

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078871.D
 Acq On : 11 Aug 2023 18:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 12 01:43:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	27378	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	146286	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	127940	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	65626	29.774	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.233%		
60) 4-Bromofluorobenzene	12.853	95	54779	30.503	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.667%		
63) Toluene-d8	10.577	98	188836	30.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	41981	22.245	ug/l	99
3) Chloromethane	2.371	50	49709	22.120	ug/l	97
4) Vinyl Chloride	2.518	62	50734	23.725	ug/l	100
5) Bromomethane	2.959	94	31110	20.000	ug/l	98
6) Chloroethane	3.124	64	32101	21.133	ug/l	96
7) Trichlorofluoromethane	3.501	101	63943	21.787	ug/l	87
8) Diethyl Ether	3.977	74	23009	22.047	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.383	101	33768	21.448	ug/l	93
10) 1,1-Dichloroethene	4.353	96	32016	20.998	ug/l	86
11) Methyl Iodide	4.600	142	42967	21.125	ug/l	87
12) Methyl Acetate	5.042	43	72392	21.844	ug/l	96
13) Acrolein	4.195	56	35681	101.654	ug/l	99
14) Acrylonitrile	5.736	53	90151	103.240	ug/l	98
15) Acetone	4.448	58	22802	101.345	ug/l	93
16) Carbon Disulfide	4.718	76	93355	21.151	ug/l	97
17) Allyl chloride	5.042	41	56676m	21.265	ug/l	
18) Methylene Chloride	5.289	84	40577	21.326	ug/l #	74
19) trans-1,2-Dichloroethene	5.795	96	37818	21.602	ug/l	97
20) Diisopropyl ether	6.683	45	134243	22.430	ug/l #	95
21) 1,1-Dichloroethane	6.577	63	72779	21.329	ug/l	98
22) cis-1,2-Dichloroethene	7.500	96	43027	22.174	ug/l	99
23) tert-Butyl Alcohol	5.530	59	29000m	89.374	ug/l	
24) Methyl tert-Butyl Ether	5.812	73	111880	21.923	ug/l #	84
25) Chloroform	7.977	83	74746	22.065	ug/l	84
26) Cyclohexane	8.271	56	57285	21.315	ug/l #	92
29) 1,1-Dichloropropene	8.377	75	54650	22.995	ug/l	81
30) 2-Butanone	7.494	43	127151	109.155	ug/l #	91
31) 2,2-Dichloropropane	7.500	77	55057	22.466	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	65030	23.235	ug/l #	75
33) Carbon Tetrachloride	8.371	117	52924	21.909	ug/l	97
34) Benzene	8.612	78	169907	23.495	ug/l	95
35) Methacrylonitrile	7.783	41	29662	21.685	ug/l	79
36) 1,2-Dichloroethane	8.677	62	59803	23.657	ug/l #	89
37) Trichloroethene	9.359	130	38205	21.955	ug/l	95
38) Methylcyclohexane	9.606	83	50161	22.293	ug/l	90
39) 1,2-Dichloropropane	9.635	63	43336	22.651	ug/l	94
40) Dibromomethane	9.718	93	28523	22.388	ug/l	95
41) Bromodichloromethane	9.900	83	58937	22.959	ug/l #	90
42) Vinyl Acetate	6.618	43	425523	116.085	ug/l #	94

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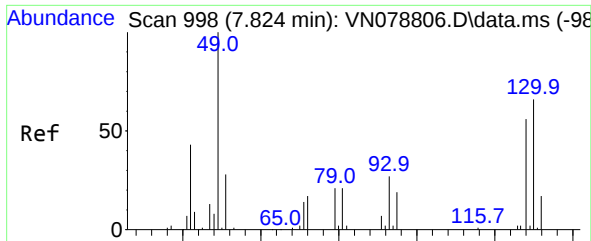
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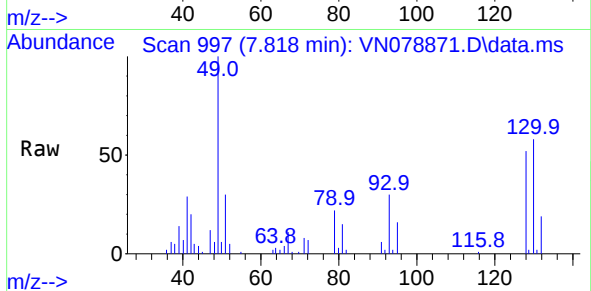
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	48789	20.176	ug/l	97
44) Isopropyl Acetate	8.700	43	99595	22.937	ug/l	92
45) 1,4-Dioxane	9.706	88	13818	474.322	ug/l #	85
46) Methyl methacrylate	9.688	41	43166	23.476	ug/l	85
47) n-amyl Acetate	12.500	43	73596	24.244	ug/l	94
48) t-1,3-Dichloropropene	10.841	75	56931	21.963	ug/l	92
49) cis-1,3-Dichloropropene	10.318	75	65272	22.642	ug/l #	85
50) 1,1,2-Trichloroethane	11.024	97	38792	22.408	ug/l	94
51) Ethyl methacrylate	10.882	69	55373	22.820	ug/l	80
52) 1,3-Dichloropropane	11.171	76	68069	22.900	ug/l	97
53) Dibromochloromethane	11.365	129	39097	21.639	ug/l	95
54) 1,2-Dibromoethane	11.477	107	39547	23.383	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	105302	117.672	ug/l	96
56) Bromoform	12.582	173	25737	22.755	ug/l	97
58) 4-Methyl-2-Pentanone	10.453	43	282056	114.696	ug/l #	92
59) 2-Hexanone	11.200	43	197372	115.497	ug/l	90
61) Tetrachloroethene	11.112	164	30633	20.928	ug/l	91
62) Toluene	10.635	91	174386	23.152	ug/l	100
64) Chlorobenzene	11.900	112	97232	22.050	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.971	131	37946	22.335	ug/l	98
66) Ethyl Benzene	11.971	91	169955	21.726	ug/l	100
67) m/p-Xylenes	12.076	106	128552	44.817	ug/l	95
68) o-Xylene	12.406	106	63167	22.125	ug/l	96
69) Styrene	12.418	104	101859	23.348	ug/l	97
70) Isopropylbenzene	12.700	105	157832	22.381	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	58694	24.561	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	43638m	20.920	ug/l	
73) Bromobenzene	12.988	156	35223	20.898	ug/l	89
74) n-propylbenzene	13.041	91	182597	23.399	ug/l	99
75) 2-Chlorotoluene	13.129	91	114308	23.513	ug/l	96
76) 1,3,5-Trimethylbenzene	13.182	105	129142	23.056	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	15691	23.965	ug/l	82
78) 4-Chlorotoluene	13.229	91	103244	22.892	ug/l	100
79) tert-butylbenzene	13.441	119	105163	22.883	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	129343	24.472	ug/l	99
81) sec-Butylbenzene	13.623	105	147483	23.971	ug/l	99
82) p-Isopropyltoluene	13.735	119	117217	24.323	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	62029	23.813	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	57970	23.304	ug/l	97
85) n-Butylbenzene	14.065	91	94523	26.654	ug/l	95
86) Hexachloroethane	14.335	117	22838	22.498	ug/l	92
87) 1,2-Dichlorobenzene	14.112	146	61933	24.167	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	8018	23.622	ug/l	96
89) 1,2,4-Trichlorobenzene	15.400	180	15091	21.276	ug/l	88
90) Hexachlorobutadiene	15.506	225	12310	23.573	ug/l	94
91) Naphthalene	15.647	128	43531	19.626	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.853	180	18882	22.697	ug/l	96

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

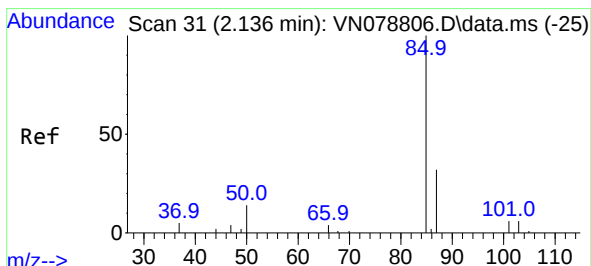
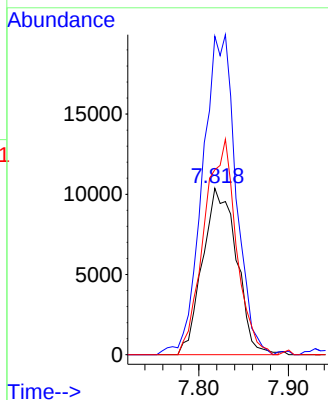
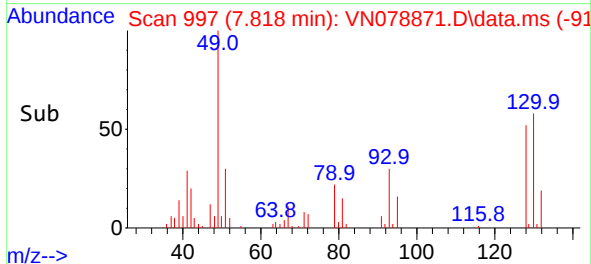
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



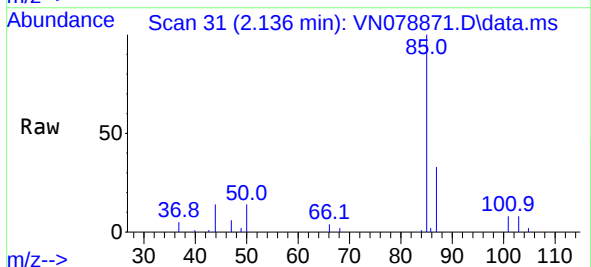
Tgt Ion:128 Resp: 27378
Ion Ratio Lower Upper
128 100
49 187.2 0.0 370.8
130 122.1 0.0 307.0

Manual Integrations
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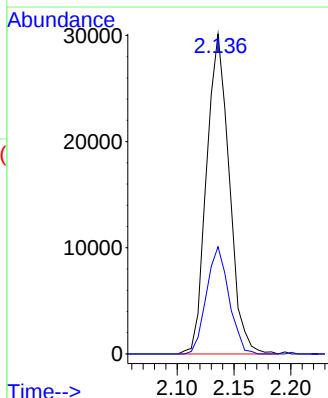
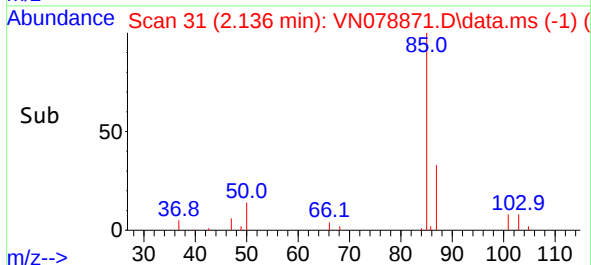
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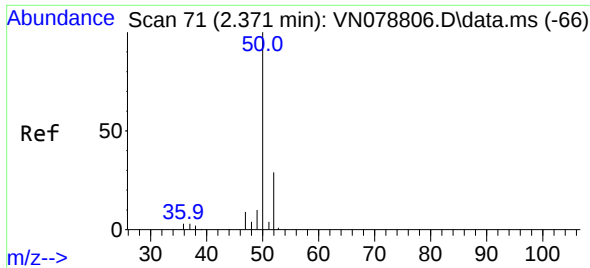


#2
Dichlorodifluoromethane
Concen: 22.245 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



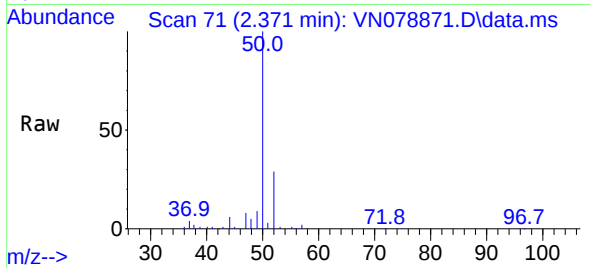
Tgt Ion: 85 Resp: 41981
Ion Ratio Lower Upper
85 100
87 33.5 16.4 49.4





#3
Chloromethane
Concen: 22.120 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

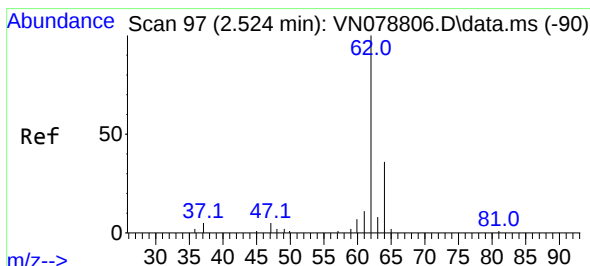
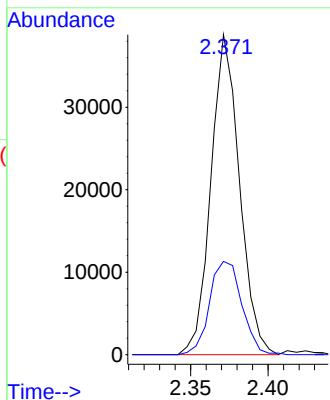
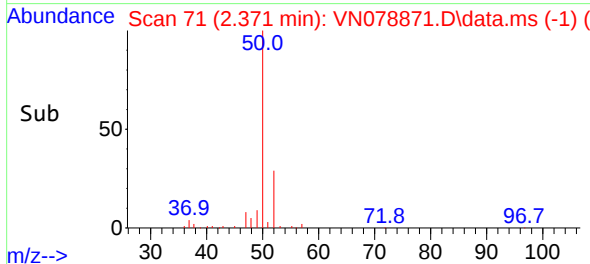
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



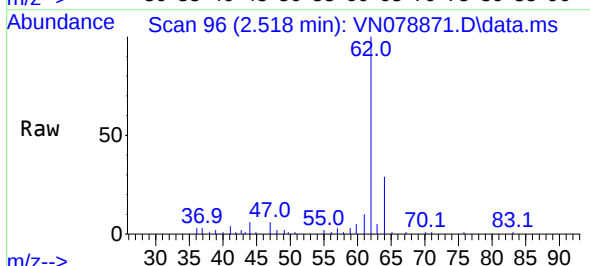
Tgt Ion: 50 Resp: 49709
Ion Ratio Lower Upper
50 100
52 29.1 24.6 36.8

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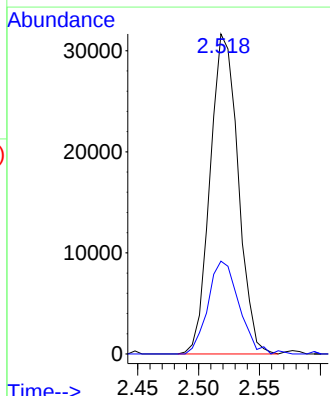
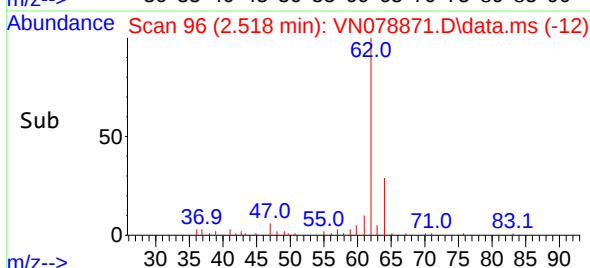
Reviewed By :John Carlone 08/14/2023
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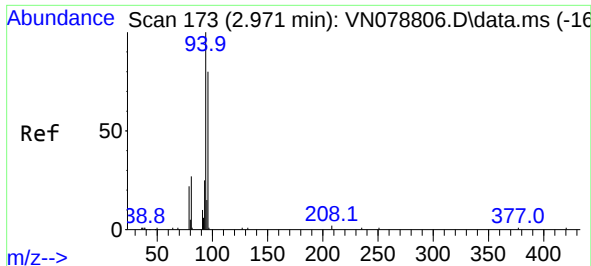


#4
Vinyl Chloride
Concen: 23.725 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



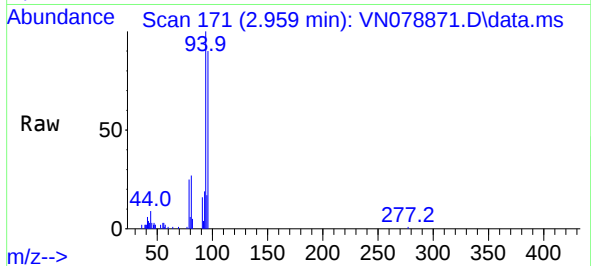
Tgt Ion: 62 Resp: 50734
Ion Ratio Lower Upper
62 100
64 29.0 23.3 34.9





#5
Bromomethane
Concen: 20.000 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

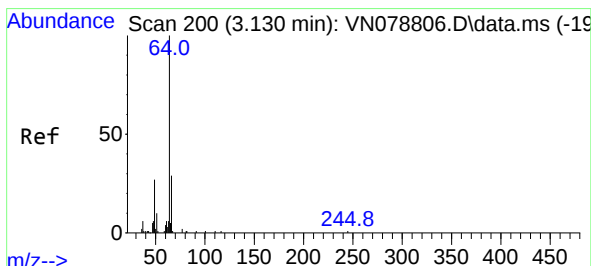
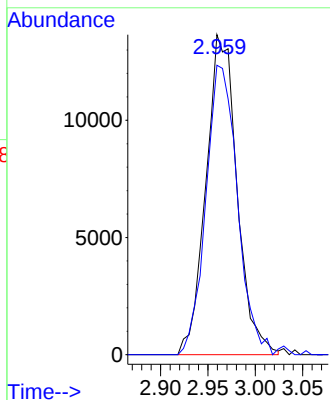
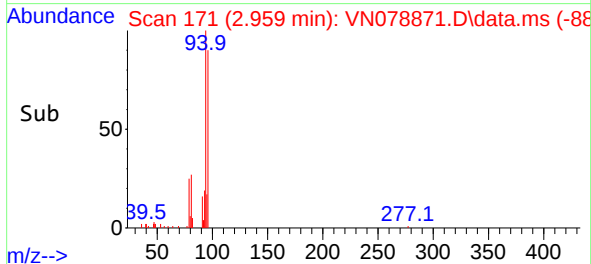
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ClientSampleId :
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Tgt Ion: 94 Resp: 31110
Ion Ratio Lower Upper
94 100
96 90.4 73.9 110.9

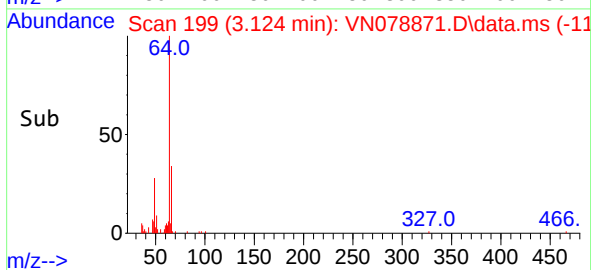
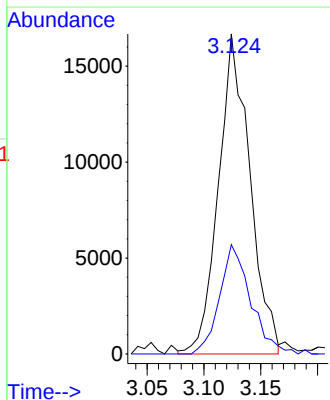
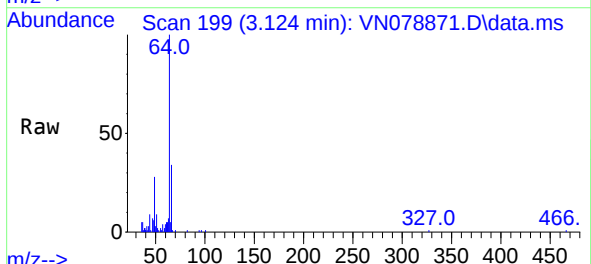
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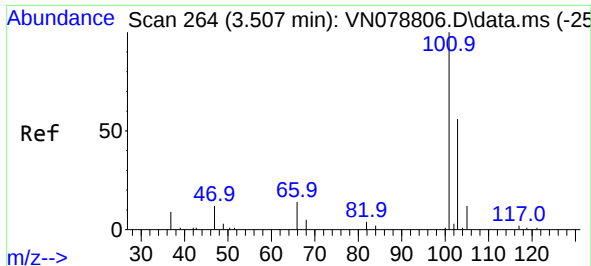
Reviewed By :John Carlone 08/14/2023
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#6
Chloroethane
Concen: 21.133 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

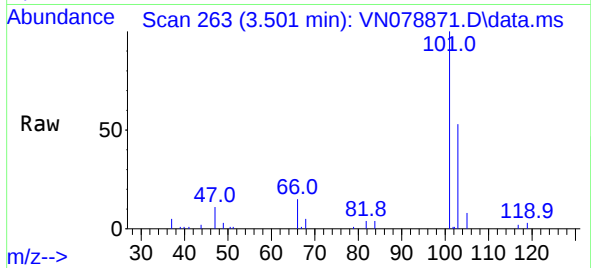
Tgt Ion: 64 Resp: 32101
Ion Ratio Lower Upper
64 100
66 34.5 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 21.787 ug/l
 RT: 3.501 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN078871.D
 Acq: 11 Aug 2023 18:28

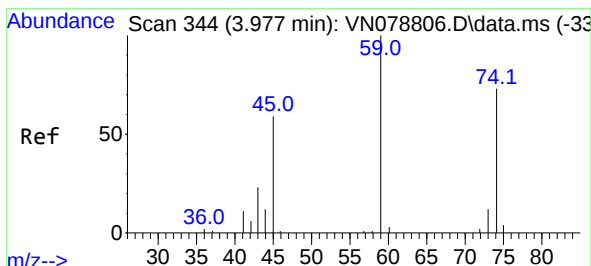
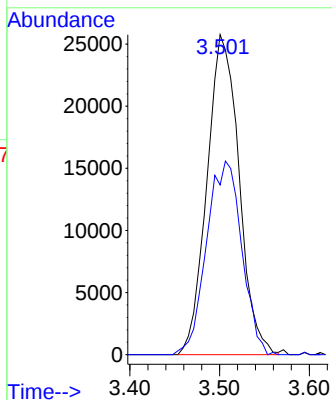
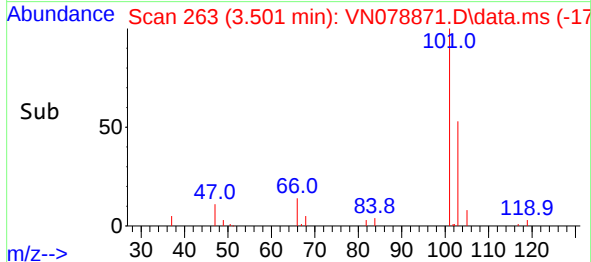
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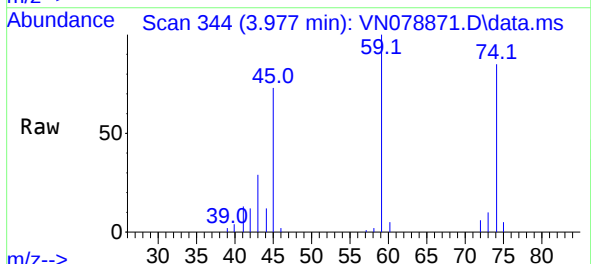
Tgt Ion:101 Resp: 6394
 Ion Ratio Lower Upper
 101 100
 103 53.0 50.4 75.6

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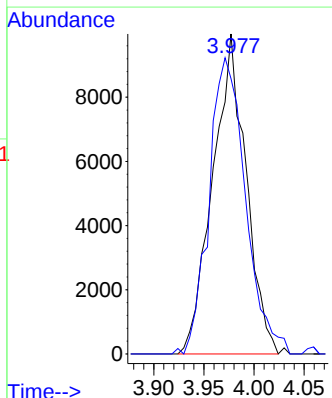
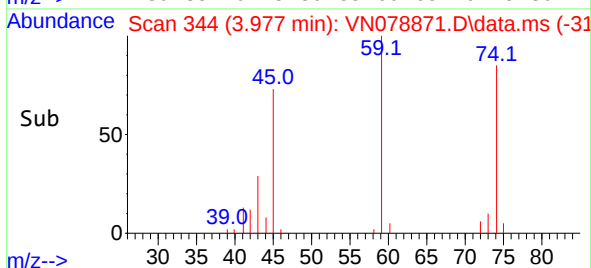
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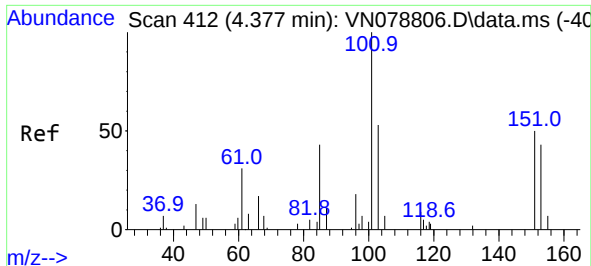


#8
 Diethyl Ether
 Concen: 22.047 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. -0.000 min
 Lab File: VN078871.D
 Acq: 11 Aug 2023 18:28



Tgt Ion: 74 Resp: 23009
 Ion Ratio Lower Upper
 74 100
 45 101.1 16.3 146.5





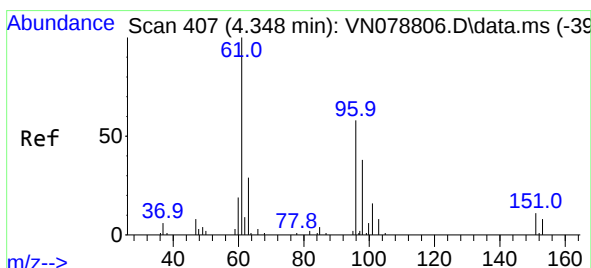
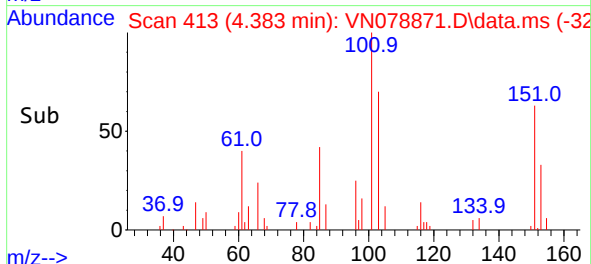
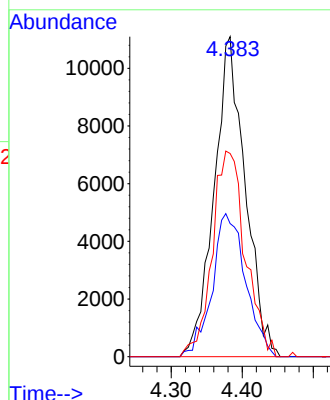
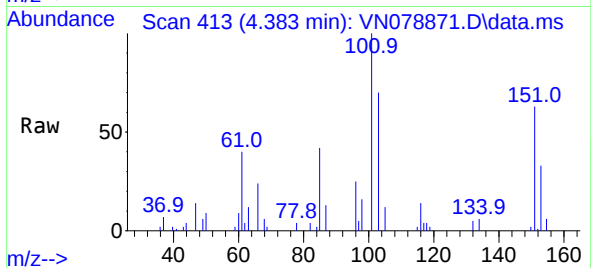
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.448 ug/l
RT: 4.383 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 3376
Ion Ratio Lower Upper
101 100
85 47.6 0.0 89.2
151 67.2 0.0 148.8

