

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079597.D
 Acq On : 18 Oct 2023 13:01
 Operator : JC\MD
 Sample : VN1018WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 19 06:13:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	21128	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	154940	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	190258	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87878	29.254	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.500%
60) 4-Bromofluorobenzene	12.853	95	106850	30.710	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.367%
63) Toluene-d8	10.570	98	245013	30.053	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.167%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	59759	19.504	ug/l	94
3) Chloromethane	2.365	50	73132	18.416	ug/l	97
4) Vinyl Chloride	2.518	62	82501	19.249	ug/l	96
5) Bromomethane	2.959	94	47675	17.941	ug/l	98
6) Chloroethane	3.124	64	54095	17.932	ug/l	94
7) Trichlorofluoromethane	3.506	101	102207	19.543	ug/l	96
8) Diethyl Ether	3.965	74	35921	18.951	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	56544	18.897	ug/l	99
10) 1,1-Dichloroethene	4.347	96	54280	19.067	ug/l	90
11) Methyl Iodide	4.594	142	59588	18.905	ug/l	95
12) Methyl Acetate	5.030	43	130224	18.975	ug/l	98
13) Acrolein	4.183	56	59341	104.601	ug/l	96
14) Acrylonitrile	5.724	53	156455	95.197	ug/l	99
15) Acetone	4.436	58	49676	95.416	ug/l	96
16) Carbon Disulfide	4.712	76	156638	18.044	ug/l	97
17) Allyl chloride	5.030	41	81356	18.536	ug/l	98
18) Methylene Chloride	5.277	84	65858	18.795	ug/l	96
19) trans-1,2-Dichloroethene	5.794	96	60719	19.065	ug/l	96
20) Diisopropyl ether	6.677	45	200326	19.248	ug/l	96
21) 1,1-Dichloroethane	6.571	63	119994	18.974	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	69533	18.955	ug/l #	84
23) tert-Butyl Alcohol	5.536	59	46861	85.268	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	180345	18.881	ug/l #	79
25) Chloroform	7.971	83	124338	19.458	ug/l	88
26) Cyclohexane	8.265	56	87623	18.329	ug/l #	95
29) 1,1-Dichloropropene	8.377	75	91050	20.109	ug/l	98
30) 2-Butanone	7.488	43	221246	97.480	ug/l	99
31) 2,2-Dichloropropane	7.500	77	98038	19.204	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	106062	19.708	ug/l	97
33) Carbon Tetrachloride	8.371	117	90926	19.866	ug/l	96
34) Benzene	8.612	78	271817	19.759	ug/l	99
35) Methacrylonitrile	7.782	41	45981	19.259	ug/l	93
36) 1,2-Dichloroethane	8.671	62	95562	19.455	ug/l	99
37) Trichloroethene	9.359	130	62792	19.527	ug/l	95
38) Methylcyclohexane	9.606	83	81235	18.634	ug/l	98
39) 1,2-Dichloropropane	9.623	63	72480	19.965	ug/l	100
40) Dibromomethane	9.712	93	47826	20.074	ug/l	97
41) Bromodichloromethane	9.894	83	99805	20.214	ug/l	96
42) Vinyl Acetate	6.612	43	549899	95.511	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	88712m	20.786	ug/l	
44) Isopropyl Acetate	8.694	43	140781	18.556	ug/l	98
45) 1,4-Dioxane	9.700	88	23437	394.651	ug/l #	91
46) Methyl methacrylate	9.682	41	54797	16.281	ug/l	91
47) n-amyl Acetate	12.500	43	102683	18.753	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	94844	19.001	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	107249	19.650	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	65949	19.953	ug/l	98
51) Ethyl methacrylate	10.876	69	87437	19.174	ug/l	97
52) 1,3-Dichloropropane	11.165	76	115195	19.673	ug/l	98
53) Dibromochloromethane	11.365	129	66605	19.717	ug/l	99
54) 1,2-Dibromoethane	11.470	107	61516	18.865	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	175940	101.124	ug/l	99
56) Bromoform	12.582	173	42578	19.053	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	439926	99.134	ug/l	100
59) 2-Hexanone	11.200	43	314316	96.545	ug/l	100
61) Tetrachloroethene	11.106	164	51686	19.786	ug/l	97
62) Toluene	10.635	91	288708	19.855	ug/l	99
64) Chlorobenzene	11.894	112	163852	19.429	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	63143	19.655	ug/l	96
66) Ethyl Benzene	11.970	91	292493	19.523	ug/l	98
67) m/p-Xylenes	12.076	106	224518	40.518	ug/l	96
68) o-Xylene	12.406	106	104996	19.821	ug/l	98
69) Styrene	12.412	104	169905	20.204	ug/l	97
70) Isopropylbenzene	12.700	105	268760	19.770	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	97808	20.234	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	83470m	19.015	ug/l	
73) Bromobenzene	12.982	156	63718	19.952	ug/l	98
74) n-propylbenzene	13.041	91	322110	20.352	ug/l	100
75) 2-Chlorotoluene	13.129	91	196041	19.924	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	224099	20.165	ug/l	97
77) t-1,4-Dichloro-2-butene	12.741	75	24766	18.485	ug/l	96
78) 4-Chlorotoluene	13.223	91	186571	20.069	ug/l	99
79) tert-butylbenzene	13.441	119	173675	19.437	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	219167	20.353	ug/l	99
81) sec-Butylbenzene	13.623	105	254166	20.262	ug/l	100
82) p-Isopropyltoluene	13.735	119	200759	20.176	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	109217	20.798	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	98531	19.572	ug/l	99
85) n-Butylbenzene	14.059	91	148987	19.164	ug/l	99
86) Hexachloroethane	14.335	117	40589	18.869	ug/l	100
87) 1,2-Dichlorobenzene	14.111	146	104040	19.932	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.729	75	14234	19.325	ug/l	98
89) 1,2,4-Trichlorobenzene	15.847	180	32810	17.834	ug/l	96
90) Hexachlorobutadiene	15.505	225	24620	18.893	ug/l	99
91) Naphthalene	15.647	128	72246	15.223	ug/l	97
92) 1,2,3-Trichlorobenzene	15.847	180	32810	17.834	ug/l	96

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

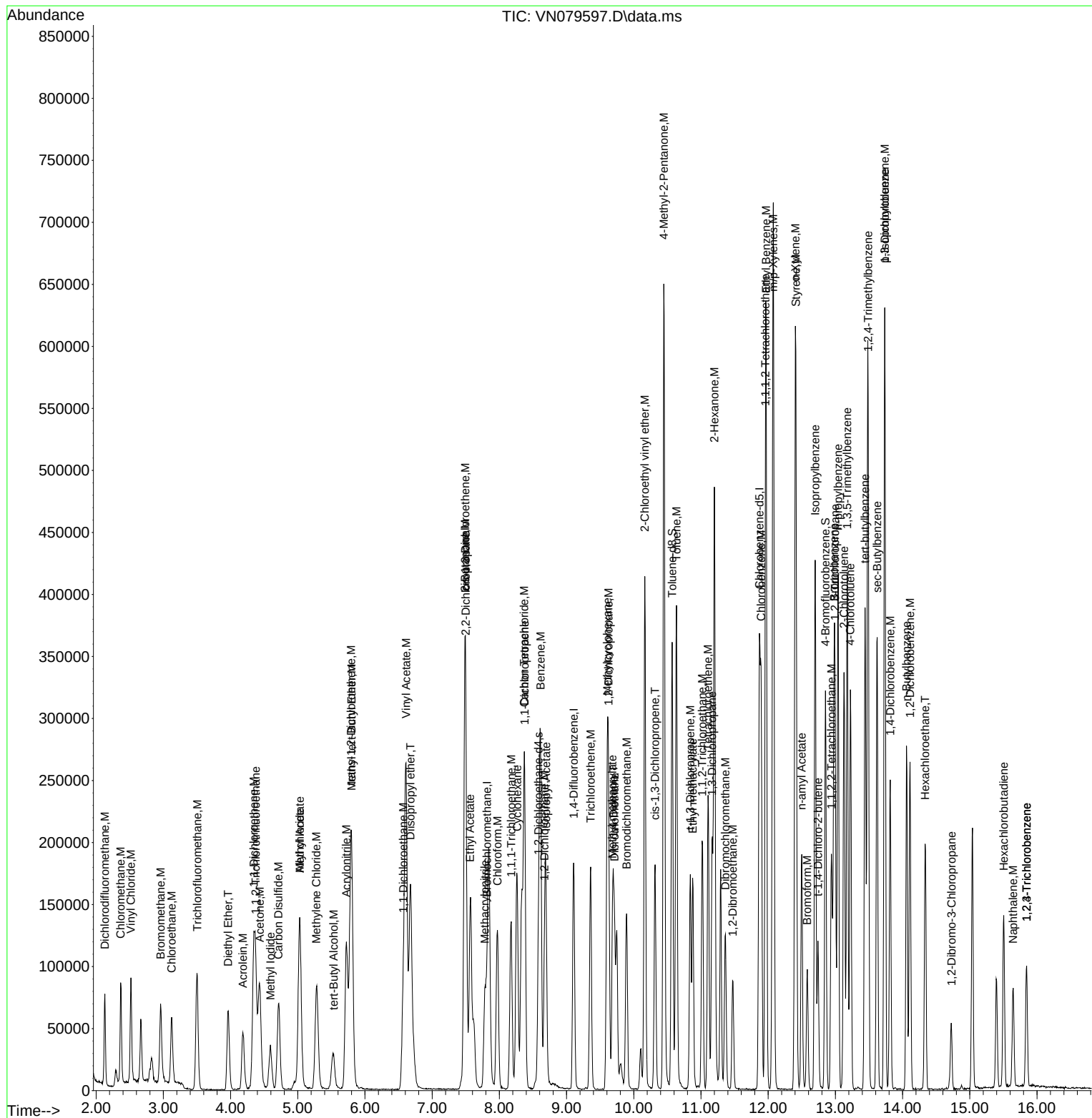
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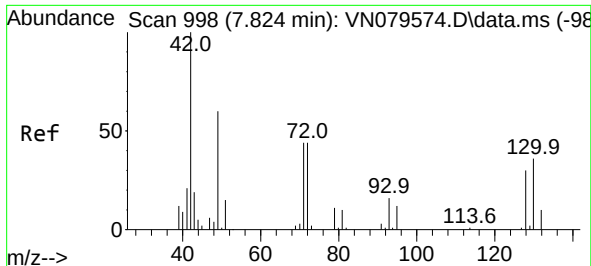
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Manual Integrations
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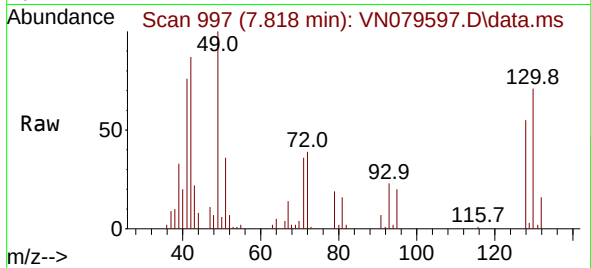
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

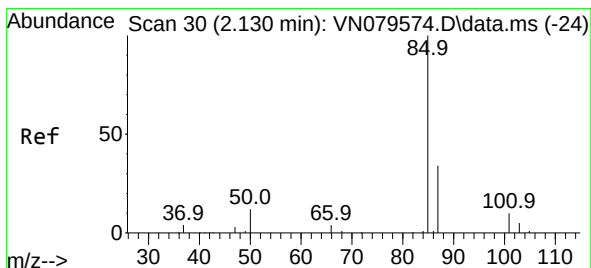
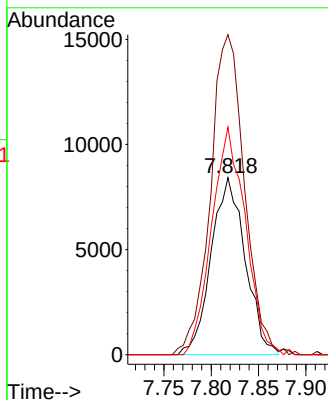
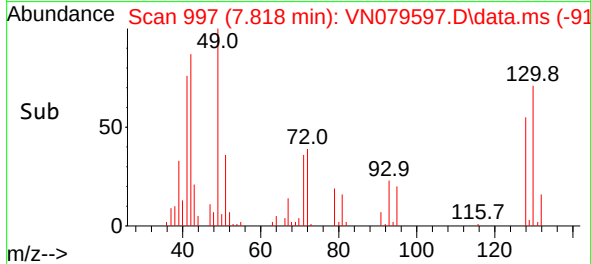
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



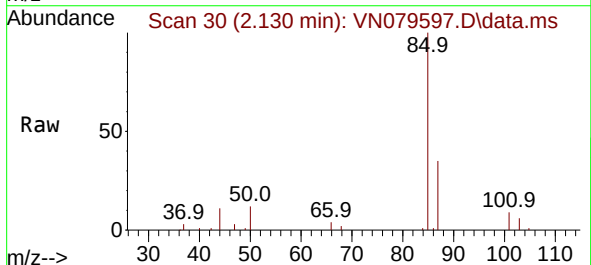
Tgt Ion:128 Resp: 21128
Ion Ratio Lower Upper
128 100
49 179.7 0.0 468.5
130 127.2 0.0 320.7

Manual Integrations
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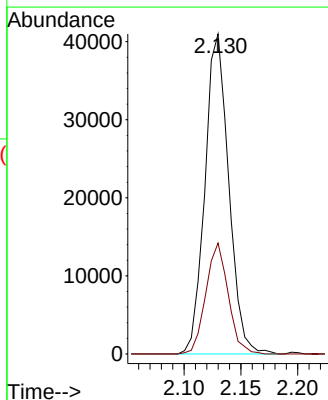
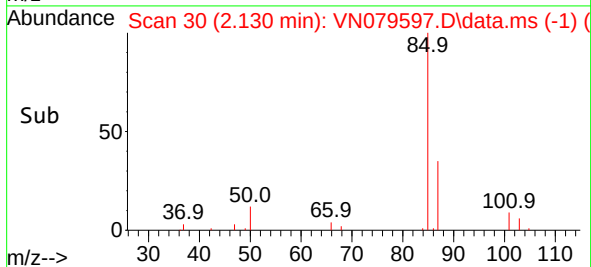
Reviewed By :John Carlone 10/19/2023
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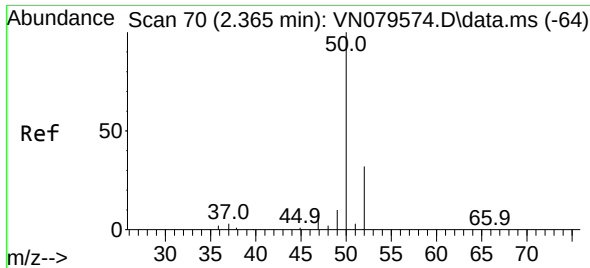


#2
Dichlorodifluoromethane
Concen: 19.504 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



Tgt Ion: 85 Resp: 59759
Ion Ratio Lower Upper
85 100
87 34.7 15.6 46.7





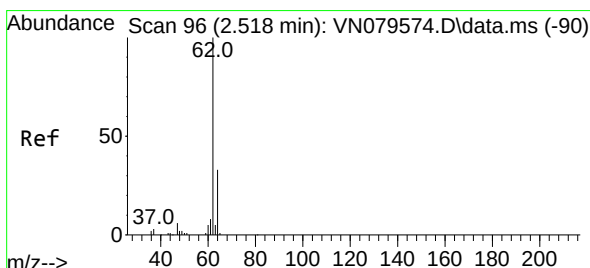
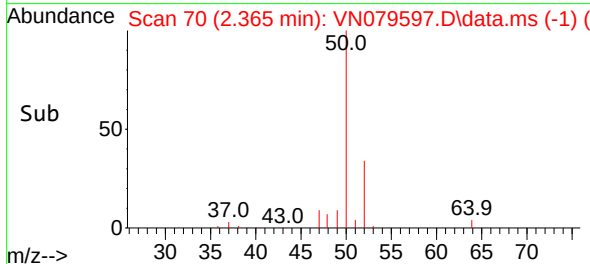
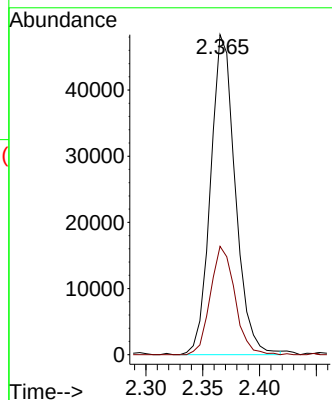
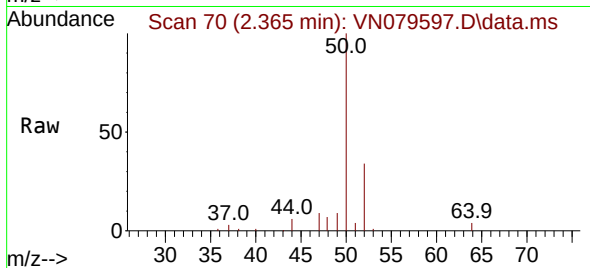
#3
Chloromethane
Concen: 18.416 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

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Tgt Ion: 50 Resp: 73132
Ion Ratio Lower Upper
50 100
52 33.8 25.6 38.4

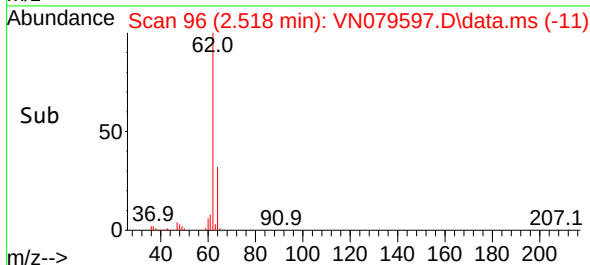
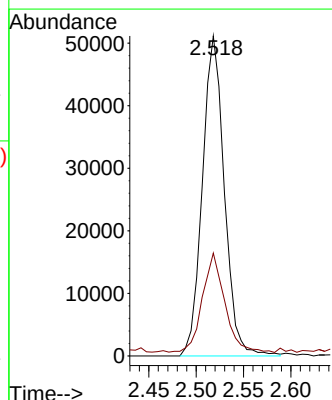
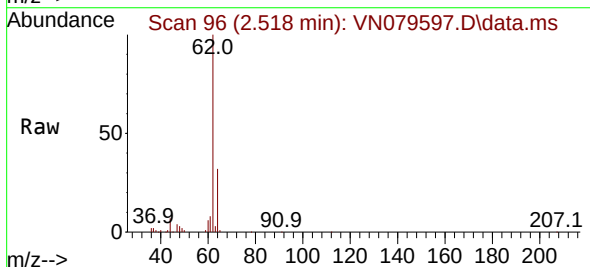
Manual Integrations
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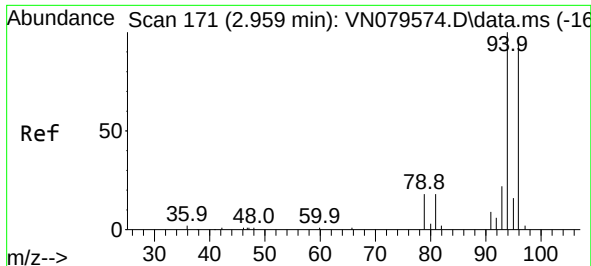
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#4
Vinyl Chloride
Concen: 19.249 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

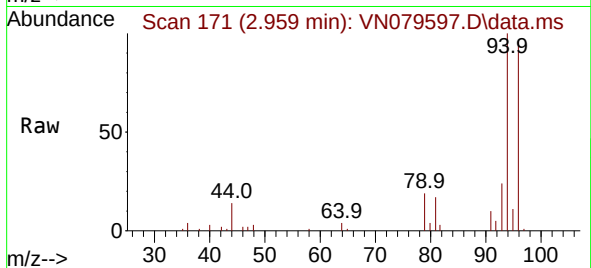
Tgt Ion: 62 Resp: 82501
Ion Ratio Lower Upper
62 100
64 30.7 26.4 39.6





#5
Bromomethane
Concen: 17.941 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

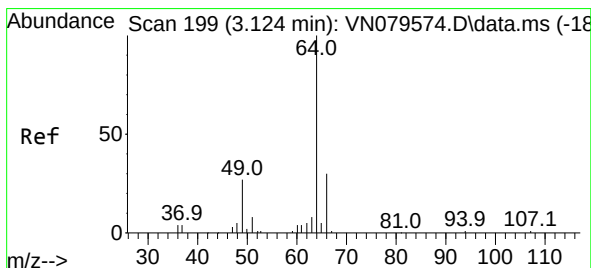
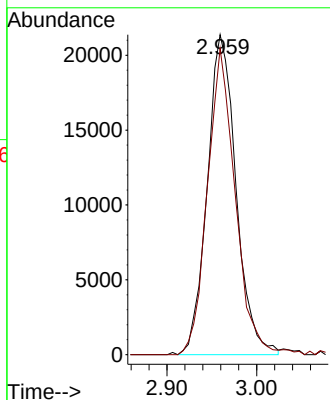
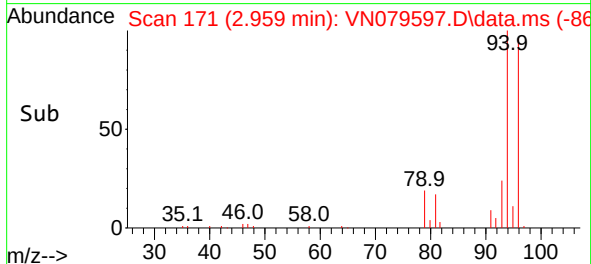
Instrument :
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Tgt Ion: 94 Resp: 47675
Ion Ratio Lower Upper
94 100
96 95.7 77.8 116.6

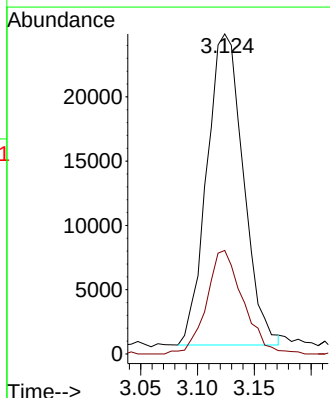
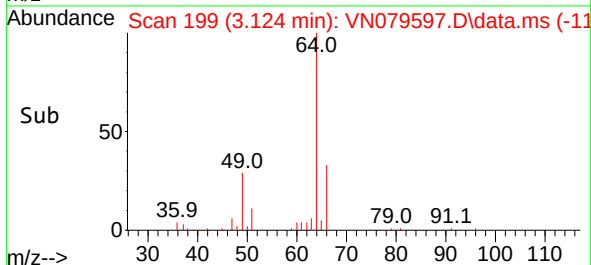
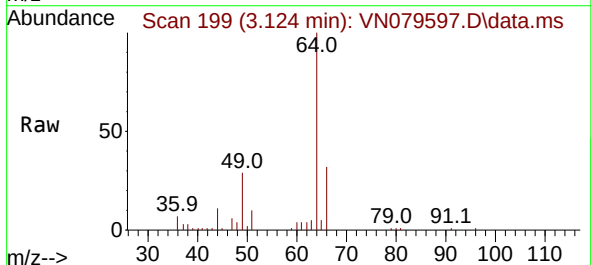
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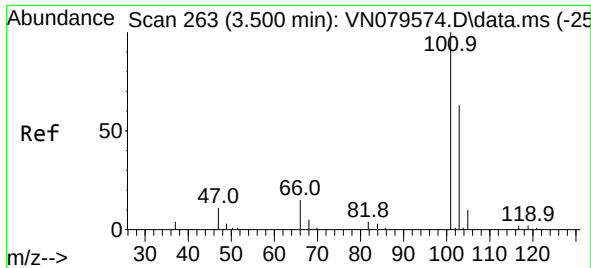
Reviewed By :John Carlone 10/19/2023
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#6
Chloroethane
Concen: 17.932 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

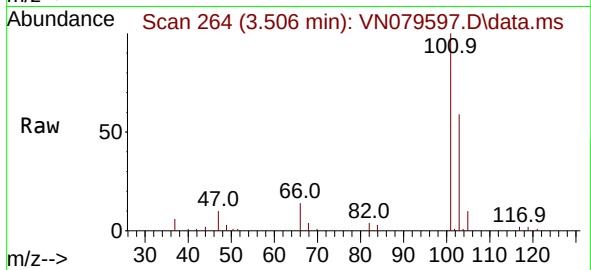
Tgt Ion: 64 Resp: 54095
Ion Ratio Lower Upper
64 100
66 32.4 23.3 34.9





#7
 Trichlorofluoromethane
 Concen: 19.543 ug/l
 RT: 3.506 min Scan# 263
 Delta R.T. 0.006 min
 Lab File: VN079597.D
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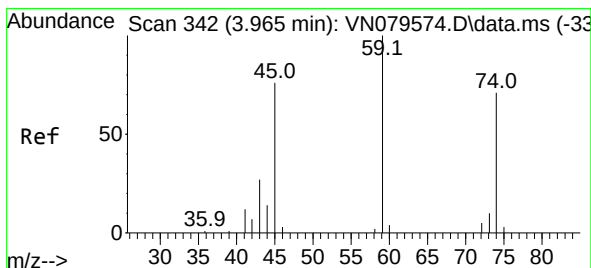
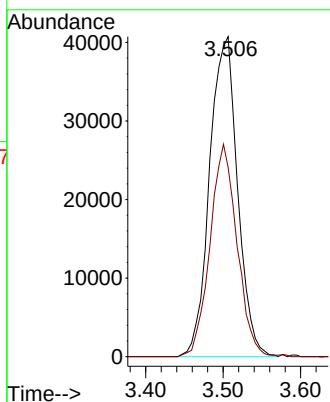
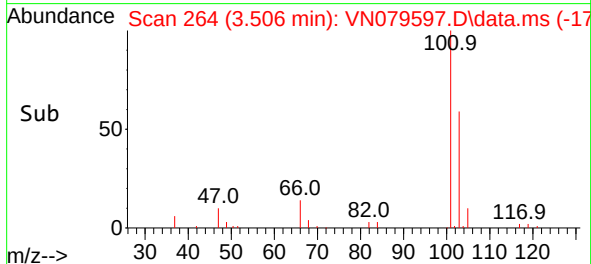
Instrument :
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Tgt Ion:101 Resp: 10220
 Ion Ratio Lower Upper
 101 100
 103 59.1 49.9 74.9

