

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076891.D
 Acq On : 09 Mar 2023 09:51
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2023
 Supervised By : Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 01:23:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	52681	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	393567	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	427733	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	152033	31.397	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.667%			
60) 4-Bromofluorobenzene	12.848	95	251288	31.041	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.467%			
63) Toluene-d8	10.572	98	449563	29.882	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	140844	20.892	ug/l	99
3) Chloromethane	2.378	50	120901	19.621	ug/l	99
4) Vinyl Chloride	2.531	62	111015	19.758	ug/l	93
5) Bromomethane	2.984	94	73260	20.388	ug/l	97
6) Chloroethane	3.143	64	63265	19.161	ug/l	90
7) Trichlorofluoromethane	3.519	101	211752	20.173	ug/l	98
8) Diethyl Ether	3.978	74	80657	20.490	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.390	101	123032	20.690	ug/l	96
10) 1,1-Dichloroethene	4.360	96	118909	20.602	ug/l	96
11) Methyl Iodide	4.613	142	136858	19.678	ug/l	91
12) Methyl Acetate	5.042	43	185461	19.536	ug/l	93
13) Acrolein	4.195	56	135356	96.446	ug/l	98
14) Acrylonitrile	5.737	53	304695	97.432	ug/l	98
15) Acetone	4.437	58	111115	130.557	ug/l	87
16) Carbon Disulfide	4.737	76	328731	20.540	ug/l	97
17) Allyl chloride	5.037	41	174493	20.156	ug/l	95
18) Methylene Chloride	5.295	84	133177	19.726	ug/l	87
19) trans-1,2-Dichloroethene	5.795	96	123829	20.361	ug/l	96
20) Diisopropyl ether	6.684	45	402311	20.600	ug/l #	97
21) 1,1-Dichloroethane	6.584	63	234999	20.220	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	145050	20.812	ug/l	97
23) tert-Butyl Alcohol	5.537	59	100024m	110.130	ug/l	
24) Methyl tert-Butyl Ether	5.807	73	394132	20.944	ug/l	93
25) Chloroform	7.972	83	237205	19.868	ug/l	99
26) Cyclohexane	8.266	56	209895	19.781	ug/l #	93
29) 1,1-Dichloropropene	8.378	75	181761	19.607	ug/l	99
30) 2-Butanone	7.489	43	424577	100.389	ug/l	95
31) 2,2-Dichloropropane	7.501	77	186492	20.305	ug/l #	59
32) 1,1,1-Trichloroethane	8.178	97	210427	19.461	ug/l	96
33) Carbon Tetrachloride	8.372	117	184341	19.281	ug/l	98
34) Benzene	8.613	78	543116	19.111	ug/l	98
35) Methacrylonitrile	7.789	41	90042	18.920	ug/l	93
36) 1,2-Dichloroethane	8.672	62	184353	19.353	ug/l	99
37) Trichloroethene	9.360	130	135436	19.336	ug/l	98
38) Methylcyclohexane	9.607	83	226196	19.603	ug/l	98
39) 1,2-Dichloropropane	9.624	63	139759	19.140	ug/l	97
40) Dibromomethane	9.713	93	89685	19.279	ug/l	95
41) Bromodichloromethane	9.889	83	184885	19.393	ug/l	99
42) Vinyl Acetate	6.619	43	1266724	96.084	ug/l	96

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 Acq On : 09 Mar 2023 09:51
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
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 Supervised By : Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 01:23:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	152351	17.852	ug/l	99
44) Isopropyl Acetate	8.695	43	261102	18.874	ug/l	90
45) 1,4-Dioxane	9.701	88	46522	399.746	ug/l #	93
46) Methyl methacrylate	9.683	41	126381	18.759	ug/l	87
47) n-amyl Acetate	12.495	43	220741m	19.607	ug/l	
48) t-1,3-Dichloropropene	10.836	75	194284	20.346	ug/l	96
49) cis-1,3-Dichloropropene	10.319	75	213740	19.708	ug/l #	89
50) 1,1,2-Trichloroethane	11.019	97	129254	18.966	ug/l	91
51) Ethyl methacrylate	10.877	69	197065	19.614	ug/l	88
52) 1,3-Dichloropropane	11.166	76	222757	18.924	ug/l	100
53) Dibromochloromethane	11.360	129	137584	19.789	ug/l	98
54) 1,2-Dibromoethane	11.471	107	128717	19.572	ug/l	98
55) 2-Chloroethyl vinyl ether	10.166	63	342985	97.367	ug/l	98
56) Bromoform	12.583	173	91267	19.622	ug/l	95
58) 4-Methyl-2-Pentanone	10.448	43	815495	94.378	ug/l #	89
59) 2-Hexanone	11.201	43	619039	100.850	ug/l #	89
61) Tetrachloroethene	11.107	164	133715	19.803	ug/l	92
62) Toluene	10.636	91	582759	19.772	ug/l	99
64) Chlorobenzene	11.895	112	352976	20.345	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.960	131	126415	19.400	ug/l	97
66) Ethyl Benzene	11.966	91	649706	20.304	ug/l	98
67) m/p-Xylenes	12.071	106	495892	40.912	ug/l	90
68) o-Xylene	12.401	106	237085	20.034	ug/l	94
69) Styrene	12.413	104	398227	20.749	ug/l	97
70) Isopropylbenzene	12.701	105	633400	20.571	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.942	83	178239	19.199	ug/l	100
72) 1,2,3-Trichloropropane	12.995	75	162247m	19.051	ug/l	
73) Bromobenzene	12.983	156	144817	20.842	ug/l	97
74) n-propylbenzene	13.036	91	762815	20.989	ug/l	99
75) 2-Chlorotoluene	13.130	91	458601	20.404	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	555619	20.848	ug/l	93
77) t-1,4-Dichloro-2-butene	12.742	75	55623	21.396	ug/l	96
78) 4-Chlorotoluene	13.224	91	451082	20.820	ug/l	94
79) tert-butylbenzene	13.442	119	460866	20.679	ug/l	94
80) 1,2,4-Trimethylbenzene	13.483	105	550344	21.013	ug/l	94
81) sec-Butylbenzene	13.618	105	678486	21.278	ug/l	100
82) p-Isopropyltoluene	13.730	119	563038	21.847	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	270355	21.029	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	270606	21.669	ug/l	96
85) n-Butylbenzene	14.060	91	498301	22.811	ug/l	99
86) Hexachloroethane	14.336	117	93286	20.273	ug/l	90
87) 1,2-Dichlorobenzene	14.107	146	261479	20.395	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	35382	19.567	ug/l	95
89) 1,2,4-Trichlorobenzene	15.395	180	155001	22.664	ug/l	98
90) Hexachlorobutadiene	15.506	225	82960	23.009	ug/l	95
91) Naphthalene	15.642	128	475373	21.915	ug/l	98
92) 1,2,3-Trichlorobenzene	15.842	180	154204	22.491	ug/l	97