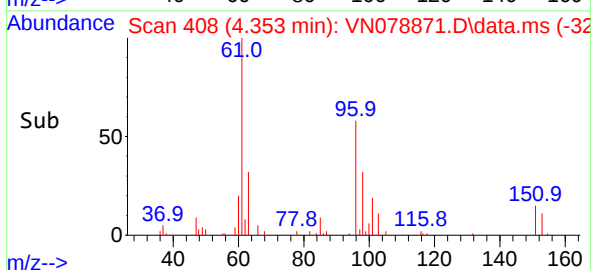
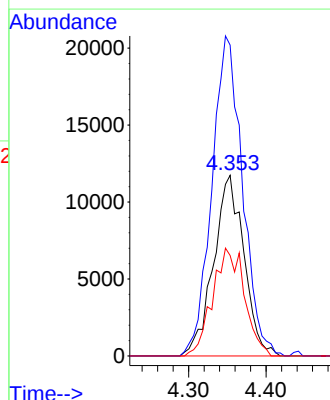
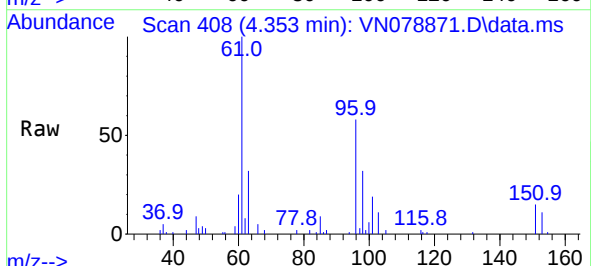
Manual Integrations
APPROVED

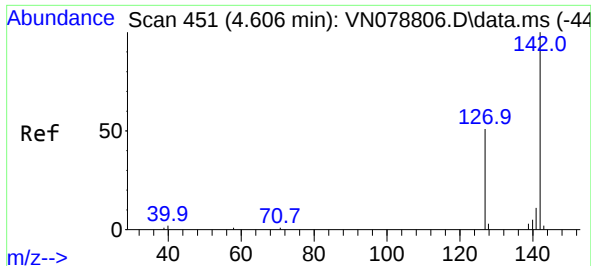
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#10
1,1-Dichloroethene
Concen: 20.998 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 96 Resp: 32016
Ion Ratio Lower Upper
96 100
61 172.1 123.4 185.2
98 55.6 53.7 80.5





#11

Methyl Iodide

Concen: 21.125 ug/l

RT: 4.600 min Scan# 4

Delta R.T. -0.006 min

Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:142 Resp: 4296

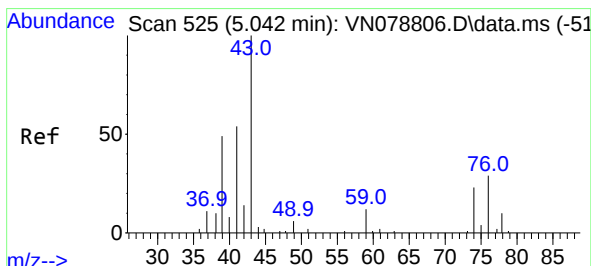
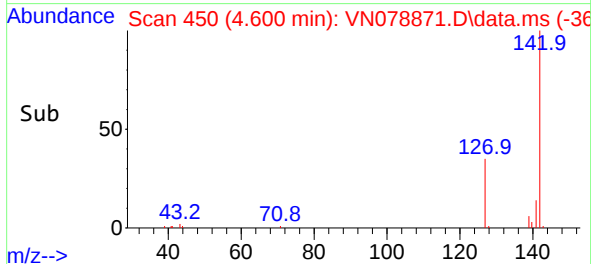
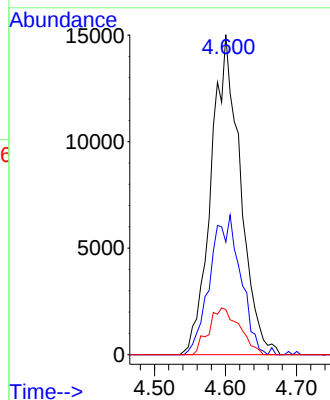
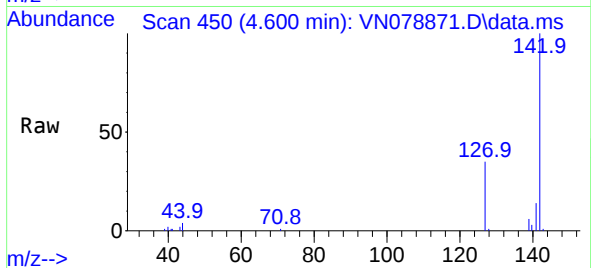
Ion	Ratio	Lower	Upper
142	100		
127	35.2	23.2	69.5
141	14.1	7.2	21.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/14/2023

Supervised By :Mahesh Dadoda 08/15/2023



#12

Methyl Acetate

Concen: 21.844 ug/l

RT: 5.042 min Scan# 525

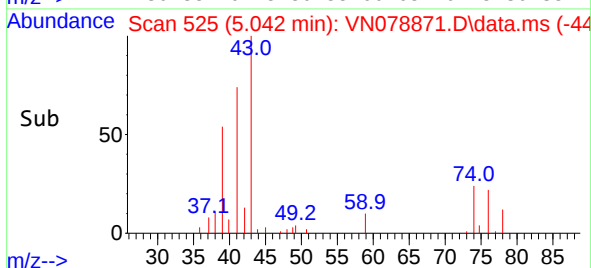
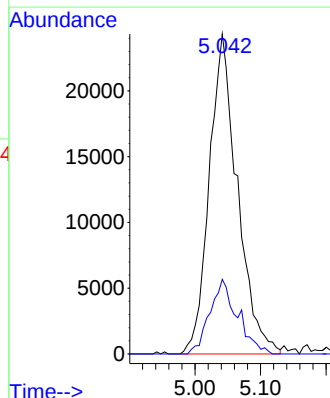
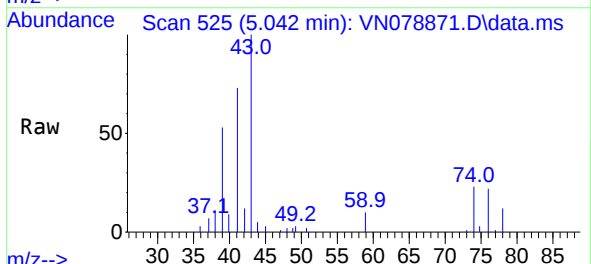
Delta R.T. -0.000 min

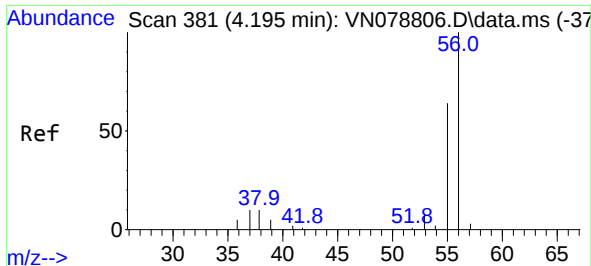
Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Tgt Ion: 43 Resp: 72392

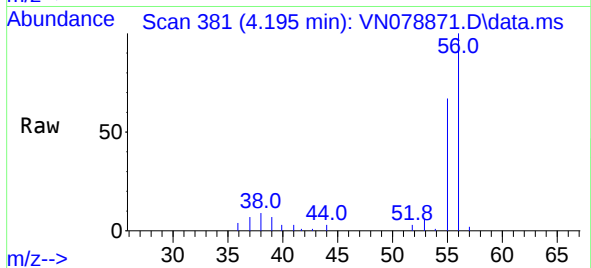
Ion	Ratio	Lower	Upper
43	100		
74	23.5	20.5	30.7





#13
Acrolein
Concen: 101.654 ug/l
RT: 4.195 min Scan# 381
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

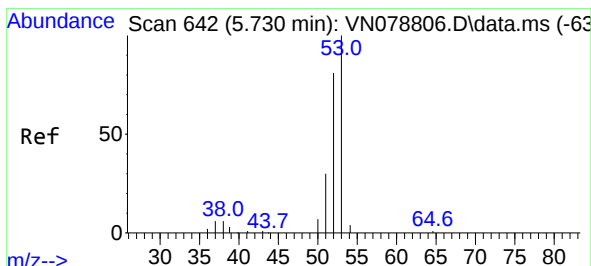
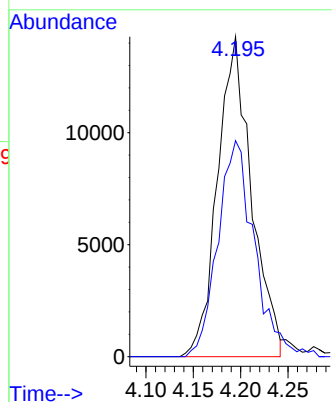
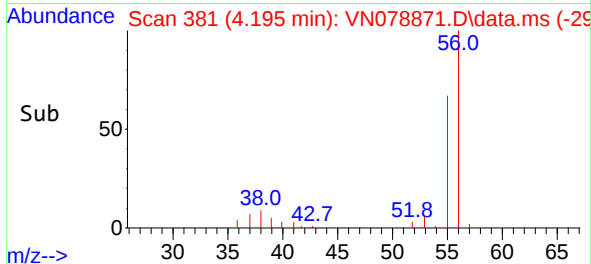
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



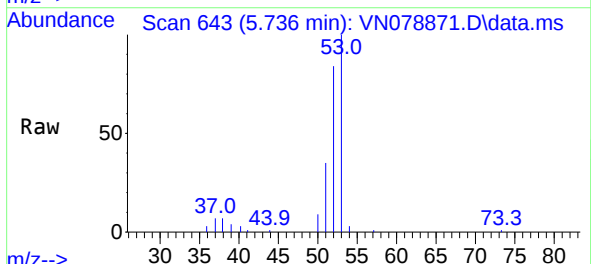
Tgt Ion: 56 Resp: 3568
Ion Ratio Lower Upper
56 100
55 72.8 59.0 88.4

Manual Integrations
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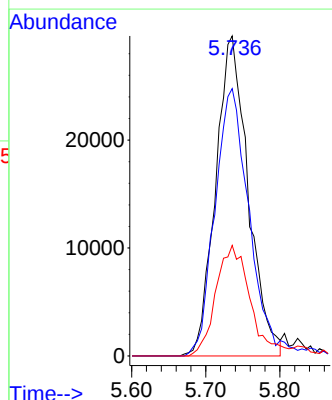
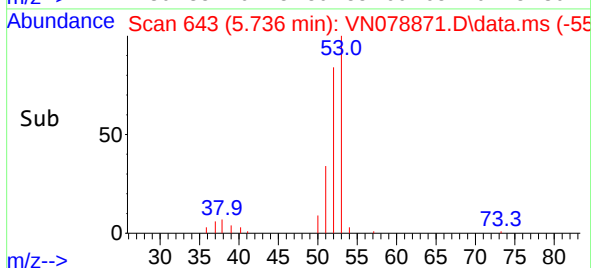
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

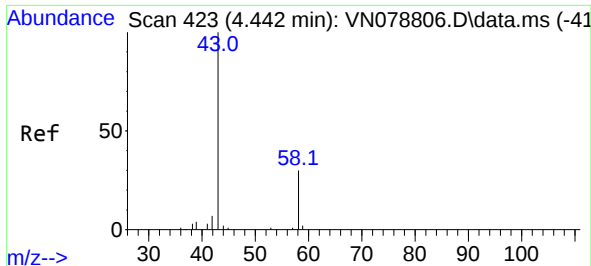


#14
Acrylonitrile
Concen: 103.240 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion: 53 Resp: 90151
Ion Ratio Lower Upper
53 100
52 86.4 42.3 126.9
51 36.5 18.4 55.4





#15

Acetone

Concen: 101.345 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 2280

Ion Ratio Lower Upper

58 100

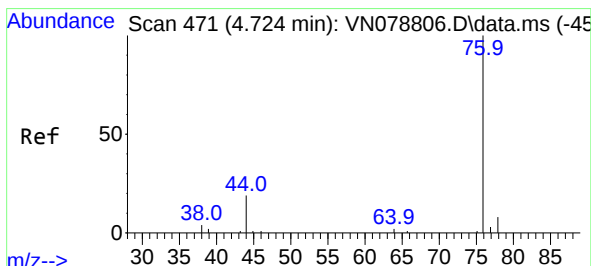
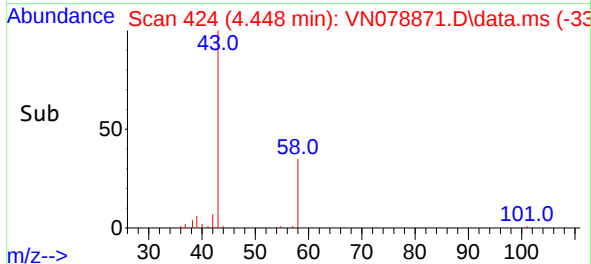
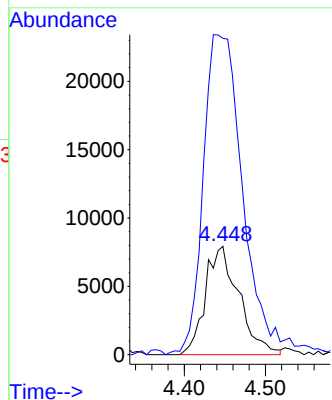
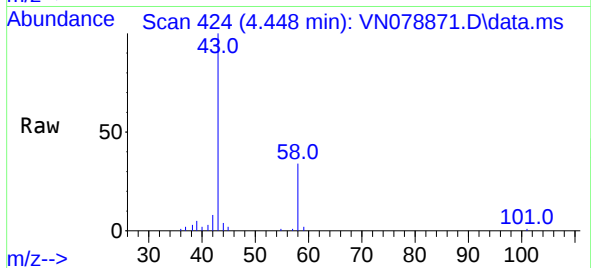
43 298.6 227.5 341.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/14/2023

Supervised By :Mahesh Dadoda 08/15/2023



#16

Carbon Disulfide

Concen: 21.151 ug/l

RT: 4.718 min Scan# 470

Delta R.T. -0.006 min

Lab File: VN078871.D

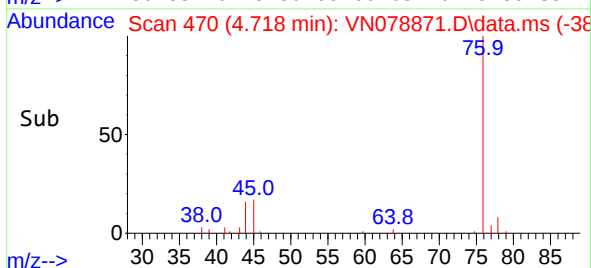
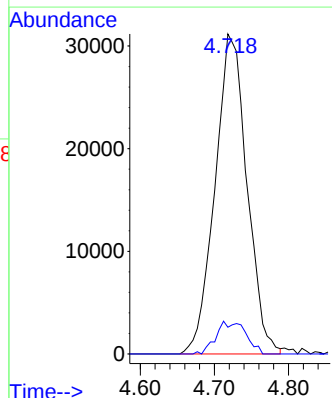
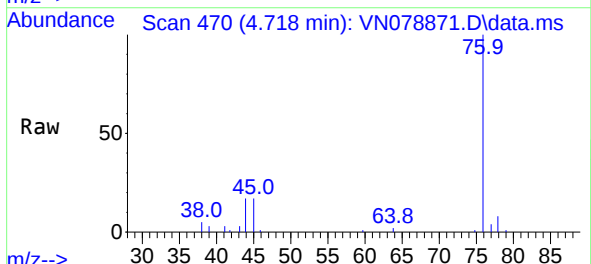
Acq: 11 Aug 2023 18:28

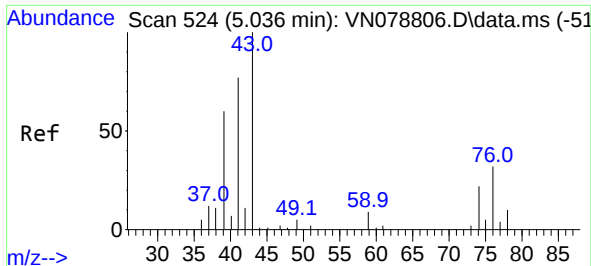
Tgt Ion: 76 Resp: 93355

Ion Ratio Lower Upper

76 100

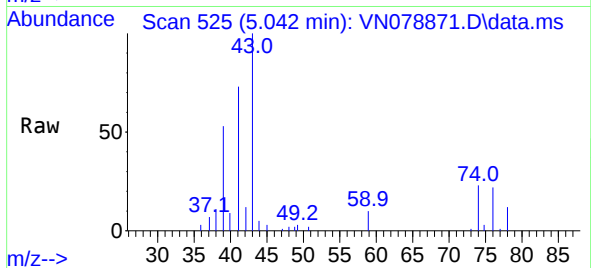
78 8.4 7.7 11.5





#17
 Allyl chloride
 Concen: 21.265 ug/l m
 RT: 5.042 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN078871.D
 Acq: 11 Aug 2023 18:28

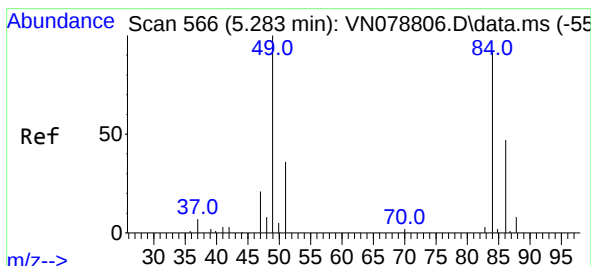
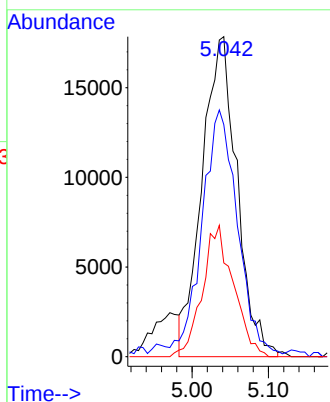
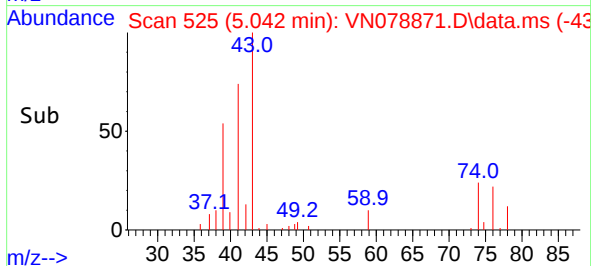
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 56670
 Ion Ratio Lower Upper
 41 100
 39 72.5 37.6 112.8
 76 29.3 23.8 71.4

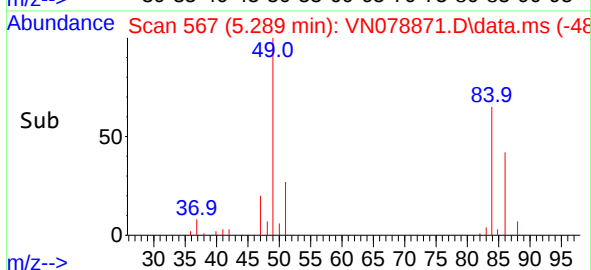
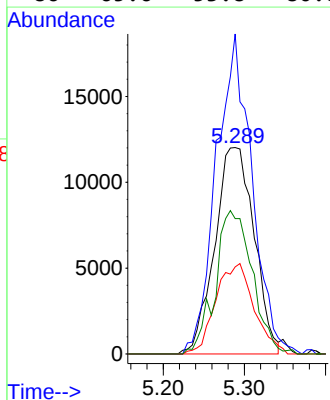
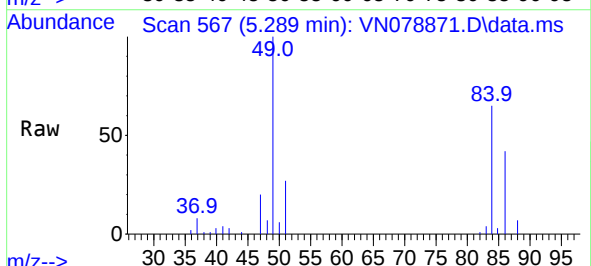
Manual Integrations
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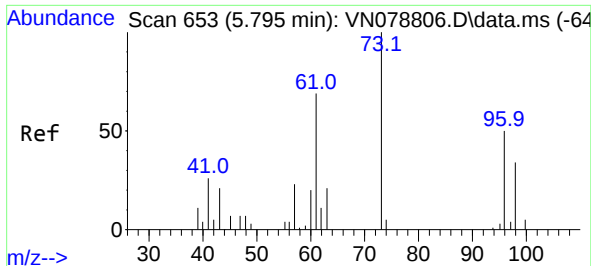
Reviewed By :John Carlone 08/14/2023
 Supervised By :Mahesh Dadoda 08/15/2023



#18
 Methylene Chloride
 Concen: 21.326 ug/l
 RT: 5.289 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: VN078871.D
 Acq: 11 Aug 2023 18:28

Tgt Ion: 84 Resp: 40577
 Ion Ratio Lower Upper
 84 100
 49 155.0 88.1 132.1#
 51 42.1 24.0 36.0#
 86 65.6 53.8 80.8





#19

trans-1,2-Dichloroethene

Concen: 21.602 ug/l

RT: 5.795 min Scan# 653

Delta R.T. -0.000 min

Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 37818

Ion Ratio Lower Upper

96 100

61 128.1 105.2 157.8

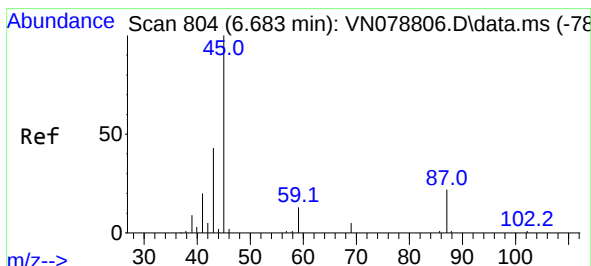
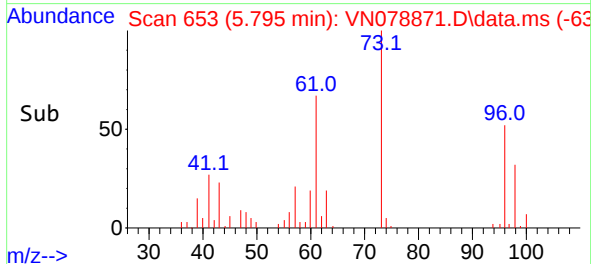
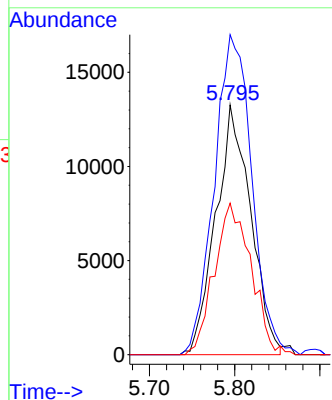
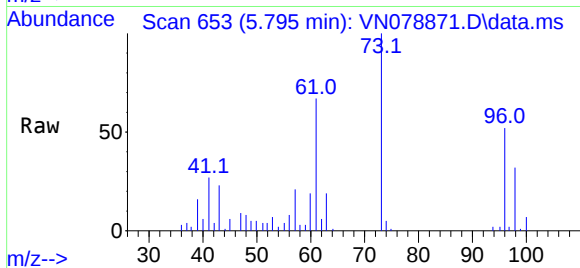
98 60.6 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/14/2023

Supervised By :Mahesh Dadoda 08/15/2023



#20

Diisopropyl ether

Concen: 22.430 ug/l

RT: 6.683 min Scan# 804

Delta R.T. -0.000 min

Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Tgt Ion: 45 Resp: 134243

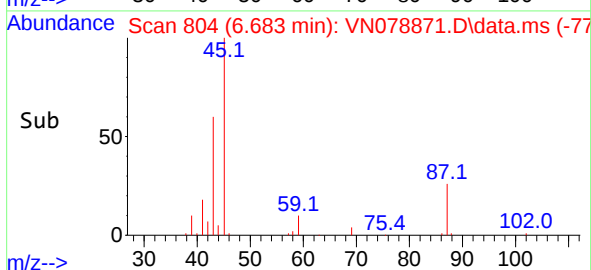
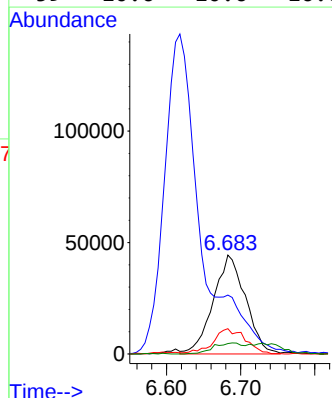
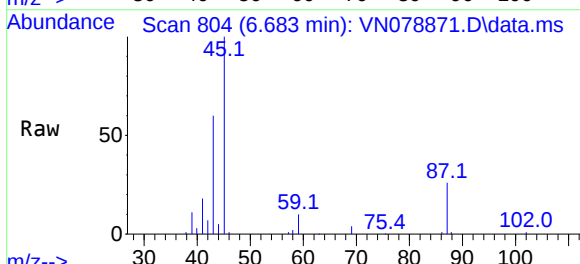
Ion Ratio Lower Upper

