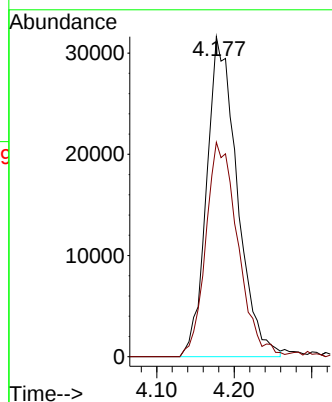
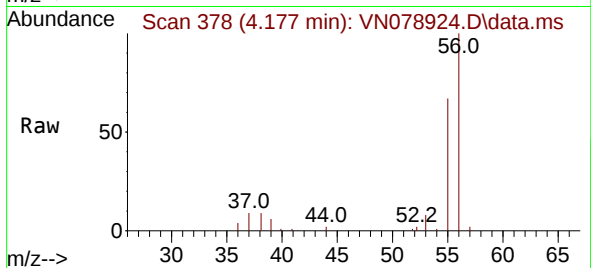
#13
Acrolein
Concen: 221.512 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 56 Resp: 86639
Ion Ratio Lower Upper
56 100
55 68.9 54.5 81.7

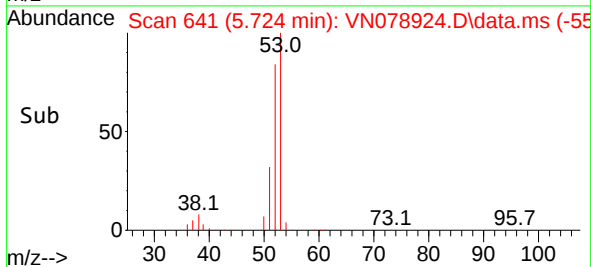
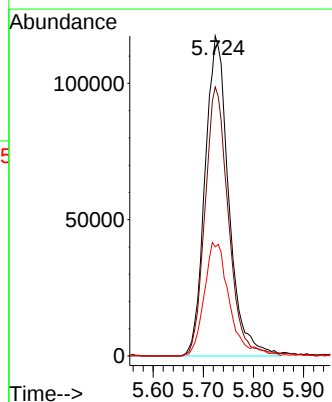
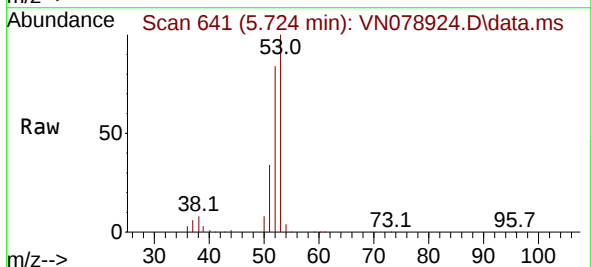
Manual Integrations
APPROVED

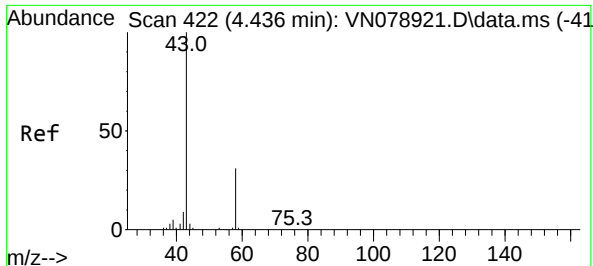
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#14
Acrylonitrile
Concen: 261.442 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.012 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 53 Resp: 385652
Ion Ratio Lower Upper
53 100
52 82.5 41.9 125.6
51 36.2 10.1 30.1#





#15

Acetone

Concen: 233.332 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 58 Resp: 10570

Ion Ratio Lower Upper

58 100

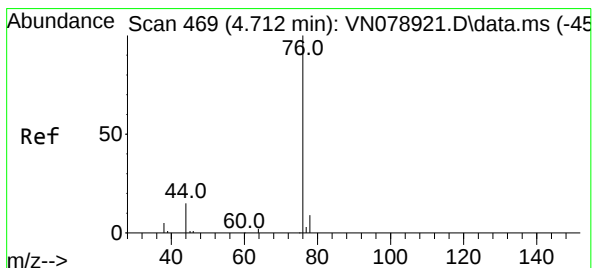
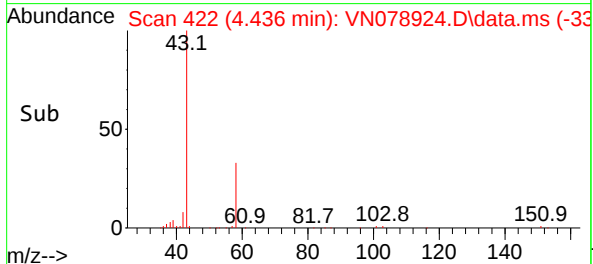
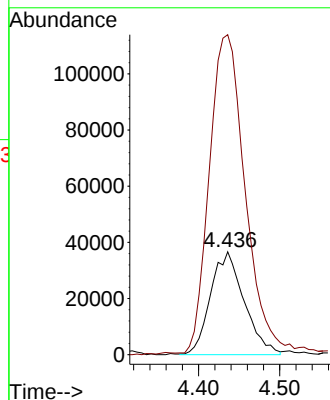
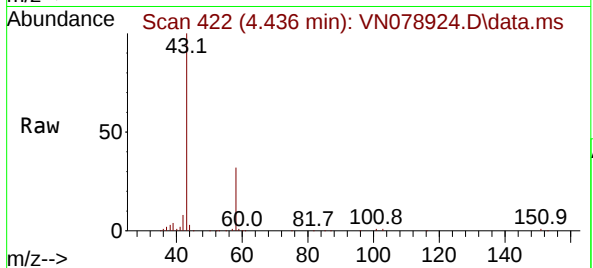
43 311.0 260.6 390.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#16

Carbon Disulfide

Concen: 47.446 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN078924.D

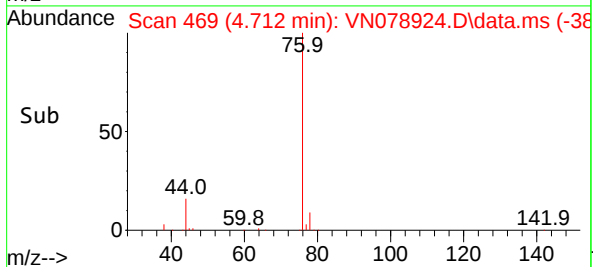
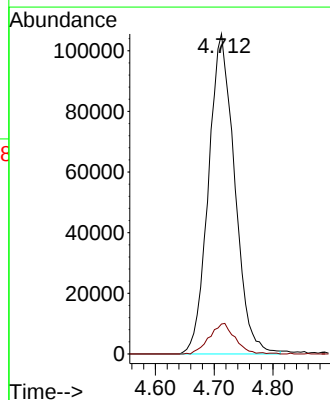
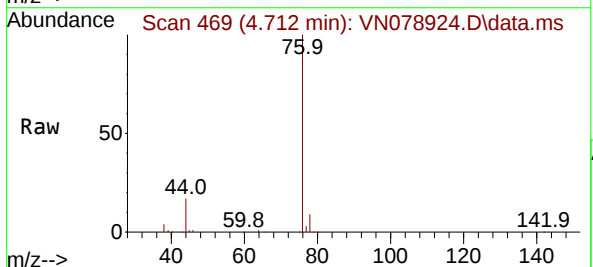
Acq: 17 Aug 2023 14:15

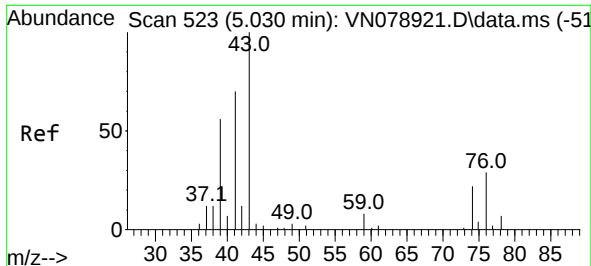
Tgt Ion: 76 Resp: 326365

Ion Ratio Lower Upper

76 100

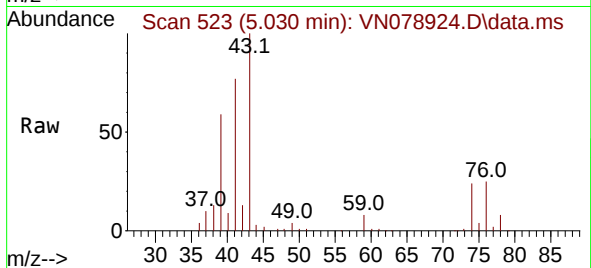
78 9.4 7.0 10.6





#17
 Allyl chloride
 Concen: 48.546 ug/l
 RT: 5.030 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

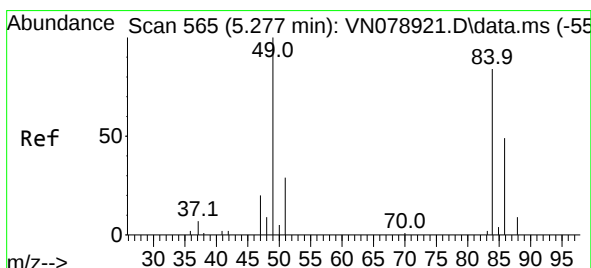
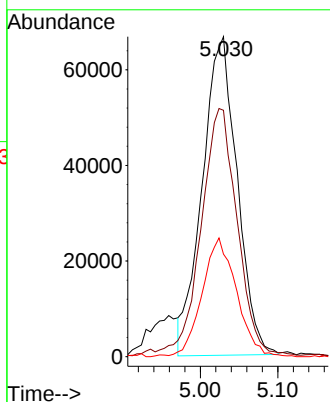
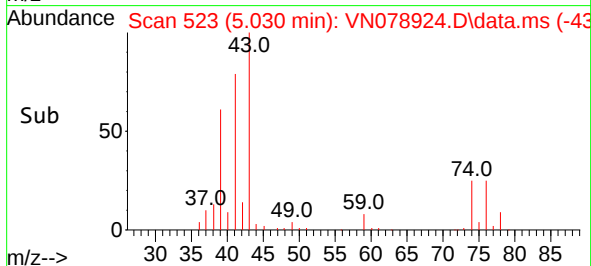
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 41 Resp: 208774
 Ion Ratio Lower Upper
 41 100
 39 76.6 36.9 110.7
 76 31.8 17.3 51.9

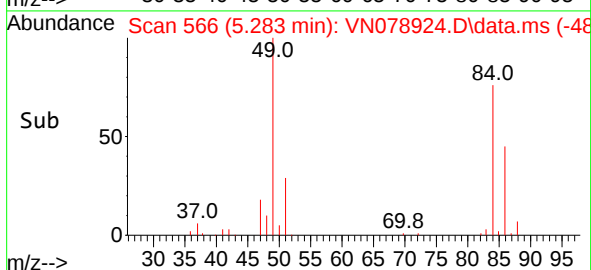
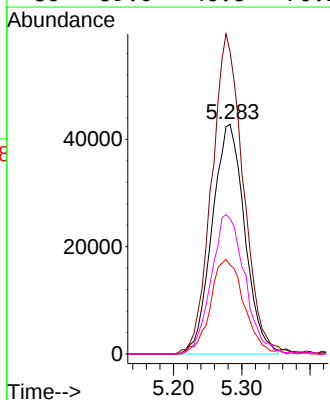
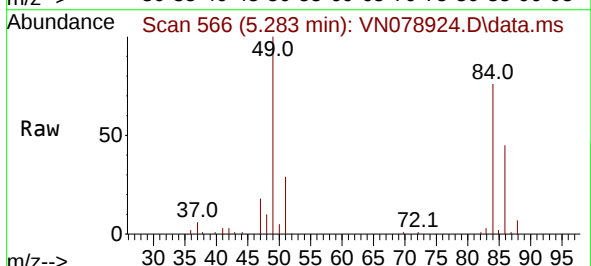
Manual Integrations
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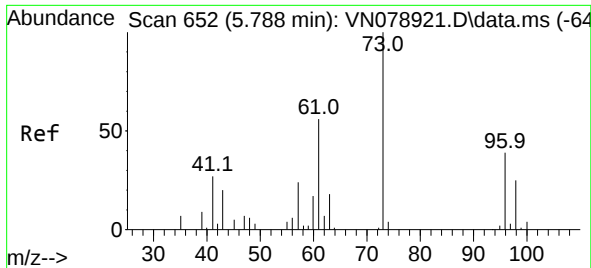
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#18
 Methylene Chloride
 Concen: 49.548 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

Tgt Ion: 84 Resp: 141806
 Ion Ratio Lower Upper
 84 100
 49 131.1 95.8 143.6
 51 38.7 28.6 43.0
 86 59.0 46.8 70.2





#19

trans-1,2-Dichloroethene

Concen: 48.143 ug/l

RT: 5.789 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 96 Resp: 129710

Ion Ratio Lower Upper

96 100

61 145.3 114.0 171.0

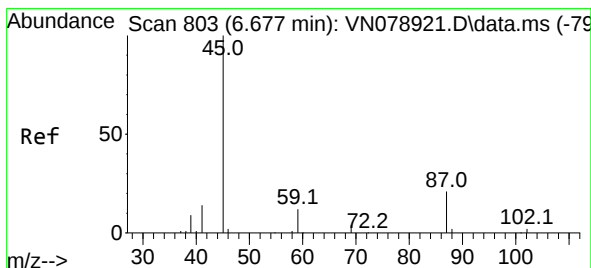
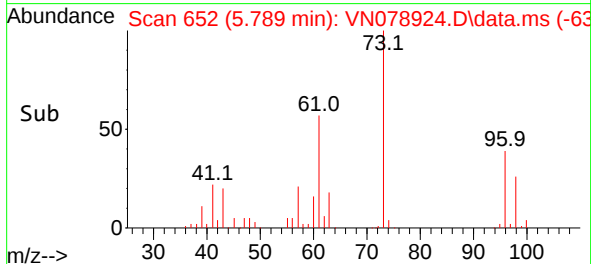
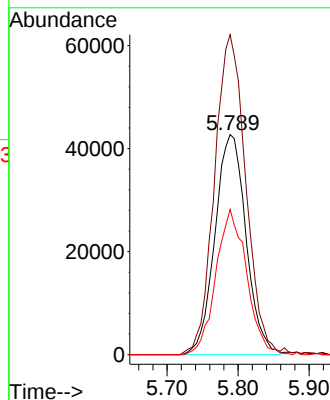
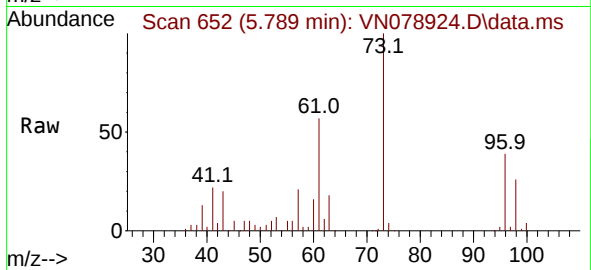
98 66.0 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#20

Diisopropyl ether

Concen: 50.408 ug/l

RT: 6.677 min Scan# 803

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Tgt Ion: 45 Resp: 481144

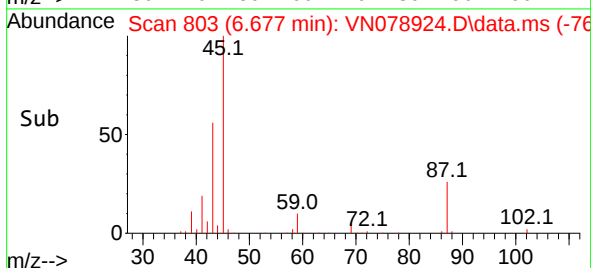
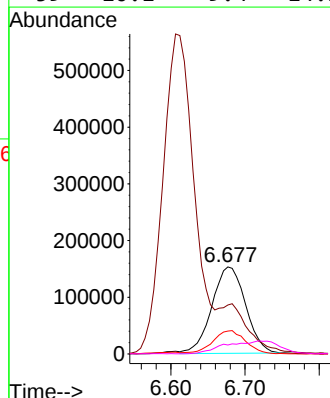
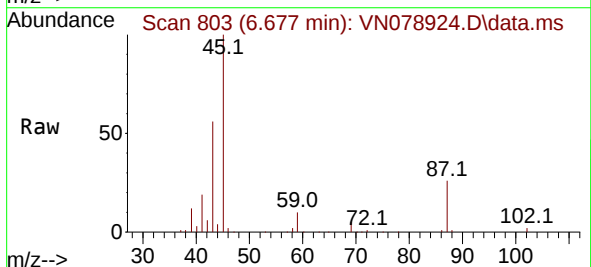
Ion Ratio Lower Upper

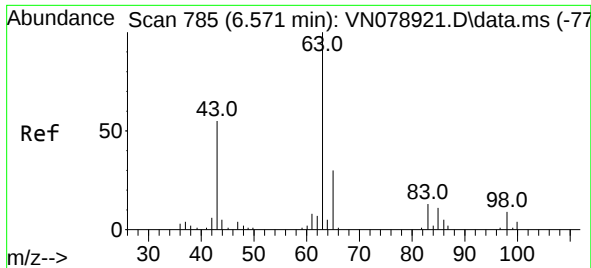
45 100

43 52.7 37.4 56.2

87 26.1 17.3 25.9#

59 10.1 9.4 14.2





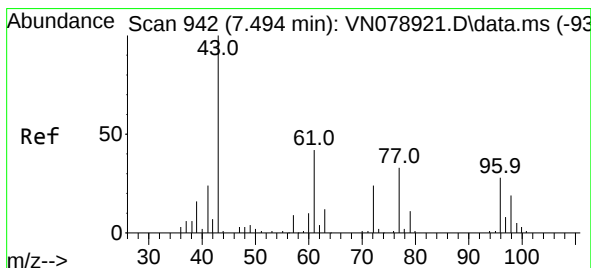
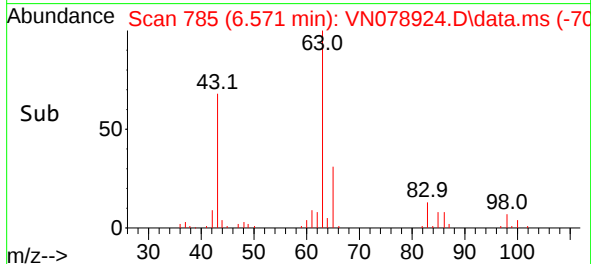
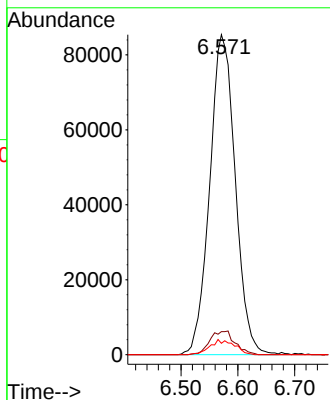
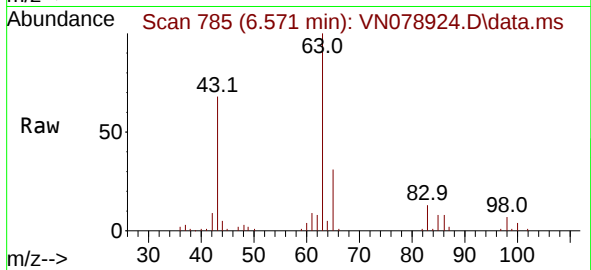
#21
1,1-Dichloroethane
Concen: 50.412 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 267004
Ion Ratio Lower Upper
63 100
98 7.2 4.4 13.2
100 3.6 2.1 6.5

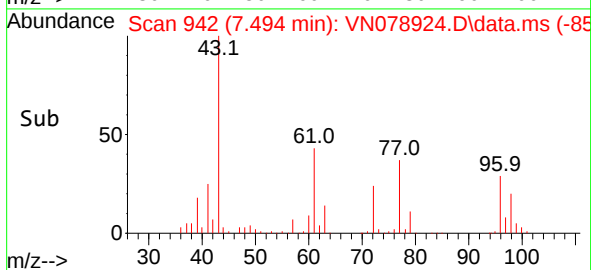
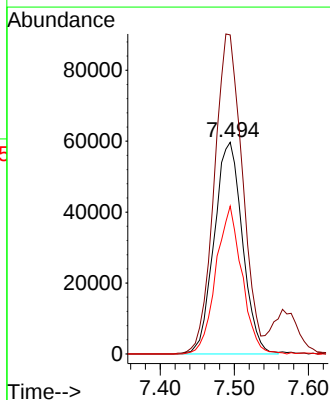
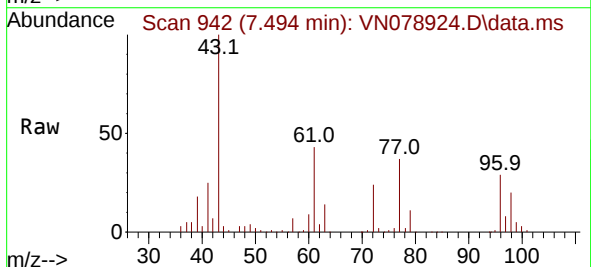
Manual Integrations
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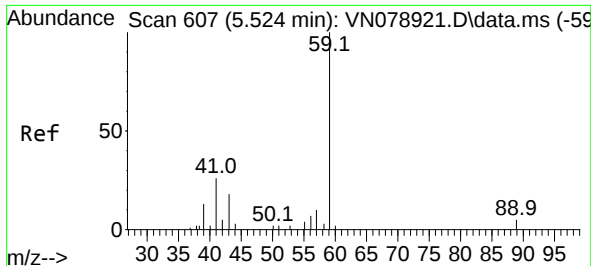
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#22
cis-1,2-Dichloroethene
Concen: 51.196 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 96 Resp: 157879
Ion Ratio Lower Upper
96 100
61 150.1 121.8 182.6
98 64.4 50.7 76.1





