

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079210.D
 Acq On : 11 Sep 2023 11:08
 Operator : JC\MD
 Sample : VN0911WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 02:44:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	23664	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	130065	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	117349	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	54778	30.810	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.700%			
60) 4-Bromofluorobenzene	12.853	95	51283	29.659	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%			
63) Toluene-d8	10.571	98	164569	30.008	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.033%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	22021	16.685	ug/l	98
3) Chloromethane	2.365	50	25430	19.216	ug/l	94
4) Vinyl Chloride	2.518	62	30623	23.388	ug/l	92
5) Bromomethane	2.953	94	14810	18.430	ug/l	96
6) Chloroethane	3.124	64	20939m	26.113	ug/l	
7) Trichlorofluoromethane	3.500	101	46564	29.872	ug/l	93
8) Diethyl Ether	3.965	74	16628	29.093	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	26091	30.373	ug/l	99
10) 1,1-Dichloroethene	4.342	96	24564	29.512	ug/l	99
11) Methyl Iodide	4.594	142	19122	18.238	ug/l	95
12) Methyl Acetate	5.030	43	50843	26.212	ug/l	99
13) Acrolein	4.183	56	16614	94.044	ug/l	97
14) Acrylonitrile	5.724	53	70065	123.121	ug/l	99
15) Acetone	4.436	58	20543	138.382	ug/l	100
16) Carbon Disulfide	4.718	76	65928	26.806	ug/l	97
17) Allyl chloride	5.030	41	37288	27.880	ug/l	93
18) Methylene Chloride	5.277	84	30398	27.229	ug/l	93
19) trans-1,2-Dichloroethene	5.794	96	27724	26.622	ug/l	96
20) Diisopropyl ether	6.677	45	87561	21.930	ug/l	92
21) 1,1-Dichloroethane	6.571	63	53297	22.785	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	33064	20.302	ug/l	99
23) tert-Butyl Alcohol	5.530	59	24340	111.183	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	84384	25.688	ug/l #	85
25) Chloroform	7.971	83	55972	19.844	ug/l	97
26) Cyclohexane	8.265	56	38121	17.972	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	39613	18.996	ug/l	97
30) 2-Butanone	7.488	43	93044	88.707	ug/l	98
31) 2,2-Dichloropropane	7.494	77	45242	21.750	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	49418	20.115	ug/l	98
33) Carbon Tetrachloride	8.365	117	42390	20.086	ug/l	92
34) Benzene	8.612	78	122492	18.488	ug/l	99
35) Methacrylonitrile	7.788	41	20277	17.954	ug/l	95
36) 1,2-Dichloroethane	8.677	62	41195	18.853	ug/l	98
37) Trichloroethene	9.359	130	29436	18.796	ug/l	95
38) Methylcyclohexane	9.606	83	37503	17.989	ug/l	98
39) 1,2-Dichloropropane	9.624	63	31648	18.518	ug/l	96
40) Dibromomethane	9.718	93	21534	19.106	ug/l	98
41) Bromodichloromethane	9.894	83	45192	20.115	ug/l	90
42) Vinyl Acetate	6.612	43	254710	102.253	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	34875	17.507	ug/l	99
44) Isopropyl Acetate	8.694	43	63882	17.827	ug/l	97
45) 1,4-Dioxane	9.700	88	11491	322.151	ug/l	95
46) Methyl methacrylate	9.688	41	28708	17.931	ug/l	94
47) n-amyl Acetate	12.500	43	44764	17.762	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	44873	18.461	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	49512	19.528	ug/l	94
50) 1,1,2-Trichloroethane	11.023	97	30976	19.591	ug/l	91
51) Ethyl methacrylate	10.876	69	41636	17.051	ug/l	94
52) 1,3-Dichloropropane	11.165	76	52192	19.335	ug/l	98
53) Dibromochloromethane	11.365	129	33269	20.062	ug/l	99
54) 1,2-Dibromoethane	11.470	107	30499	18.996	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	82649	95.256	ug/l	99
56) Bromoform	12.582	173	22630	19.584	ug/l	95
58) 4-Methyl-2-Pentanone	10.447	43	187532	87.086	ug/l	99
59) 2-Hexanone	11.200	43	132563	87.655	ug/l	99
61) Tetrachloroethene	11.112	164	26344	20.631	ug/l	93
62) Toluene	10.635	91	131860	19.299	ug/l	98
64) Chlorobenzene	11.894	112	77694	19.492	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	31029	20.333	ug/l	99
66) Ethyl Benzene	11.970	91	135940	19.760	ug/l	99
67) m/p-Xylenes	12.076	106	103950	40.157	ug/l	99
68) o-Xylene	12.406	106	50360	20.173	ug/l	97
69) Styrene	12.417	104	81656	20.507	ug/l	98
70) Isopropylbenzene	12.700	105	127027	20.018	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	43660	18.393	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	35414m	17.731	ug/l	
73) Bromobenzene	12.988	156	31446	19.838	ug/l	92
74) n-propylbenzene	13.041	91	145704	20.153	ug/l	99
75) 2-Chlorotoluene	13.129	91	91185	19.669	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	105026	20.017	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	12115	17.228	ug/l	94
78) 4-Chlorotoluene	13.229	91	86651	19.795	ug/l	99
79) tert-butylbenzene	13.441	119	88161	20.471	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	103017	20.559	ug/l	99
81) sec-Butylbenzene	13.623	105	120014	20.367	ug/l	98
82) p-Isopropyltoluene	13.735	119	98884	21.245	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	53279	21.165	ug/l	100
84) 1,4-Dichlorobenzene	13.817	146	48230	20.429	ug/l	98
85) n-Butylbenzene	14.064	91	72549	20.465	ug/l	100
86) Hexachloroethane	14.341	117	19087	20.712	ug/l	99
87) 1,2-Dichlorobenzene	14.111	146	52354	21.074	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	6848	17.067	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	18979	17.853	ug/l	96
90) Hexachlorobutadiene	15.506	225	12813	19.843	ug/l	98
91) Naphthalene	15.647	128	43974	15.830	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	18979	17.853	ug/l	96

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

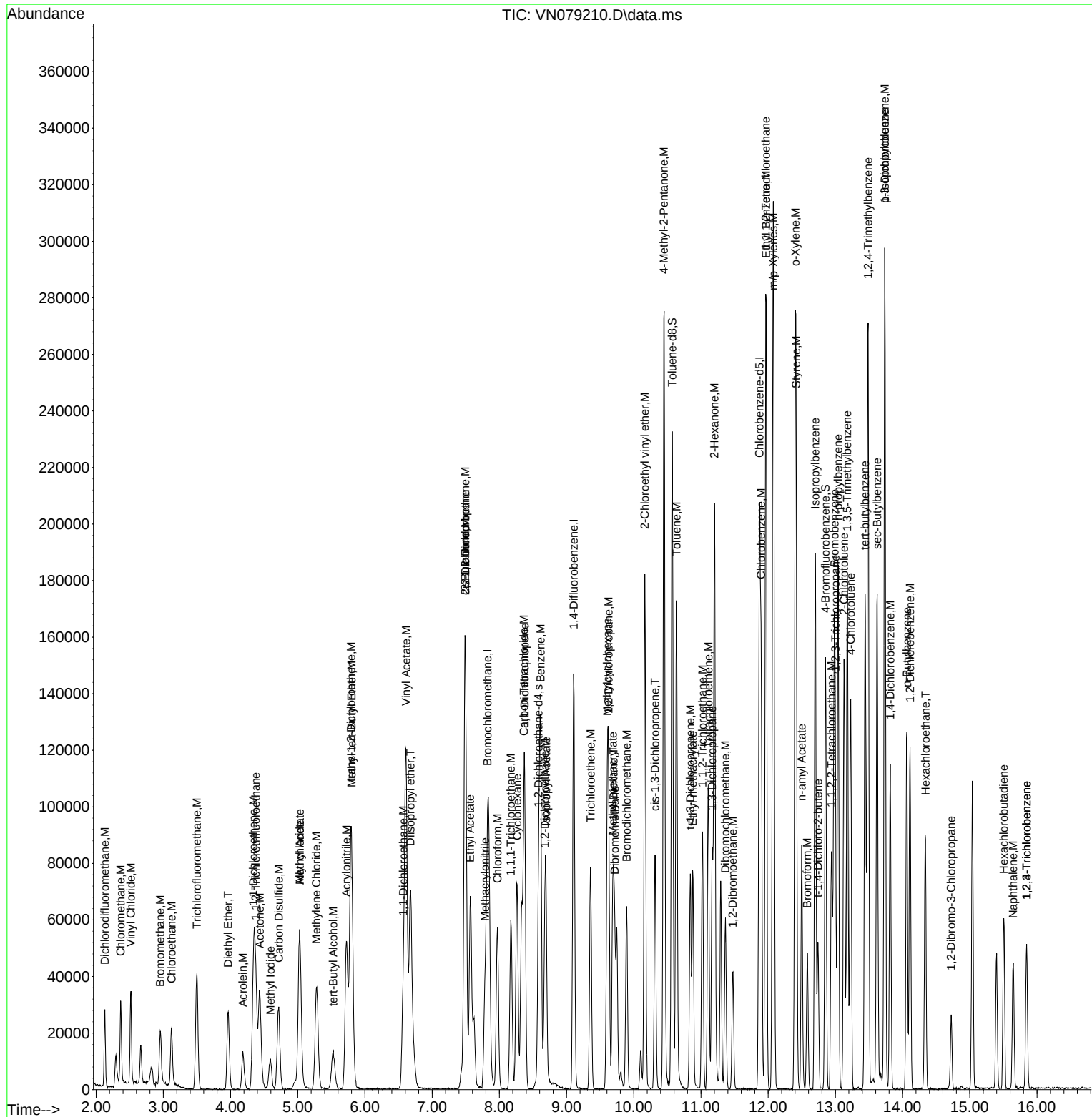
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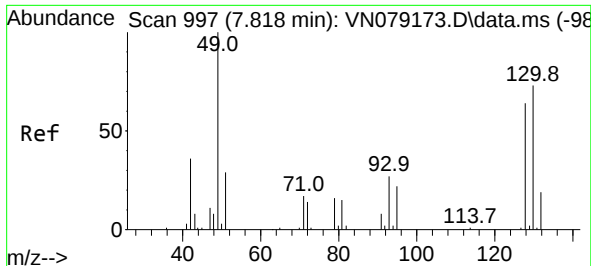
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

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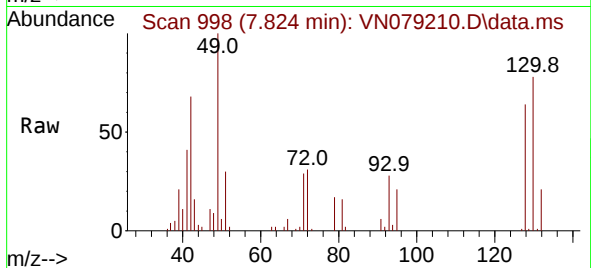
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 Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

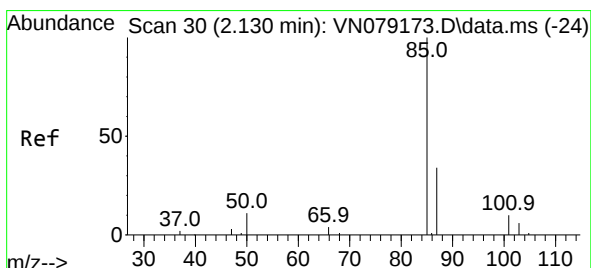
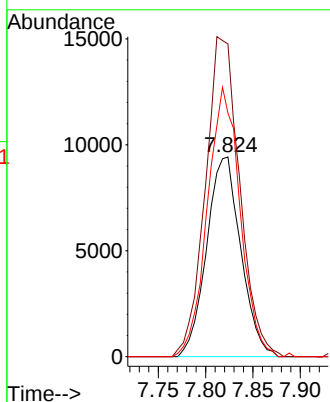
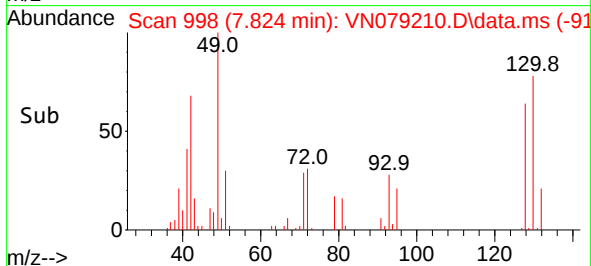
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



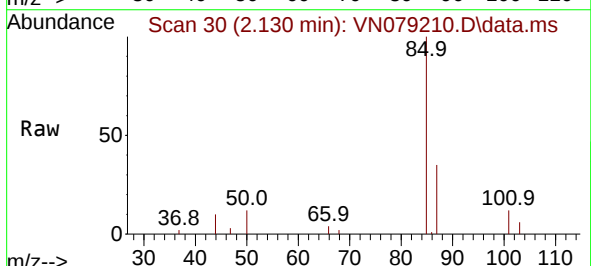
Tgt Ion:128 Resp: 23664
Ion Ratio Lower Upper
128 100
49 161.1 0.0 414.3
130 129.0 0.0 311.0

Manual Integrations
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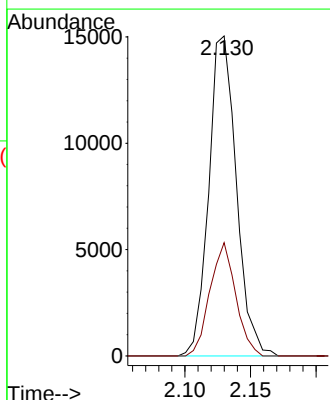
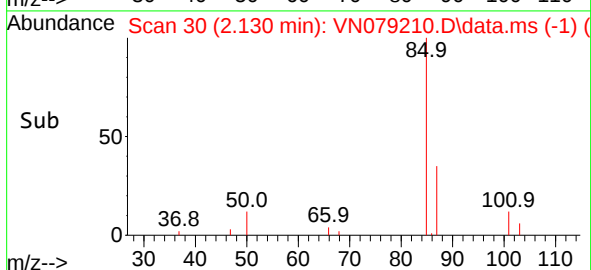
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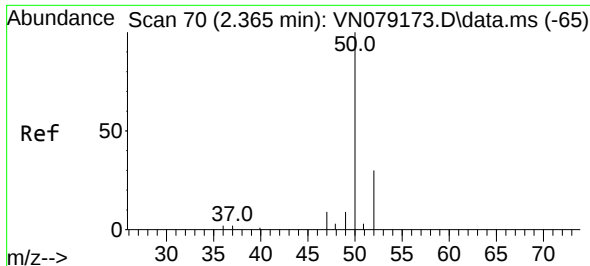


#2
Dichlorodifluoromethane
Concen: 16.685 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



Tgt Ion: 85 Resp: 22021
Ion Ratio Lower Upper
85 100
87 35.4 17.3 51.7





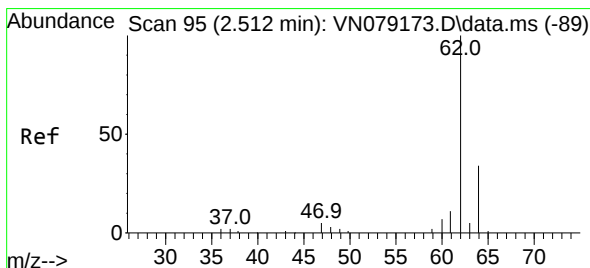
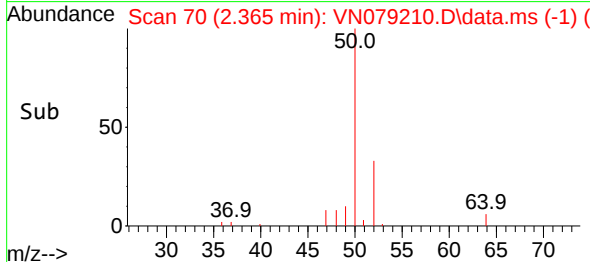
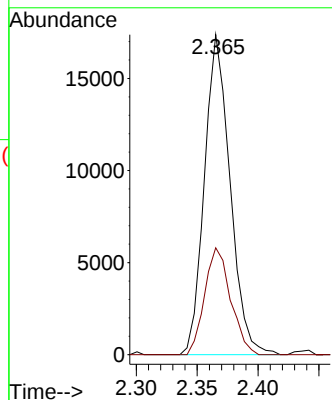
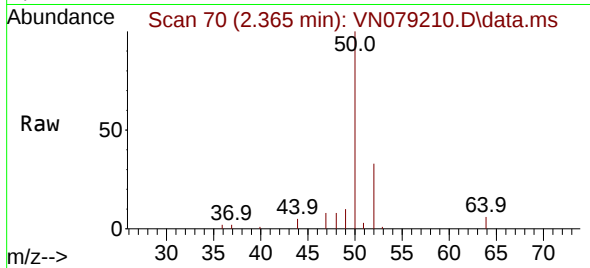
#3
Chloromethane
Concen: 19.216 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
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VN0911WBSD01

Tgt Ion: 50 Resp: 25430
Ion Ratio Lower Upper
50 100
52 33.4 24.0 36.0

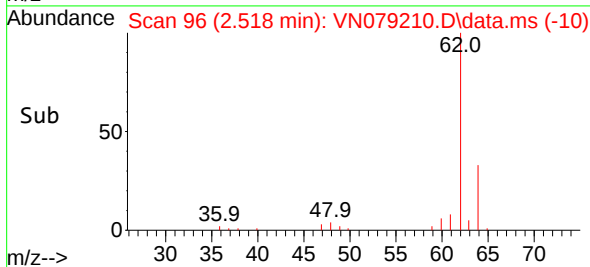
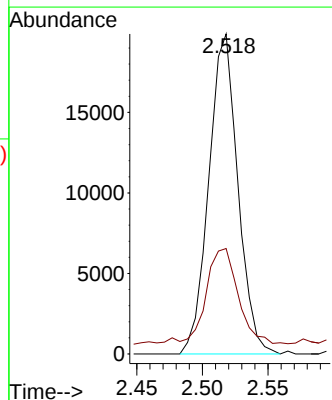
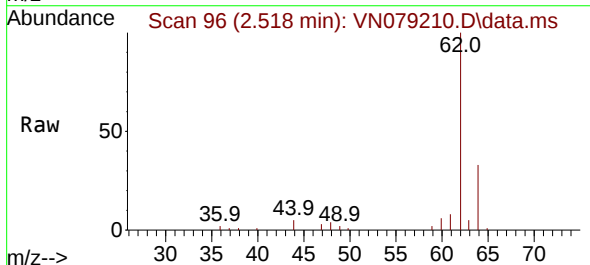
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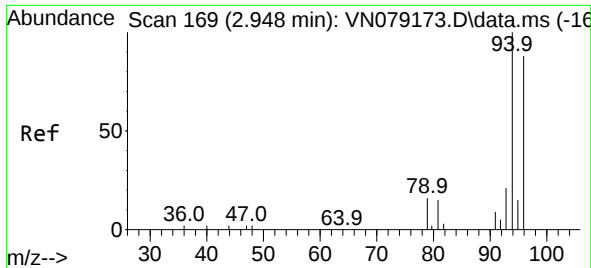
Reviewed By :John Carlone 09/12/2023
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#4
Vinyl Chloride
Concen: 23.388 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 62 Resp: 30623
Ion Ratio Lower Upper
62 100
64 29.5 27.1 40.7





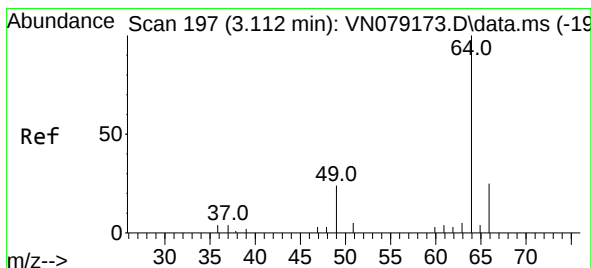
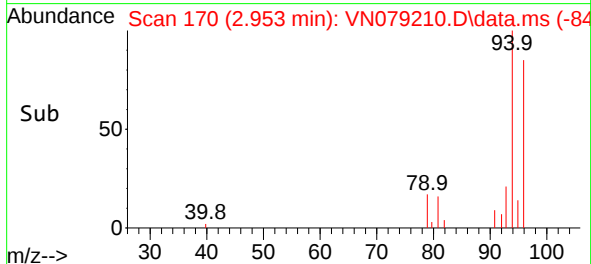
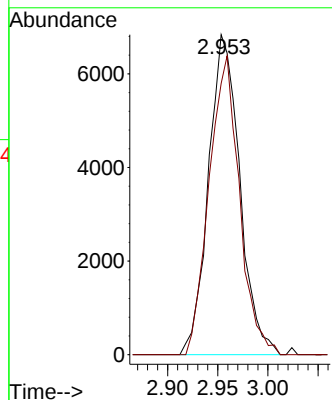
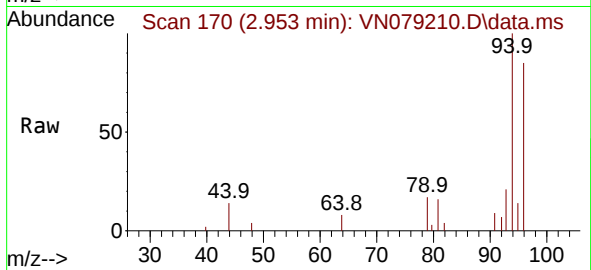
#5
Bromomethane
Concen: 18.430 ug/l
RT: 2.953 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
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Tgt Ion: 94 Resp: 14810
Ion Ratio Lower Upper
94 100
96 84.7 70.6 105.8

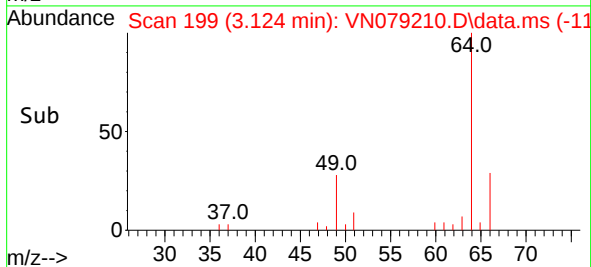
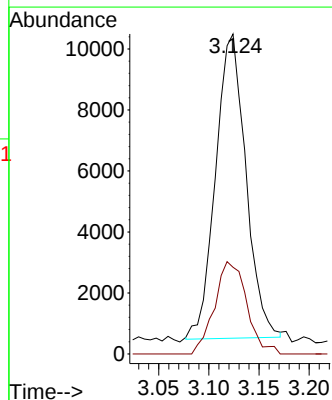
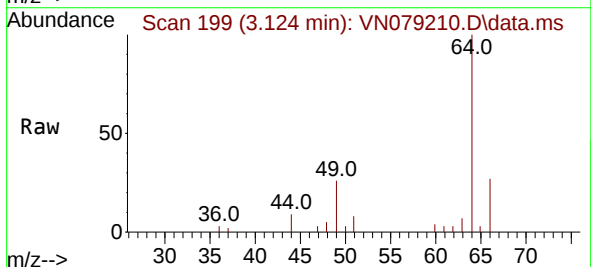
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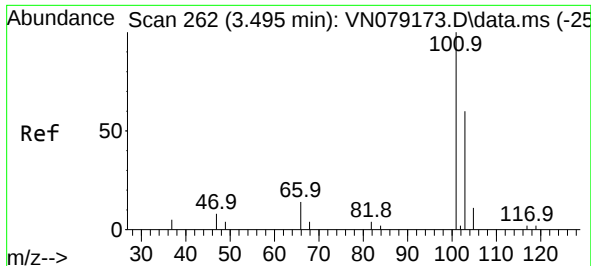
Reviewed By :John Carlone 09/12/2023
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#6
Chloroethane
Concen: 26.113 ug/l m
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 64 Resp: 20939
Ion Ratio Lower Upper
64 100
66 27.1 20.1 30.1





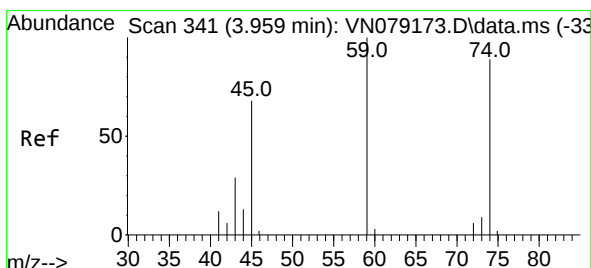
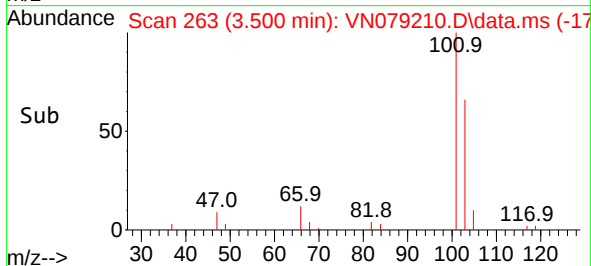
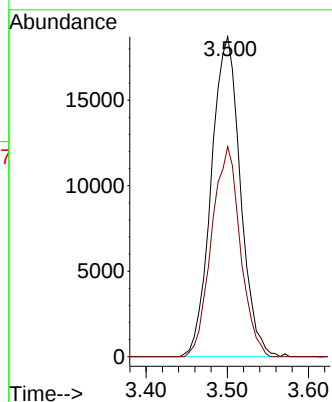
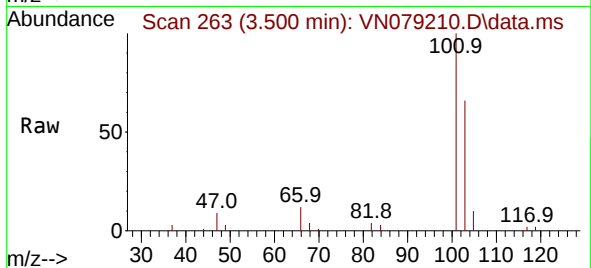
#7
 Trichlorofluoromethane
 Concen: 29.872 ug/l
 RT: 3.500 min Scan# 20
 Delta R.T. 0.005 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

Instrument :
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Tgt Ion:101 Resp: 4656
 Ion Ratio Lower Upper
 101 100
 103 65.7 48.2 72.4