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

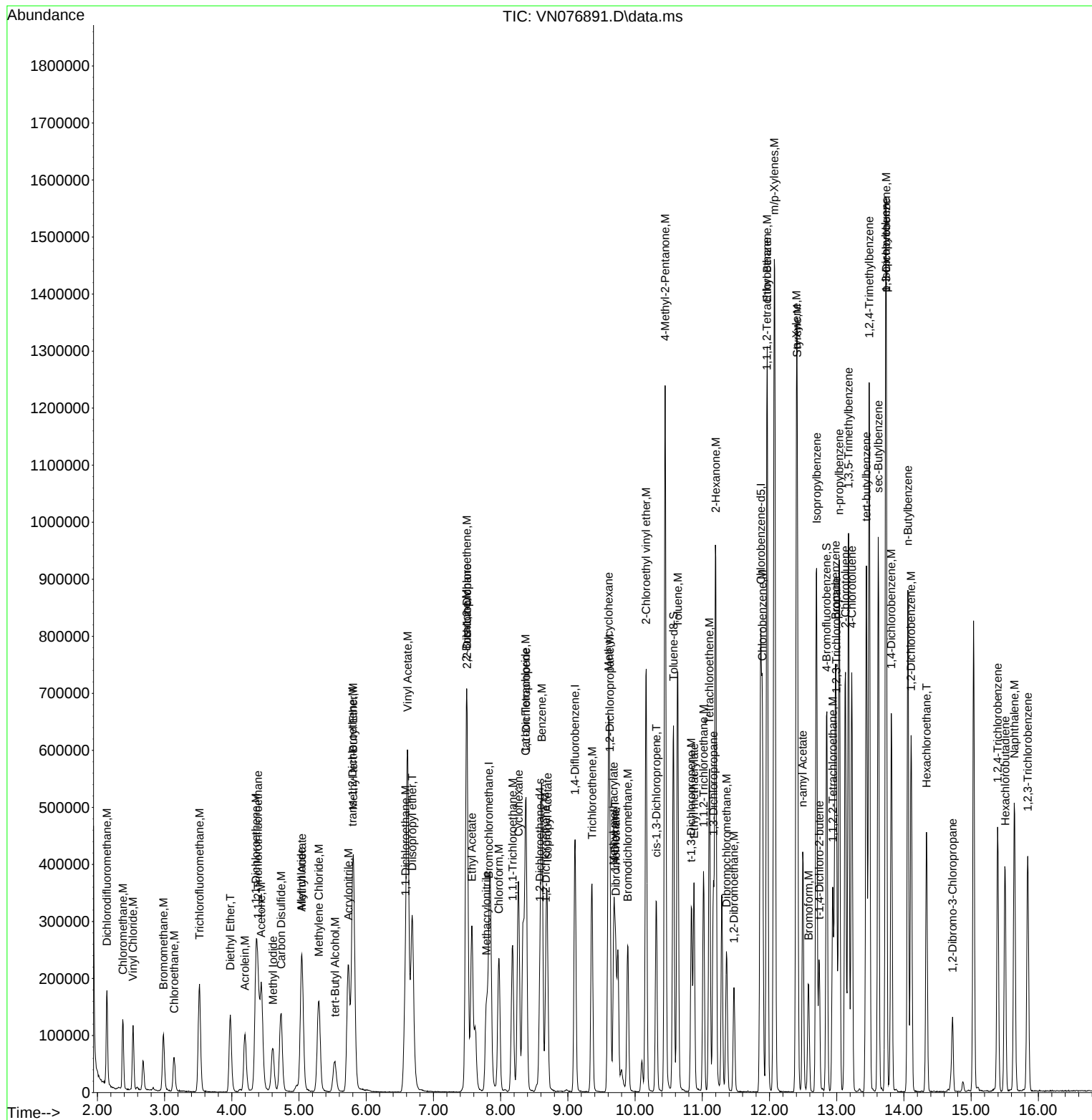
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 Data File : VN076891.D
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 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

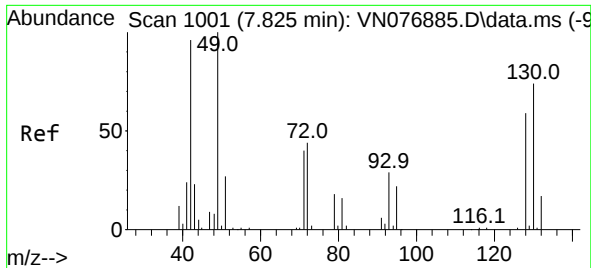
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations APPROVED