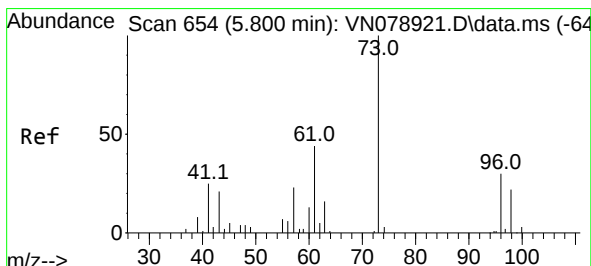
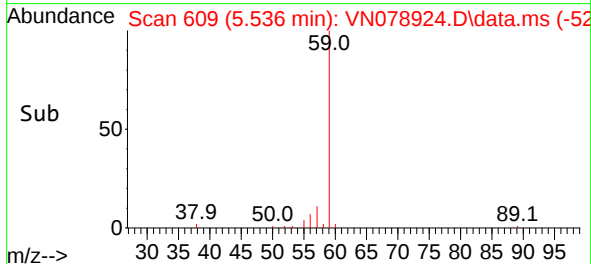
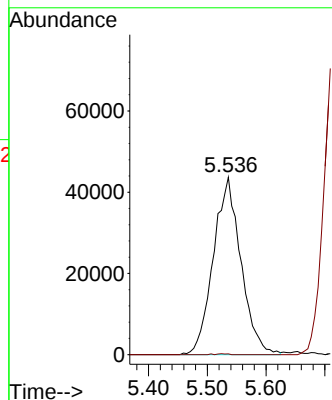
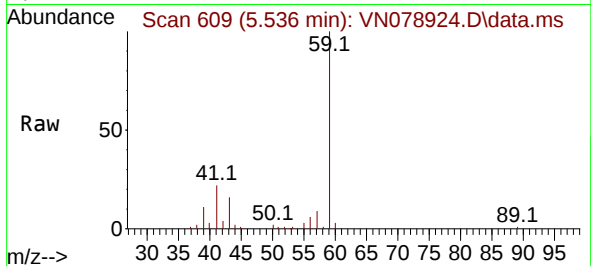
#23
tert-Butyl Alcohol
Concen: 259.055 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 142540
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

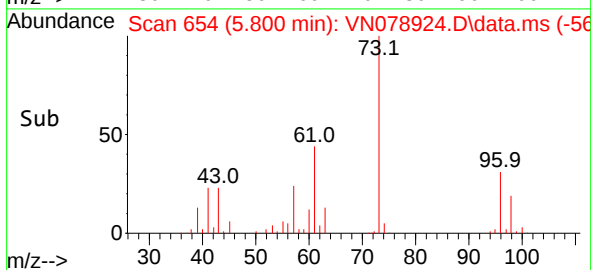
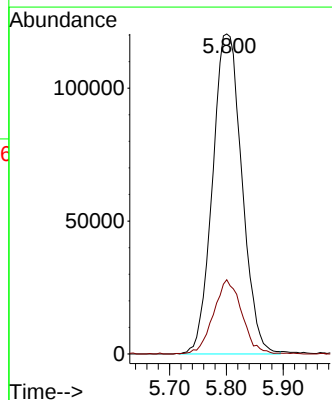
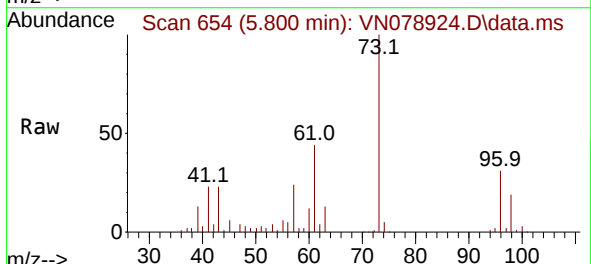
Manual Integrations
APPROVED

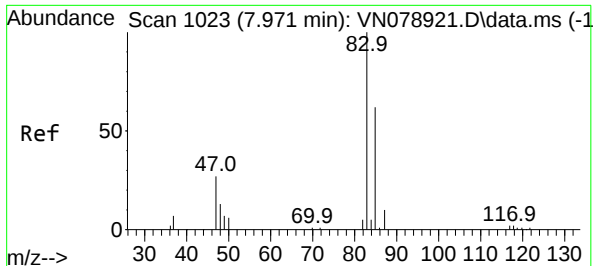
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#24
Methyl tert-Butyl Ether
Concen: 50.907 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 73 Resp: 432826
Ion Ratio Lower Upper
73 100
43 22.3 17.3 25.9





#25

Chloroform

Concen: 50.228 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 268000

Ion Ratio Lower Upper

83 100

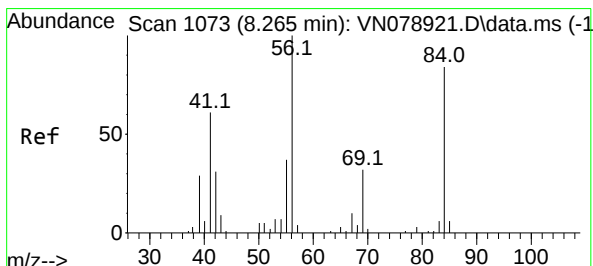
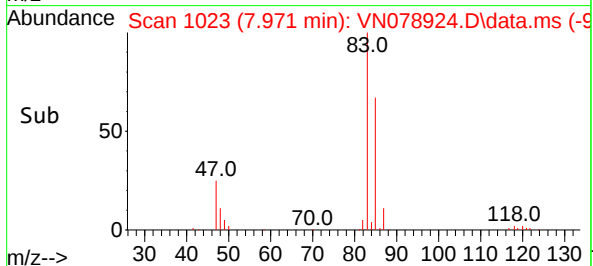
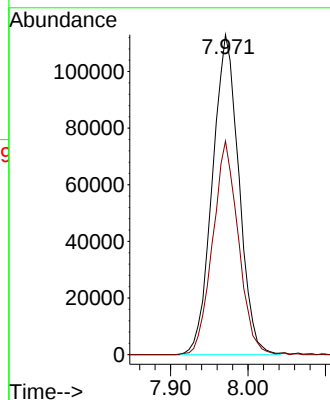
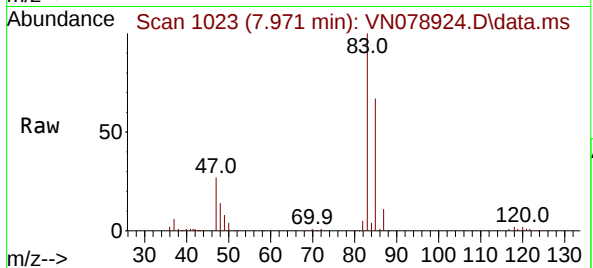
85 66.5 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#26

Cyclohexane

Concen: 51.468 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

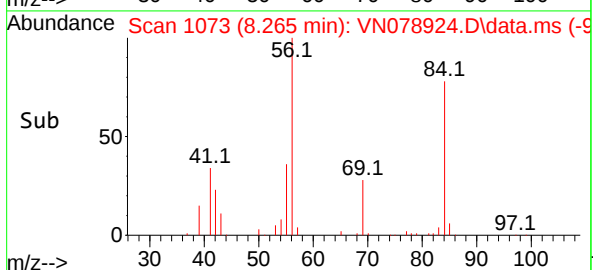
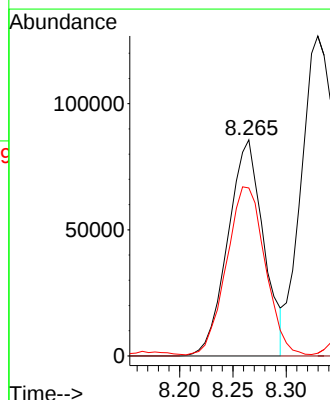
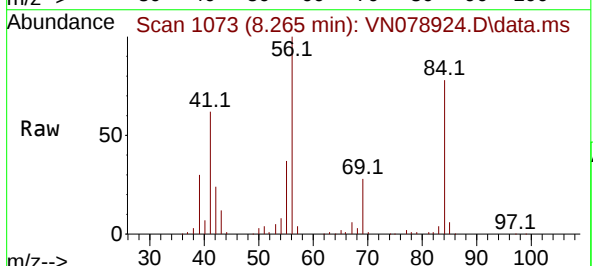
Tgt Ion: 56 Resp: 199407

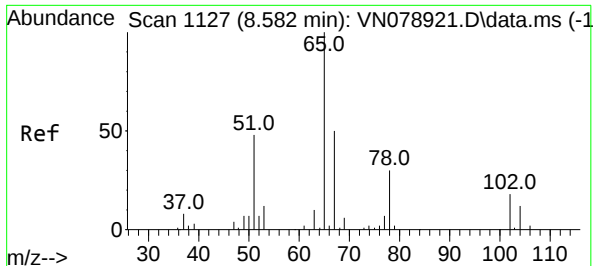
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.2 70.1 105.1





#27
1,2-Dichloroethane-d4
Concen: 29.423 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

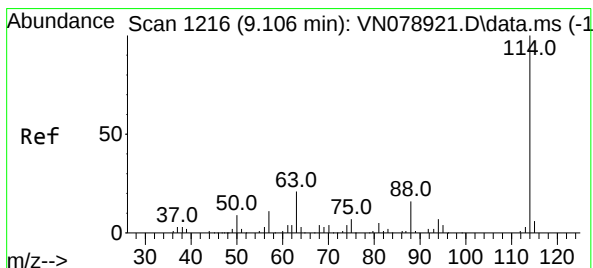
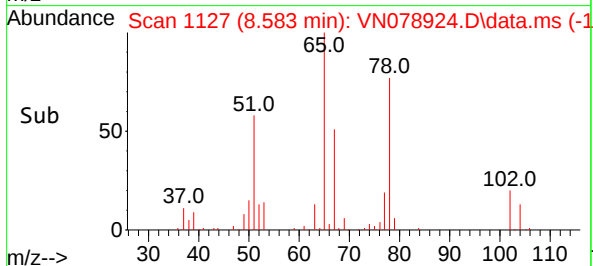
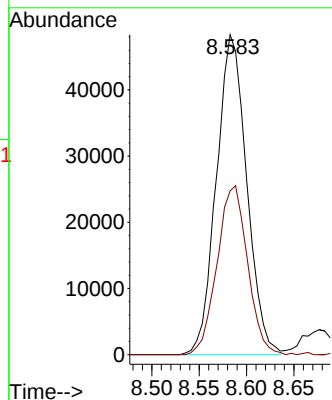
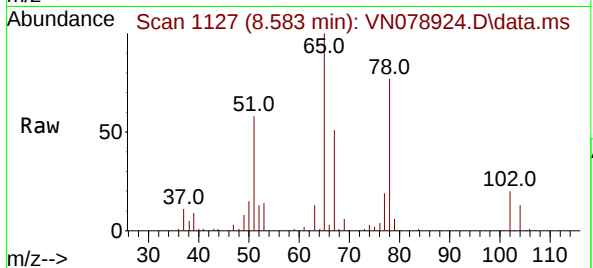
Tgt Ion: 65 Resp: 10773
Ion Ratio Lower Upper
65 100
67 52.9 40.7 61.1

Manual Integrations

APPROVED

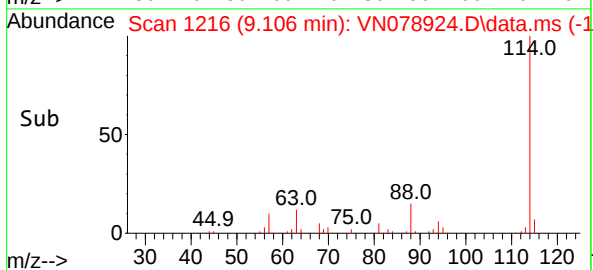
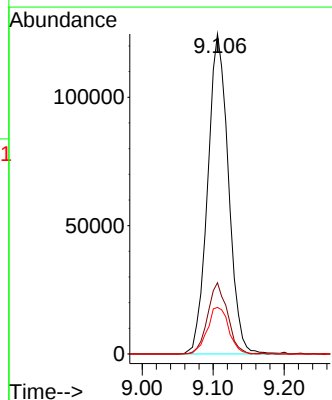
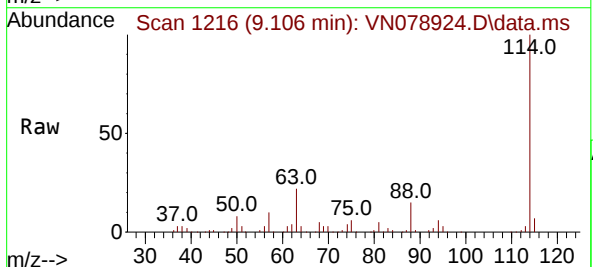
Reviewed By :John Carlone 08/18/2023

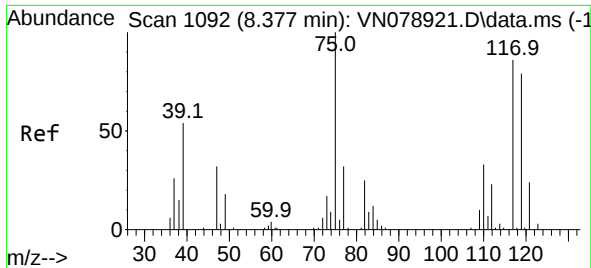
Supervised By :Semsettin Yesilyurt 08/18/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion:114 Resp: 252598
Ion Ratio Lower Upper
114 100
63 21.2 17.4 26.2
88 15.1 12.0 18.0





#29

1,1-Dichloropropene

Concen: 51.522 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 75 Resp: 197970

Ion Ratio Lower Upper

75 100

110 33.6 0.0 65.8

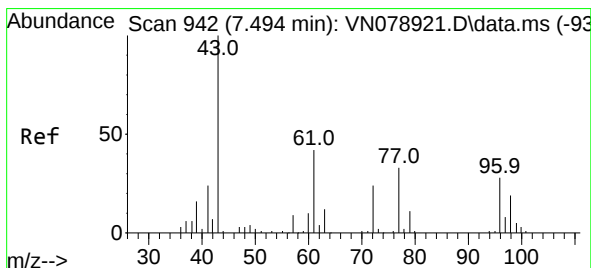
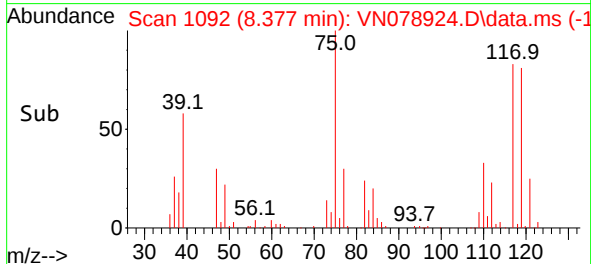
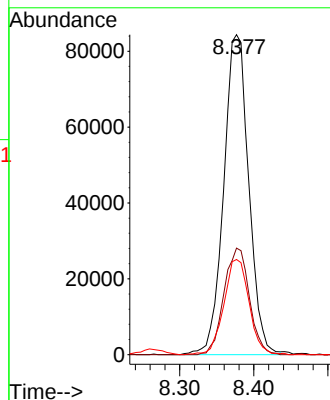
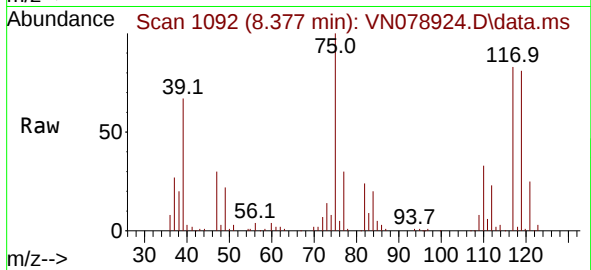
77 29.9 0.0 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#30

2-Butanone

Concen: 251.803 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

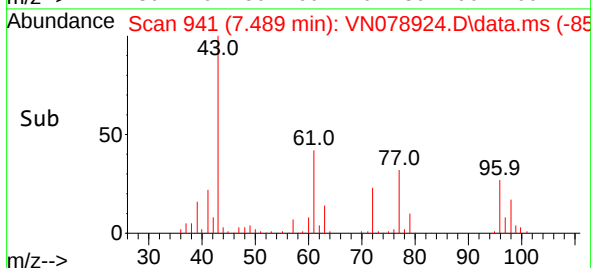
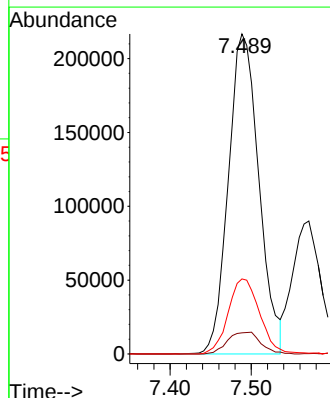
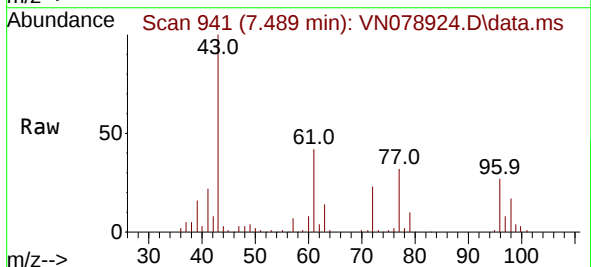
Tgt Ion: 43 Resp: 566426

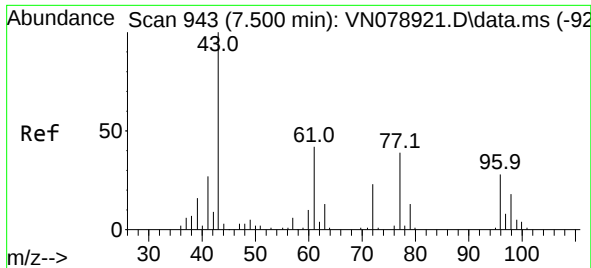
Ion Ratio Lower Upper

43 100

57 7.4 6.2 9.4

72 24.2 19.4 29.2





#31

2,2-Dichloropropane

Concen: 51.298 ug/l

RT: 7.494 min Scan# 943

Delta R.T. -0.006 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 77 Resp: 21785

Ion Ratio Lower Upper

77 100

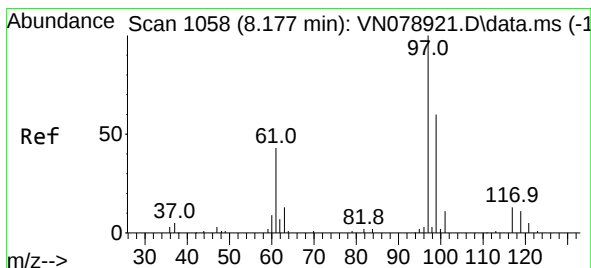
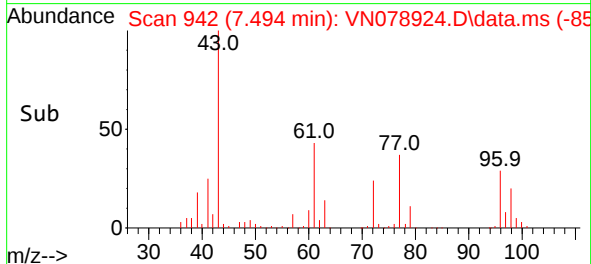
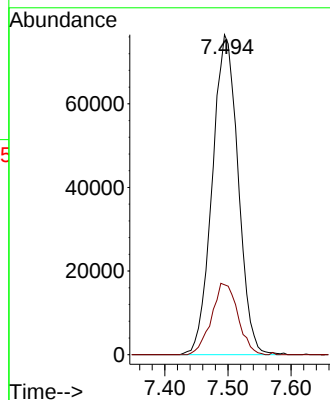
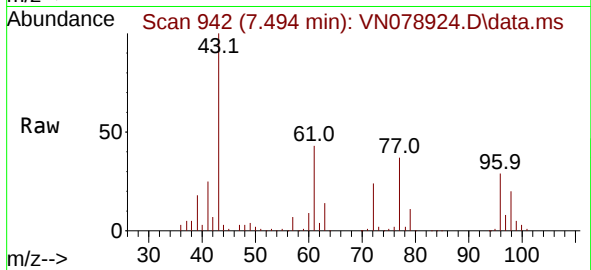
97 22.7 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#32

1,1,1-Trichloroethane

Concen: 50.400 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

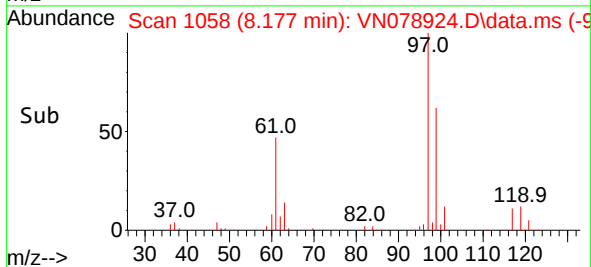
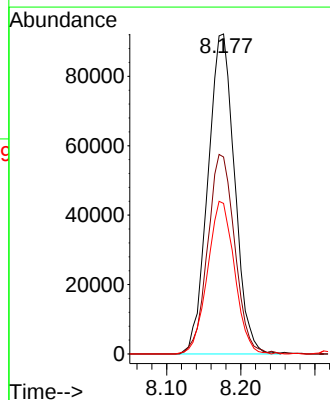
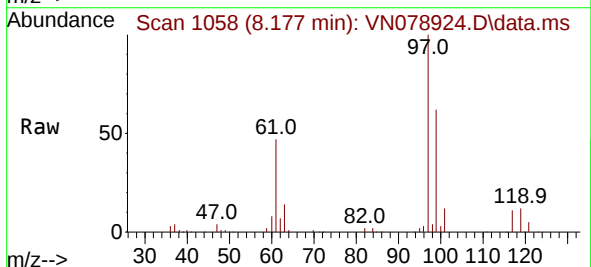
Tgt Ion: 97 Resp: 231218

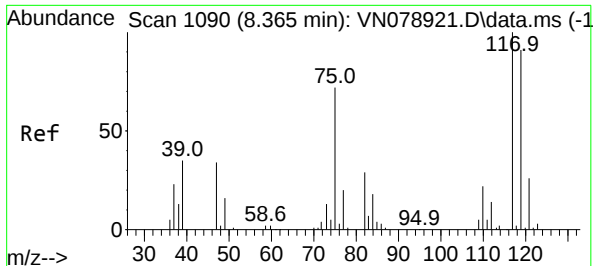
Ion Ratio Lower Upper

97 100

99 62.9 52.0 78.0

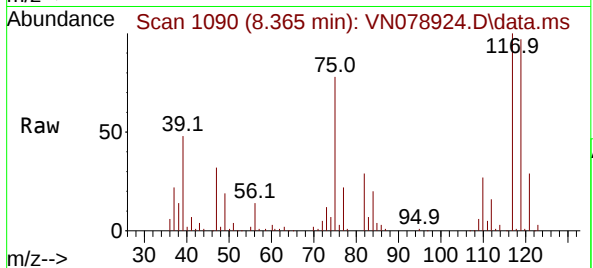
61 48.2 37.0 55.6





#33
Carbon Tetrachloride
Concen: 51.135 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