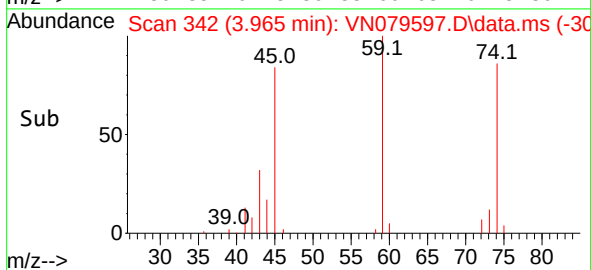
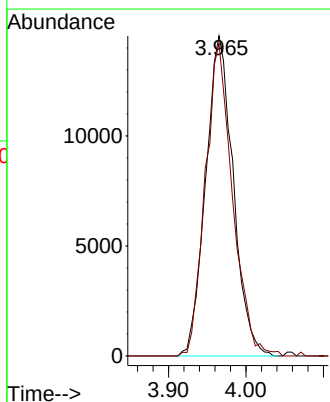
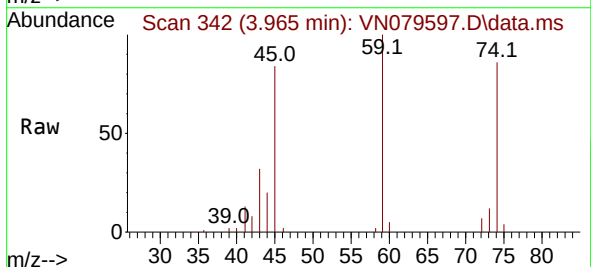
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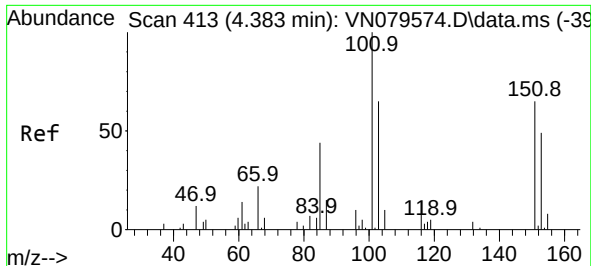
Reviewed By :John Carlone 10/19/2023
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#8
 Diethyl Ether
 Concen: 18.951 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN079597.D
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Tgt Ion: 74 Resp: 35921
 Ion Ratio Lower Upper
 74 100
 45 96.3 19.0 171.0





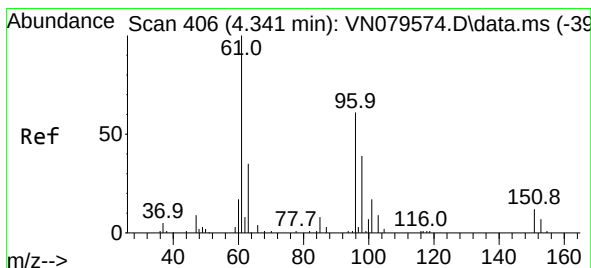
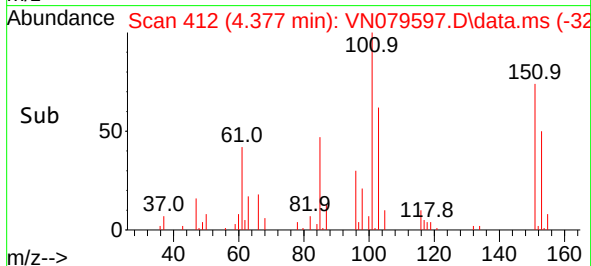
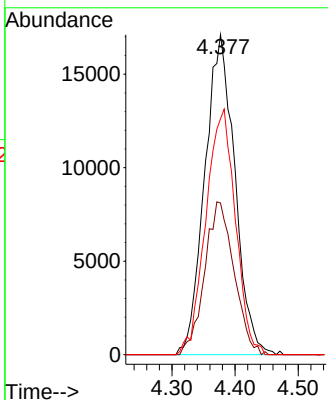
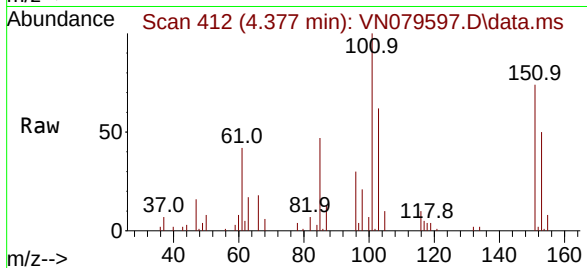
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1,1,2-Trichlorotrifluoroethane
Concen: 18.897 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN079597.D
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ClientSampleId :
VN1018WBSD01

Tgt Ion:101 Resp: 5654
Ion Ratio Lower Upper
101 100
85 46.7 0.0 92.0
151 70.4 0.0 138.4

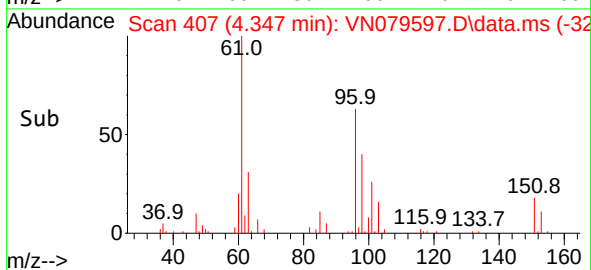
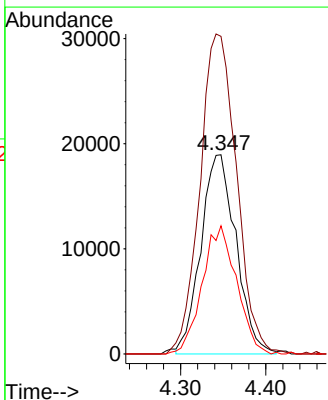
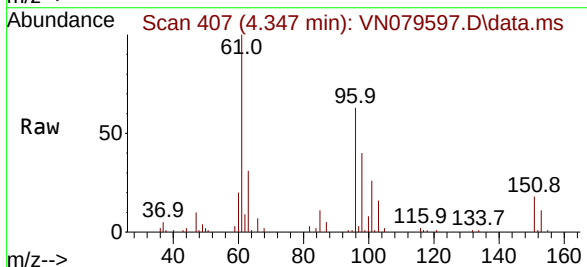
Manual Integrations
APPROVED

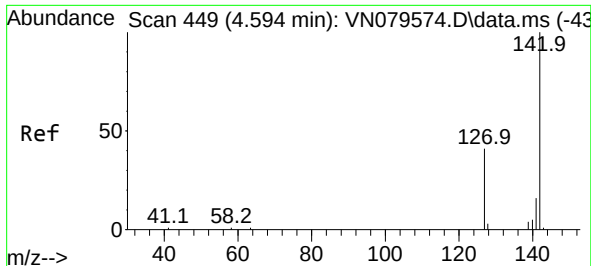
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#10
1,1-Dichloroethene
Concen: 19.067 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

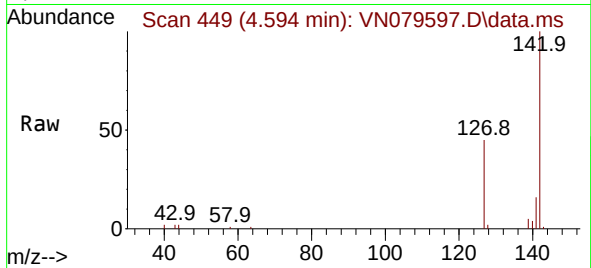
Tgt Ion: 96 Resp: 54280
Ion Ratio Lower Upper
96 100
61 159.4 141.3 211.9
98 64.2 53.2 79.8





#11
Methyl Iodide
Concen: 18.905 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

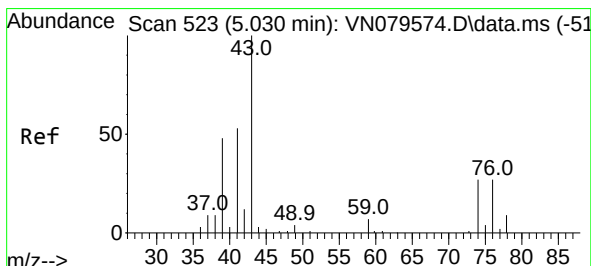
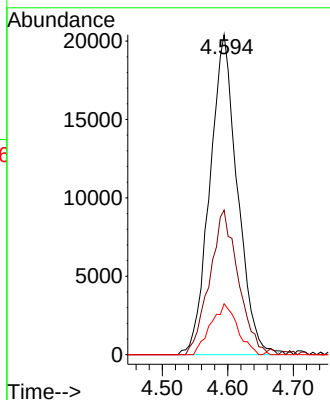
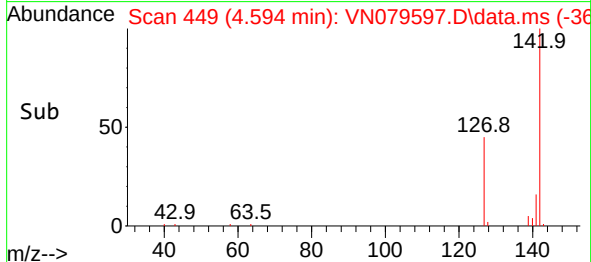
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



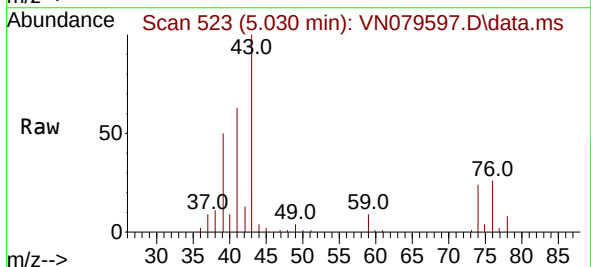
Tgt Ion:142 Resp: 5958
Ion Ratio Lower Upper
142 100
127 45.4 24.6 73.8
141 16.0 7.7 23.1

Manual Integrations
APPROVED

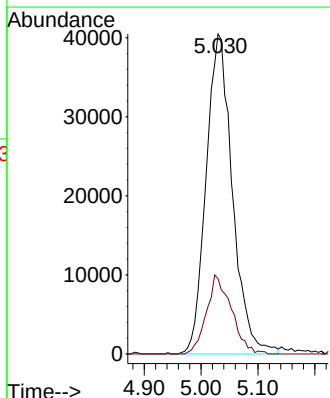
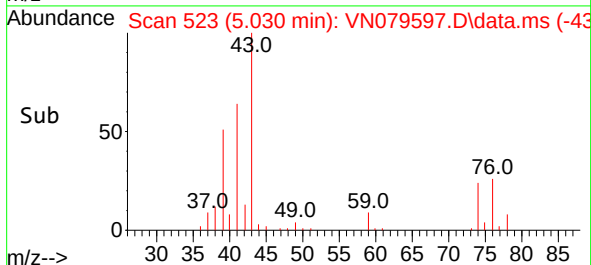
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

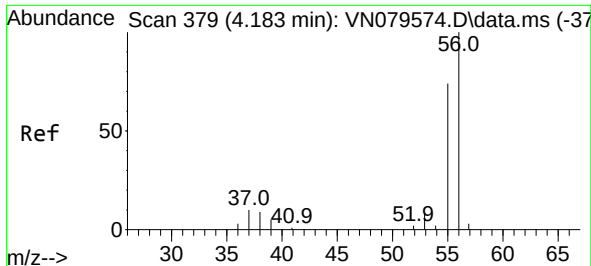


#12
Methyl Acetate
Concen: 18.975 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



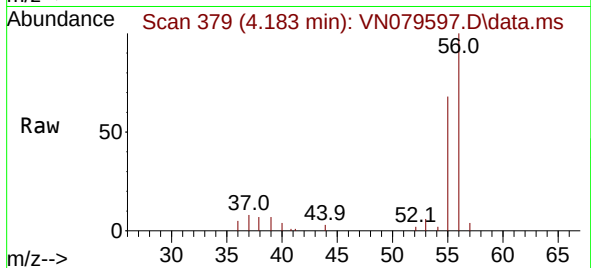
Tgt Ion: 43 Resp: 130224
Ion Ratio Lower Upper
43 100
74 23.7 18.1 27.1





#13
Acrolein
Concen: 104.601 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

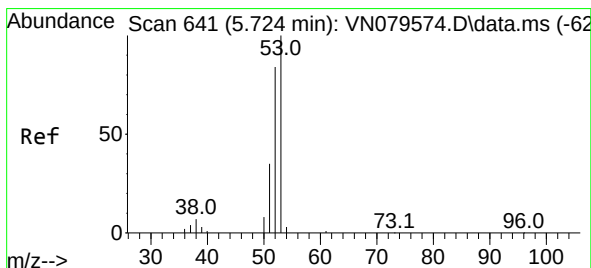
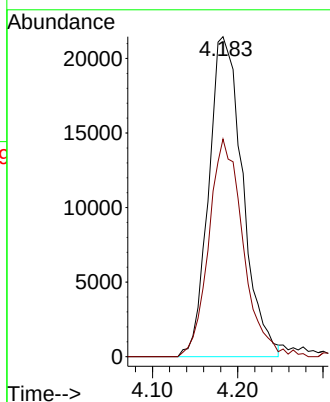
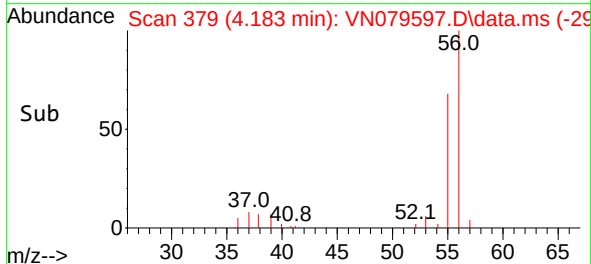
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



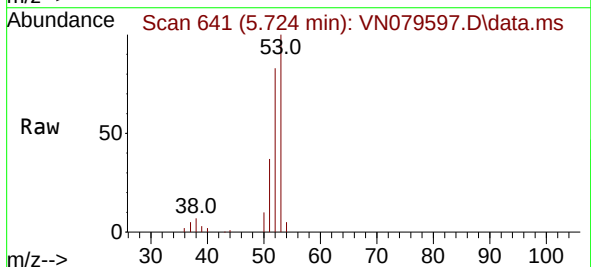
Tgt Ion: 56 Resp: 5934
Ion Ratio Lower Upper
56 100
55 68.4 57.1 85.7

Manual Integrations
APPROVED

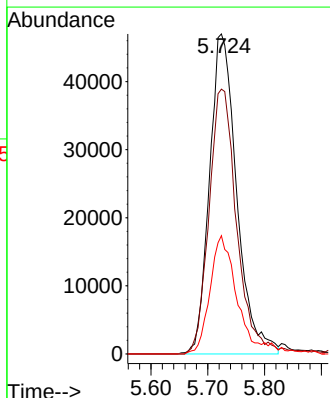
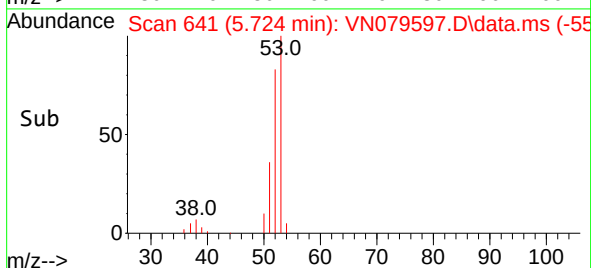
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

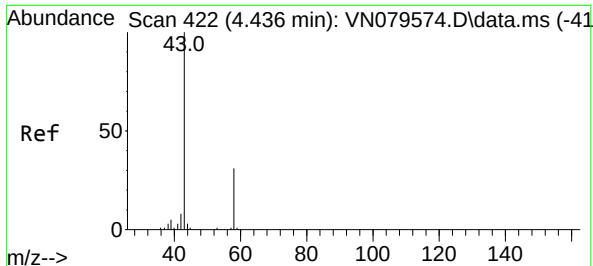


#14
Acrylonitrile
Concen: 95.197 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



Tgt Ion: 53 Resp: 156455
Ion Ratio Lower Upper
53 100
52 82.4 41.6 124.9
51 35.4 17.8 53.3





#15

Acetone

Concen: 95.416 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion: 58 Resp: 49670

Ion Ratio Lower Upper

58 100

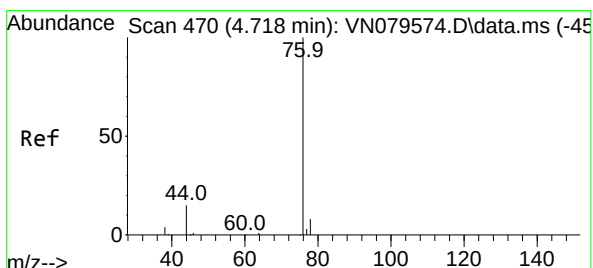
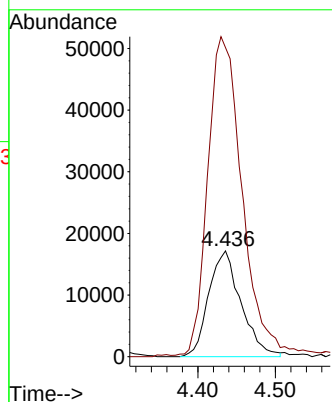
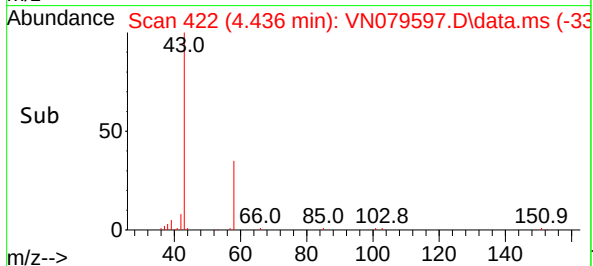
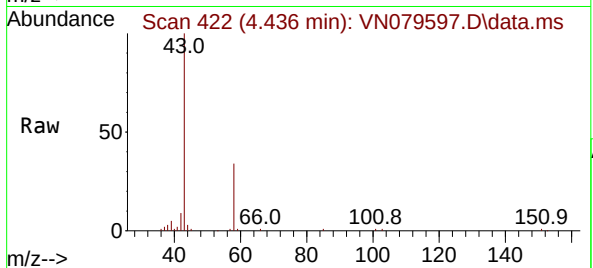
43 289.7 225.2 337.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#16

Carbon Disulfide

Concen: 18.044 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.006 min

Lab File: VN079597.D

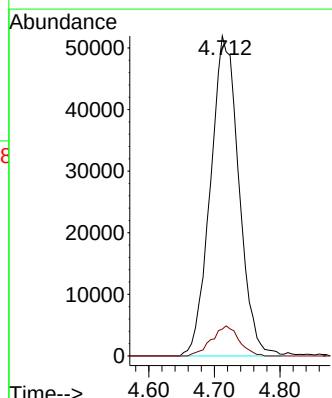
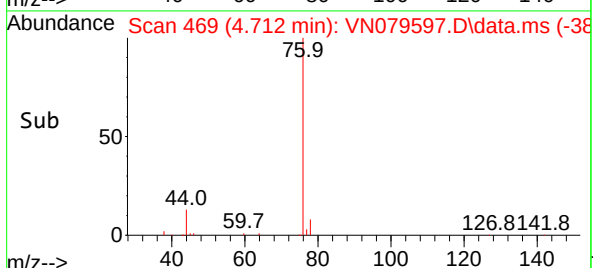
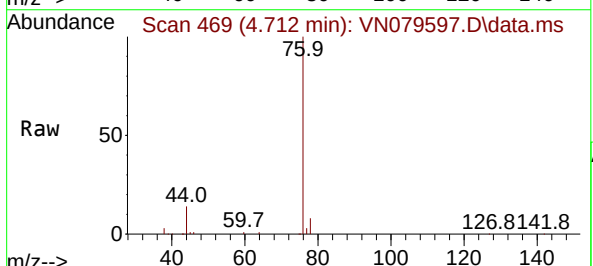
Acq: 18 Oct 2023 13:01

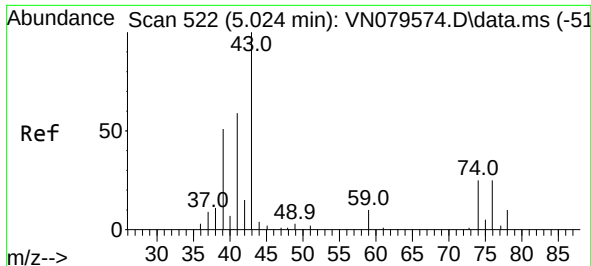
Tgt Ion: 76 Resp: 156638

Ion Ratio Lower Upper

76 100

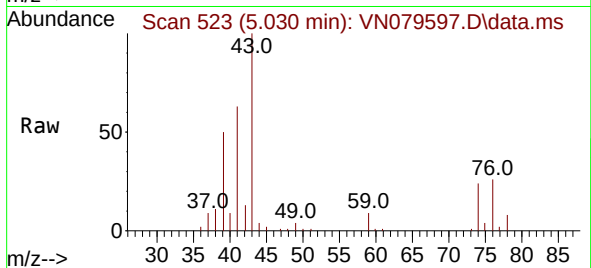
78 8.4 7.5 11.3





#17
 Allyl chloride
 Concen: 18.536 ug/l
 RT: 5.030 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

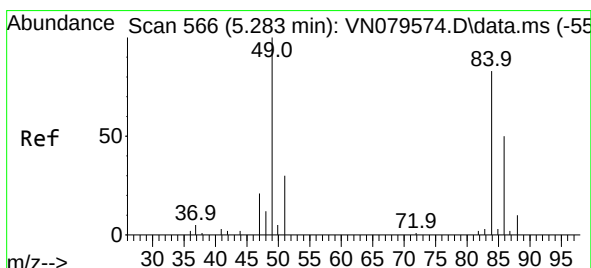
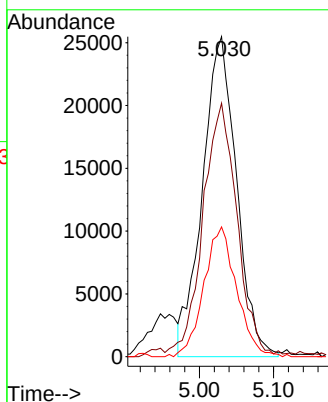
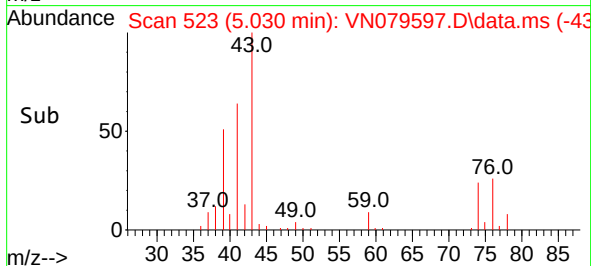
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01



Tgt Ion: 41 Resp: 81350
 Ion Ratio Lower Upper
 41 100
 39 78.3 38.4 115.2
 76 40.3 19.5 58.5

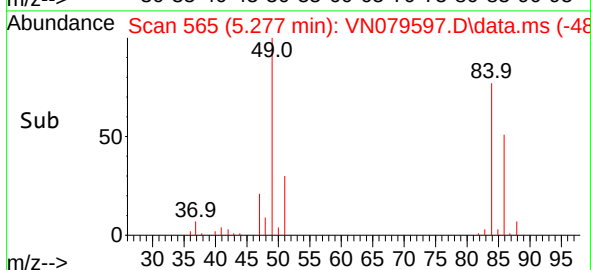
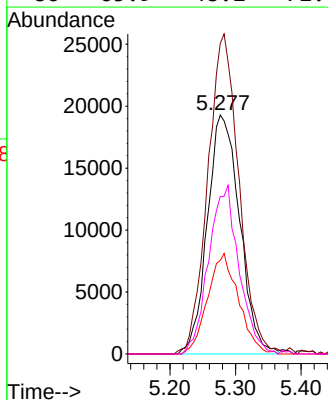
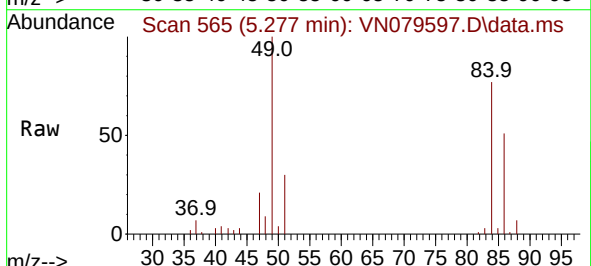
Manual Integrations
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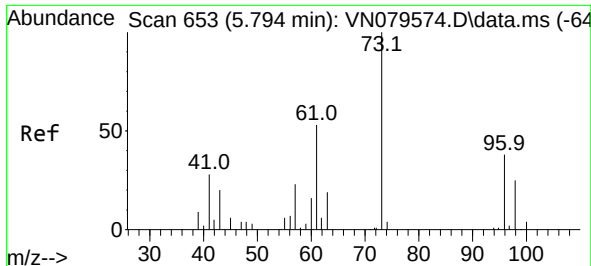
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#18
 Methylene Chloride
 Concen: 18.795 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

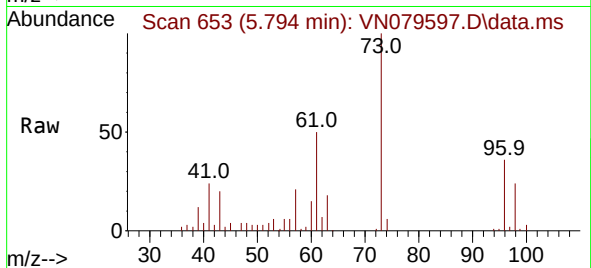
Tgt Ion: 84 Resp: 65858
 Ion Ratio Lower Upper
 84 100
 49 128.7 100.9 151.3
 51 39.2 29.4 44.2
 86 65.9 48.2 72.4





#19
trans-1,2-Dichloroethene
Concen: 19.065 ug/l
RT: 5.794 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

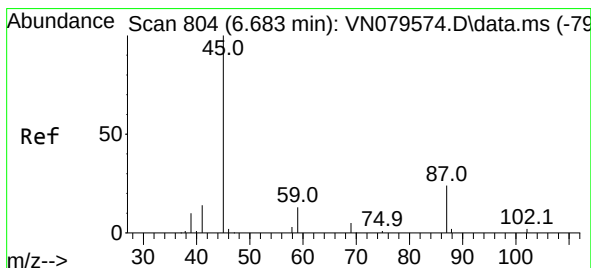
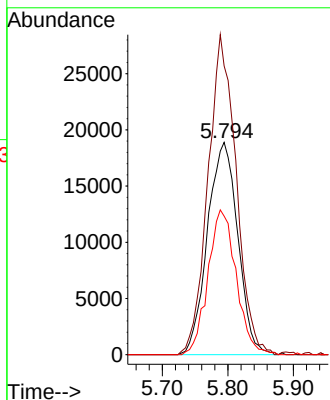
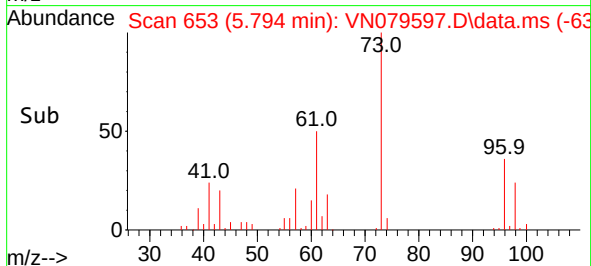
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 96 Resp: 60719
Ion Ratio Lower Upper
96 100
61 136.0 113.4 170.0
98 65.3 50.4 75.6