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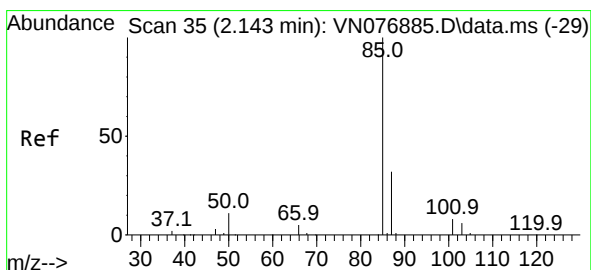
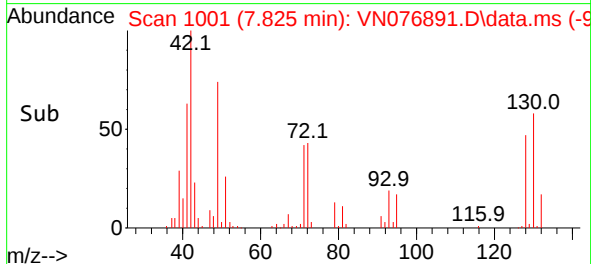
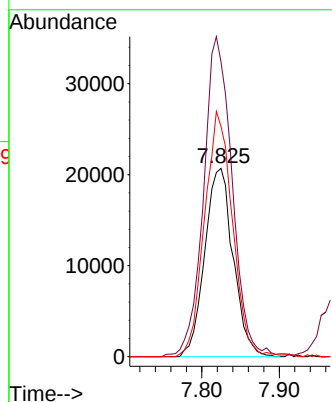
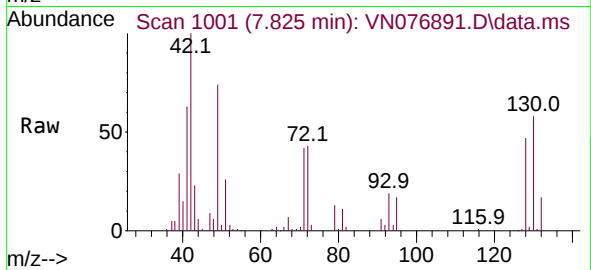
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 5268
Ion Ratio Lower Upper
128 100
49 166.5 0.0 461.8
130 127.4 0.0 295.3

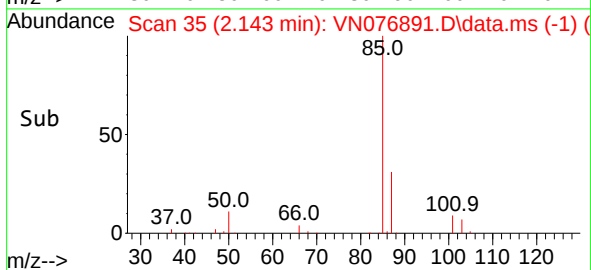
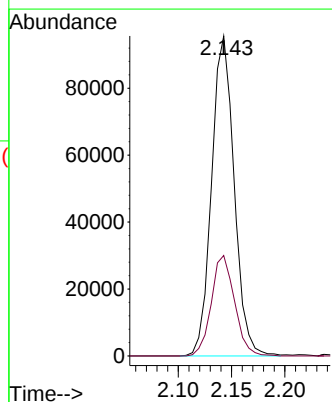
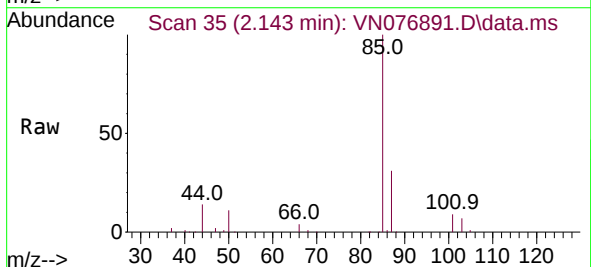
Manual Integrations
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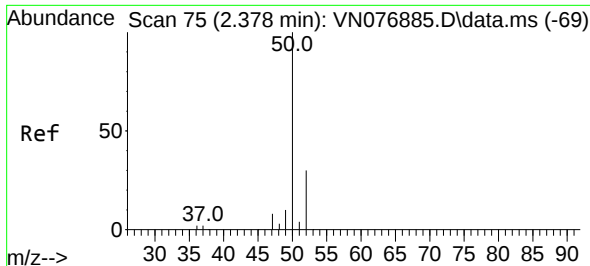
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#2
Dichlorodifluoromethane
Concen: 20.892 ug/l
RT: 2.143 min Scan# 35
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

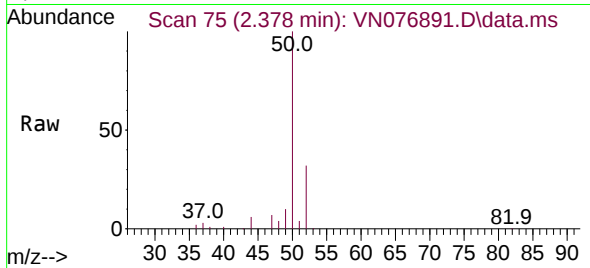
Tgt Ion: 85 Resp: 140844
Ion Ratio Lower Upper
85 100
87 31.4 15.4 46.1





#3
Chloromethane
Concen: 19.621 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

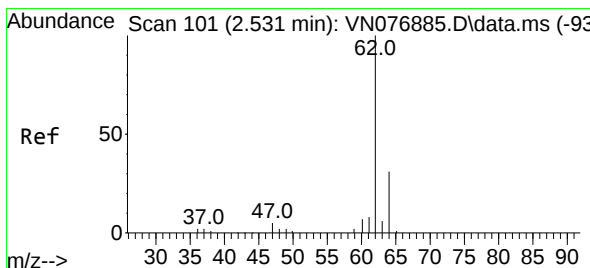
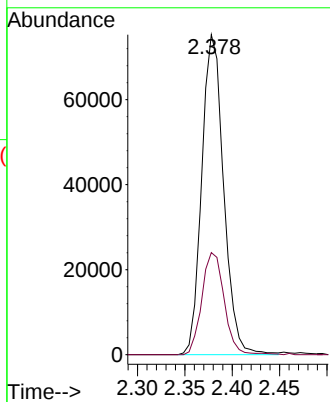
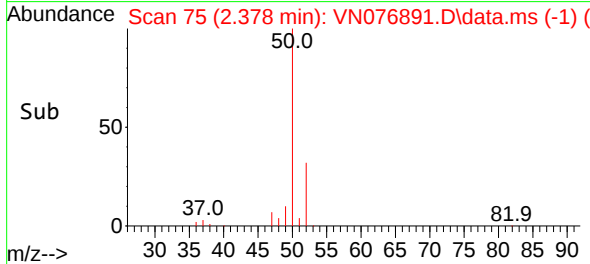
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 50 Resp: 12090
Ion Ratio Lower Upper
50 100
52 31.9 25.3 37.9