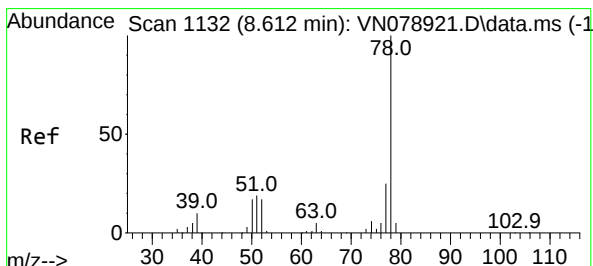
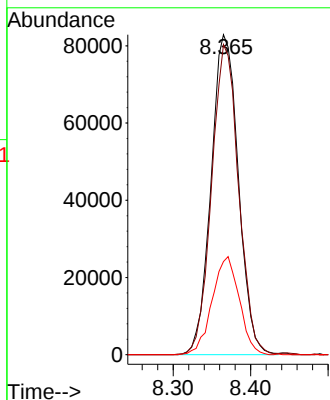
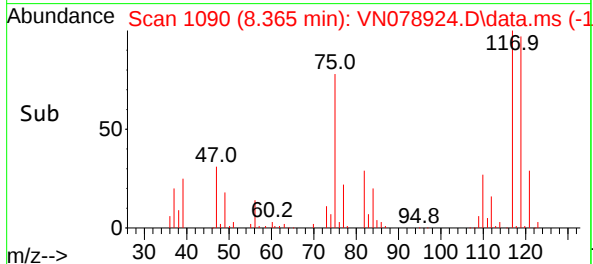
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



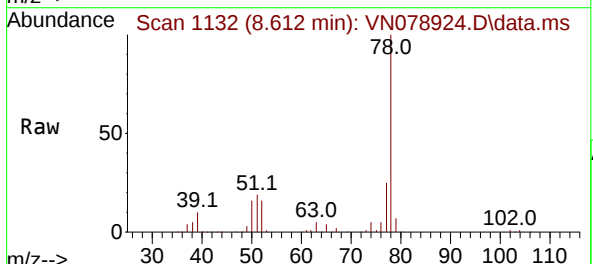
Tgt Ion:117 Resp: 20319
Ion Ratio Lower Upper
117 100
119 96.7 72.6 108.8
121 29.1 20.7 31.1

Manual Integrations
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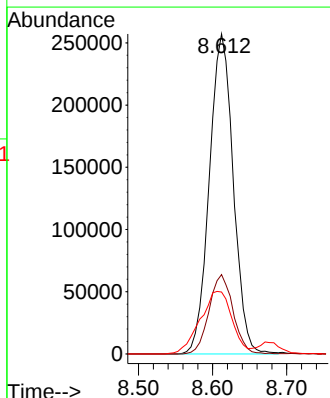
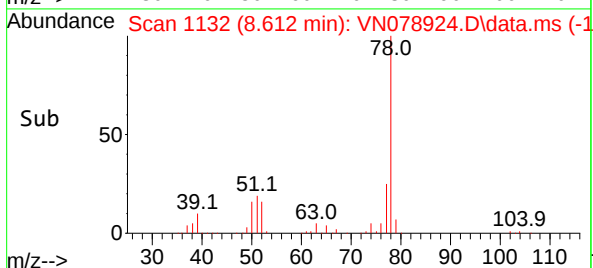
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

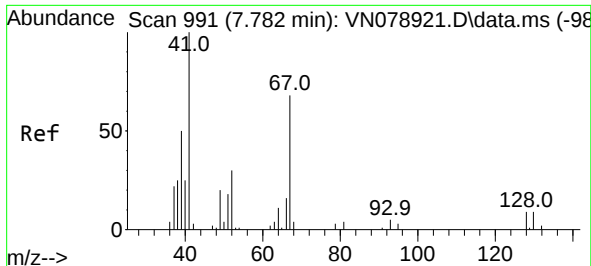


#34
Benzene
Concen: 50.206 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



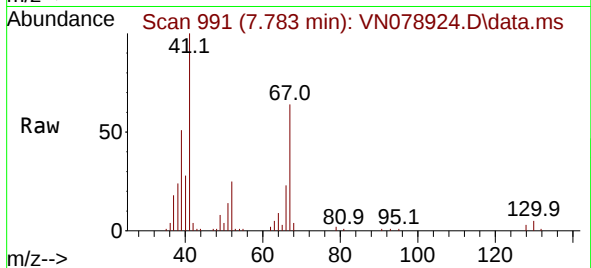
Tgt Ion: 78 Resp: 578122
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9
51 18.5 14.8 22.2





#35
Methacrylonitrile
Concen: 53.703 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

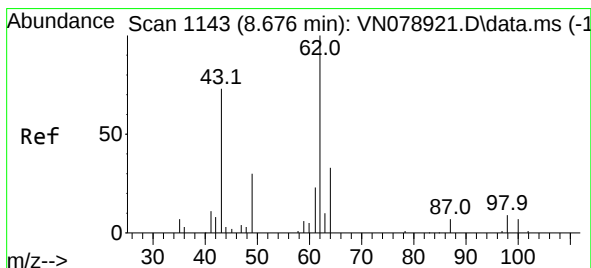
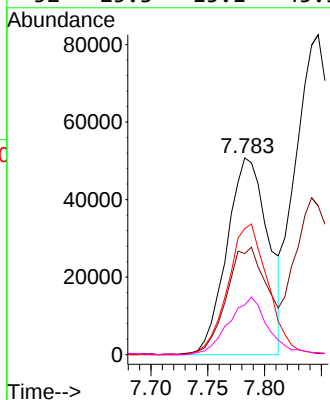
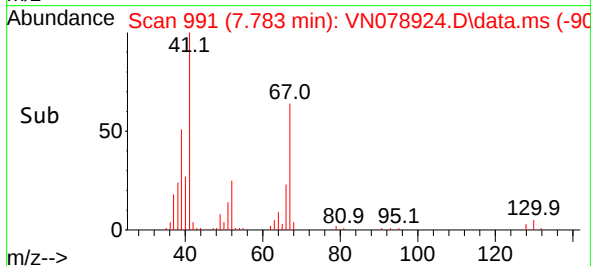
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 41 Resp: 12875
Ion Ratio Lower Upper
41 100
39 51.0 25.0 75.0
67 64.1 34.0 102.0
52 25.3 15.1 45.3

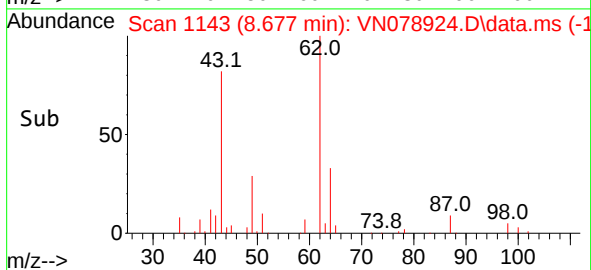
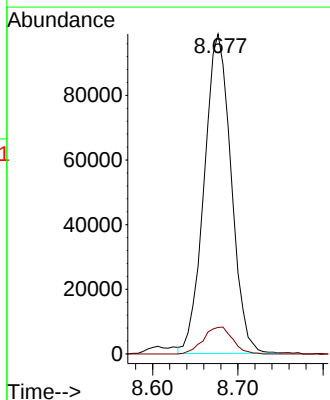
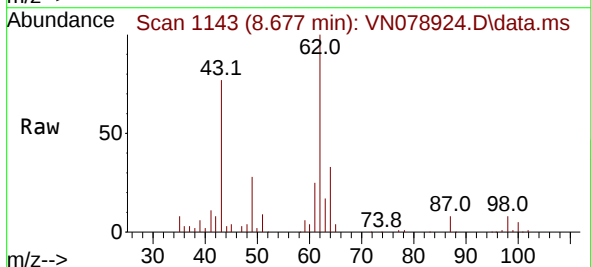
Manual Integrations
APPROVED

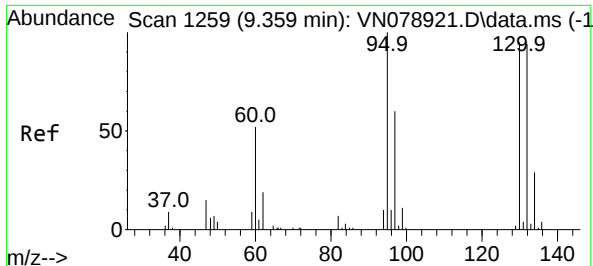
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#36
1,2-Dichloroethane
Concen: 50.381 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 62 Resp: 217253
Ion Ratio Lower Upper
62 100
98 9.1 8.1 12.1





#37

Trichloroethene

Concen: 49.839 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:130 Resp: 14285

Ion Ratio Lower Upper

130 100

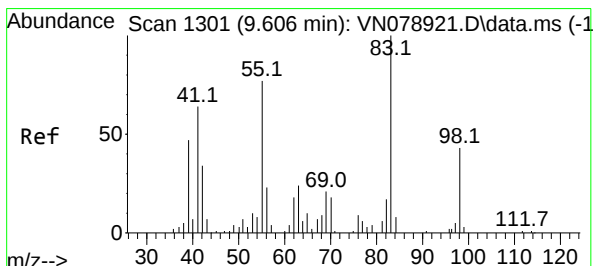
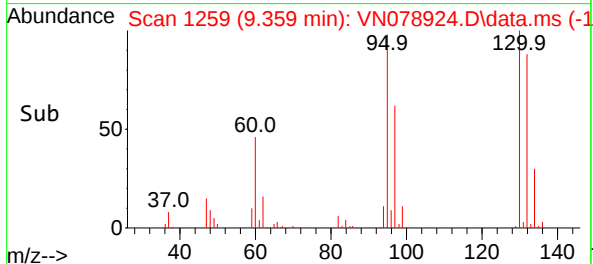
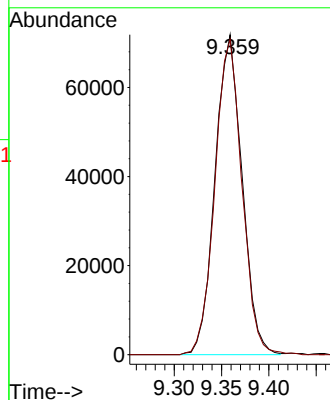
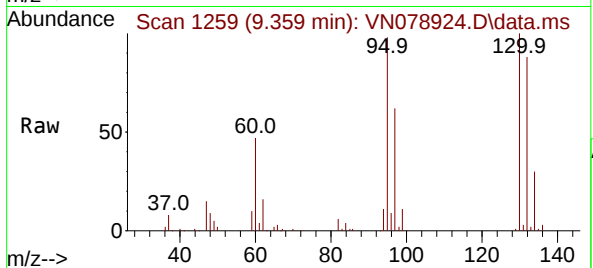
95 98.5 84.6 127.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#38

Methylcyclohexane

Concen: 52.819 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

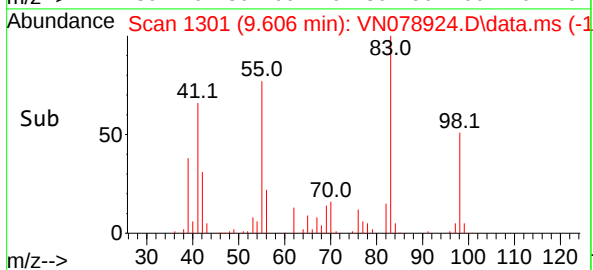
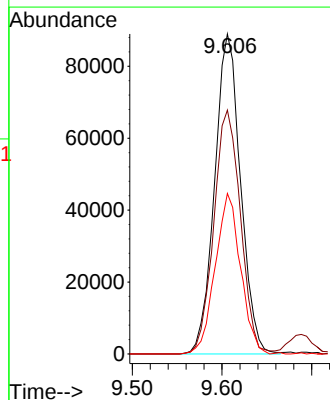
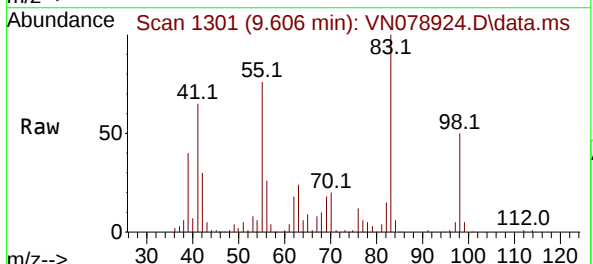
Tgt Ion: 83 Resp: 178687

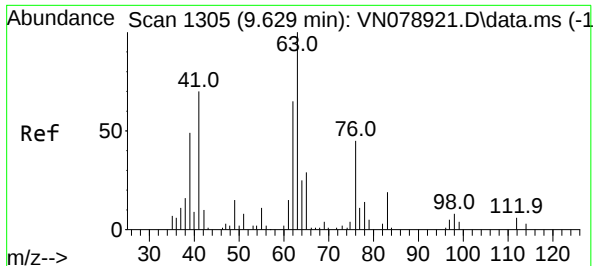
Ion Ratio Lower Upper

83 100

55 78.4 40.2 120.6

98 49.0 24.1 72.3





#39

1,2-Dichloropropane

Concen: 50.243 ug/l

RT: 9.630 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 15584

Ion Ratio Lower Upper

63 100

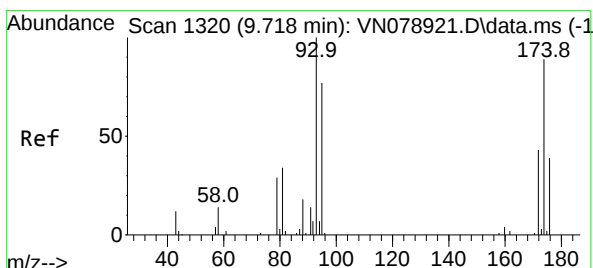
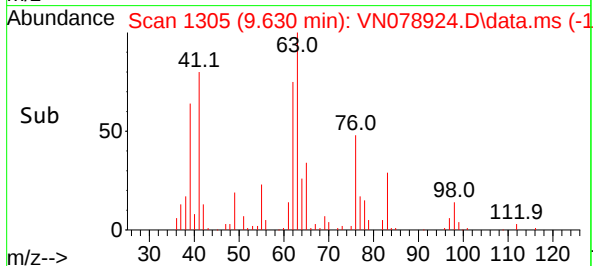
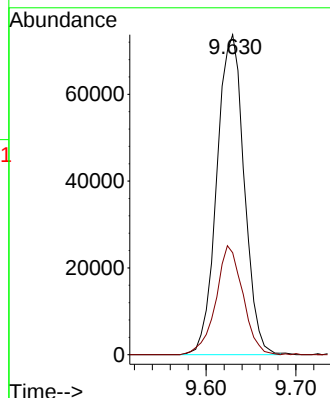
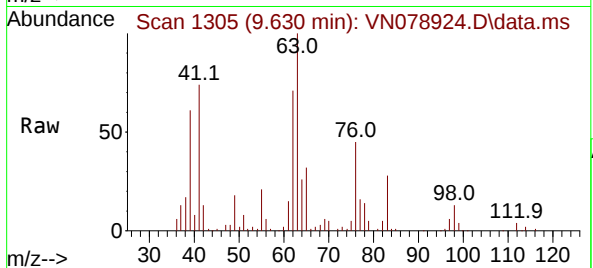
65 31.9 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#40

Dibromomethane

Concen: 50.703 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

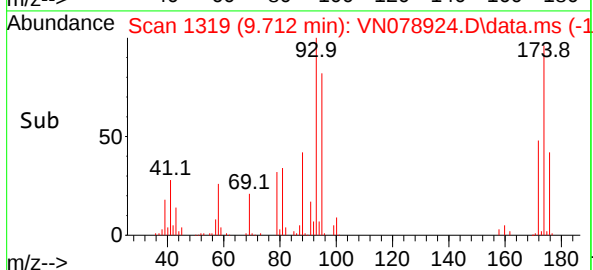
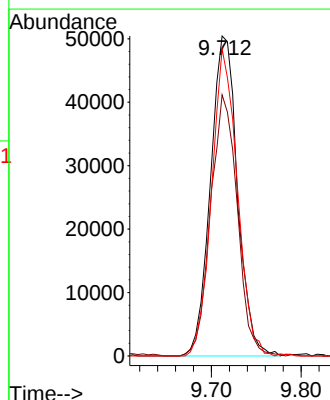
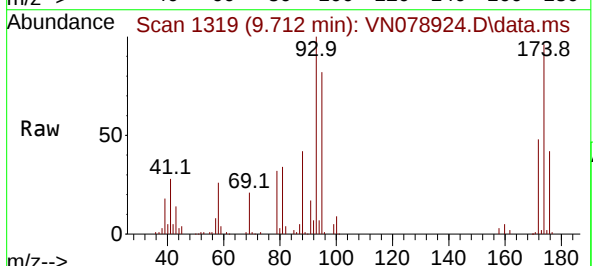
Tgt Ion: 93 Resp: 105419

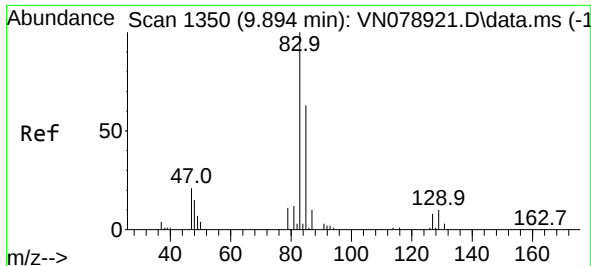
Ion Ratio Lower Upper

93 100

95 80.7 0.0 162.0

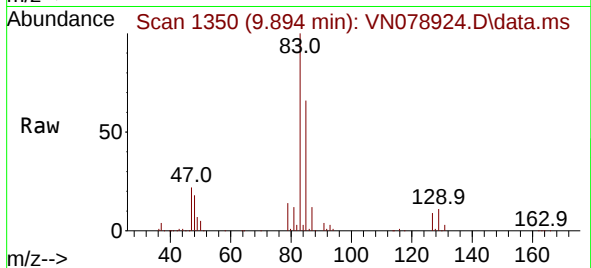
174 91.2 0.0 188.6





#41
Bromodichloromethane
Concen: 50.558 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

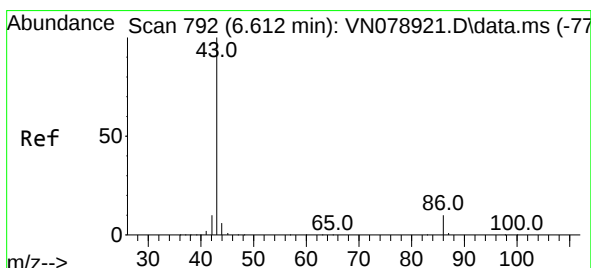
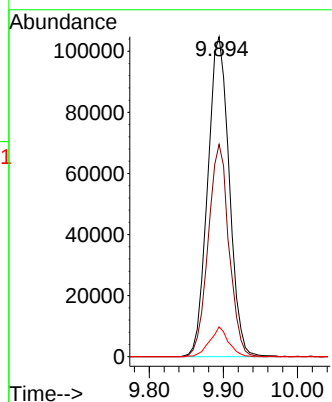
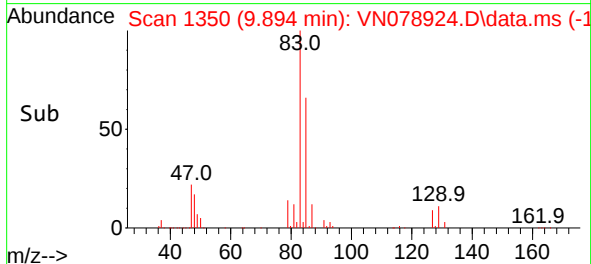
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 83 Resp: 21139
Ion Ratio Lower Upper
83 100
85 66.3 50.2 75.2
127 9.3 6.2 9.4

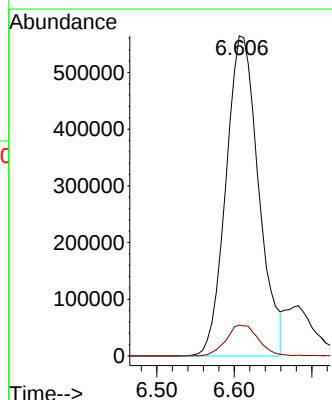
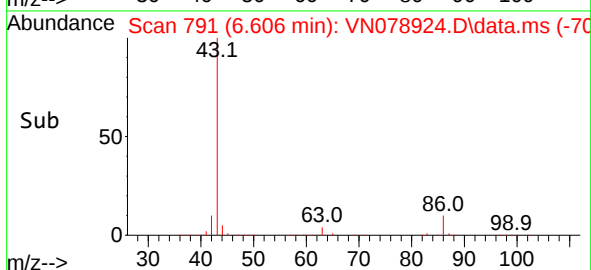
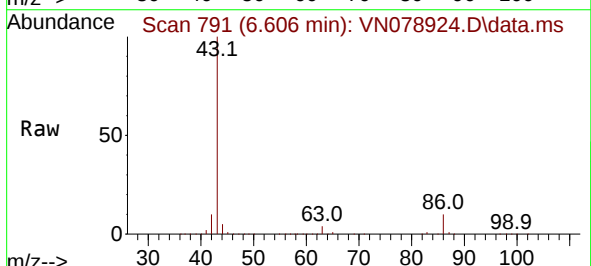
Manual Integrations
APPROVED

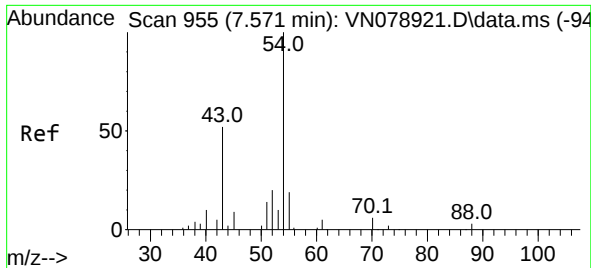
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#42
Vinyl Acetate
Concen: 261.091 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