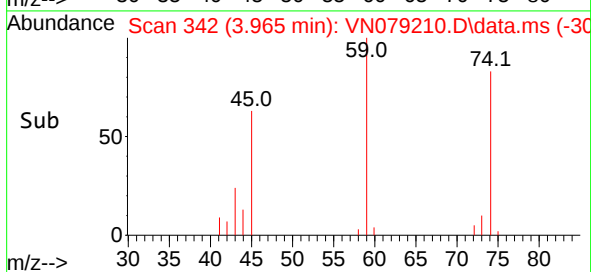
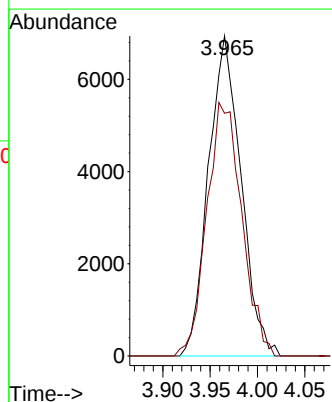
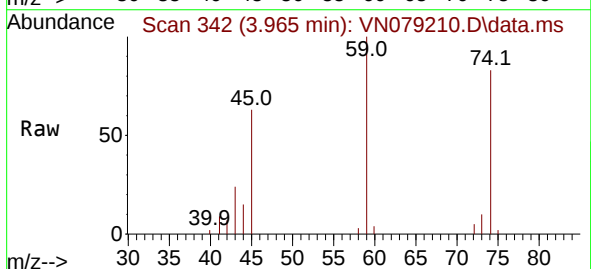
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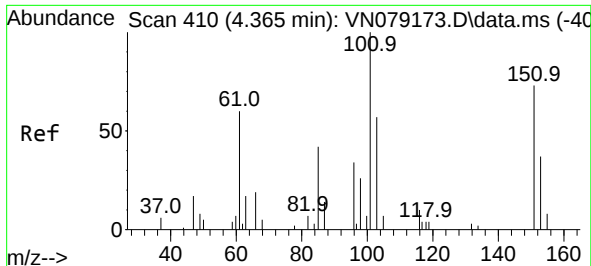
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#8
 Diethyl Ether
 Concen: 29.093 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

Tgt Ion: 74 Resp: 16628
 Ion Ratio Lower Upper
 74 100
 45 84.8 17.6 158.0





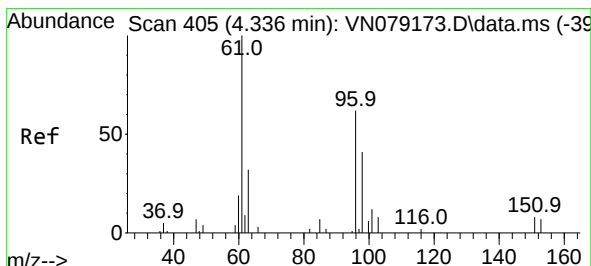
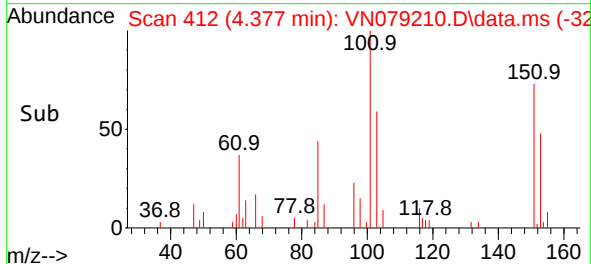
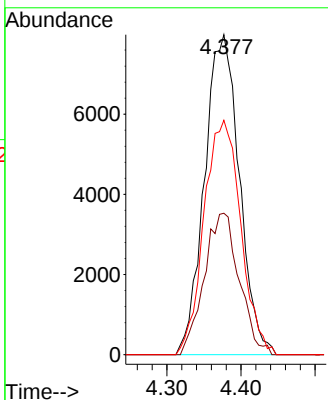
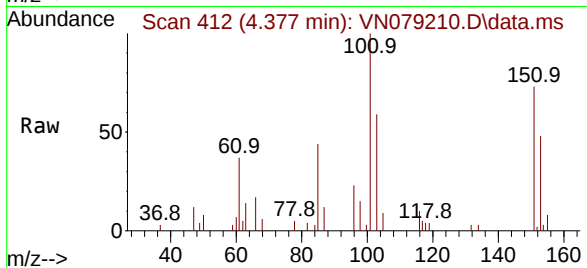
#9
1,1,2-Trichlorotrifluoroethane
Concen: 30.373 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:101 Resp: 2609
Ion Ratio Lower Upper
101 100
85 44.1 0.0 85.6
151 77.2 0.0 155.8

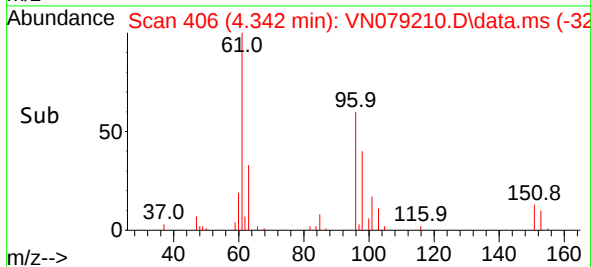
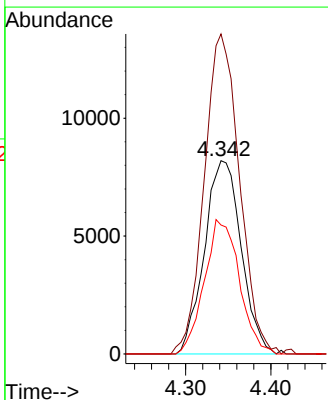
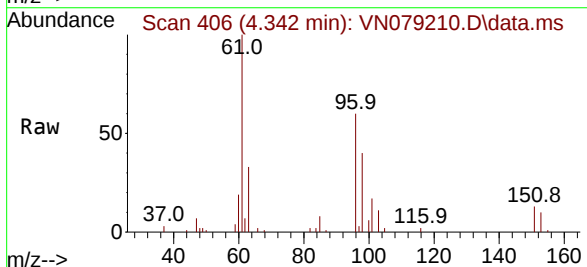
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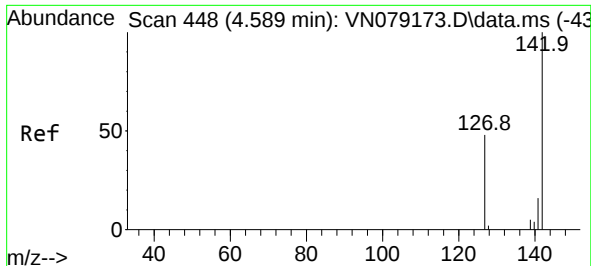
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
1,1-Dichloroethene
Concen: 29.512 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

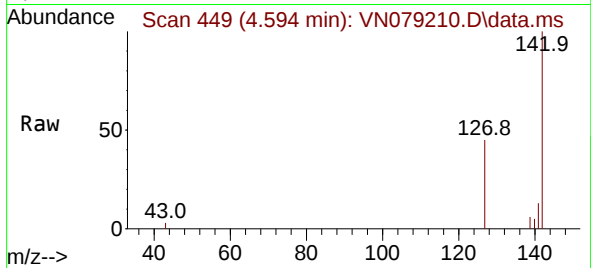
Tgt Ion: 96 Resp: 24564
Ion Ratio Lower Upper
96 100
61 162.2 130.2 195.2
98 66.8 52.3 78.5





#11
Methyl Iodide
Concen: 18.238 ug/l
RT: 4.594 min Scan# 448
Delta R.T. 0.005 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

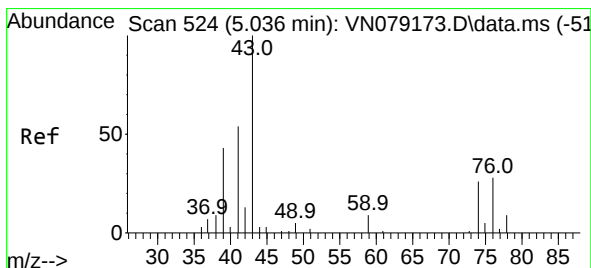
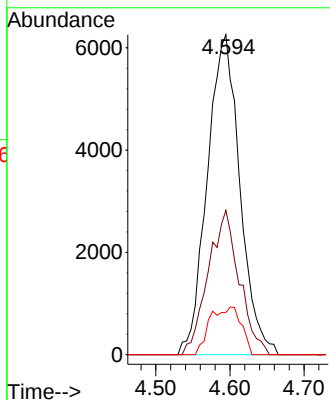
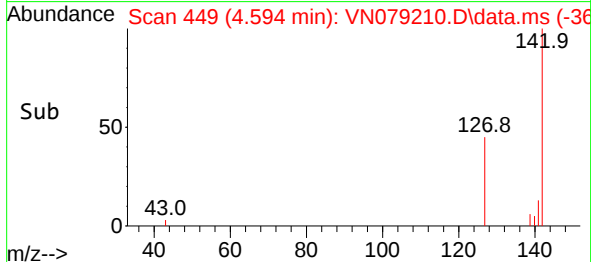
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion:142 Resp: 1912
Ion Ratio Lower Upper
142 100
127 45.1 23.8 71.4
141 13.2 8.2 24.6

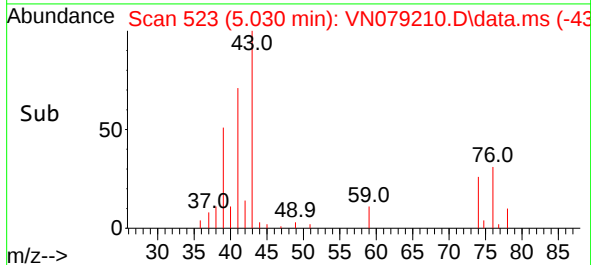
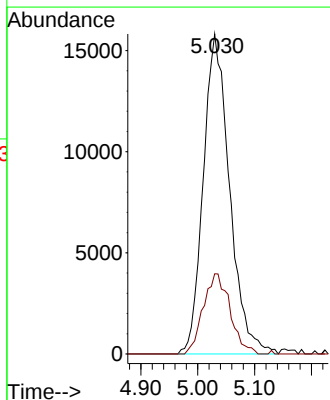
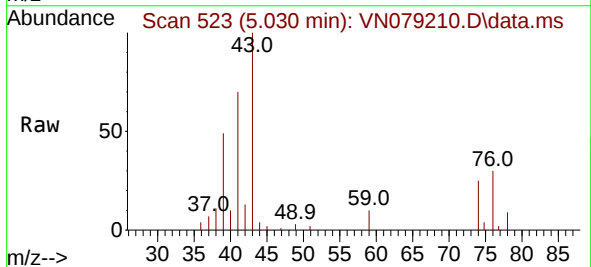
Manual Integrations
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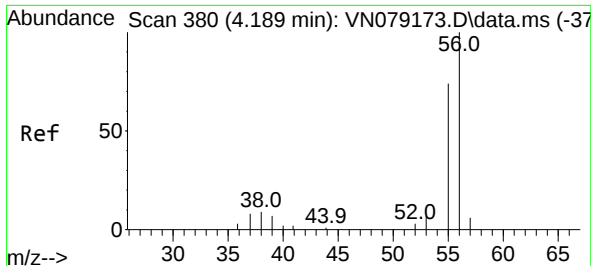
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#12
Methyl Acetate
Concen: 26.212 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 43 Resp: 50843
Ion Ratio Lower Upper
43 100
74 25.0 20.4 30.6





#13

Acrolein

Concen: 94.044 ug/l

RT: 4.183 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 56 Resp: 16614

Ion Ratio Lower Upper

56 100

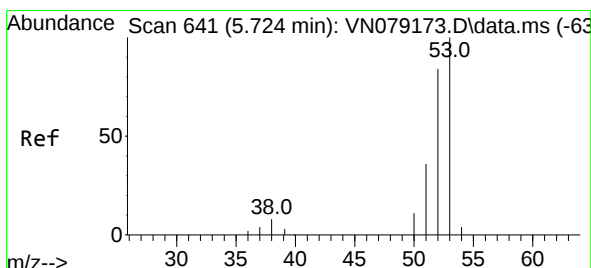
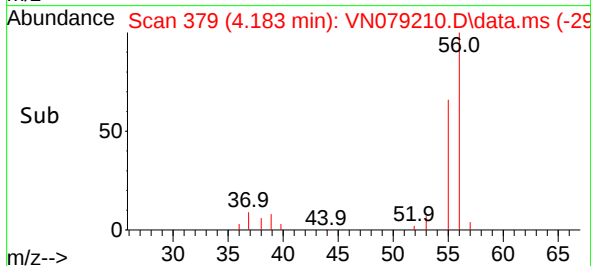
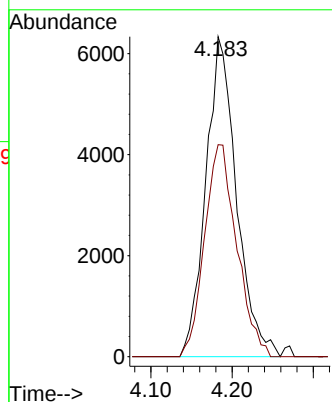
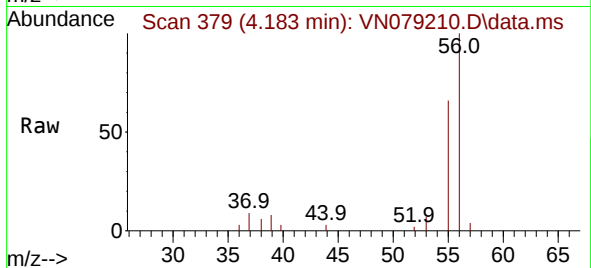
55 69.6 57.7 86.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Acrylonitrile

Concen: 123.121 ug/l

RT: 5.724 min Scan# 641

Delta R.T. -0.000 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

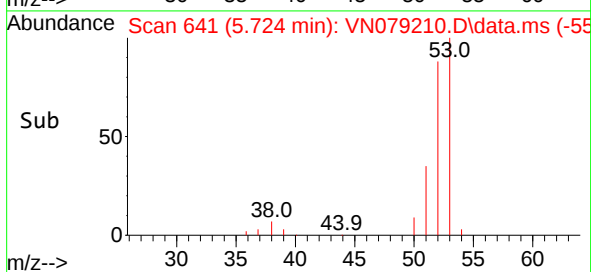
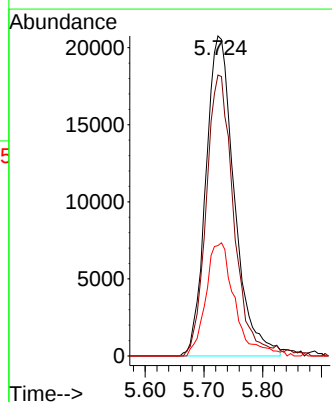
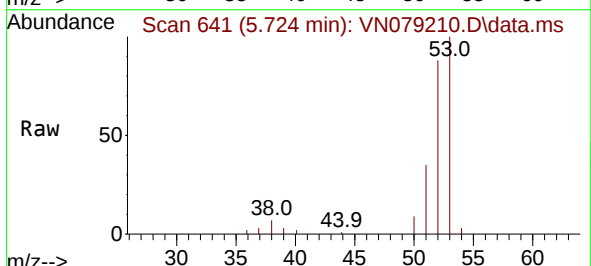
Tgt Ion: 53 Resp: 70065

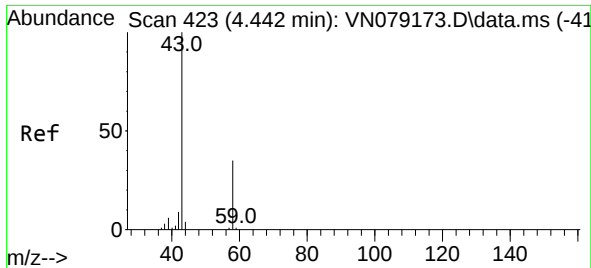
Ion Ratio Lower Upper

53 100

52 83.9 41.4 124.4

51 33.7 17.3 51.9





#15

Acetone

Concen: 138.382 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 58 Resp: 2054

Ion Ratio Lower Upper

58 100

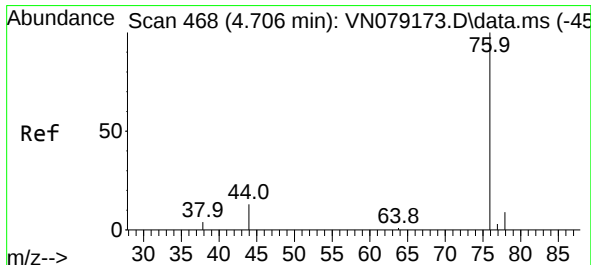
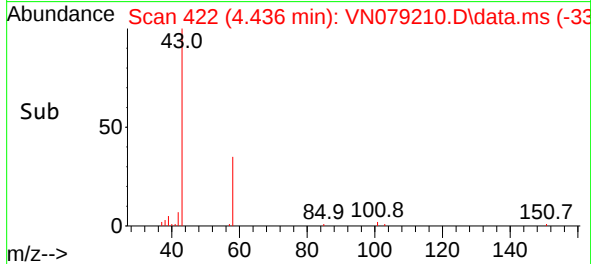
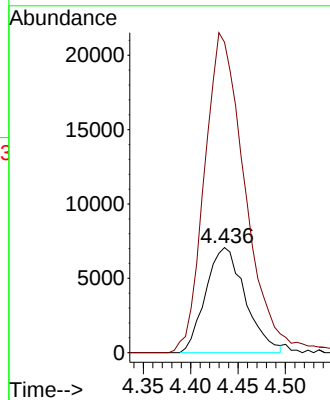
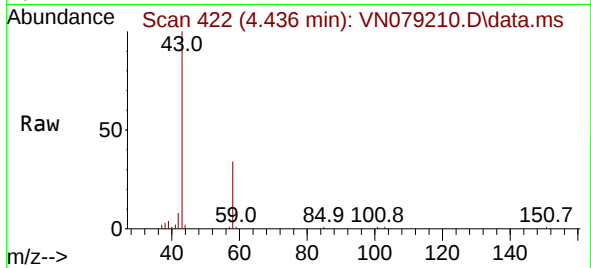
43 284.9 228.3 342.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#16

Carbon Disulfide

Concen: 26.806 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.012 min

Lab File: VN079210.D

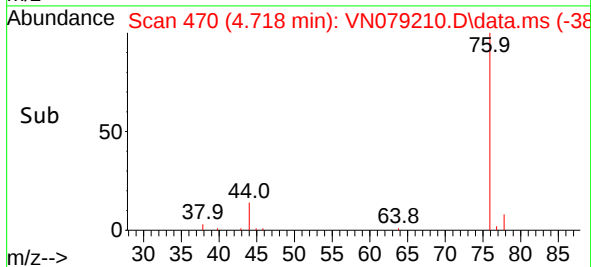
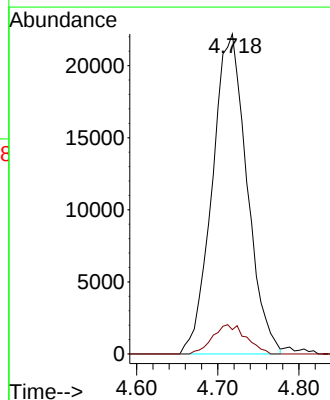
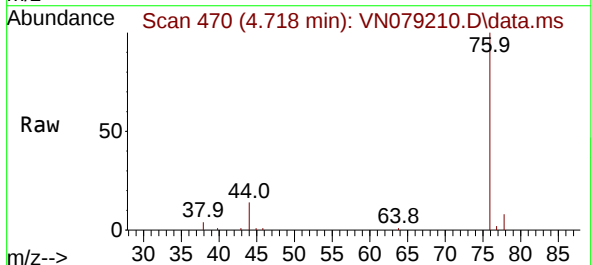
Acq: 11 Sep 2023 11:08

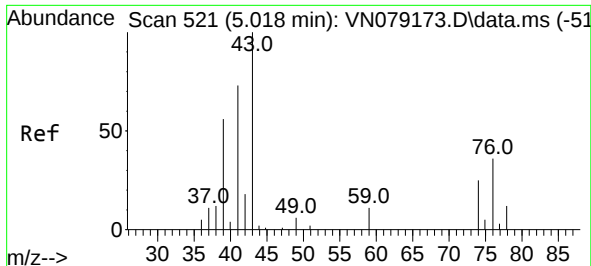
Tgt Ion: 76 Resp: 65928

Ion Ratio Lower Upper

76 100

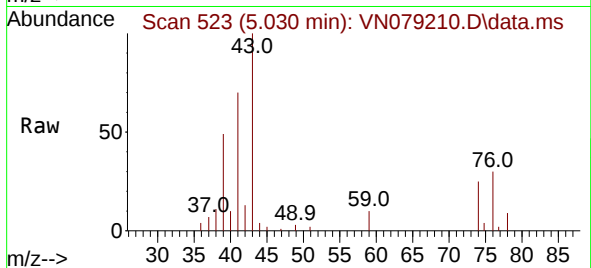
78 7.6 6.9 10.3





#17
 Allyl chloride
 Concen: 27.880 ug/l
 RT: 5.030 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

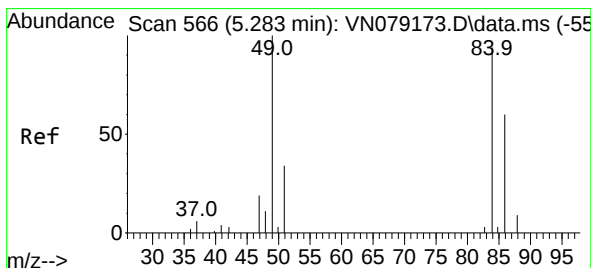
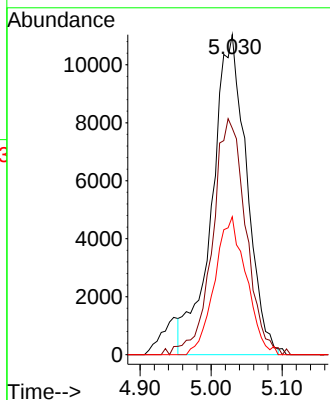
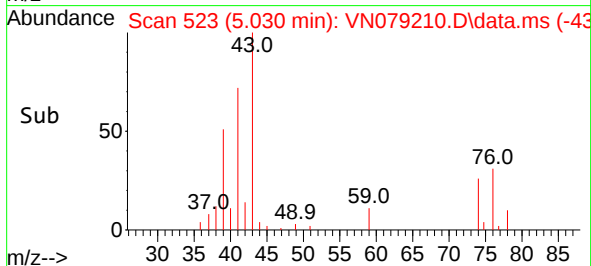
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01



Tgt Ion: 41 Resp: 3728
 Ion Ratio Lower Upper
 41 100
 39 69.8 38.3 114.8
 76 43.9 23.7 71.1

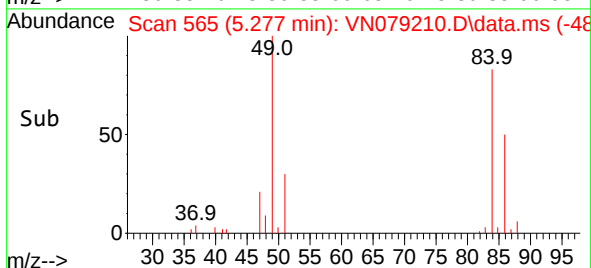
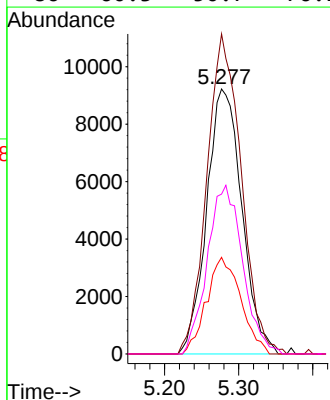
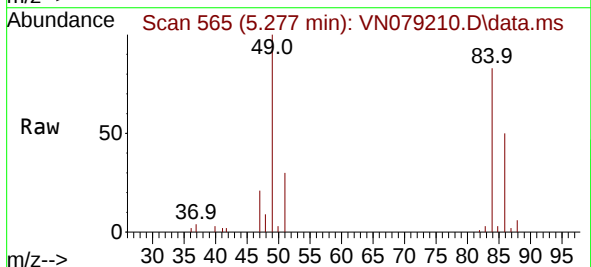
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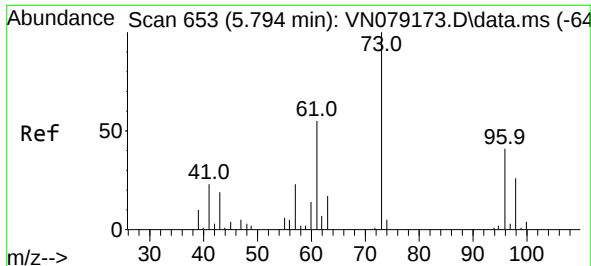
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#18
 Methylene Chloride
 Concen: 27.229 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

Tgt Ion: 84 Resp: 30398
 Ion Ratio Lower Upper
 84 100
 49 120.8 86.9 130.3
 51 36.5 28.6 43.0
 86 60.3 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 26.622 ug/l

RT: 5.794 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 96 Resp: 27724

Ion Ratio Lower Upper

96 100

61 129.2 106.6 159.8

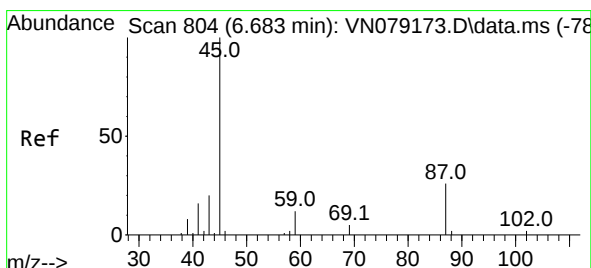
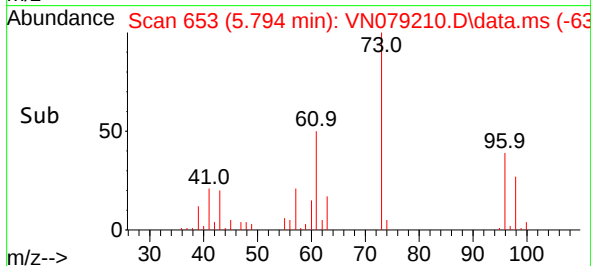
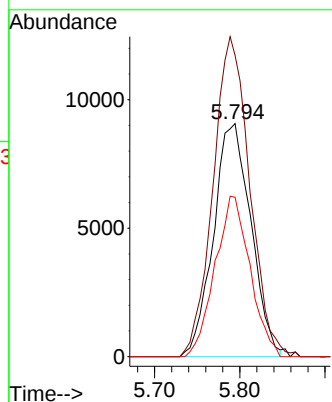
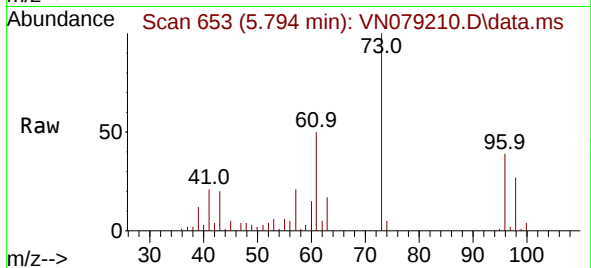
98 68.4 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Diisopropyl ether

Concen: 21.930 ug/l

RT: 6.677 min Scan# 803

Delta R.T. -0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Tgt Ion: 45 Resp: 87561