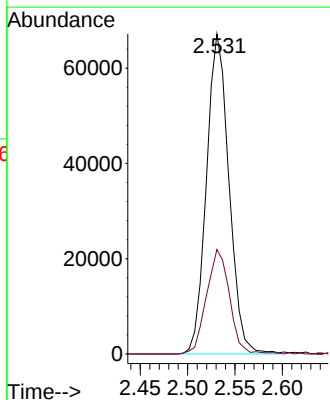
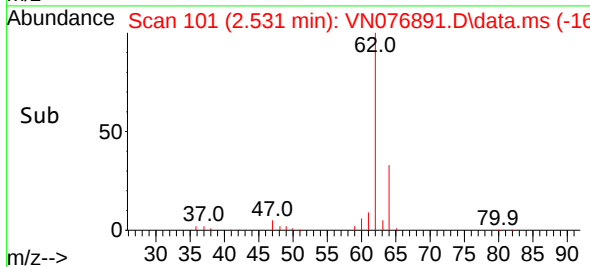
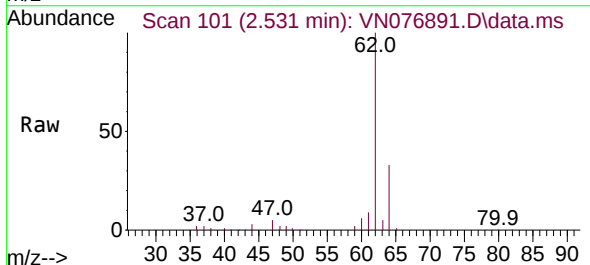
Manual Integrations
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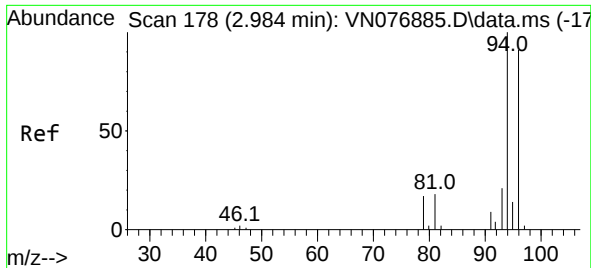
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#4
Vinyl Chloride
Concen: 19.758 ug/l
RT: 2.531 min Scan# 101
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

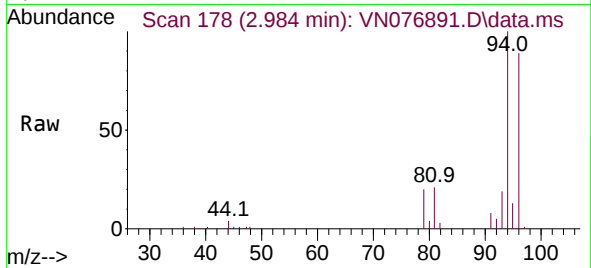
Tgt Ion: 62 Resp: 111015
Ion Ratio Lower Upper
62 100
64 32.7 23.1 34.7





#5
Bromomethane
Concen: 20.388 ug/l
RT: 2.984 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

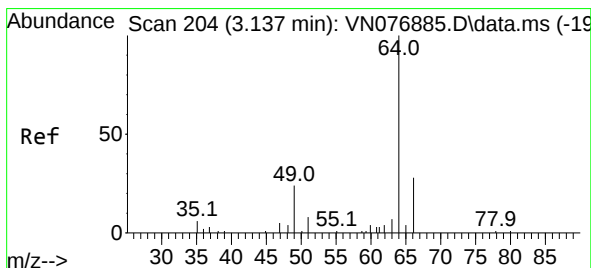
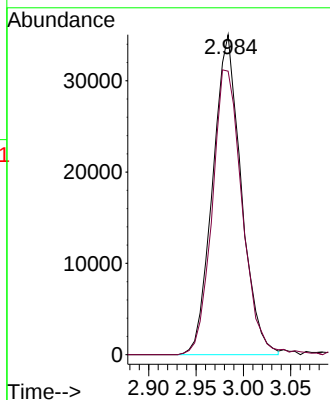
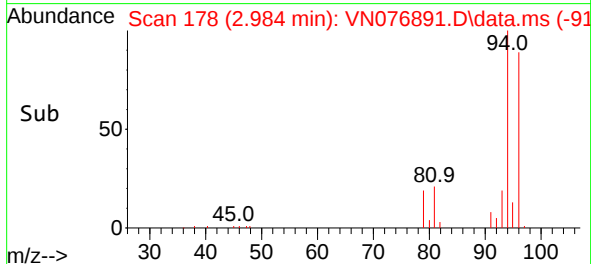
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



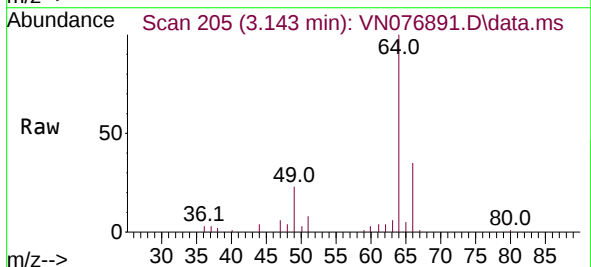
Tgt Ion: 94 Resp: 73260
Ion Ratio Lower Upper
94 100
96 88.6 68.6 103.0

Manual Integrations
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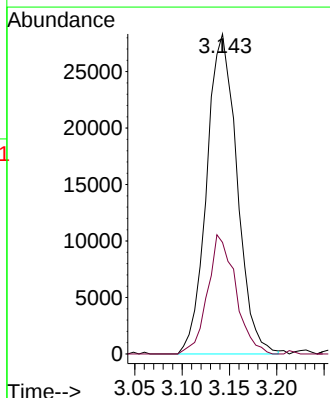
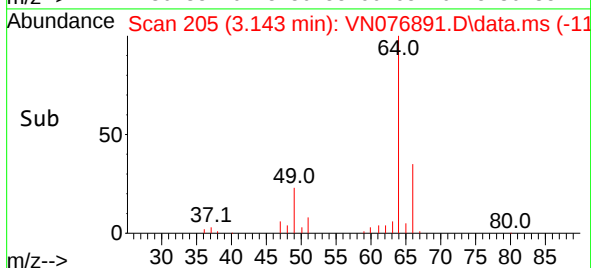
Reviewed By :John Carlone 03/10/2023
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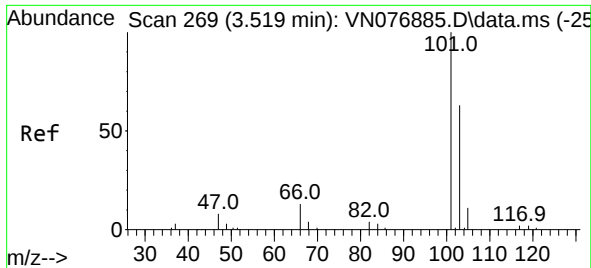