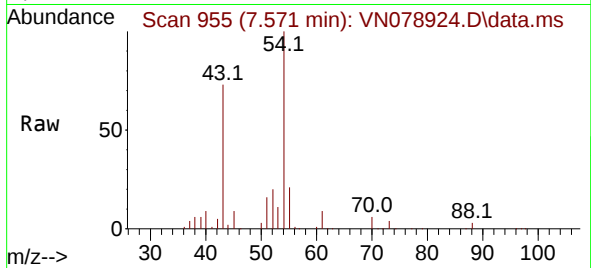
Tgt Ion: 43 Resp: 1655902
Ion Ratio Lower Upper
43 100
86 9.6 7.4 11.0





#43
Ethyl Acetate
Concen: 53.527 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

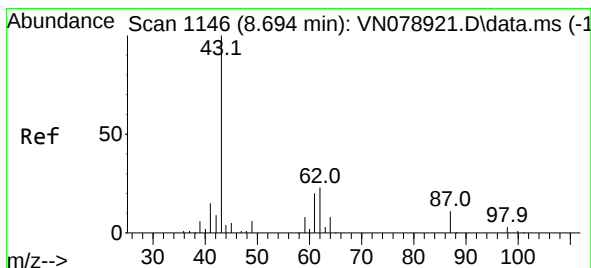
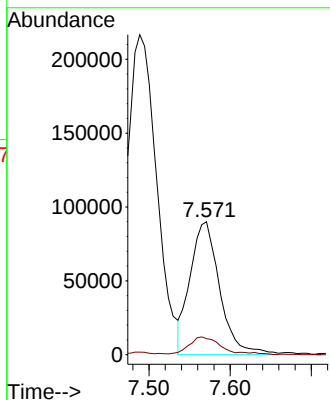
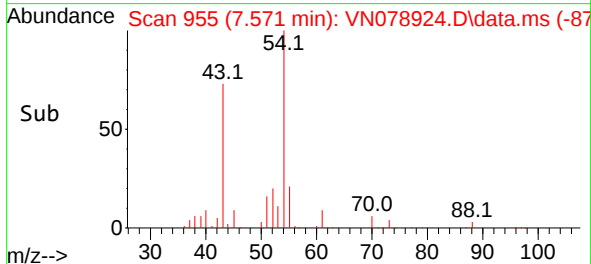
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



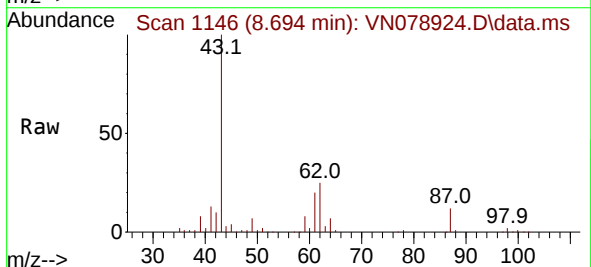
Tgt Ion: 43 Resp: 228980
Ion Ratio Lower Upper
43 100
45 12.1 9.6 14.4

Manual Integrations
APPROVED

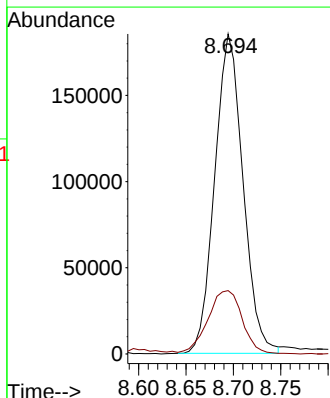
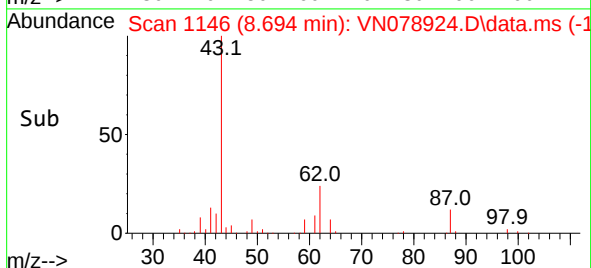
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

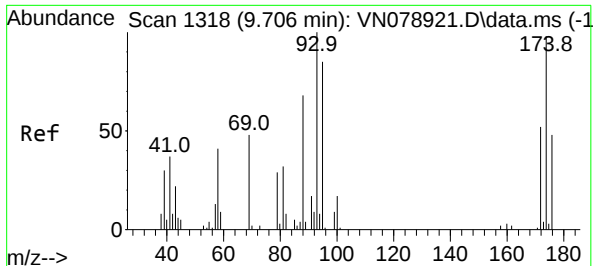


#44
Isopropyl Acetate
Concen: 49.999 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



Tgt Ion: 43 Resp: 384471
Ion Ratio Lower Upper
43 100
61 24.2 19.0 28.4





#45

1,4-Dioxane

Concen: 1058.649 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.012 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 88 Resp: 61258

Ion Ratio Lower Upper

88 100

43 32.6 28.1 42.1

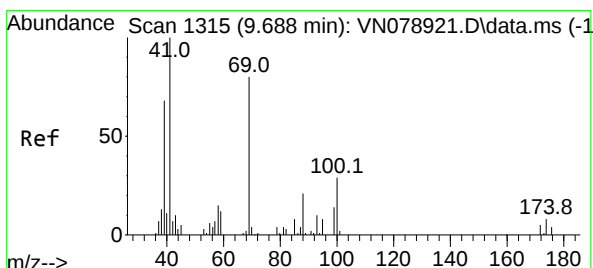
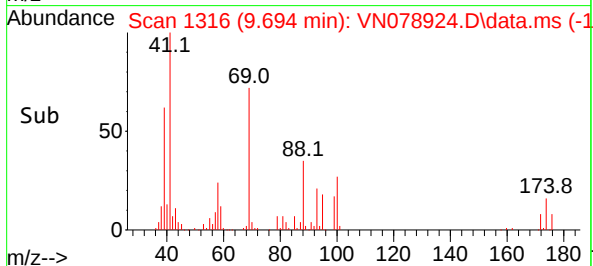
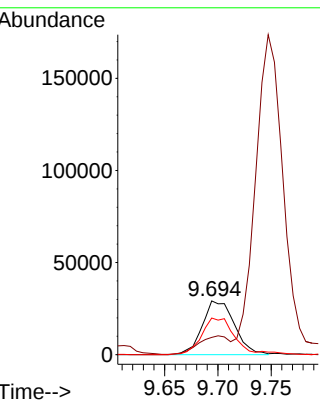
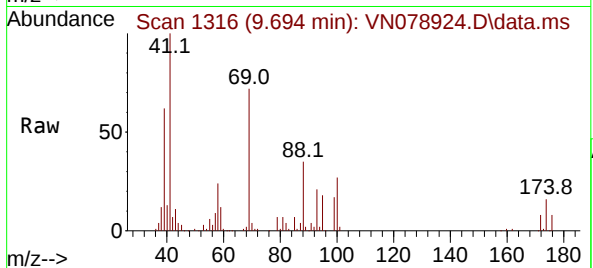
58 67.3 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#46

Methyl methacrylate

Concen: 54.327 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

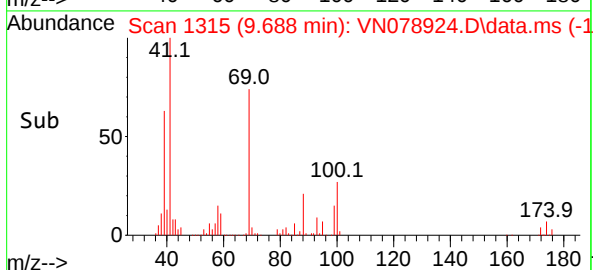
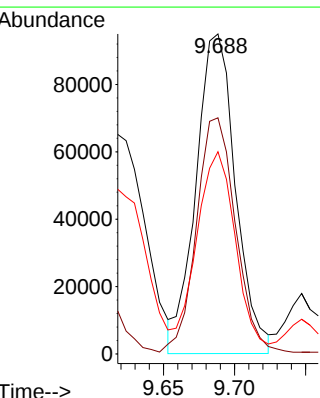
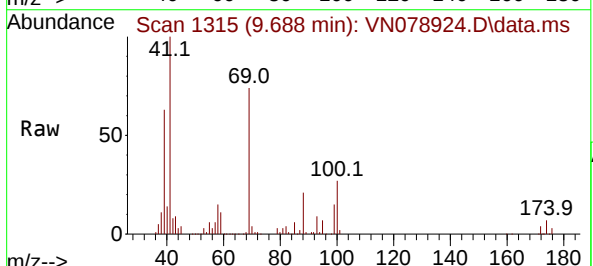
Tgt Ion: 41 Resp: 184058

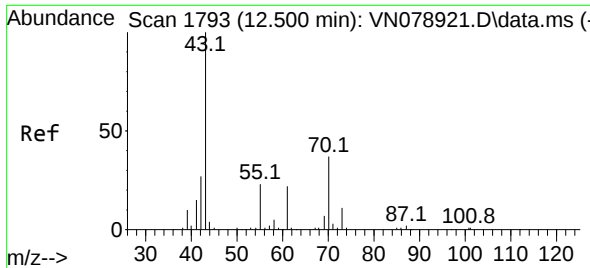
Ion Ratio Lower Upper

41 100

69 76.0 38.5 115.5

39 63.9 35.9 107.8





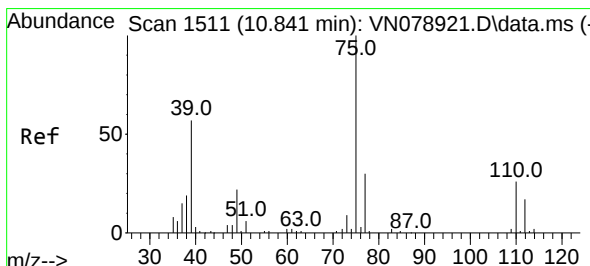
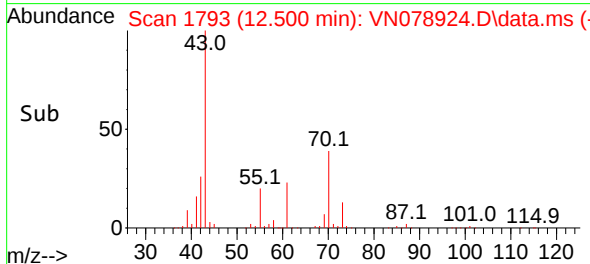
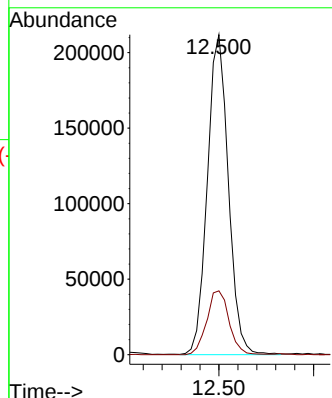
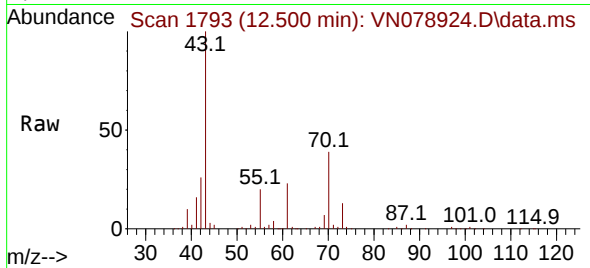
#47
n-amyl Acetate
Concen: 55.187 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 32565
Ion Ratio Lower Upper
43 100
55 21.3 17.5 26.3

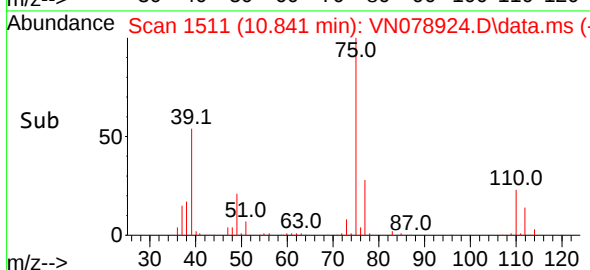
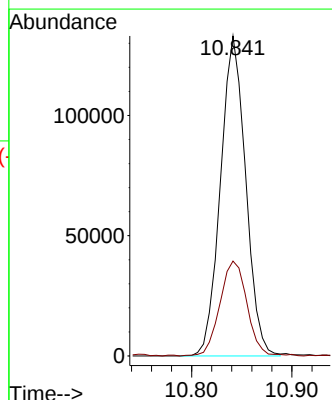
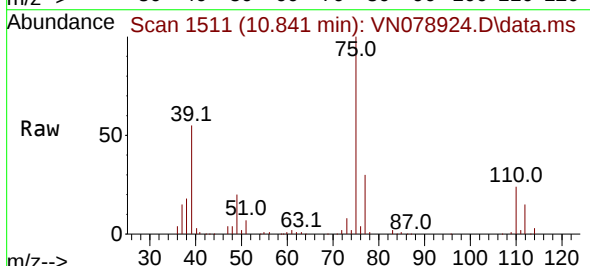
Manual Integrations
APPROVED

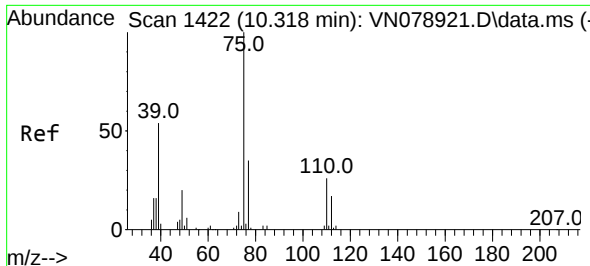
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#48
t-1,3-Dichloropropene
Concen: 52.082 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

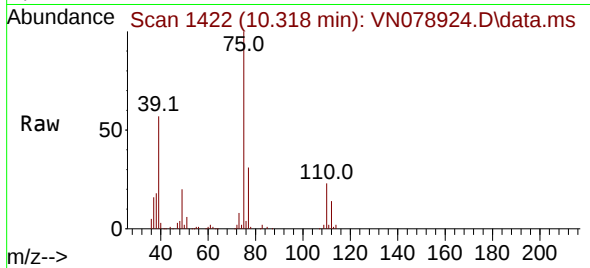
Tgt Ion: 75 Resp: 231930
Ion Ratio Lower Upper
75 100
77 29.7 23.7 35.5





#49
 cis-1,3-Dichloropropene
 Concen: 52.226 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

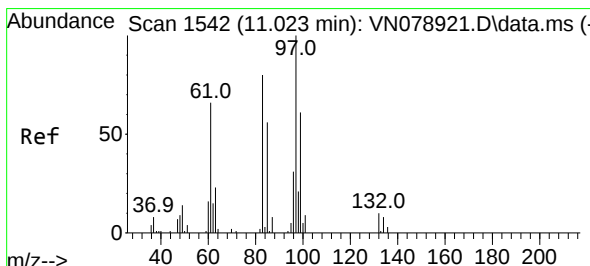
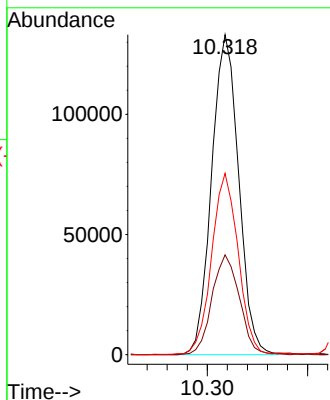
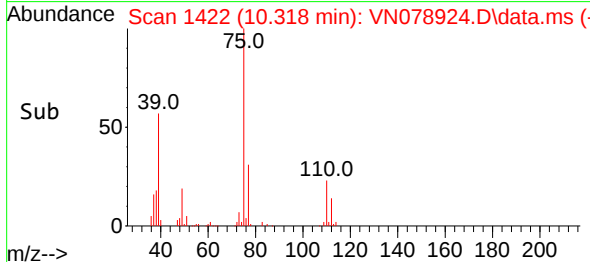
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 75 Resp: 249384
 Ion Ratio Lower Upper
 75 100
 77 31.2 27.8 41.8
 39 56.3 43.5 65.3

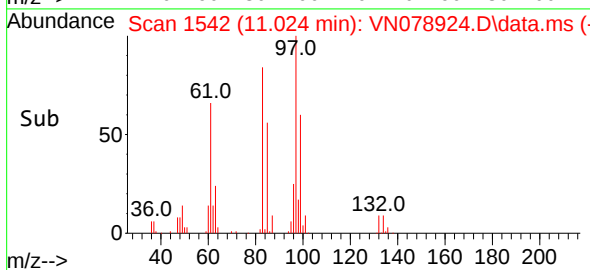
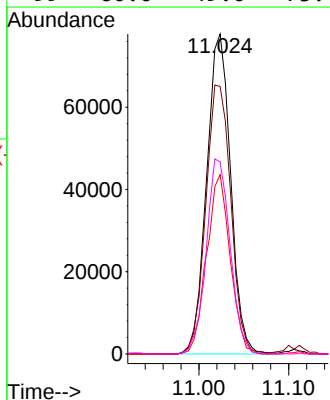
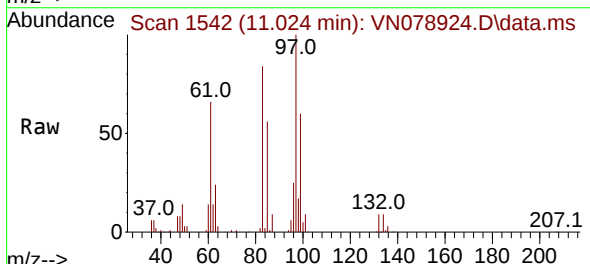
Manual Integrations
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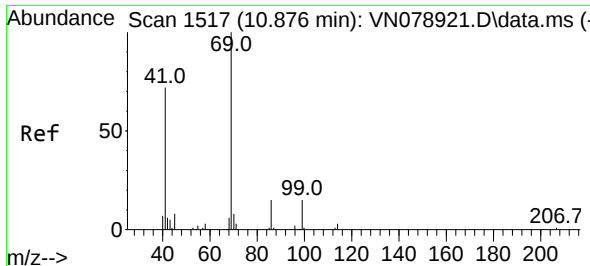
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#50
 1,1,2-Trichloroethane
 Concen: 51.428 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

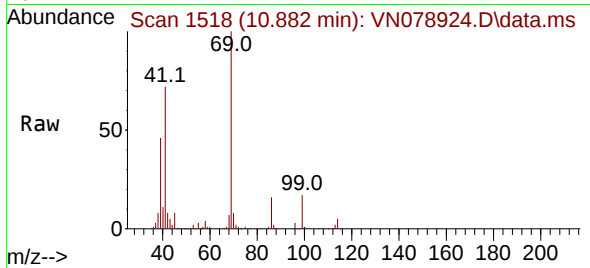
Tgt Ion: 97 Resp: 144495
 Ion Ratio Lower Upper
 97 100
 83 83.6 63.7 95.5
 85 56.1 44.9 67.3
 99 60.0 49.0 73.4





#51
Ethyl methacrylate
Concen: 53.057 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

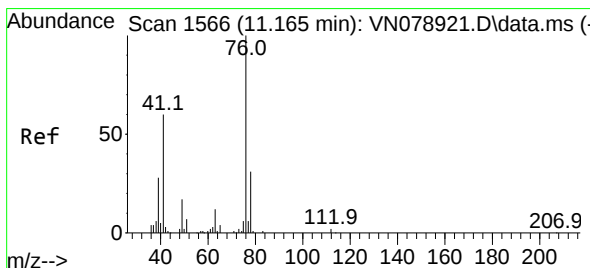
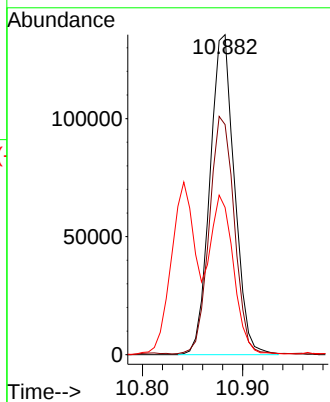
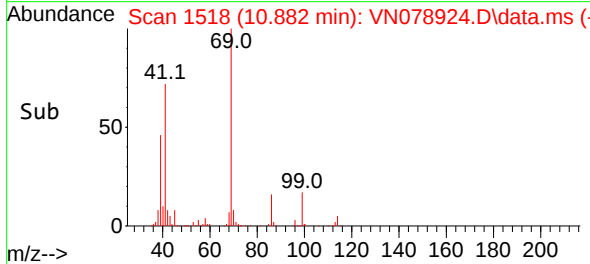
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 69 Resp: 230729
Ion Ratio Lower Upper
69 100
41 71.5 35.9 107.8
39 45.7 23.5 70.5

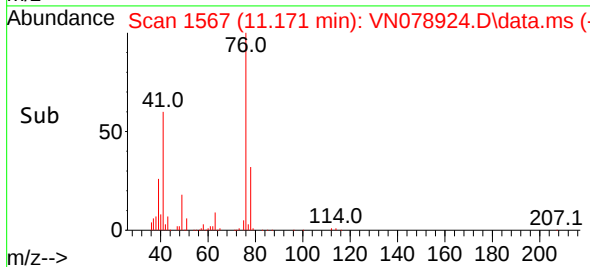
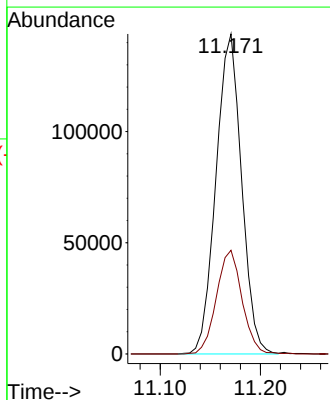
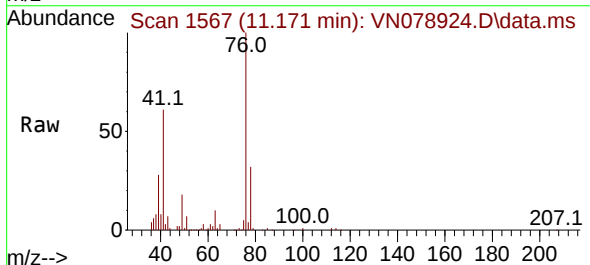
Manual Integrations
APPROVED

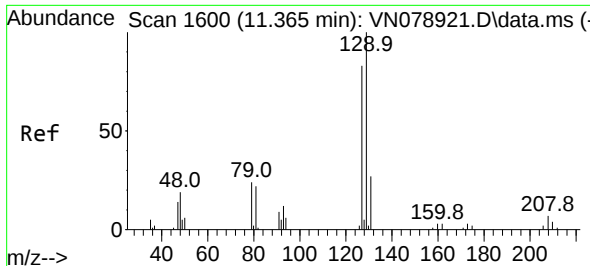
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#52
1,3-Dichloropropane
Concen: 50.644 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