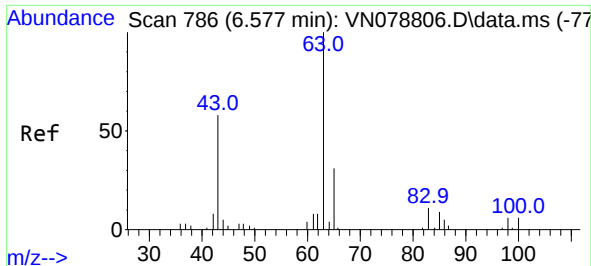
45 100

43 55.3 43.6 65.4

87 25.6 25.8 38.6#

59 10.6 10.6 16.0#





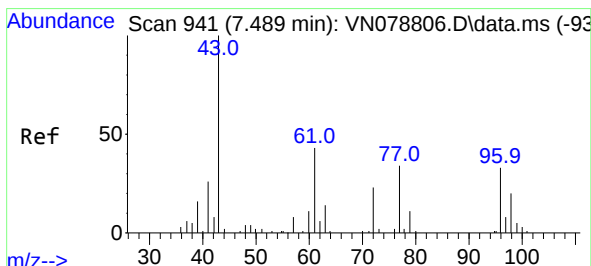
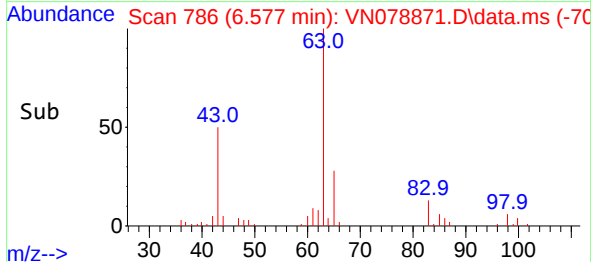
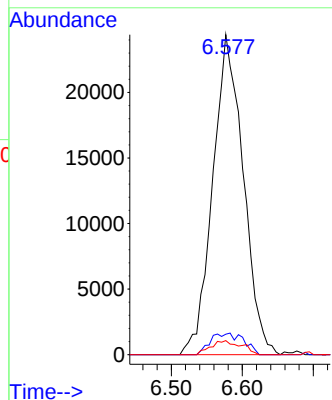
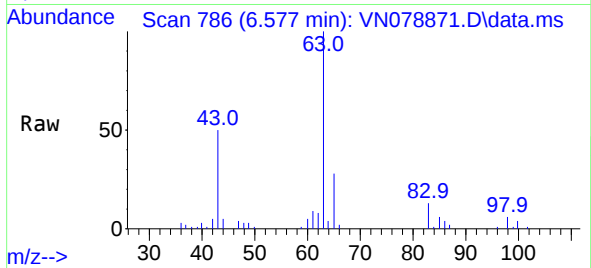
#21
1,1-Dichloroethane
Concen: 21.329 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 72779
Ion Ratio Lower Upper
63 100
98 6.4 2.7 8.1
100 4.4 2.5 7.4

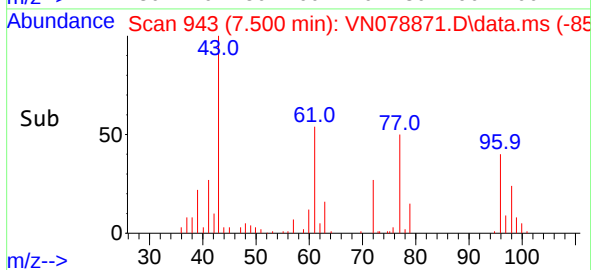
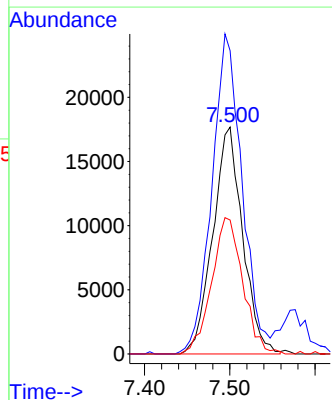
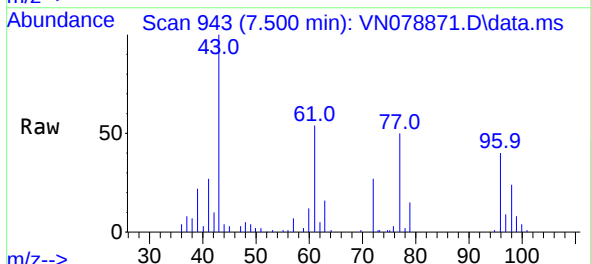
Manual Integrations
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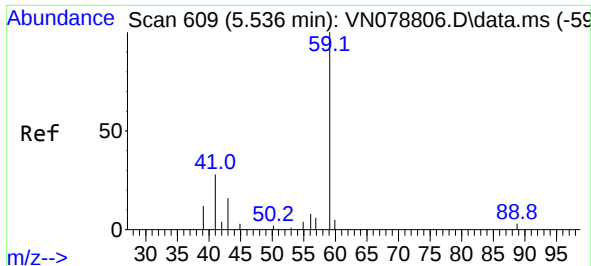
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#22
cis-1,2-Dichloroethene
Concen: 22.174 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

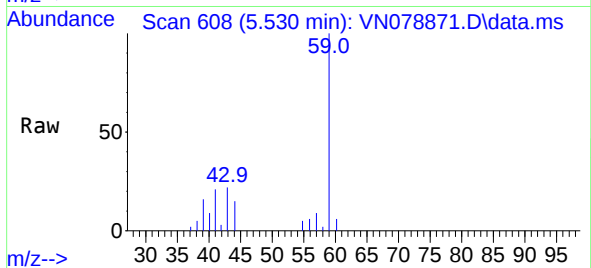
Tgt Ion: 96 Resp: 43027
Ion Ratio Lower Upper
96 100
61 142.6 113.8 170.6
98 62.3 52.2 78.4





#23
tert-Butyl Alcohol
Concen: 89.374 ug/l m
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

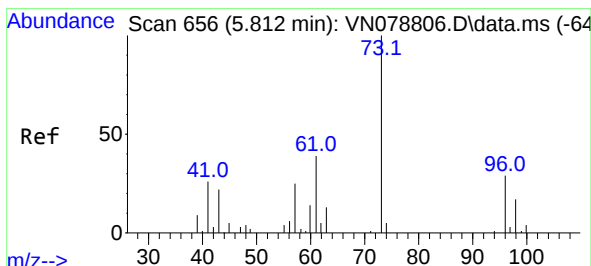
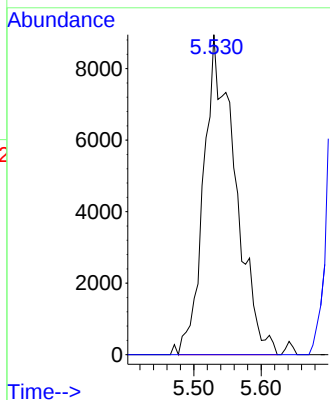
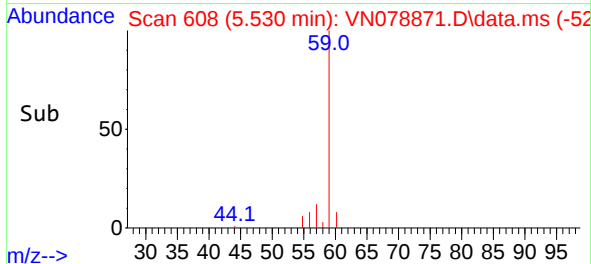
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 29000
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

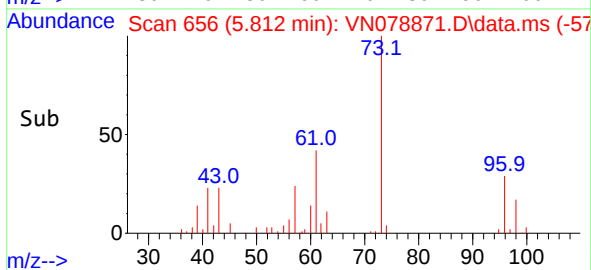
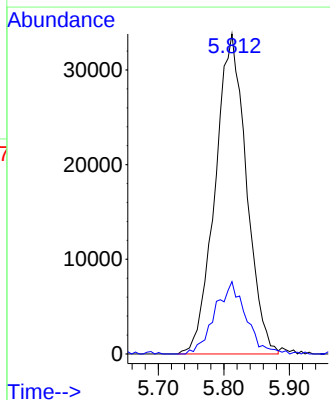
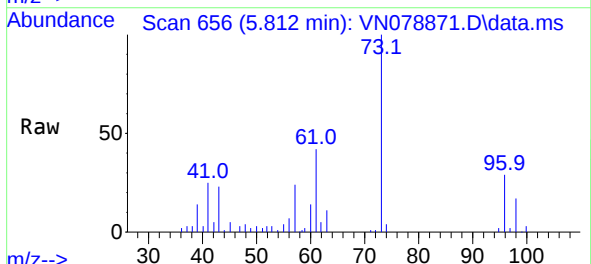
Manual Integrations
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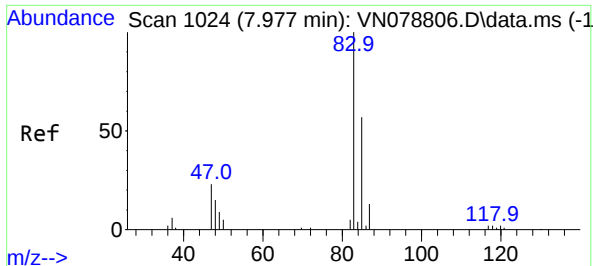
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#24
Methyl tert-Butyl Ether
Concen: 21.923 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 73 Resp: 111880
Ion Ratio Lower Upper
73 100
43 11.1 14.5 21.7#





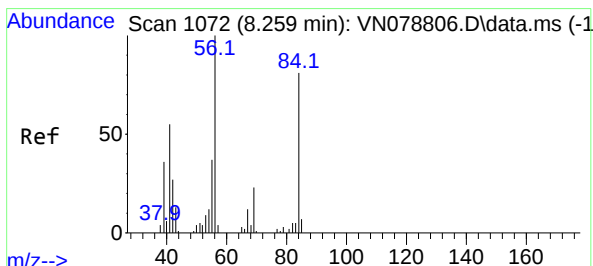
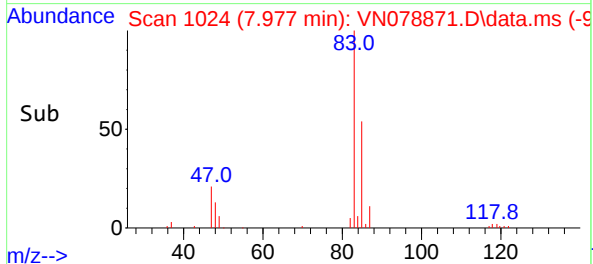
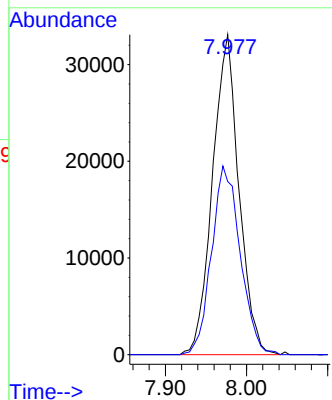
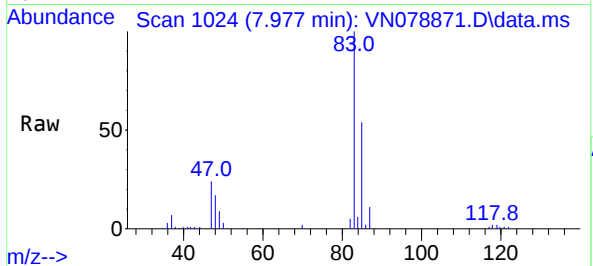
#25
Chloroform
Concen: 22.065 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 74740
Ion Ratio Lower Upper
83 100
85 54.1 53.4 80.0

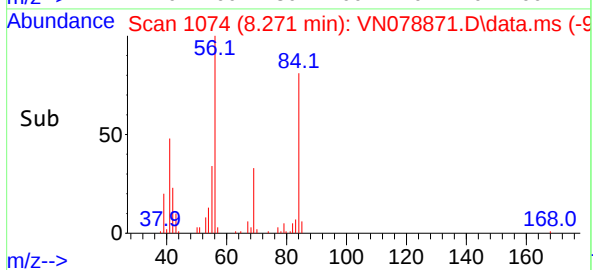
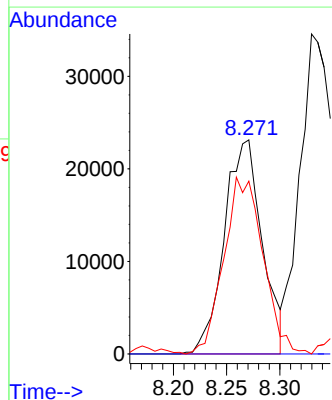
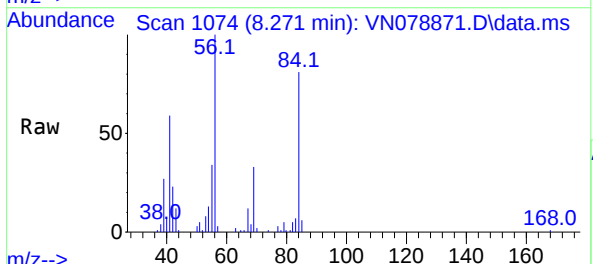
Manual Integrations
APPROVED

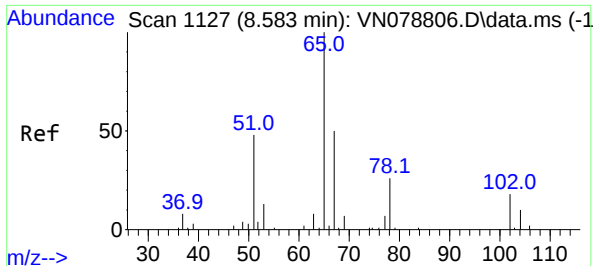
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#26
Cyclohexane
Concen: 21.315 ug/l
RT: 8.271 min Scan# 1074
Delta R.T. 0.012 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 56 Resp: 57285
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.2 74.2 111.4





#27
1,2-Dichloroethane-d4
Concen: 29.774 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

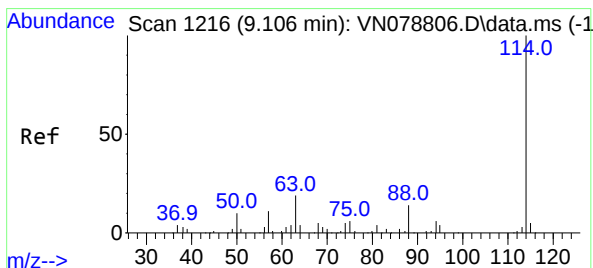
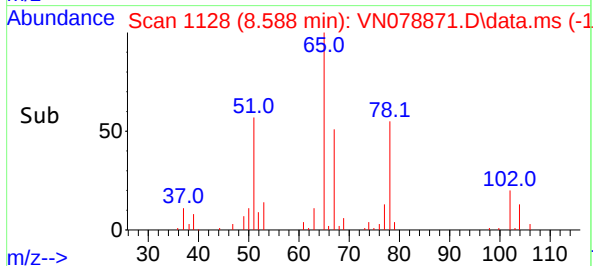
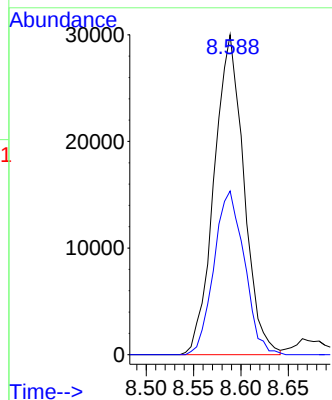
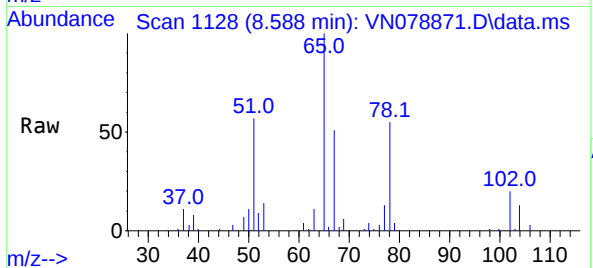
VSTDCCC020EC

Tgt Ion: 65 Resp: 65620
Ion Ratio Lower Upper
65 100
67 52.2 42.9 64.3

Manual Integrations

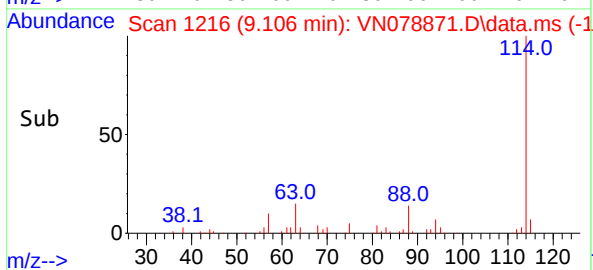
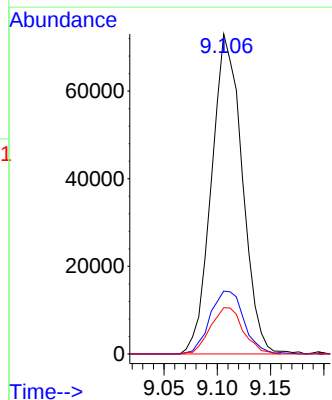
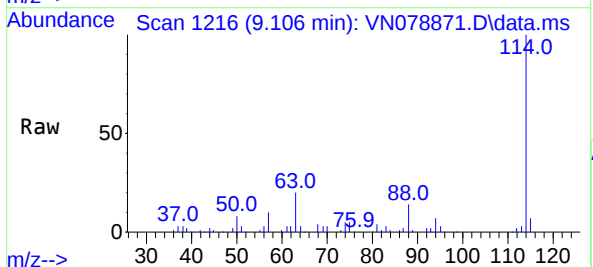
APPROVED

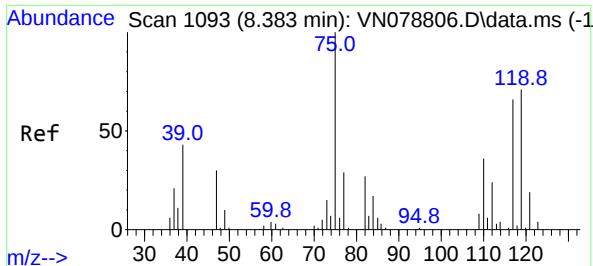
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion:114 Resp: 146286
Ion Ratio Lower Upper
114 100
63 21.6 15.2 22.8
88 15.4 12.5 18.7





#29
1,1-Dichloropropene
Concen: 22.995 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

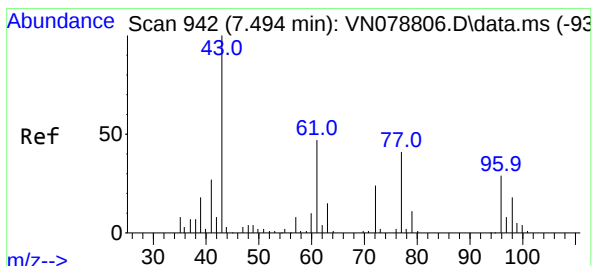
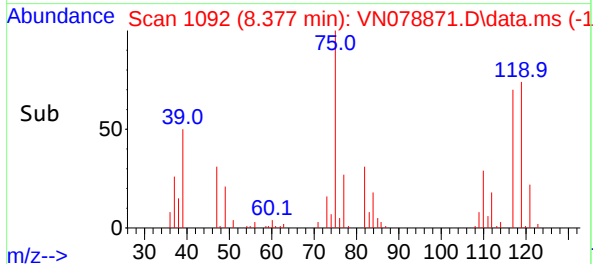
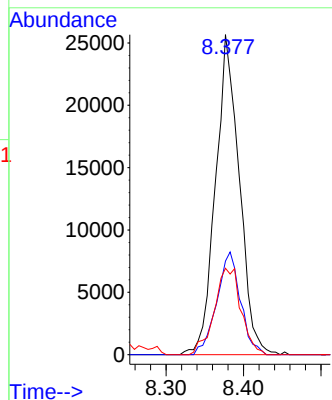
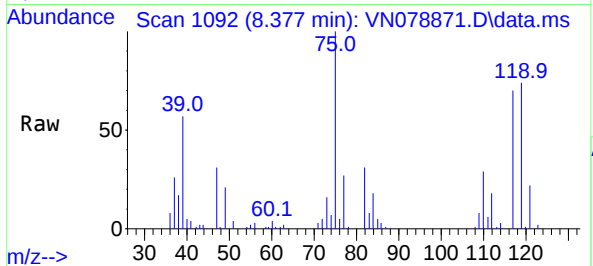
Tgt Ion: 75 Resp: 54650
Ion Ratio Lower Upper
75 100
110 32.0 0.0 72.2
77 13.5 0.0 62.8

Manual Integrations

APPROVED

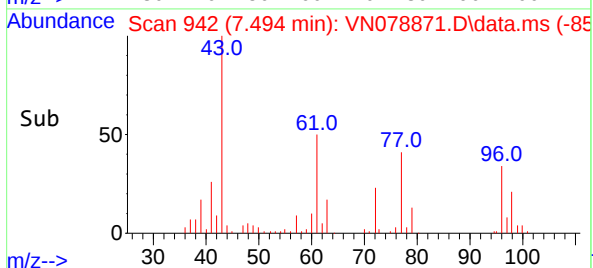
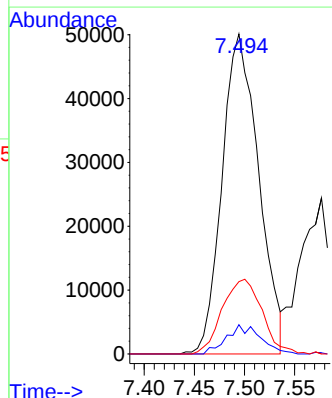
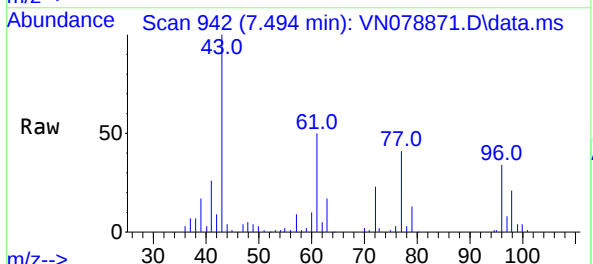
Reviewed By :John Carlone 08/14/2023

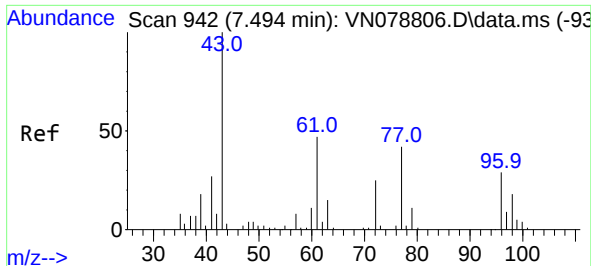
Supervised By :Mahesh Dadoda 08/15/2023



#30
2-Butanone
Concen: 109.155 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 43 Resp: 127151
Ion Ratio Lower Upper
43 100
57 4.7 6.8 10.2#
72 25.4 23.8 35.6





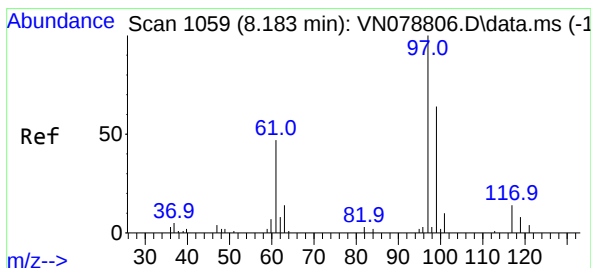
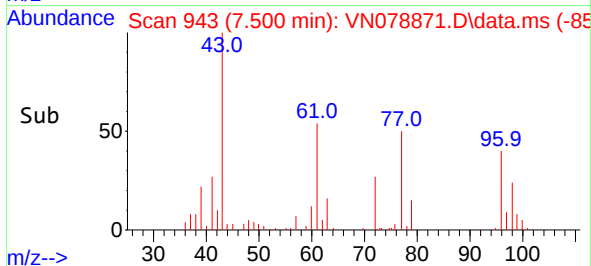
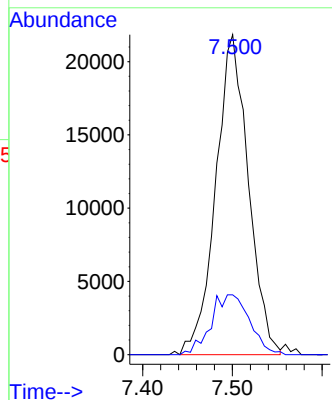
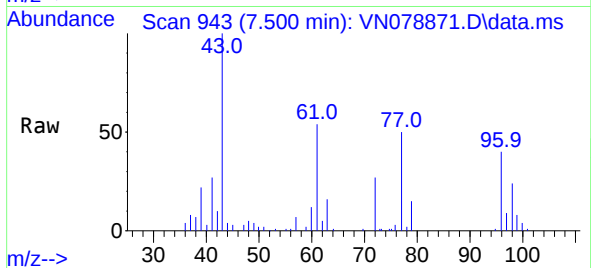
#31
2,2-Dichloropropane
Concen: 22.466 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 5505
Ion Ratio Lower Upper
77 100
97 14.1 18.8 28.2

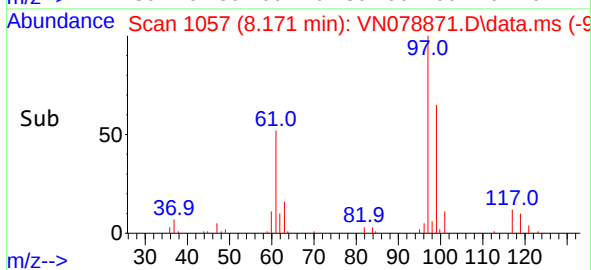
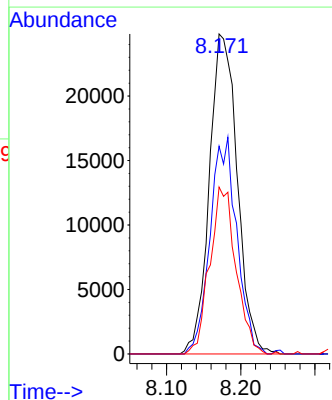
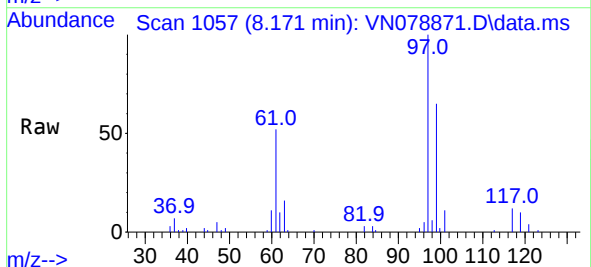
Manual Integrations
APPROVED

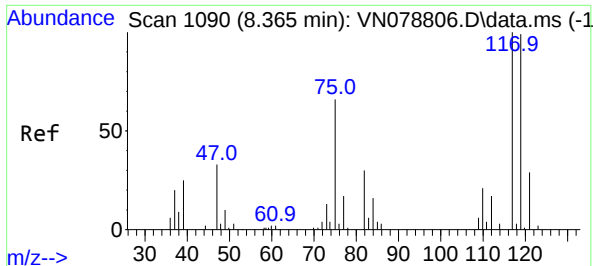
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#32
1,1,1-Trichloroethane
Concen: 23.235 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.012 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