#6
Chloroethane
Concen: 19.161 ug/l
RT: 3.143 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



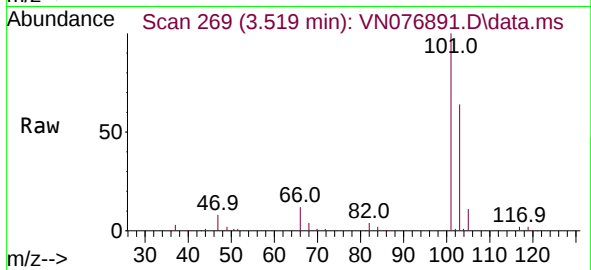
Tgt Ion: 64 Resp: 63265
Ion Ratio Lower Upper
64 100
66 34.8 23.8 35.6





#7
Trichlorofluoromethane
Concen: 20.173 ug/l
RT: 3.519 min Scan# 269
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

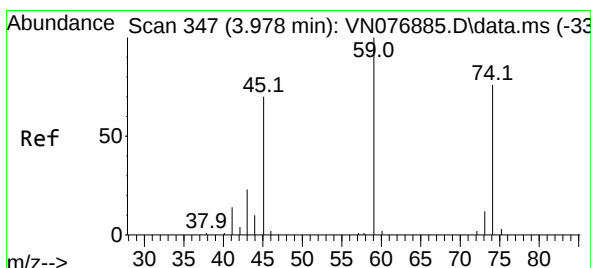
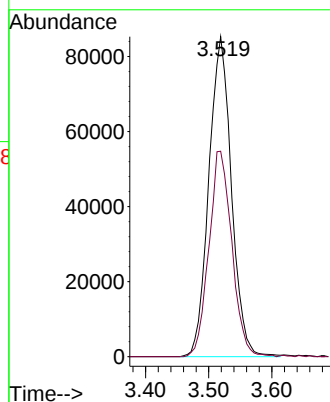
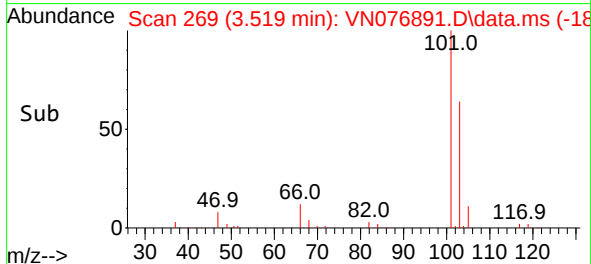
Instrument :
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ClientSampleId :
VSTDCCC020



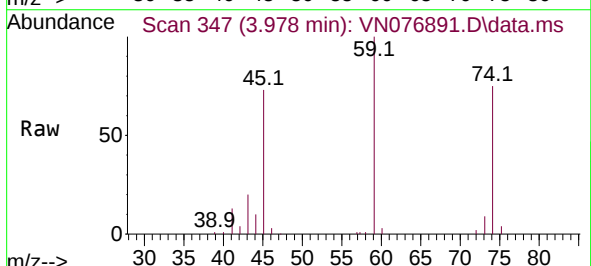
Tgt Ion:101 Resp: 211752
Ion Ratio Lower Upper
101 100
103 64.2 50.2 75.2

Manual Integrations
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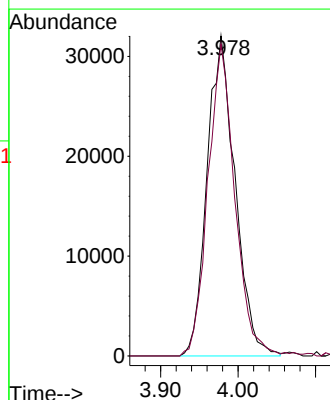
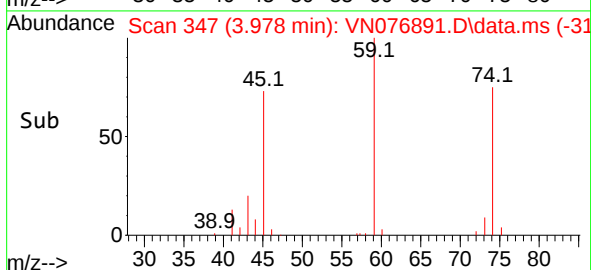
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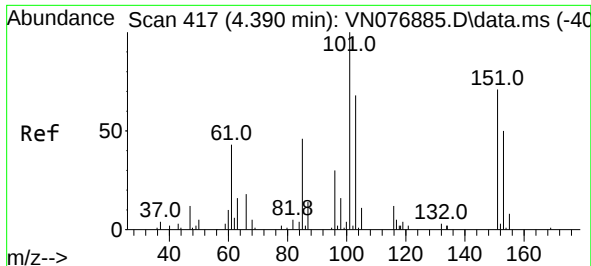


#8
Diethyl Ether
Concen: 20.490 ug/l
RT: 3.978 min Scan# 347
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion: 74 Resp: 80657
Ion Ratio Lower Upper
74 100
45 92.9 21.4 193.0