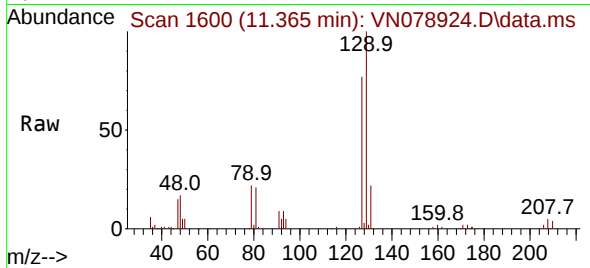
Tgt Ion: 76 Resp: 254862
Ion Ratio Lower Upper
76 100
78 32.4 0.0 64.6





#53
Dibromochloromethane
Concen: 51.342 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

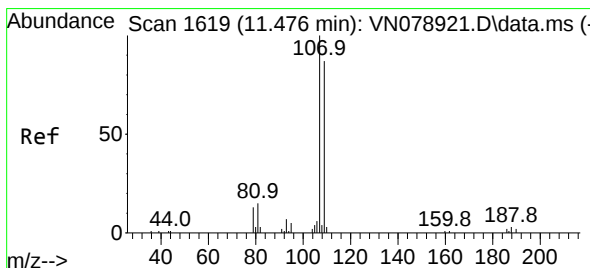
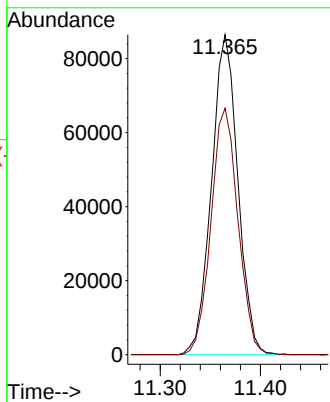
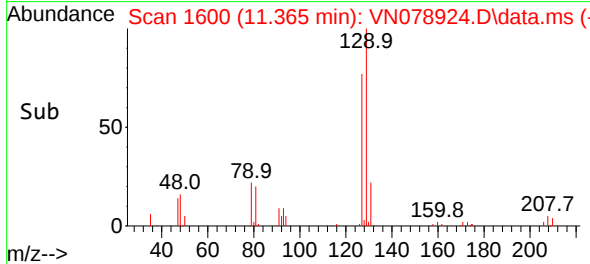
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



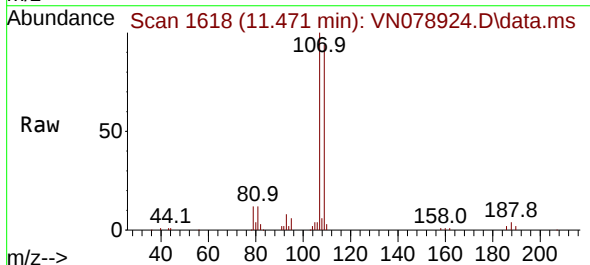
Tgt Ion:129 Resp: 15788
Ion Ratio Lower Upper
129 100
127 78.7 40.1 120.2

Manual Integrations
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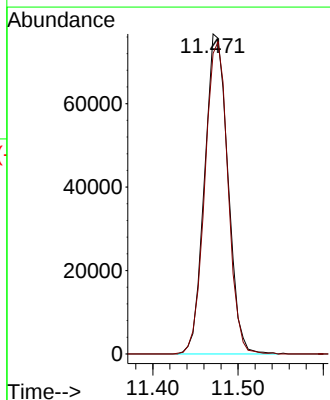
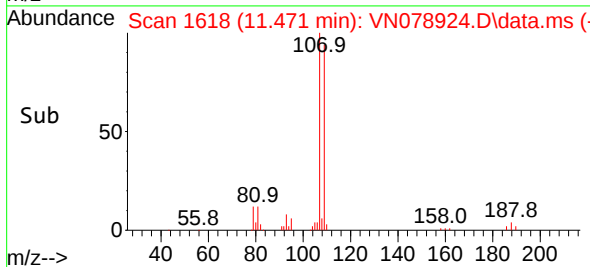
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

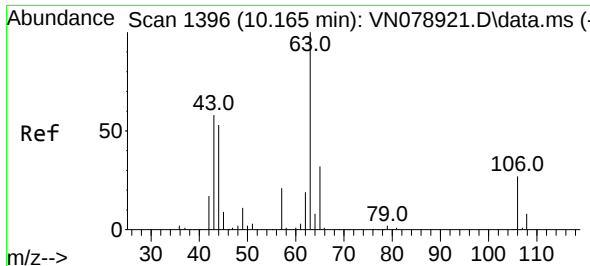


#54
1,2-Dibromoethane
Concen: 50.623 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



Tgt Ion:107 Resp: 146025
Ion Ratio Lower Upper
107 100
109 96.3 71.7 107.5





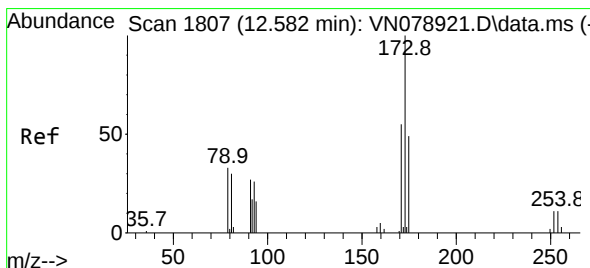
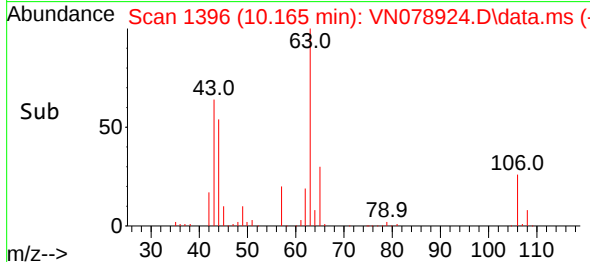
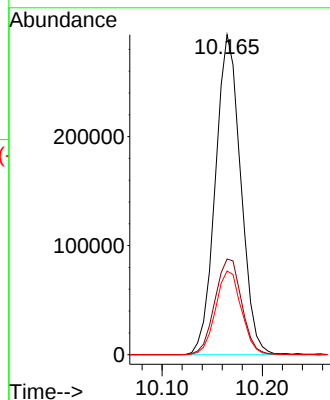
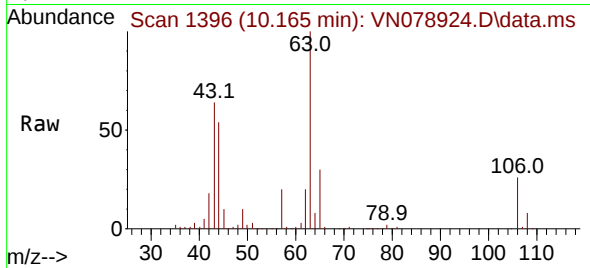
#55
2-Chloroethyl vinyl ether
Concen: 255.968 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 514500
Ion Ratio Lower Upper
63 100
65 31.6 25.4 38.2
106 26.6 22.3 33.5

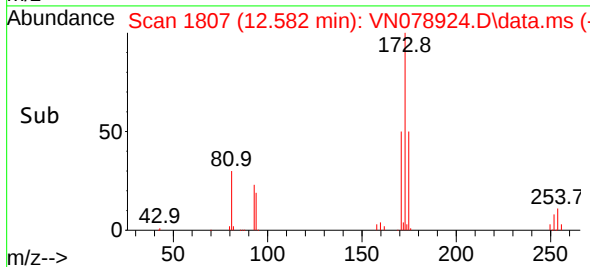
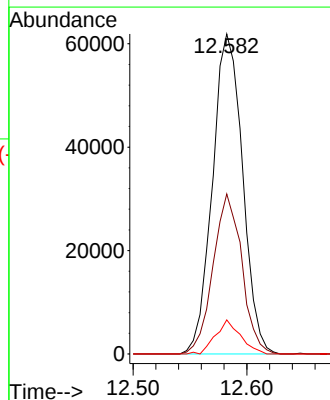
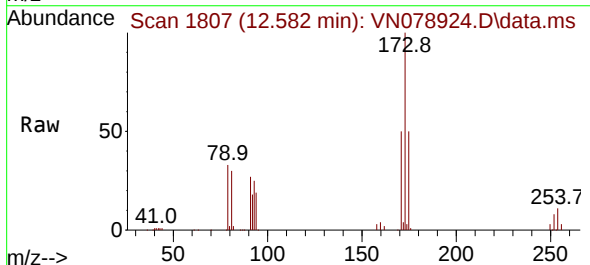
Manual Integrations
APPROVED

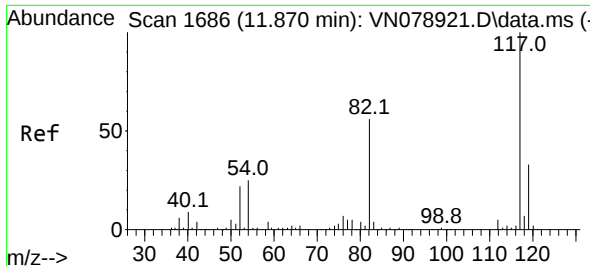
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#56
Bromoform
Concen: 52.511 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

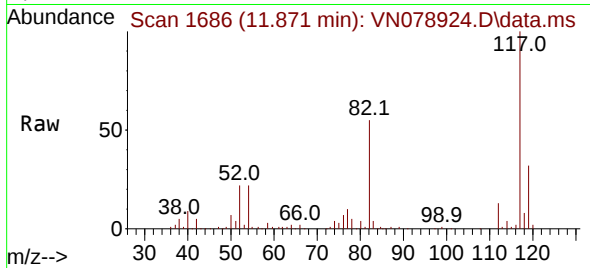
Tgt Ion:173 Resp: 113932
Ion Ratio Lower Upper
173 100
175 47.7 38.8 58.2
254 8.7 7.6 11.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

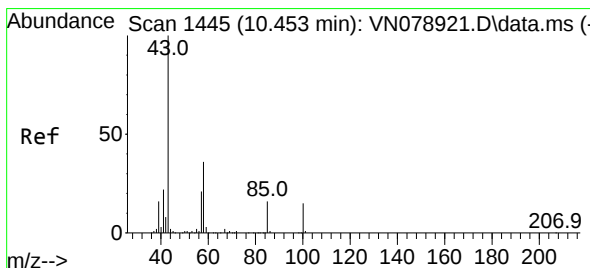
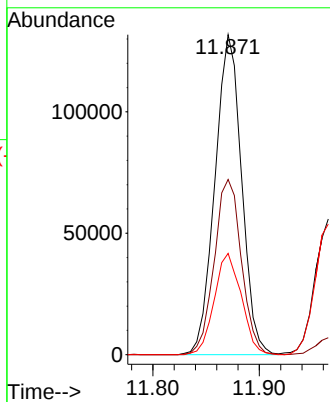
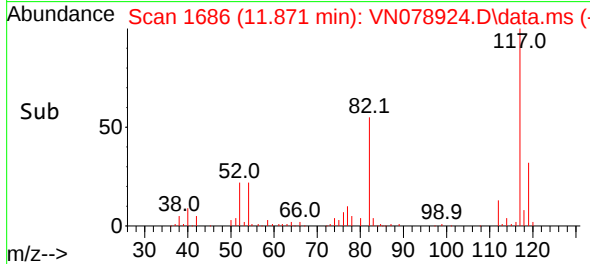
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:117 Resp: 22891
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.0
119 32.1 25.5 38.3

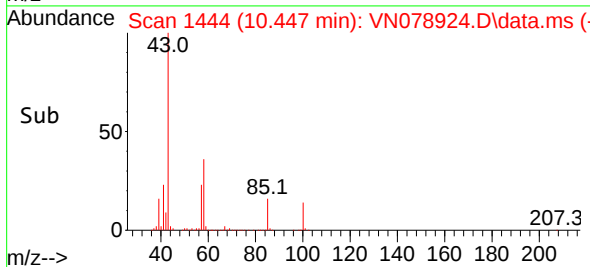
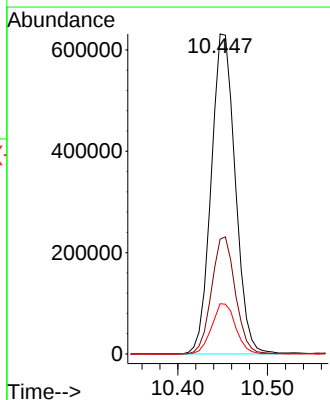
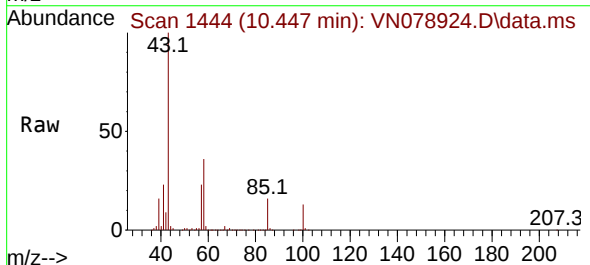
Manual Integrations
APPROVED

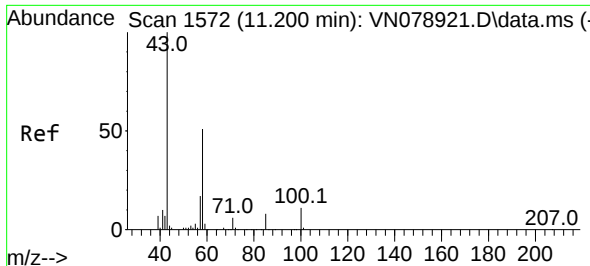
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#58
4-Methyl-2-Pentanone
Concen: 259.119 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

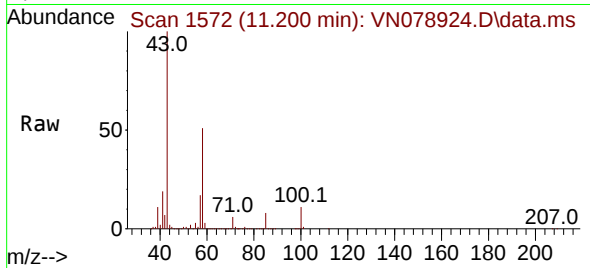
Tgt Ion: 43 Resp: 1176844
Ion Ratio Lower Upper
43 100
58 36.2 28.8 43.2
85 15.6 12.7 19.1





#59
2-Hexanone
Concen: 259.659 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

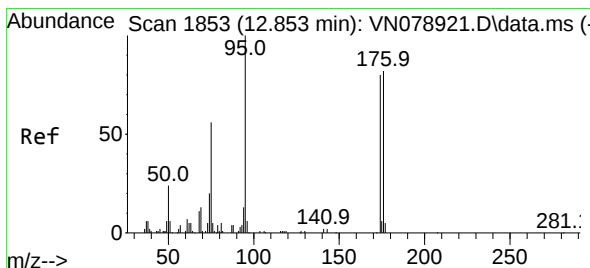
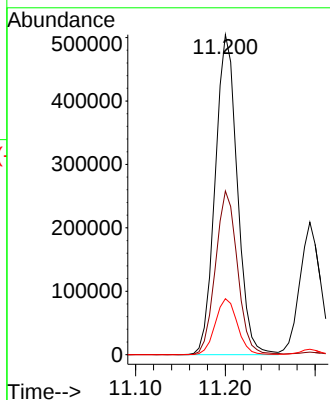
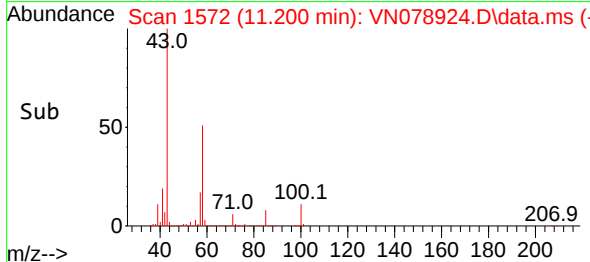
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



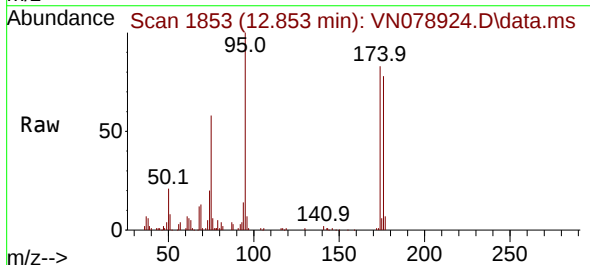
Tgt Ion: 43 Resp: 864050
Ion Ratio Lower Upper
43 100
58 50.8 40.6 60.8
57 17.5 13.6 20.4

Manual Integrations
APPROVED

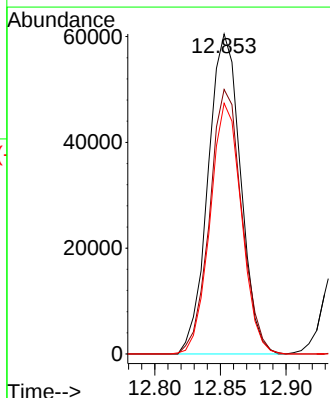
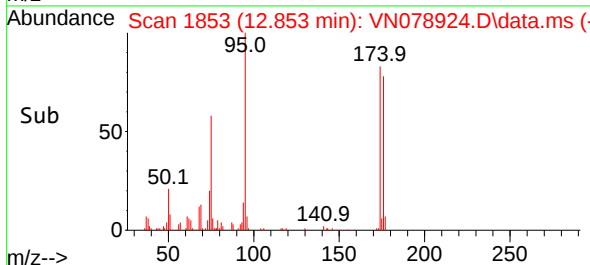
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

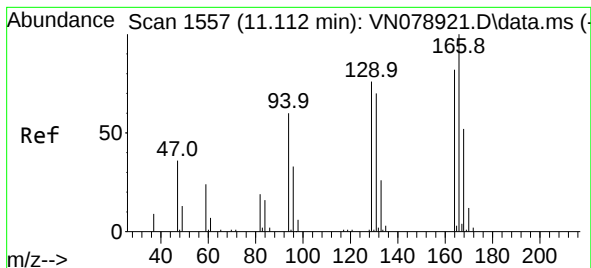


#60
4-Bromofluorobenzene
Concen: 31.207 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



Tgt Ion: 95 Resp: 104205
Ion Ratio Lower Upper
95 100
174 81.7 64.8 97.2
176 75.7 63.0 94.6





#61

Tetrachloroethene

Concen: 50.391 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:164 Resp: 111690

Ion Ratio Lower Upper

164 100

166 115.7 97.6 146.4

129 87.2 74.1 111.1

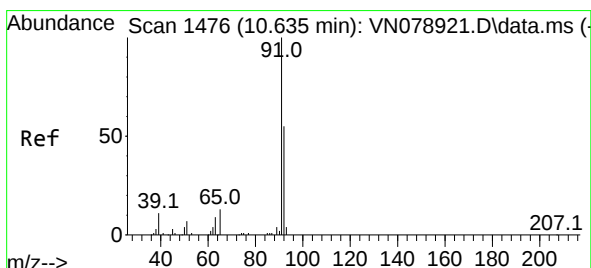
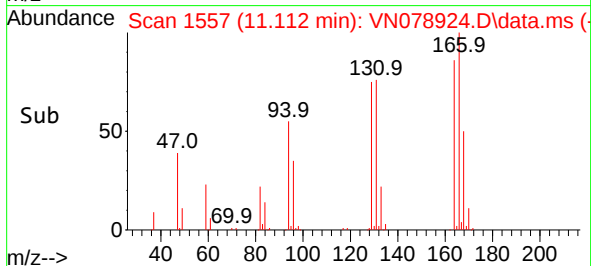
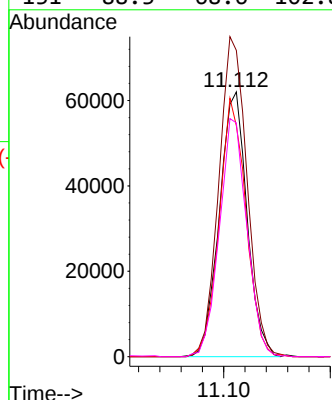
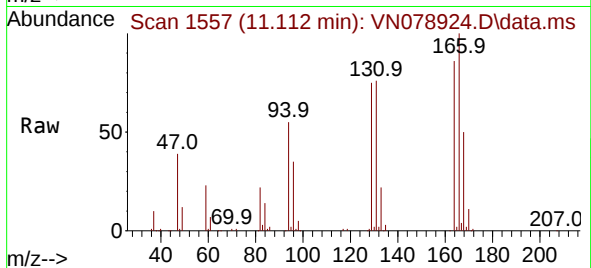
131 88.3 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#62

Toluene

Concen: 50.613 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078924.D

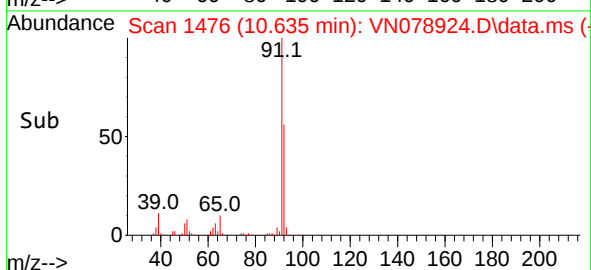
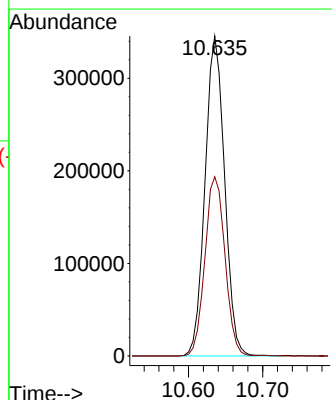
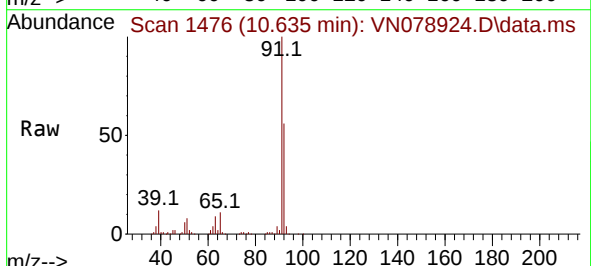
Acq: 17 Aug 2023 14:15