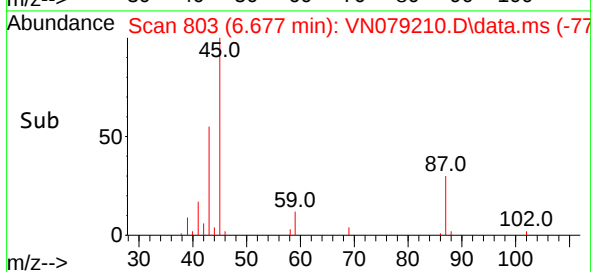
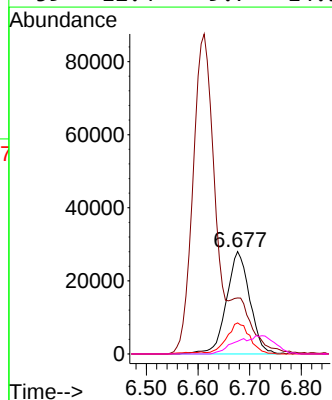
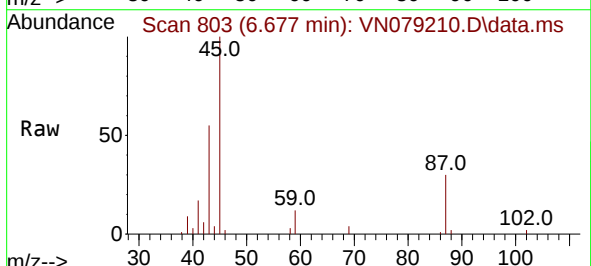
Ion Ratio Lower Upper

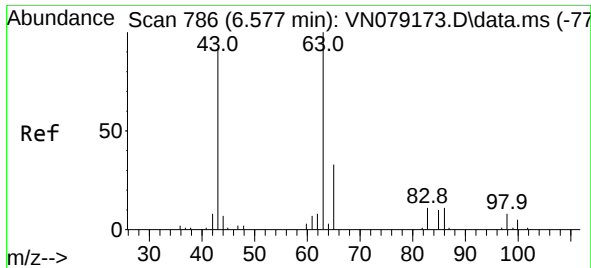
45 100

43 50.7 34.9 52.3

87 30.2 21.5 32.3

59 12.4 9.7 14.5





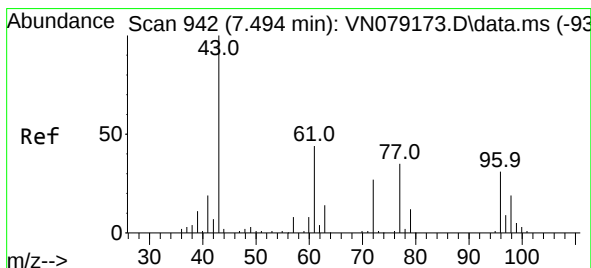
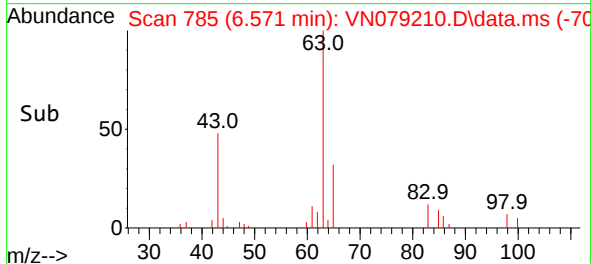
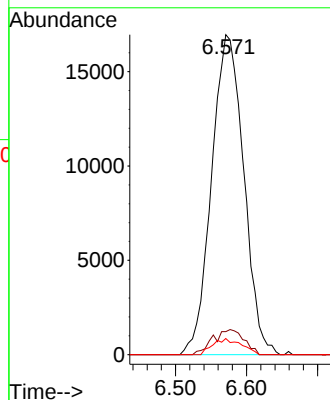
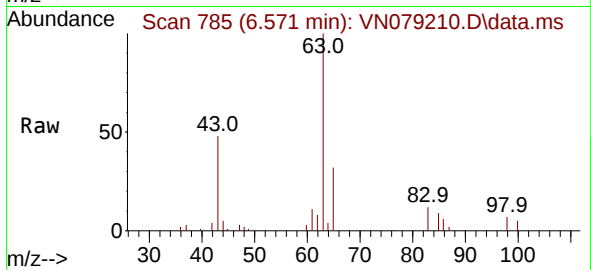
#21
1,1-Dichloroethane
Concen: 22.785 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 63 Resp: 5329
Ion Ratio Lower Upper
63 100
98 7.2 3.9 11.5
100 5.0 2.5 7.5

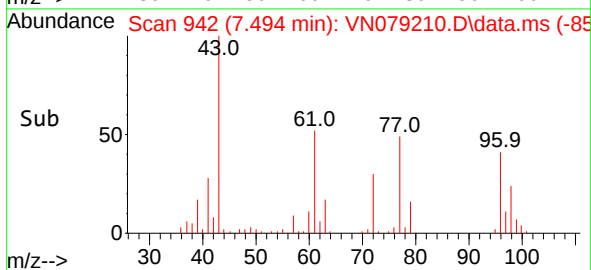
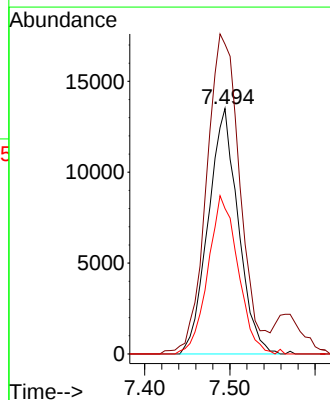
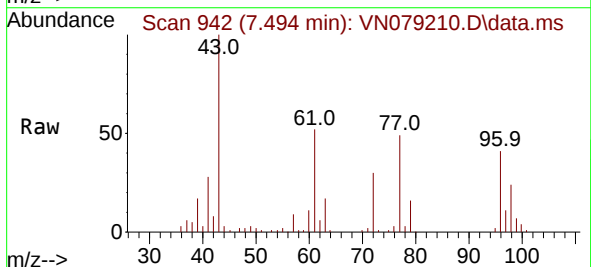
Manual Integrations
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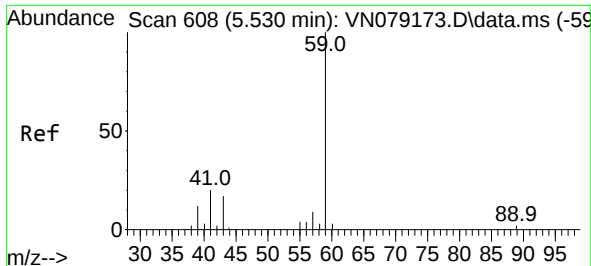
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#22
cis-1,2-Dichloroethene
Concen: 20.302 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 96 Resp: 33064
Ion Ratio Lower Upper
96 100
61 142.4 113.0 169.6
98 64.3 50.2 75.4





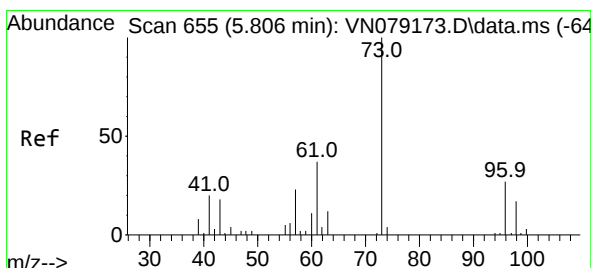
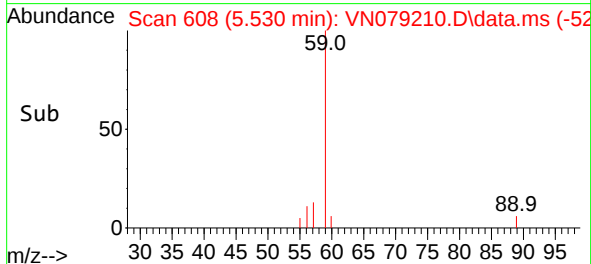
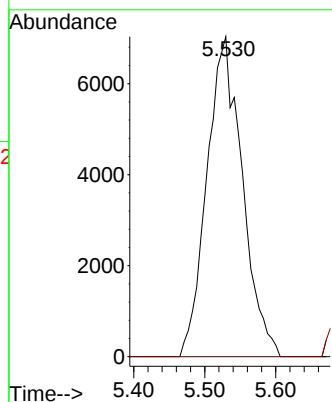
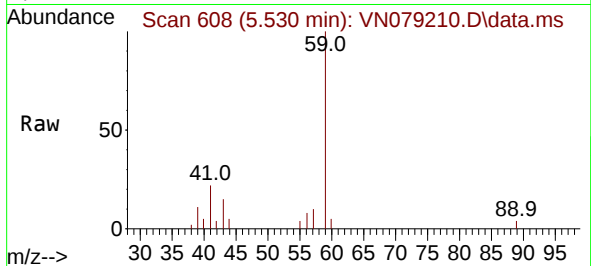
#23
tert-Butyl Alcohol
Concen: 111.183 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 59 Resp: 24340
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

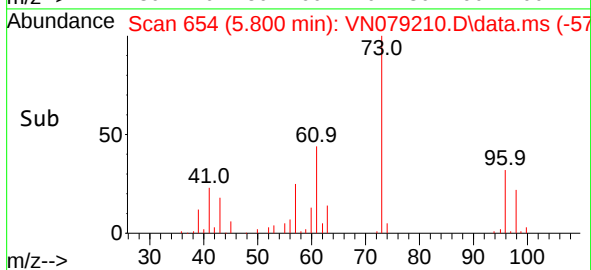
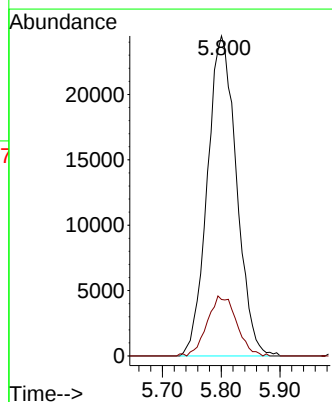
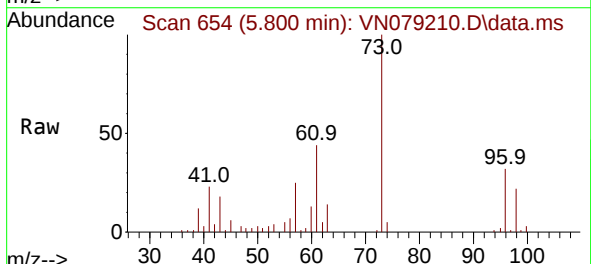
Manual Integrations
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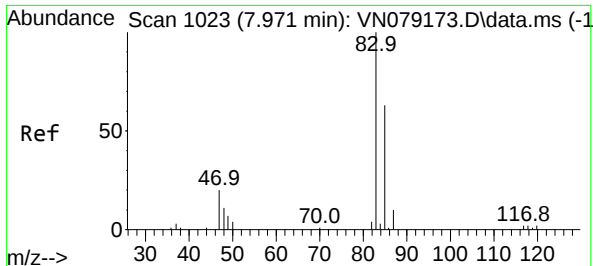
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#24
Methyl tert-Butyl Ether
Concen: 25.688 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 73 Resp: 84384
Ion Ratio Lower Upper
73 100
43 11.6 14.7 22.1#





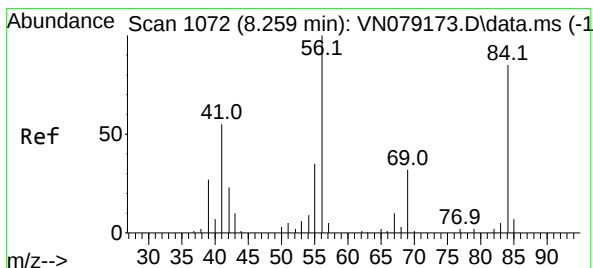
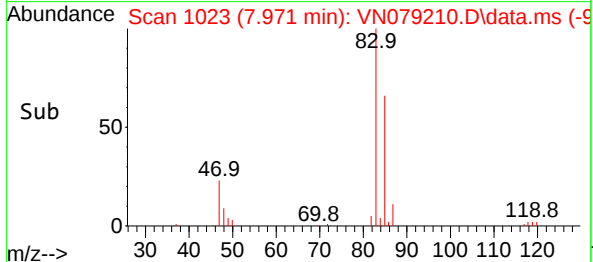
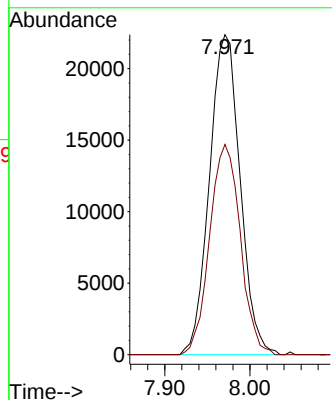
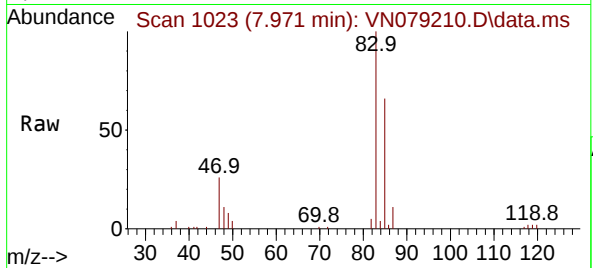
#25
Chloroform
Concen: 19.844 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 83 Resp: 55972
Ion Ratio Lower Upper
83 100
85 65.7 50.6 76.0

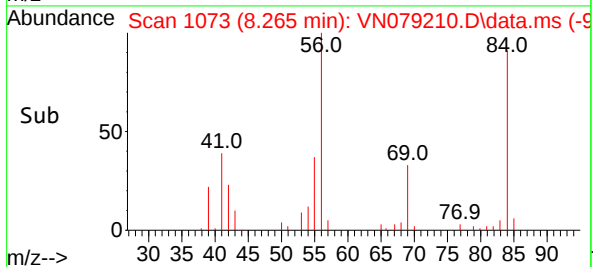
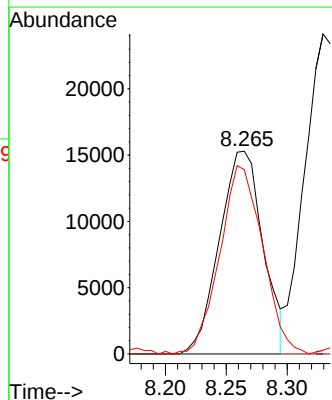
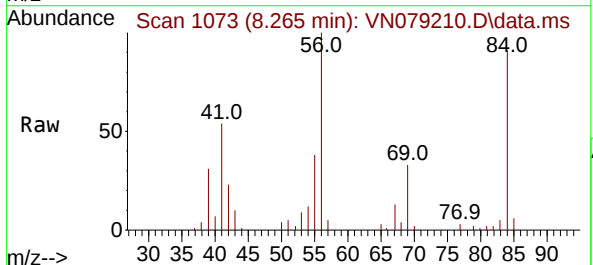
Manual Integrations
APPROVED

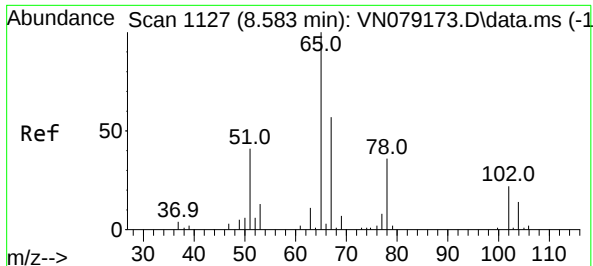
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#26
Cyclohexane
Concen: 17.972 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 56 Resp: 38121
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 91.3 71.1 106.7





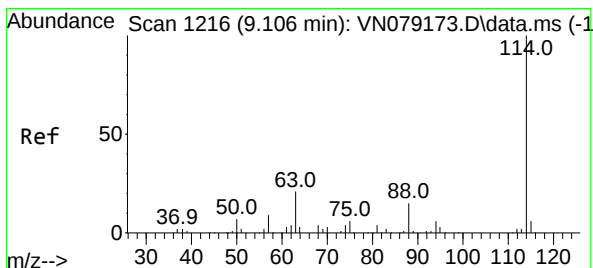
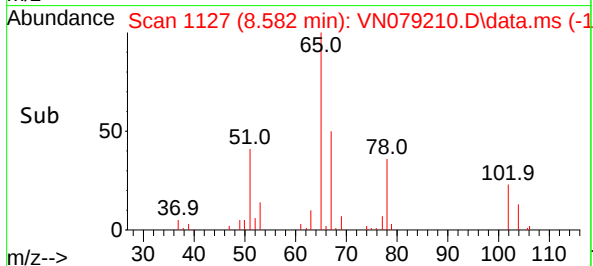
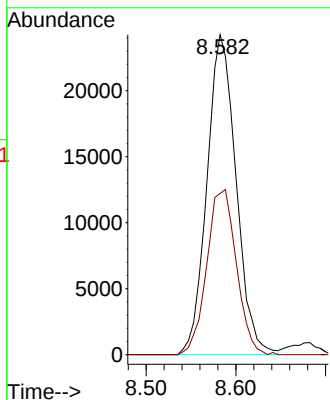
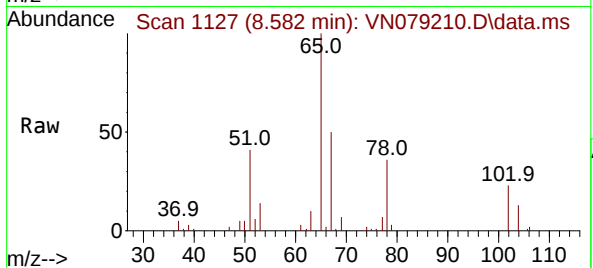
#27
1,2-Dichloroethane-d4
Concen: 30.810 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 65 Resp: 54778
Ion Ratio Lower Upper
65 100
67 52.3 44.4 66.6

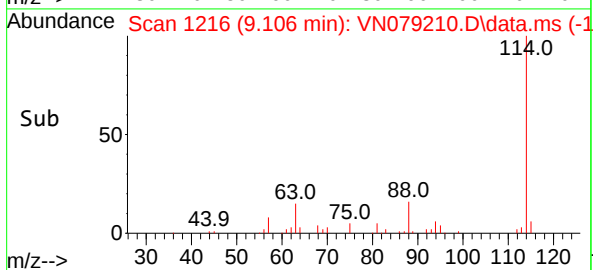
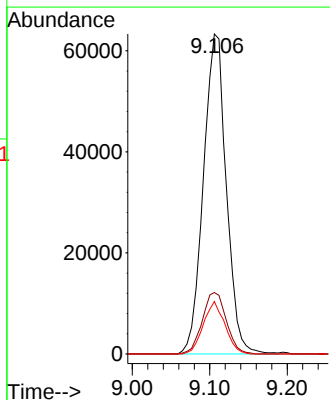
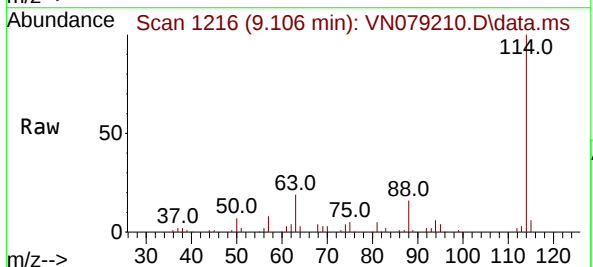
Manual Integrations
APPROVED

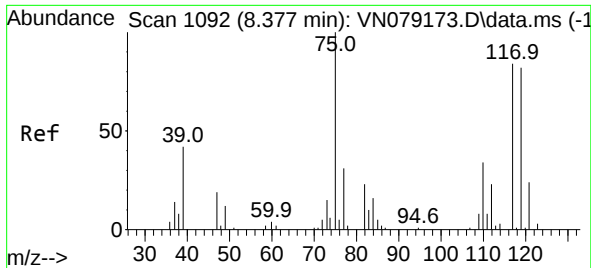
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:114 Resp: 130065
Ion Ratio Lower Upper
114 100
63 20.1 17.0 25.4
88 15.4 12.8 19.2





#29
1,1-Dichloropropene
Concen: 18.996 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

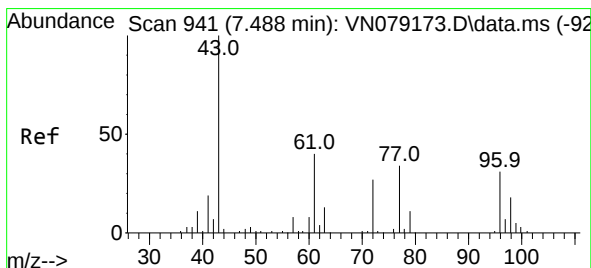
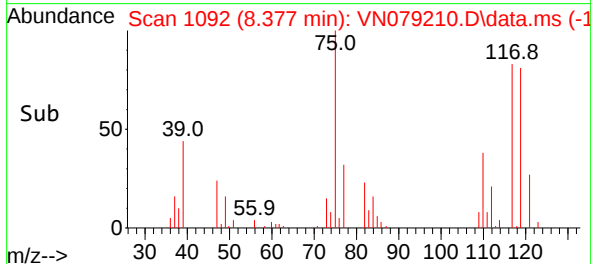
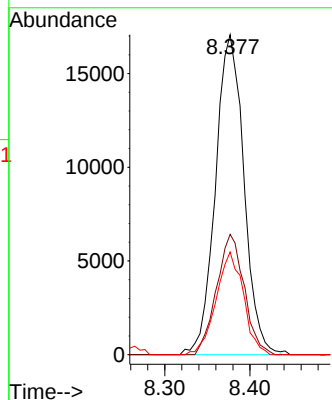
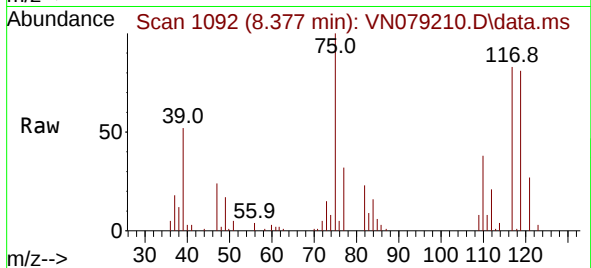
VN0911WBSD01

Tgt Ion: 75 Resp: 3961
Ion Ratio Lower Upper
75 100
110 36.6 0.0 68.4
77 30.9 0.0 63.2

Manual Integrations

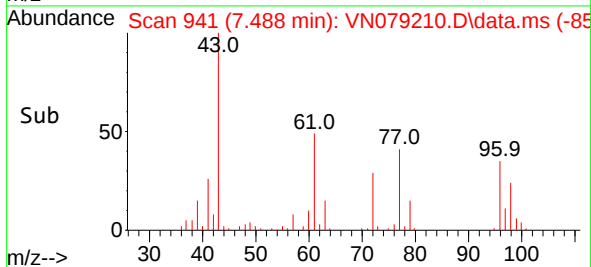
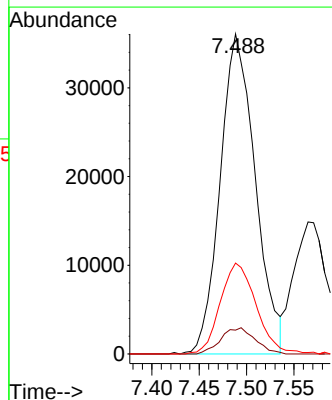
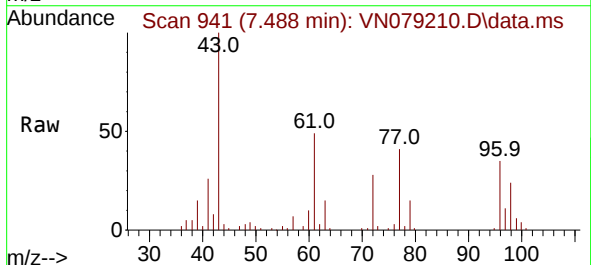
APPROVED

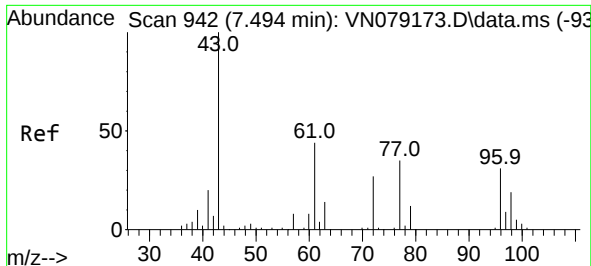
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#30
2-Butanone
Concen: 88.707 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 43 Resp: 93044
Ion Ratio Lower Upper
43 100
57 8.0 6.8 10.2
72 28.9 22.4 33.6





#31

2,2-Dichloropropane

Concen: 21.750 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 77 Resp: 4524

Ion Ratio Lower Upper

77 100

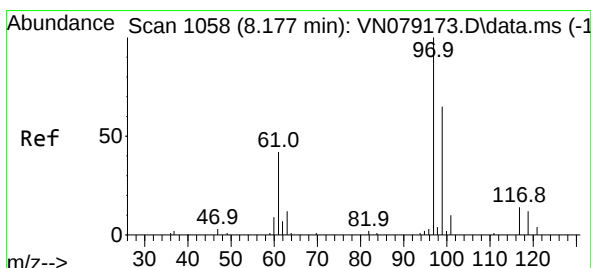
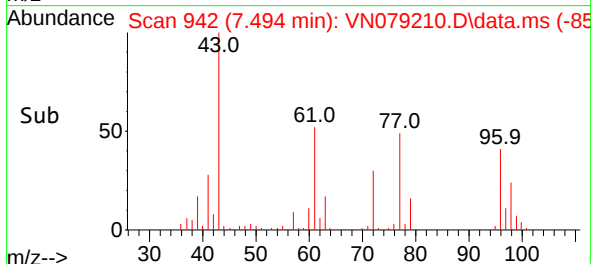
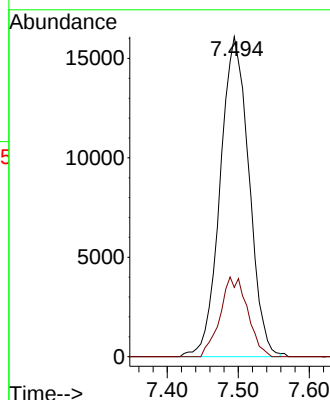
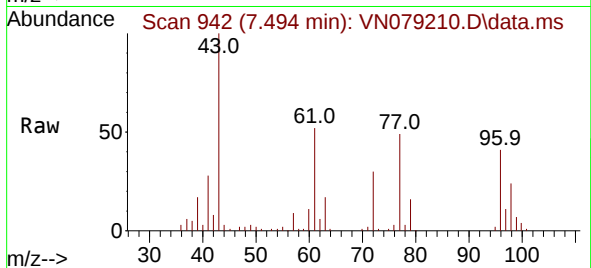
97 23.7 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 20.115 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