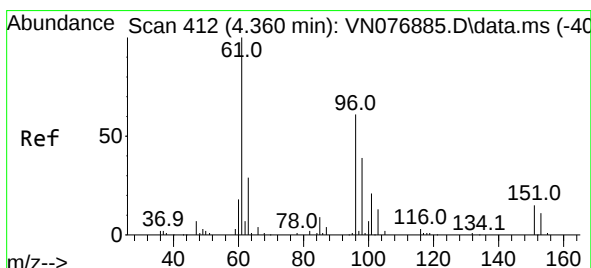
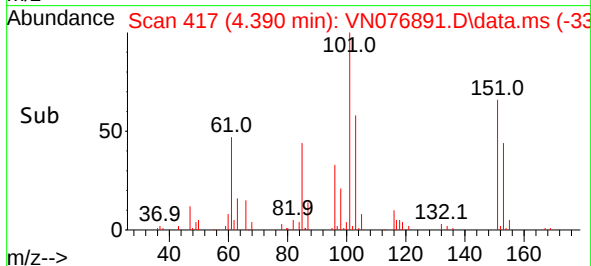
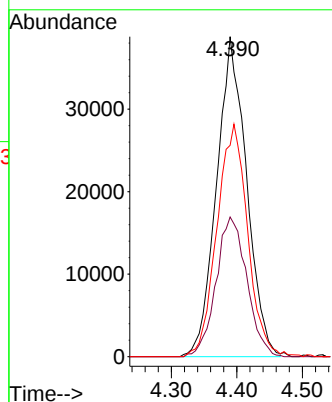
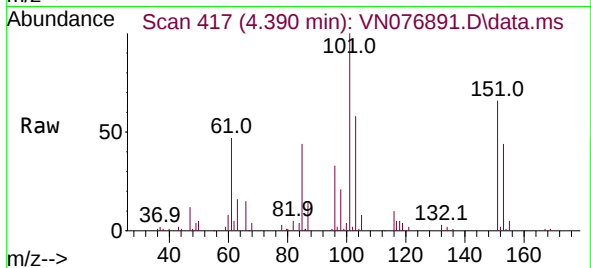
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.690 ug/l
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 12303
Ion Ratio Lower Upper
101 100
85 44.8 0.0 95.2
151 74.4 0.0 142.2

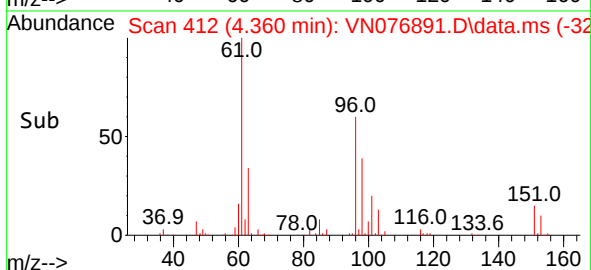
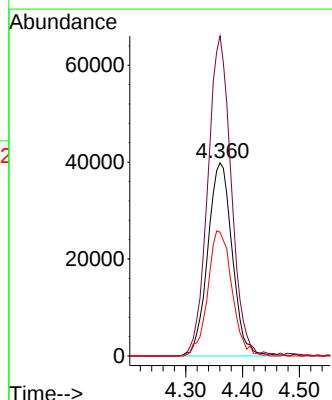
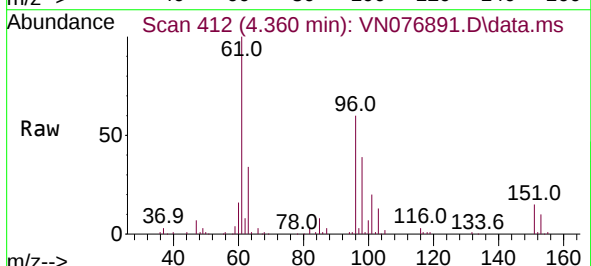
Manual Integrations
APPROVED

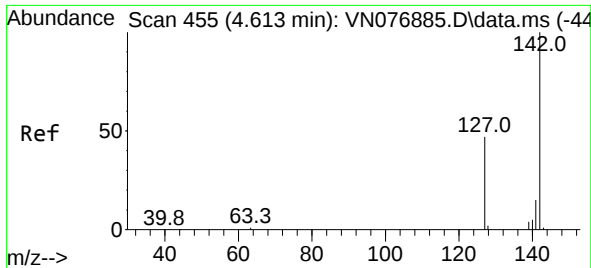
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#10
1,1-Dichloroethene
Concen: 20.602 ug/l
RT: 4.360 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

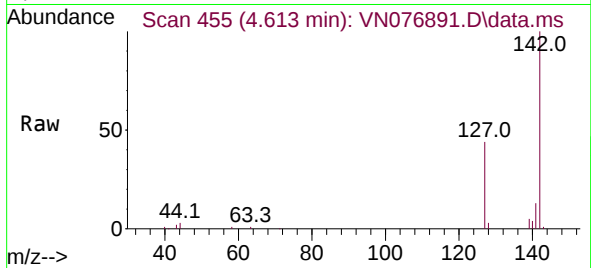
Tgt Ion: 96 Resp: 118909
Ion Ratio Lower Upper
96 100
61 165.7 137.1 205.7
98 64.2 53.2 79.8





#11
Methyl Iodide
Concen: 19.678 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

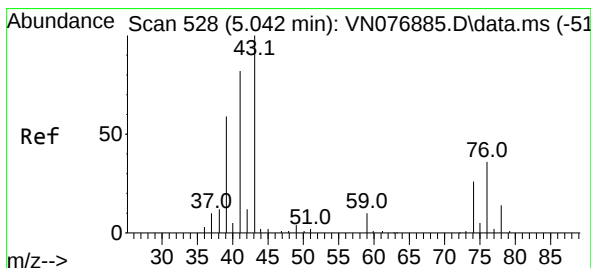
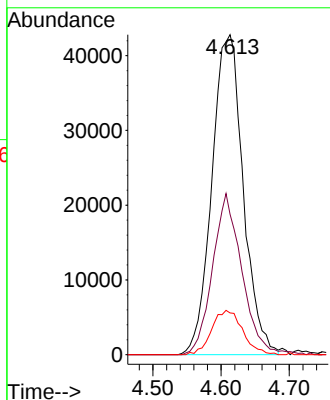
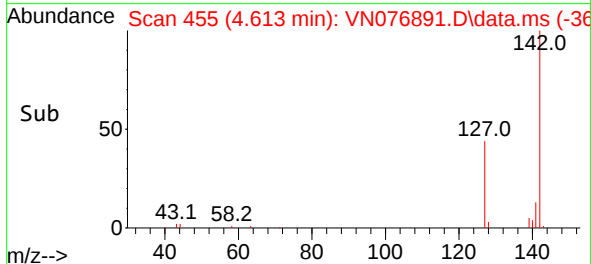
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 136858
Ion Ratio Lower Upper
142 100
127 43.7 25.0 75.0
141 13.1 8.0 24.0