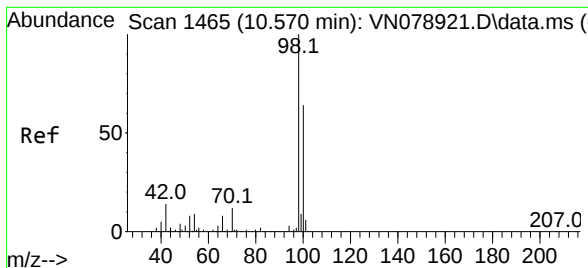
Tgt Ion: 91 Resp: 632539

Ion Ratio Lower Upper

91 100

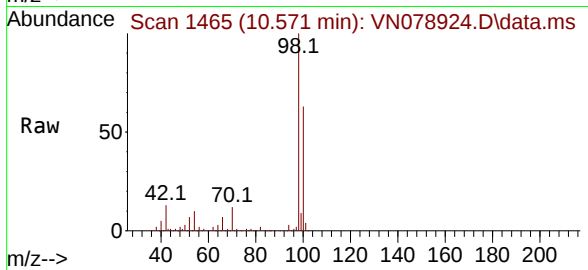
92 57.5 44.7 67.1





#63
Toluene-d8
Concen: 29.436 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

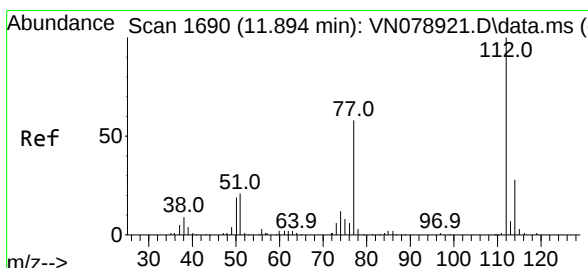
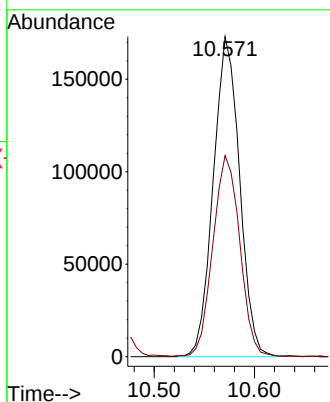
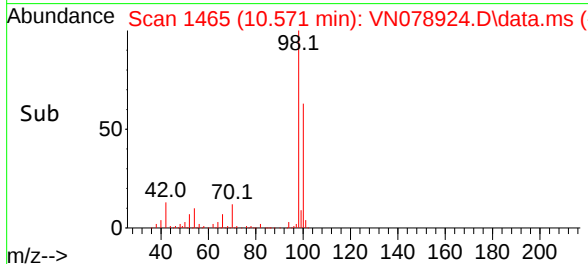
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 98 Resp: 314674
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

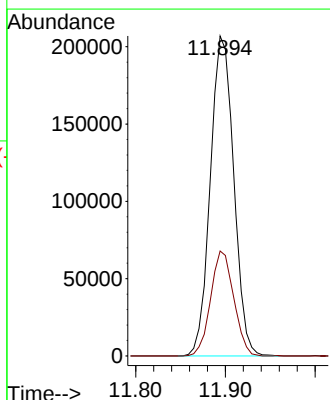
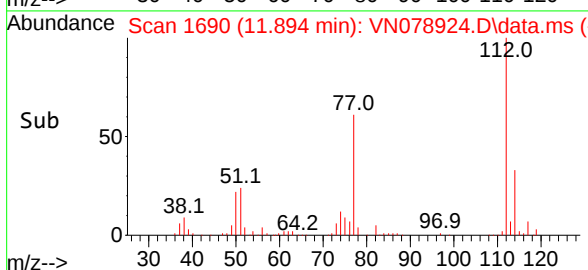
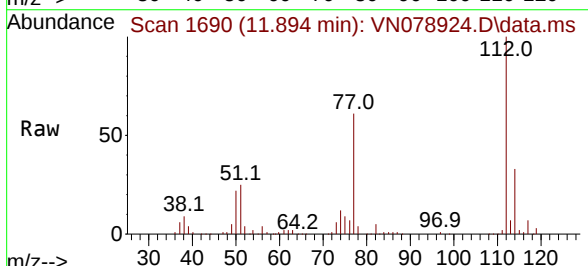
Manual Integrations
APPROVED

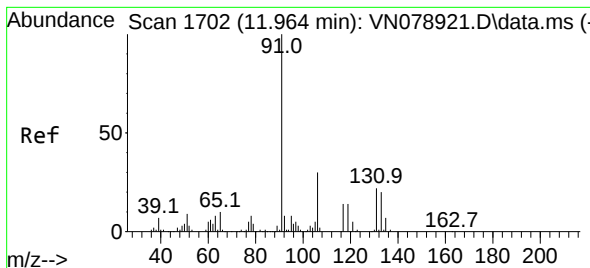
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#64
Chlorobenzene
Concen: 49.897 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion:112 Resp: 374936
Ion Ratio Lower Upper
112 100
114 32.8 22.4 33.6





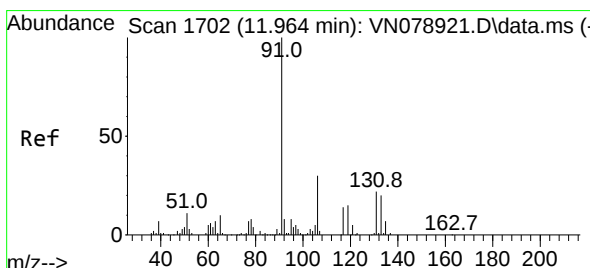
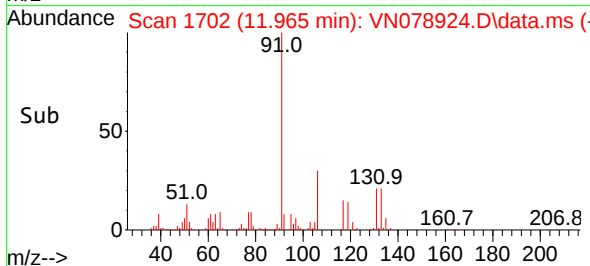
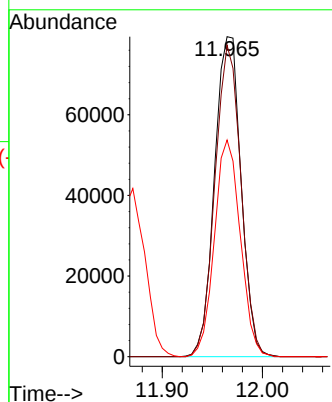
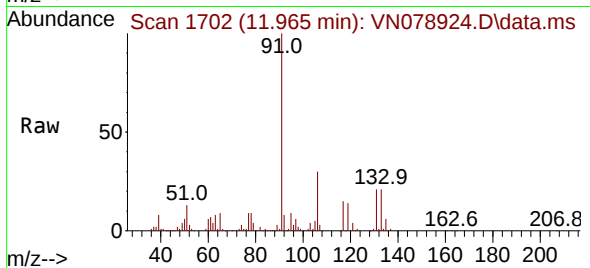
#65
1,1,1,2-Tetrachloroethane
Concen: 50.816 ug/l
RT: 11.965 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:131 Resp: 146004
Ion Ratio Lower Upper
131 100
133 95.2 0.0 184.8
119 66.2 0.0 133.4

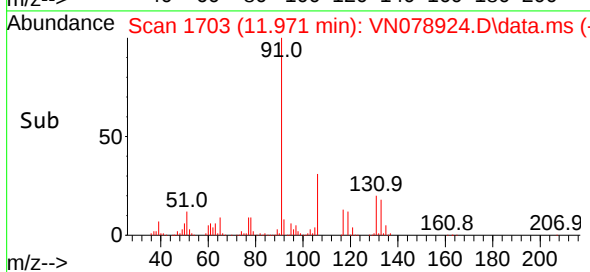
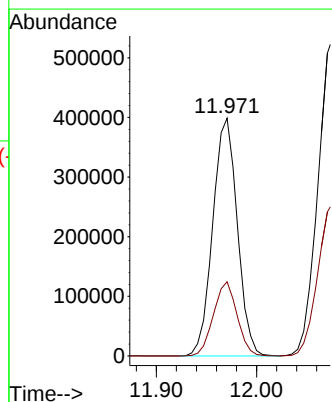
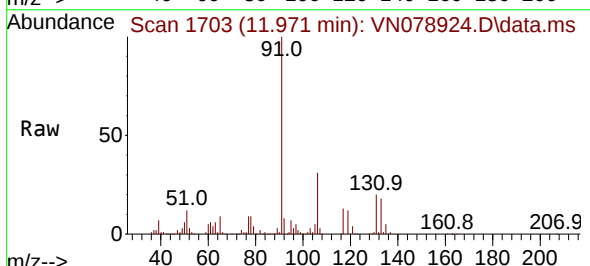
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APPROVED

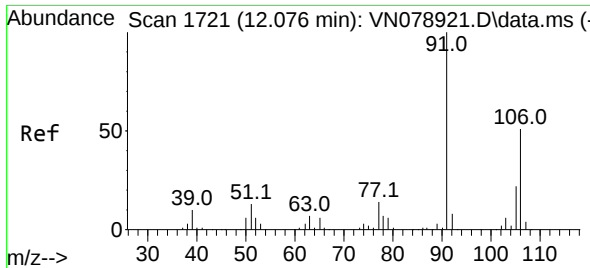
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#66
Ethyl Benzene
Concen: 51.860 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion: 91 Resp: 677944
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1





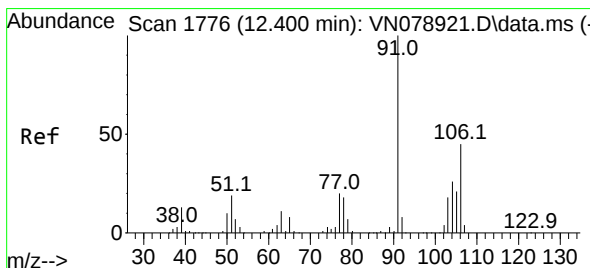
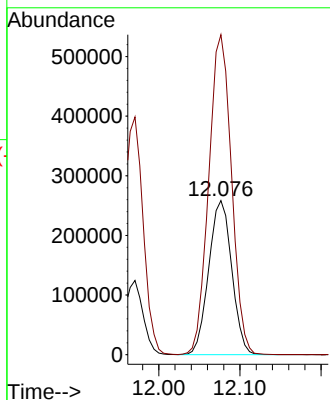
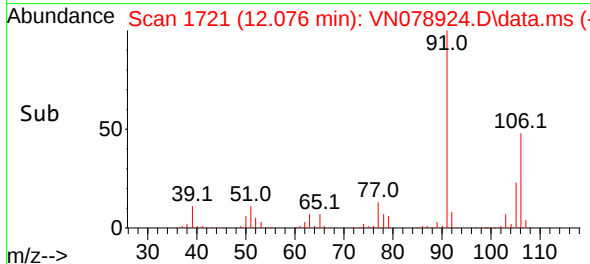
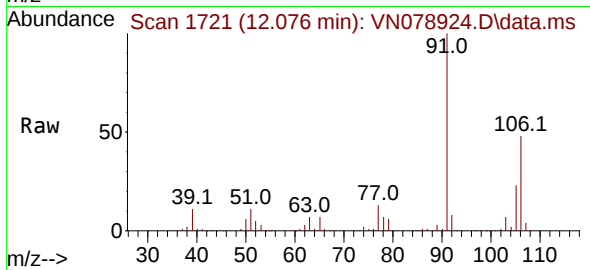
#67
m/p-Xylenes
Concen: 104.645 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 51058
Ion Ratio Lower Upper
106 100
91 205.4 161.2 241.8

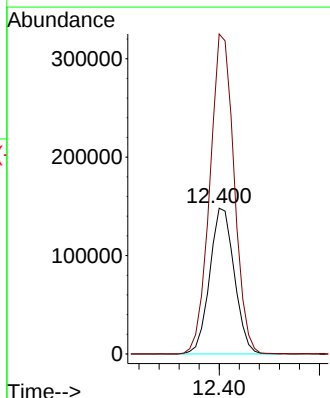
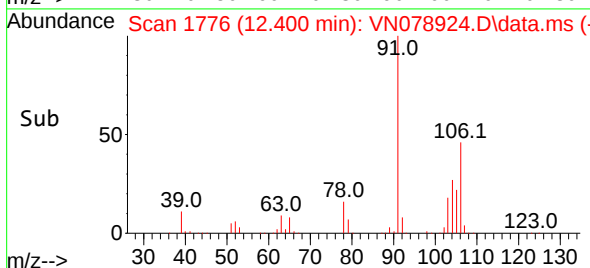
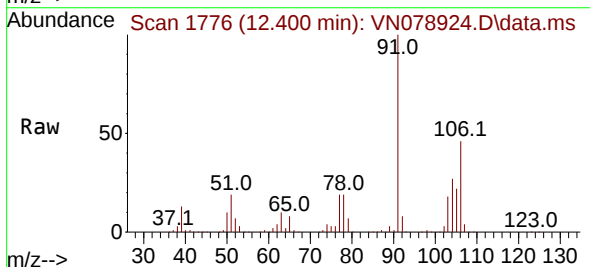
Manual Integrations
APPROVED

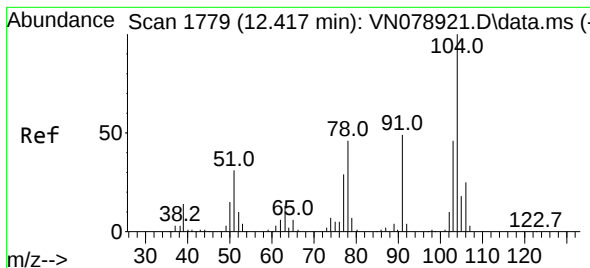
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#68
o-Xylene
Concen: 52.531 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion:106 Resp: 252459
Ion Ratio Lower Upper
106 100
91 216.5 109.0 327.0





#69

Styrene

Concen: 53.521 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:104 Resp: 41795

Ion Ratio Lower Upper

104 100

78 51.0 40.2 60.4

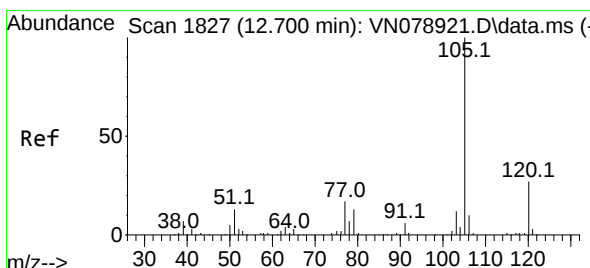
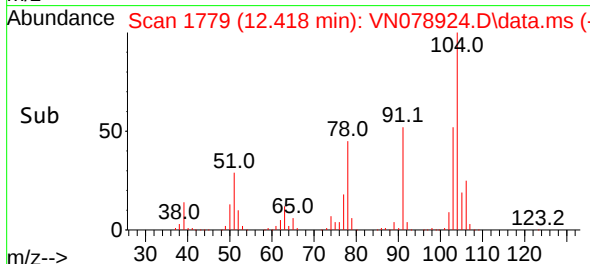
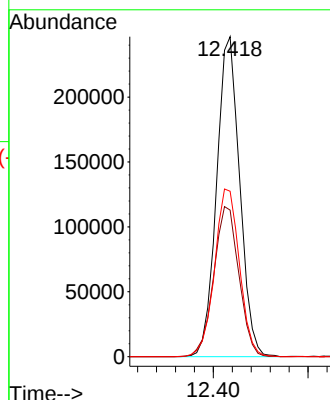
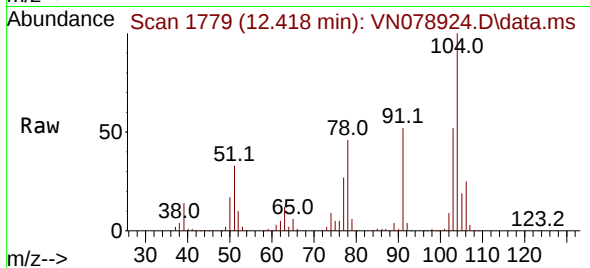
103 56.4 43.2 64.8

Manual Integrations

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Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#70

Isopropylbenzene

Concen: 52.489 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN078924.D

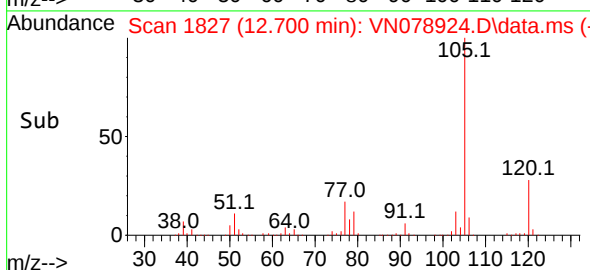
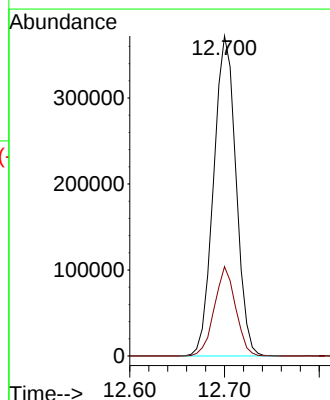
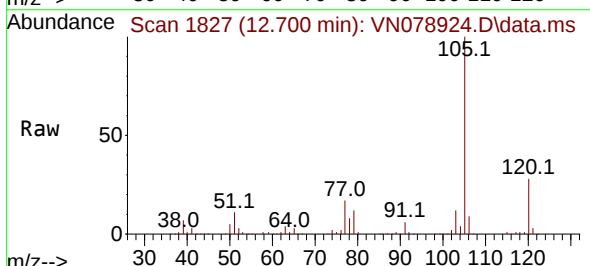
Acq: 17 Aug 2023 14:15

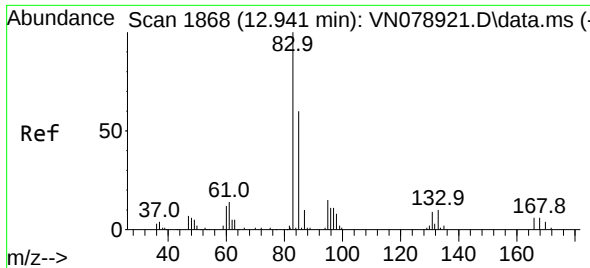
Tgt Ion:105 Resp: 611212

Ion Ratio Lower Upper

105 100

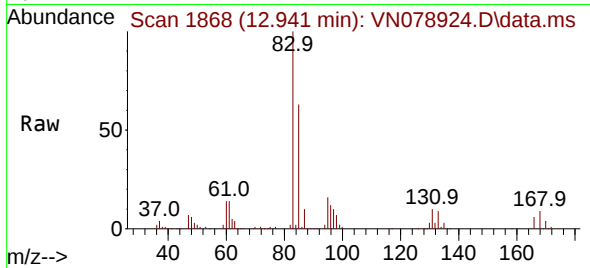
120 26.5 19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 50.359 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

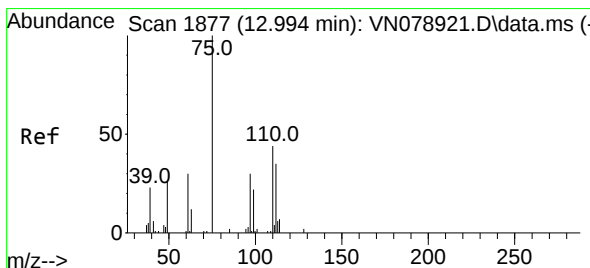
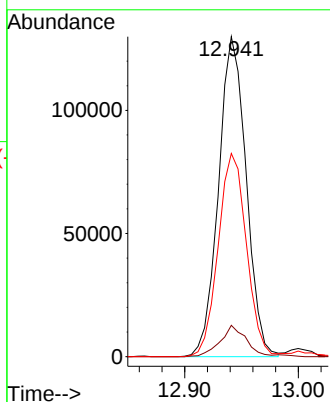
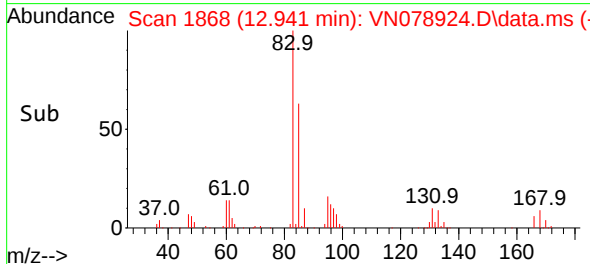
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



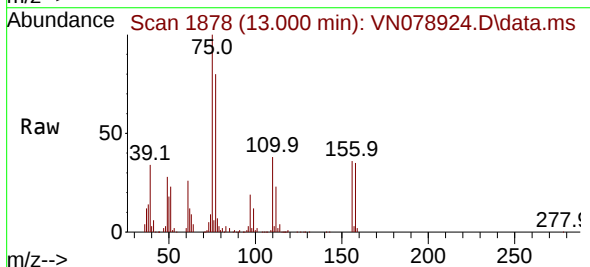
Tgt Ion: 83 Resp: 219820
Ion Ratio Lower Upper
83 100
131 9.1 4.7 14.0
85 64.8 31.9 95.7

Manual Integrations
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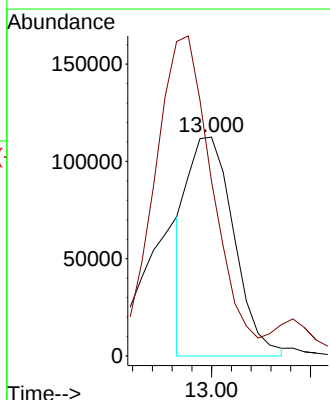
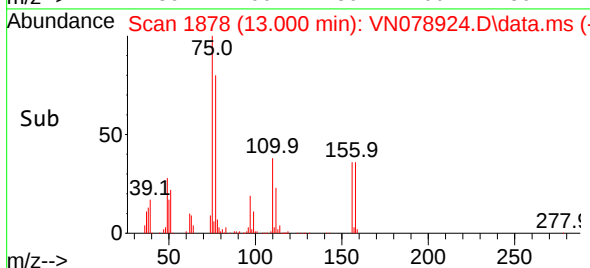
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