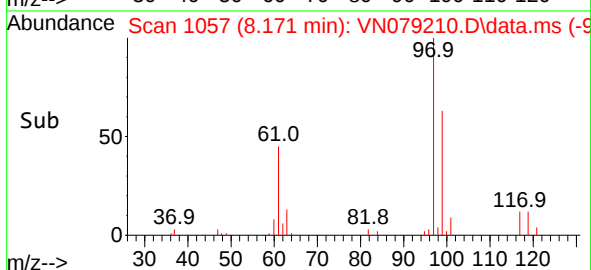
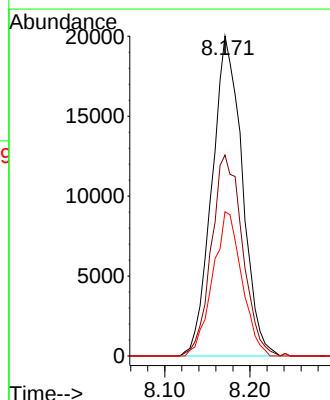
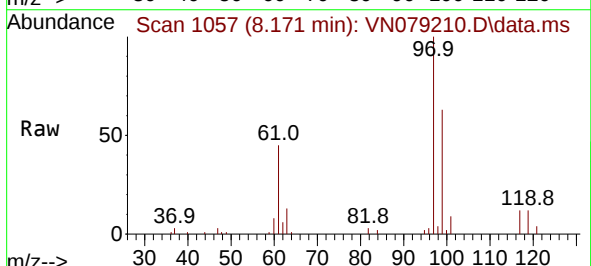
Tgt Ion: 97 Resp: 49418

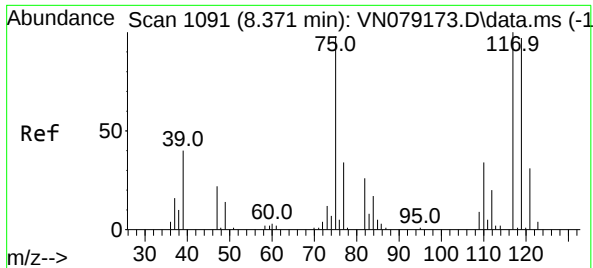
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

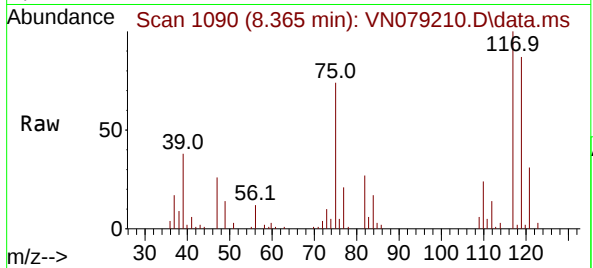
61 43.5 33.4 50.0





#33
Carbon Tetrachloride
Concen: 20.086 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

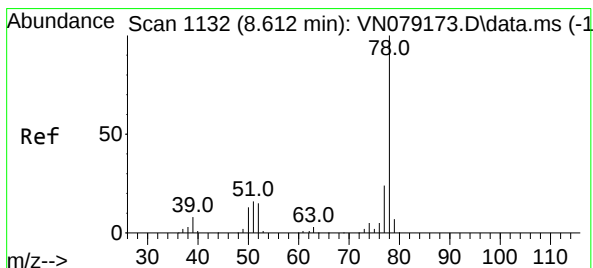
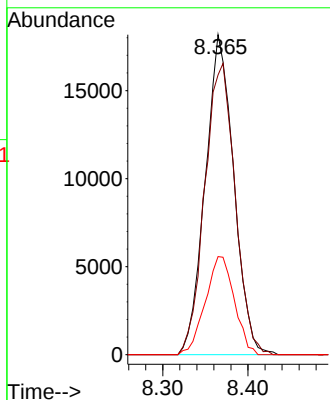
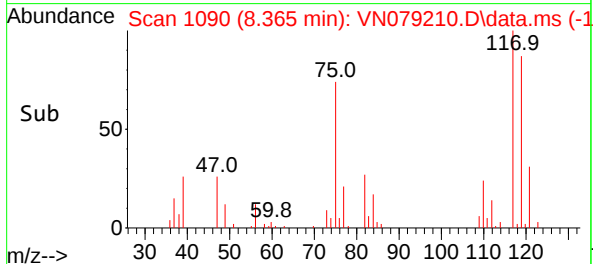
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 117 Resp: 42390
Ion Ratio Lower Upper
117 100
119 87.4 77.9 116.9
121 30.6 25.1 37.7

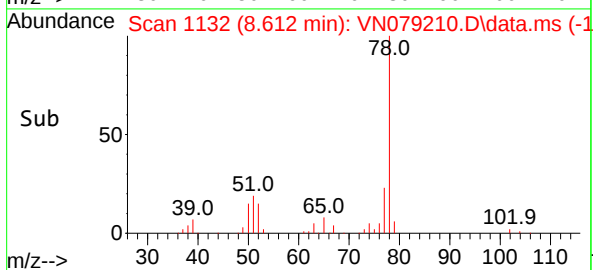
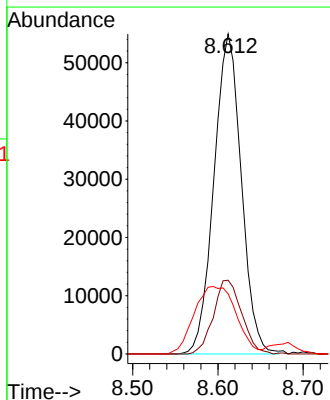
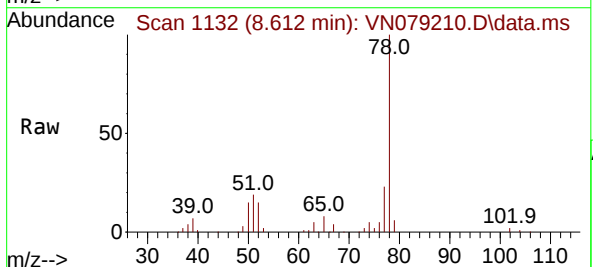
Manual Integrations
APPROVED

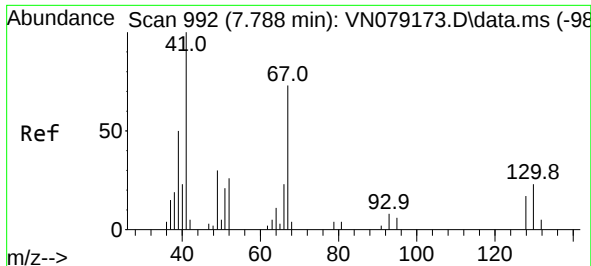
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#34
Benzene
Concen: 18.488 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

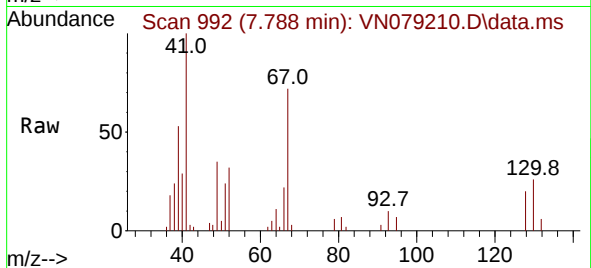
Tgt Ion: 78 Resp: 122492
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3
51 17.2 13.1 19.7





#35
Methacrylonitrile
Concen: 17.954 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

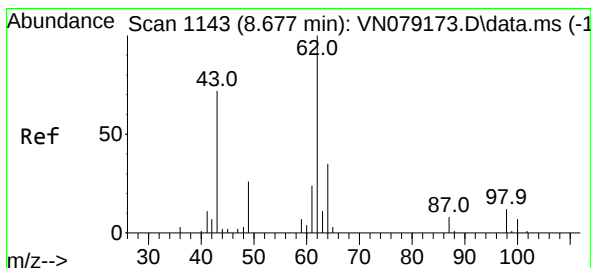
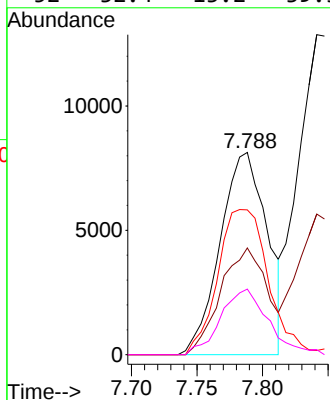
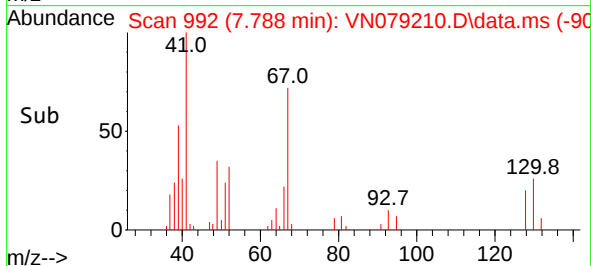
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion:	41	Resp:	2027
Ion Ratio	100	Lower	Upper
39	52.8	24.9	74.6
67	71.6	36.7	110.1
52	32.4	13.2	39.5

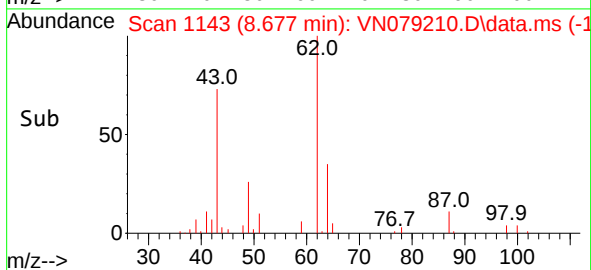
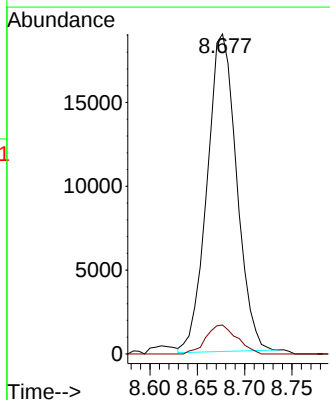
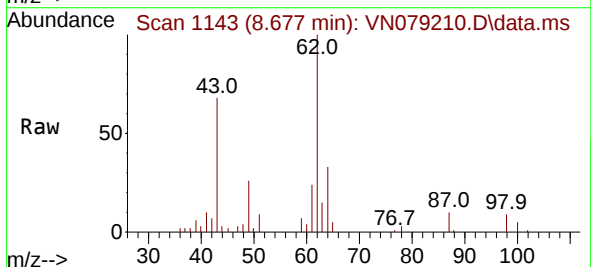
Manual Integrations
APPROVED

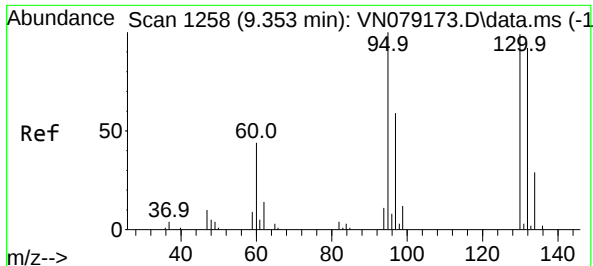
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#36
1,2-Dichloroethane
Concen: 18.853 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:	62	Resp:	41195
Ion Ratio	100	Lower	Upper
98	9.5	8.2	12.2





#37

Trichloroethene

Concen: 18.796 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion:130 Resp: 29430

Ion Ratio Lower Upper

130 100

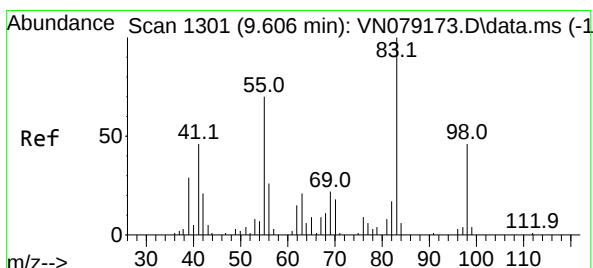
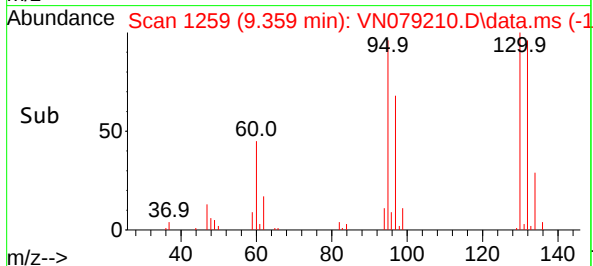
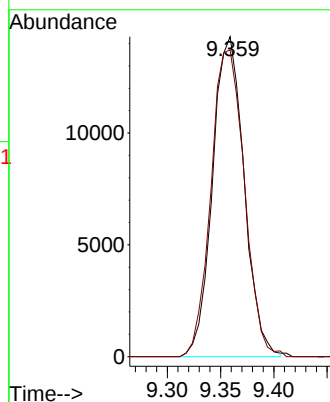
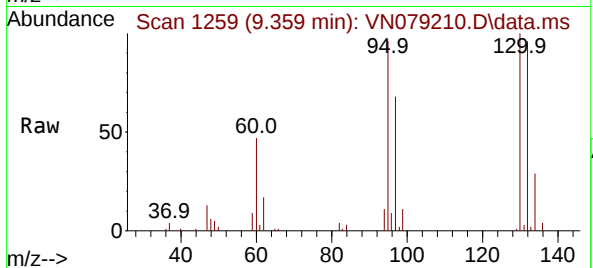
95 95.9 81.0 121.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

Methylcyclohexane

Concen: 17.989 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

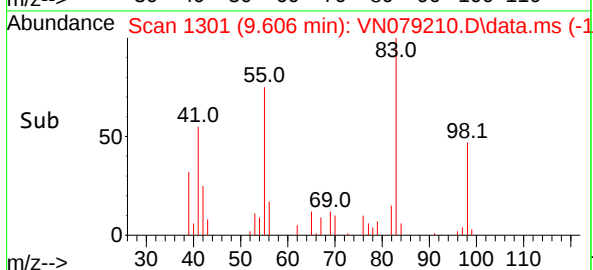
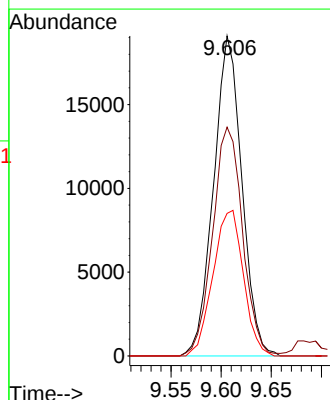
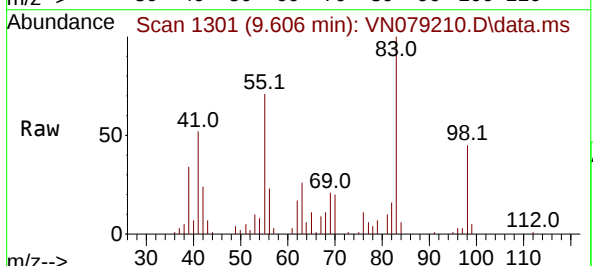
Tgt Ion: 83 Resp: 37503

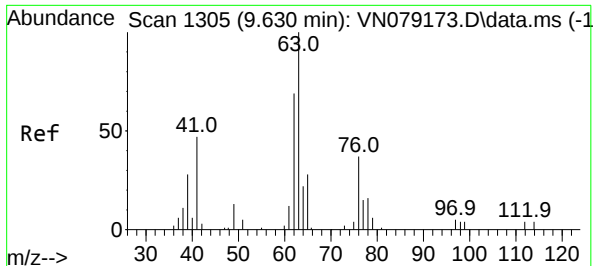
Ion Ratio Lower Upper

83 100

55 75.7 39.1 117.2

98 49.0 24.1 72.4





#39

1,2-Dichloropropane

Concen: 18.518 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 63 Resp: 3164

Ion Ratio Lower Upper

63 100

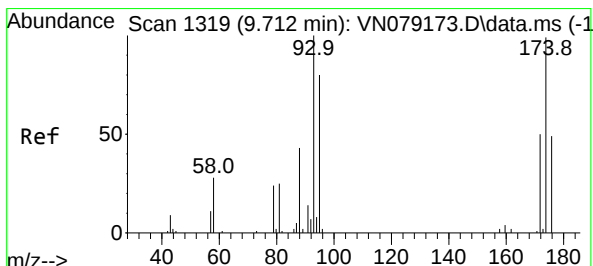
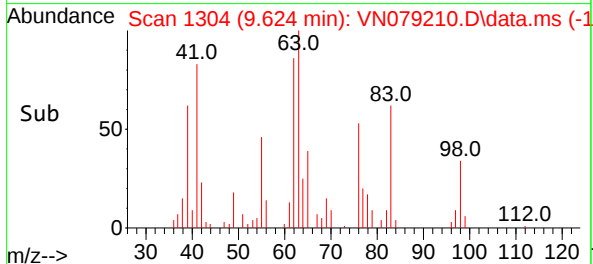
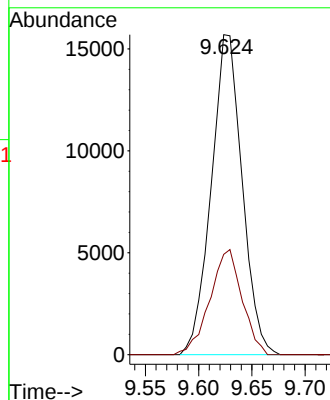
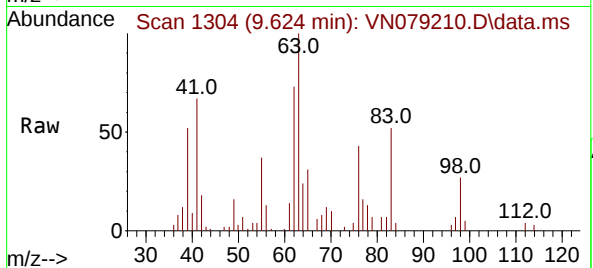
65 31.4 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Dibromomethane

Concen: 19.106 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

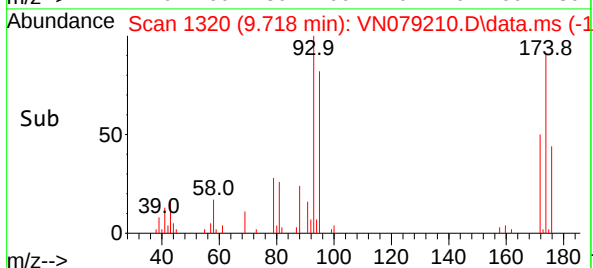
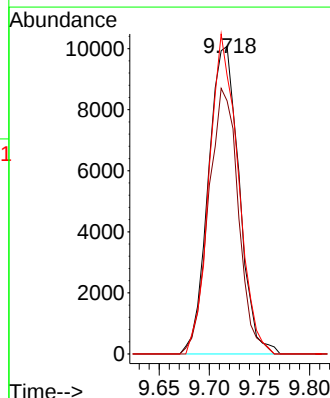
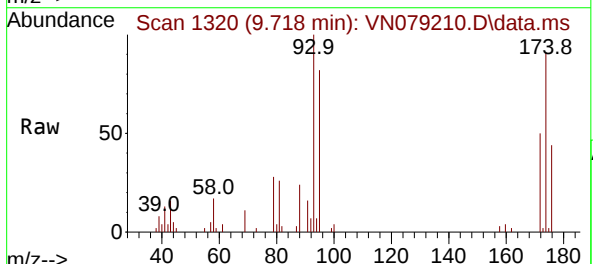
Tgt Ion: 93 Resp: 21534

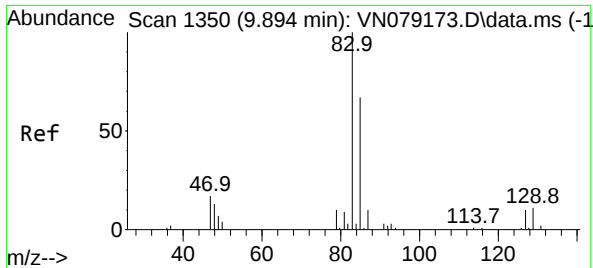
Ion Ratio Lower Upper

93 100

95 83.1 0.0 172.4

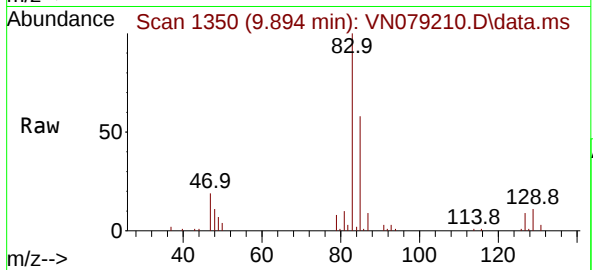
174 97.1 0.0 192.4





#41
Bromodichloromethane
Concen: 20.115 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

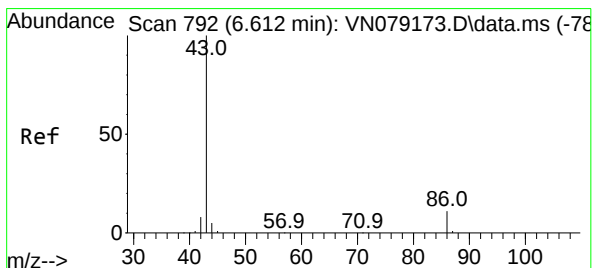
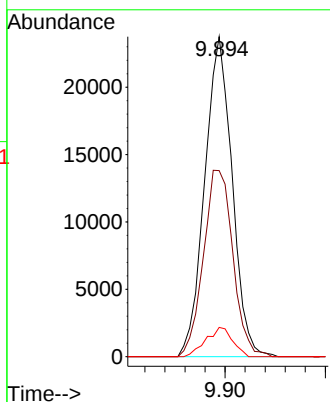
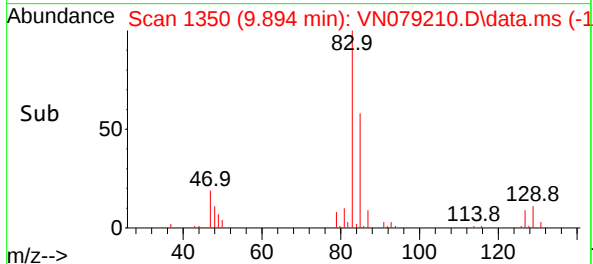
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 83 Resp: 45192
Ion Ratio Lower Upper
83 100
85 58.1 53.4 80.2
127 9.2 8.3 12.5

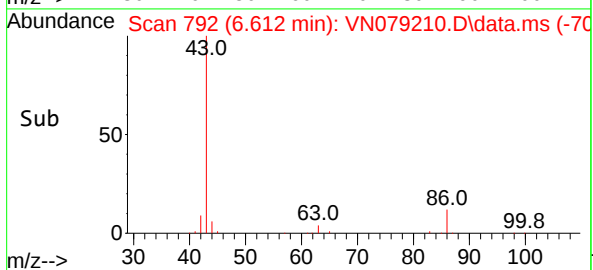
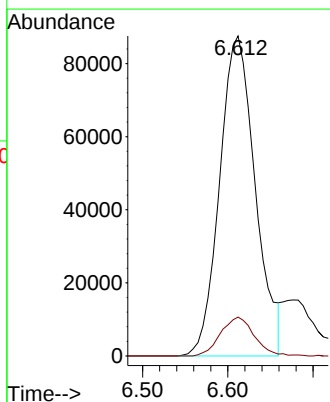
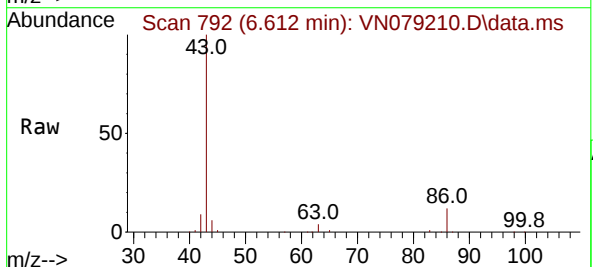
Manual Integrations
APPROVED

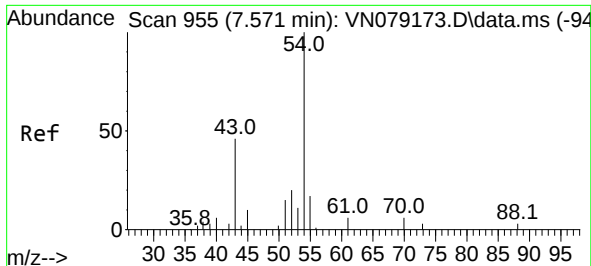
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#42
Vinyl Acetate
Concen: 102.253 ug/l
RT: 6.612 min Scan# 792
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

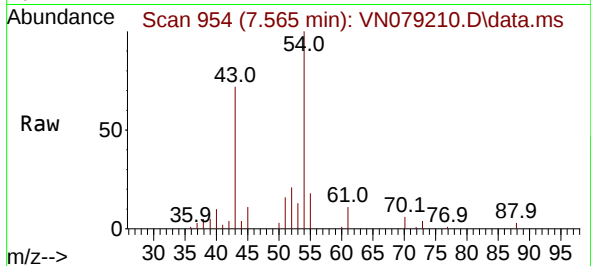
Tgt Ion: 43 Resp: 254710
Ion Ratio Lower Upper
43 100
86 11.4 9.2 13.8





#43
Ethyl Acetate
Concen: 17.507 ug/l
RT: 7.565 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

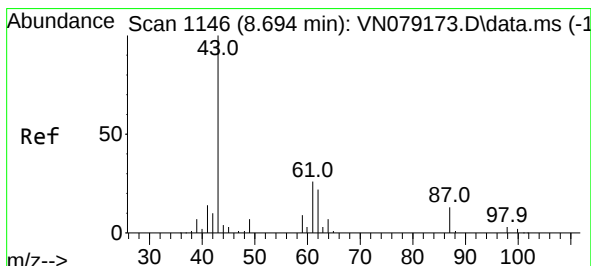
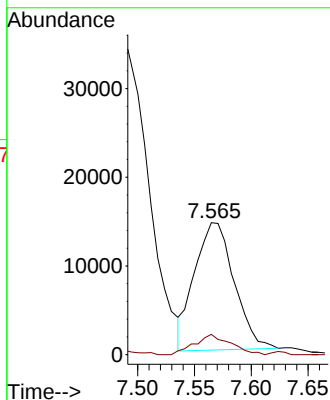
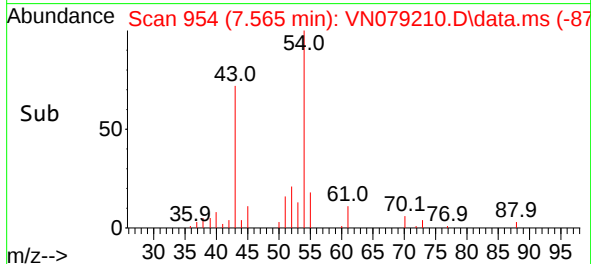
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



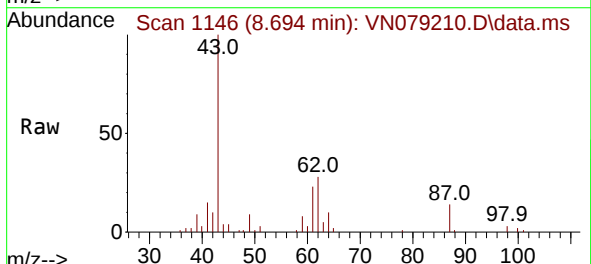
Tgt Ion: 43 Resp: 3487
Ion Ratio Lower Upper
43 100
45 14.4 11.1 16.7