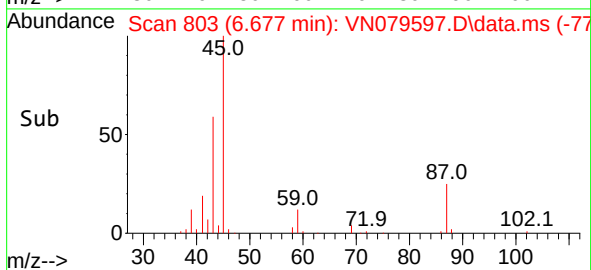
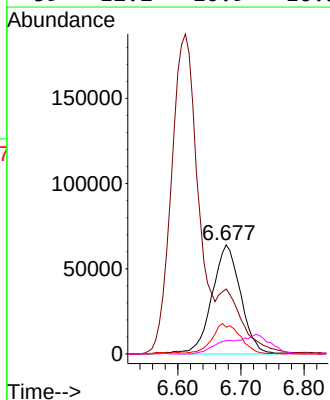
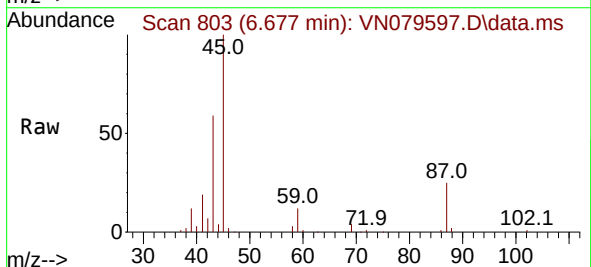
Manual Integrations
APPROVED

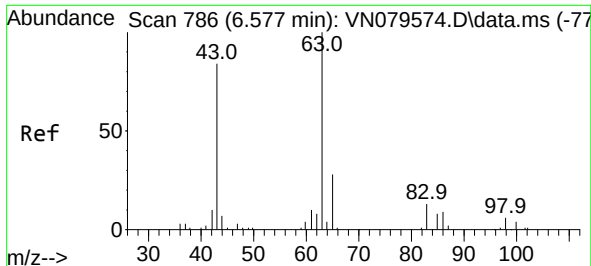
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#20
Diisopropyl ether
Concen: 19.248 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion: 45 Resp: 200326
Ion Ratio Lower Upper
45 100
43 56.5 42.1 63.1
87 24.5 20.5 30.7
59 12.2 10.9 16.3





#21

1,1-Dichloroethane

Concen: 18.974 ug/l

RT: 6.571 min Scan# 71

Delta R.T. -0.006 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion: 63 Resp: 11994

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

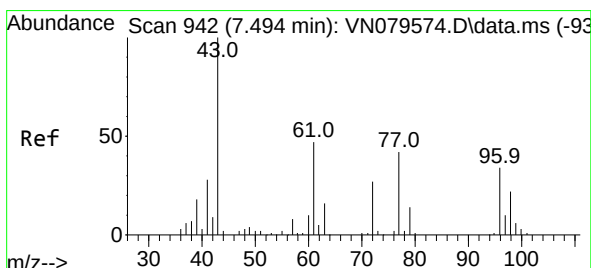
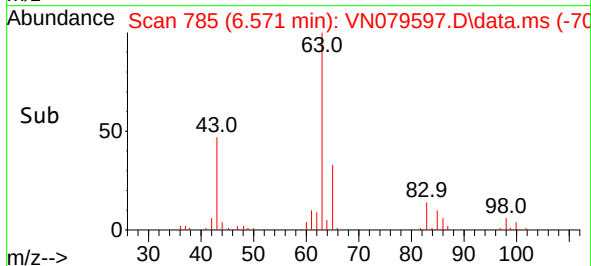
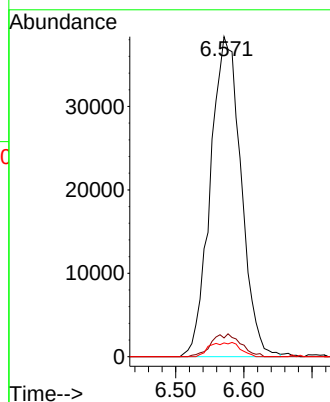
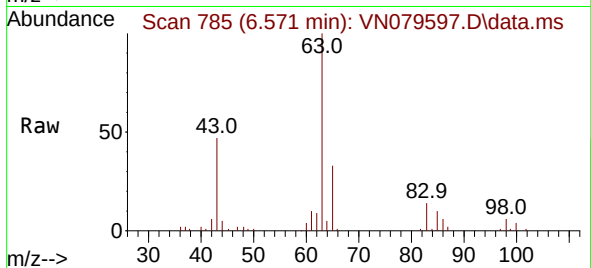
100 4.3 1.9 5.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#22

cis-1,2-Dichloroethene

Concen: 18.955 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

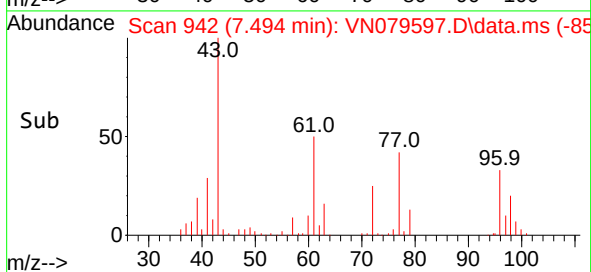
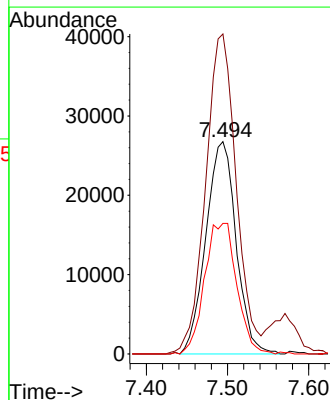
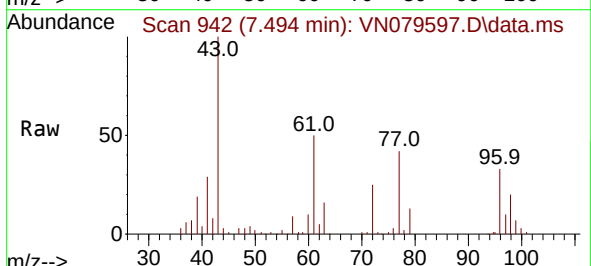
Tgt Ion: 96 Resp: 69533

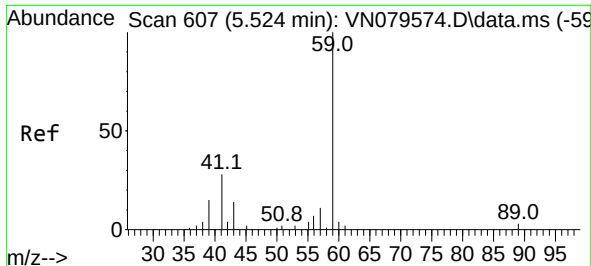
Ion Ratio Lower Upper

96 100

61 152.0 124.6 186.8

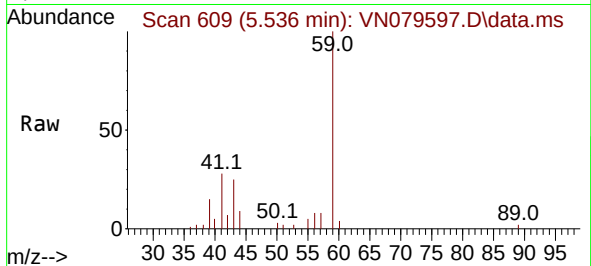
98 31.9 54.2 81.4#





#23
tert-Butyl Alcohol
Concen: 85.268 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

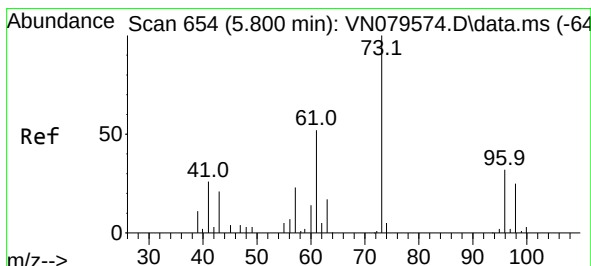
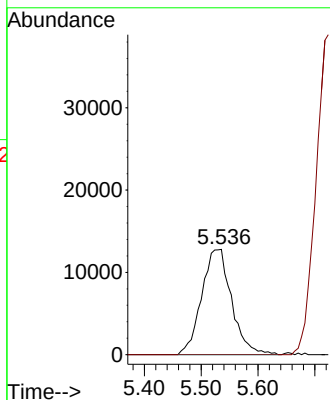
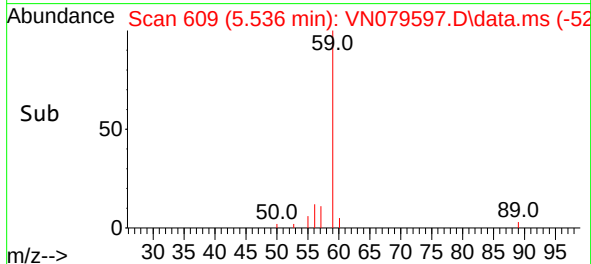
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



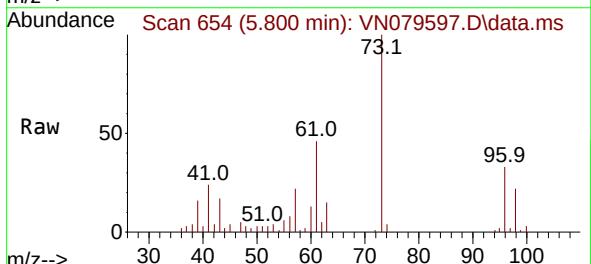
Tgt Ion: 59 Resp: 4686
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

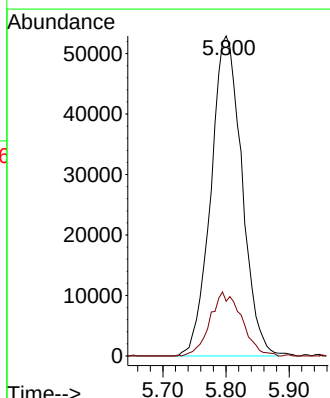
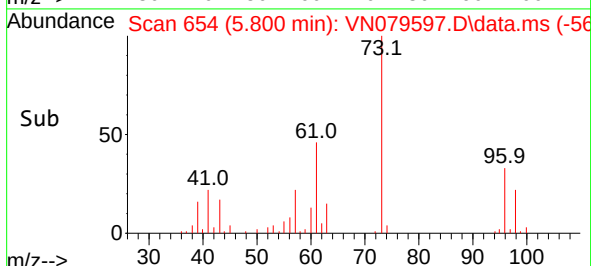
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

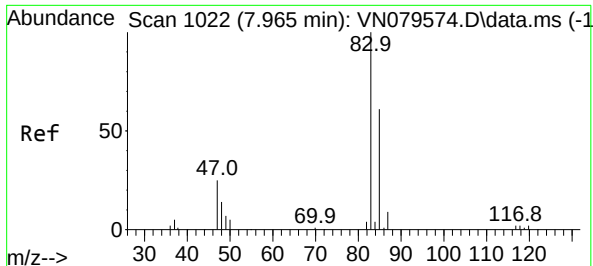


#24
Methyl tert-Butyl Ether
Concen: 18.881 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



Tgt Ion: 73 Resp: 180345
Ion Ratio Lower Upper
73 100
43 11.0 16.6 24.8#





#25

Chloroform

Concen: 19.458 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion: 83 Resp: 124338

Ion Ratio Lower Upper

83 100

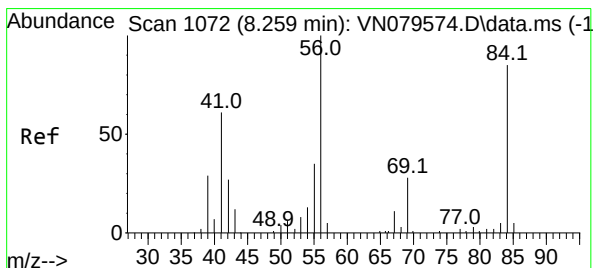
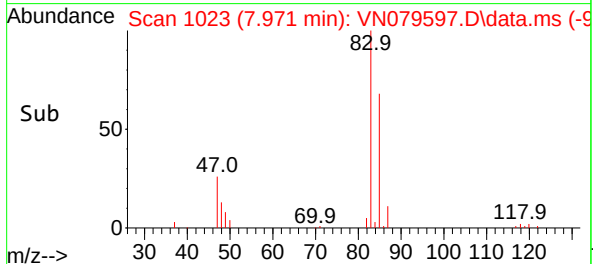
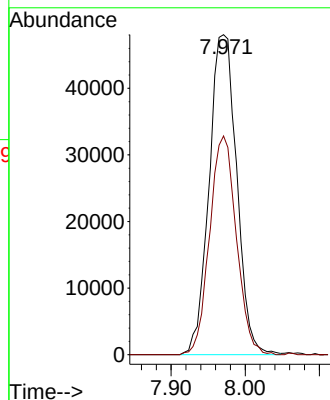
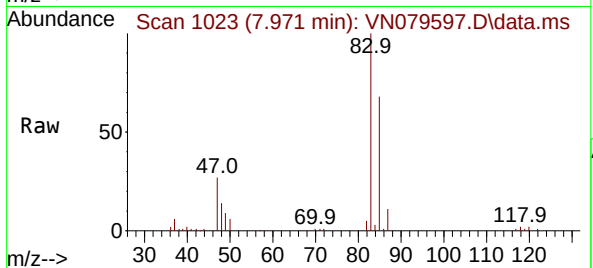
85 68.4 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#26

Cyclohexane

Concen: 18.329 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

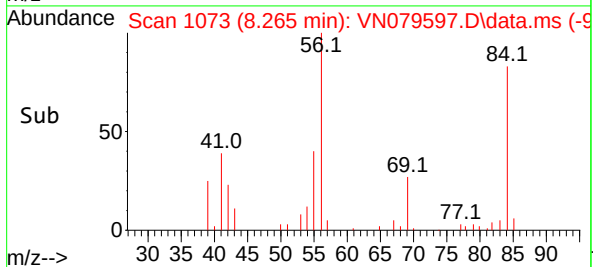
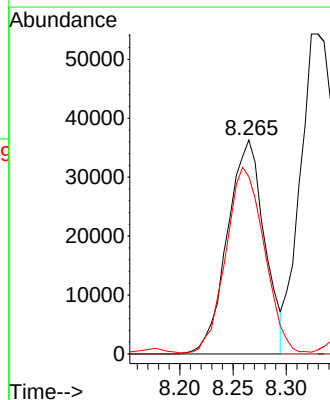
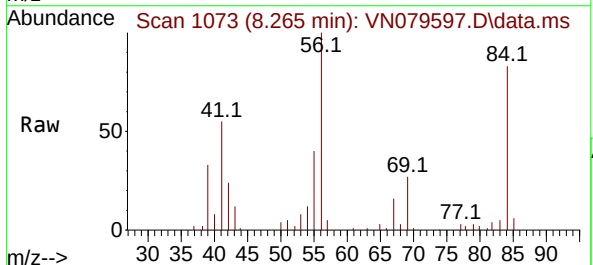
Tgt Ion: 56 Resp: 87623

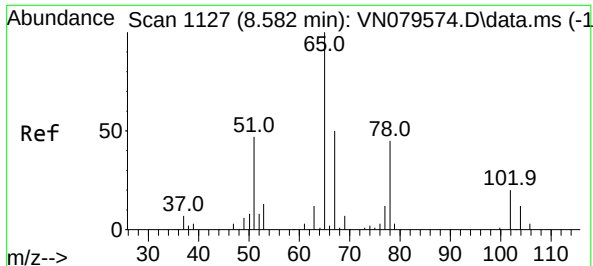
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.2 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 29.254 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

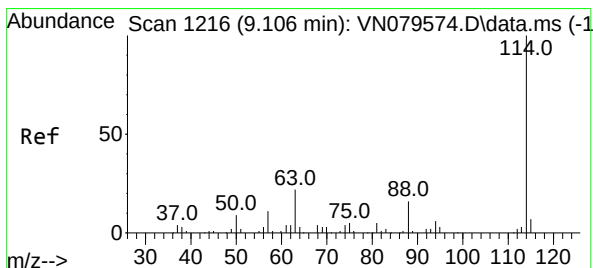
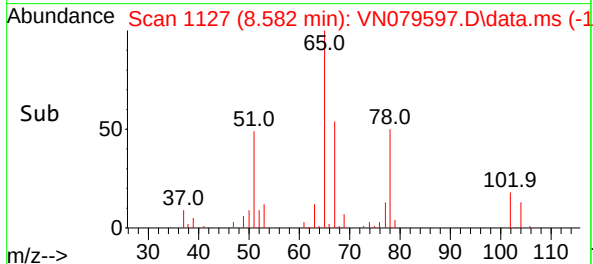
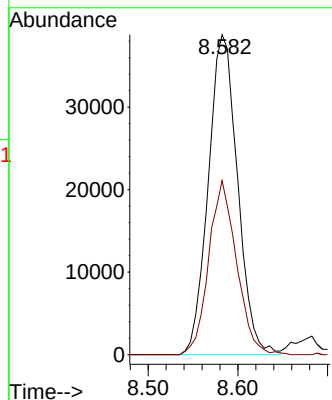
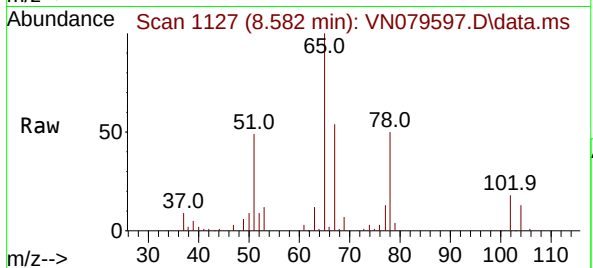
Tgt Ion: 65 Resp: 87878
Ion Ratio Lower Upper
65 100
67 51.5 42.1 63.1

Manual Integrations

APPROVED

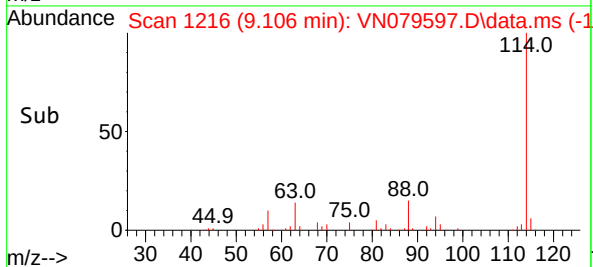
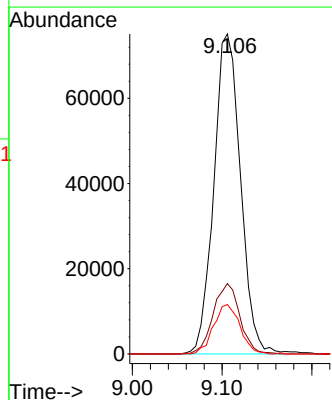
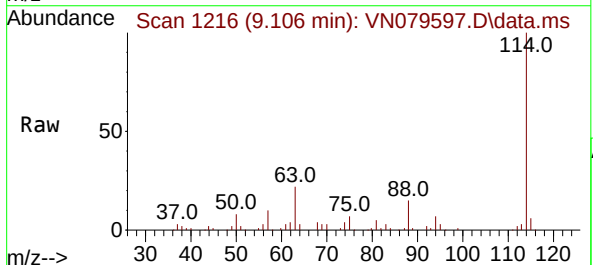
Reviewed By :John Carlone 10/19/2023

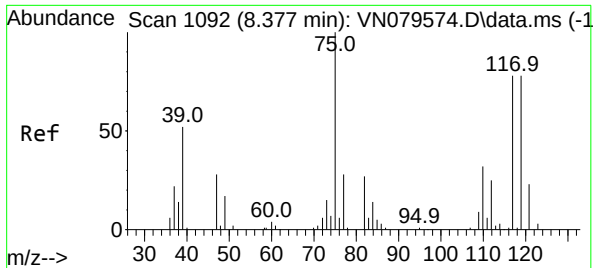
Supervised By :Mahesh Dadoda 10/20/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion:114 Resp: 154940
Ion Ratio Lower Upper
114 100
63 22.0 18.1 27.1
88 15.3 12.2 18.2





#29
1,1-Dichloropropene
Concen: 20.109 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

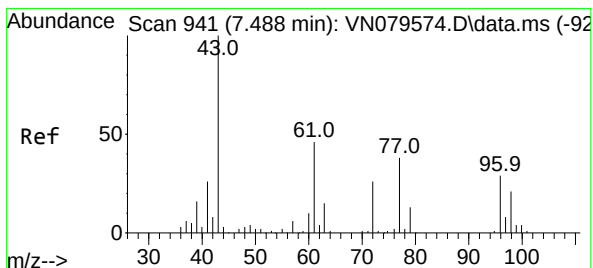
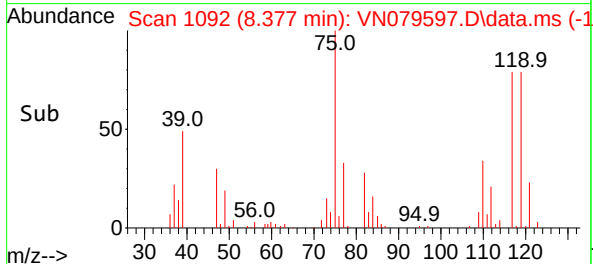
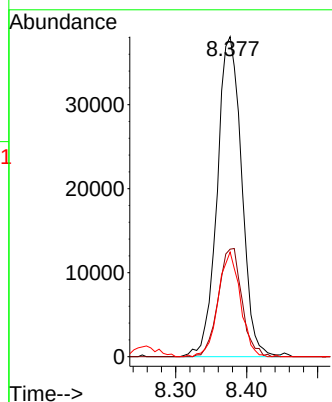
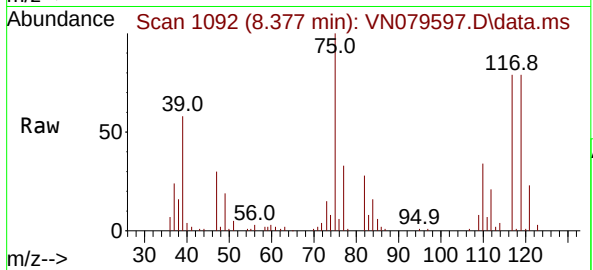
Tgt Ion: 75 Resp: 91050
Ion Ratio Lower Upper
75 100
110 32.7 0.0 66.8
77 29.7 0.0 61.2

Manual Integrations

APPROVED

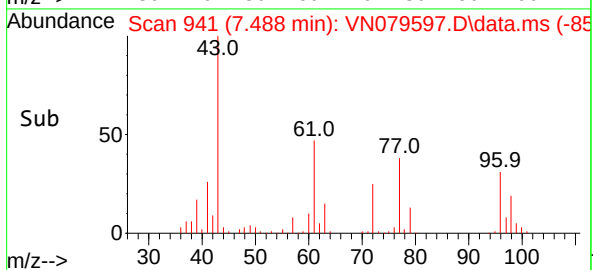
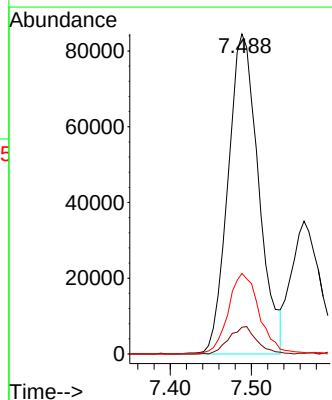
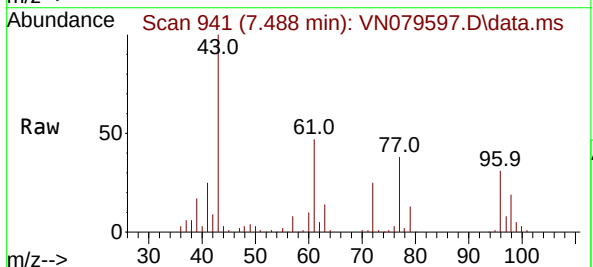
Reviewed By :John Carlone 10/19/2023

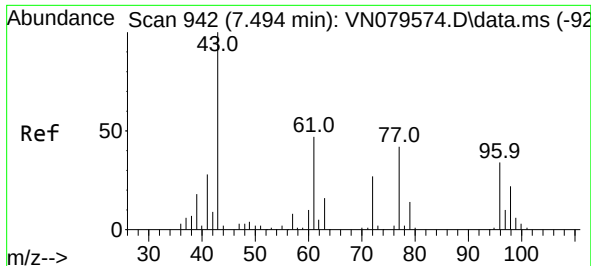
Supervised By :Mahesh Dadoda 10/20/2023



#30
2-Butanone
Concen: 97.480 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

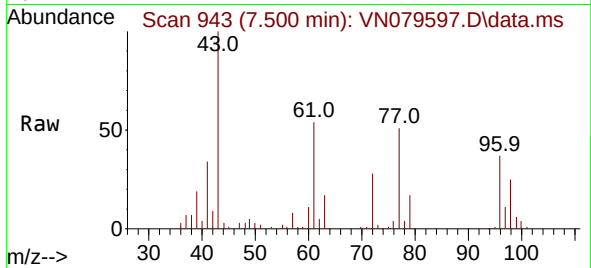
Tgt Ion: 43 Resp: 221246
Ion Ratio Lower Upper
43 100
57 7.7 6.4 9.6
72 25.6 20.7 31.1





#31
2,2-Dichloropropane
Concen: 19.204 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

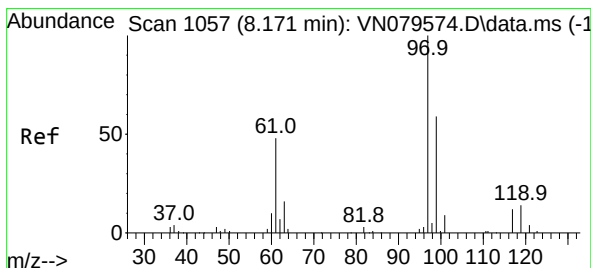
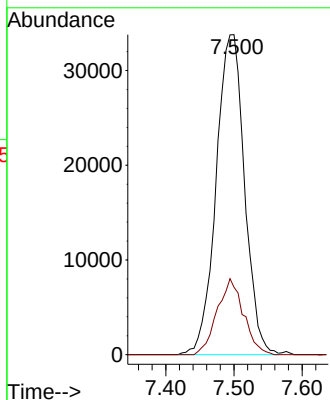
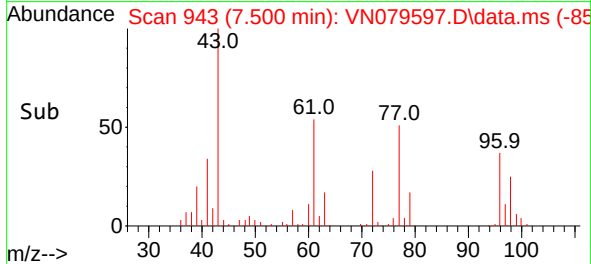
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



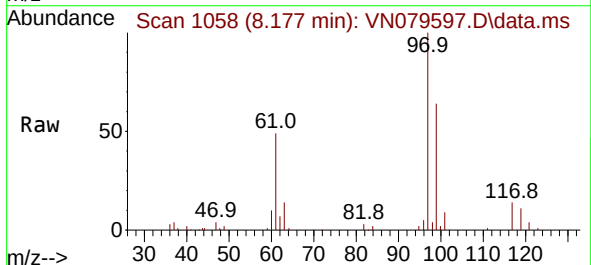
Tgt Ion: 77 Resp: 98038
Ion Ratio Lower Upper
77 100
97 22.1 17.9 26.9