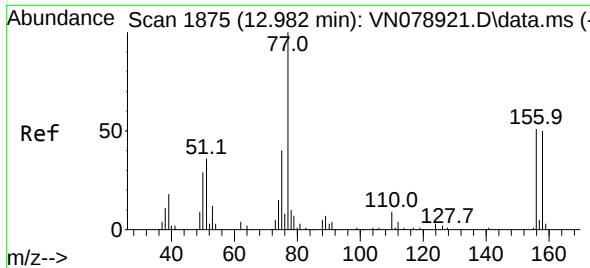


#72
1,2,3-Trichloropropane
Concen: 48.066 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



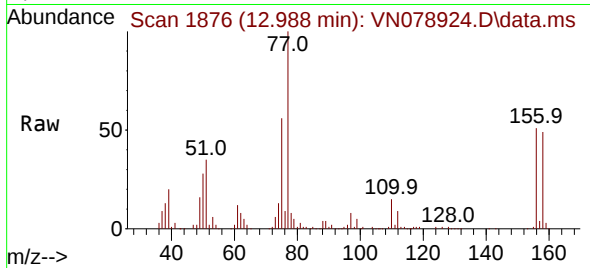
Tgt Ion: 75 Resp: 183865
Ion Ratio Lower Upper
75 100
77 183.0 0.0 367.4





#73
Bromobenzene
Concen: 51.400 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

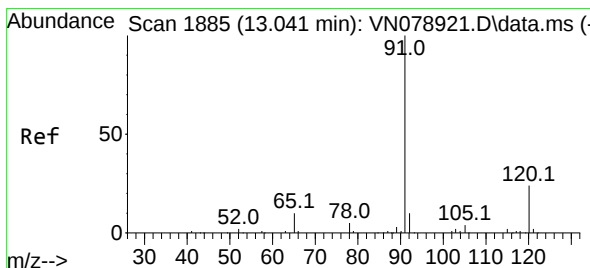
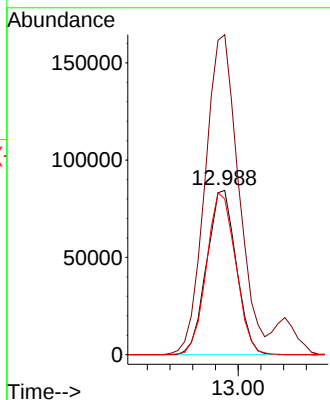
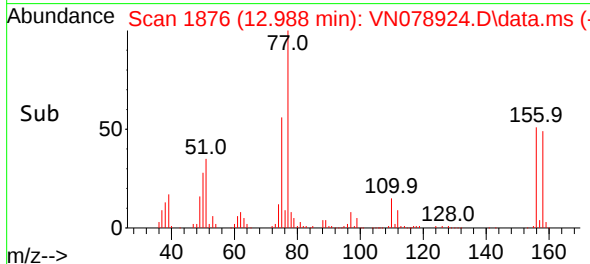
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



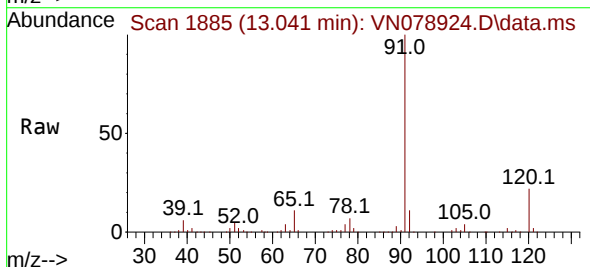
Tgt Ion:156 Resp: 152378
Ion Ratio Lower Upper
156 100
77 220.9 0.0 431.0
158 97.7 0.0 196.8

Manual Integrations
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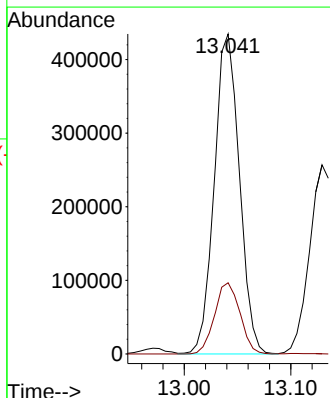
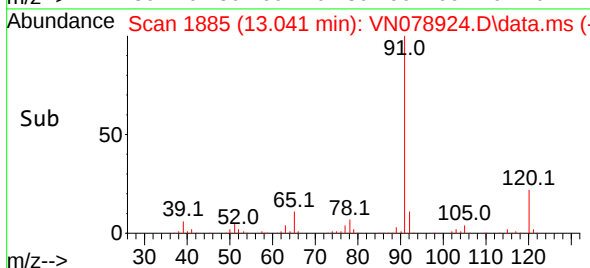
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

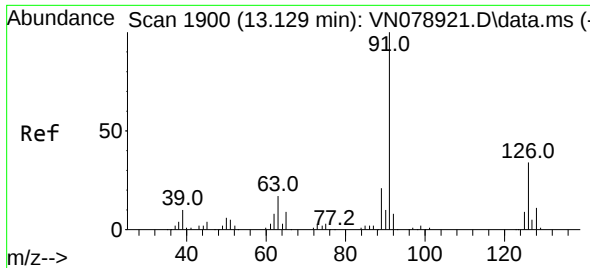


#74
n-propylbenzene
Concen: 53.868 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



Tgt Ion: 91 Resp: 710903
Ion Ratio Lower Upper
91 100
120 22.4 0.0 44.4





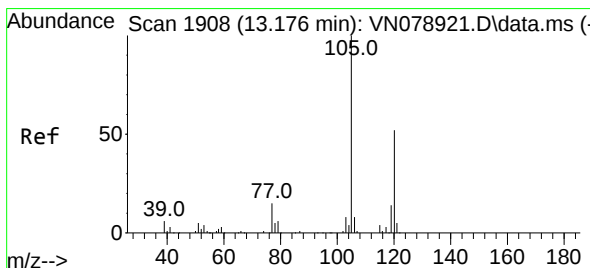
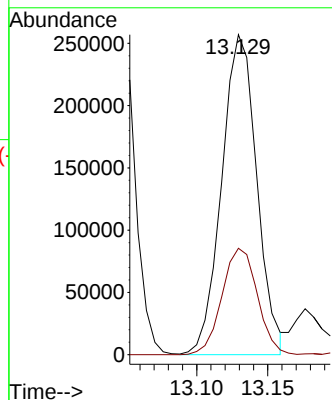
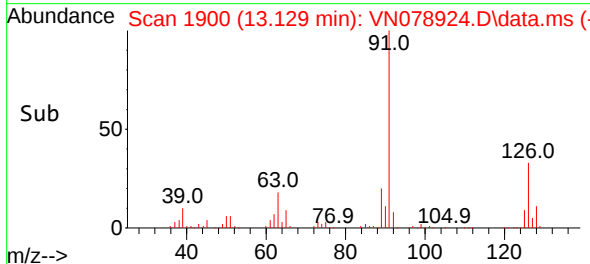
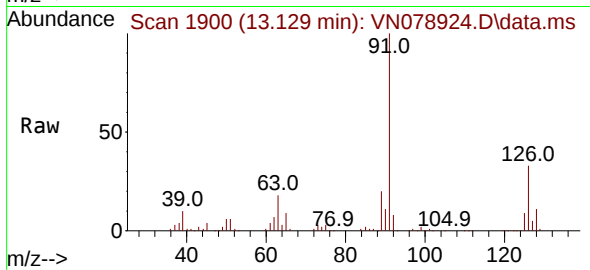
#75
2-Chlorotoluene
Concen: 52.779 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 44188
Ion Ratio Lower Upper
91 100
126 33.4 0.0 67.2

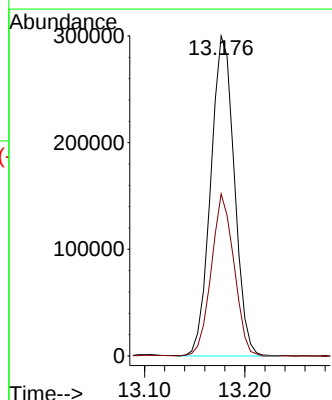
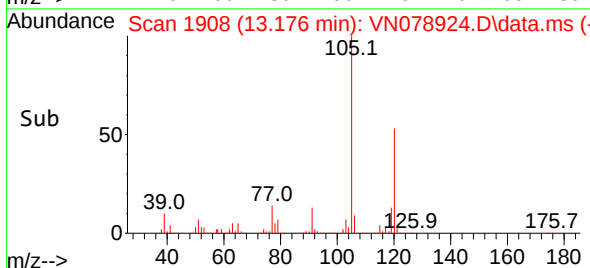
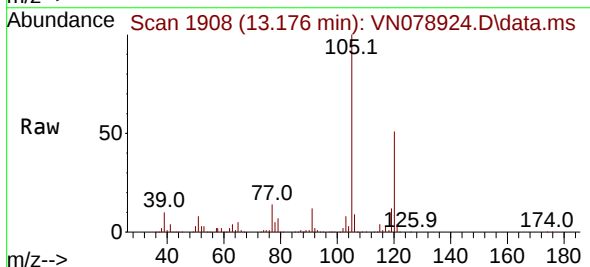
Manual Integrations
APPROVED

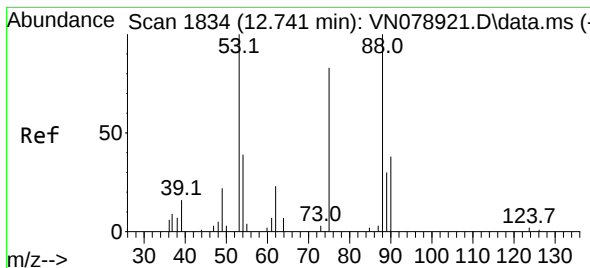
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#76
1,3,5-Trimethylbenzene
Concen: 53.150 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

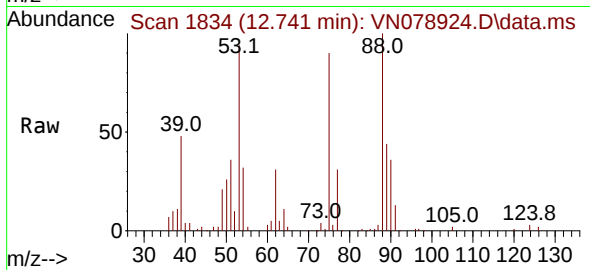
Tgt Ion:105 Resp: 490622
Ion Ratio Lower Upper
105 100
120 48.7 0.0 98.8





#77
t-1,4-Dichloro-2-butene
Concen: 55.336 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

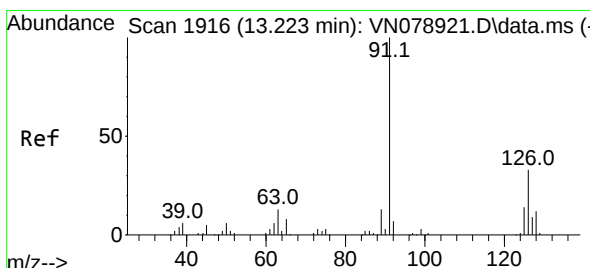
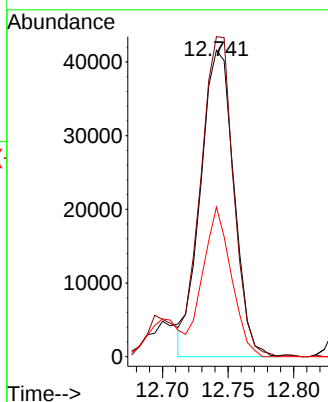
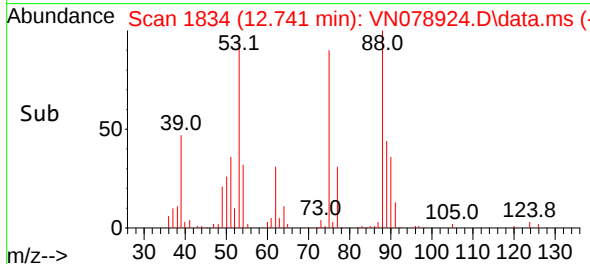
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



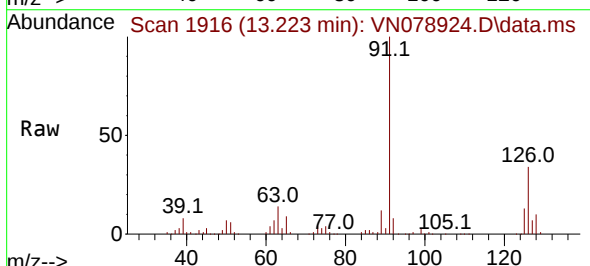
Tgt Ion: 75 Resp: 7364
Ion Ratio Lower Upper
75 100
53 104.8 60.1 180.3
89 49.0 22.9 68.8

Manual Integrations
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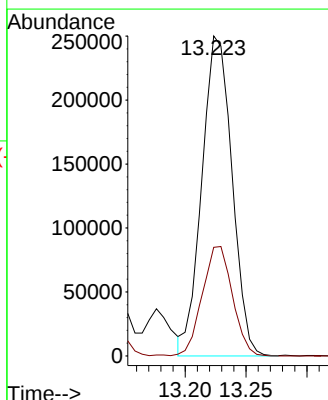
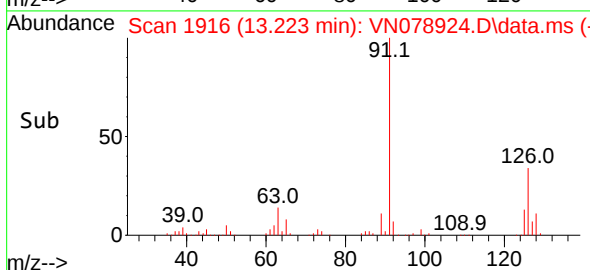
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023

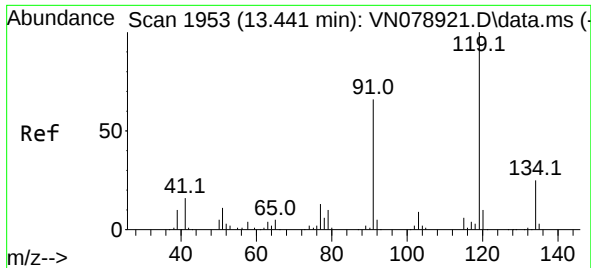


#78
4-Chlorotoluene
Concen: 53.688 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



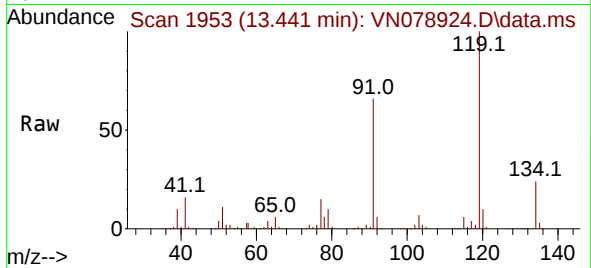
Tgt Ion: 91 Resp: 430628
Ion Ratio Lower Upper
91 100
126 34.2 0.0 67.4





#79
tert-butylbenzene
Concen: 54.073 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

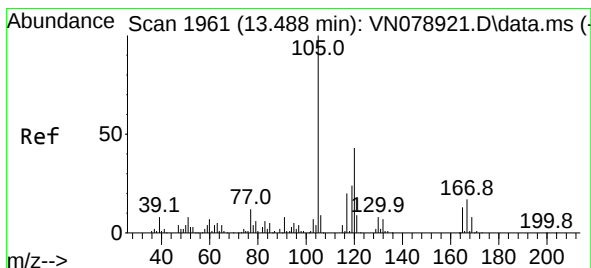
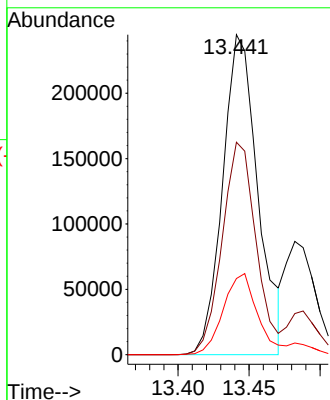
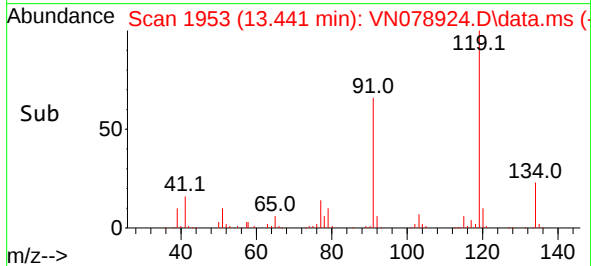
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:119 Resp: 421793
Ion Ratio Lower Upper
119 100
91 64.1 0.0 135.6
134 24.9 0.0 51.4

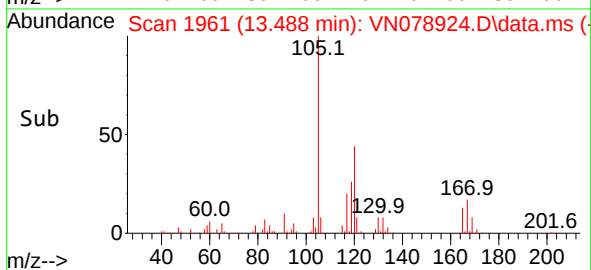
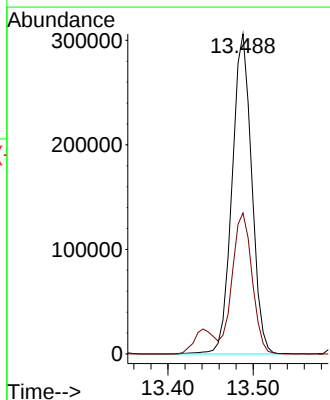
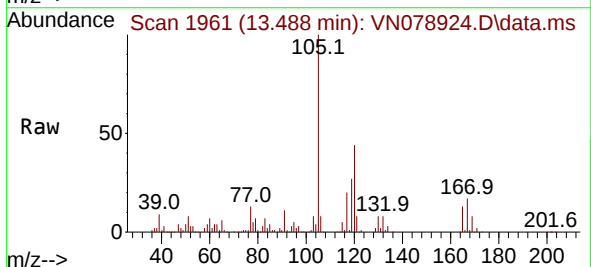
Manual Integrations
APPROVED

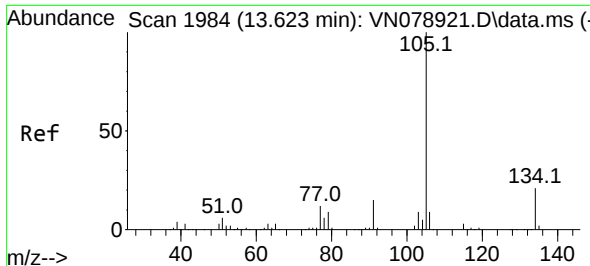
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#80
1,2,4-Trimethylbenzene
Concen: 53.950 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion:105 Resp: 489683
Ion Ratio Lower Upper
105 100
120 44.7 0.0 91.6





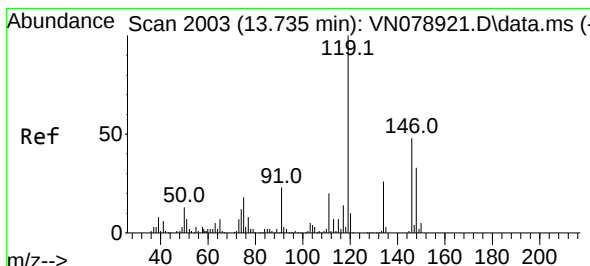
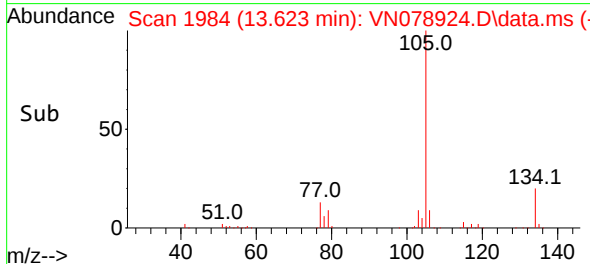
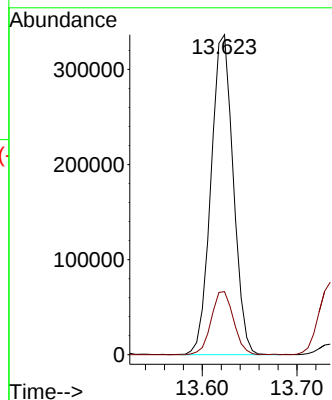
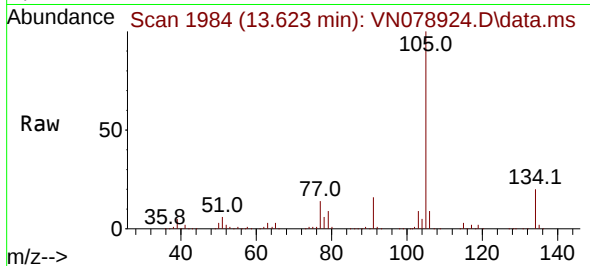
#81
 sec-Butylbenzene
 Concen: 53.534 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 55110
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 41.6

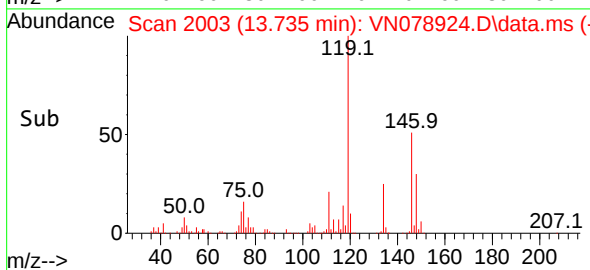
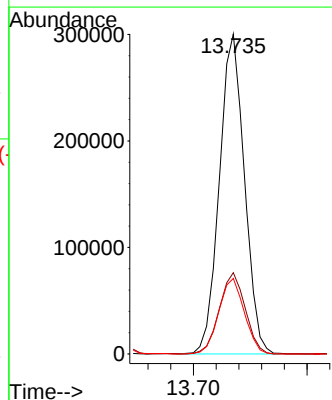
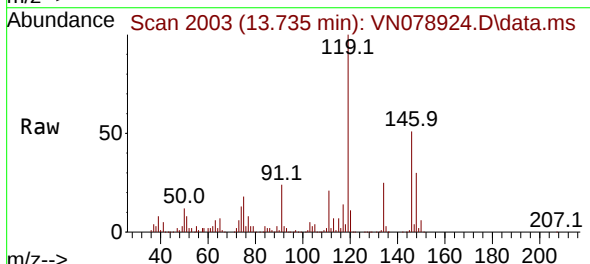
Manual Integrations
 APPROVED