Manual Integrations
APPROVED

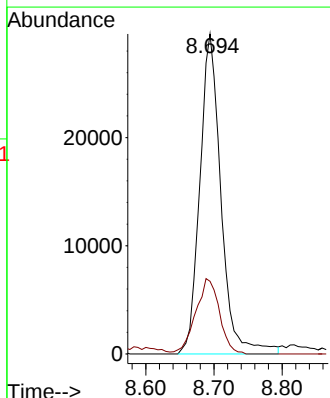
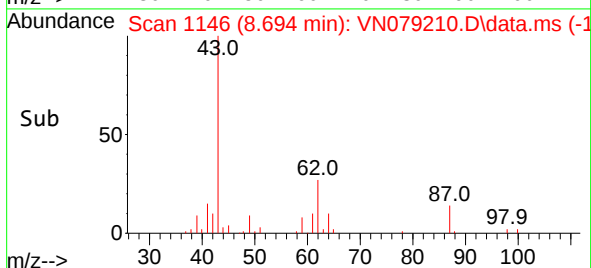
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

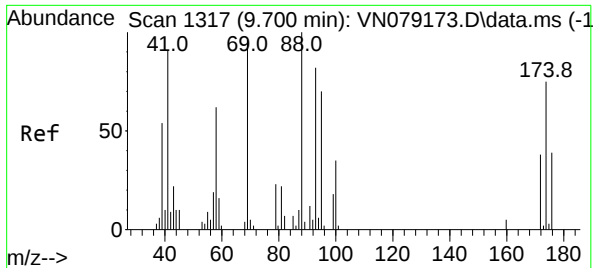


#44
Isopropyl Acetate
Concen: 17.827 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



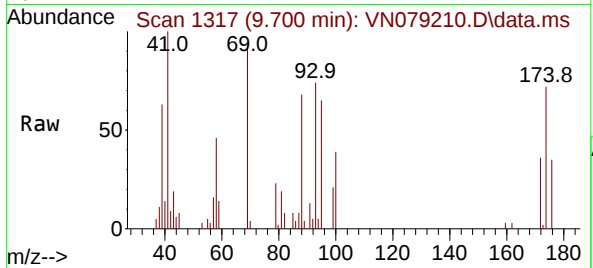
Tgt Ion: 43 Resp: 63882
Ion Ratio Lower Upper
43 100
61 26.4 22.6 33.8





#45
1,4-Dioxane
Concen: 322.151 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

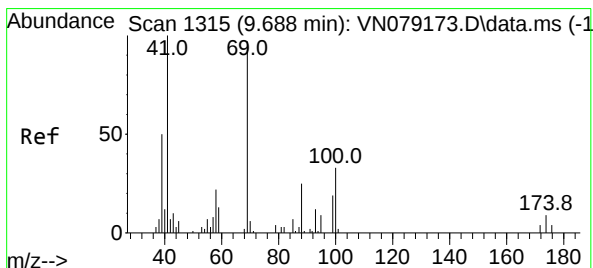
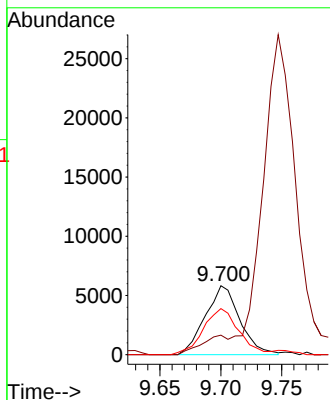
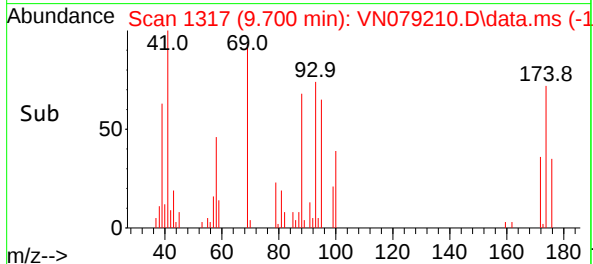
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



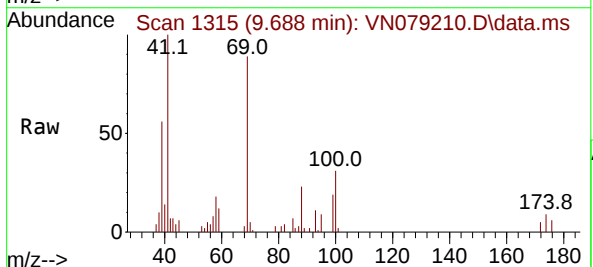
Tgt Ion: 88 Resp: 1149
Ion Ratio Lower Upper
88 100
43 22.2 19.9 29.9
58 68.8 58.0 87.0

Manual Integrations
APPROVED

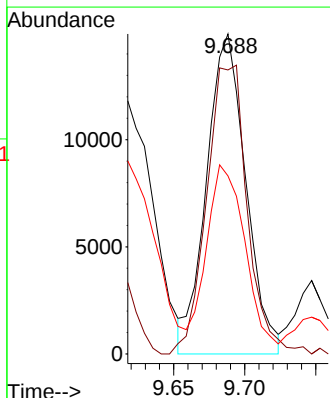
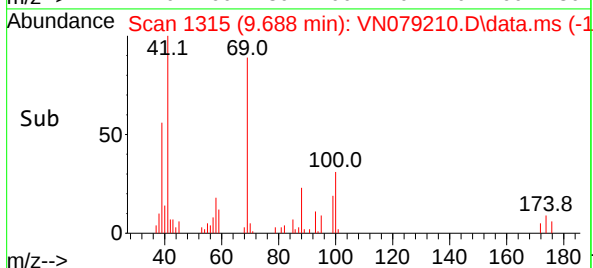
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

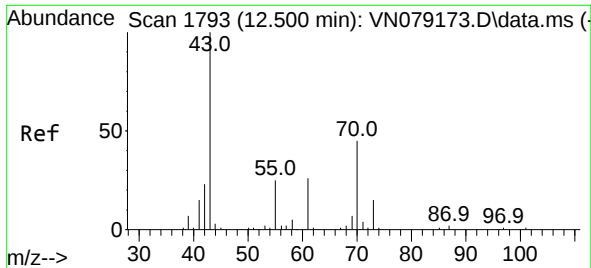


#46
Methyl methacrylate
Concen: 17.931 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



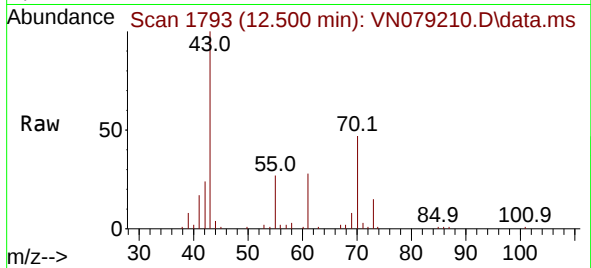
Tgt Ion: 41 Resp: 28708
Ion Ratio Lower Upper
41 100
69 91.1 48.1 144.3
39 55.9 25.8 77.3





#47
n-amy1 Acetate
Concen: 17.762 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

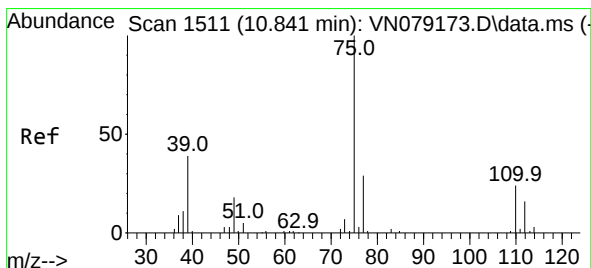
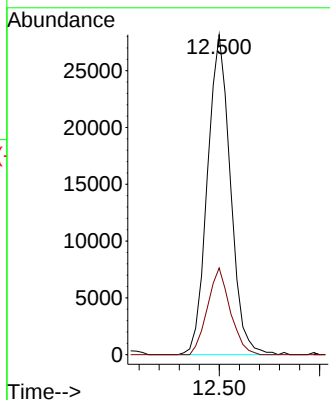
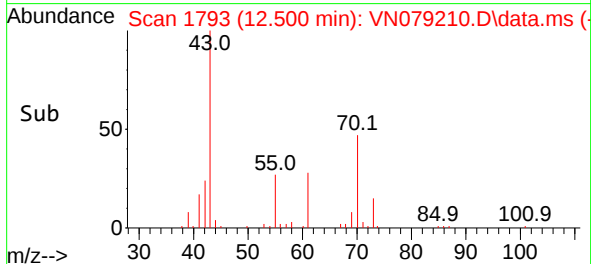
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 43 Resp: 44764
Ion Ratio Lower Upper
43 100
55 26.8 20.5 30.7

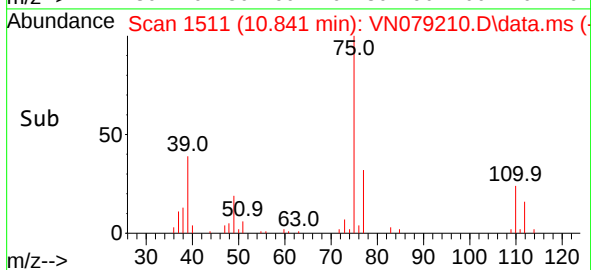
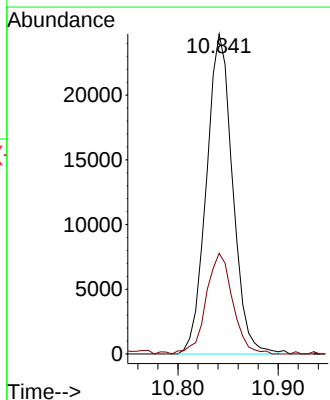
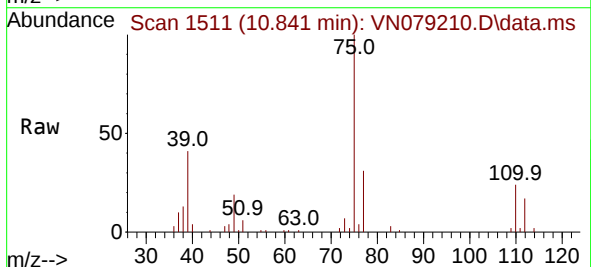
Manual Integrations
APPROVED

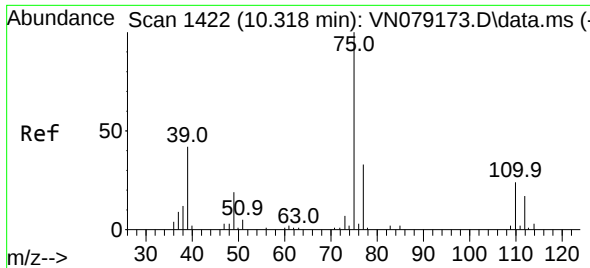
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#48
t-1,3-Dichloropropene
Concen: 18.461 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

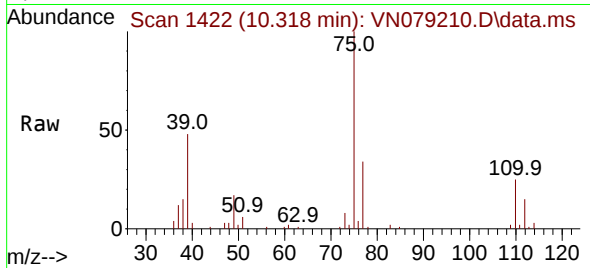
Tgt Ion: 75 Resp: 44873
Ion Ratio Lower Upper
75 100
77 31.5 22.9 34.3





#49
 cis-1,3-Dichloropropene
 Concen: 19.528 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

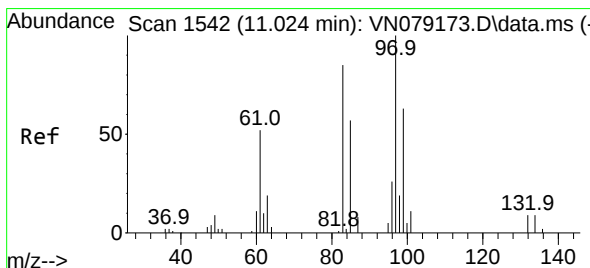
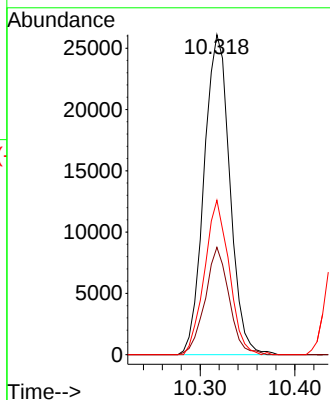
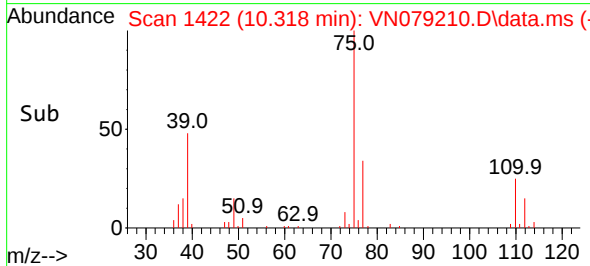
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01



Tgt Ion: 75 Resp: 49512
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.2 39.2
 39 48.3 33.8 50.8

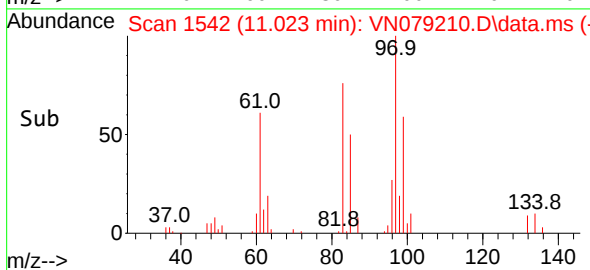
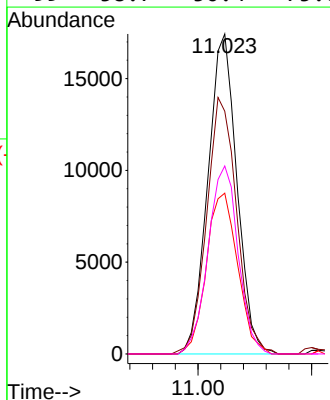
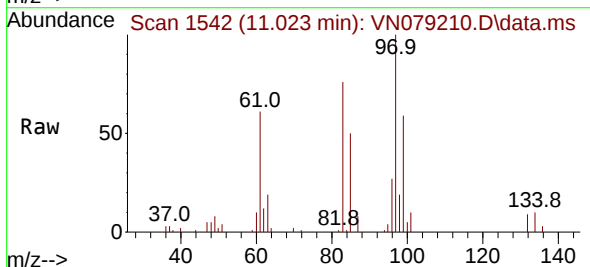
Manual Integrations
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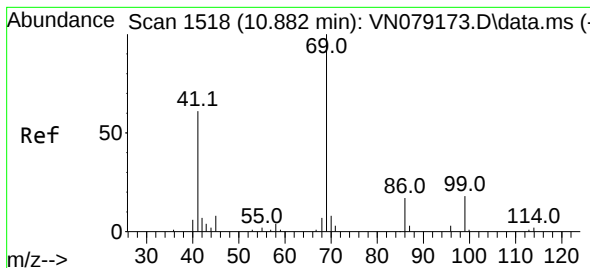
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.591 ug/l
 RT: 11.023 min Scan# 1542
 Delta R.T. -0.001 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

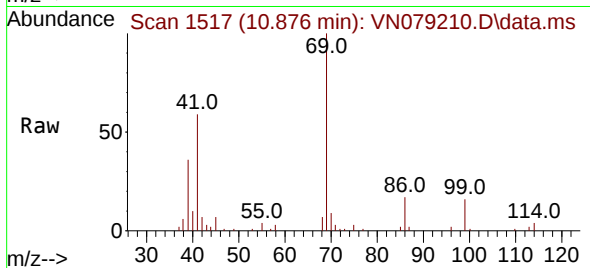
Tgt Ion: 97 Resp: 30976
 Ion Ratio Lower Upper
 97 100
 83 75.8 68.9 103.3
 85 50.2 45.3 67.9
 99 58.7 50.4 75.6





#51
Ethyl methacrylate
Concen: 17.051 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

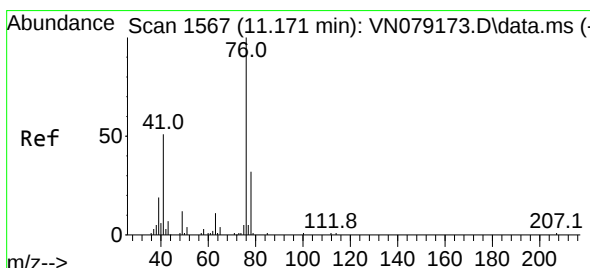
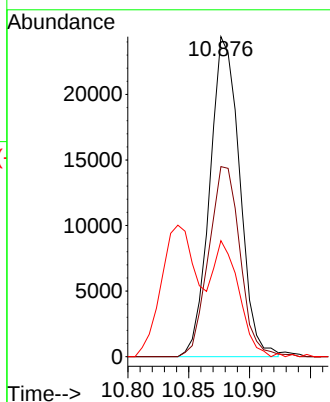
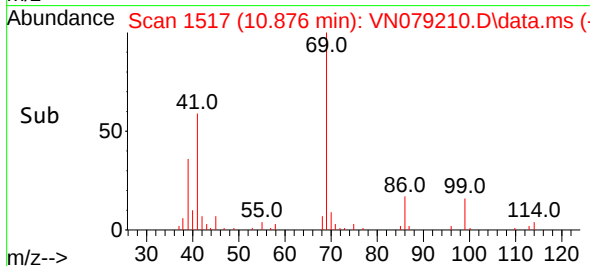
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 69 Resp: 41630
Ion Ratio Lower Upper
69 100
41 59.4 30.3 90.9
39 35.2 13.4 40.1

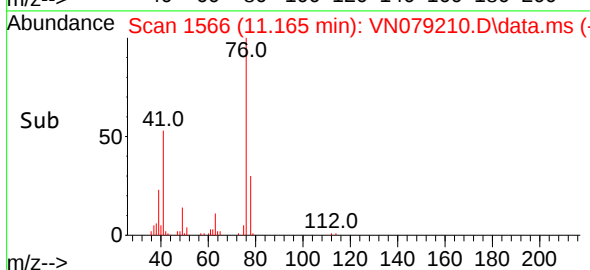
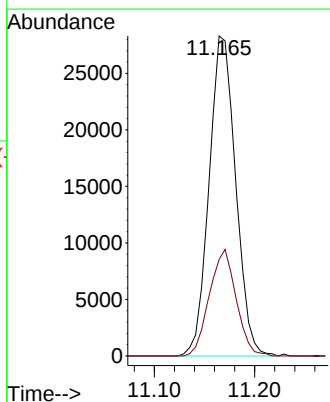
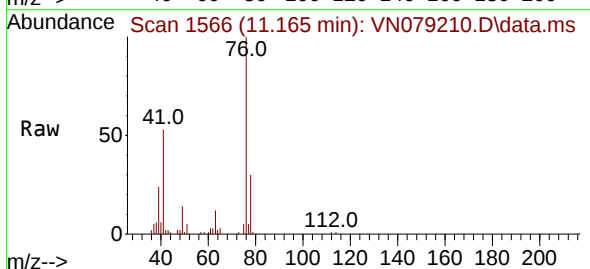
Manual Integrations
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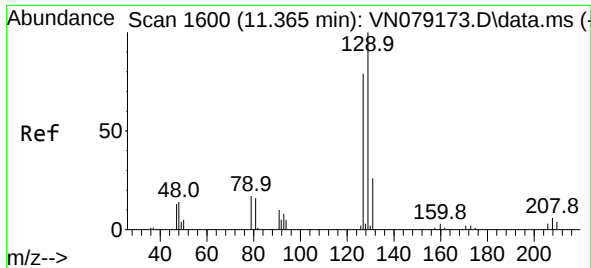
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#52
1,3-Dichloropropane
Concen: 19.335 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 76 Resp: 52192
Ion Ratio Lower Upper
76 100
78 33.5 0.0 64.2





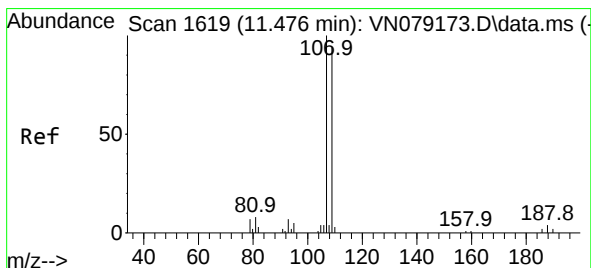
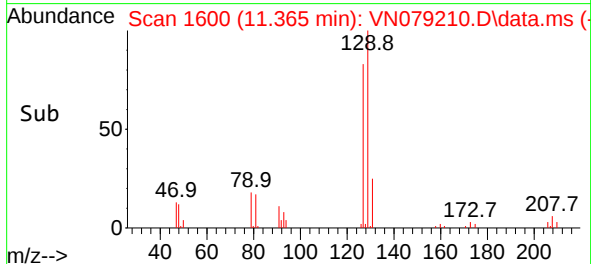
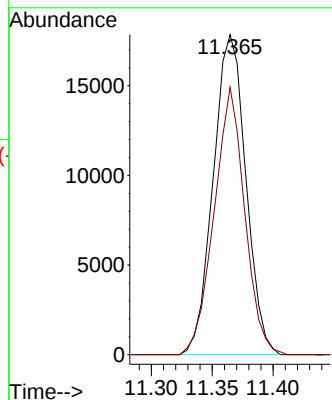
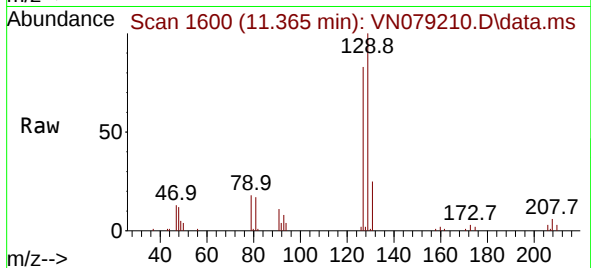
#53
Dibromochloromethane
Concen: 20.062 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:129 Resp: 33269
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1

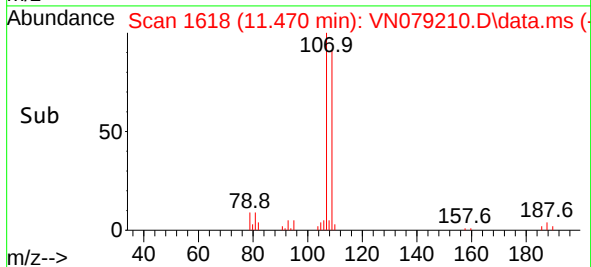
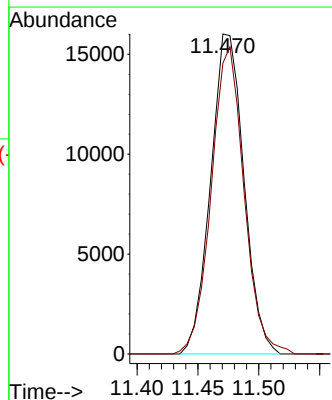
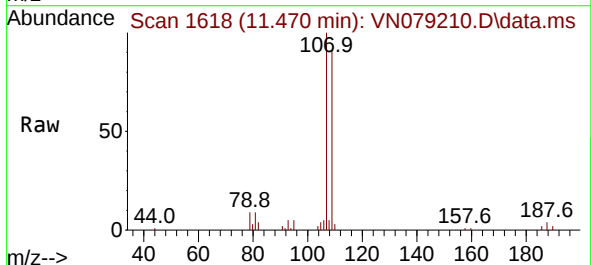
Manual Integrations
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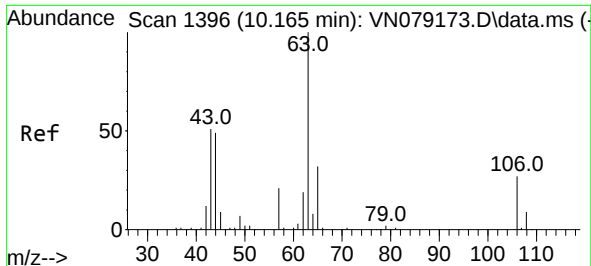
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#54
1,2-Dibromoethane
Concen: 18.996 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

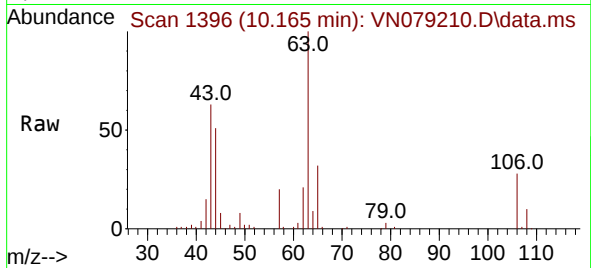
Tgt Ion:107 Resp: 30499
Ion Ratio Lower Upper
107 100
109 94.2 76.4 114.6





#55
2-Chloroethyl vinyl ether
Concen: 95.256 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

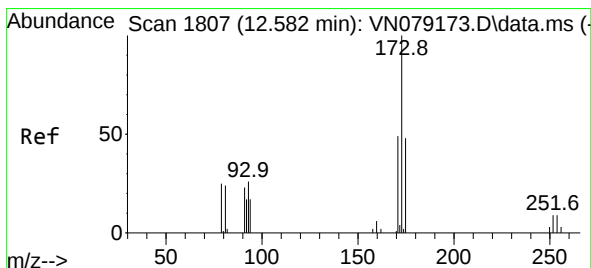
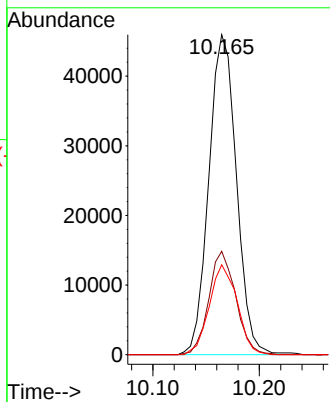
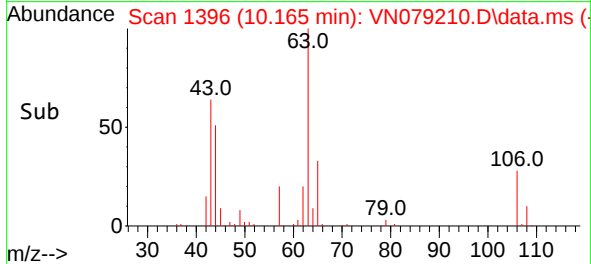
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 63 Resp: 82649
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5
106 28.3 21.9 32.9