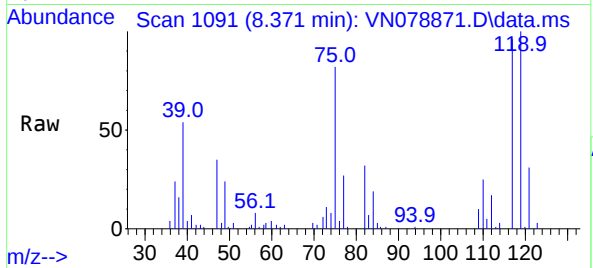
Tgt Ion: 97 Resp: 65030
Ion Ratio Lower Upper
97 100
99 36.2 51.3 76.9#
61 49.0 34.6 52.0





#33
Carbon Tetrachloride
Concen: 21.909 ug/l
RT: 8.371 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

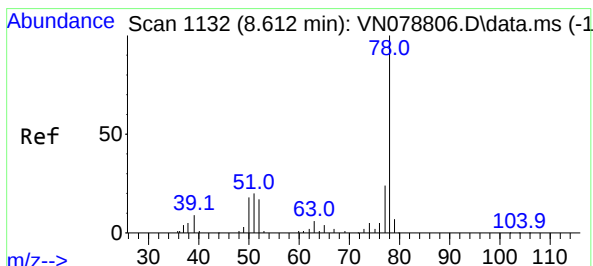
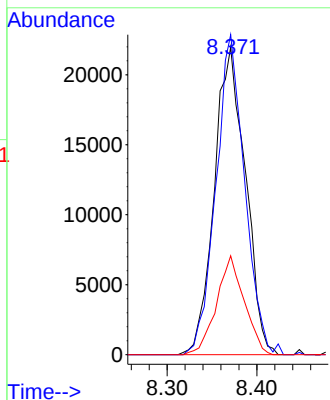
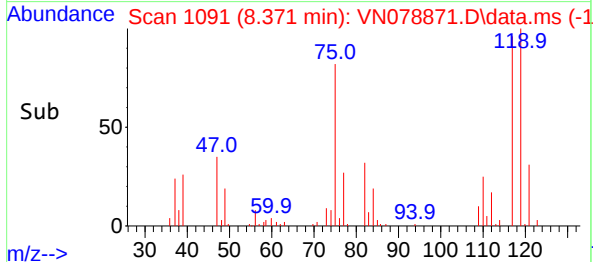
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 52924
Ion Ratio Lower Upper
117 100
119 104.0 81.4 122.0
121 32.2 23.6 35.4

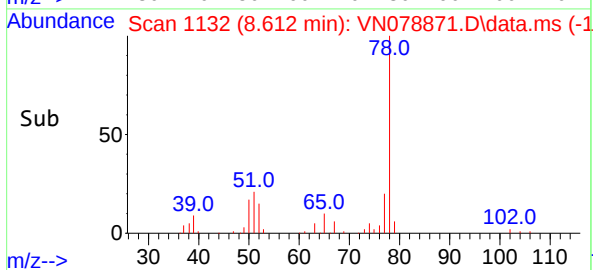
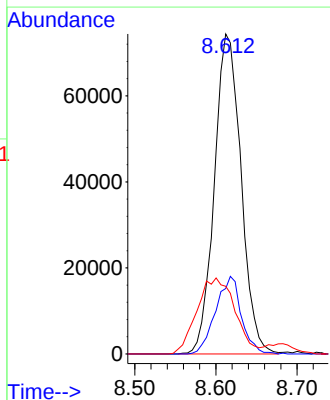
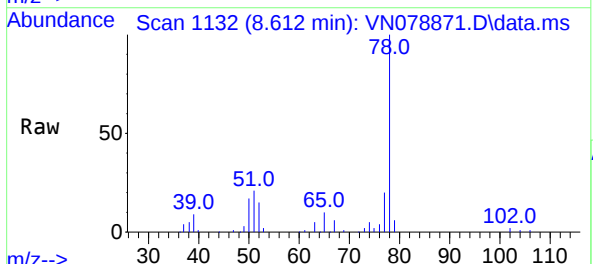
Manual Integrations
APPROVED

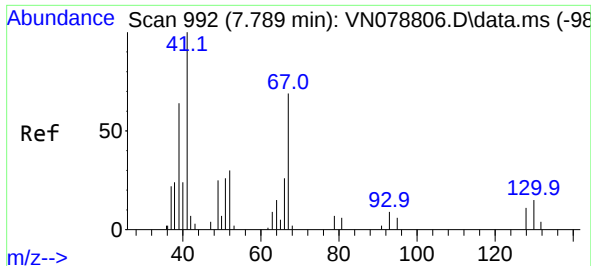
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#34
Benzene
Concen: 23.495 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 78 Resp: 169907
Ion Ratio Lower Upper
78 100
77 20.5 18.3 27.5
51 19.7 13.7 20.5





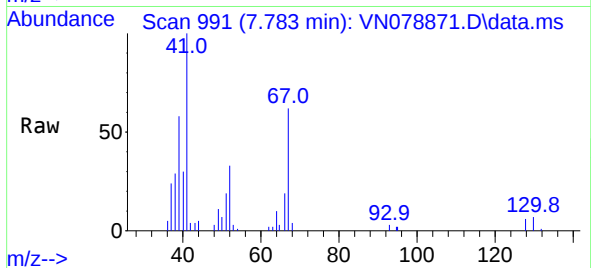
#35
Methacrylonitrile
Concen: 21.685 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

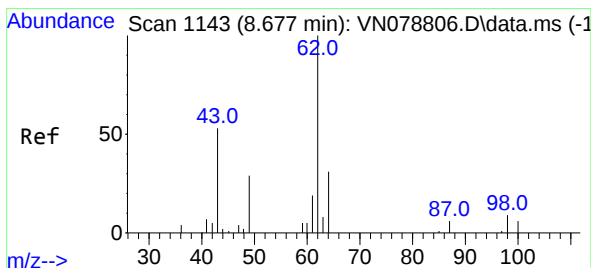
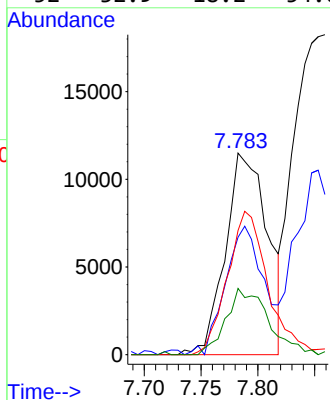
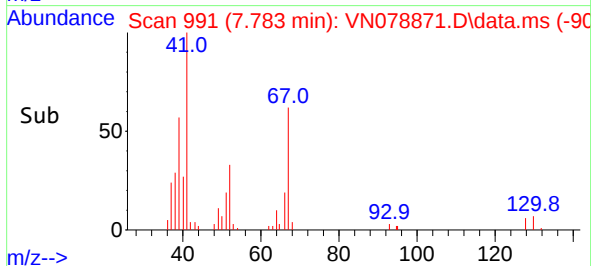


Tgt Ion: 41 Resp: 29662
Ion Ratio Lower Upper
41 100
39 56.1 33.9 101.6
67 61.6 45.9 137.6
52 32.9 18.2 54.6

Manual Integrations

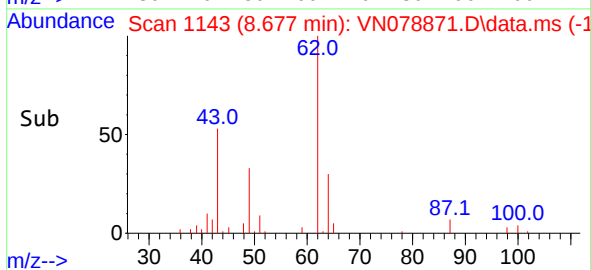
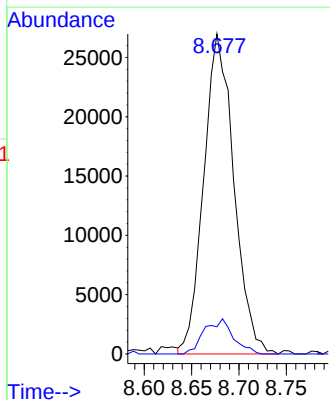
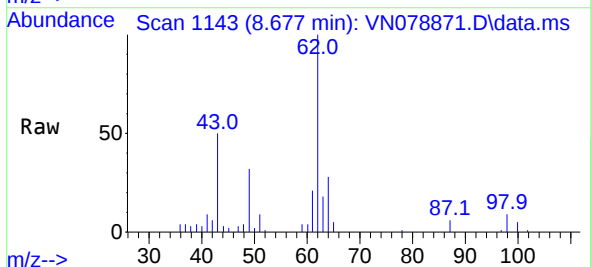
APPROVED

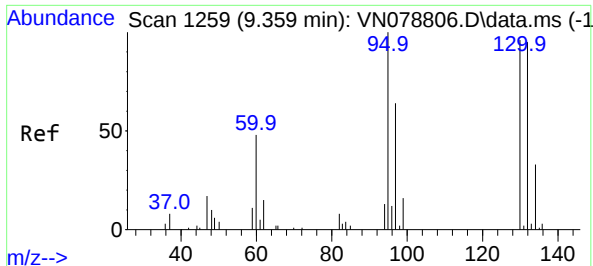
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#36
1,2-Dichloroethane
Concen: 23.657 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 62 Resp: 59803
Ion Ratio Lower Upper
62 100
98 5.1 7.4 11.0#





#37
Trichloroethene
Concen: 21.955 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

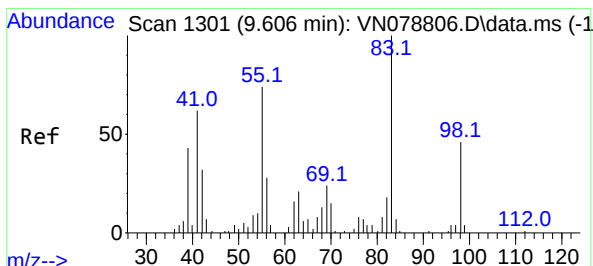
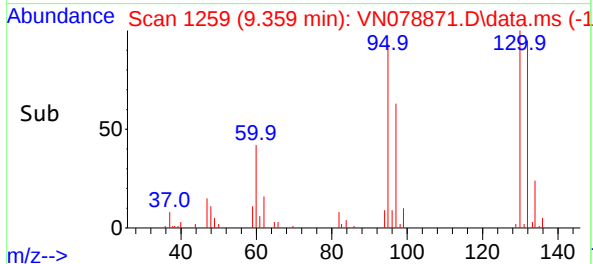
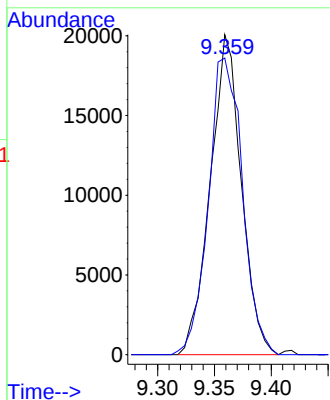
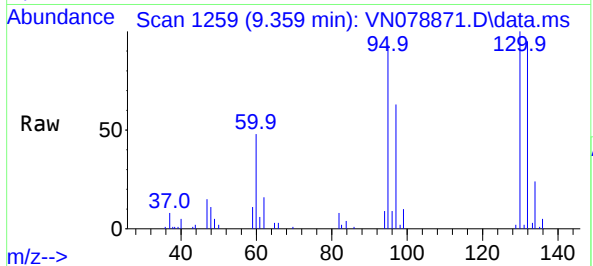
VSTDCCC020EC

Tgt Ion:130 Resp: 3820
Ion Ratio Lower Upper
130 100
95 92.7 78.2 117.4

Manual Integrations

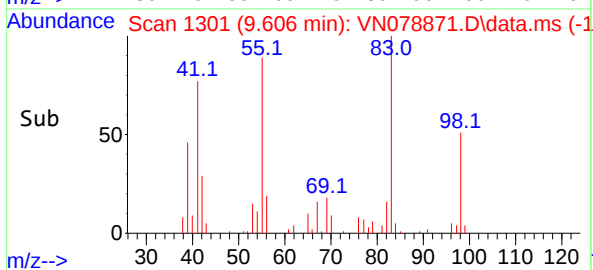
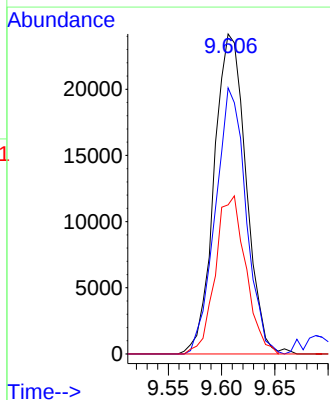
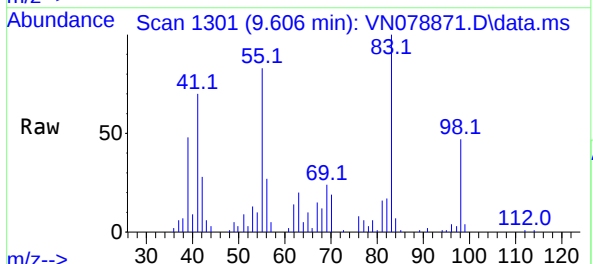
APPROVED

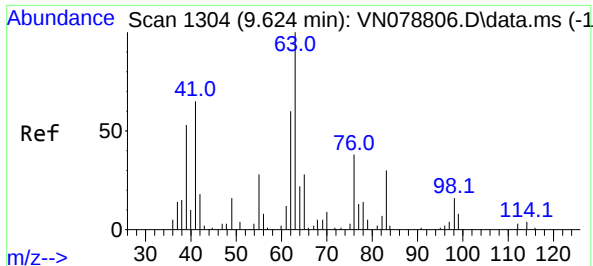
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#38
Methylcyclohexane
Concen: 22.293 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 83 Resp: 50161
Ion Ratio Lower Upper
83 100
55 80.5 34.0 102.0
98 47.3 23.0 69.0





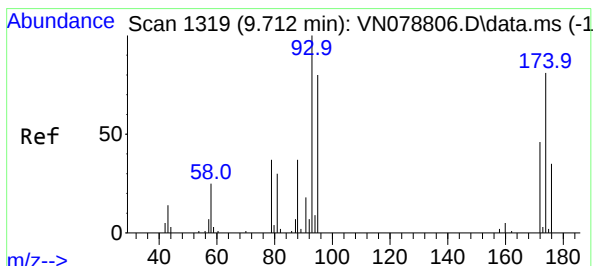
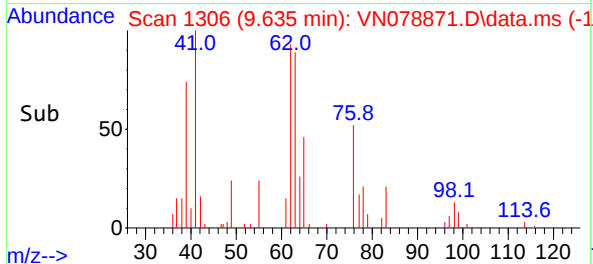
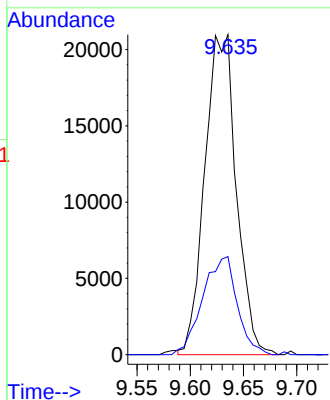
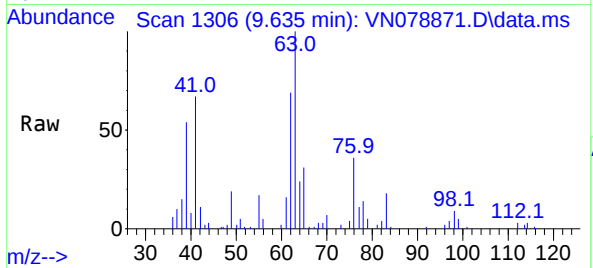
#39
1,2-Dichloropropane
Concen: 22.651 ug/l
RT: 9.635 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 43330
Ion Ratio Lower Upper
63 100
65 30.9 27.4 41.2

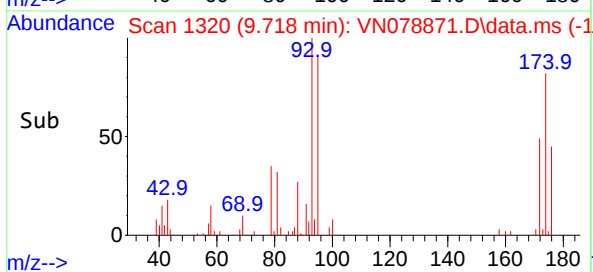
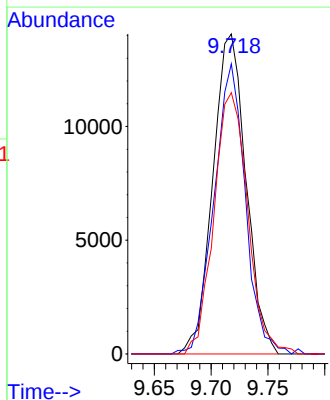
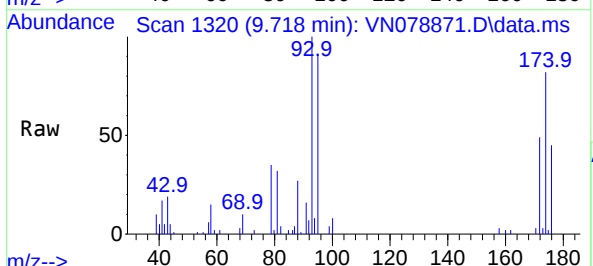
Manual Integrations
APPROVED

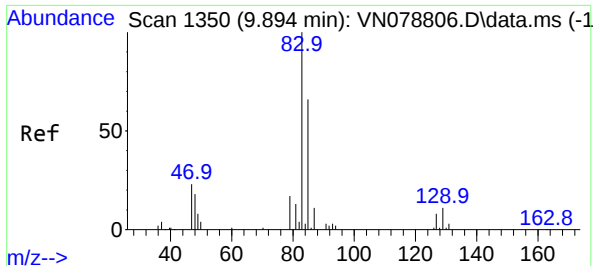
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#40
Dibromomethane
Concen: 22.388 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 93 Resp: 28523
Ion Ratio Lower Upper
93 100
95 85.3 0.0 167.8
174 82.9 0.0 180.8





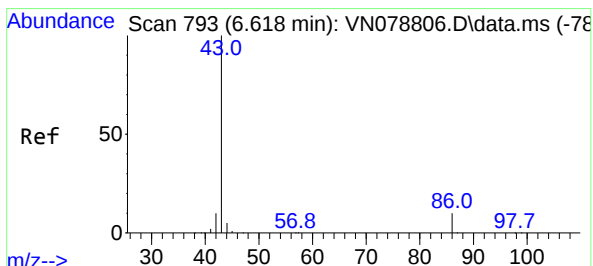
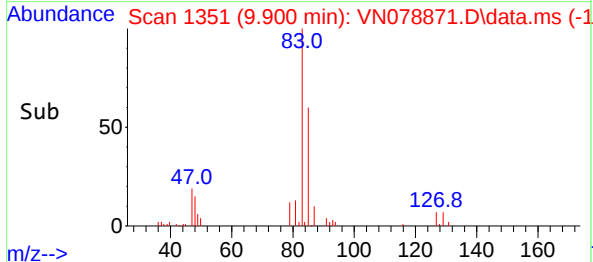
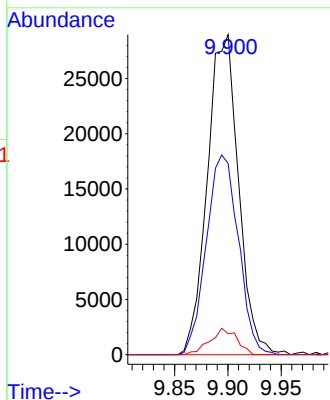
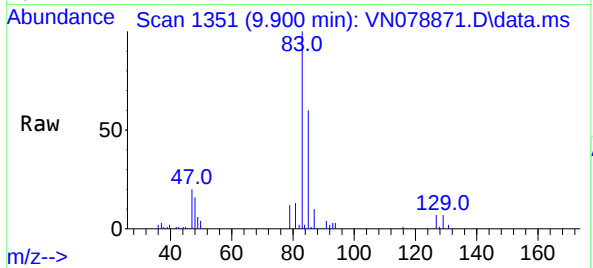
#41
Bromodichloromethane
Concen: 22.959 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 5893
Ion Ratio Lower Upper
83 100
85 59.8 54.1 81.1
127 6.5 7.8 11.6

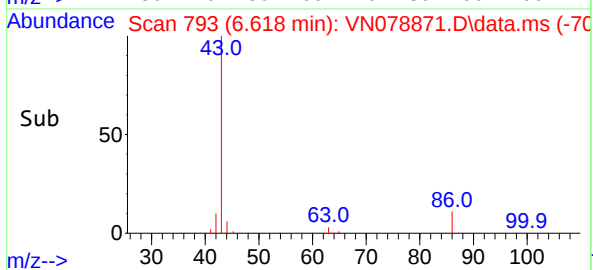
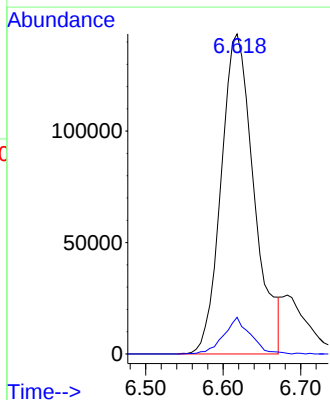
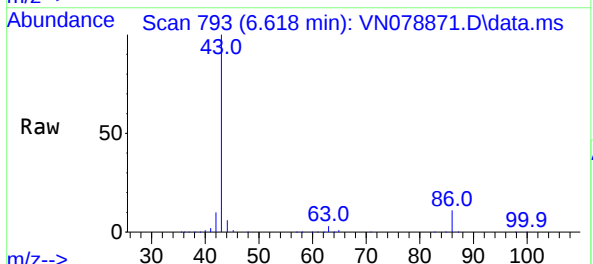
Manual Integrations
APPROVED

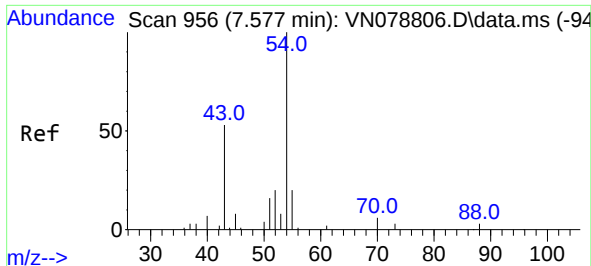
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#42
Vinyl Acetate
Concen: 116.085 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

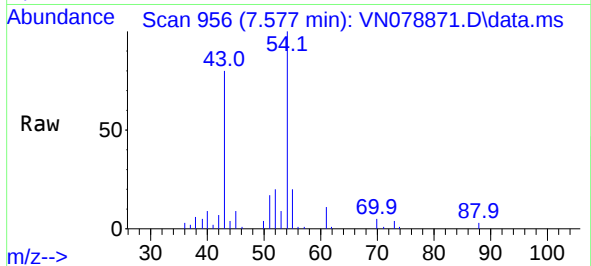
Tgt Ion: 43 Resp: 425523
Ion Ratio Lower Upper
43 100
86 9.3 9.4 14.0





#43
Ethyl Acetate
Concen: 20.176 ug/l
RT: 7.577 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

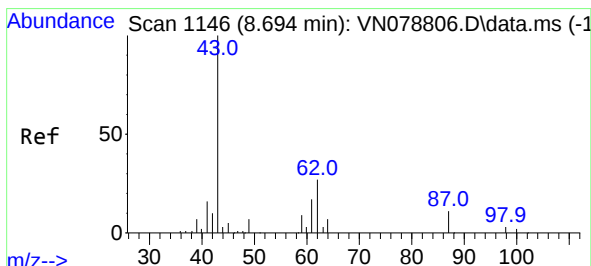
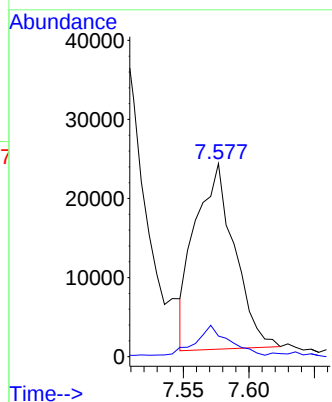
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 48789
Ion Ratio Lower Upper
43 100
45 14.8 10.9 16.3

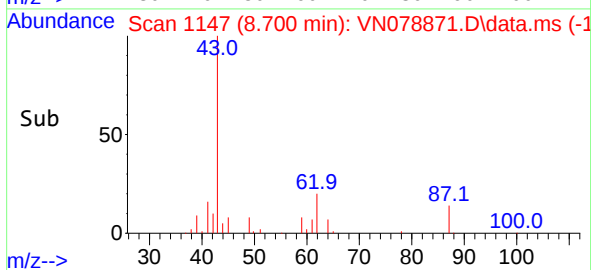
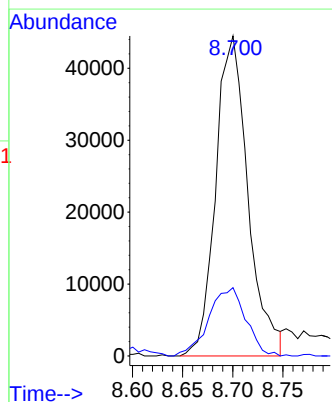
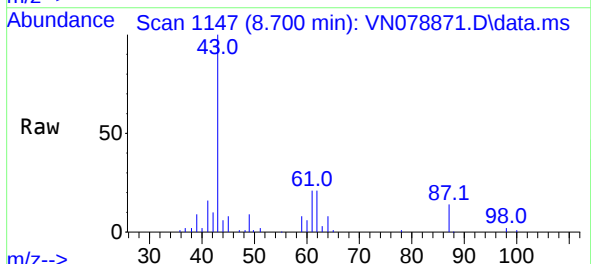
Manual Integrations
APPROVED

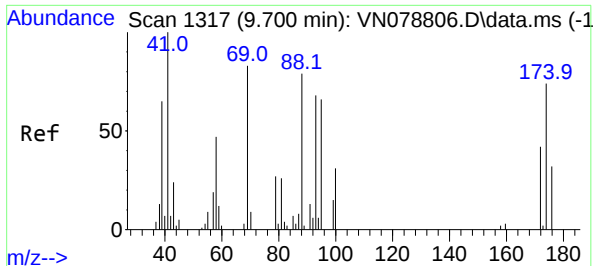
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#44
Isopropyl Acetate
Concen: 22.937 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