Manual Integrations
APPROVED

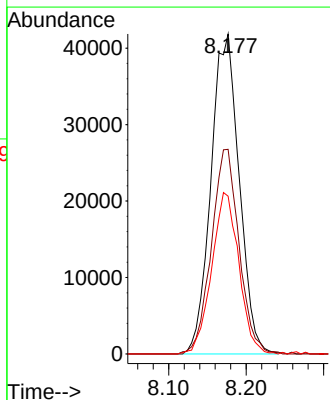
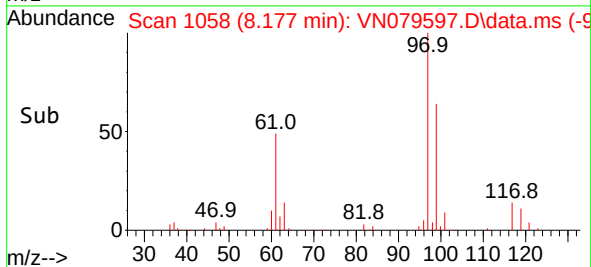
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

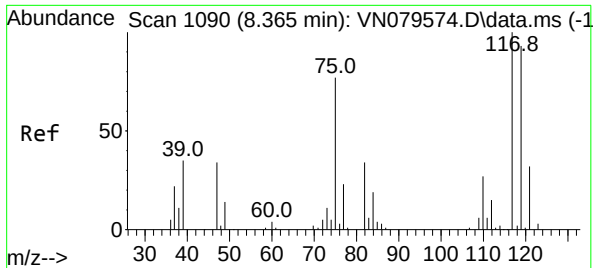


#32
1,1,1-Trichloroethane
Concen: 19.708 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



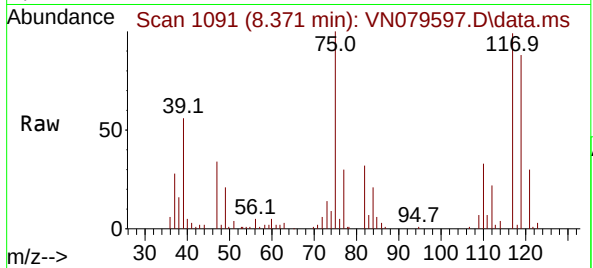
Tgt Ion: 97 Resp: 106062
Ion Ratio Lower Upper
97 100
99 62.4 51.9 77.9
61 48.6 37.6 56.4





#33
Carbon Tetrachloride
Concen: 19.866 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

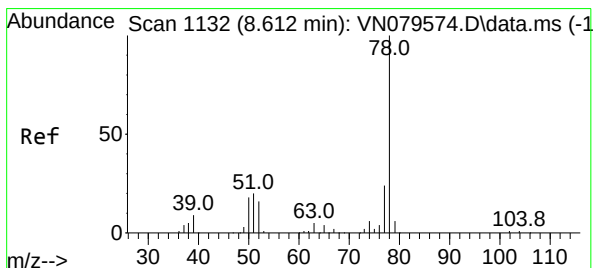
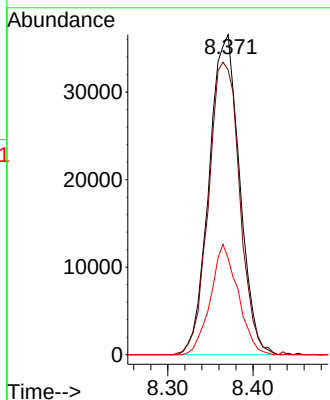
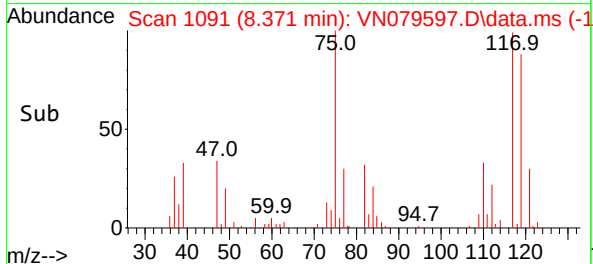
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 117 Resp: 90920
Ion Ratio Lower Upper
117 100
119 89.0 75.0 112.6
121 30.1 24.3 36.5

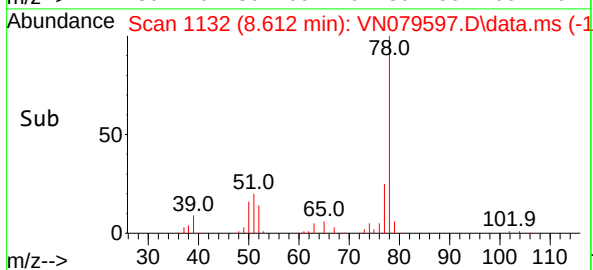
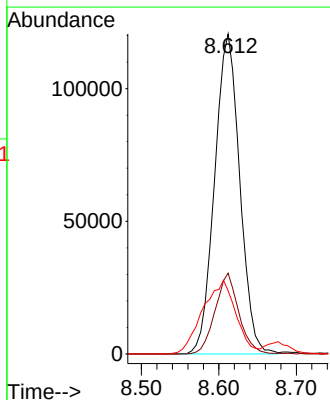
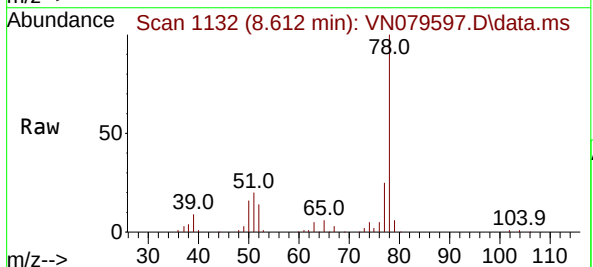
Manual Integrations
APPROVED

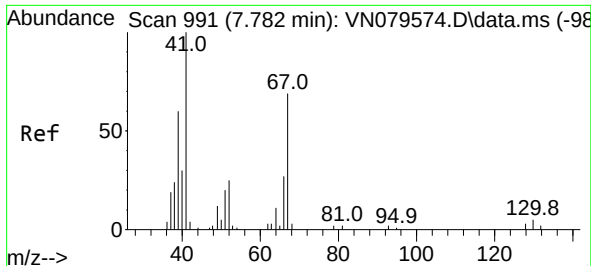
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#34
Benzene
Concen: 19.759 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

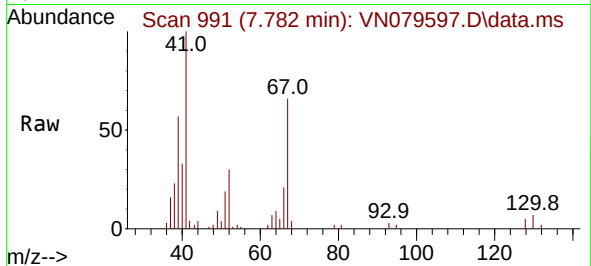
Tgt Ion: 78 Resp: 271817
Ion Ratio Lower Upper
78 100
77 25.3 19.7 29.5
51 19.2 15.8 23.6





#35
Methacrylonitrile
Concen: 19.259 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

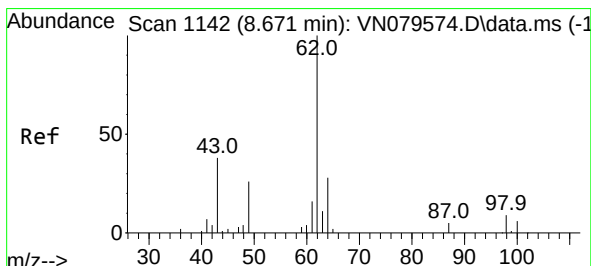
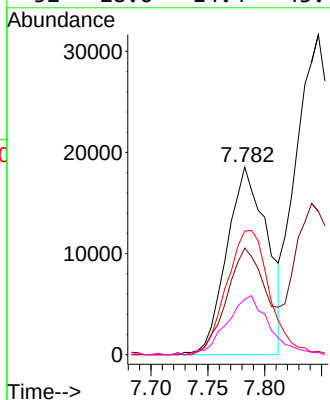
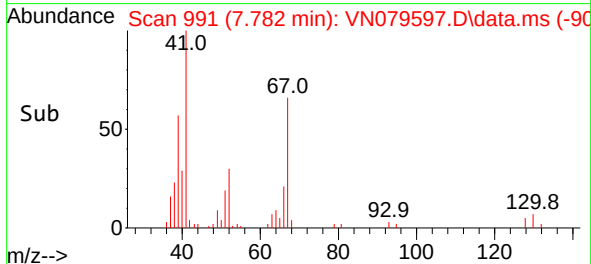
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 41 Resp: 4598
Ion Ratio Lower Upper
41 100
39 55.8 26.3 78.8
67 65.8 37.5 112.3
52 28.6 14.4 43.4

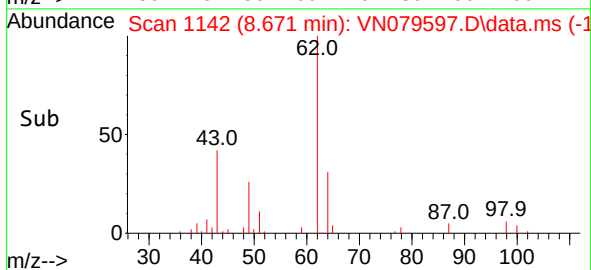
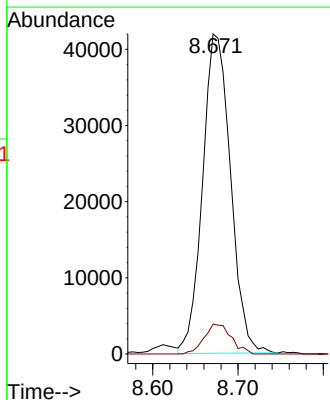
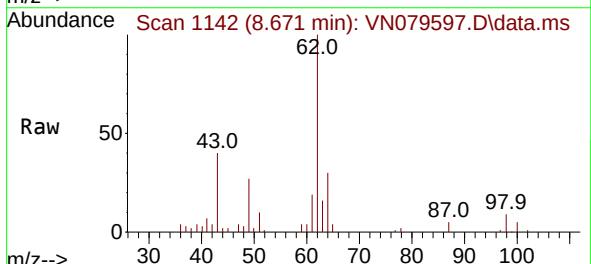
Manual Integrations
APPROVED

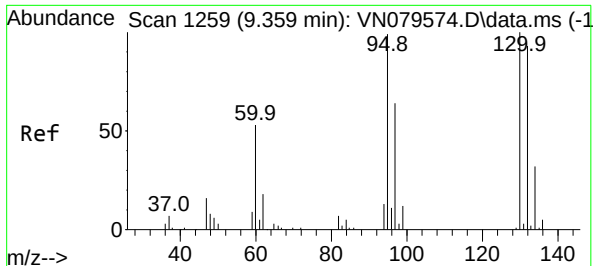
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#36
1,2-Dichloroethane
Concen: 19.455 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion: 62 Resp: 95562
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8





#37

Trichloroethene

Concen: 19.527 ug/l

RT: 9.359 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion:130 Resp: 62792

Ion Ratio Lower Upper

130 100

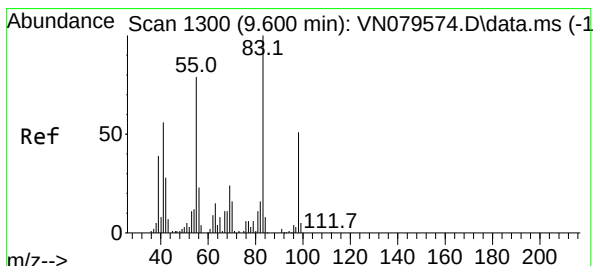
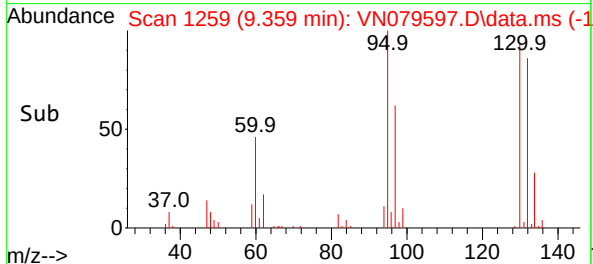
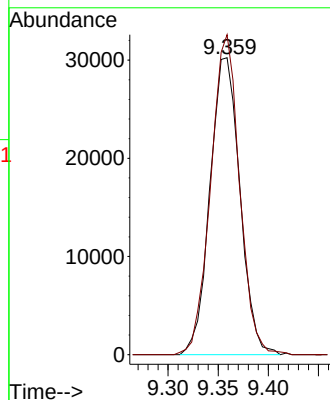
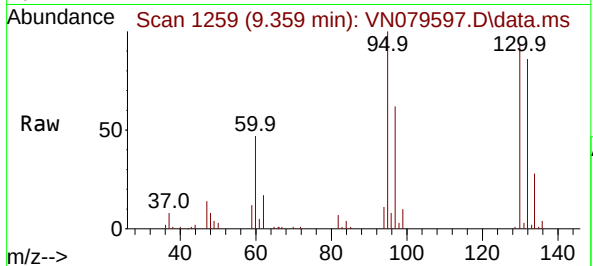
95 107.0 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#38

Methylcyclohexane

Concen: 18.634 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

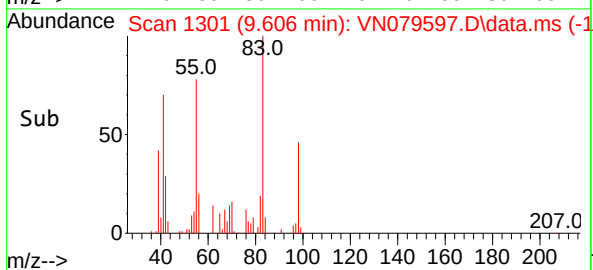
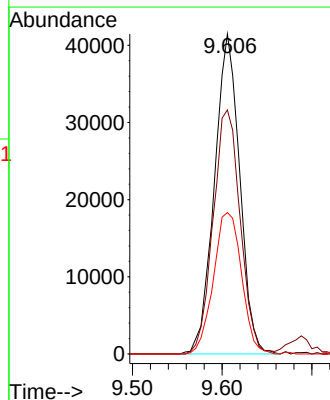
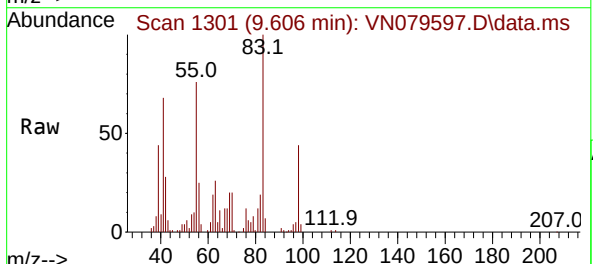
Tgt Ion: 83 Resp: 81235

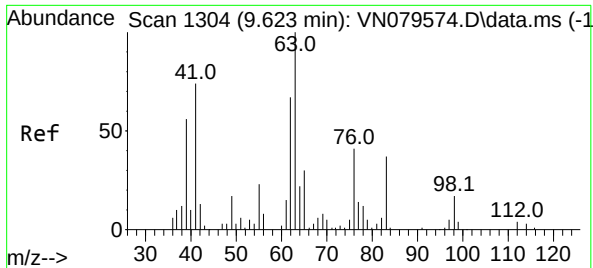
Ion Ratio Lower Upper

83 100

55 81.6 39.7 119.1

98 49.0 24.4 73.2





#39

1,2-Dichloropropane

Concen: 19.965 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

Tgt Ion: 63 Resp: 72480

Ion Ratio Lower Upper

63 100

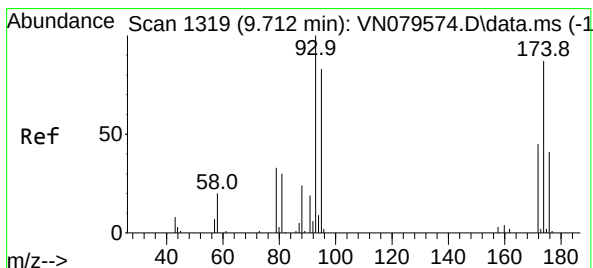
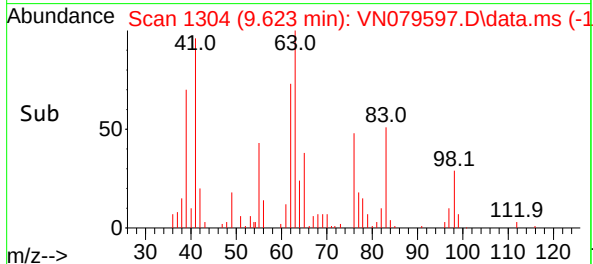
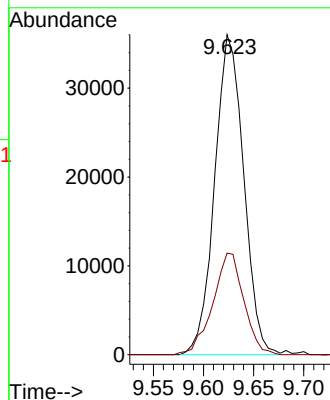
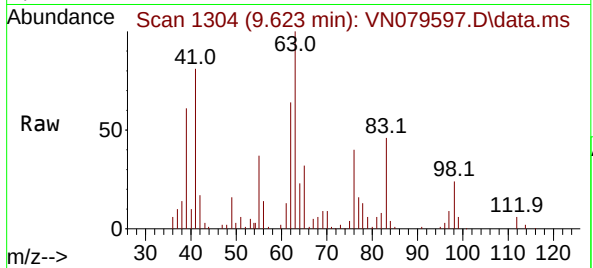
65 31.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#40

Dibromomethane

Concen: 20.074 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

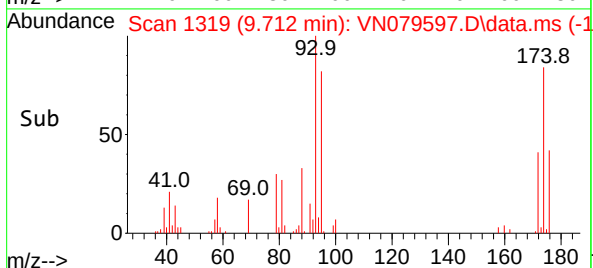
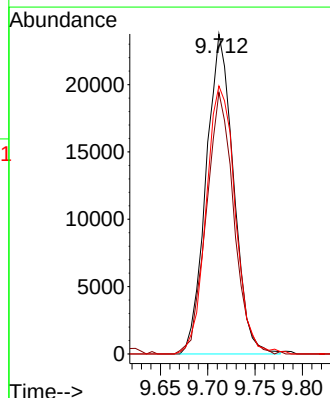
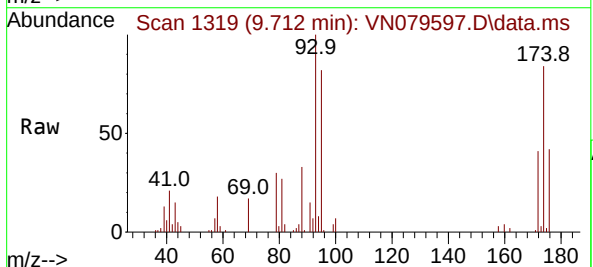
Tgt Ion: 93 Resp: 47826

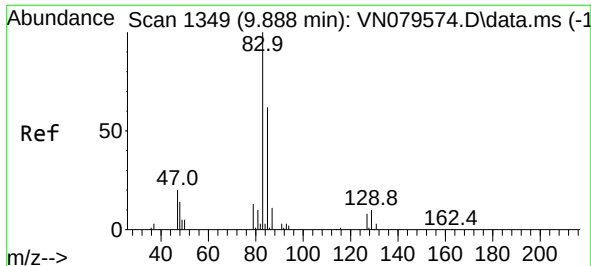
Ion Ratio Lower Upper

93 100

95 81.7 0.0 166.6

174 88.7 0.0 171.0





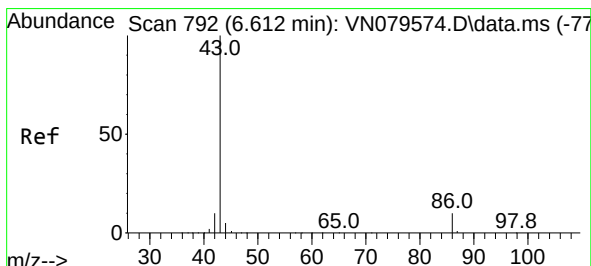
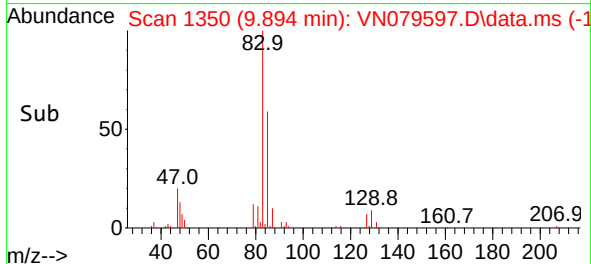
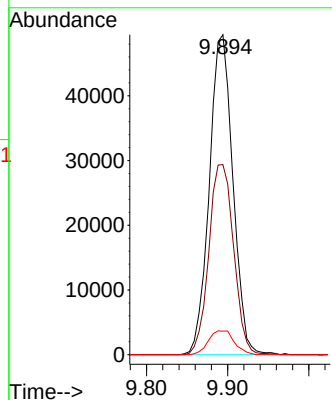
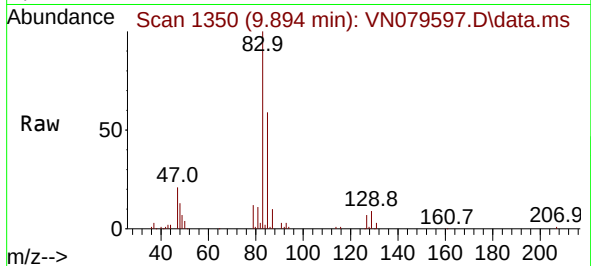
#41
Bromodichloromethane
Concen: 20.214 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion: 83 Resp: 9980
Ion Ratio Lower Upper
83 100
85 59.4 50.3 75.5
127 7.3 6.8 10.2

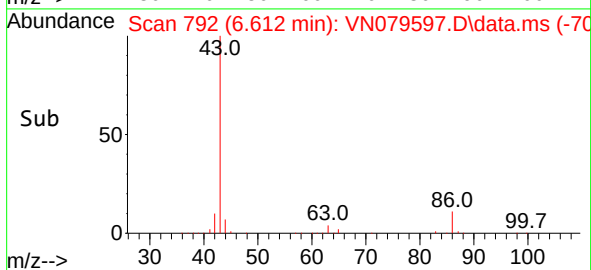
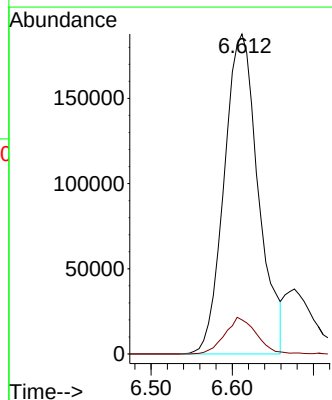
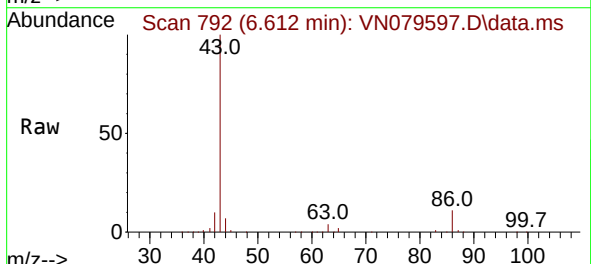
Manual Integrations
APPROVED

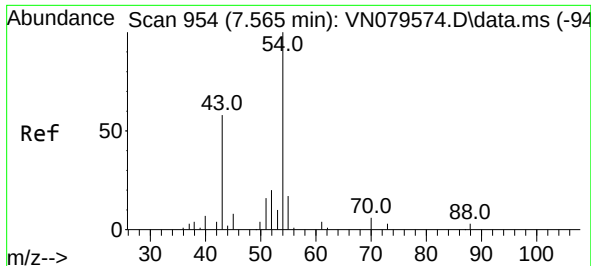
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#42
Vinyl Acetate
Concen: 95.511 ug/l
RT: 6.612 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion: 43 Resp: 549899
Ion Ratio Lower Upper
43 100
86 10.5 8.2 12.2





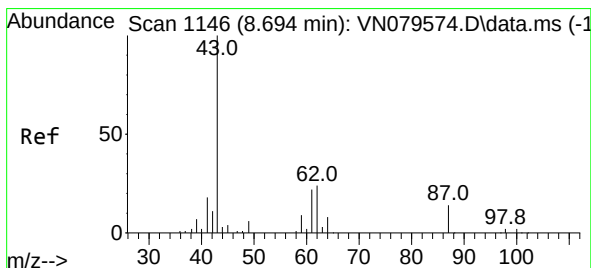
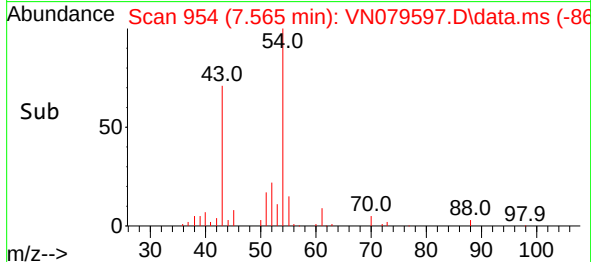
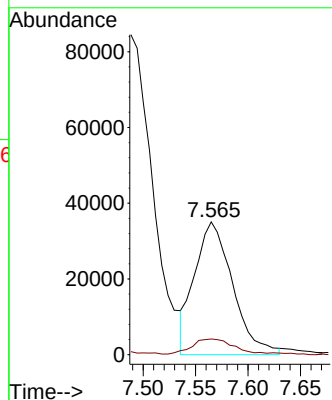
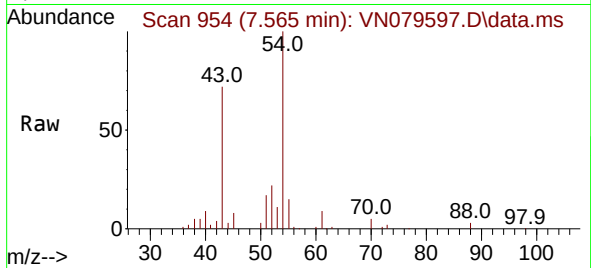
#43
Ethyl Acetate
Concen: 20.786 ug/l m
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion: 43 Resp: 88712
Ion Ratio Lower Upper
43 100
45 0.1 11.8 17.8