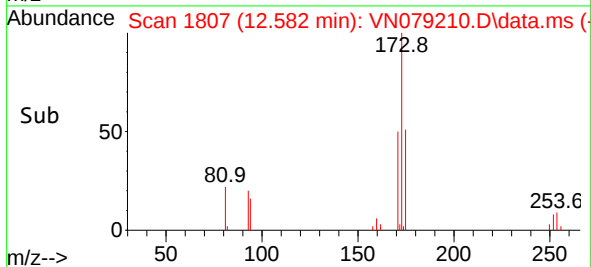
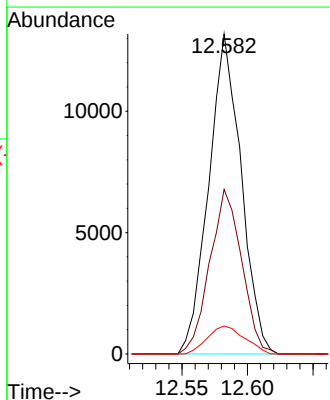
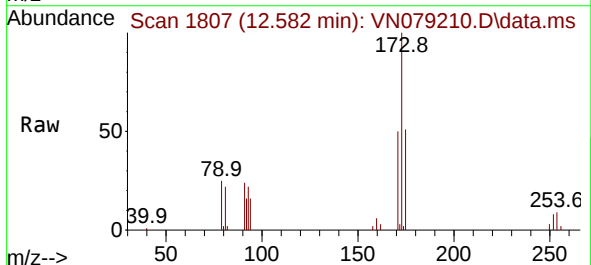
Manual Integrations
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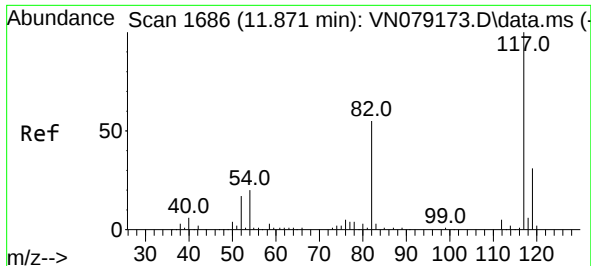
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#56
Bromoform
Concen: 19.584 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:173 Resp: 22630
Ion Ratio Lower Upper
173 100
175 50.6 37.6 56.4
254 10.0 7.8 11.8





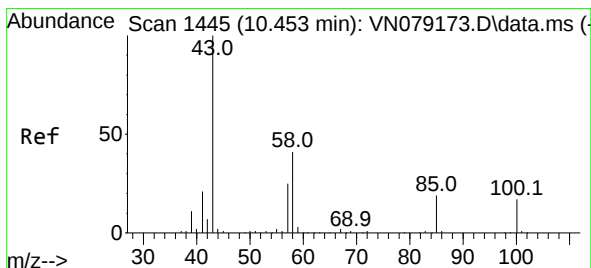
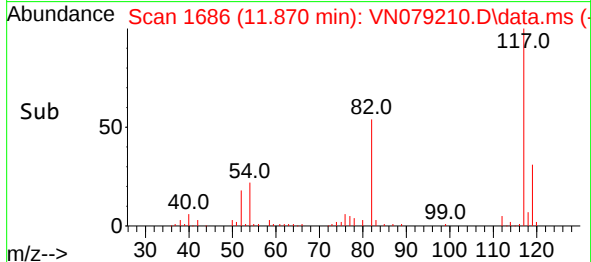
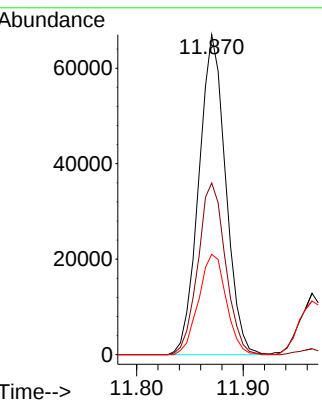
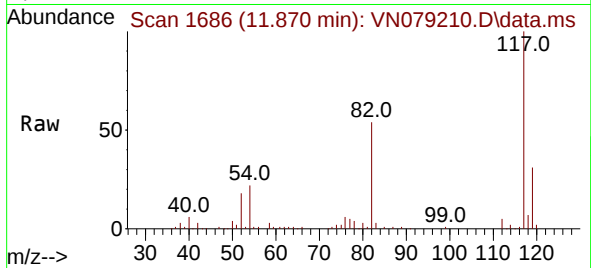
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117349
Delta R.T. -0.001 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:117 Resp: 117349
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 32.3 24.9 37.3

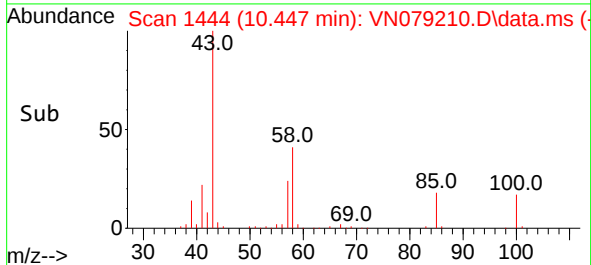
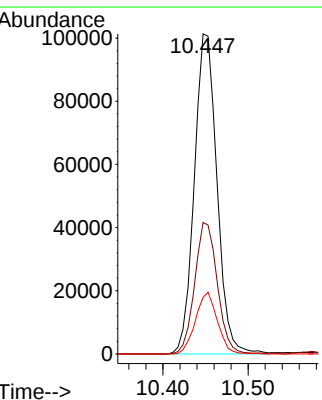
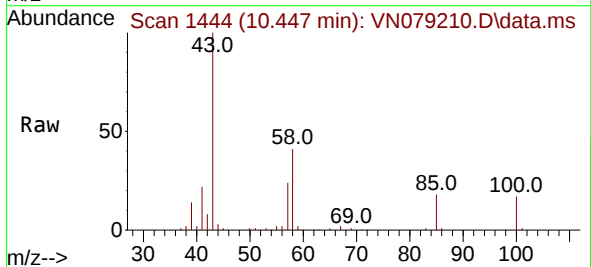
Manual Integrations
APPROVED

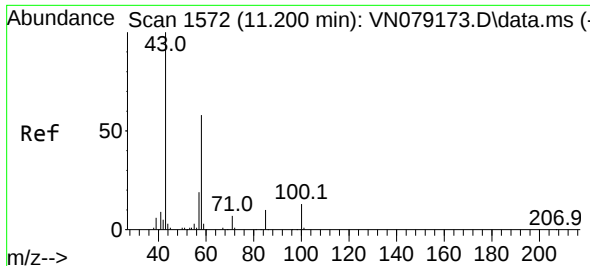
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#58
4-Methyl-2-Pentanone
Concen: 87.086 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

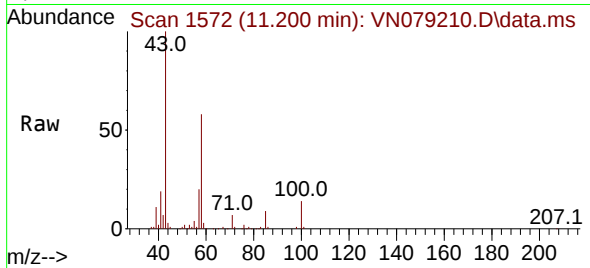
Tgt Ion: 43 Resp: 187532
Ion Ratio Lower Upper
43 100
58 40.9 33.6 50.4
85 18.5 15.0 22.4





#59
2-Hexanone
Concen: 87.655 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

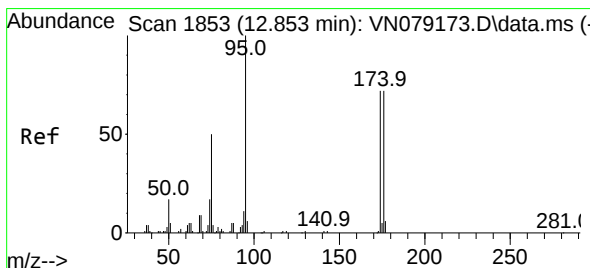
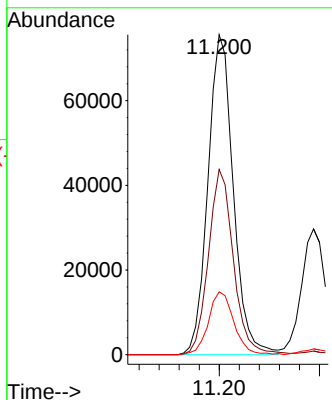
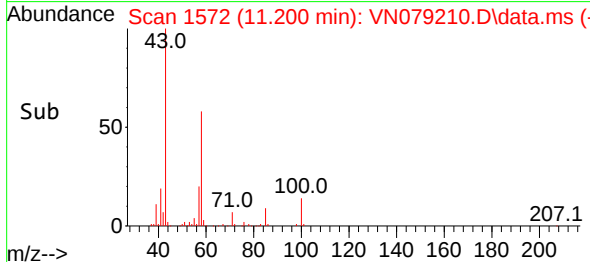
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 43 Resp: 13256
Ion Ratio Lower Upper
43 100
58 57.0 46.4 69.6
57 19.7 15.3 22.9

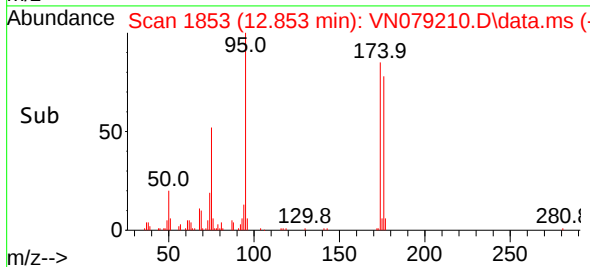
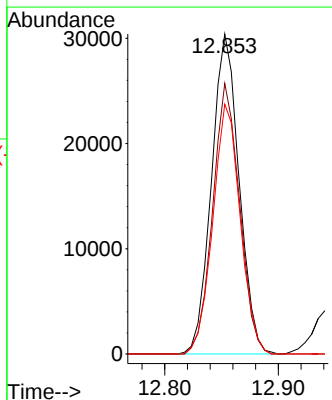
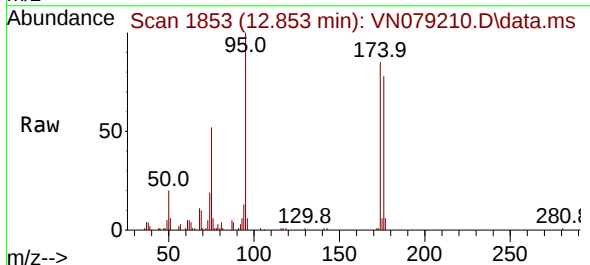
Manual Integrations
APPROVED

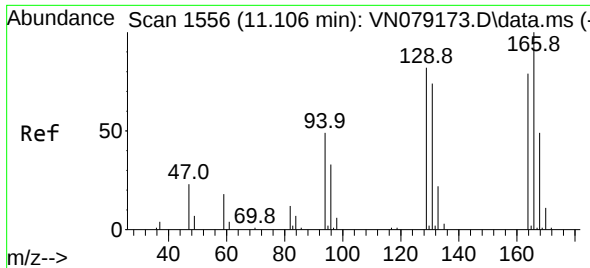
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#60
4-Bromofluorobenzene
Concen: 29.659 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

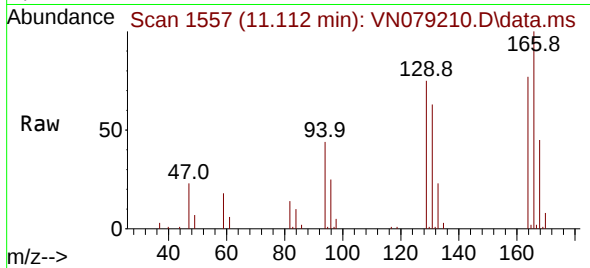
Tgt Ion: 95 Resp: 51283
Ion Ratio Lower Upper
95 100
174 82.2 59.5 89.3
176 77.4 59.1 88.7





#61
Tetrachloroethene
Concen: 20.631 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

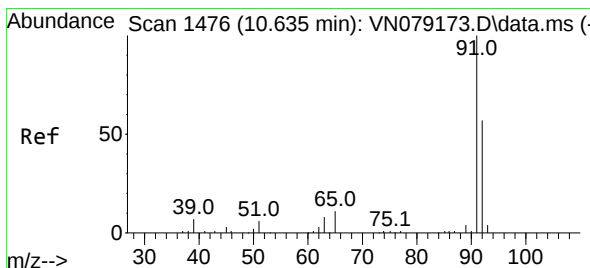
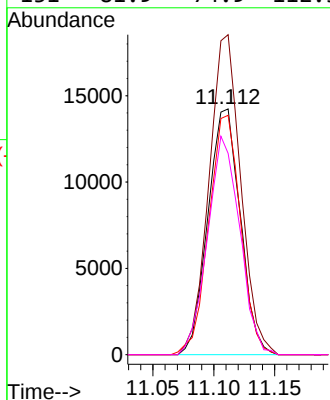
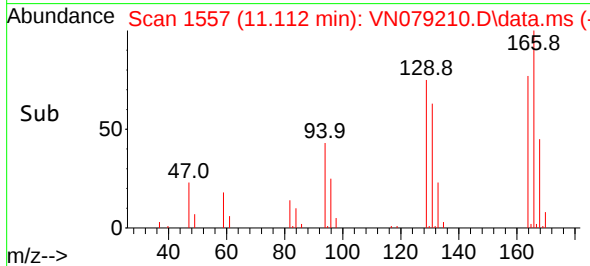
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



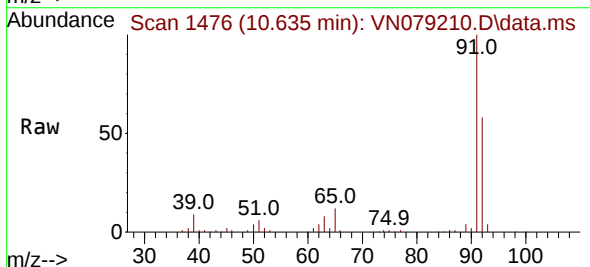
Tgt Ion:164 Resp: 26344
Ion Ratio Lower Upper
164 100
166 130.2 101.9 152.9
129 97.4 83.4 125.0
131 81.9 74.9 112.3

Manual Integrations
APPROVED

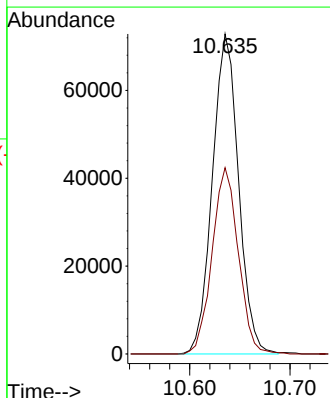
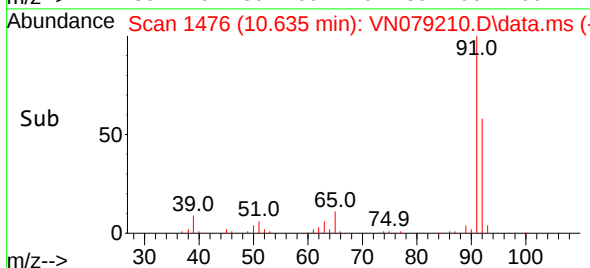
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

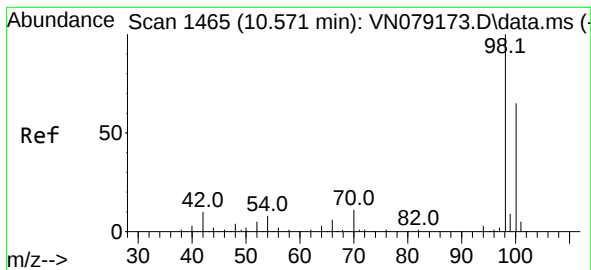


#62
Toluene
Concen: 19.299 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



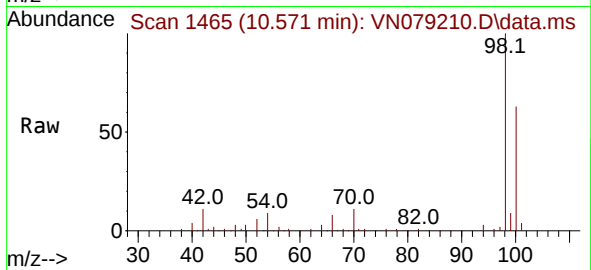
Tgt Ion: 91 Resp: 131860
Ion Ratio Lower Upper
91 100
92 58.3 45.7 68.5





#63
Toluene-d8
Concen: 30.008 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

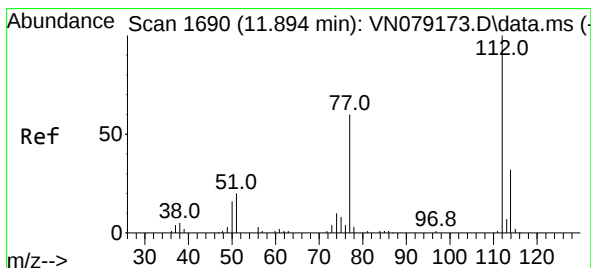
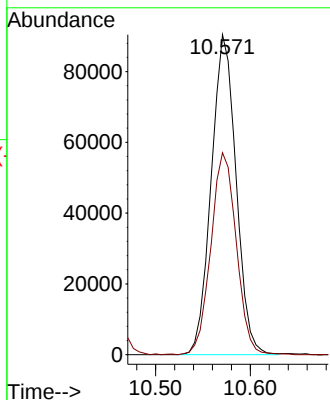
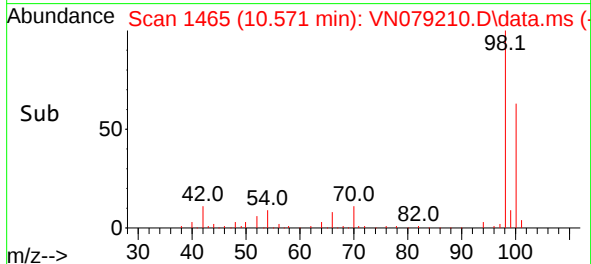
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion: 98 Resp: 164569
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

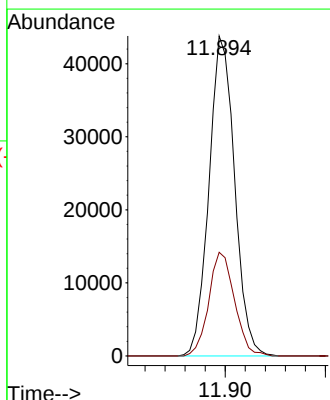
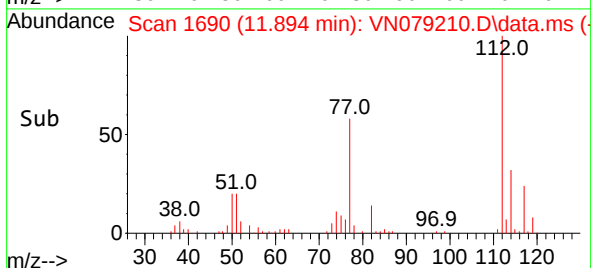
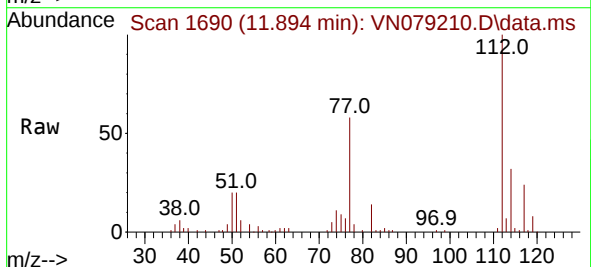
Manual Integrations
APPROVED

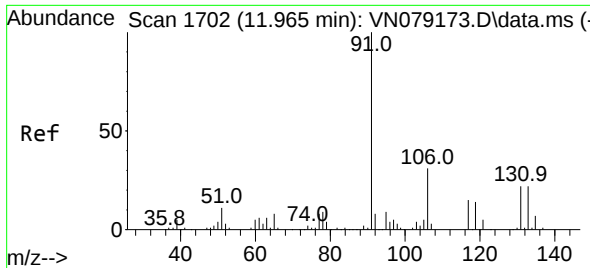
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#64
Chlorobenzene
Concen: 19.492 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:112 Resp: 77694
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4





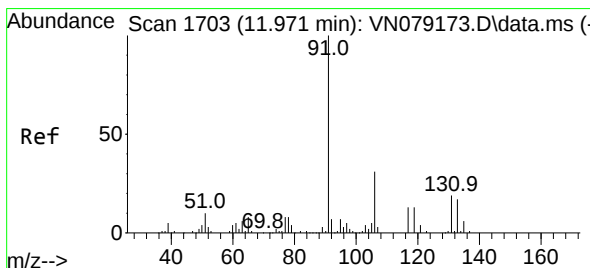
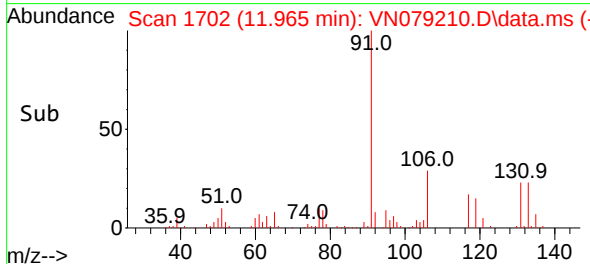
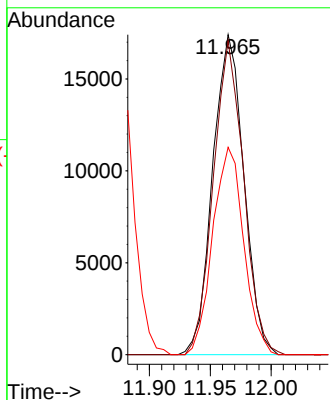
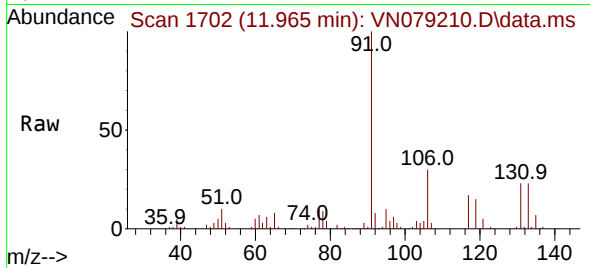
#65
1,1,1,2-Tetrachloroethane
Concen: 20.333 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:131 Resp: 31029
Ion Ratio Lower Upper
131 100
133 95.4 0.0 193.0
119 64.6 0.0 131.2

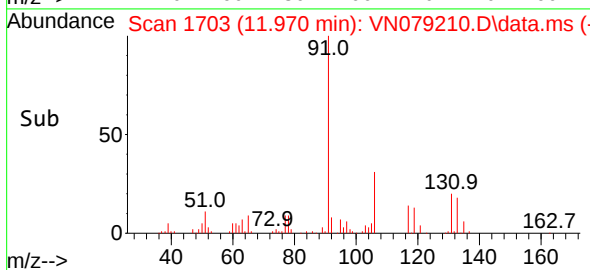
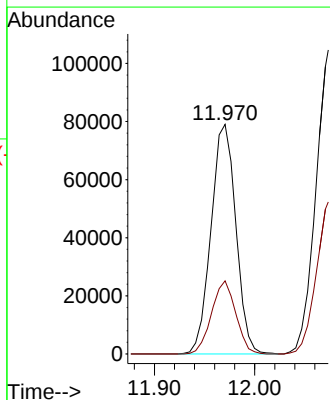
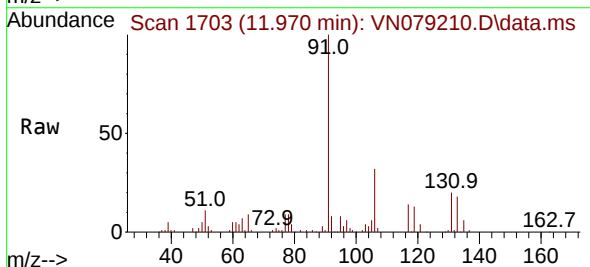
Manual Integrations
APPROVED

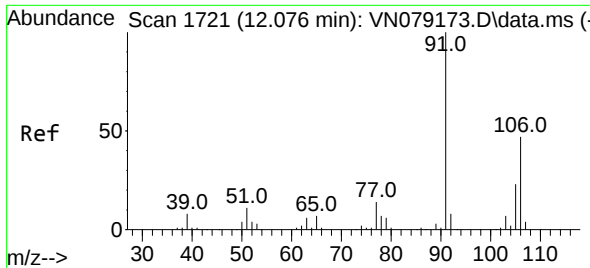
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
Ethyl Benzene
Concen: 19.760 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 91 Resp: 135940
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6





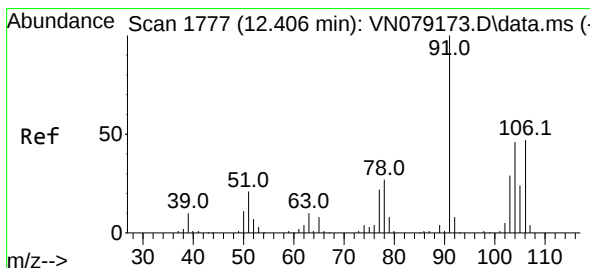
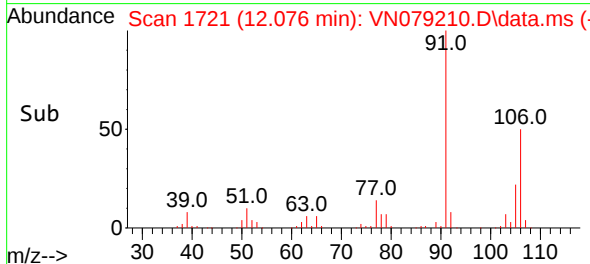
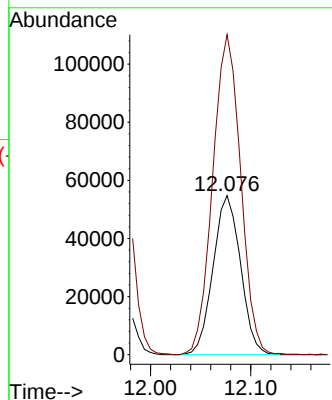
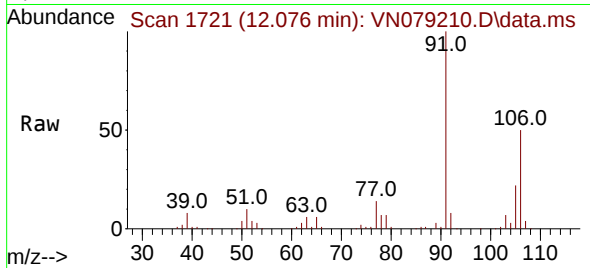
#67
m/p-Xylenes
Concen: 40.157 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:106 Resp: 103950
Ion Ratio Lower Upper
106 100
91 205.1 165.2 247.8