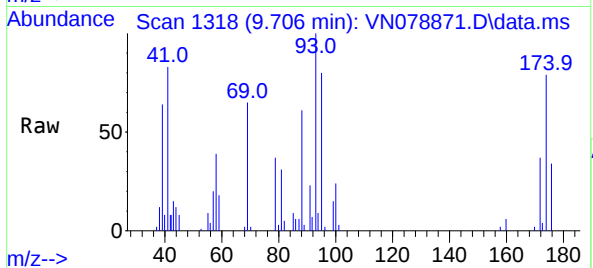
Tgt Ion: 43 Resp: 99595
Ion Ratio Lower Upper
43 100
61 24.3 23.0 34.6





#45
1,4-Dioxane
Concen: 474.322 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

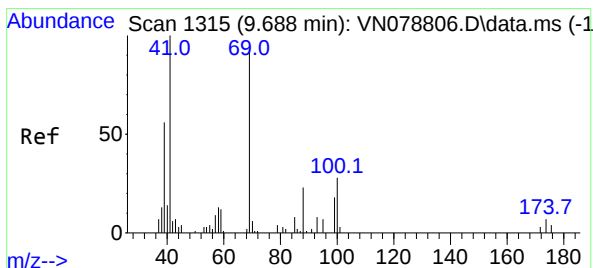
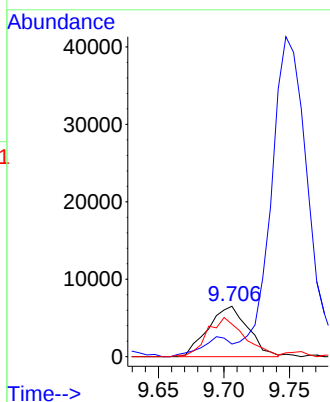
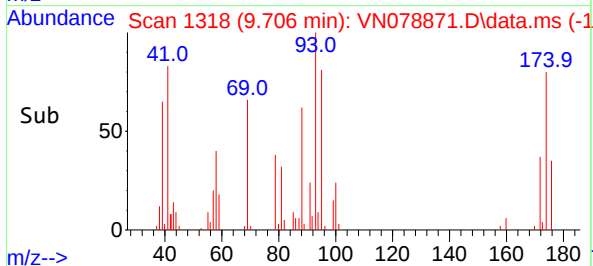
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



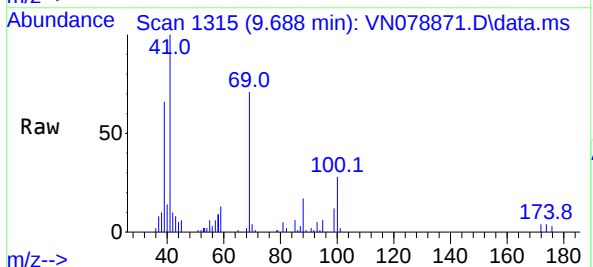
Tgt Ion: 88 Resp: 13818
Ion Ratio Lower Upper
88 100
43 28.4 19.0 28.6
58 72.8 48.2 72.2

Manual Integrations
APPROVED

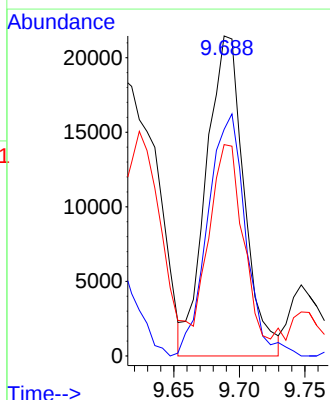
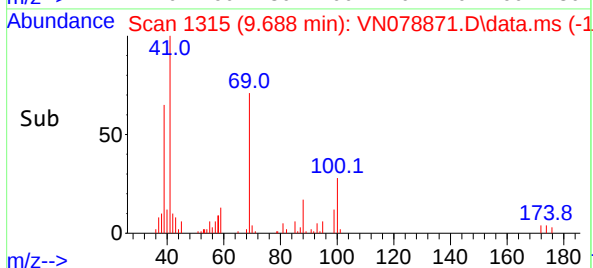
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

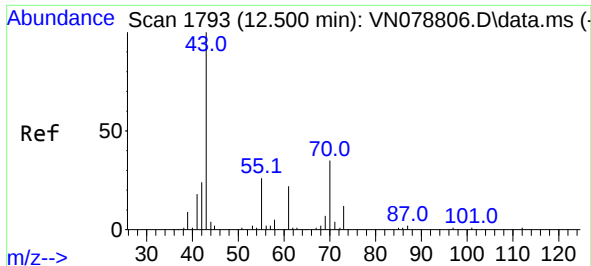


#46
Methyl methacrylate
Concen: 23.476 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion: 41 Resp: 43166
Ion Ratio Lower Upper
41 100
69 74.6 49.0 147.0
39 61.2 31.6 94.8





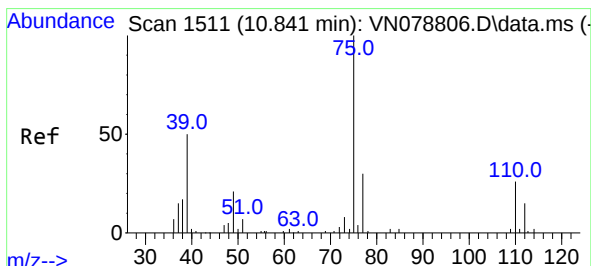
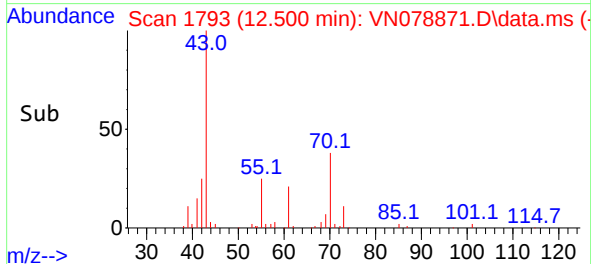
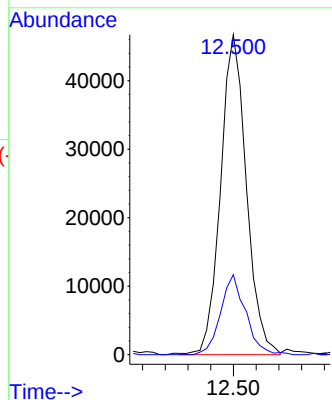
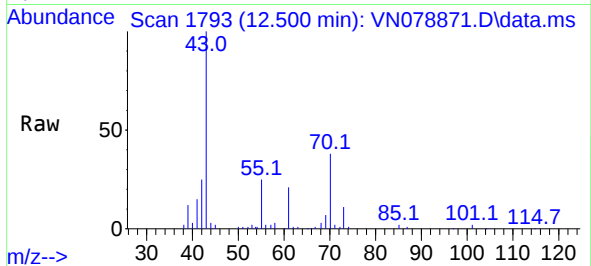
#47
n-amyl acetate
Concen: 24.244 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 73590
Ion Ratio Lower Upper
43 100
55 24.0 21.5 32.3

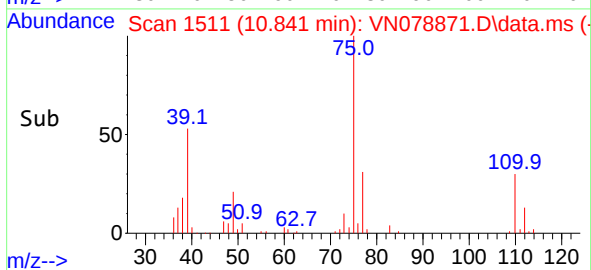
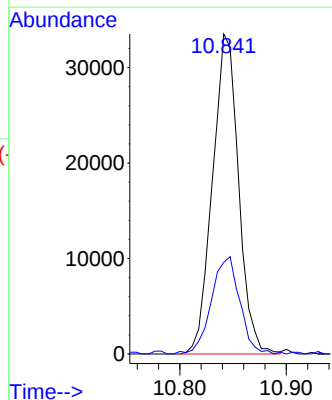
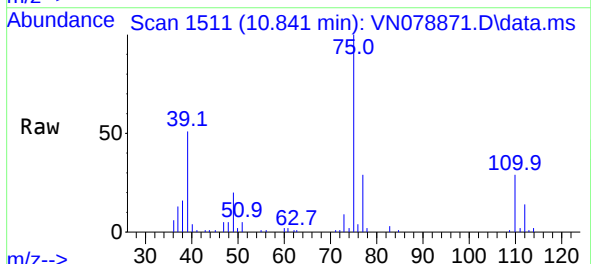
Manual Integrations
APPROVED

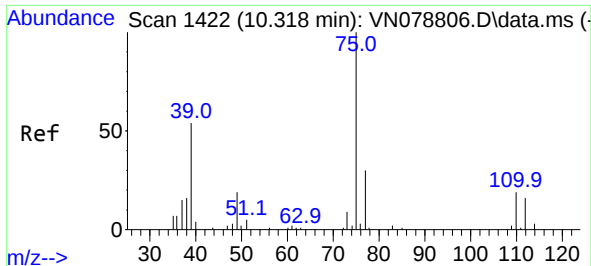
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#48
t-1,3-Dichloropropene
Concen: 21.963 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

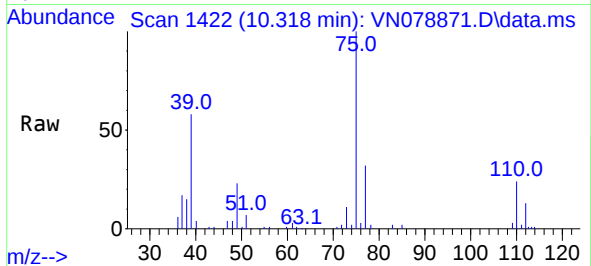
Tgt Ion: 75 Resp: 56931
Ion Ratio Lower Upper
75 100
77 28.1 26.1 39.1





#49
cis-1,3-Dichloropropene
Concen: 22.642 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

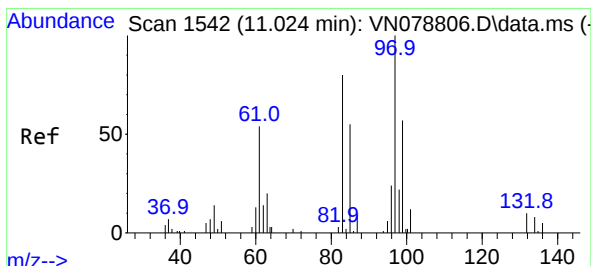
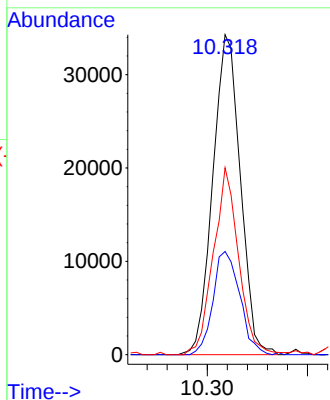
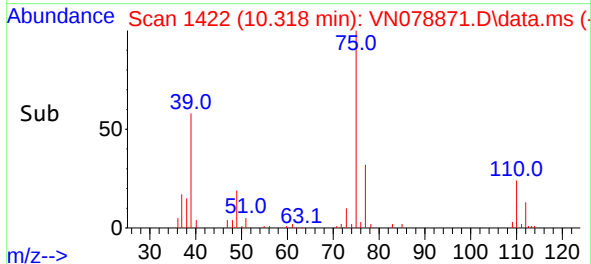
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



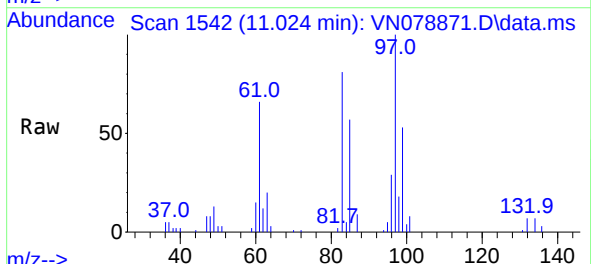
Tgt Ion: 75 Resp: 65272
Ion Ratio Lower Upper
75 100
77 32.3 24.0 36.0
39 58.4 35.1 52.7

Manual Integrations
APPROVED

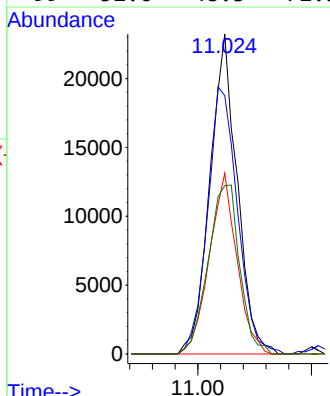
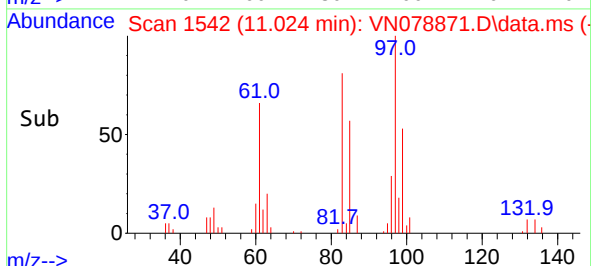
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

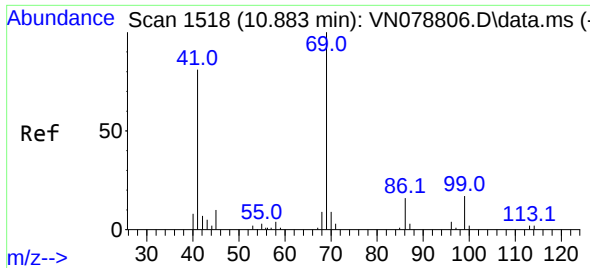


#50
1,1,2-Trichloroethane
Concen: 22.408 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion: 97 Resp: 38792
Ion Ratio Lower Upper
97 100
83 80.7 66.8 100.2
85 56.5 42.5 63.7
99 52.6 48.3 72.5





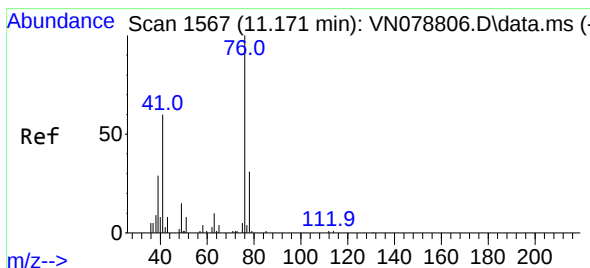
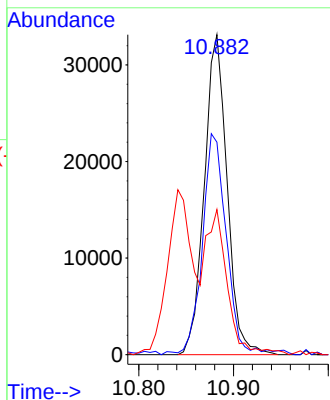
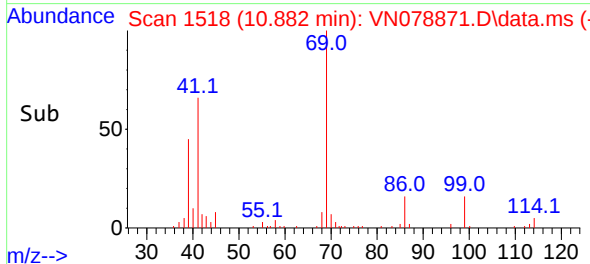
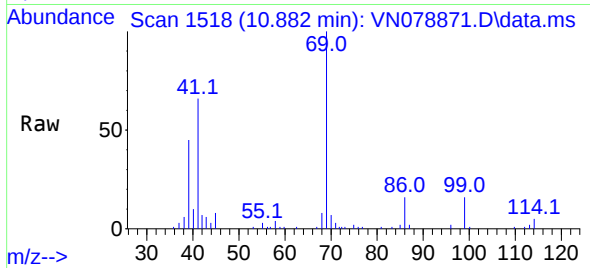
#51
Ethyl methacrylate
Concen: 22.820 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 5537
Ion Ratio Lower Upper
69 100
41 65.8 26.0 78.0
39 44.1 16.3 48.9

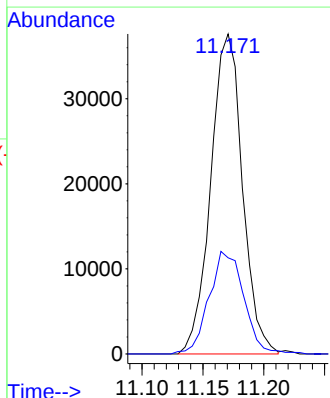
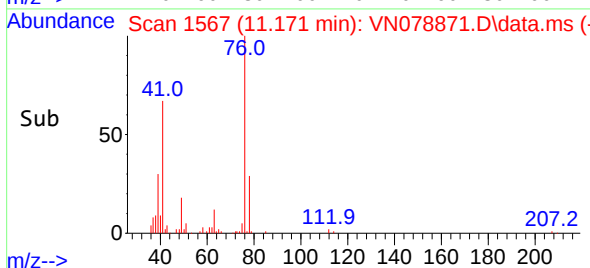
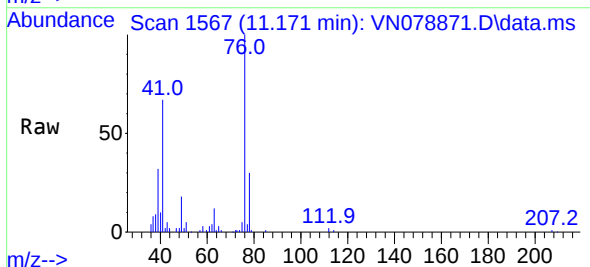
Manual Integrations
APPROVED

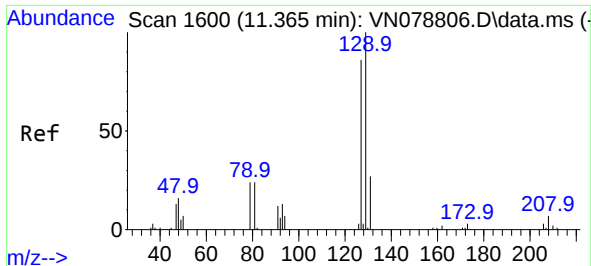
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#52
1,3-Dichloropropane
Concen: 22.900 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

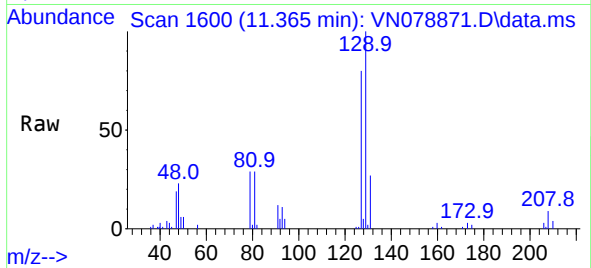
Tgt Ion: 76 Resp: 68069
Ion Ratio Lower Upper
76 100
78 35.0 0.0 66.2





#53
Dibromochloromethane
Concen: 21.639 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

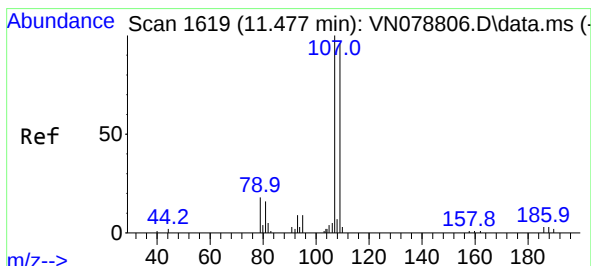
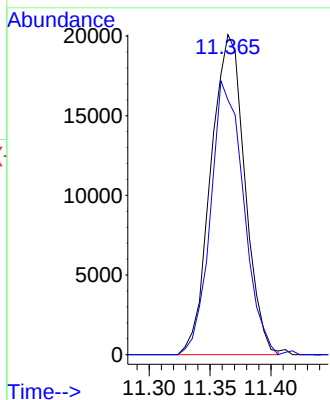
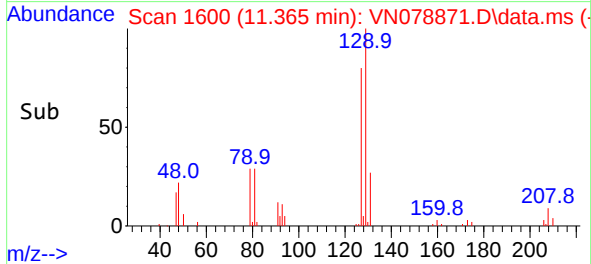
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



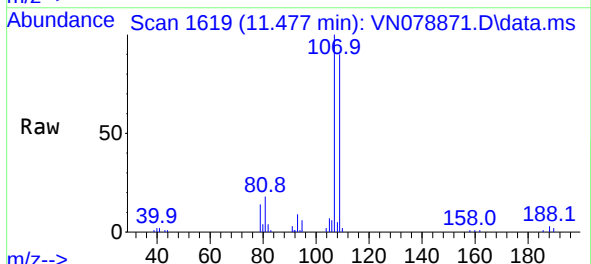
Tgt Ion:129 Resp: 3909
Ion Ratio Lower Upper
129 100
127 82.8 39.4 118.1

Manual Integrations
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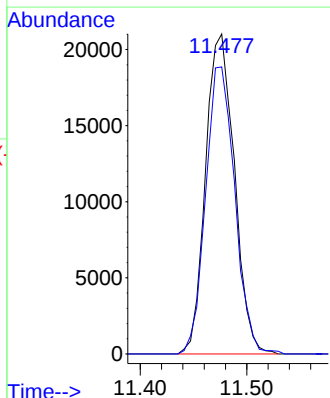
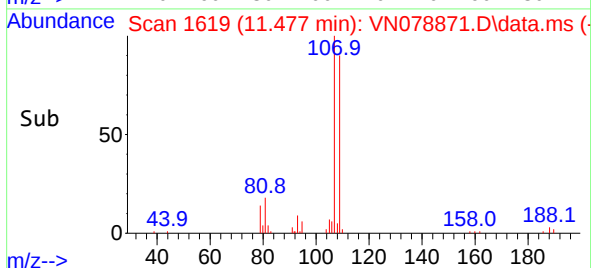
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

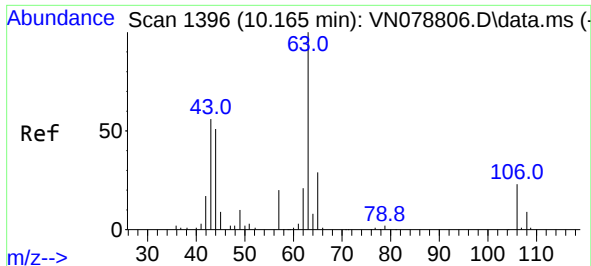


#54
1,2-Dibromoethane
Concen: 23.383 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion:107 Resp: 39547
Ion Ratio Lower Upper
107 100
109 90.5 74.6 112.0





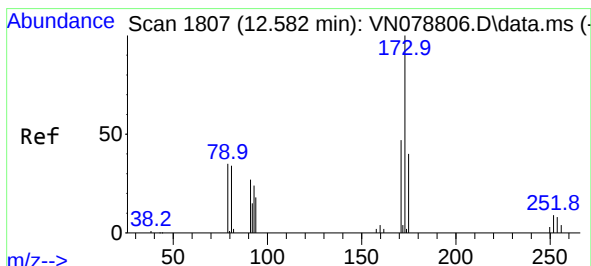
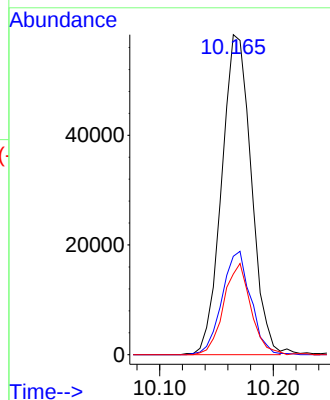
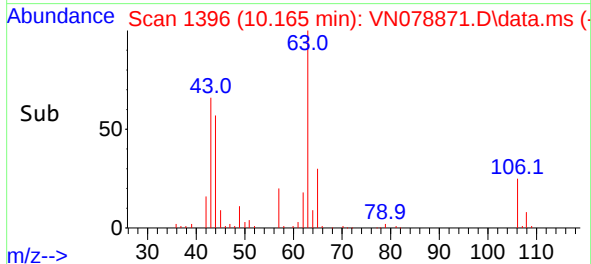
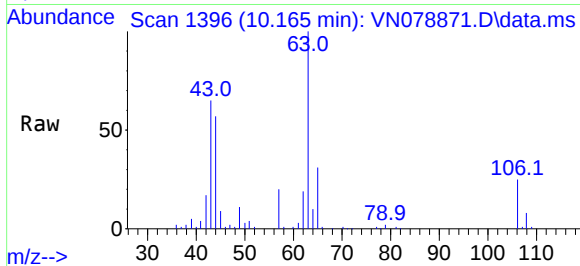
#55
2-Chloroethyl vinyl ether
Concen: 117.672 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 105302
Ion Ratio Lower Upper
63 100
65 31.5 26.3 39.5
106 26.2 23.8 35.6

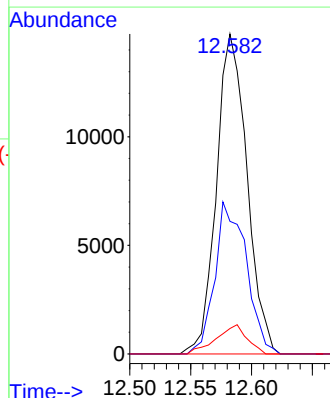
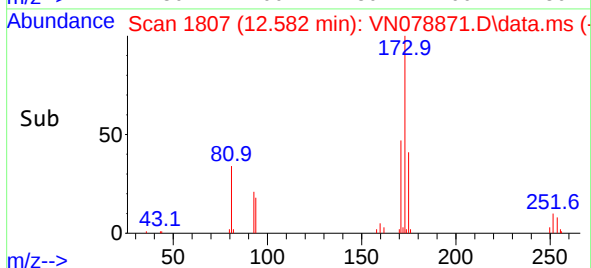
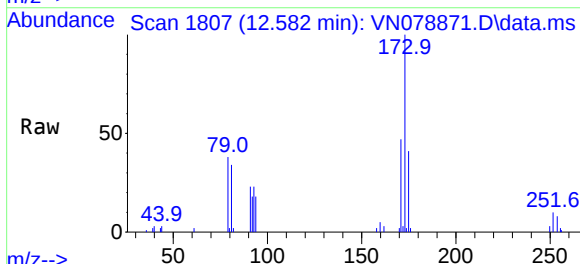
Manual Integrations
APPROVED

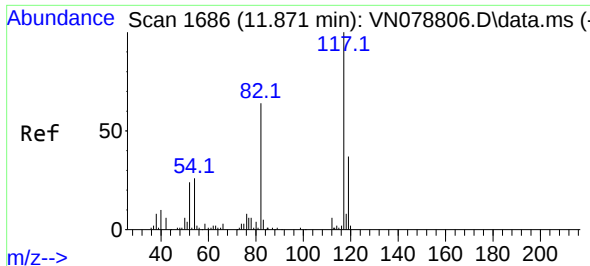
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#56
Bromoform
Concen: 22.755 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