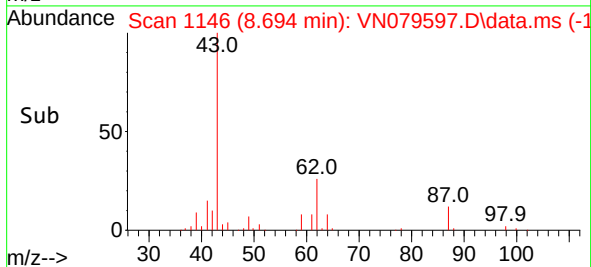
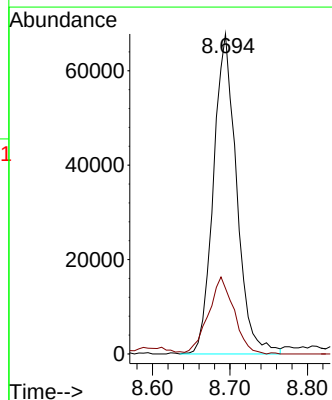
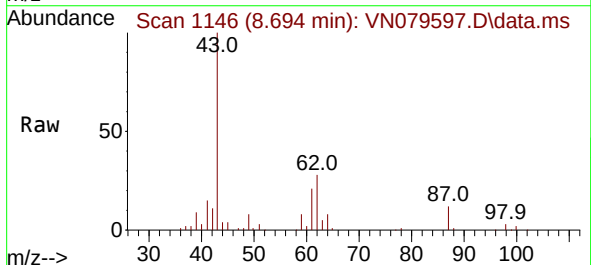
Manual Integrations
APPROVED

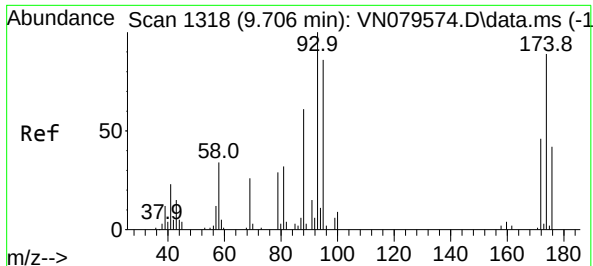
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#44
Isopropyl Acetate
Concen: 18.556 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

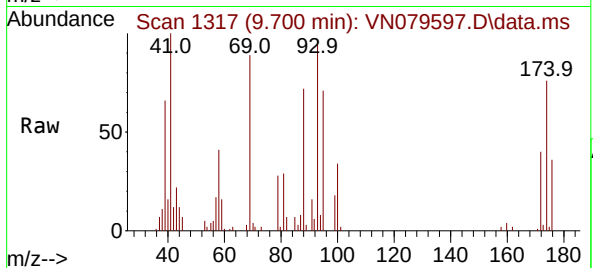
Tgt Ion: 43 Resp: 140781
Ion Ratio Lower Upper
43 100
61 26.5 20.3 30.5





#45
 1,4-Dioxane
 Concen: 394.651 ug/l
 RT: 9.700 min Scan# 1318
 Delta R.T. -0.006 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

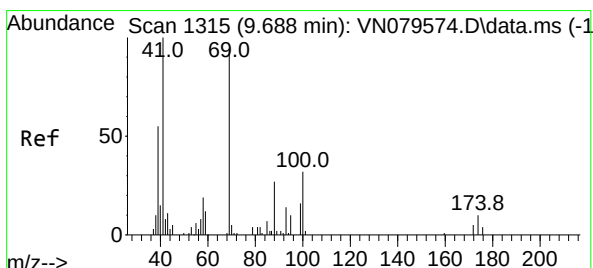
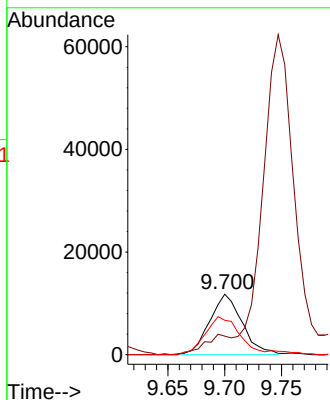
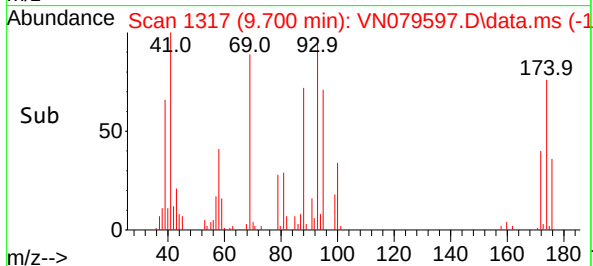
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01



Tgt Ion: 88 Resp: 2343
 Ion Ratio Lower Upper
 88 100
 43 27.5 28.7 43.1
 58 65.7 56.9 85.3

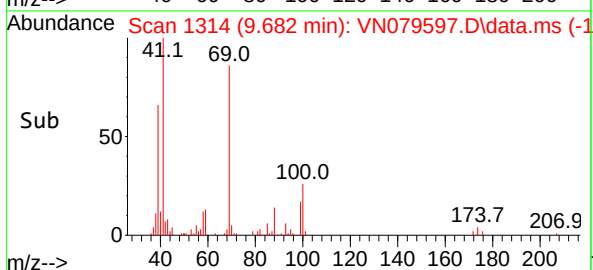
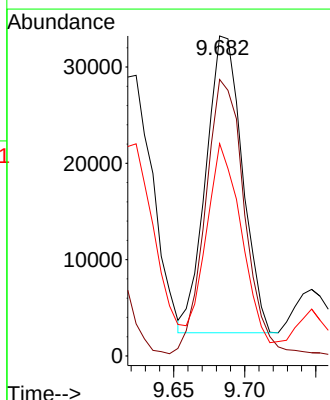
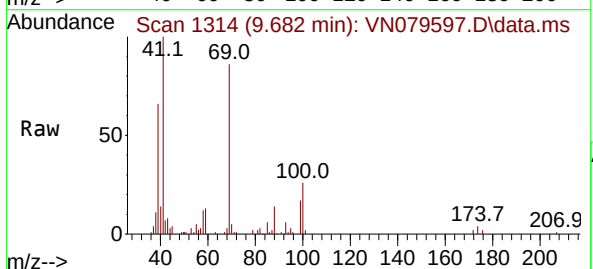
Manual Integrations
 APPROVED

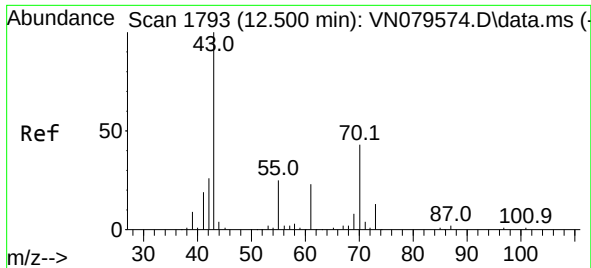
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#46
 Methyl methacrylate
 Concen: 16.281 ug/l
 RT: 9.682 min Scan# 1314
 Delta R.T. -0.006 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

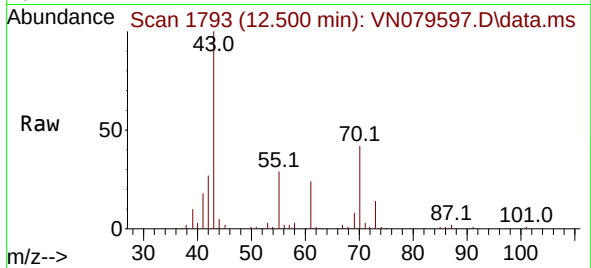
Tgt Ion: 41 Resp: 54797
 Ion Ratio Lower Upper
 41 100
 69 90.6 40.0 119.9
 39 66.7 31.1 93.3





#47
n-amyl Acetate
Concen: 18.753 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

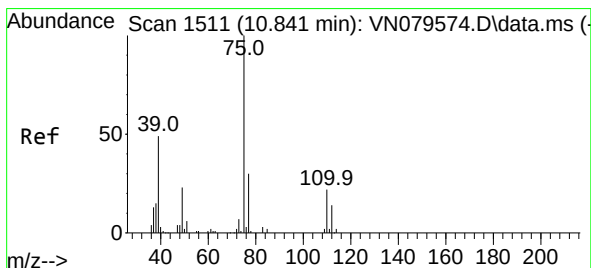
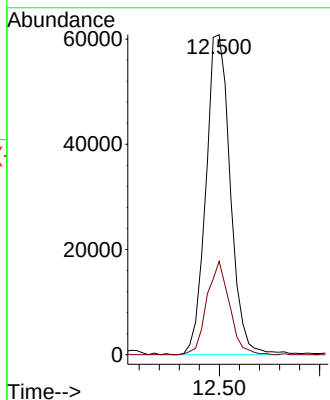
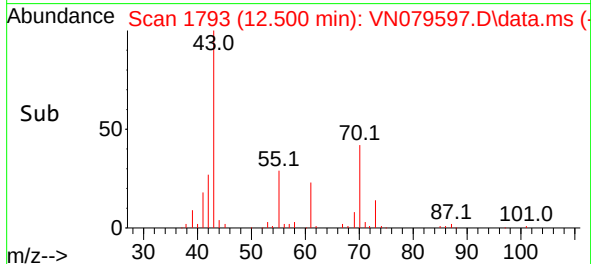
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 43 Resp: 10268
Ion Ratio Lower Upper
43 100
55 27.1 20.7 31.1

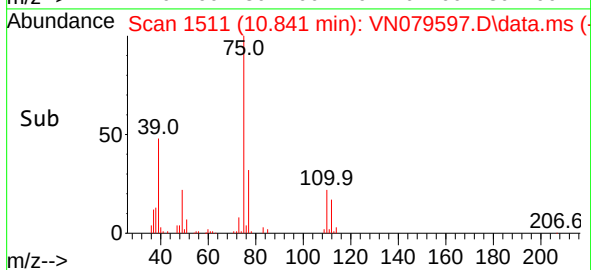
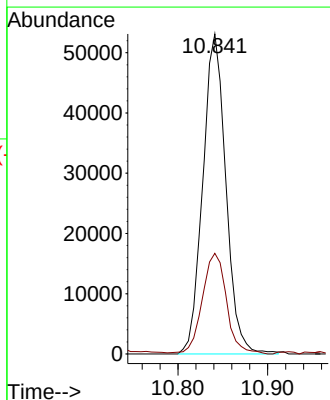
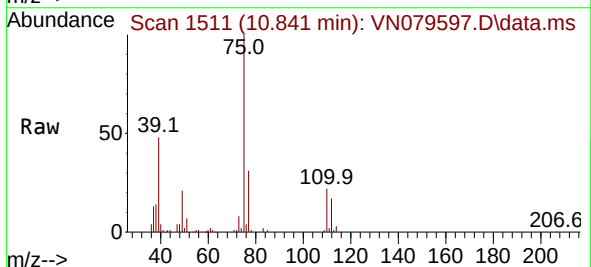
Manual Integrations
APPROVED

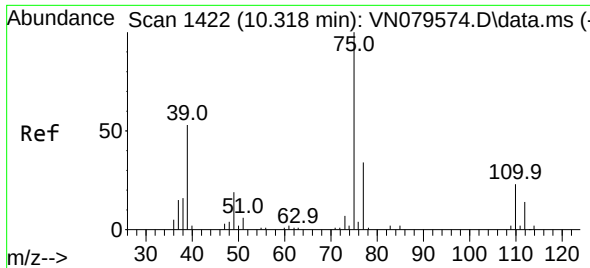
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#48
t-1,3-Dichloropropene
Concen: 19.001 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

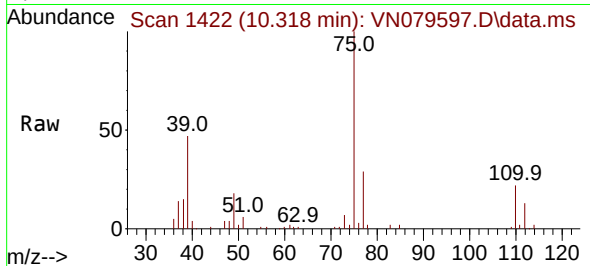
Tgt Ion: 75 Resp: 94844
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4





#49
 cis-1,3-Dichloropropene
 Concen: 19.650 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. 0.000 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

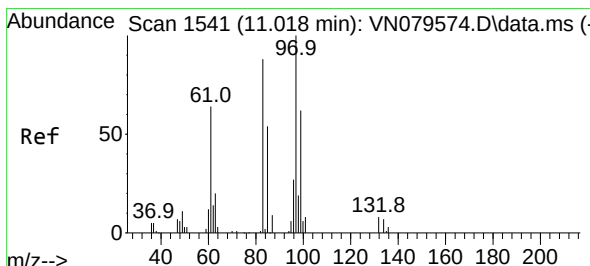
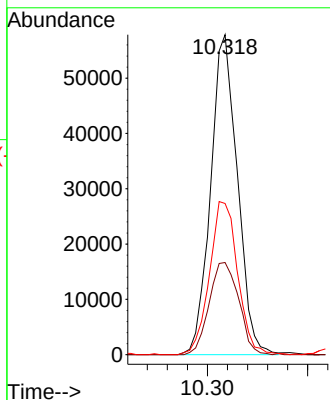
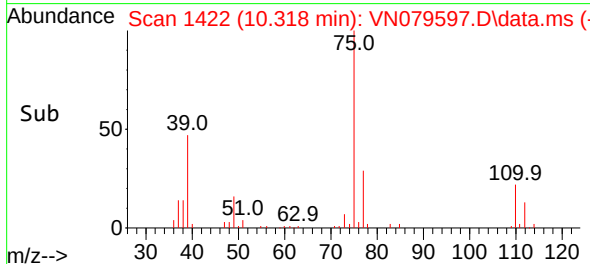
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01



Tgt Ion: 75 Resp: 107249
 Ion Ratio Lower Upper
 75 100
 77 28.8 25.8 38.6
 39 47.3 42.4 63.6

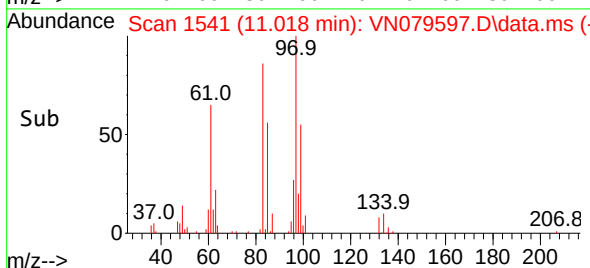
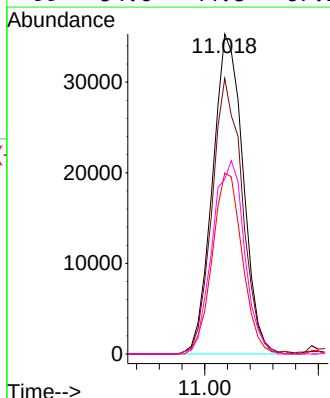
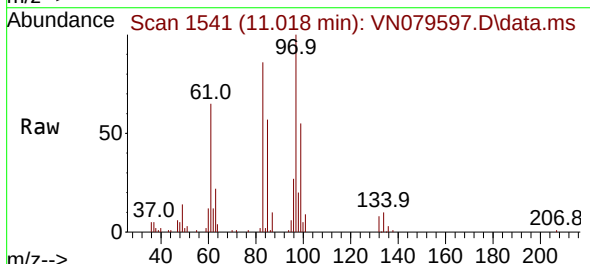
Manual Integrations
 APPROVED

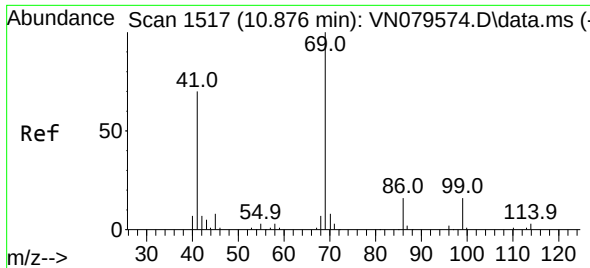
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.953 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

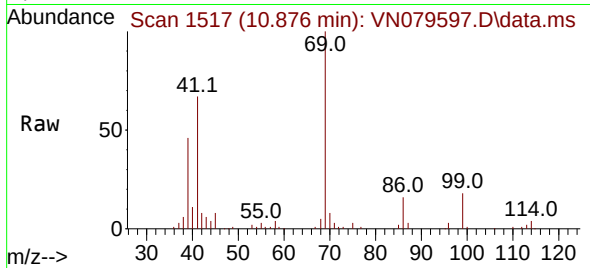
Tgt Ion: 97 Resp: 65949
 Ion Ratio Lower Upper
 97 100
 83 86.1 68.2 102.4
 85 56.6 42.9 64.3
 99 54.6 44.8 67.2





#51
Ethyl methacrylate
Concen: 19.174 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

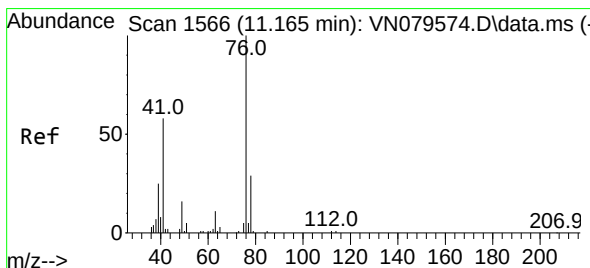
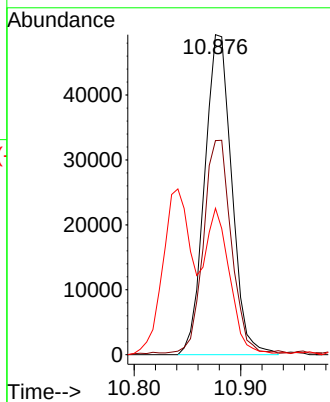
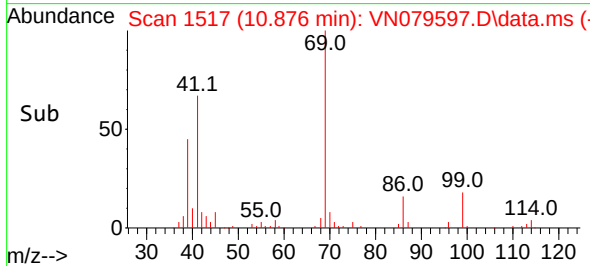
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 69 Resp: 8743
Ion Ratio Lower Upper
69 100
41 65.8 33.8 101.3
39 45.2 21.3 63.9

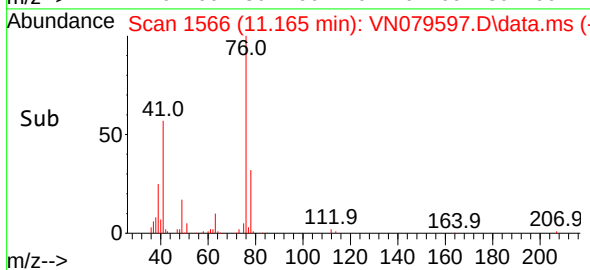
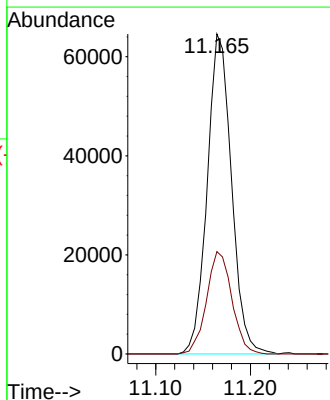
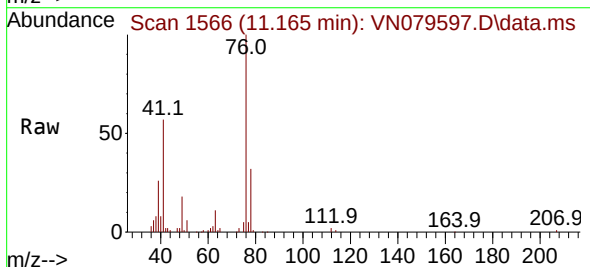
Manual Integrations
APPROVED

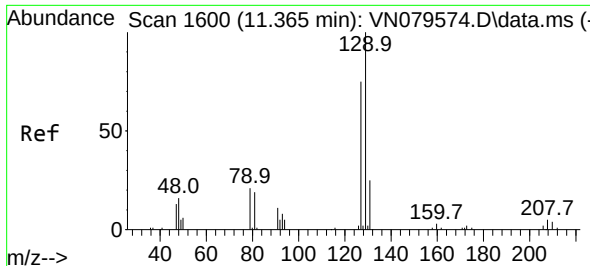
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#52
1,3-Dichloropropane
Concen: 19.673 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion: 76 Resp: 115195
Ion Ratio Lower Upper
76 100
78 33.2 0.0 64.0





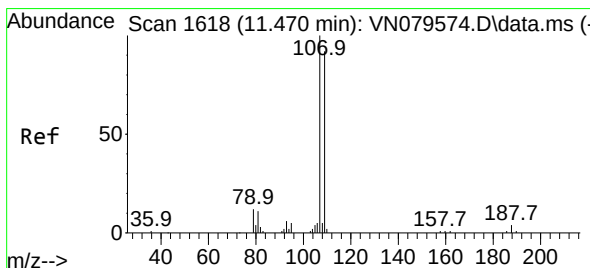
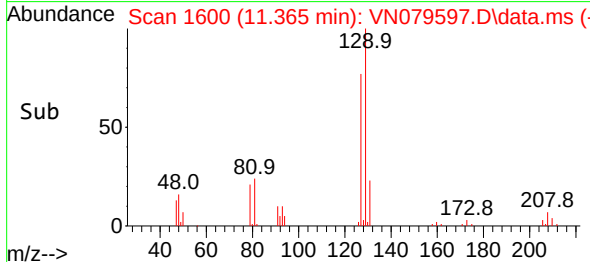
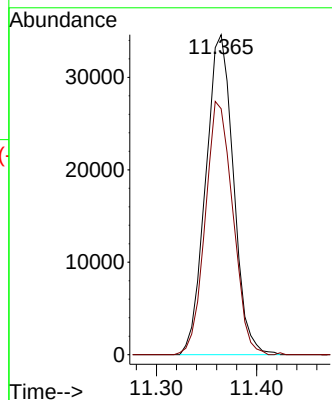
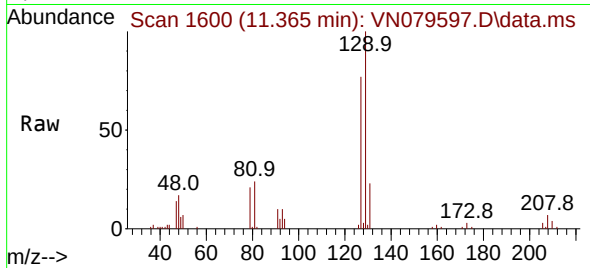
#53
Dibromochloromethane
Concen: 19.717 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion:129 Resp: 6660
Ion Ratio Lower Upper
129 100
127 78.6 38.8 116.3

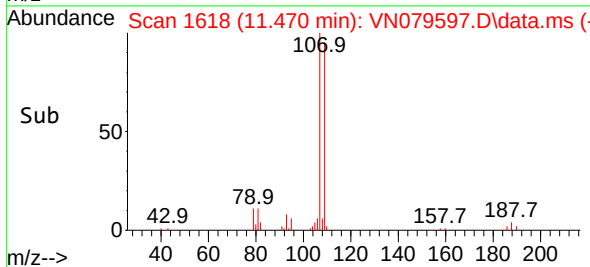
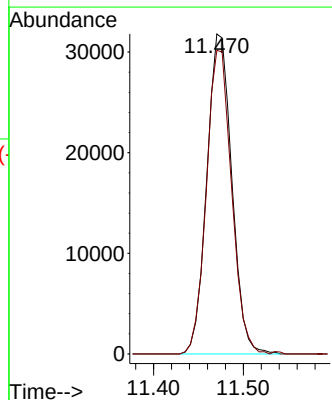
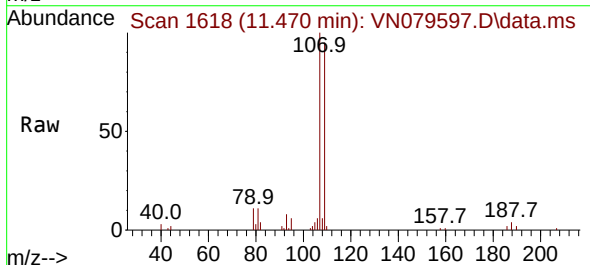
Manual Integrations
APPROVED

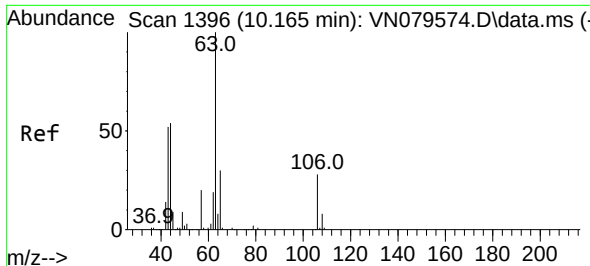
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#54
1,2-Dibromoethane
Concen: 18.865 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

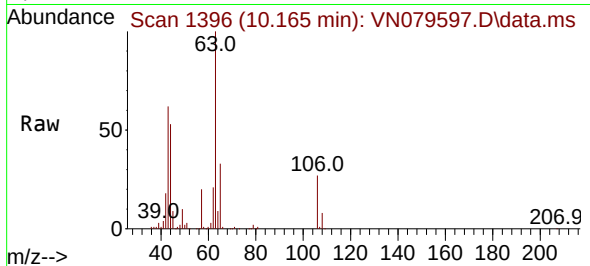
Tgt Ion:107 Resp: 61516
Ion Ratio Lower Upper
107 100
109 95.6 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 101.124 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

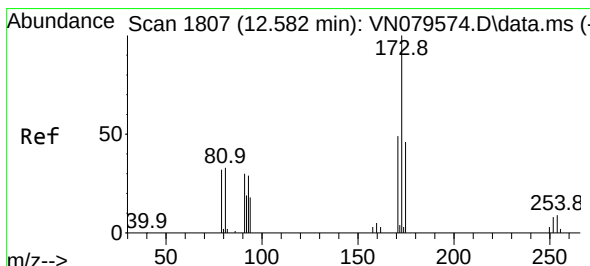
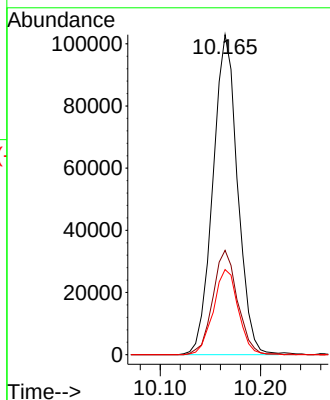
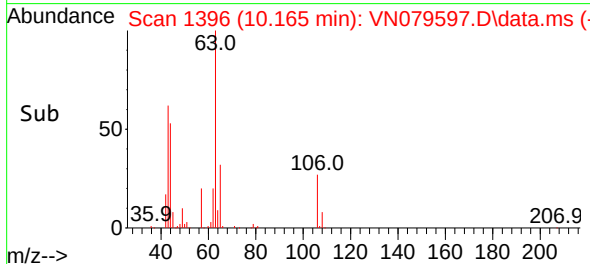
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 63 Resp: 175940
Ion Ratio Lower Upper
63 100
65 32.6 25.9 38.9
106 26.8 20.6 30.8