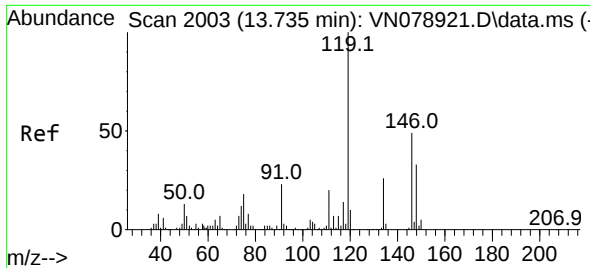
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023



#82
 p-Isopropyltoluene
 Concen: 54.812 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

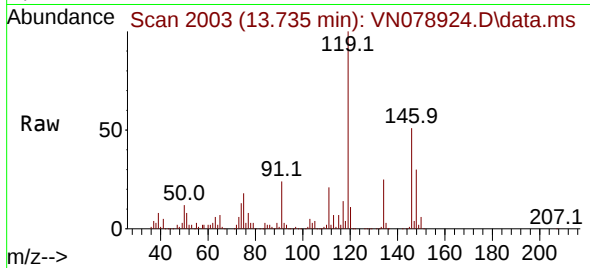
Tgt Ion:119 Resp: 460690
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 52.4
 91 24.1 0.0 47.4





#83
 1,3-Dichlorobenzene
 Concen: 54.767 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15

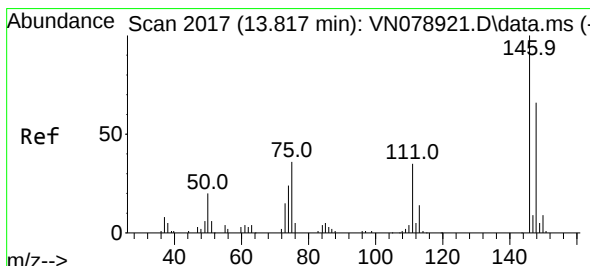
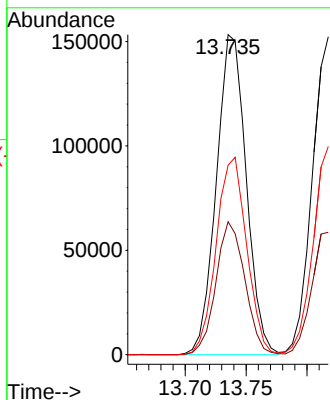
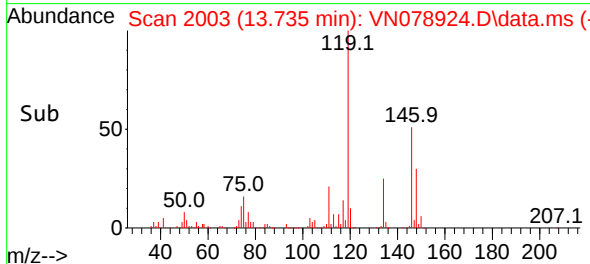
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



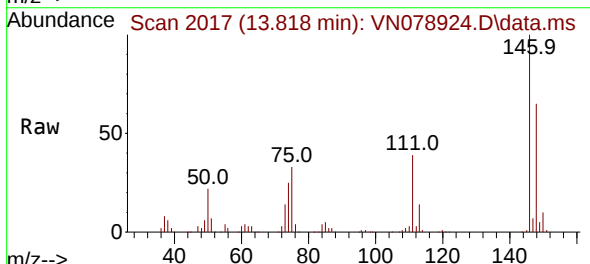
Tgt Ion:146 Resp: 26202
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.2 63.6
 148 62.9 33.1 99.5

Manual Integrations
 APPROVED

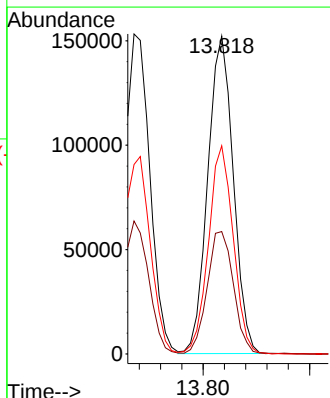
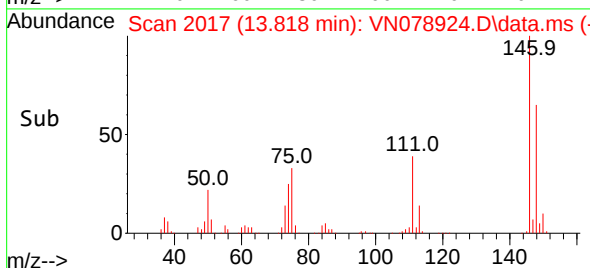
Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023

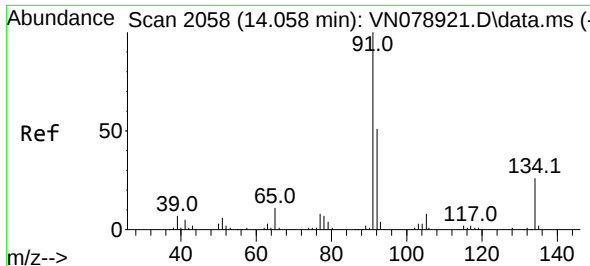


#84
 1,4-Dichlorobenzene
 Concen: 53.845 ug/l
 RT: 13.818 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VN078924.D
 Acq: 17 Aug 2023 14:15



Tgt Ion:146 Resp: 252919
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.6 56.0
 148 63.8 32.0 96.2





#85
n-Butylbenzene
Concen: 56.169 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

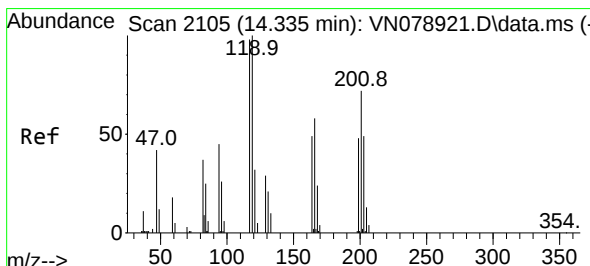
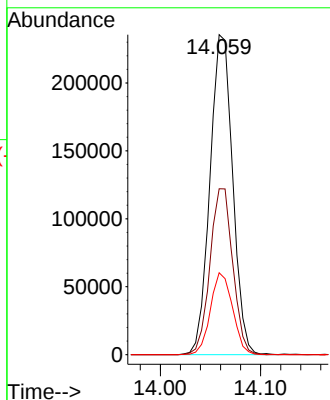
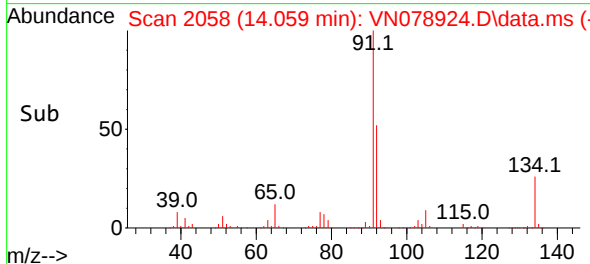
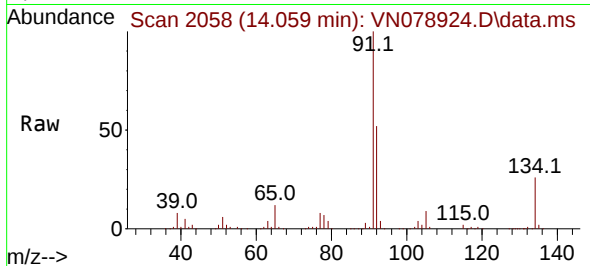
VSTDICC050

Tgt Ion: 91 Resp: 371309
Ion Ratio Lower Upper
91 100
92 52.0 0.0 102.8
134 24.9 0.0 48.6

Manual Integrations

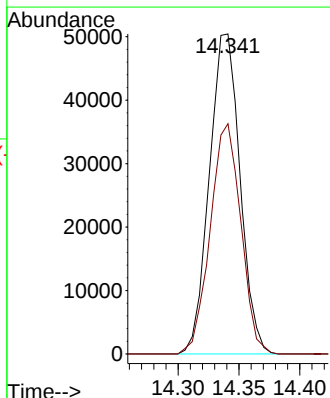
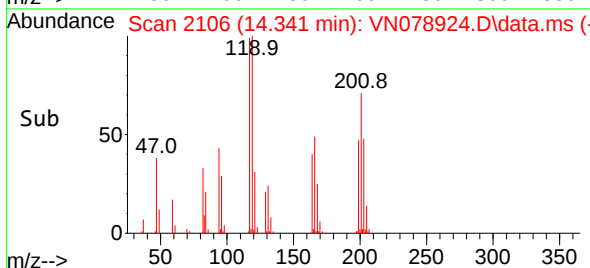
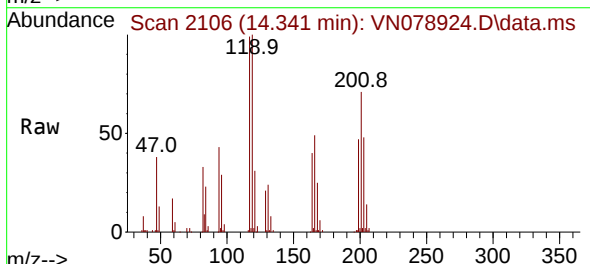
APPROVED

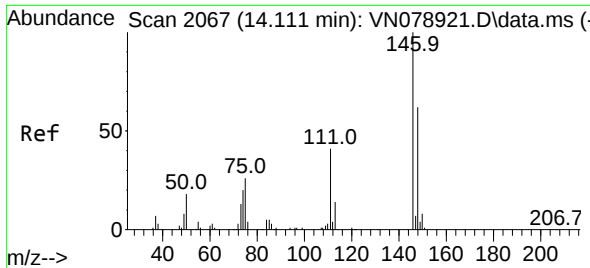
Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#86
Hexachloroethane
Concen: 51.513 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

Tgt Ion:117 Resp: 88589
Ion Ratio Lower Upper
117 100
201 71.7 36.6 109.8





#87

1,2-Dichlorobenzene

Concen: 53.269 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:146 Resp: 261030

Ion Ratio Lower Upper

146 100

111 41.8 20.3 60.8

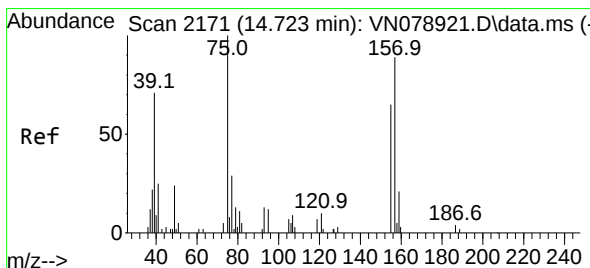
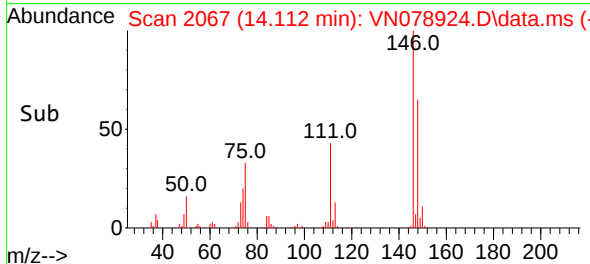
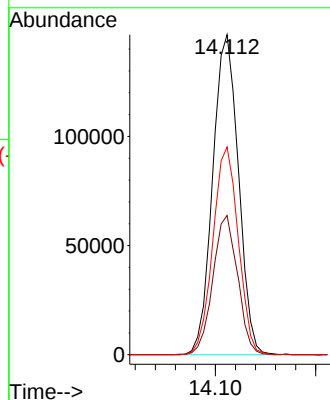
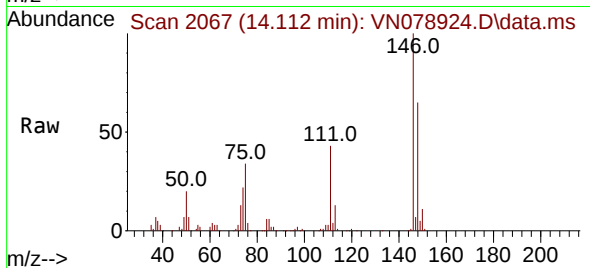
148 63.9 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 52.581 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

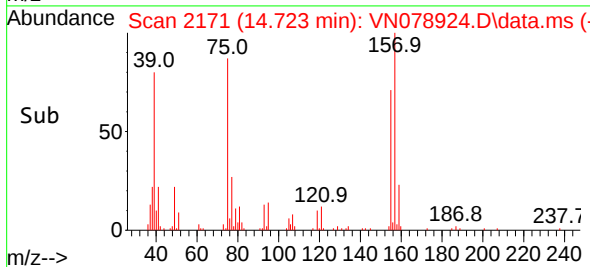
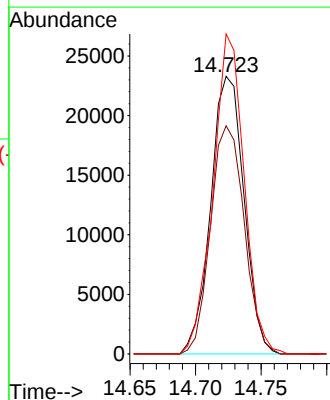
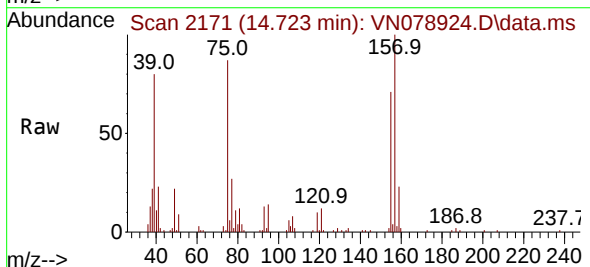
Tgt Ion: 75 Resp: 41197

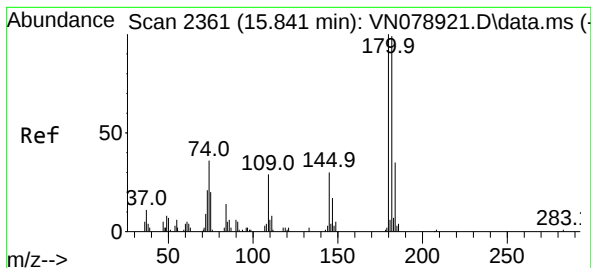
Ion Ratio Lower Upper

75 100

155 83.1 61.1 91.7

157 107.3 79.8 119.6





#89

1,2,4-Trichlorobenzene

Concen: 53.880 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:180 Resp: 104290

Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

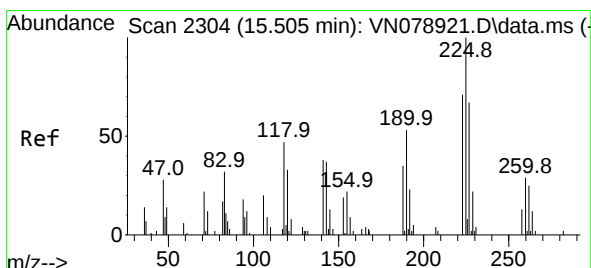
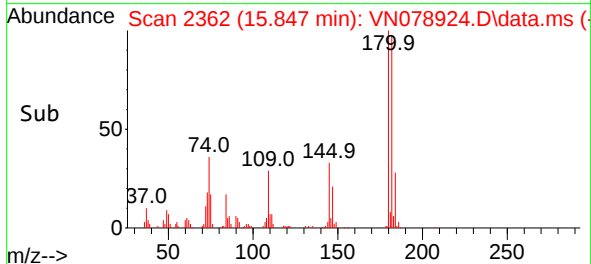
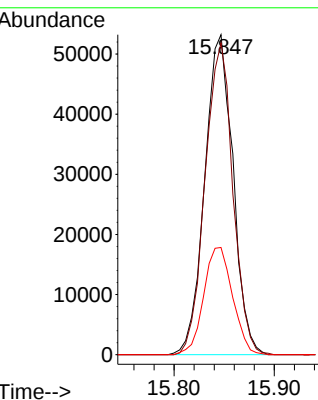
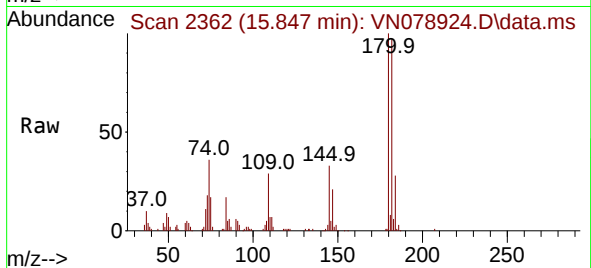
145 34.2 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2023

Supervised By :Semsettin Yesilyurt 08/18/2023



#90

Hexachlorobutadiene

Concen: 48.876 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.000 min

Lab File: VN078924.D

Acq: 17 Aug 2023 14:15

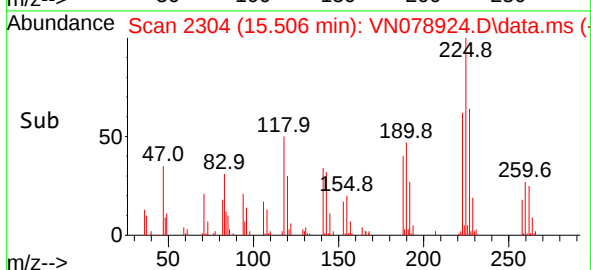
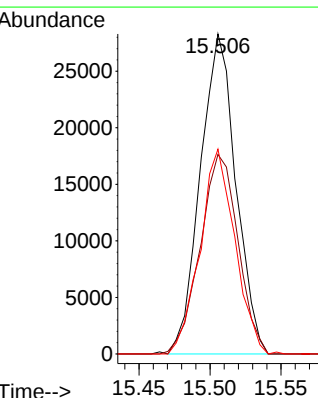
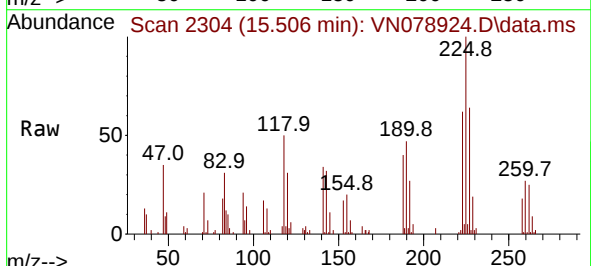
Tgt Ion:225 Resp: 49245

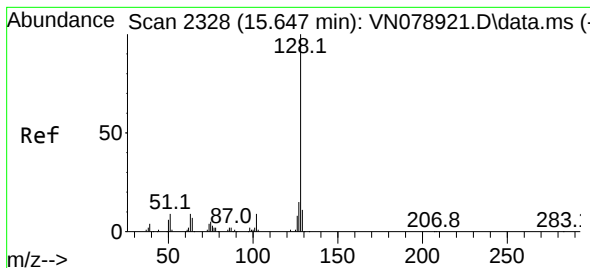
Ion Ratio Lower Upper

225 100

223 66.5 0.0 124.0

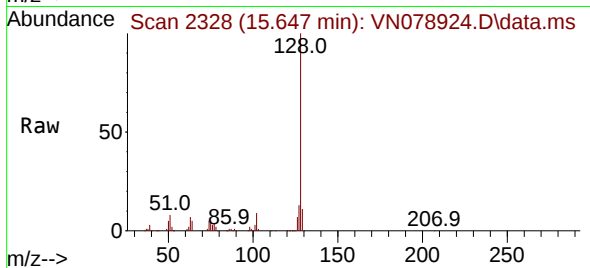
227 62.7 0.0 117.4





#91
Naphthalene
Concen: 57.940 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15

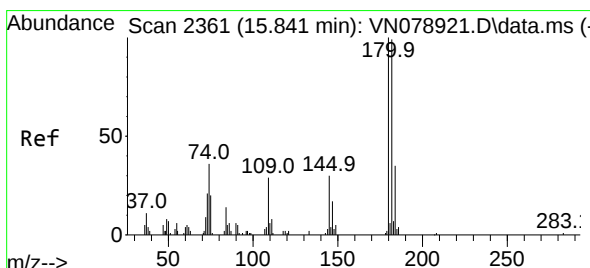
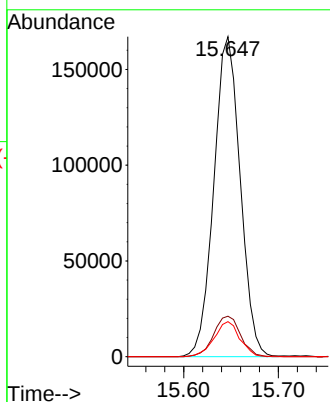
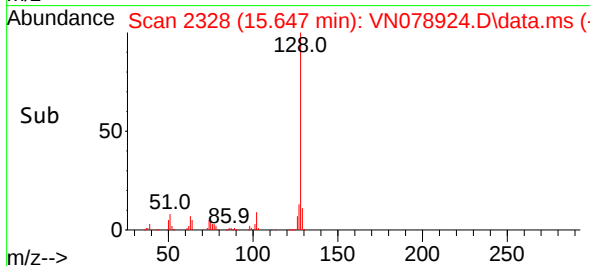
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



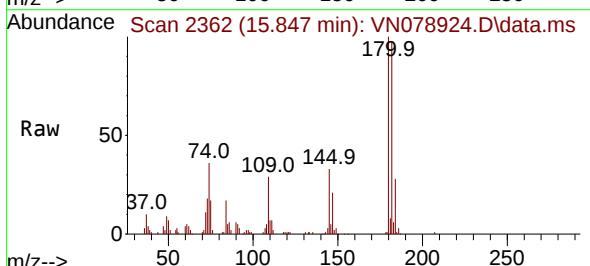
Tgt Ion:128 Resp: 32340
Ion Ratio Lower Upper
128 100
127 12.9 11.1 16.7
129 10.7 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2023
Supervised By :Semsettin Yesilyurt 08/18/2023



#92
1,2,3-Trichlorobenzene
Concen: 53.893 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN078924.D
Acq: 17 Aug 2023 14:15



Tgt Ion:180 Resp: 104296
Ion Ratio Lower Upper
180 100
182 95.6 0.0 190.2
145 34.2 0.0 66.2