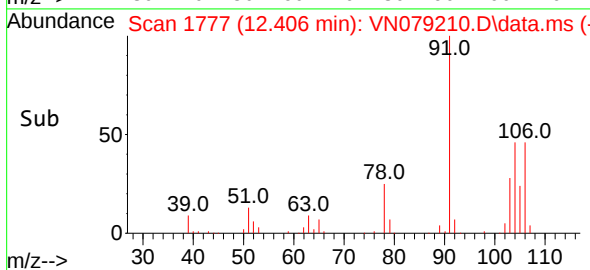
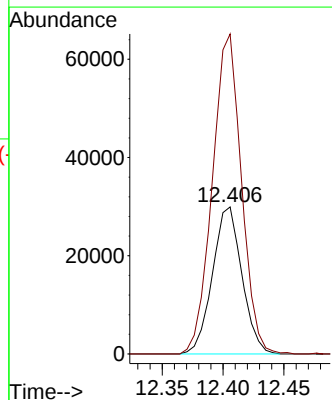
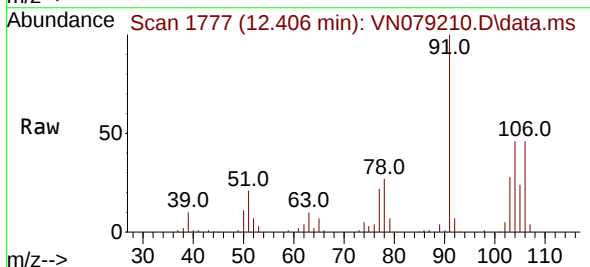
Manual Integrations
APPROVED

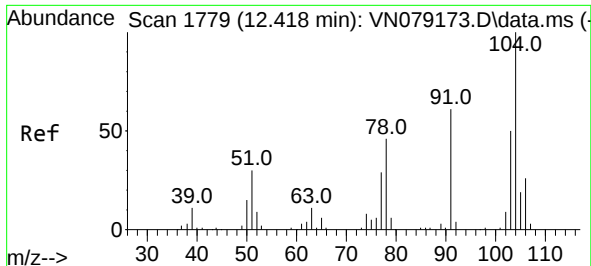
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#68
o-Xylene
Concen: 20.173 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

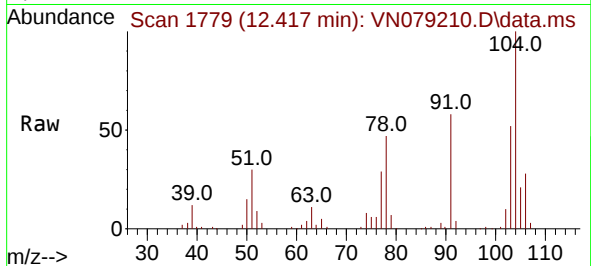
Tgt Ion:106 Resp: 50360
Ion Ratio Lower Upper
106 100
91 214.8 109.7 329.1





#69
Styrene
Concen: 20.507 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. -0.001 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

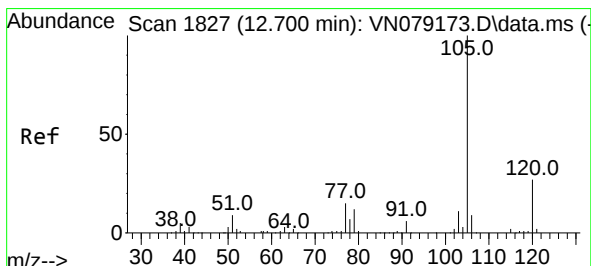
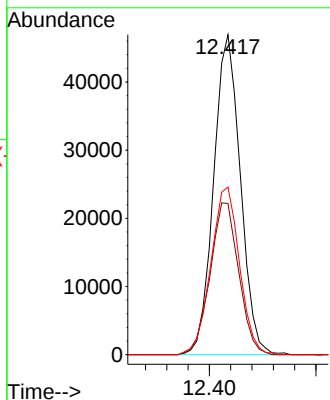
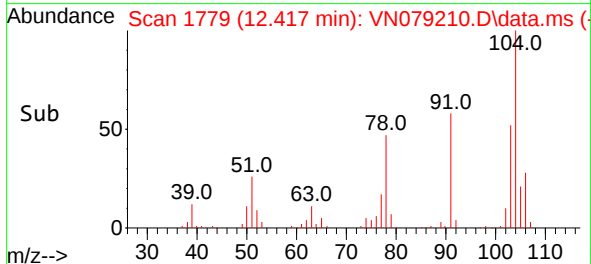
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



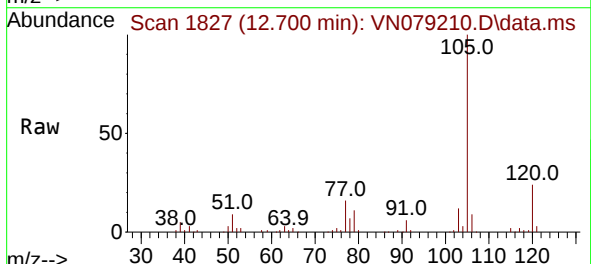
Tgt Ion:104 Resp: 81650
Ion Ratio Lower Upper
104 100
78 50.8 40.5 60.7
103 56.1 43.3 64.9

Manual Integrations
APPROVED

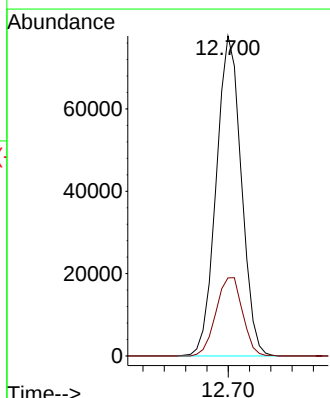
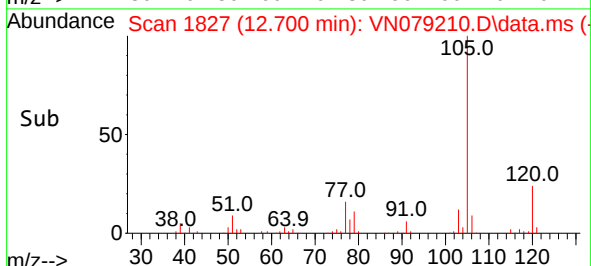
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

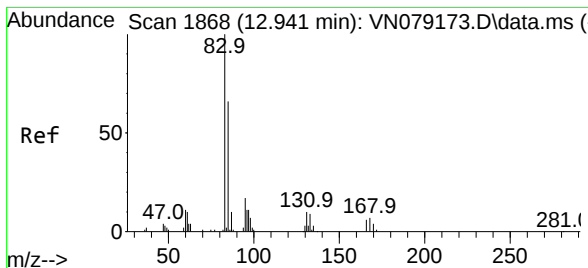


#70
Isopropylbenzene
Concen: 20.018 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



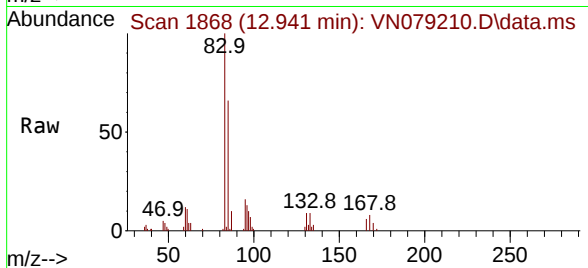
Tgt Ion:105 Resp: 127027
Ion Ratio Lower Upper
105 100
120 25.9 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 18.393 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

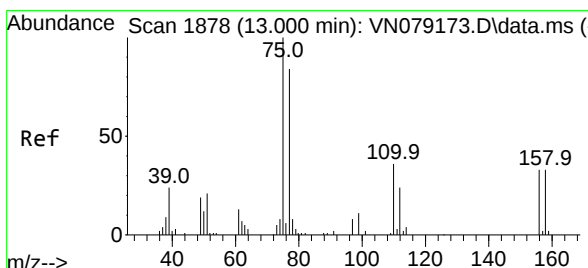
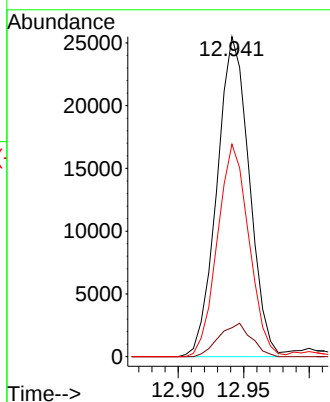
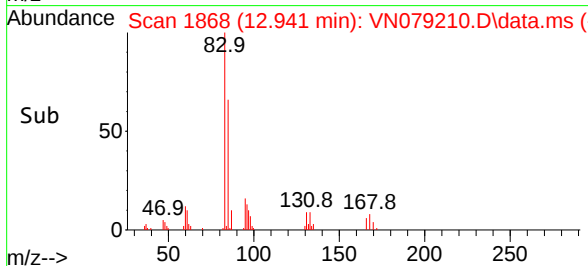
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



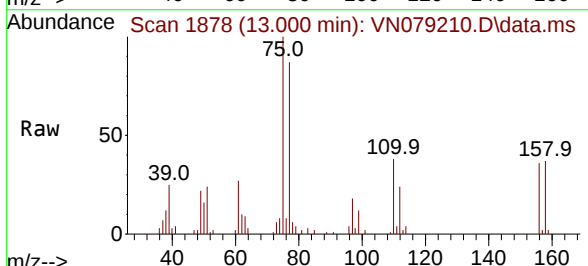
Tgt Ion: 83 Resp: 43660
Ion Ratio Lower Upper
83 100
131 10.4 4.9 14.6
85 64.8 33.1 99.3

Manual Integrations
APPROVED

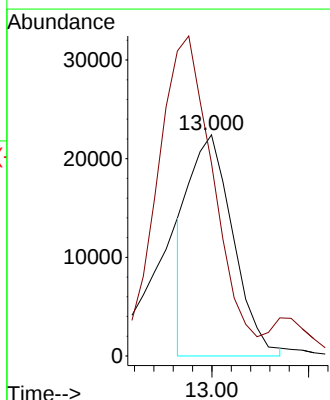
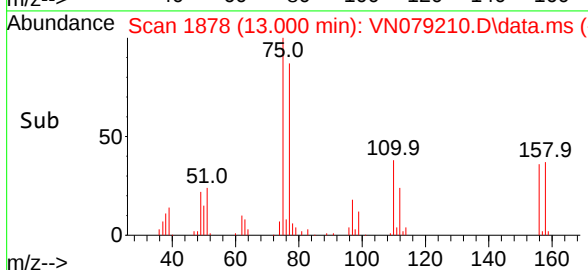
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

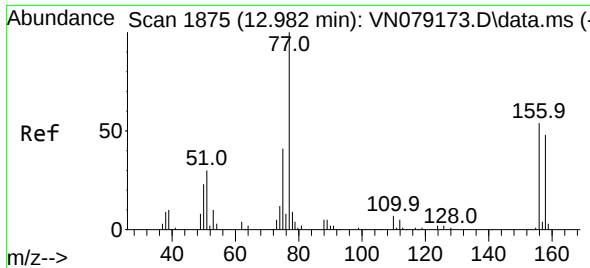


#72
1,2,3-Trichloropropane
Concen: 17.731 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



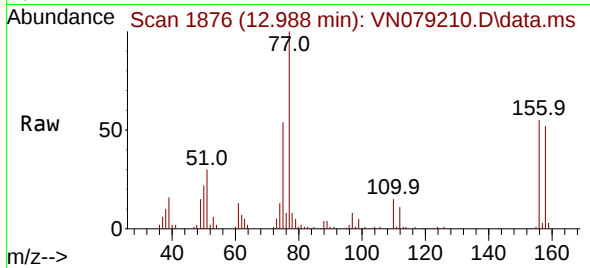
Tgt Ion: 75 Resp: 35414
Ion Ratio Lower Upper
75 100
77 185.4 0.0 252.2





#73
Bromobenzene
Concen: 19.838 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

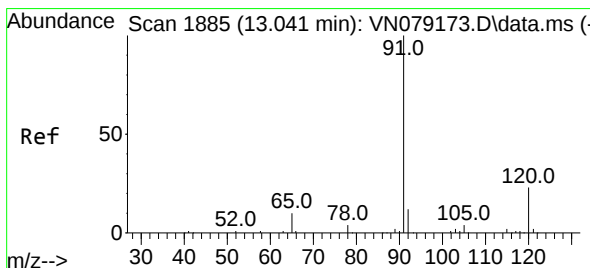
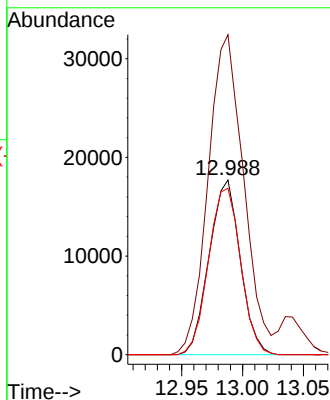
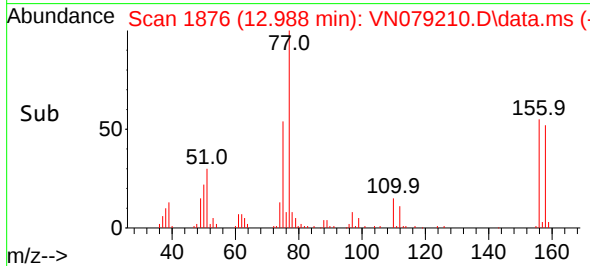
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion:156 Resp: 31440
Ion Ratio Lower Upper
156 100
77 208.8 0.0 446.6
158 98.7 0.0 188.6

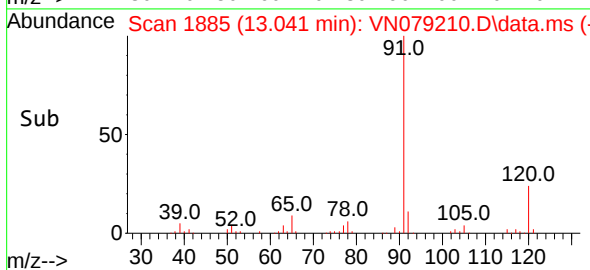
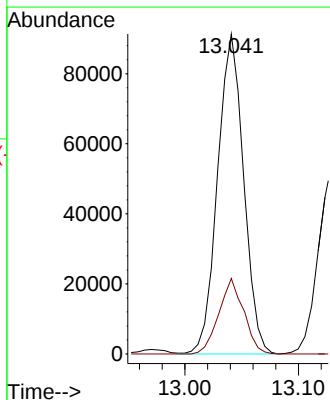
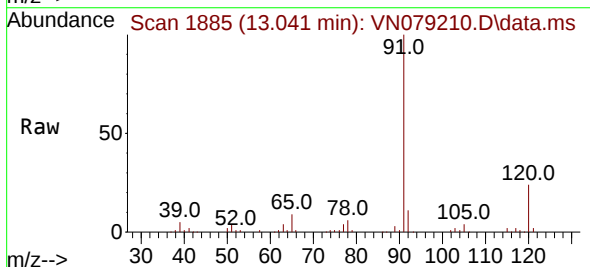
Manual Integrations
APPROVED

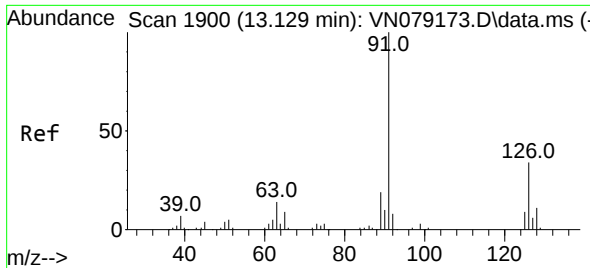
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#74
n-propylbenzene
Concen: 20.153 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion: 91 Resp: 145704
Ion Ratio Lower Upper
91 100
120 22.5 0.0 44.0





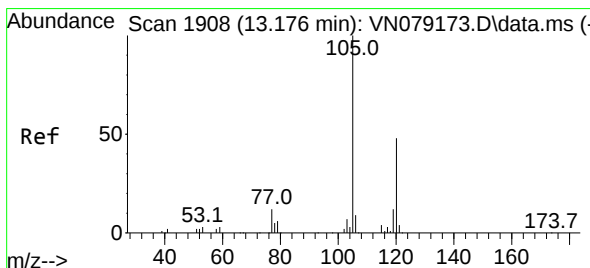
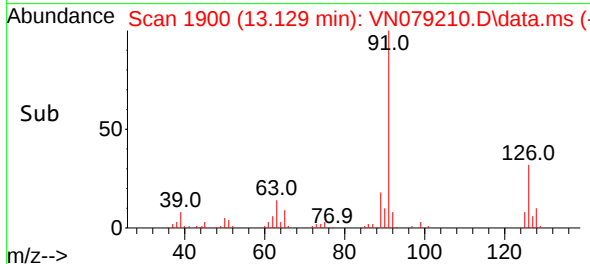
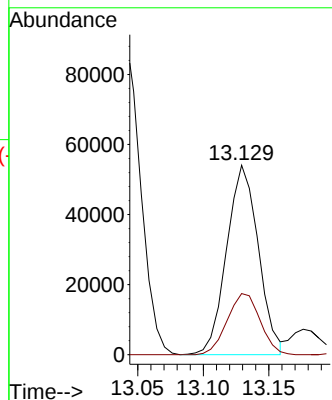
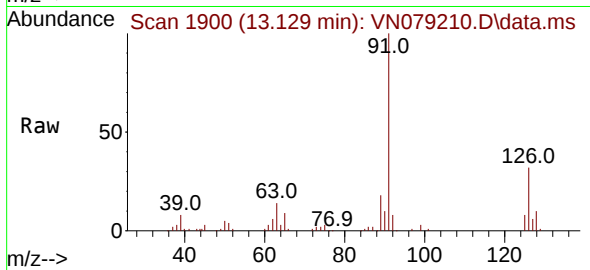
#75
2-Chlorotoluene
Concen: 19.669 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 91 Resp: 91185
Ion Ratio Lower Upper
91 100
126 33.4 0.0 65.4

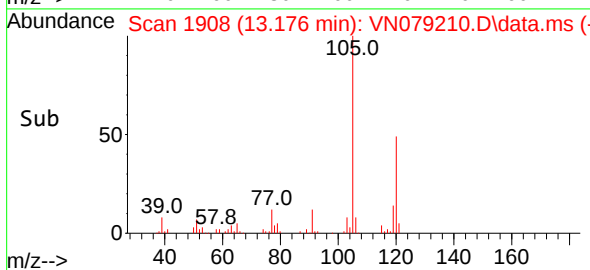
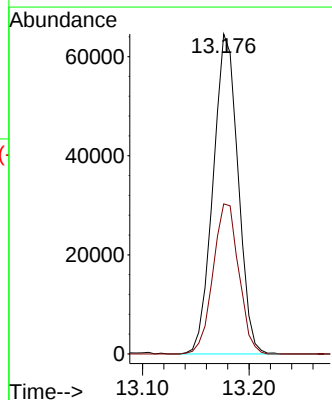
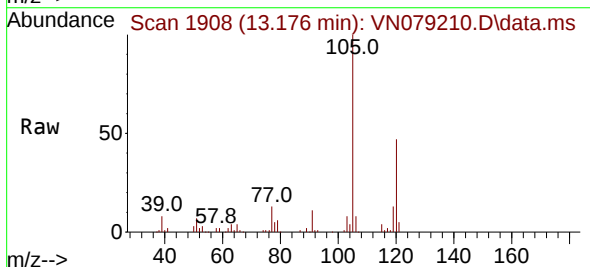
Manual Integrations
APPROVED

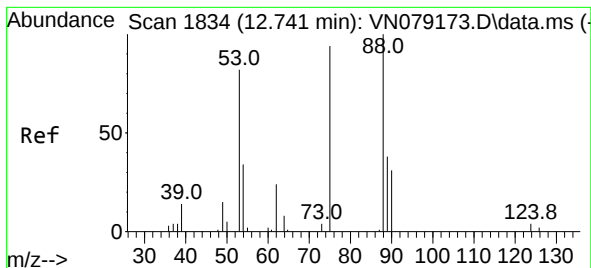
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.017 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

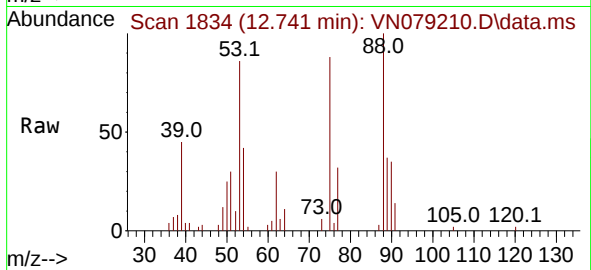
Tgt Ion:105 Resp: 105026
Ion Ratio Lower Upper
105 100
120 48.4 0.0 95.6





#77
t-1,4-Dichloro-2-butene
Concen: 17.228 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

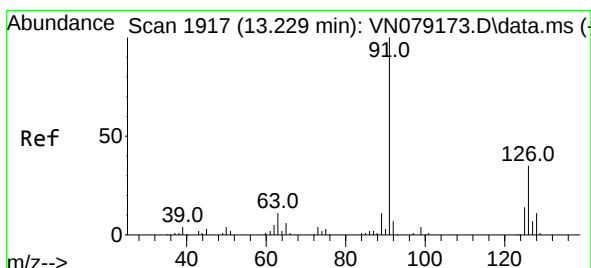
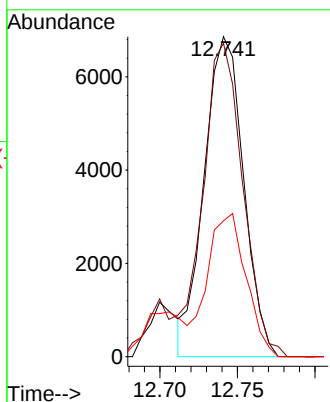
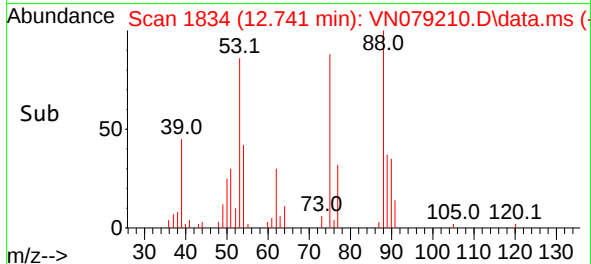
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



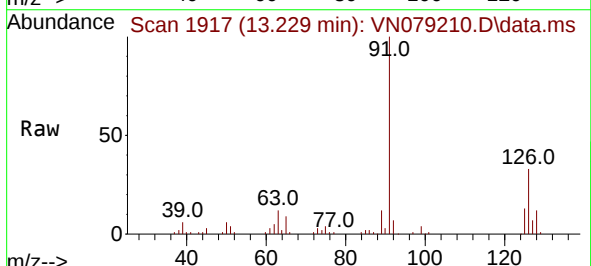
Tgt Ion: 75 Resp: 1211
Ion Ratio Lower Upper
75 100
53 94.8 44.1 132.4
89 42.5 22.4 67.3

Manual Integrations
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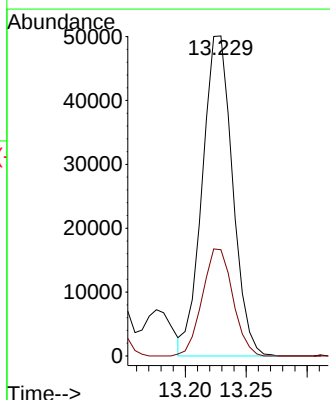
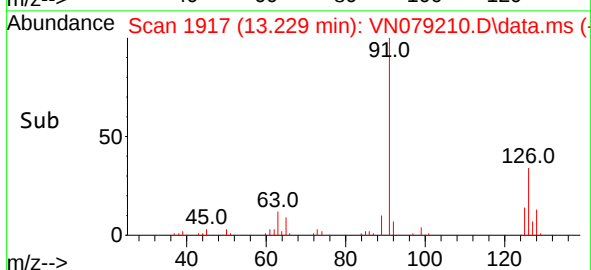
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

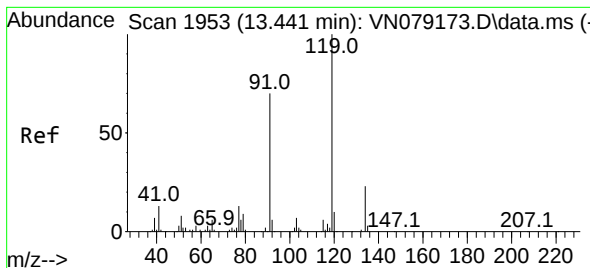


#78
4-Chlorotoluene
Concen: 19.795 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08



Tgt Ion: 91 Resp: 86651
Ion Ratio Lower Upper
91 100
126 33.7 0.0 66.6





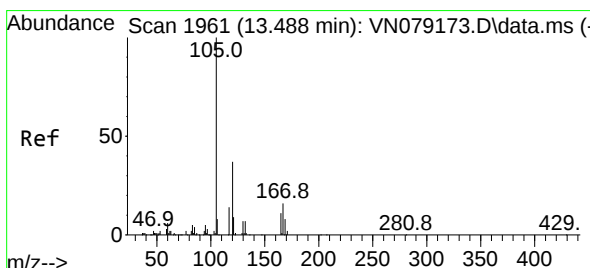
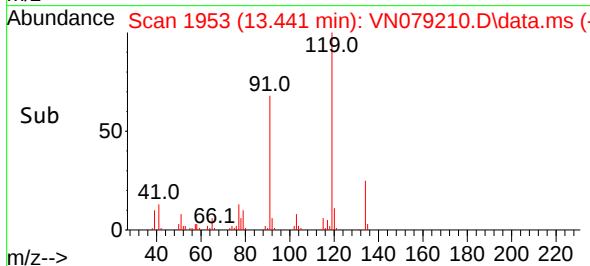
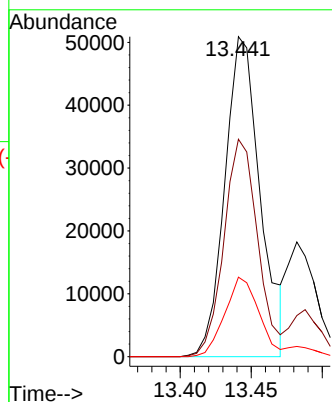
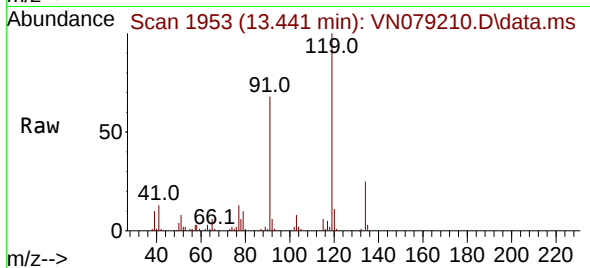
#79
tert-butylbenzene
Concen: 20.471 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:119 Resp: 8816
Ion Ratio Lower Upper
119 100
91 65.0 0.0 130.8
134 23.9 0.0 48.8