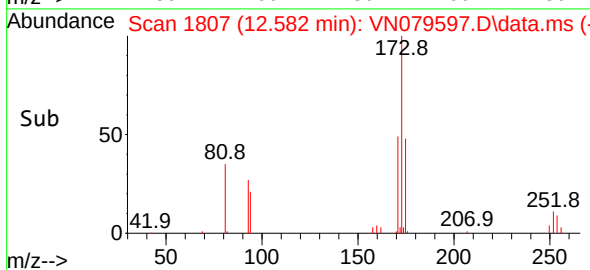
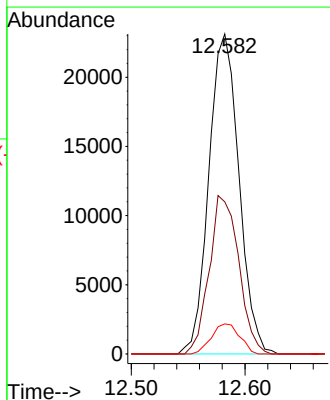
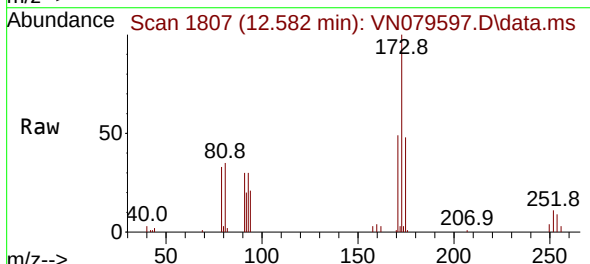
Manual Integrations
APPROVED

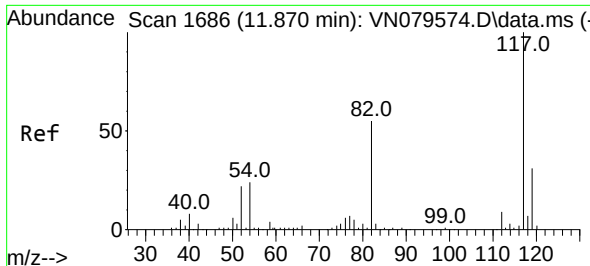
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#56
Bromoform
Concen: 19.053 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

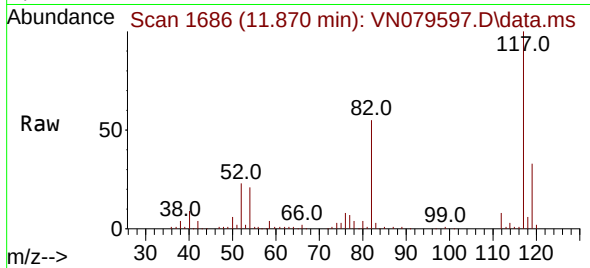
Tgt Ion:173 Resp: 42578
Ion Ratio Lower Upper
173 100
175 48.6 37.9 56.9
254 8.8 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

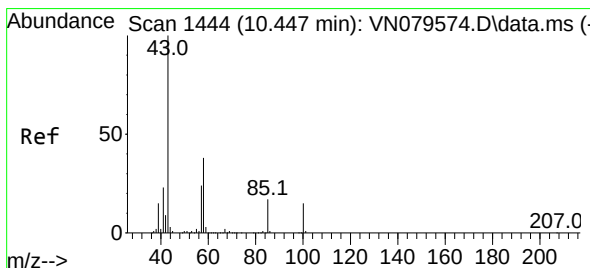
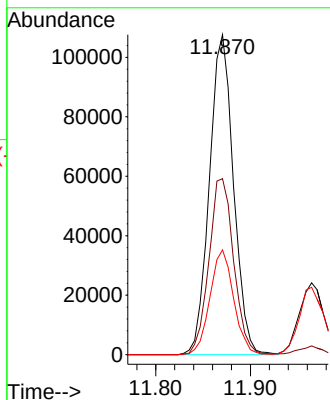
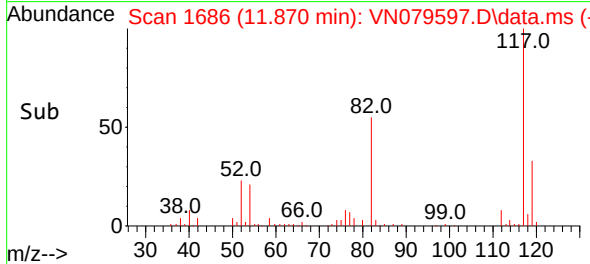
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 117 Resp: 190258
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.2
119 32.3 25.2 37.8

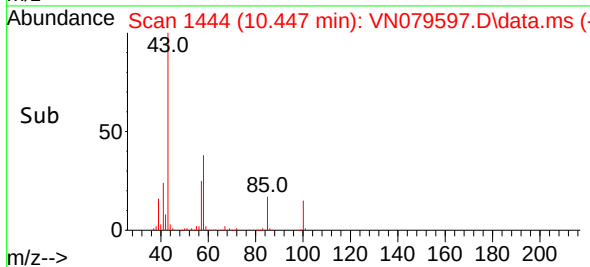
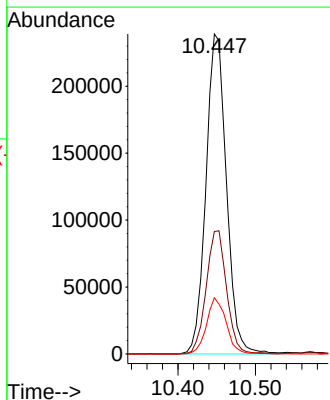
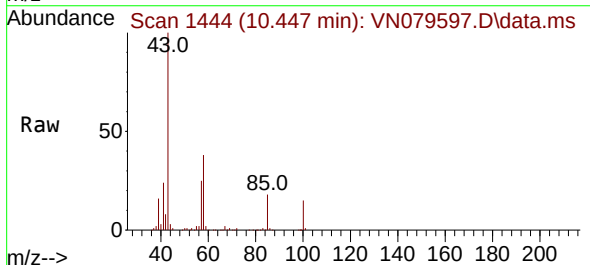
Manual Integrations
APPROVED

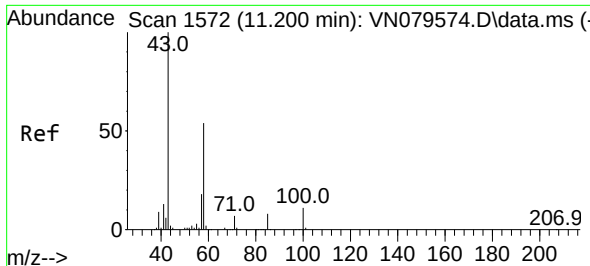
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#58
4-Methyl-2-Pentanone
Concen: 99.134 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

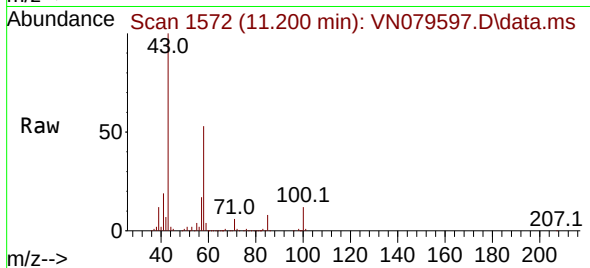
Tgt Ion: 43 Resp: 439926
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6
85 16.6 13.2 19.8





#59
2-Hexanone
Concen: 96.545 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

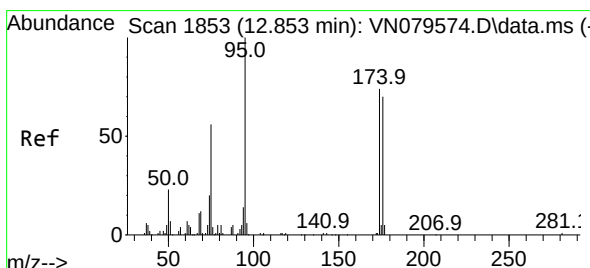
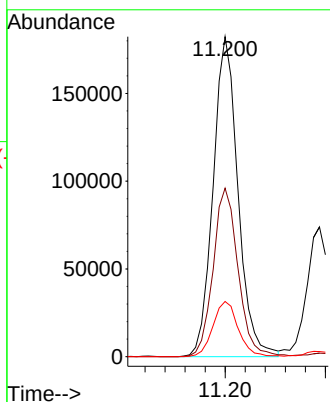
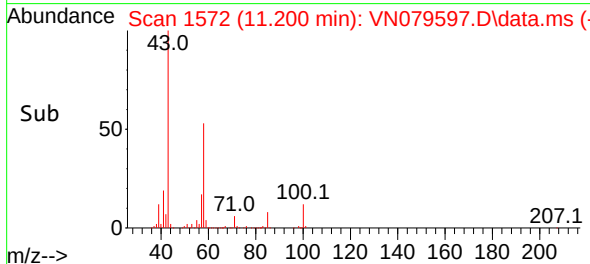
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 43 Resp: 314310
Ion Ratio Lower Upper
43 100
58 52.8 42.3 63.5
57 17.5 13.9 20.9

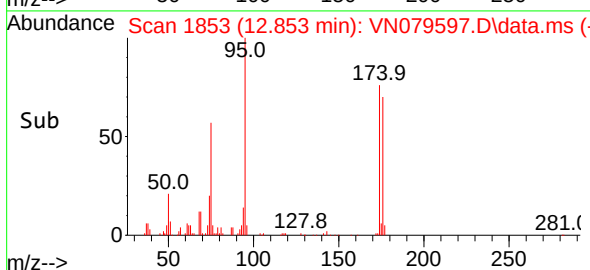
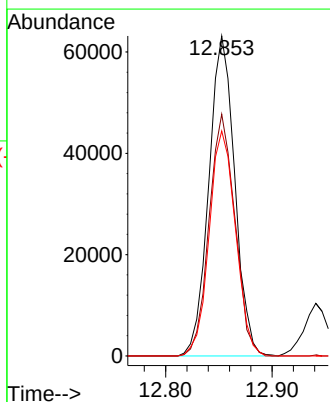
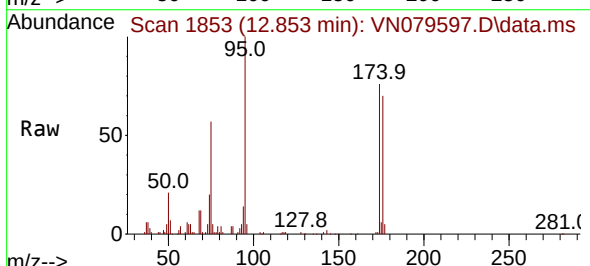
Manual Integrations
APPROVED

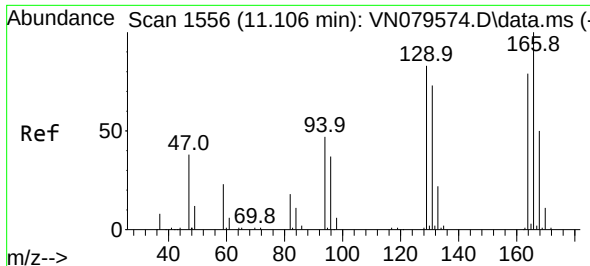
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#60
4-Bromofluorobenzene
Concen: 30.710 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

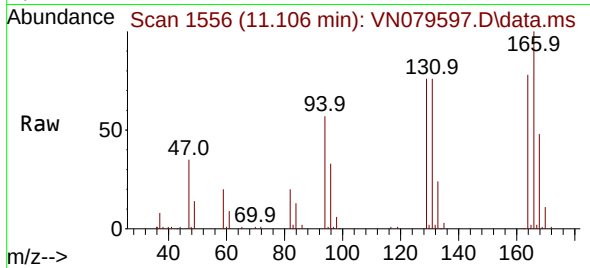
Tgt Ion: 95 Resp: 106850
Ion Ratio Lower Upper
95 100
174 75.4 60.5 90.7
176 71.5 57.2 85.8





#61
Tetrachloroethene
Concen: 19.786 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

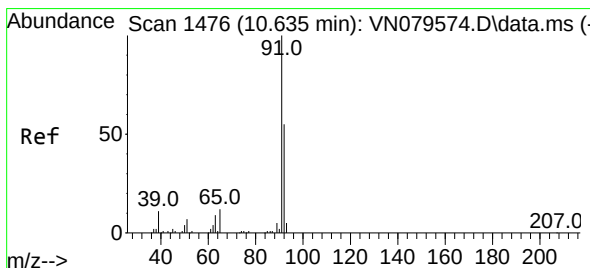
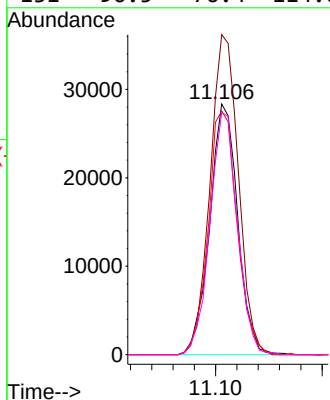
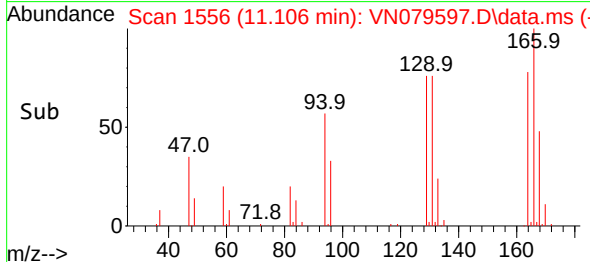
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



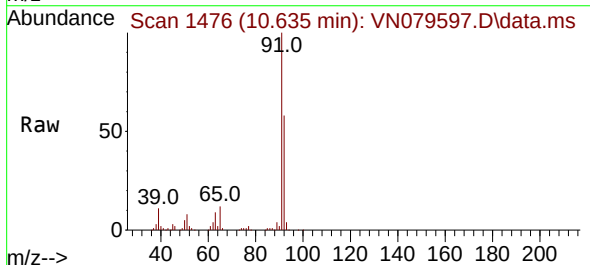
Tgt Ion:164 Resp: 51680
Ion Ratio Lower Upper
164 100
166 127.7 98.2 147.4
129 97.2 75.0 112.4
131 96.5 76.4 114.6

Manual Integrations
APPROVED

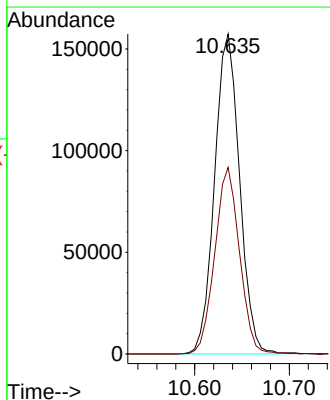
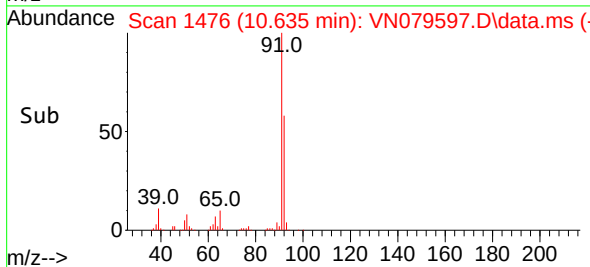
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

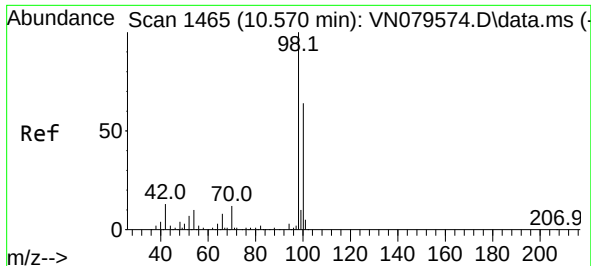


#62
Toluene
Concen: 19.855 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



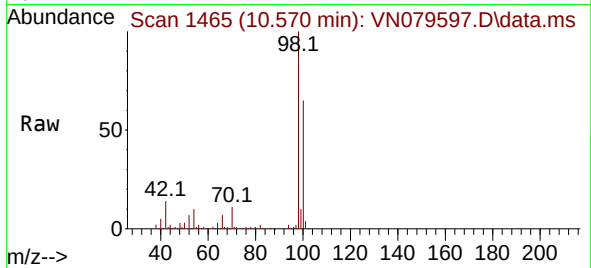
Tgt Ion: 91 Resp: 288708
Ion Ratio Lower Upper
91 100
92 57.6 45.3 67.9





#63
Toluene-d8
Concen: 30.053 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

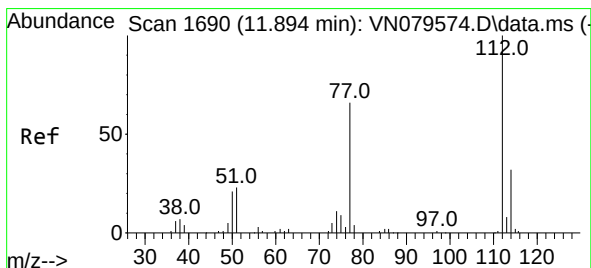
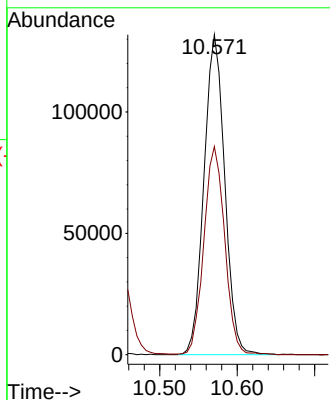
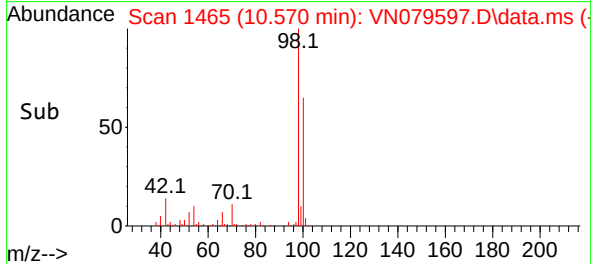
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 98 Resp: 24501
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4

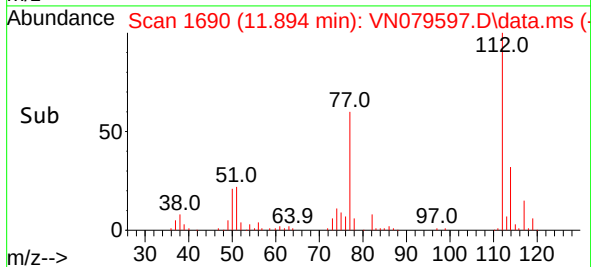
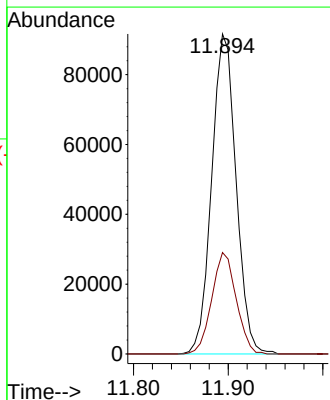
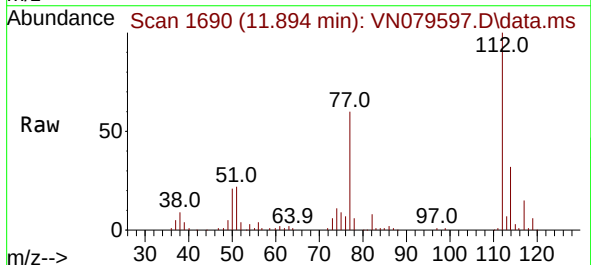
Manual Integrations
APPROVED

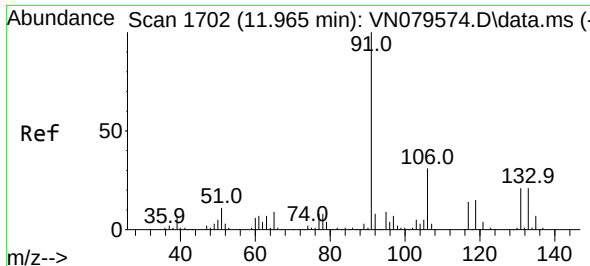
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#64
Chlorobenzene
Concen: 19.429 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion:112 Resp: 163852
Ion Ratio Lower Upper
112 100
114 31.7 28.1 42.1





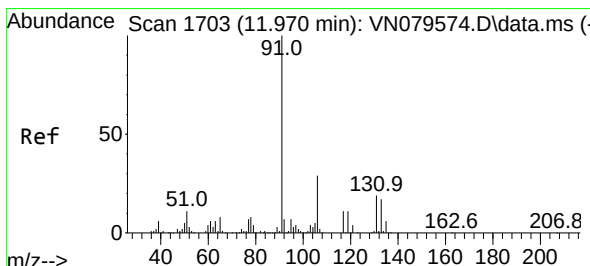
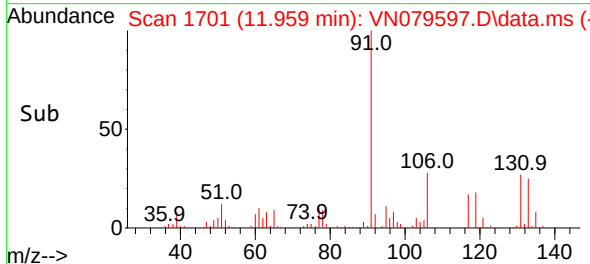
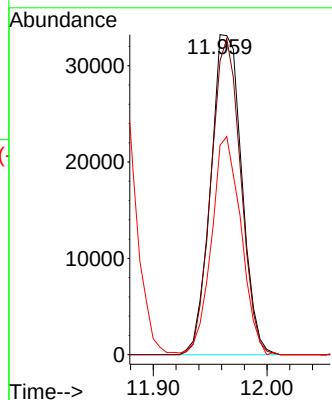
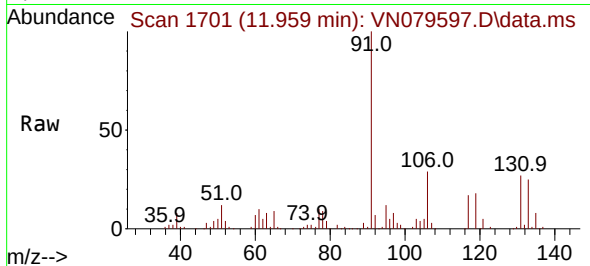
#65
1,1,1,2-Tetrachloroethane
Concen: 19.655 ug/l
RT: 11.959 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion:131 Resp: 6314
Ion Ratio Lower Upper
131 100
133 94.3 0.0 196.0
119 64.8 0.0 135.6

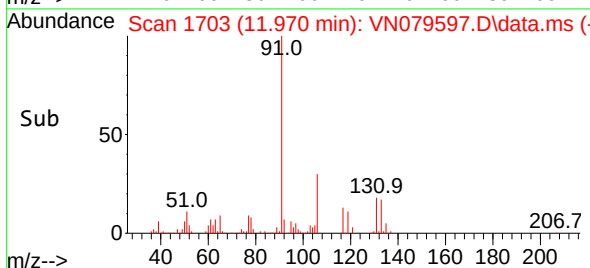
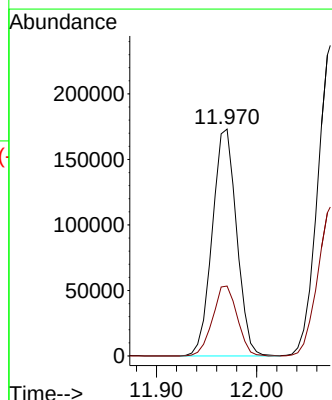
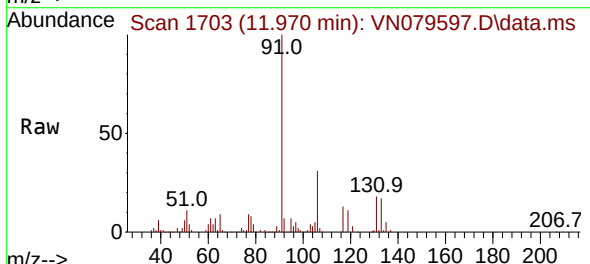
Manual Integrations
APPROVED

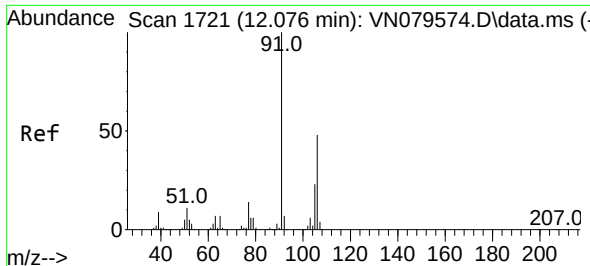
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#66
Ethyl Benzene
Concen: 19.523 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

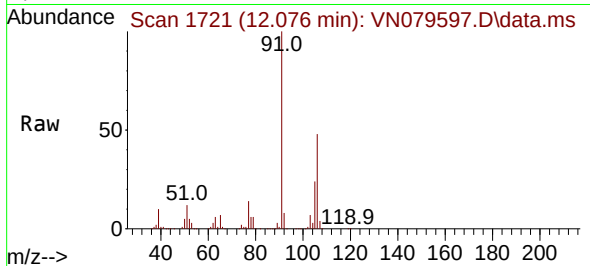
Tgt Ion: 91 Resp: 292493
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.8





#67
m/p-Xylenes
Concen: 40.518 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

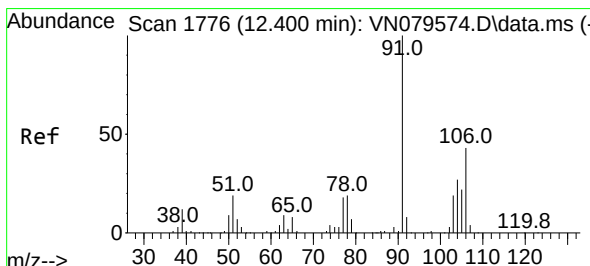
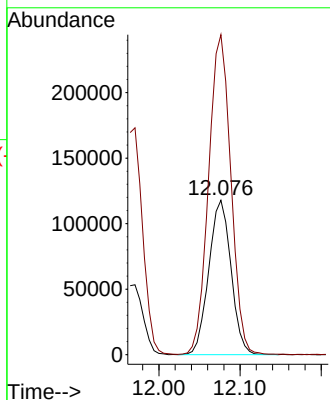
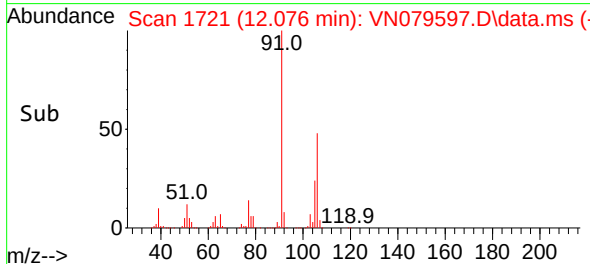
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion:106 Resp: 224518
Ion Ratio Lower Upper
106 100
91 207.7 161.8 242.6