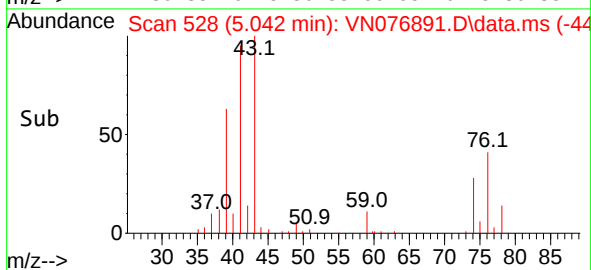
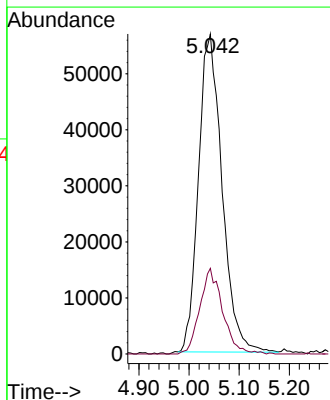
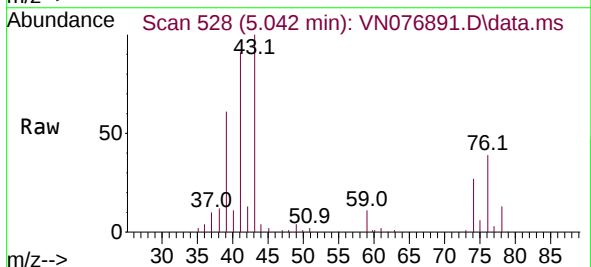
Manual Integrations
APPROVED

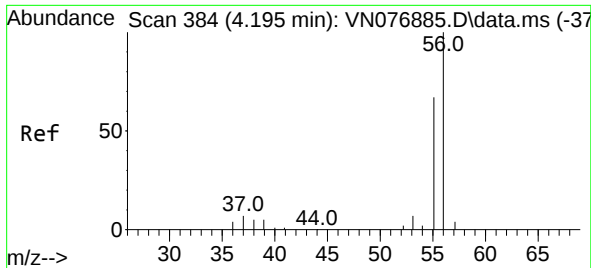
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#12
Methyl Acetate
Concen: 19.536 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.005 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 43 Resp: 185461
Ion Ratio Lower Upper
43 100
74 26.9 19.0 28.4





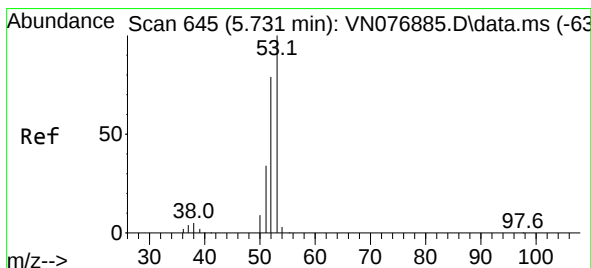
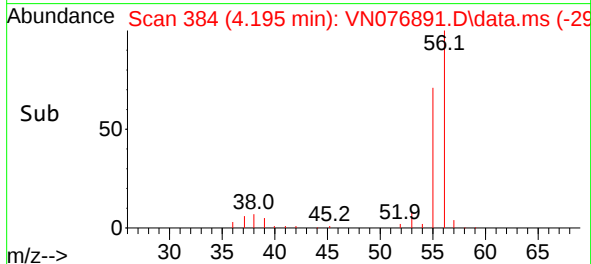
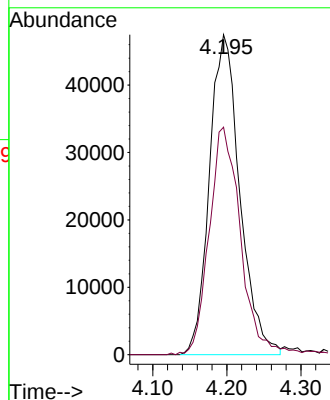
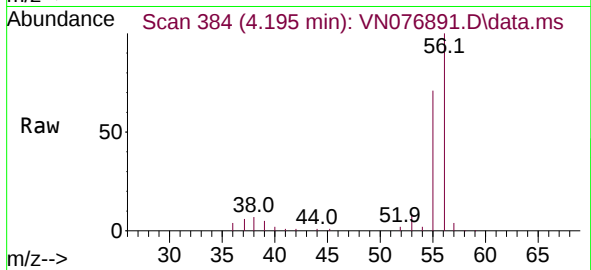
#13
Acrolein
Concen: 96.446 ug/l
RT: 4.195 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 135350
Ion Ratio Lower Upper
56 100
55 70.7 55.0 82.4

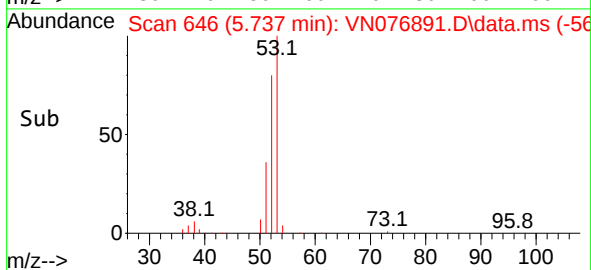
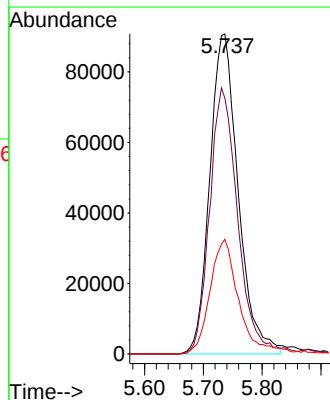
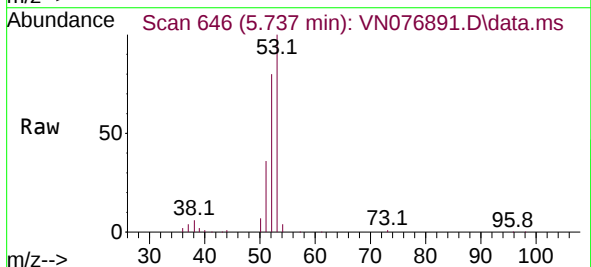
Manual Integrations
APPROVED