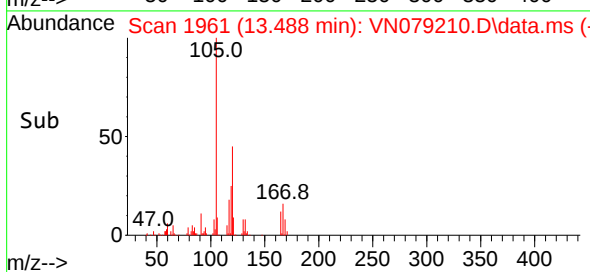
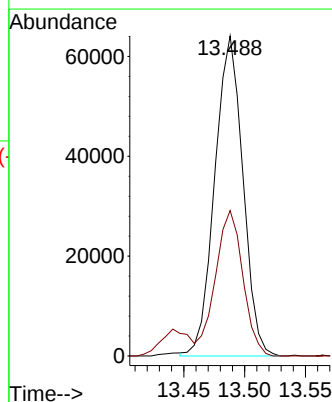
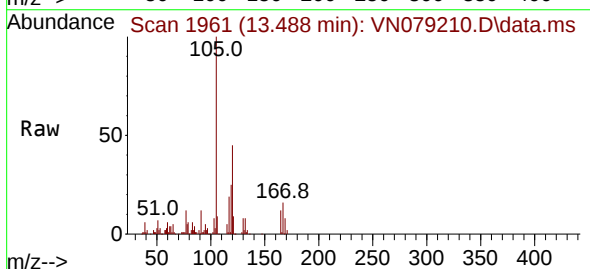
Manual Integrations
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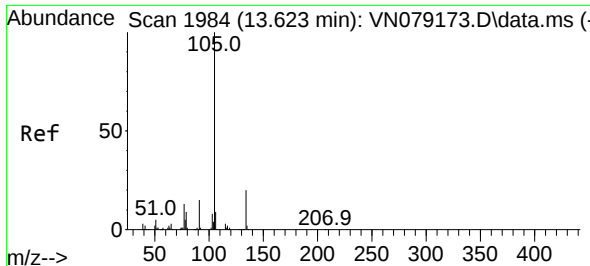
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#80
1,2,4-Trimethylbenzene
Concen: 20.559 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

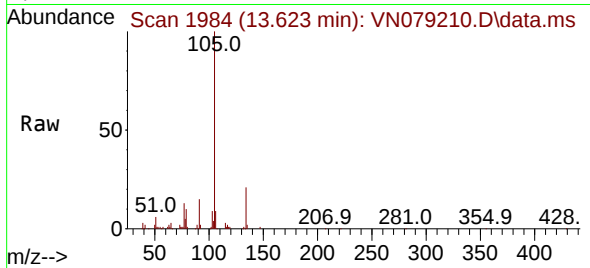
Tgt Ion:105 Resp: 103017
Ion Ratio Lower Upper
105 100
120 44.4 0.0 90.0





#81
 sec-Butylbenzene
 Concen: 20.367 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

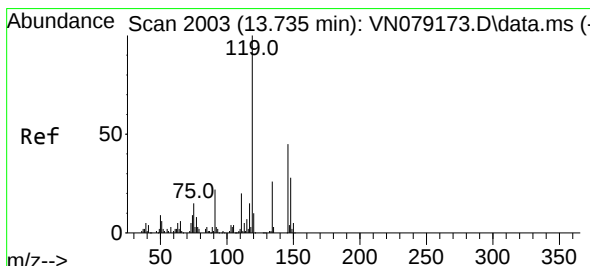
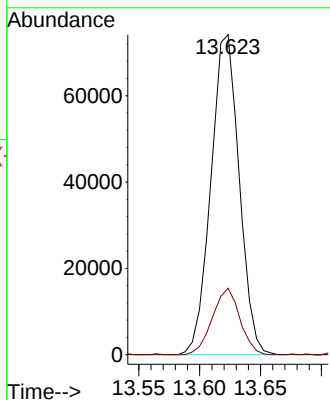
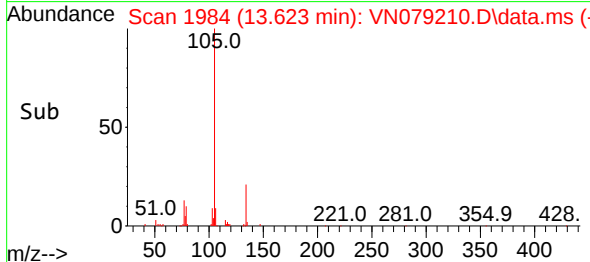
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01



Tgt Ion:105 Resp: 120014
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 38.6

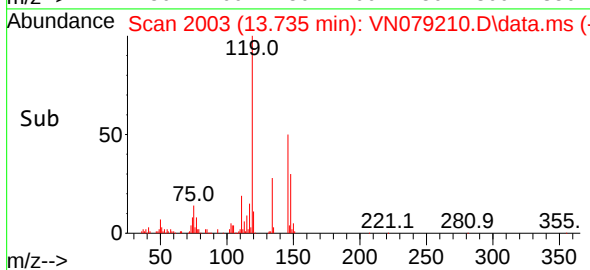
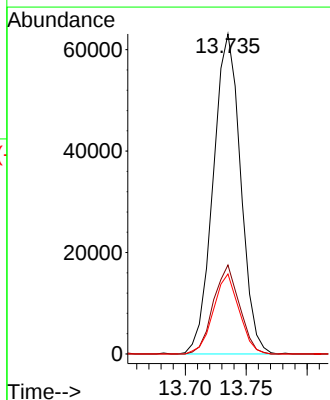
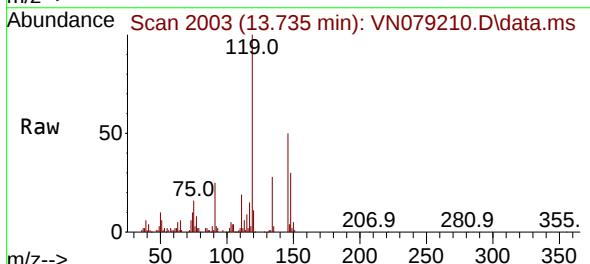
Manual Integrations
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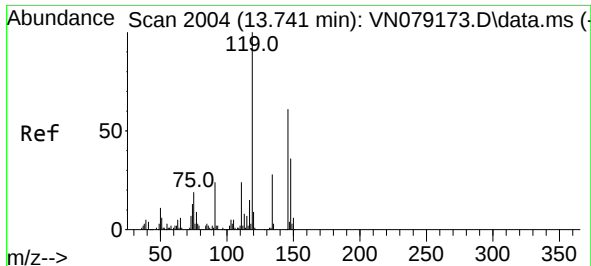
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#82
 p-Isopropyltoluene
 Concen: 21.245 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079210.D
 Acq: 11 Sep 2023 11:08

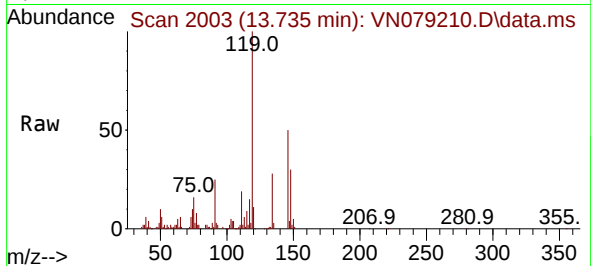
Tgt Ion:119 Resp: 98884
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.8
 91 23.5 0.0 48.0





#83
1,3-Dichlorobenzene
Concen: 21.165 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

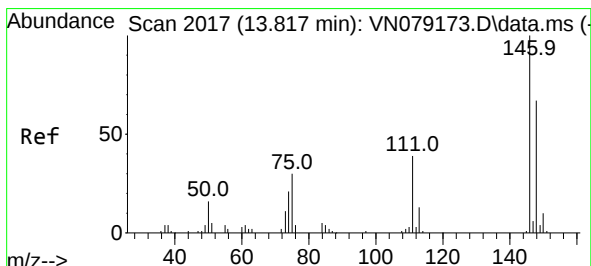
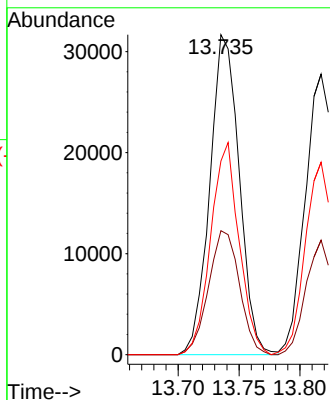
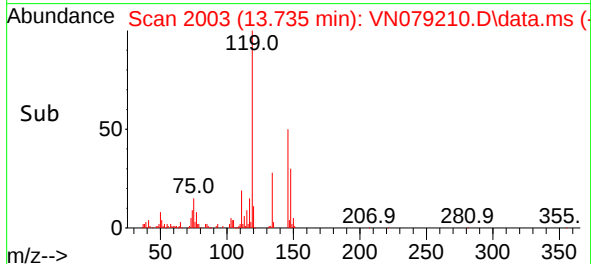
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01



Tgt Ion:146 Resp: 53279
Ion Ratio Lower Upper
146 100
111 40.8 20.5 61.5
148 64.0 31.8 95.3

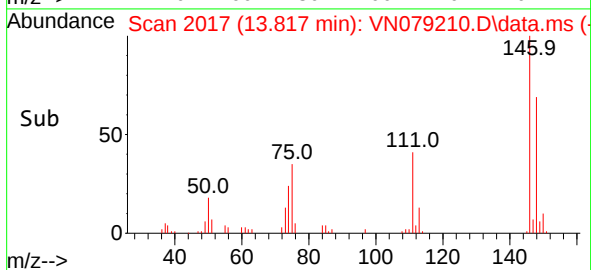
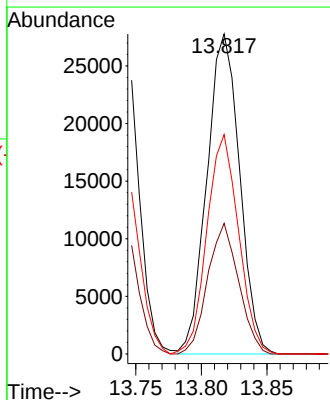
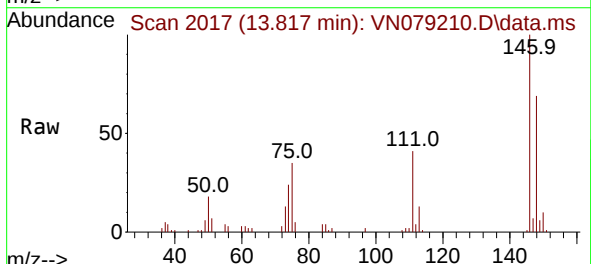
Manual Integrations
APPROVED

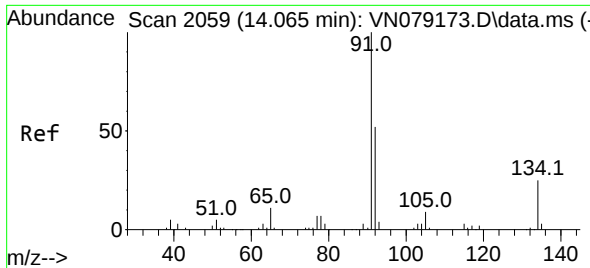
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#84
1,4-Dichlorobenzene
Concen: 20.429 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:146 Resp: 48230
Ion Ratio Lower Upper
146 100
111 38.7 19.5 58.5
148 66.3 32.1 96.5





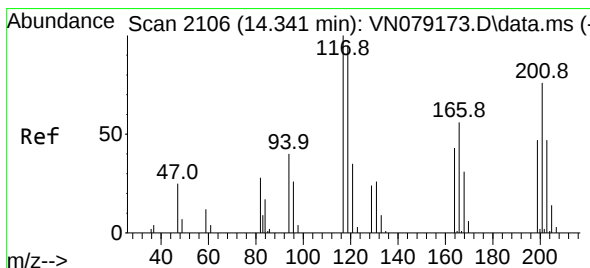
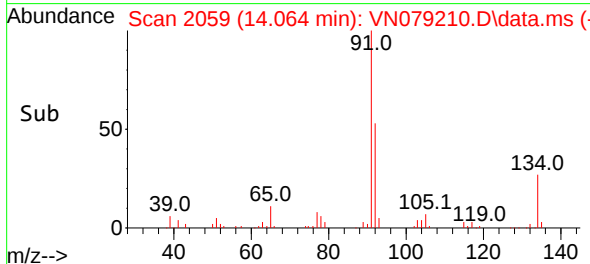
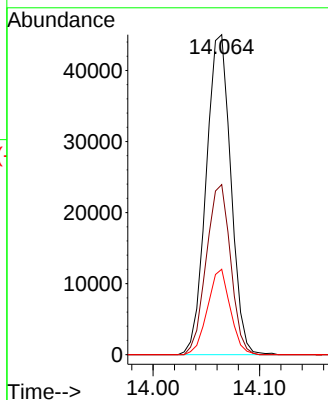
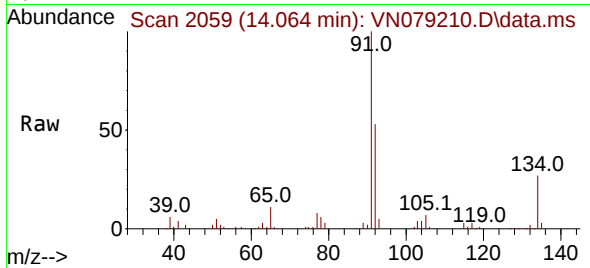
#85
n-Butylbenzene
Concen: 20.465 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. -0.001 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 91 Resp: 72549
Ion Ratio Lower Upper
91 100
92 52.4 0.0 105.0
134 24.7 0.0 49.6

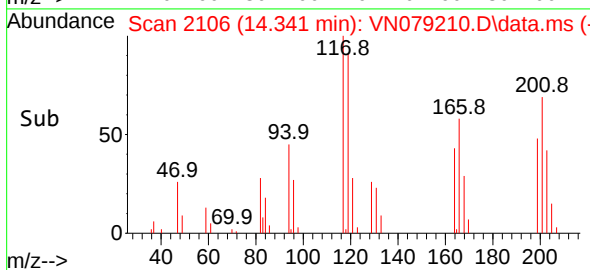
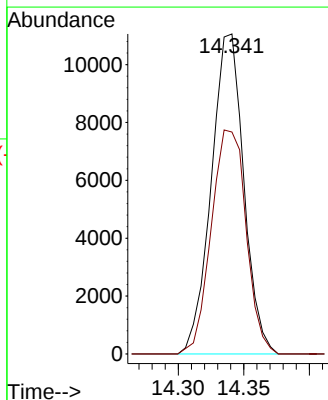
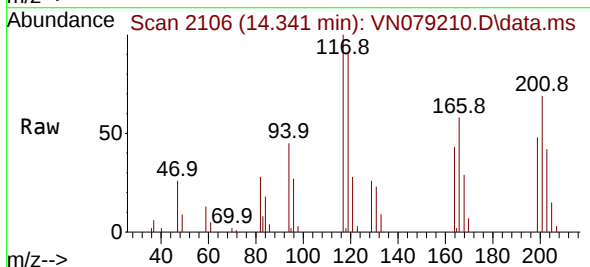
Manual Integrations
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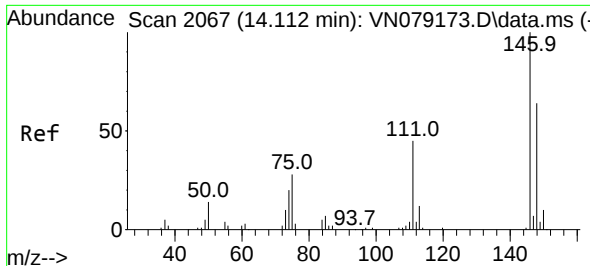
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#86
Hexachloroethane
Concen: 20.712 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:117 Resp: 19087
Ion Ratio Lower Upper
117 100
201 74.9 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 21.074 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. -0.001 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion:146 Resp: 52354

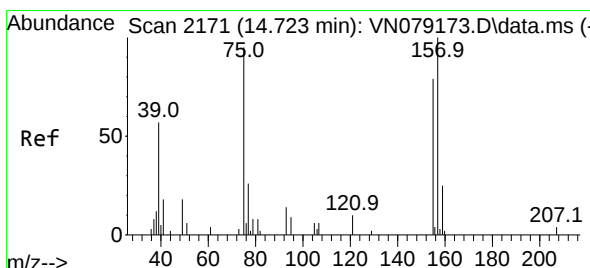
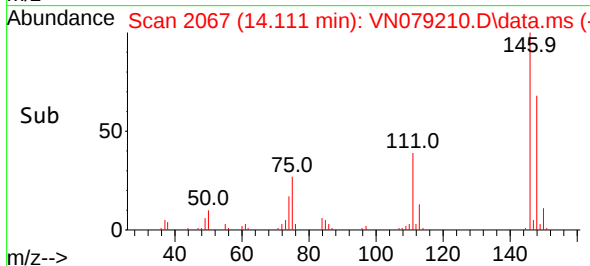
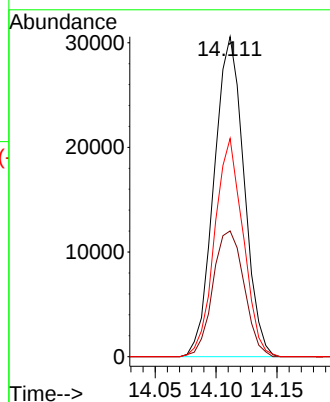
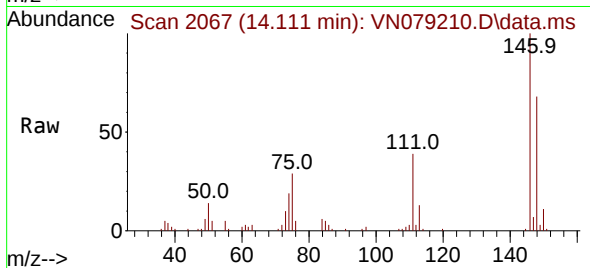
Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.5	64.5
148	64.9	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.067 ug/l

RT: 14.723 min Scan# 2171

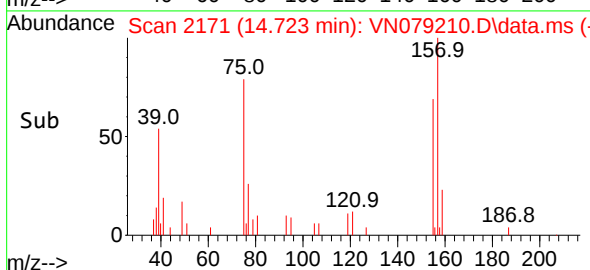
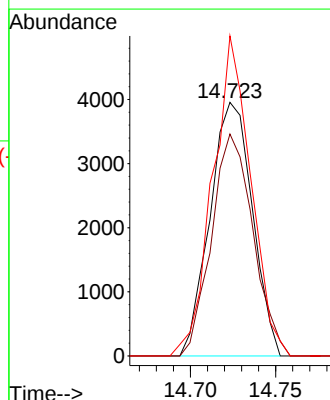
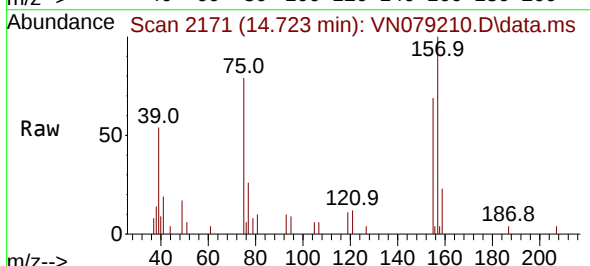
Delta R.T. 0.000 min

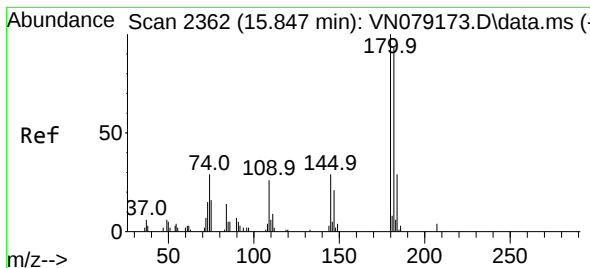
Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Tgt Ion: 75 Resp: 6848

Ion	Ratio	Lower	Upper
75	100		
155	85.6	68.1	102.1
157	113.2	83.9	125.9





#89

1,2,4-Trichlorobenzene

Concen: 17.853 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

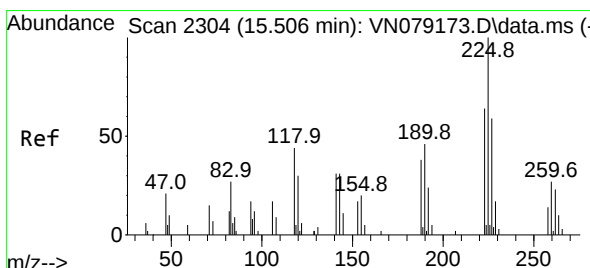
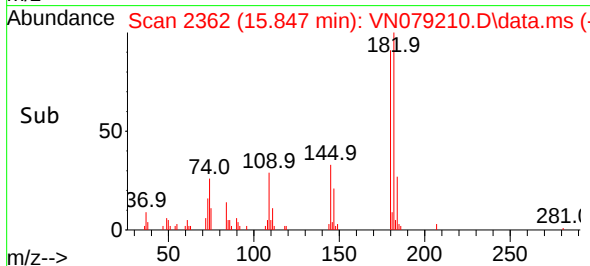
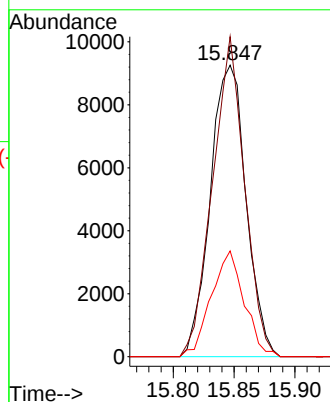
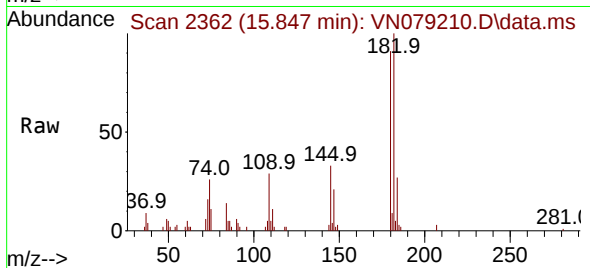
Tgt Ion:180	Resp:	18979
Ion Ratio	Lower	Upper
180	100	
182	98.1	74.5 111.7
145	33.4	26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachlorobutadiene

Concen: 19.843 ug/l

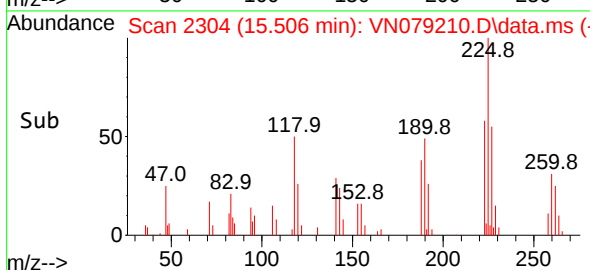
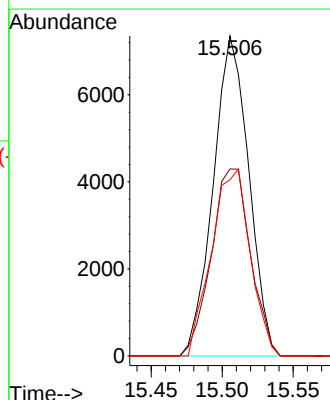
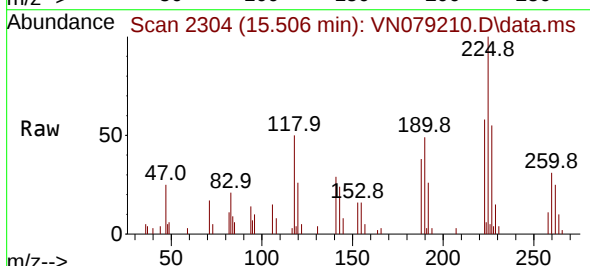
RT: 15.506 min Scan# 2304

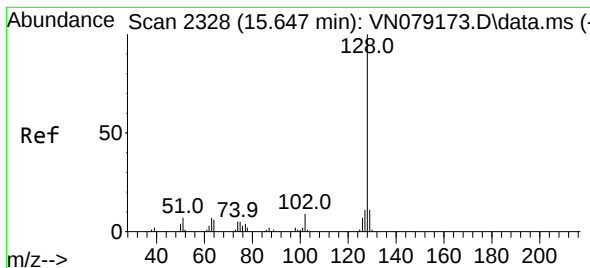
Delta R.T. -0.001 min

Lab File: VN079210.D

Acq: 11 Sep 2023 11:08

Tgt Ion:225	Resp:	12813
Ion Ratio	Lower	Upper
225	100	
223	64.5	0.0 125.6
227	63.4	0.0 124.0





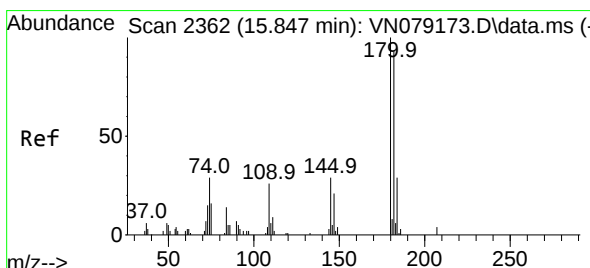
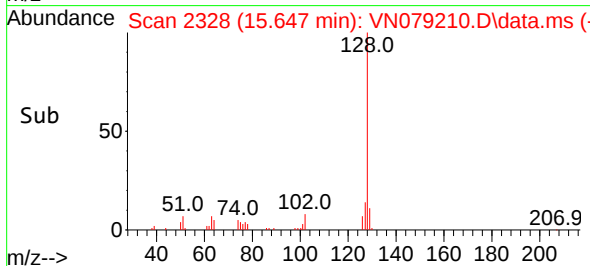
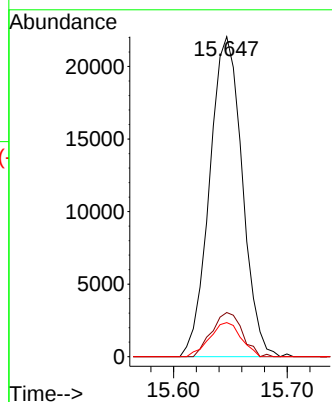
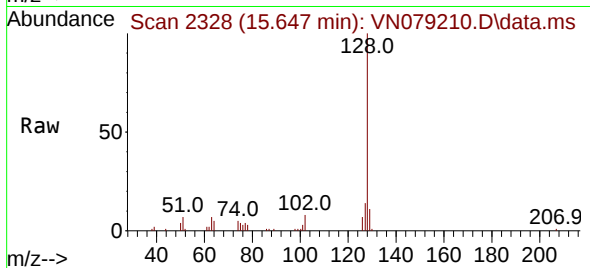
#91
Naphthalene
Concen: 15.830 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:128 Resp: 43974
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.3 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#92
1,2,3-Trichlorobenzene
Concen: 17.853 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN079210.D
Acq: 11 Sep 2023 11:08

Tgt Ion:180 Resp: 18979
Ion Ratio Lower Upper
180 100
182 98.1 0.0 186.2
145 33.4 0.0 65.4