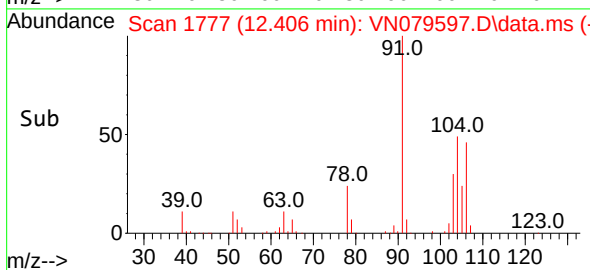
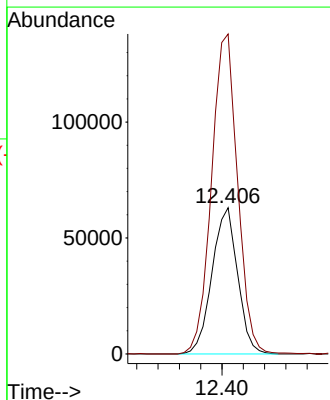
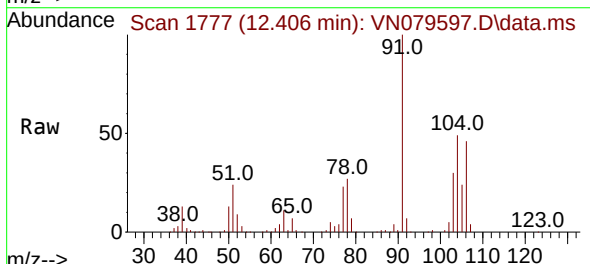
Manual Integrations
APPROVED

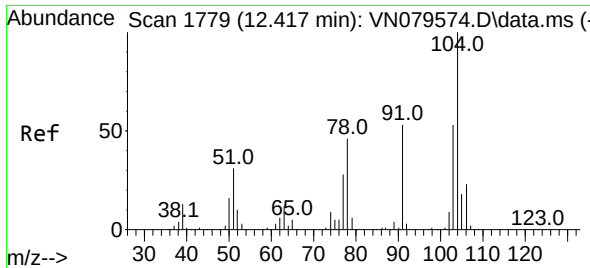
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#68
o-Xylene
Concen: 19.821 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion:106 Resp: 104996
Ion Ratio Lower Upper
106 100
91 222.9 109.9 329.7





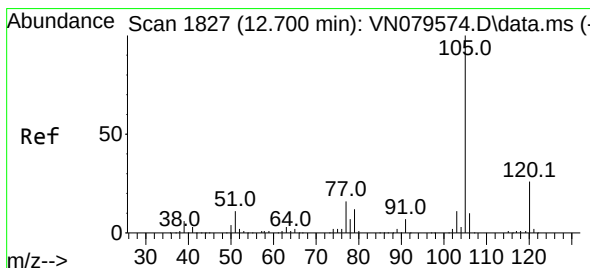
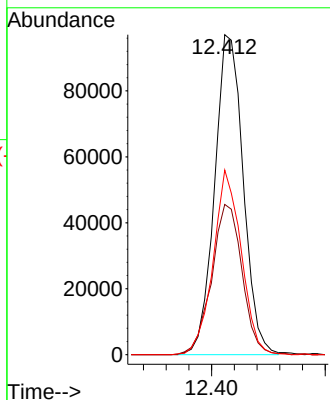
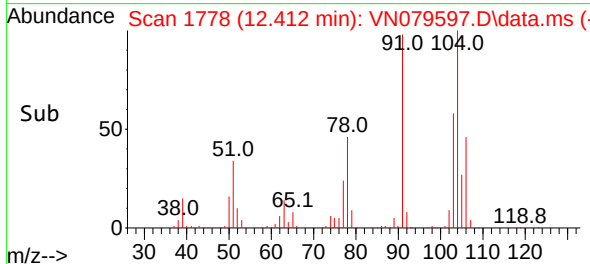
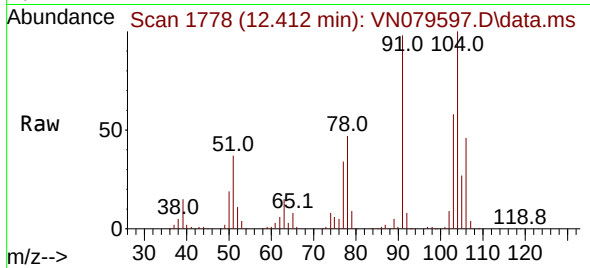
#69
Styrene
Concen: 20.204 ug/l
RT: 12.412 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion:104 Resp: 16990
Ion Ratio Lower Upper
104 100
78 49.9 41.2 61.8
103 56.4 43.1 64.7

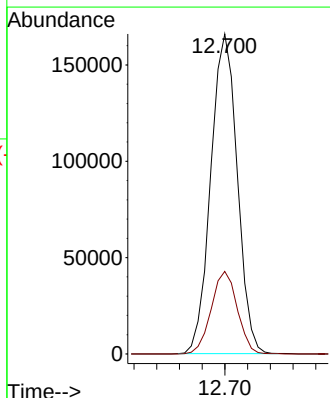
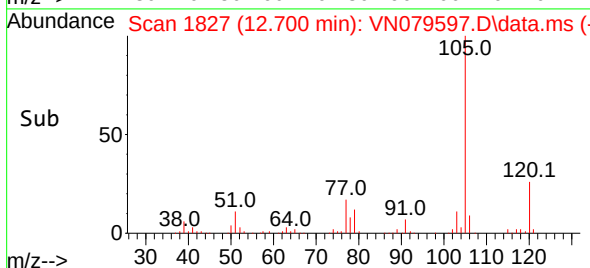
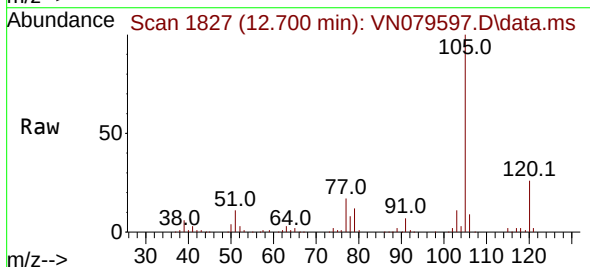
Manual Integrations
APPROVED

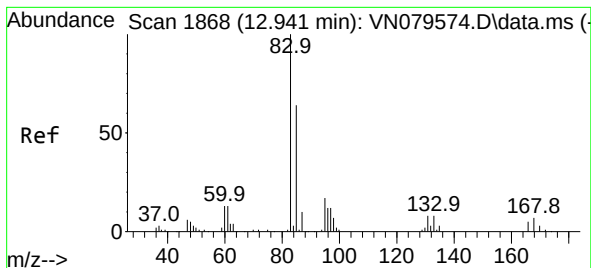
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#70
Isopropylbenzene
Concen: 19.770 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Tgt Ion:105 Resp: 268760
Ion Ratio Lower Upper
105 100
120 25.4 18.1 33.5





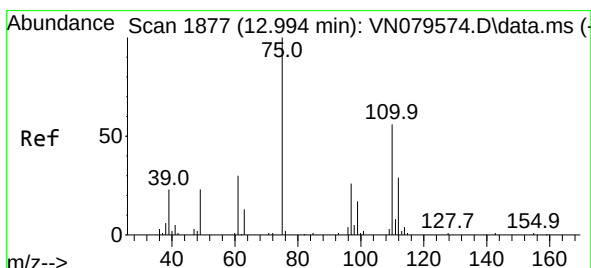
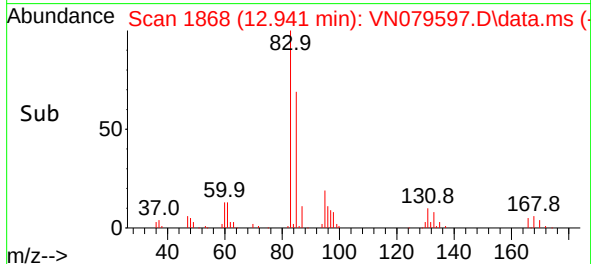
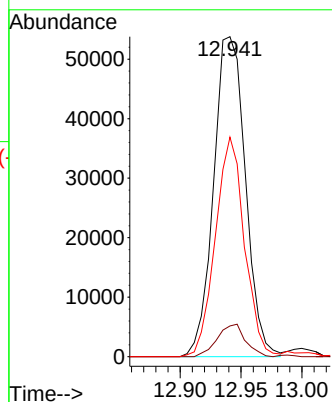
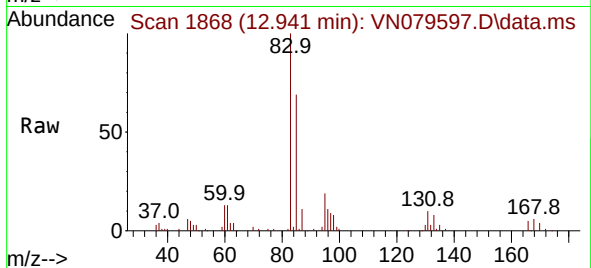
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.234 ug/l
 RT: 12.941 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tgt Ion: 83 Resp: 97808
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.4
 85 62.7 32.1 96.3

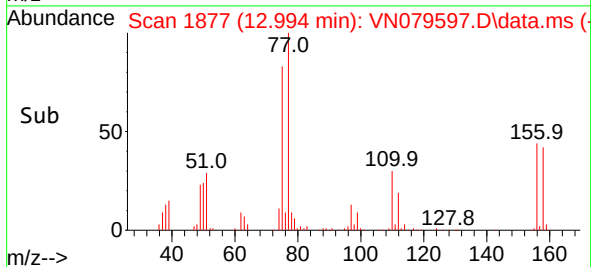
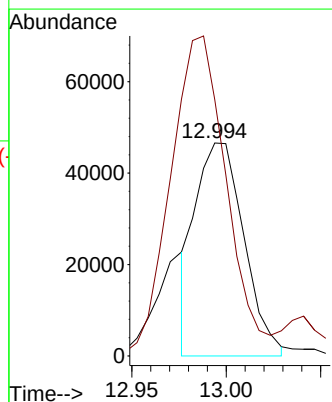
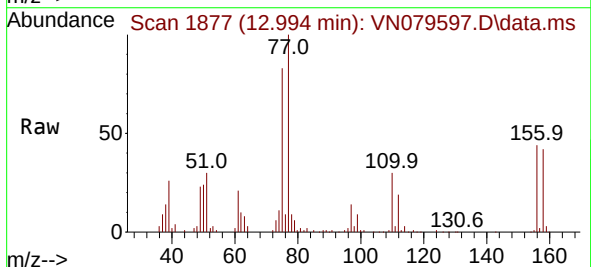
Manual Integrations
 APPROVED

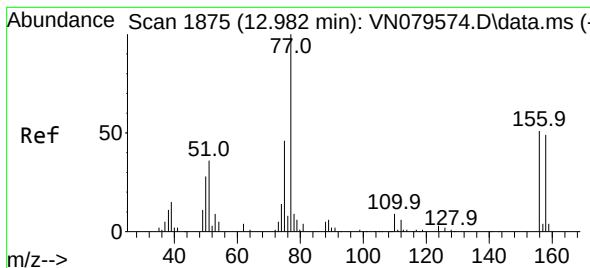
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#72
 1,2,3-Trichloropropane
 Concen: 19.015 ug/l m
 RT: 12.994 min Scan# 1877
 Delta R.T. 0.000 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

Tgt Ion: 75 Resp: 83470
 Ion Ratio Lower Upper
 75 100
 77 172.7 0.0 338.2





#73

Bromobenzene

Concen: 19.952 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

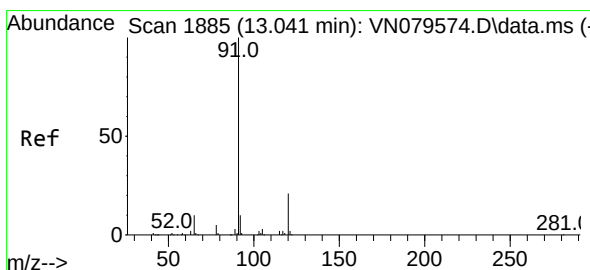
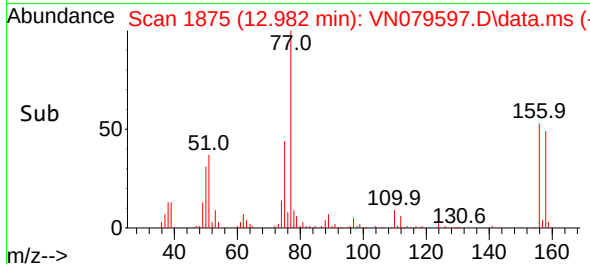
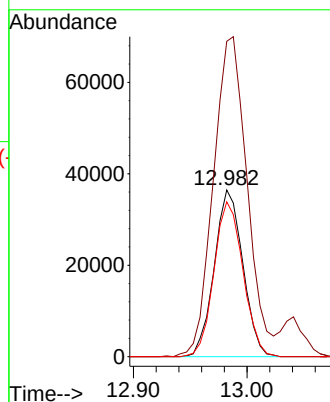
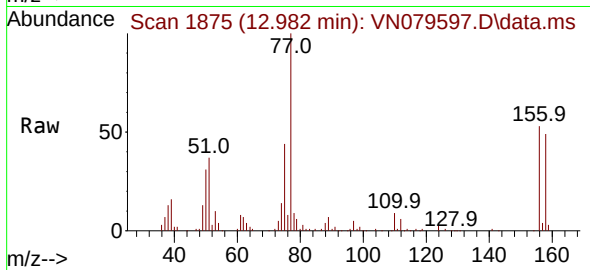
Tgt Ion:156 Resp: 63718
 Ion Ratio Lower Upper
 156 100
 77 226.2 0.0 448.2
 158 94.3 0.0 194.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#74

n-propylbenzene

Concen: 20.352 ug/l

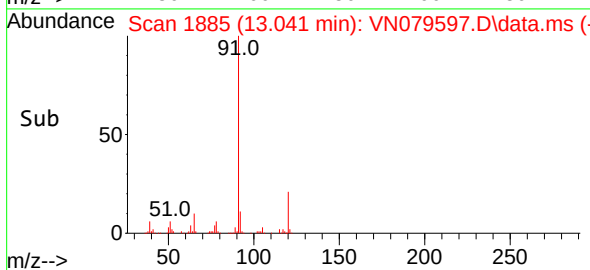
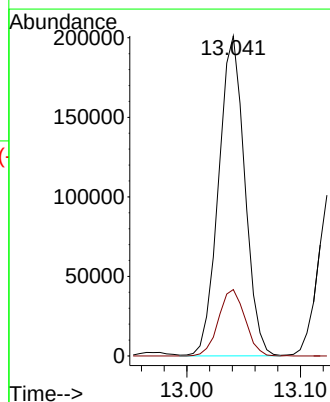
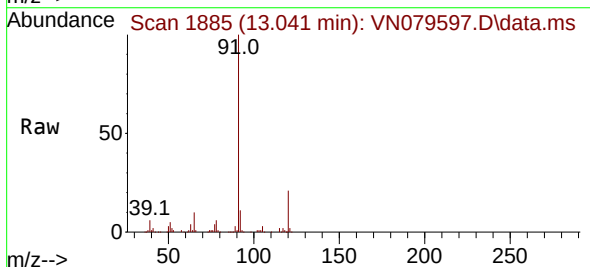
RT: 13.041 min Scan# 1885

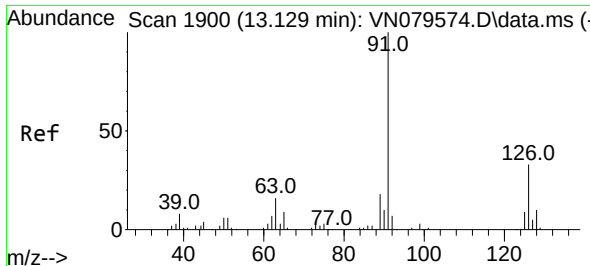
Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Tgt Ion: 91 Resp: 322110
 Ion Ratio Lower Upper
 91 100
 120 21.0 0.0 42.0





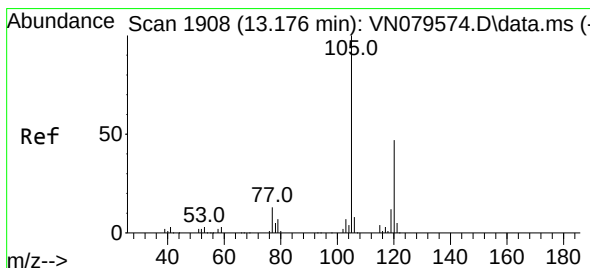
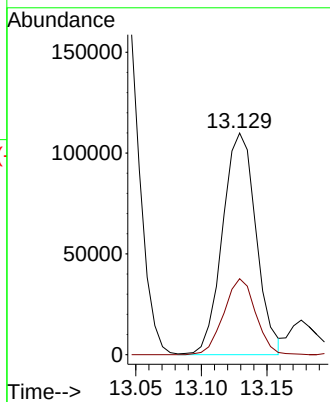
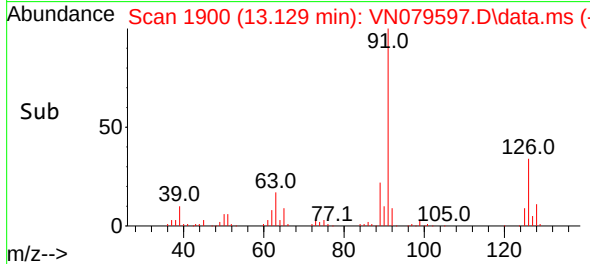
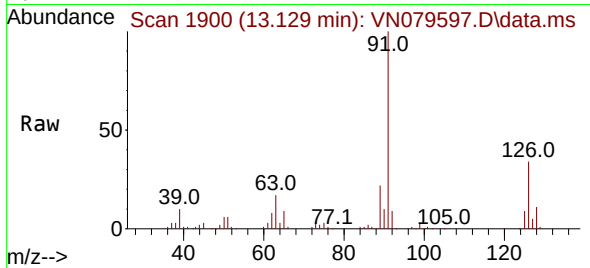
#75
2-Chlorotoluene
Concen: 19.924 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01

Tgt Ion: 91 Resp: 19604
Ion Ratio Lower Upper
91 100
126 32.5 0.0 64.6

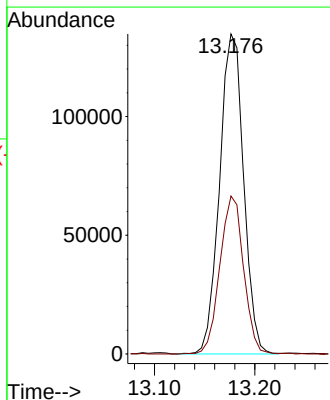
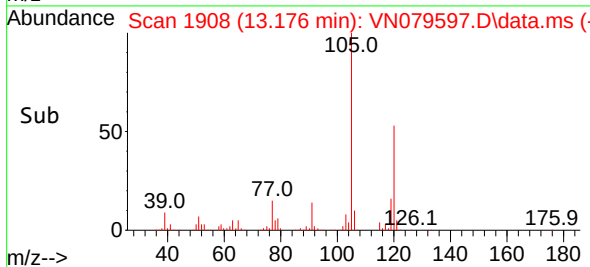
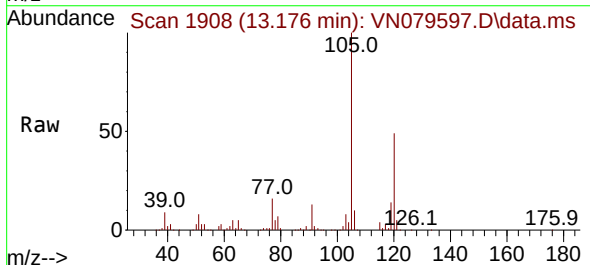
Manual Integrations
APPROVED

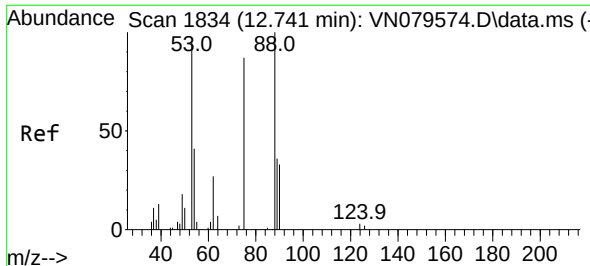
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.165 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

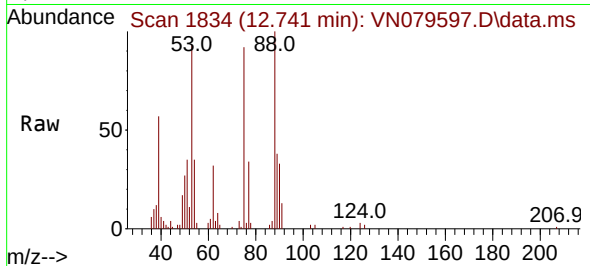
Tgt Ion:105 Resp: 224099
Ion Ratio Lower Upper
105 100
120 48.3 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 18.485 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

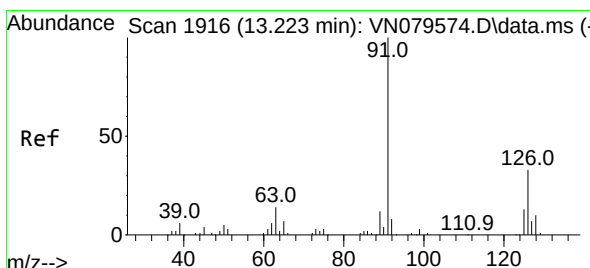
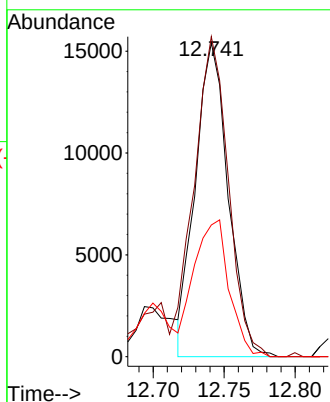
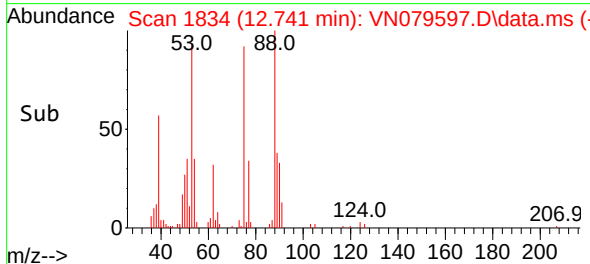
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 75 Resp: 24760
Ion Ratio Lower Upper
75 100
53 102.0 53.0 159.1
89 42.0 22.6 67.7

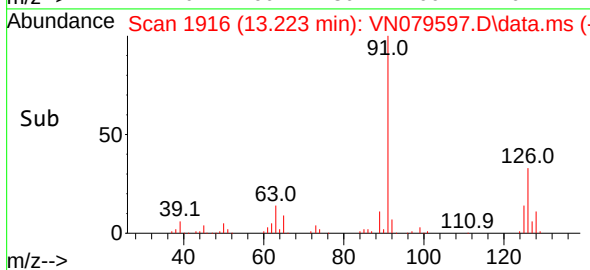
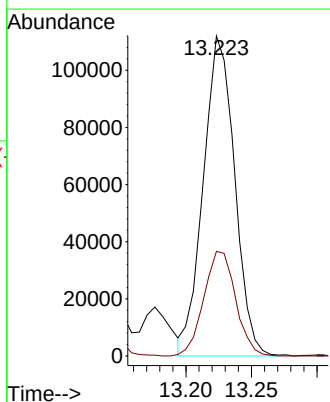
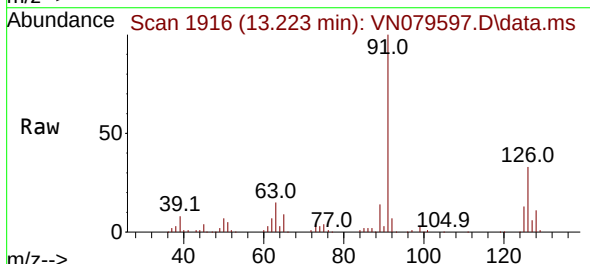
Manual Integrations
APPROVED

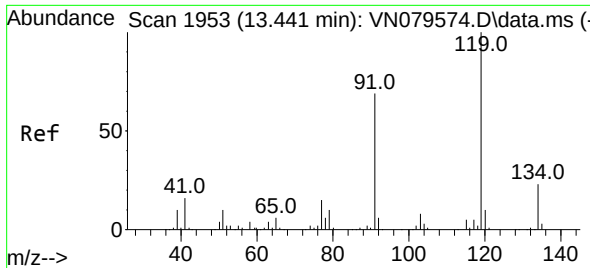
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#78
4-Chlorotoluene
Concen: 20.069 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

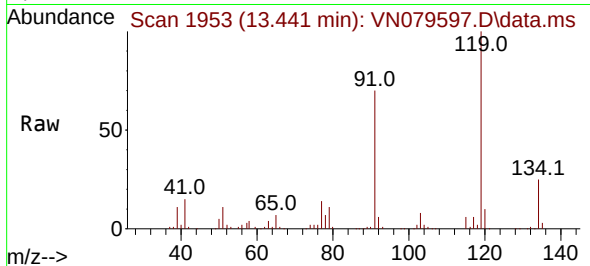
Tgt Ion: 91 Resp: 186571
Ion Ratio Lower Upper
91 100
126 33.2 0.0 65.4





#79
tert-butylbenzene
Concen: 19.437 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

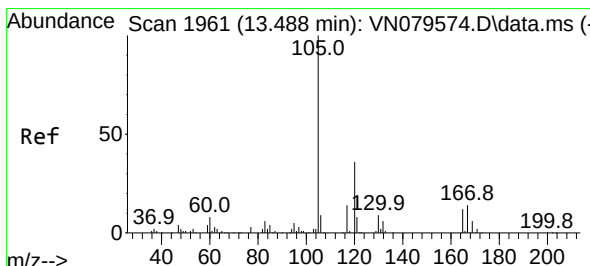
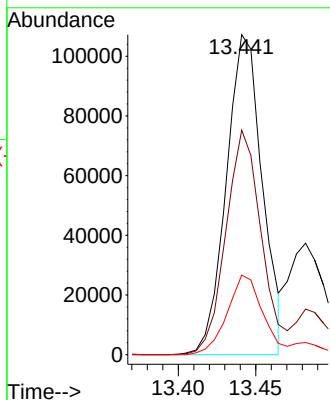
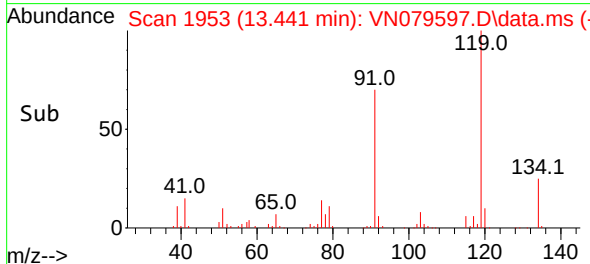
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



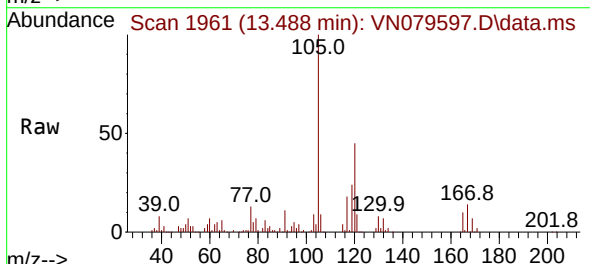
Tgt Ion:119 Resp: 173679
Ion Ratio Lower Upper
119 100
91 69.4 0.0 140.6
134 24.6 0.0 49.8