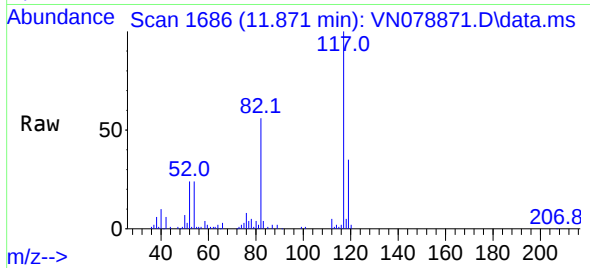
Tgt Ion:173 Resp: 25737
Ion Ratio Lower Upper
173 100
175 48.8 40.7 61.1
254 9.2 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

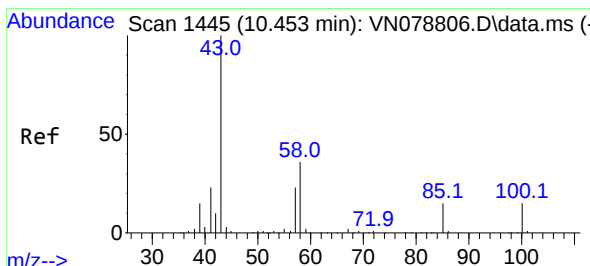
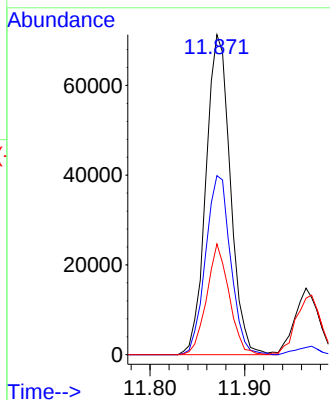
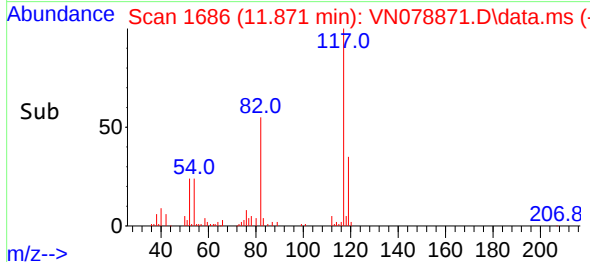
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



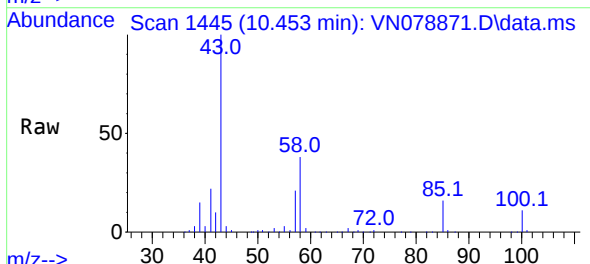
Tgt Ion: 117 Resp: 127940
Ion Ratio Lower Upper
117 100
82 57.3 43.9 65.9
119 31.8 26.2 39.4

Manual Integrations
APPROVED

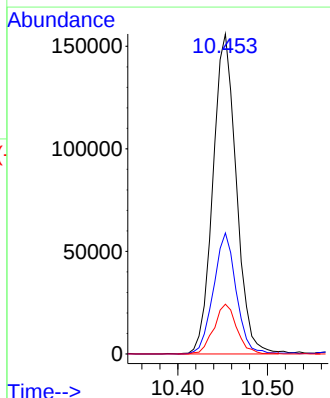
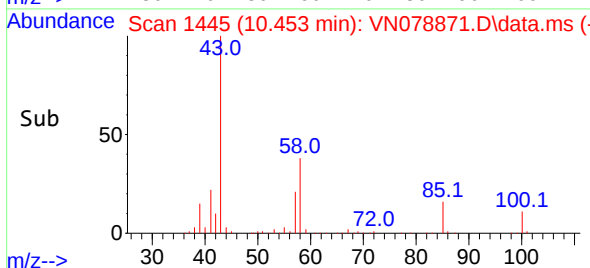
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

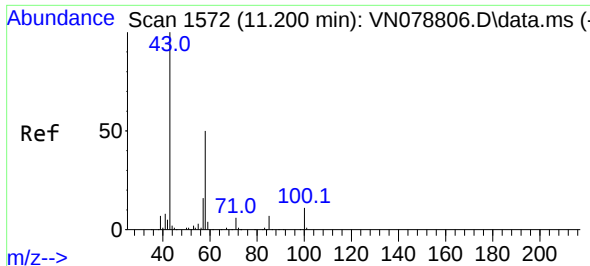


#58
4-Methyl-2-Pentanone
Concen: 114.696 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



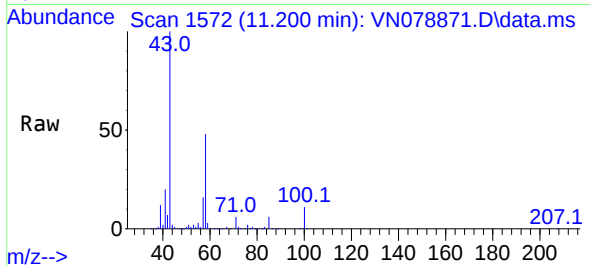
Tgt Ion: 43 Resp: 282056
Ion Ratio Lower Upper
43 100
58 36.9 32.6 48.8
85 15.2 16.2 24.2#





#59
2-Hexanone
Concen: 115.497 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

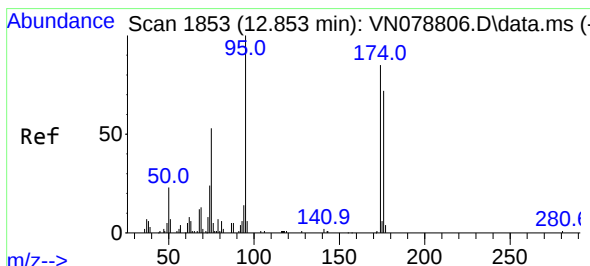
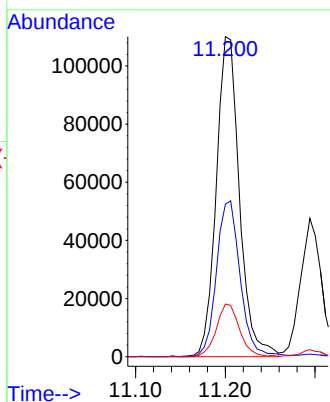
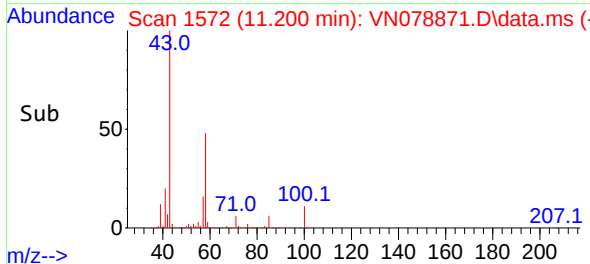
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



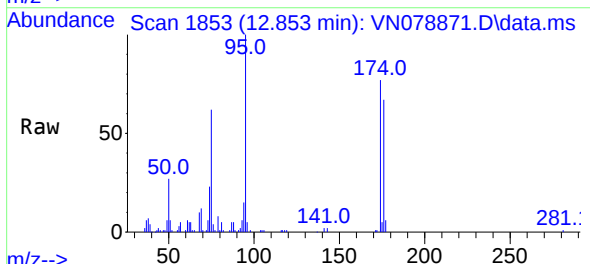
Tgt Ion: 43 Resp: 197372
Ion Ratio Lower Upper
43 100
58 49.7 45.9 68.9
57 16.5 15.8 23.6

Manual Integrations
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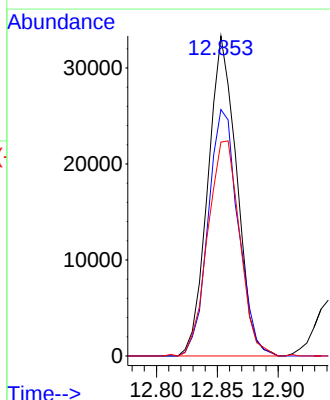
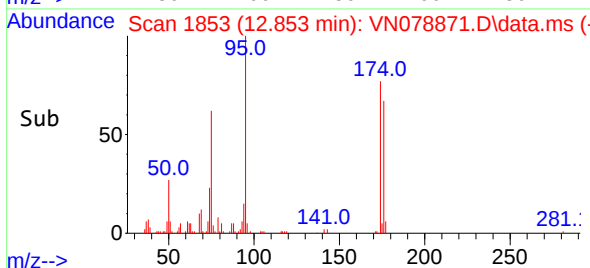
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

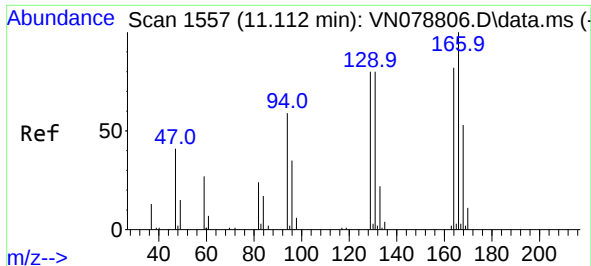


#60
4-Bromofluorobenzene
Concen: 30.503 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



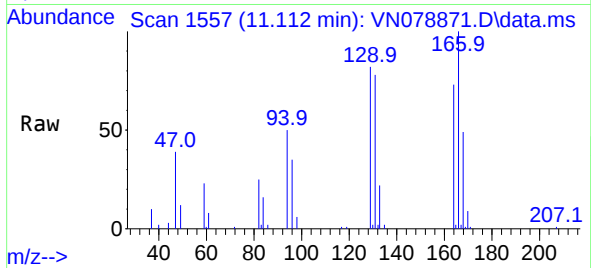
Tgt Ion: 95 Resp: 54779
Ion Ratio Lower Upper
95 100
174 80.5 61.7 92.5
176 74.5 58.1 87.1





#61
Tetrachloroethene
Concen: 20.928 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

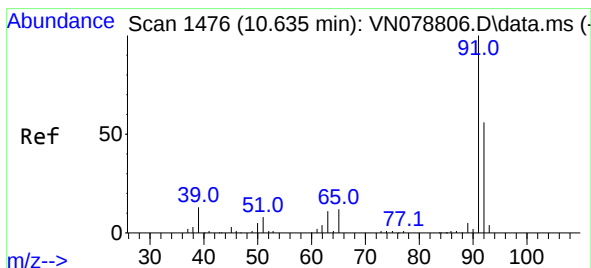
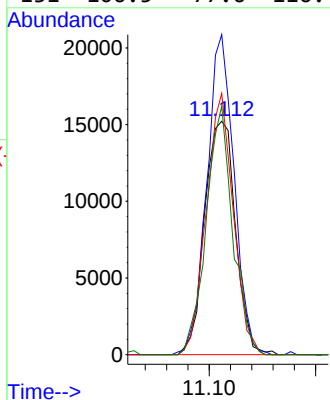
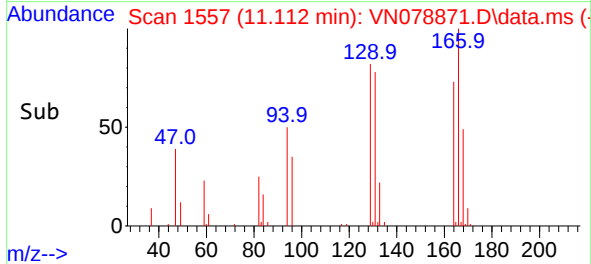
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



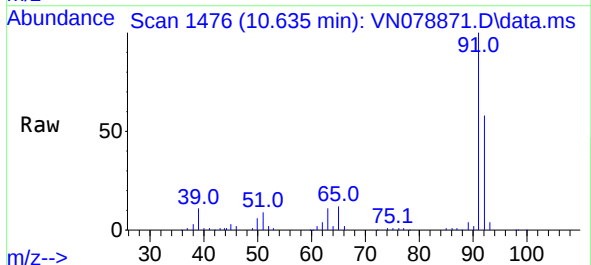
Tgt Ion:164 Resp: 3063
Ion Ratio Lower Upper
164 100
166 137.1 99.1 148.7
129 112.0 85.6 128.4
131 106.5 77.6 116.4

Manual Integrations
APPROVED

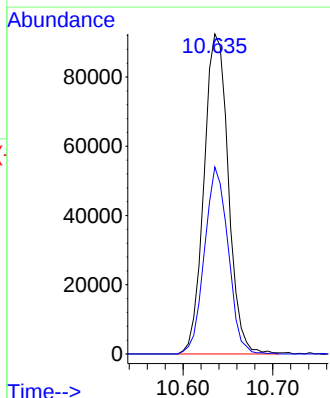
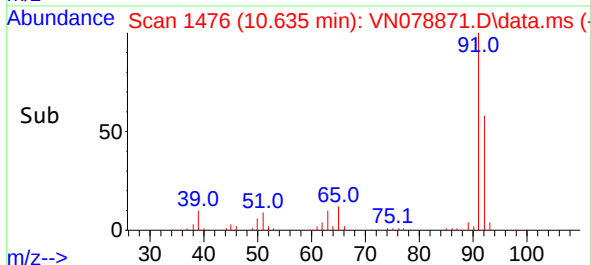
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

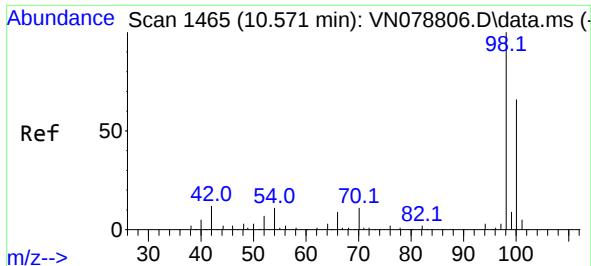


#62
Toluene
Concen: 23.152 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



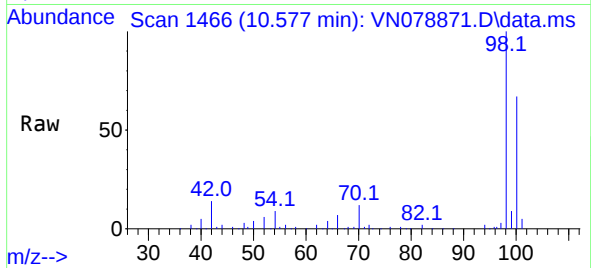
Tgt Ion: 91 Resp: 174386
Ion Ratio Lower Upper
91 100
92 56.5 45.2 67.8





#63
Toluene-d8
Concen: 30.120 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

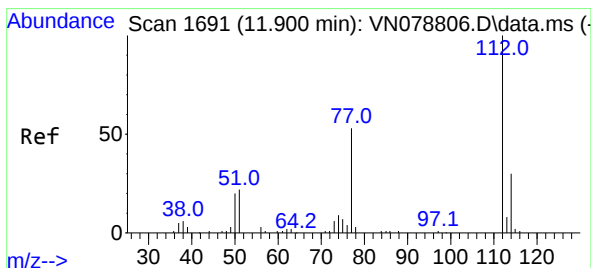
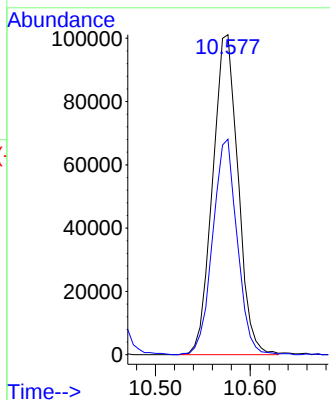
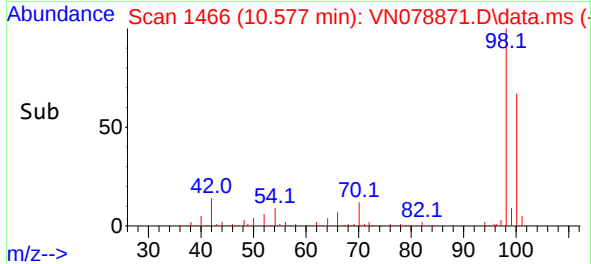
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 188830
Ion Ratio Lower Upper
98 100
100 64.8 49.7 74.5

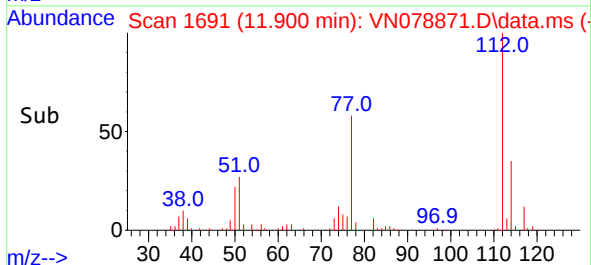
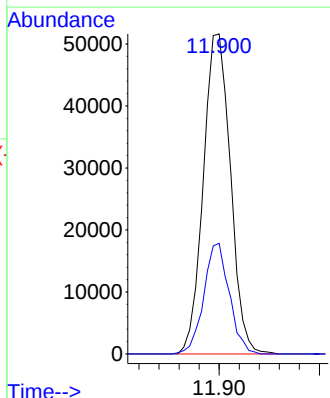
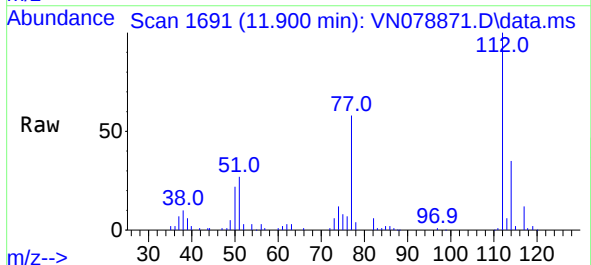
Manual Integrations
APPROVED

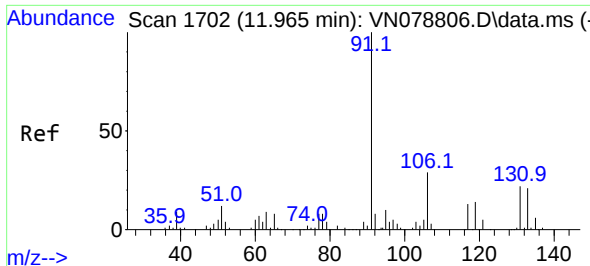
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#64
Chlorobenzene
Concen: 22.050 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

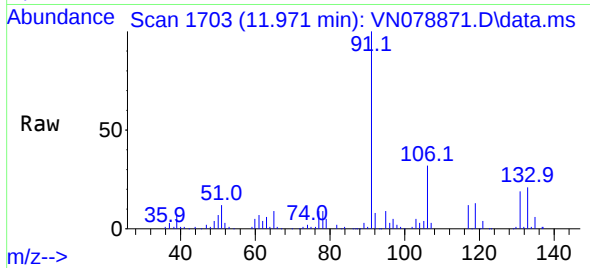
Tgt Ion:112 Resp: 97232
Ion Ratio Lower Upper
112 100
114 34.6 25.9 38.9





#65
1,1,1,2-Tetrachloroethane
Concen: 22.335 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

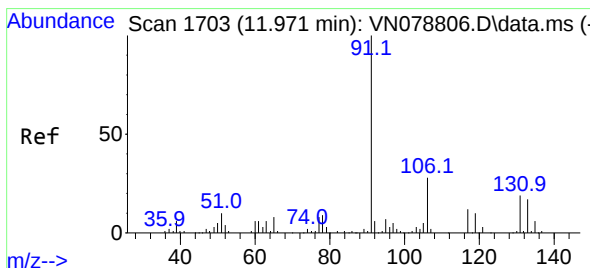
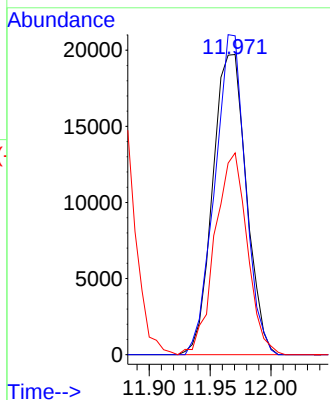
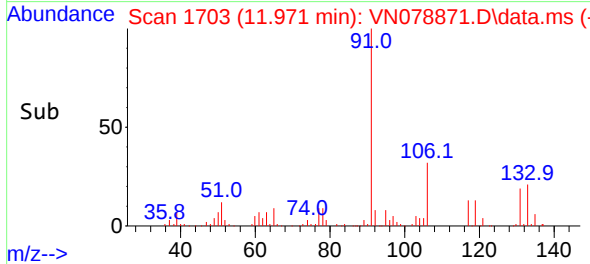
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 37940
Ion Ratio Lower Upper
131 100
133 97.4 0.0 191.8
119 64.5 0.0 132.0

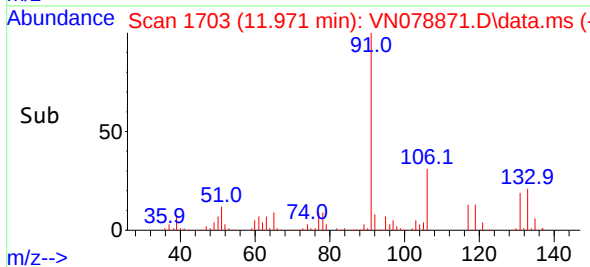
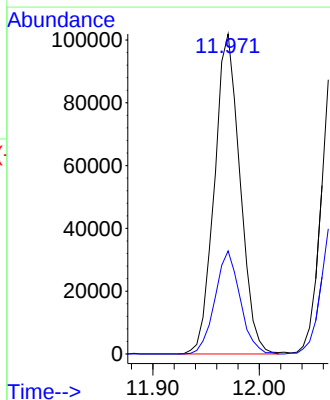
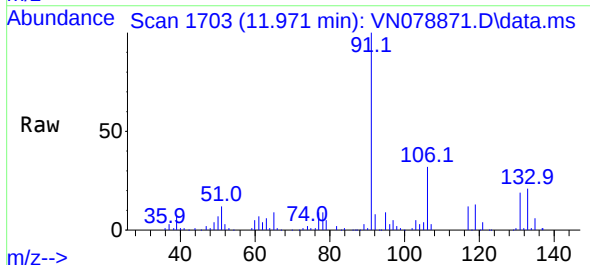
Manual Integrations
APPROVED

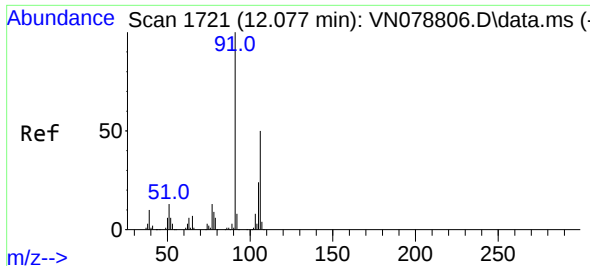
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#66
Ethyl Benzene
Concen: 21.726 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 91 Resp: 169955
Ion Ratio Lower Upper
91 100
106 32.2 25.6 38.4





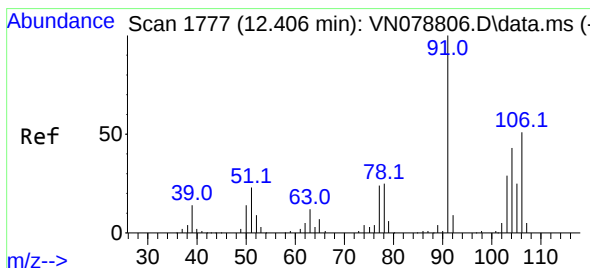
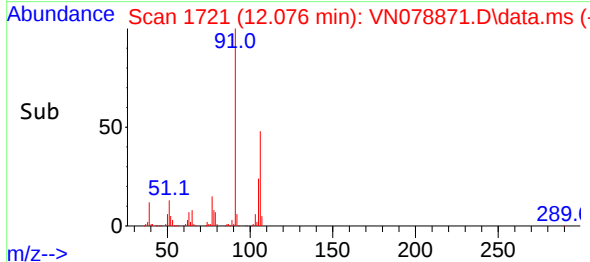
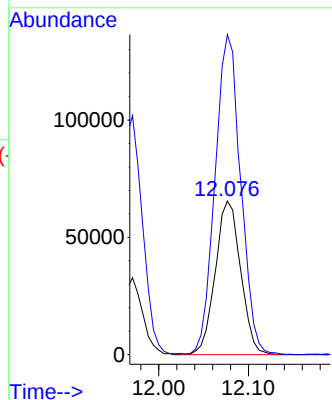
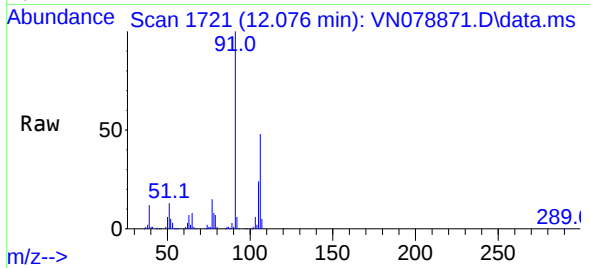
#67
m/p-Xylenes
Concen: 44.817 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 128552
Ion Ratio Lower Upper
106 100
91 210.9 162.5 243.7

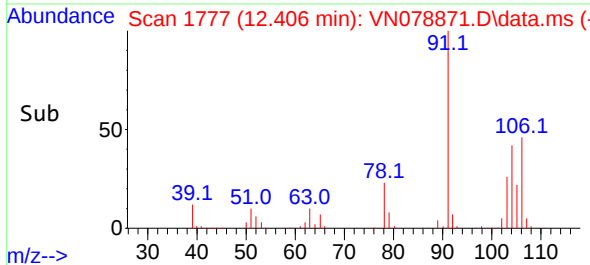
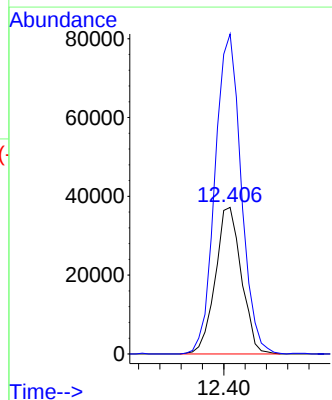
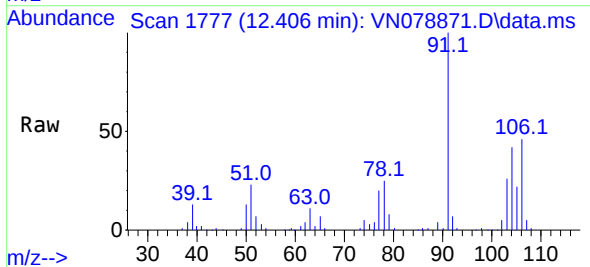
Manual Integrations
APPROVED