Manual Integrations
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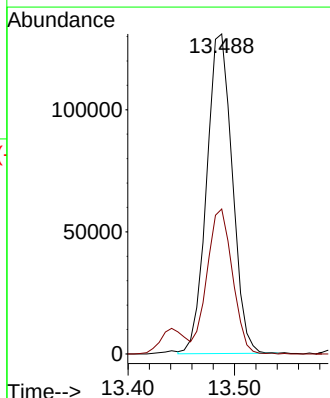
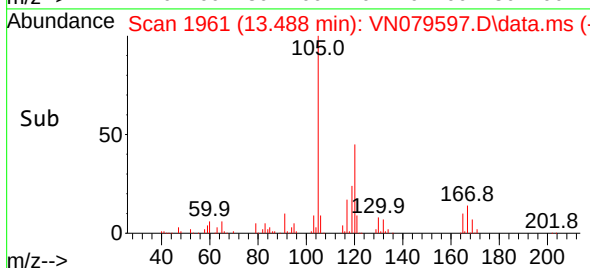
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

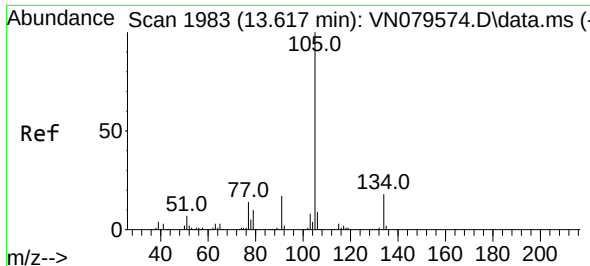


#80
1,2,4-Trimethylbenzene
Concen: 20.353 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



Tgt Ion:105 Resp: 219167
Ion Ratio Lower Upper
105 100
120 44.9 0.0 88.6





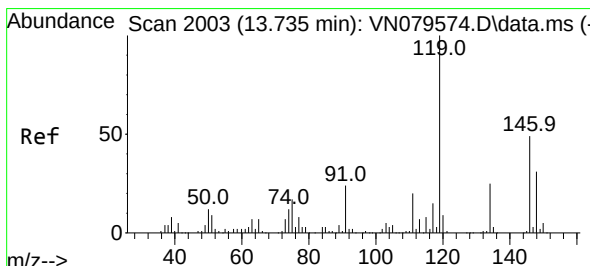
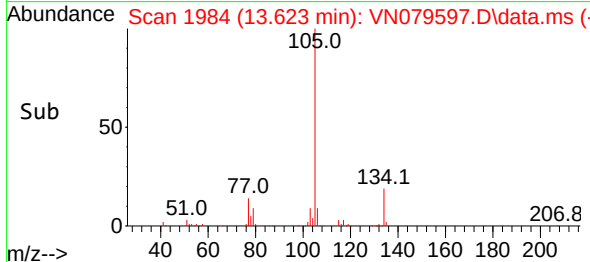
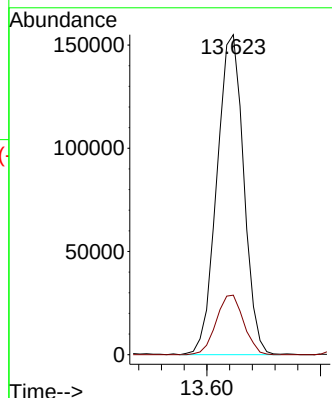
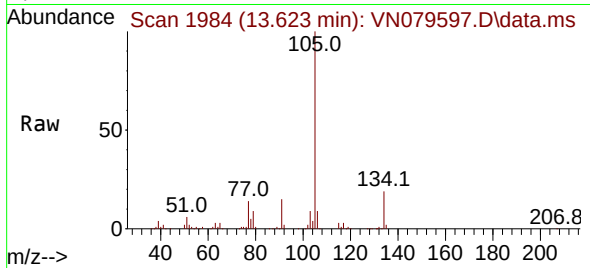
#81
 sec-Butylbenzene
 Concen: 20.262 ug/l
 RT: 13.623 min Scan# 1983
 Delta R.T. 0.006 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Tgt Ion:105 Resp: 25416
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.2

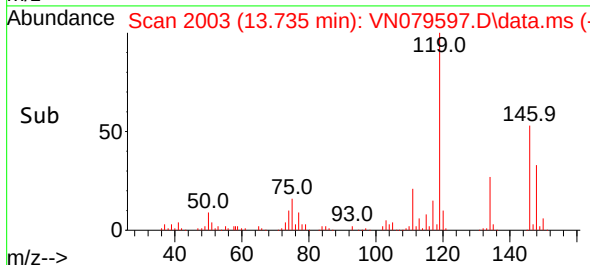
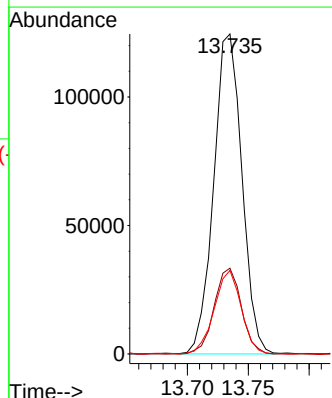
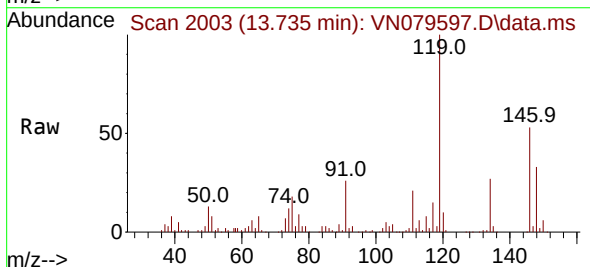
Manual Integrations
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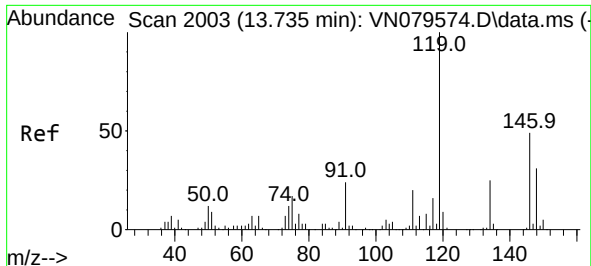
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#82
 p-Isopropyltoluene
 Concen: 20.176 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

Tgt Ion:119 Resp: 200759
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 52.2
 91 24.9 0.0 50.0





#83

1,3-Dichlorobenzene

Concen: 20.798 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

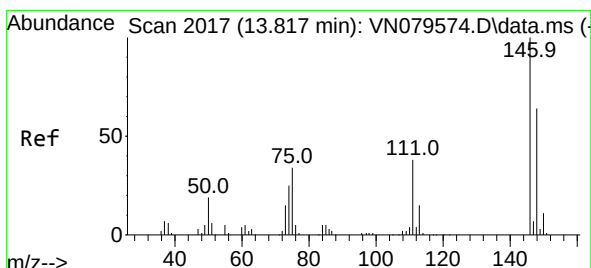
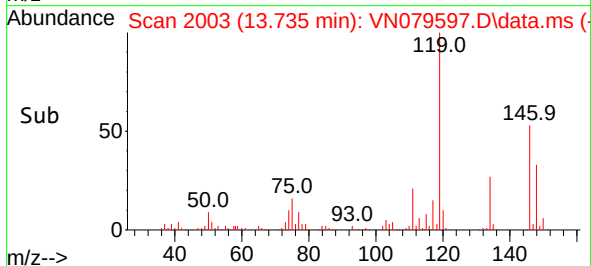
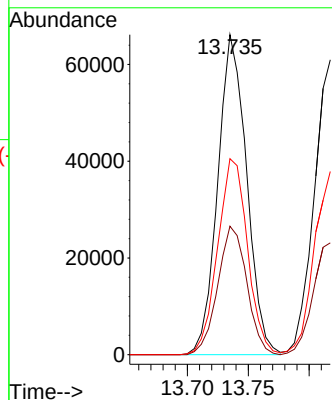
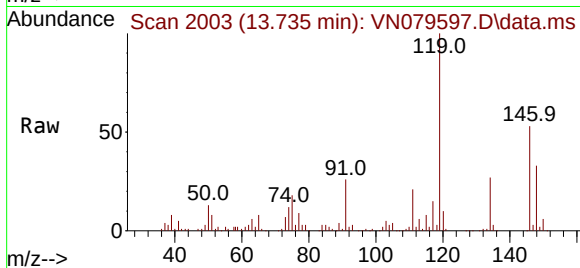
Tgt Ion:146 Resp: 10921
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.0 63.0
 148 63.4 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#84

1,4-Dichlorobenzene

Concen: 19.572 ug/l

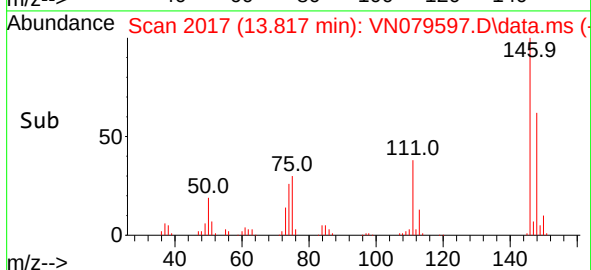
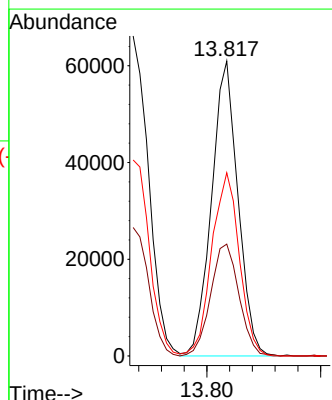
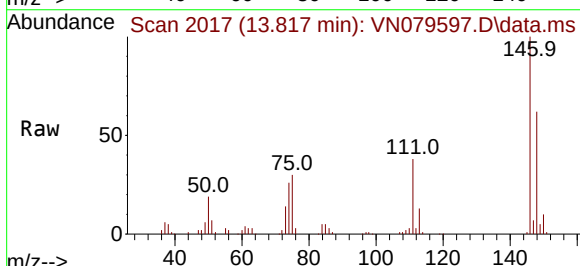
RT: 13.817 min Scan# 2017

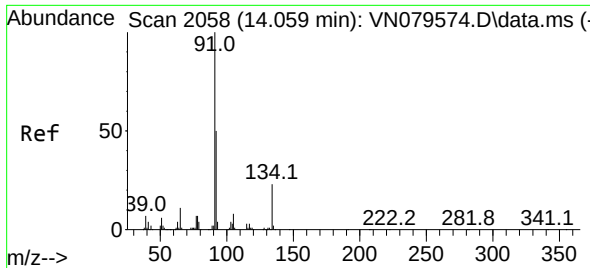
Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

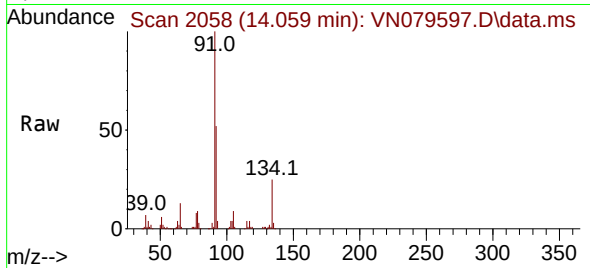
Tgt Ion:146 Resp: 98531
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.9 59.7
 148 64.7 32.6 97.7





#85
n-Butylbenzene
Concen: 19.164 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

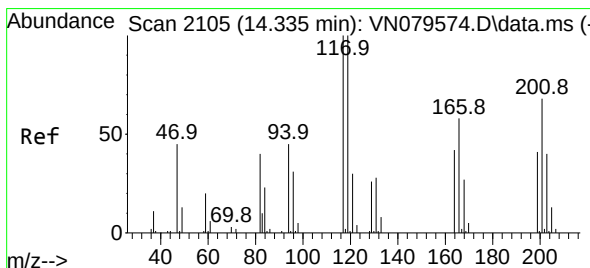
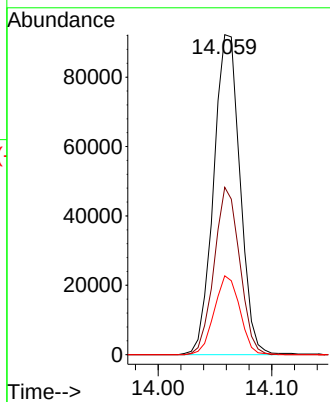
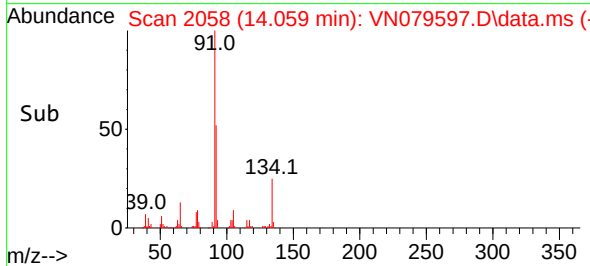
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



Tgt Ion: 91 Resp: 14898
Ion Ratio Lower Upper
91 100
92 50.5 0.0 99.6
134 23.9 0.0 46.2

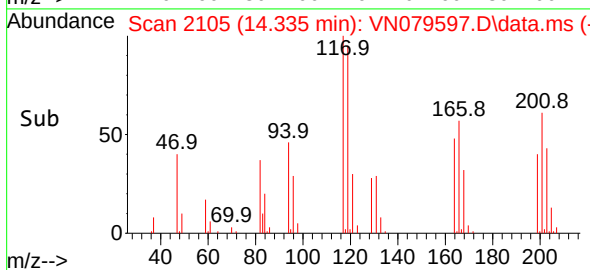
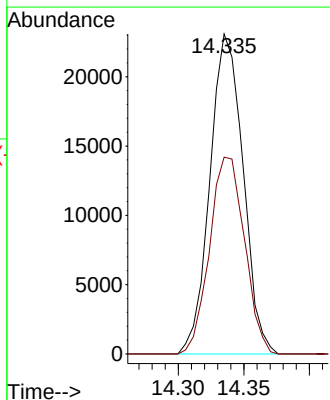
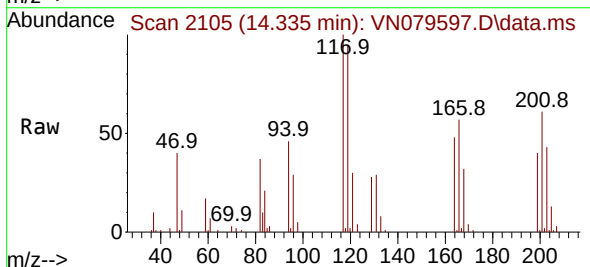
Manual Integrations
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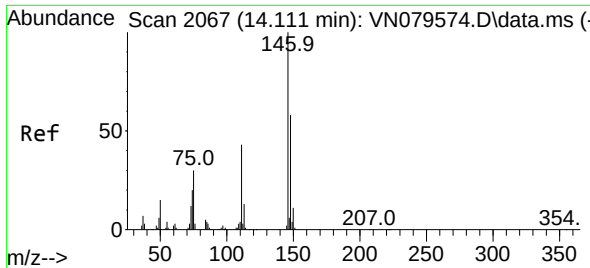
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#86
Hexachloroethane
Concen: 18.869 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

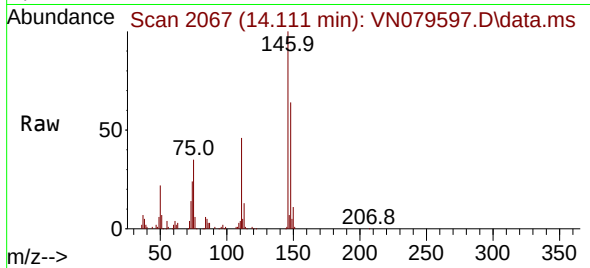
Tgt Ion:117 Resp: 40589
Ion Ratio Lower Upper
117 100
201 64.8 32.5 97.5





#87
 1,2-Dichlorobenzene
 Concen: 19.932 ug/l
 RT: 14.111 min Scan# 2067
 Delta R.T. 0.000 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

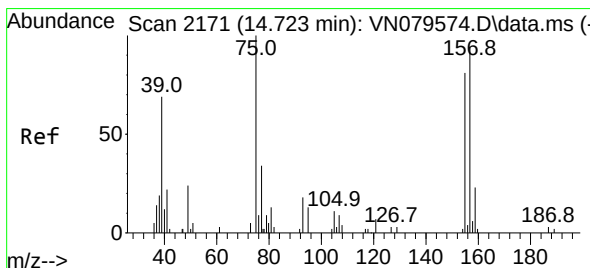
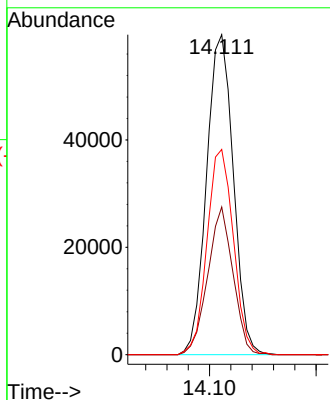
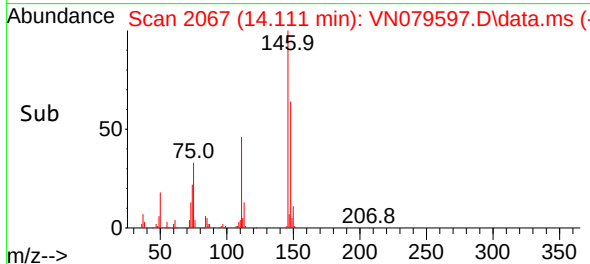
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01



Tgt Ion:146 Resp: 104040
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.0 66.0
 148 63.3 31.1 93.5

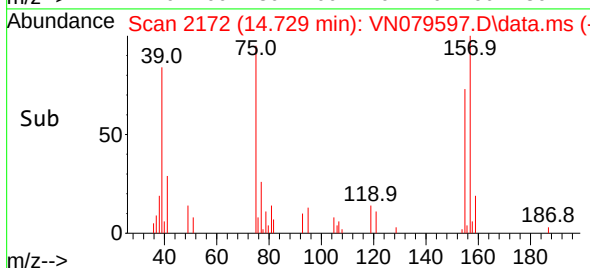
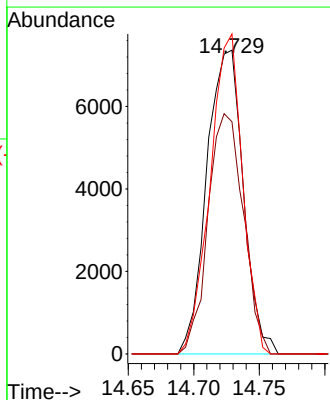
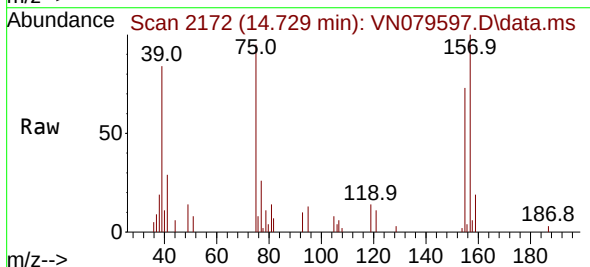
Manual Integrations
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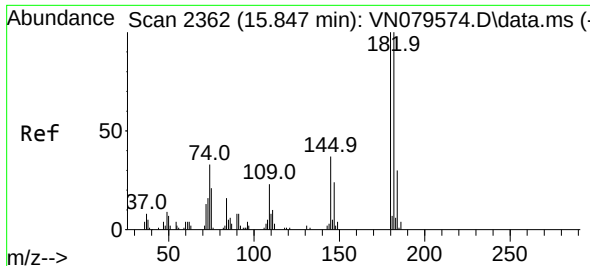
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.325 ug/l
 RT: 14.729 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VN079597.D
 Acq: 18 Oct 2023 13:01

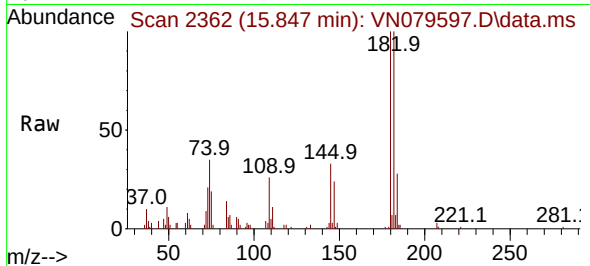
Tgt Ion: 75 Resp: 14234
 Ion Ratio Lower Upper
 75 100
 155 77.0 60.7 91.1
 157 93.7 76.8 115.2





#89
1,2,4-Trichlorobenzene
Concen: 17.834 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01

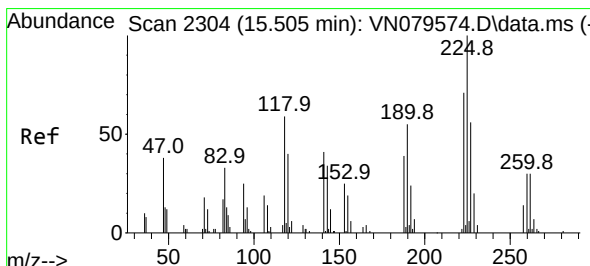
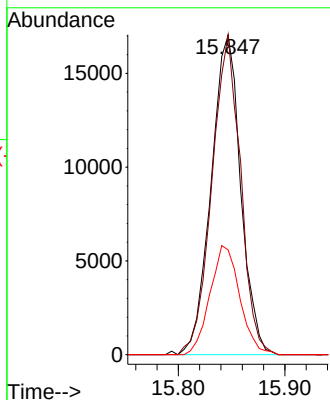
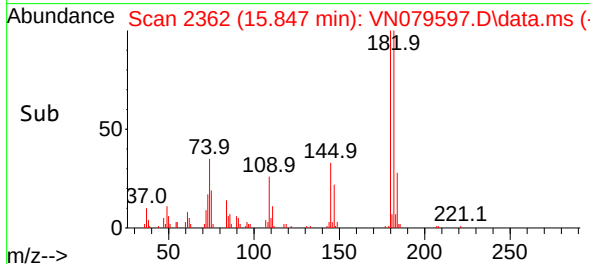
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBSD01



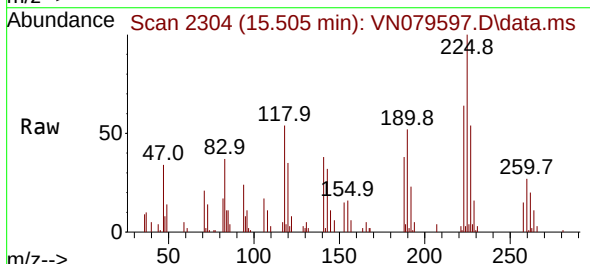
Tgt Ion:180 Resp: 32810
Ion Ratio Lower Upper
180 100
182 96.6 74.2 111.4
145 34.4 25.4 38.2

Manual Integrations
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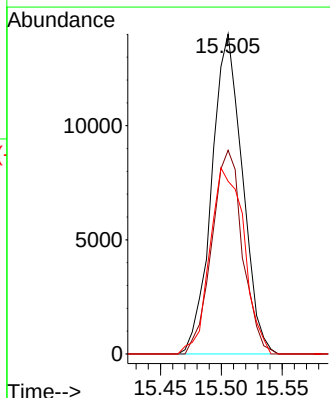
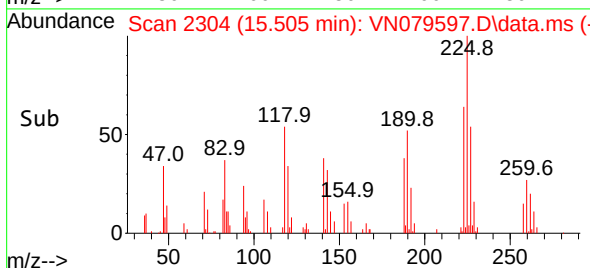
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

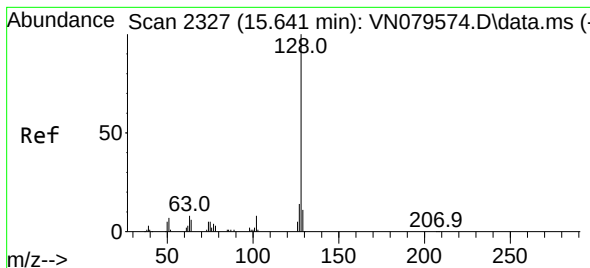


#90
Hexachlorobutadiene
Concen: 18.893 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN079597.D
Acq: 18 Oct 2023 13:01



Tgt Ion:225 Resp: 24620
Ion Ratio Lower Upper
225 100
223 63.7 0.0 126.0
227 64.7 0.0 127.0





#91

Naphthalene

Concen: 15.223 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBSD01

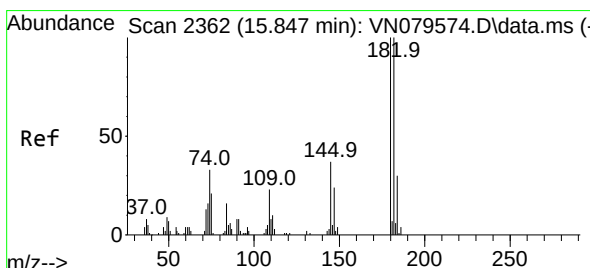
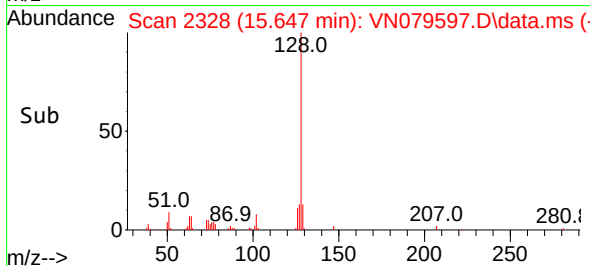
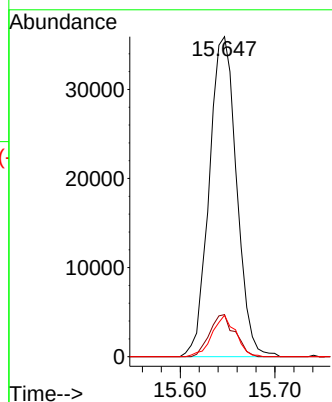
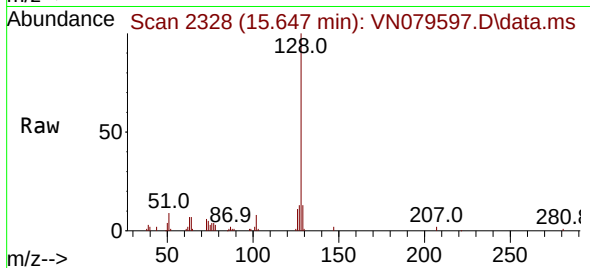
Tgt Ion:128 Resp: 72240
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.9 16.3
 129 11.2 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#92

1,2,3-Trichlorobenzene

Concen: 17.834 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN079597.D

Acq: 18 Oct 2023 13:01

Tgt Ion:180 Resp: 32810
 Ion Ratio Lower Upper
 180 100
 182 96.6 0.0 185.6
 145 34.4 0.0 63.6