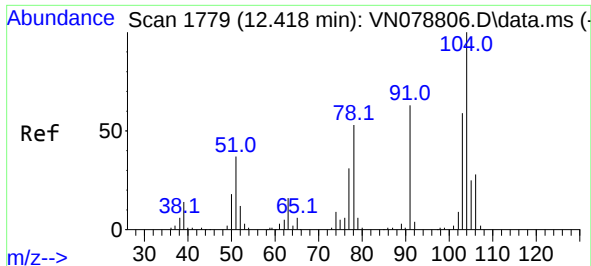
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#68
o-Xylene
Concen: 22.125 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion:106 Resp: 63167
Ion Ratio Lower Upper
106 100
91 219.1 106.1 318.3





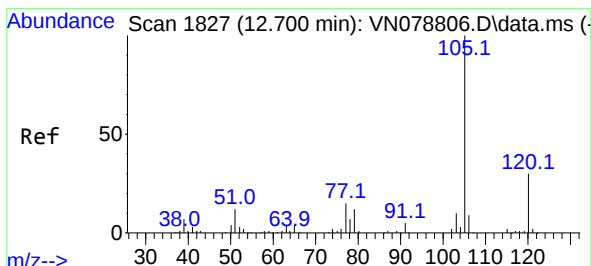
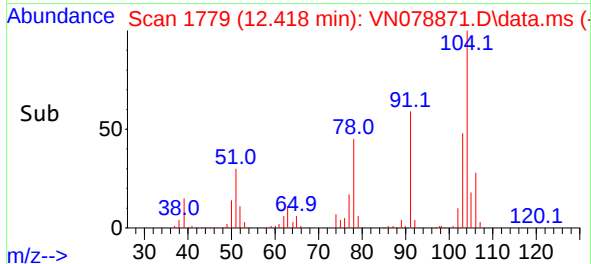
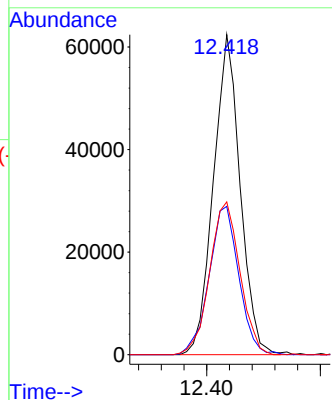
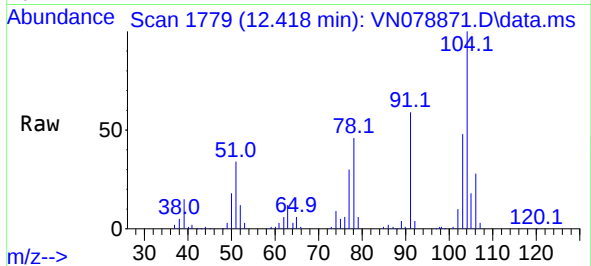
#69
Styrene
Concen: 23.348 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 101855
Ion Ratio Lower Upper
104 100
78 51.5 40.1 60.1
103 54.0 45.1 67.7

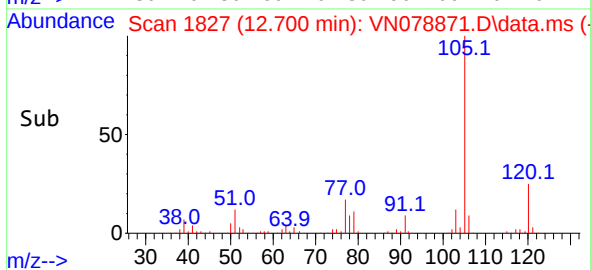
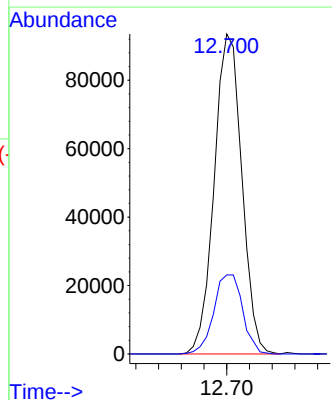
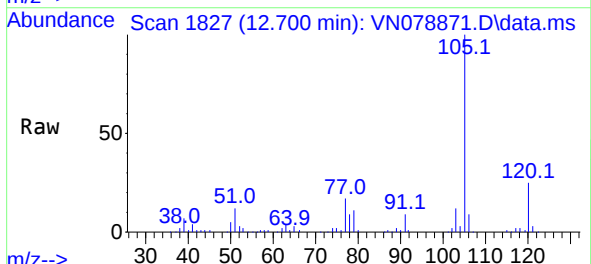
Manual Integrations
APPROVED

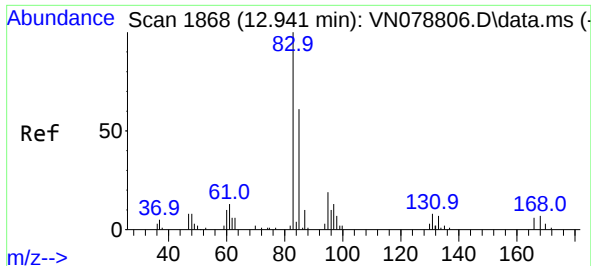
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#70
Isopropylbenzene
Concen: 22.381 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

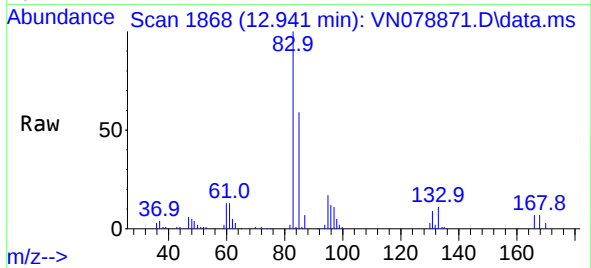
Tgt Ion:105 Resp: 157832
Ion Ratio Lower Upper
105 100
120 25.8 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 24.561 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

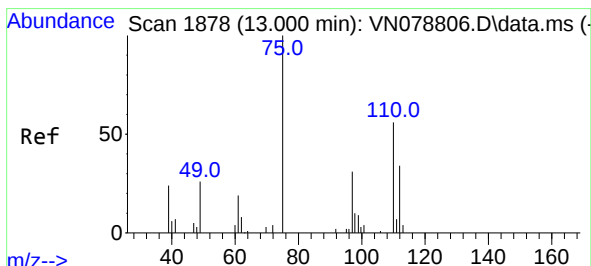
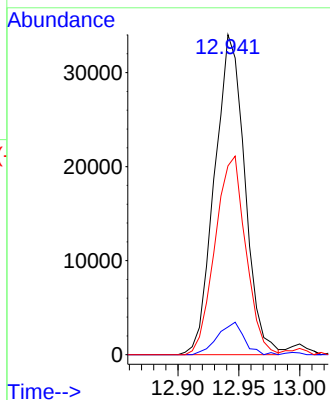
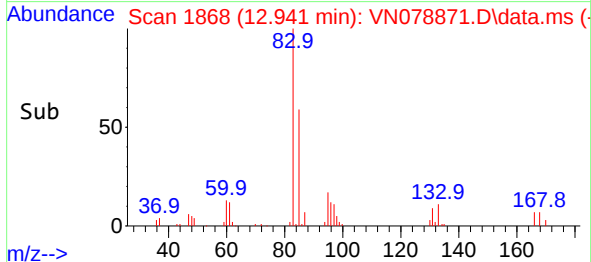
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



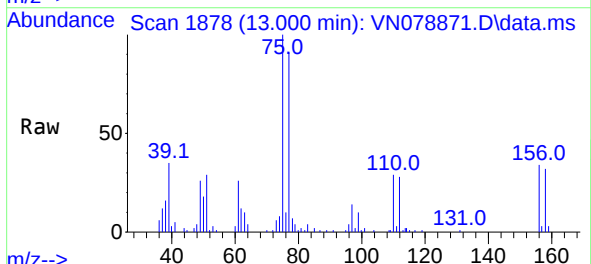
Tgt Ion: 83 Resp: 58694
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.4
85 63.0 32.6 98.0

Manual Integrations
APPROVED

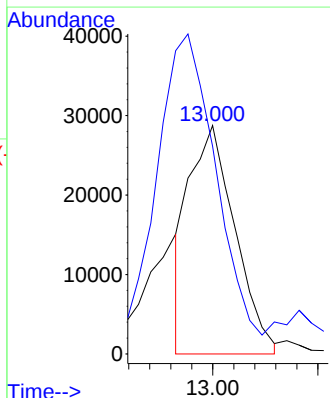
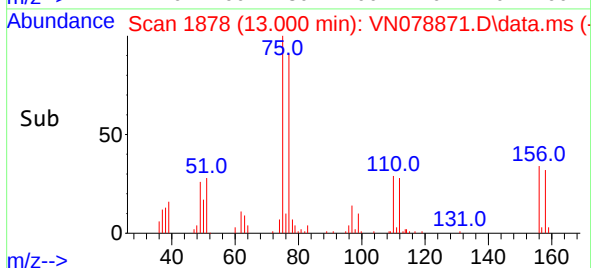
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

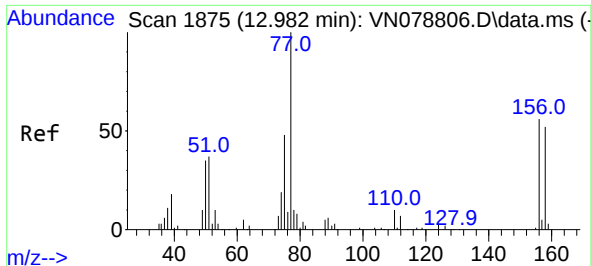


#72
1,2,3-Trichloropropane
Concen: 20.920 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion: 75 Resp: 43638
Ion Ratio Lower Upper
75 100
77 186.9 0.0 387.4





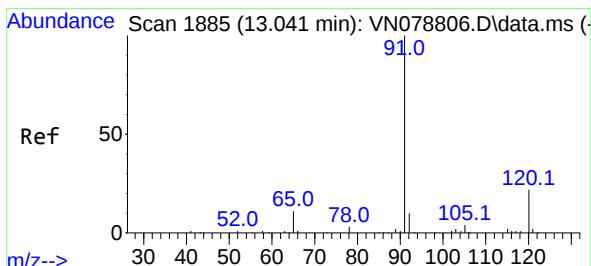
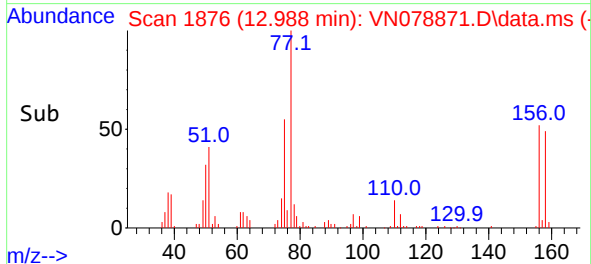
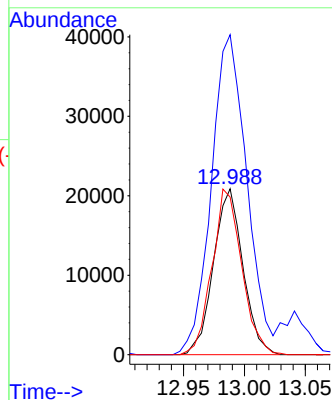
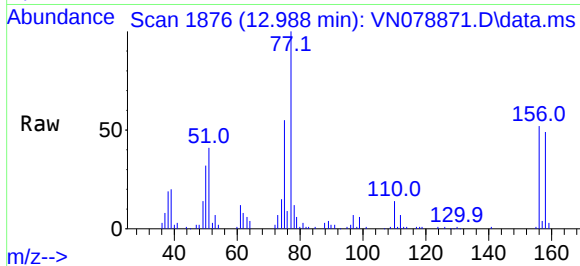
#73
Bromobenzene
Concen: 20.898 ug/l
RT: 12.988 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 3522
Ion Ratio Lower Upper
156 100
77 231.6 0.0 420.8
158 100.7 0.0 193.2

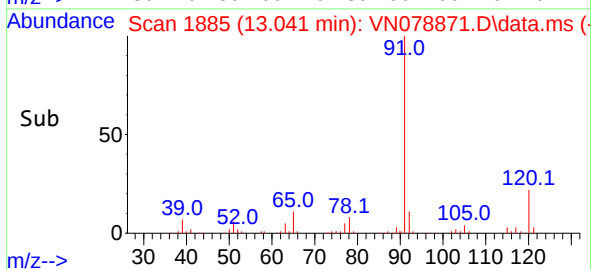
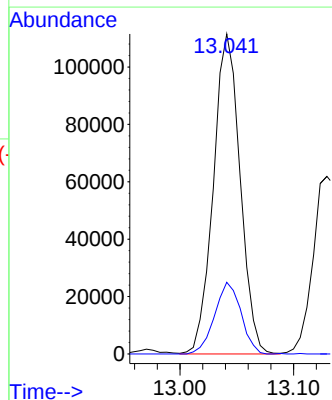
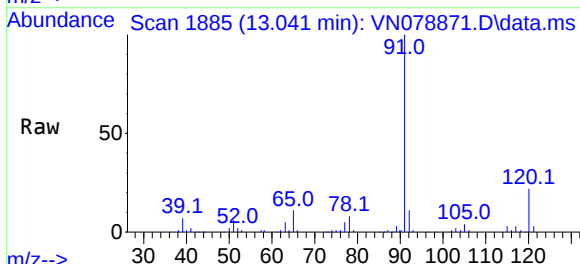
Manual Integrations
APPROVED

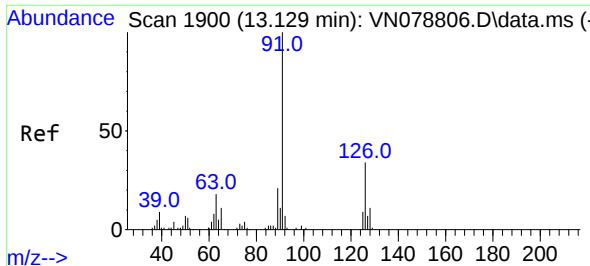
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#74
n-propylbenzene
Concen: 23.399 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion: 91 Resp: 182597
Ion Ratio Lower Upper
91 100
120 22.0 0.0 44.6





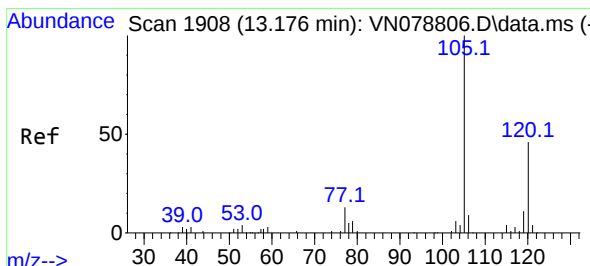
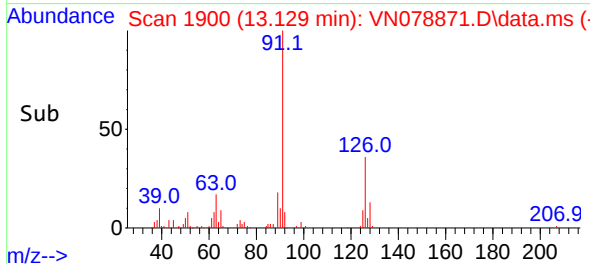
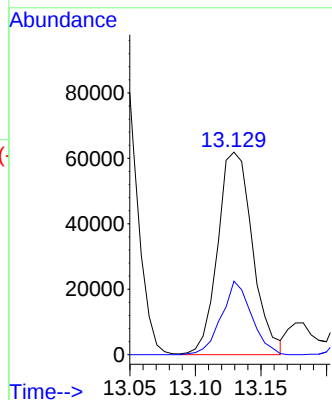
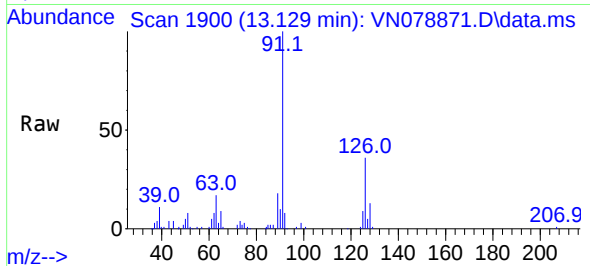
#75
2-Chlorotoluene
Concen: 23.513 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 114308
Ion Ratio Lower Upper
91 100
126 31.4 0.0 67.2

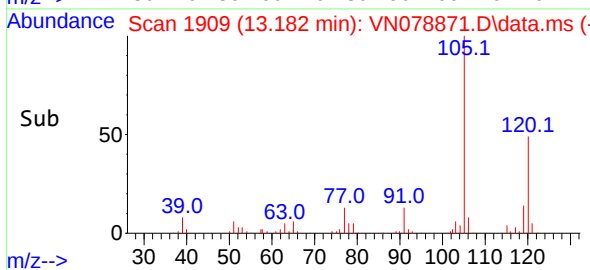
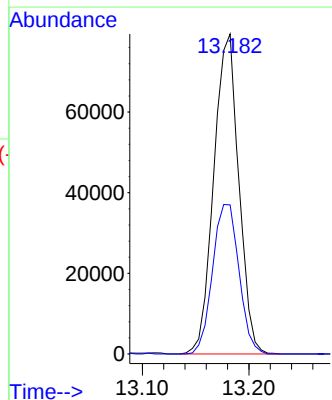
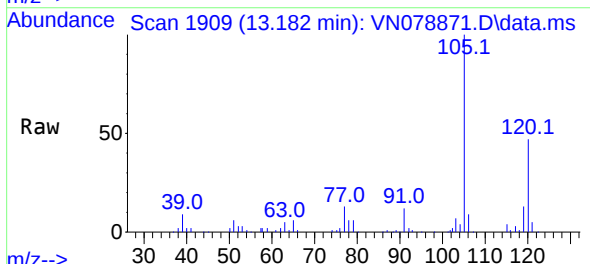
Manual Integrations
APPROVED

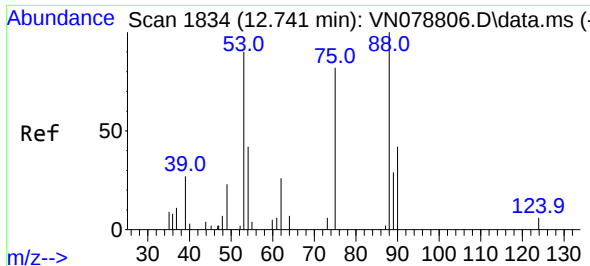
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#76
1,3,5-Trimethylbenzene
Concen: 23.056 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

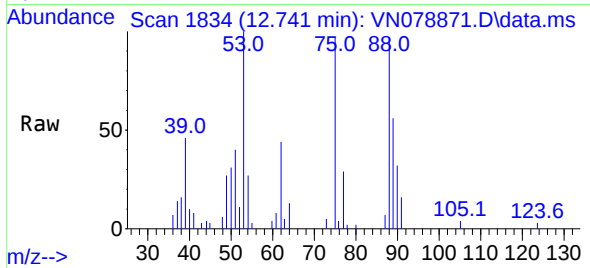
Tgt Ion:105 Resp: 129142
Ion Ratio Lower Upper
105 100
120 49.4 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 23.965 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

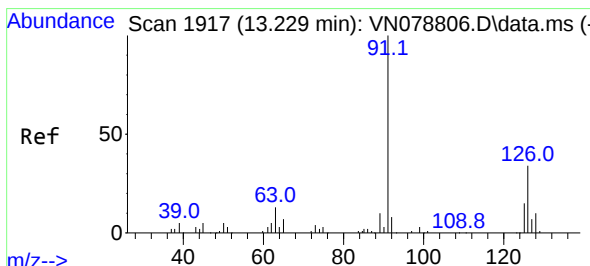
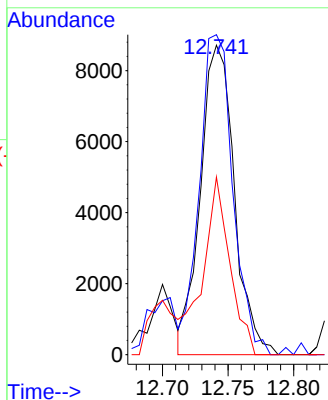
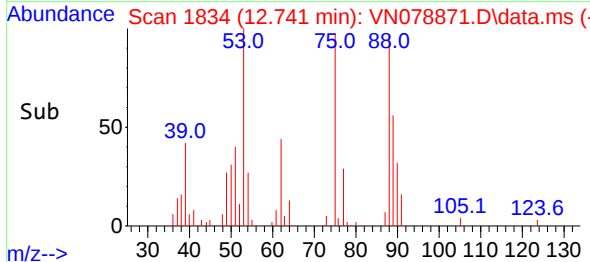
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



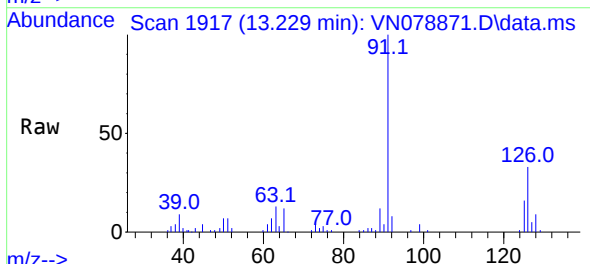
Tgt Ion: 75 Resp: 1569
Ion Ratio Lower Upper
75 100
53 103.4 41.6 124.9
89 57.4 25.1 75.4

Manual Integrations
APPROVED

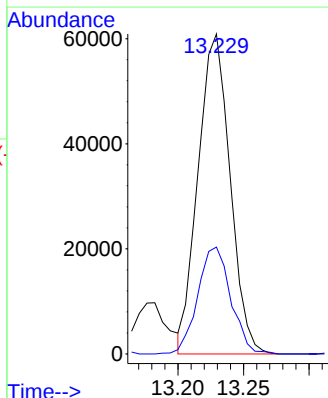
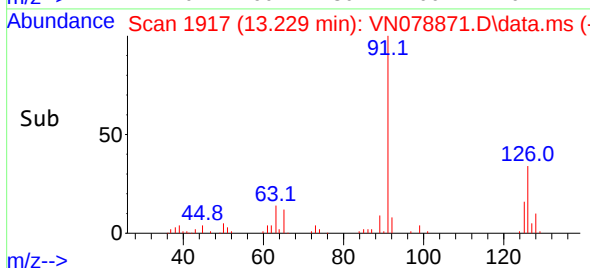
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

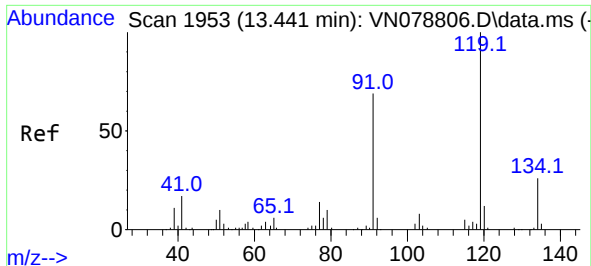


#78
4-Chlorotoluene
Concen: 22.892 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion: 91 Resp: 103244
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.8





#79
tert-butylbenzene
Concen: 22.883 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

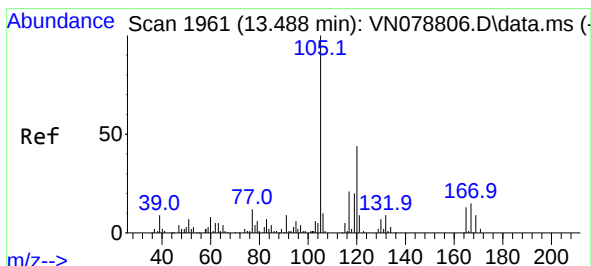
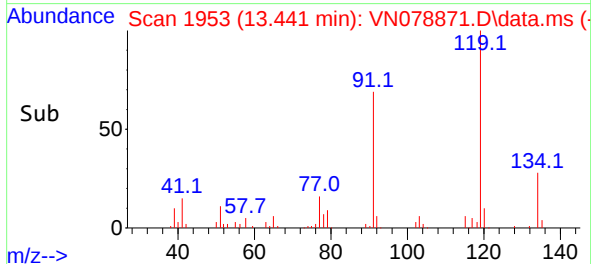
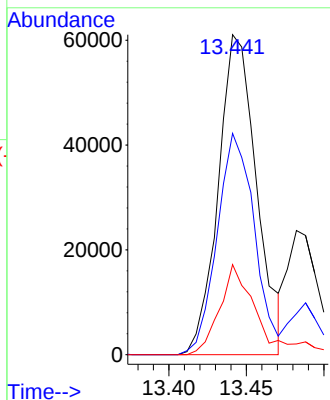
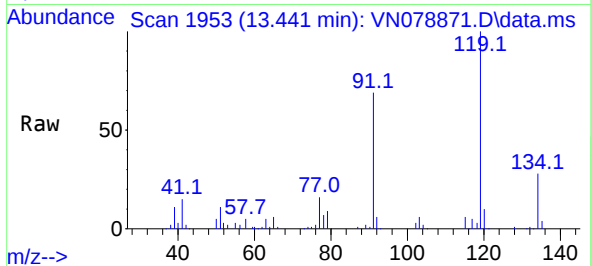
Tgt Ion:119 Resp: 10516
Ion Ratio Lower Upper
119 100
91 67.1 0.0 126.6
134 23.6 0.0 44.0

Manual Integrations

APPROVED

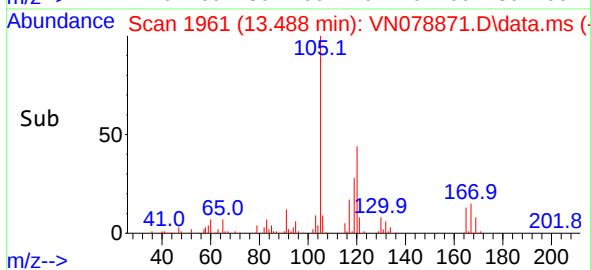
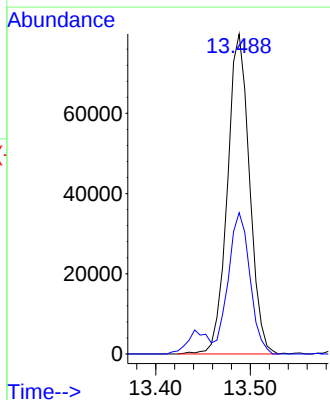
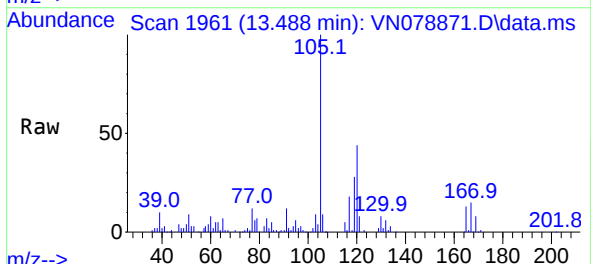
Reviewed By :John Carlone 08/14/2023

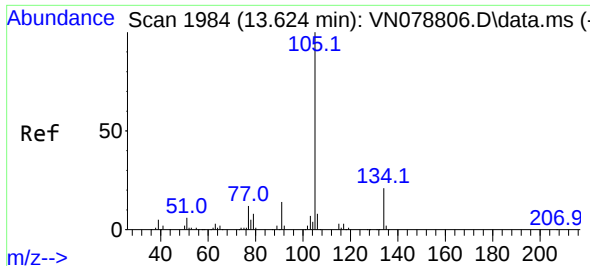
Supervised By :Mahesh Dadoda 08/15/2023



#80
1,2,4-Trimethylbenzene
Concen: 24.472 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

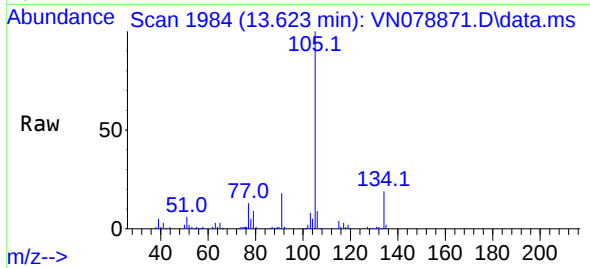
Tgt Ion:105 Resp: 129343
Ion Ratio Lower Upper
105 100
120 43.3 0.0 88.2





#81
 sec-Butylbenzene
 Concen: 23.971 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN078871.D
 Acq: 11 Aug 2023 18:28

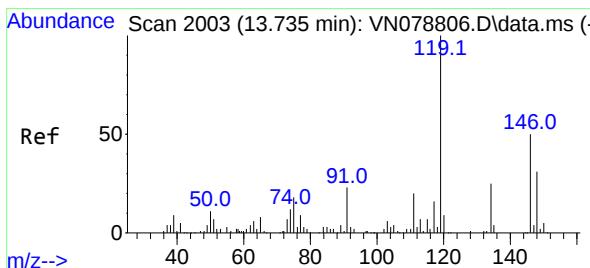
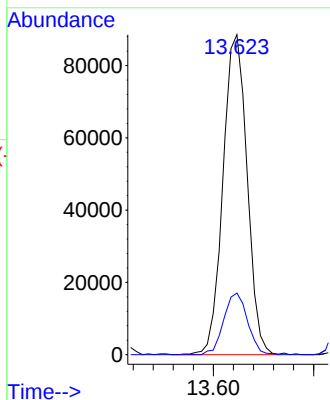
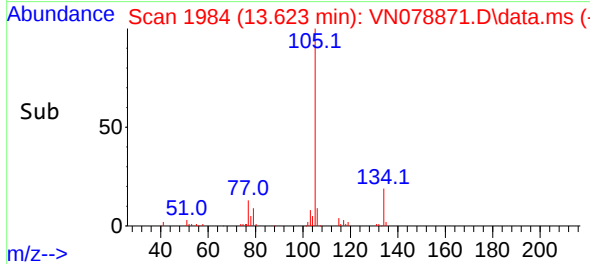
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



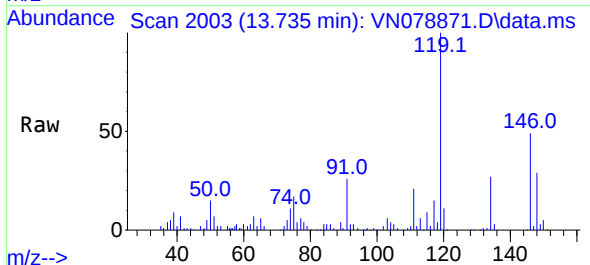
Tgt Ion:105 Resp: 14748
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.6

Manual Integrations
 APPROVED

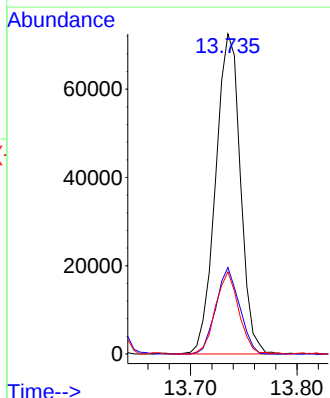
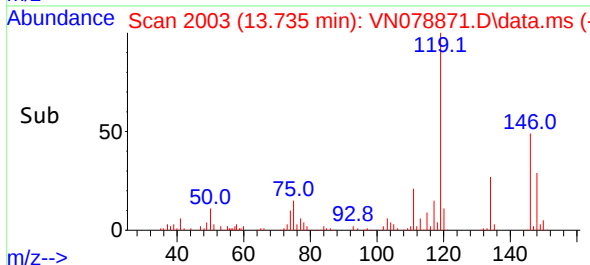
Reviewed By :John Carlone 08/14/2023
 Supervised By :Mahesh Dadoda 08/15/2023

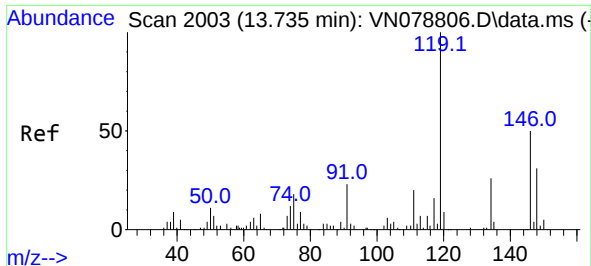


#82
 p-Isopropyltoluene
 Concen: 24.323 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN078871.D
 Acq: 11 Aug 2023 18:28



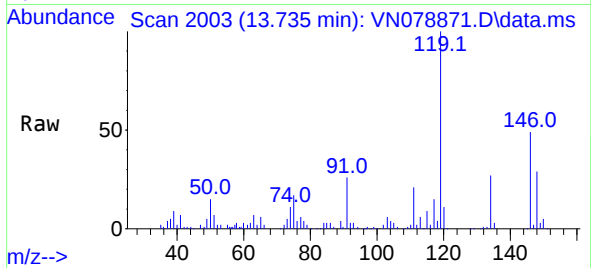
Tgt Ion:119 Resp: 117217
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.4
 91 24.0 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 23.813 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

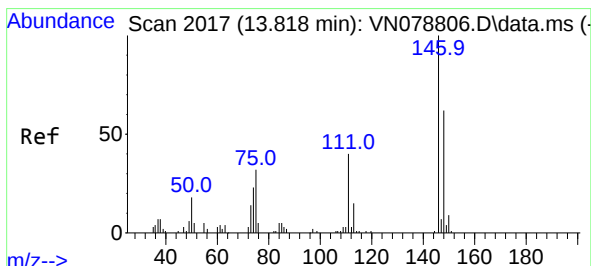
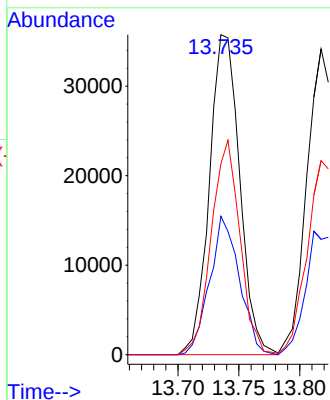
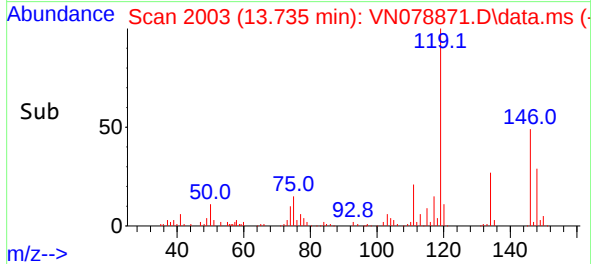
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



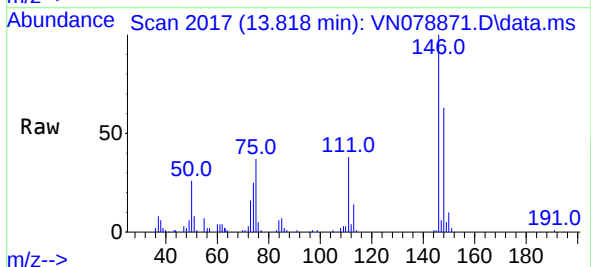
Tgt Ion:146 Resp: 62029
Ion Ratio Lower Upper
146 100
111 42.5 21.6 64.6
148 63.3 31.9 95.5

Manual Integrations
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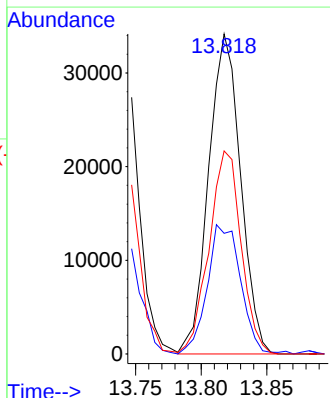
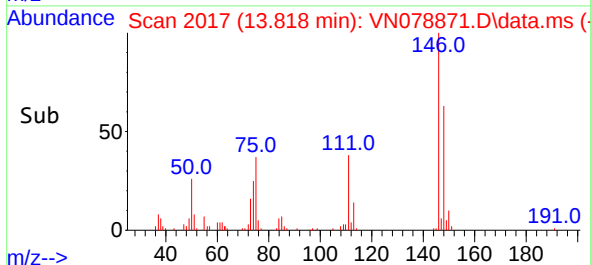
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023

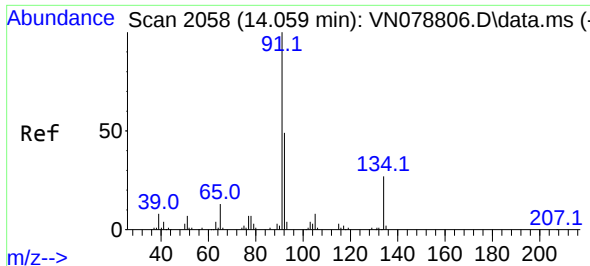


#84
1,4-Dichlorobenzene
Concen: 23.304 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion:146 Resp: 57970
Ion Ratio Lower Upper
146 100
111 42.0 19.4 58.2
148 63.7 31.4 94.3





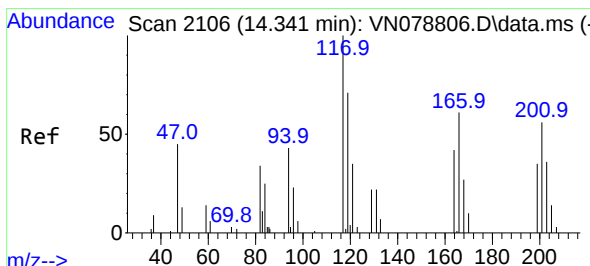
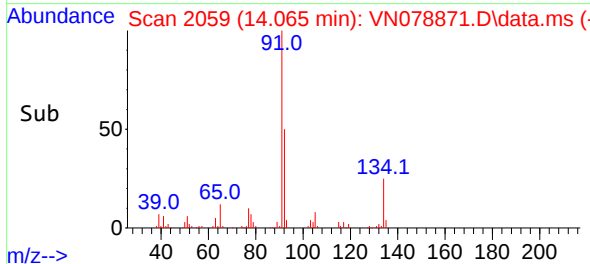
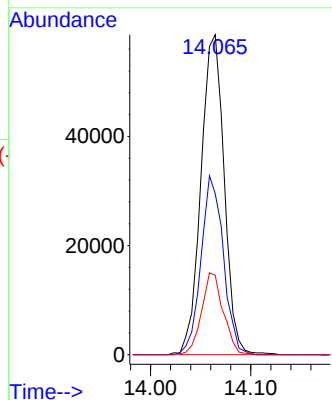
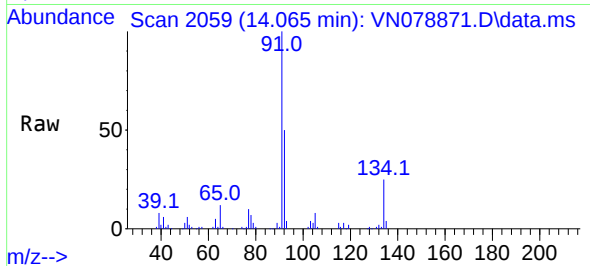
#85
n-Butylbenzene
Concen: 26.654 ug/l
RT: 14.065 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 9452
Ion Ratio Lower Upper
91 100
92 53.8 0.0 99.6
134 23.8 0.0 50.0

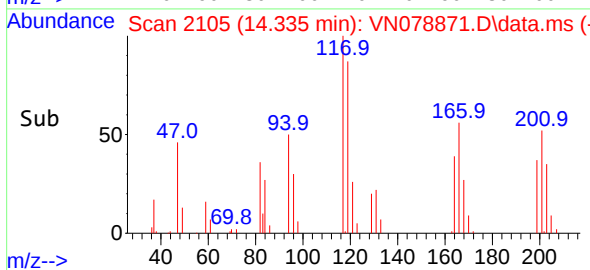
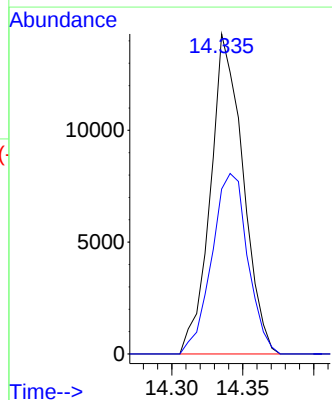
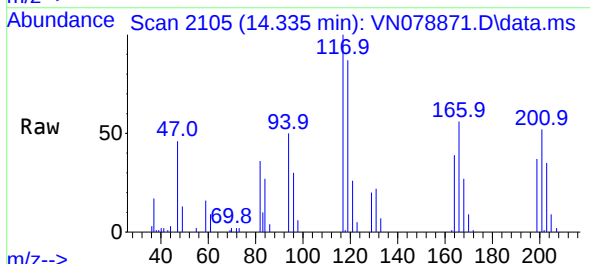
Manual Integrations
APPROVED

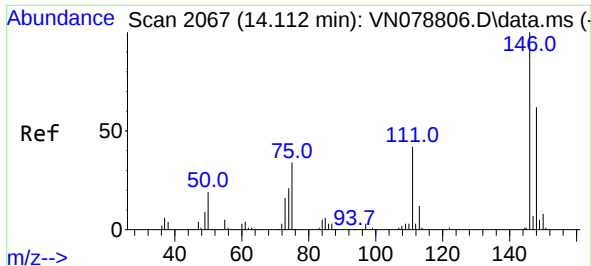
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#86
Hexachloroethane
Concen: 22.498 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

Tgt Ion:117 Resp: 22838
Ion Ratio Lower Upper
117 100
201 62.2 34.2 102.6





#87

1,2-Dichlorobenzene

Concen: 24.167 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 6193

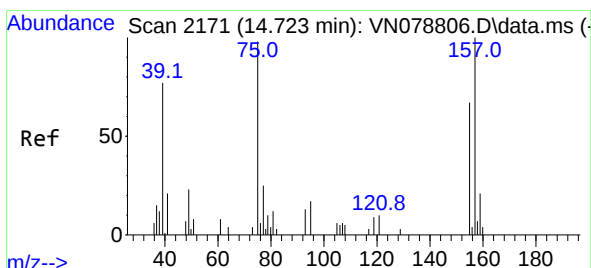
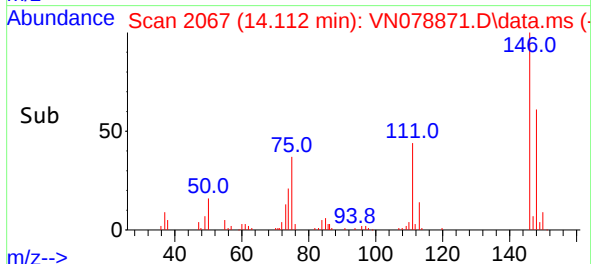
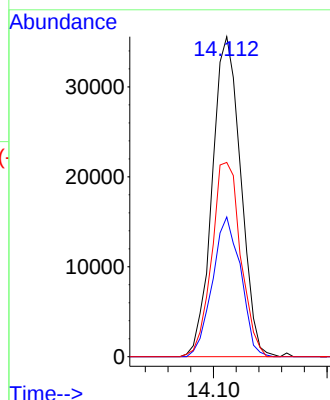
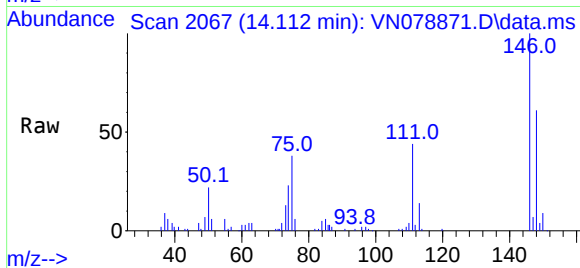
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.4	67.3
148	61.6	33.4	100.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/14/2023

Supervised By :Mahesh Dadoda 08/15/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 23.622 ug/l

RT: 14.723 min Scan# 2171

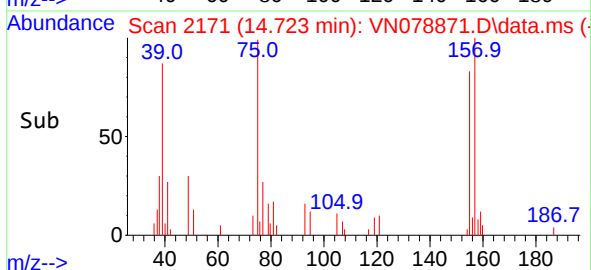
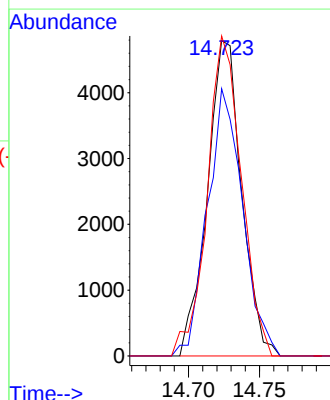
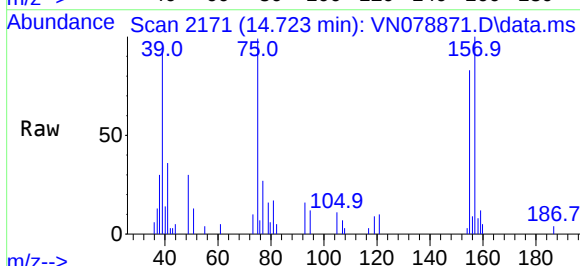
Delta R.T. -0.000 min

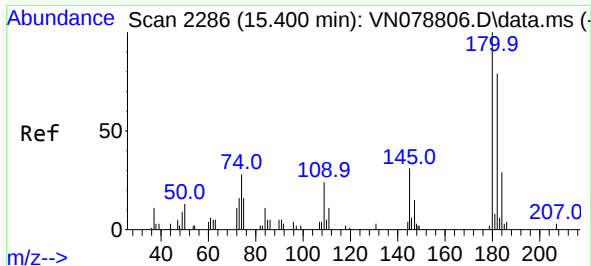
Lab File: VN078871.D

Acq: 11 Aug 2023 18:28

Tgt Ion: 75 Resp: 8018

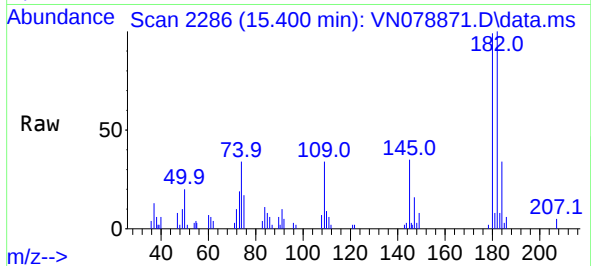
Ion	Ratio	Lower	Upper
75	100		
155	87.5	68.2	102.2
157	101.1	84.7	127.1





#89
1,2,4-Trichlorobenzene
Concen: 21.276 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

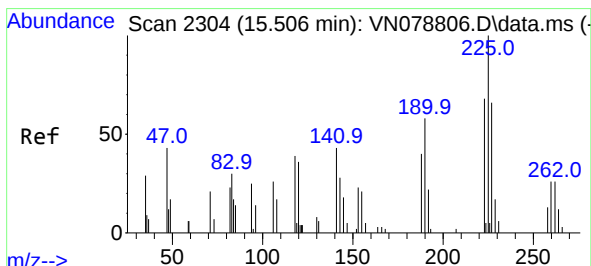
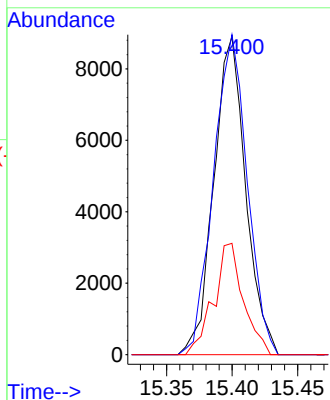
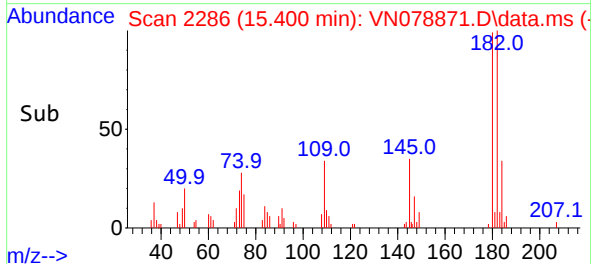
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:180 Resp: 1509
Ion Ratio Lower Upper
180 100
182 106.2 73.7 110.5
145 32.6 25.0 37.6

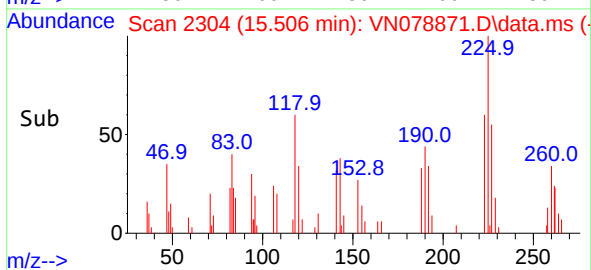
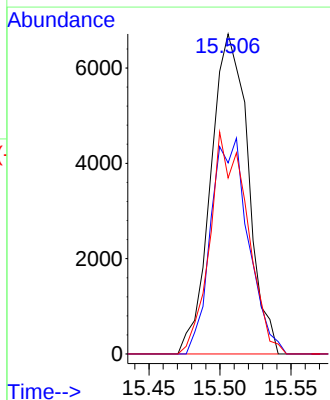
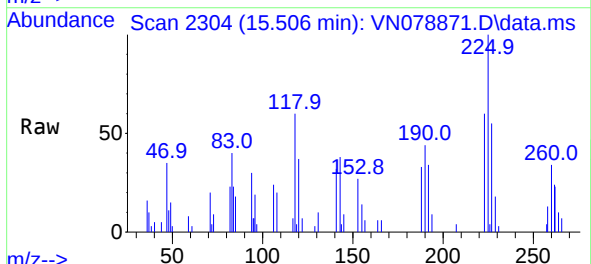
Manual Integrations
APPROVED

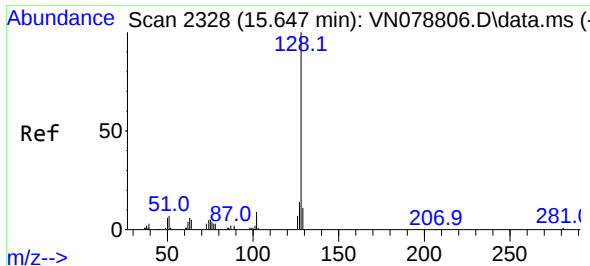
Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#90
Hexachlorobutadiene
Concen: 23.573 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

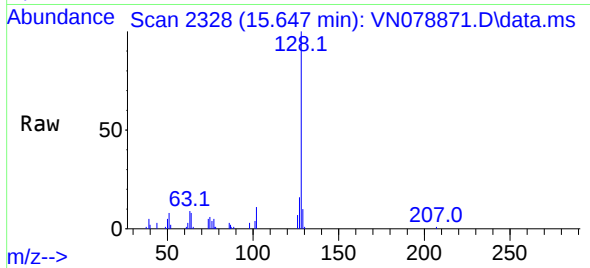
Tgt Ion:225 Resp: 12310
Ion Ratio Lower Upper
225 100
223 67.4 0.0 130.0
227 68.5 0.0 124.0





#91
Naphthalene
Concen: 19.626 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28

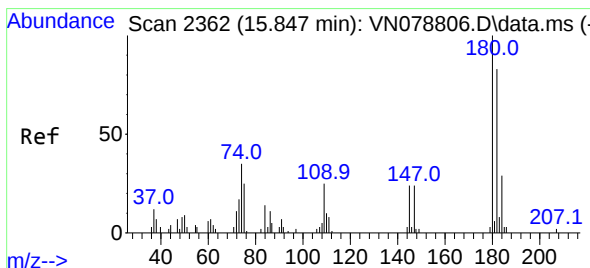
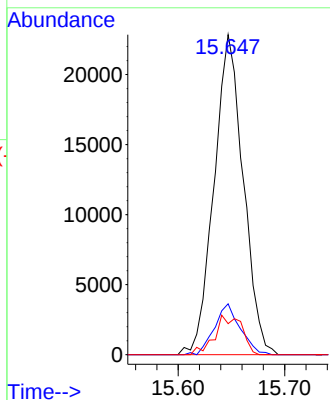
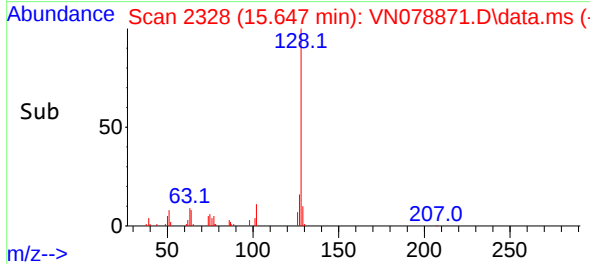
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



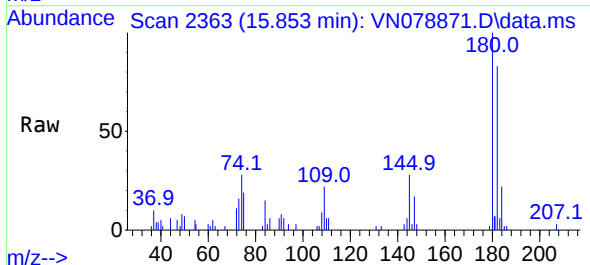
Tgt Ion:128 Resp: 4353
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 5.0 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2023
Supervised By :Mahesh Dadoda 08/15/2023



#92
1,2,3-Trichlorobenzene
Concen: 22.697 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078871.D
Acq: 11 Aug 2023 18:28



Tgt Ion:180 Resp: 18882
Ion Ratio Lower Upper
180 100
182 95.0 0.0 196.4
145 31.9 0.0 71.0