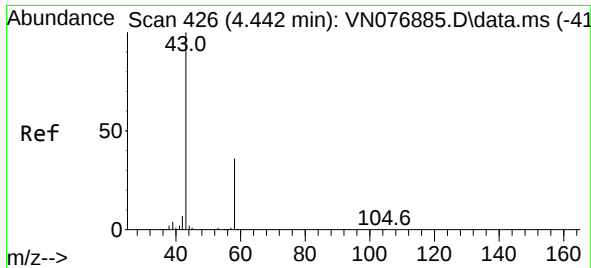
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#14
Acrylonitrile
Concen: 97.432 ug/l
RT: 5.737 min Scan# 646
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 53 Resp: 304695
Ion Ratio Lower Upper
53 100
52 80.6 41.5 124.6
51 36.2 17.6 52.8





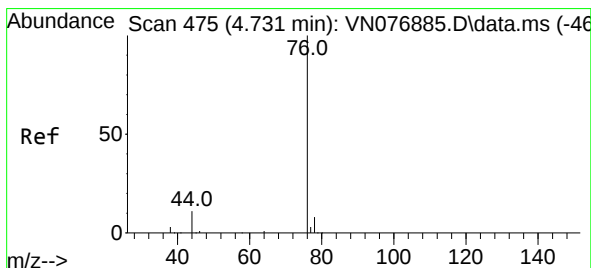
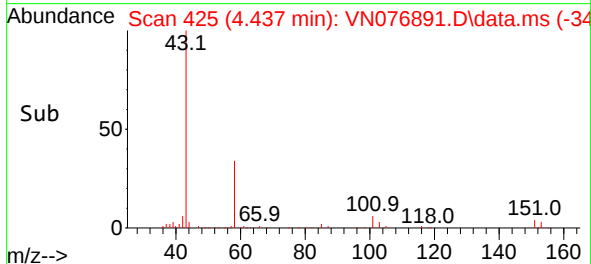
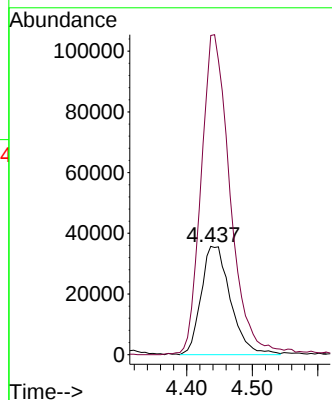
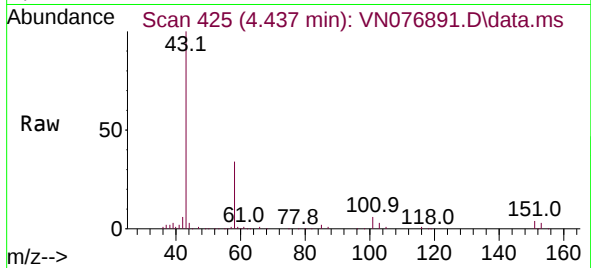
#15
Acetone
Concen: 130.557 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 11111
Ion Ratio Lower Upper
58 100
43 293.0 255.4 383.0

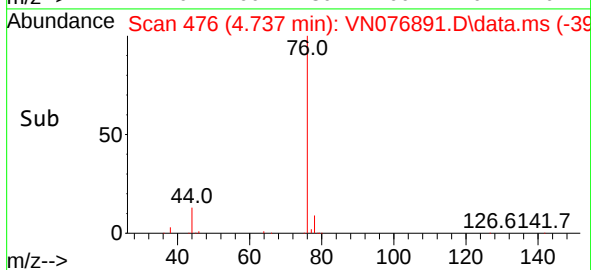
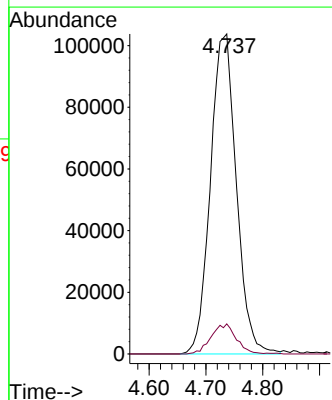
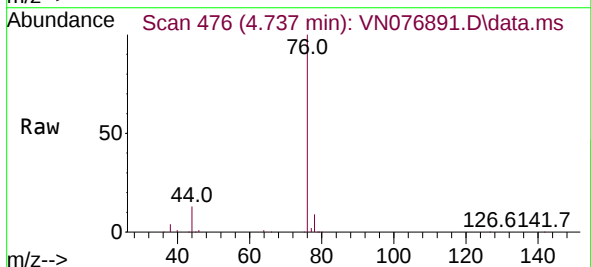
Manual Integrations
APPROVED

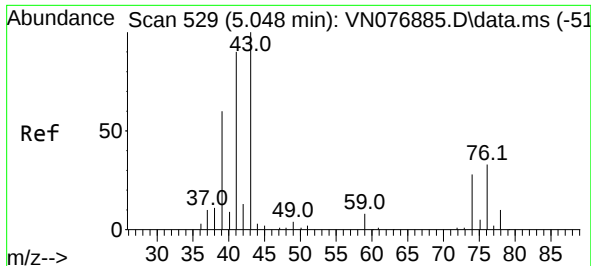
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#16
Carbon Disulfide
Concen: 20.540 ug/l
RT: 4.737 min Scan# 476
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 76 Resp: 328731
Ion Ratio Lower Upper
76 100
78 9.4 6.6 9.8





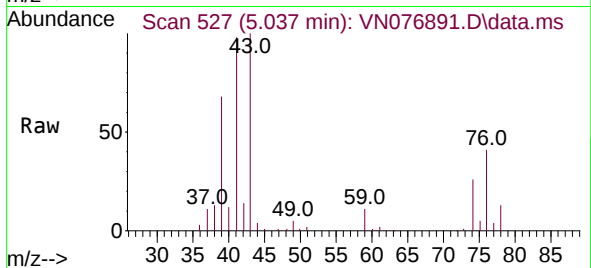
#17
 Allyl chloride
 Concen: 20.156 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN076891.D
 Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



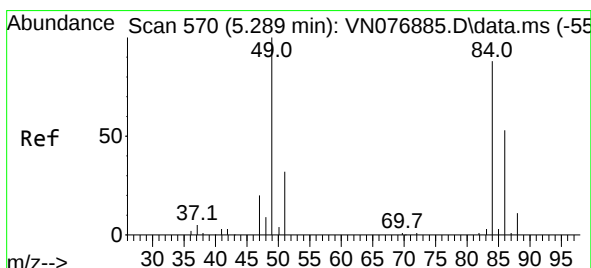
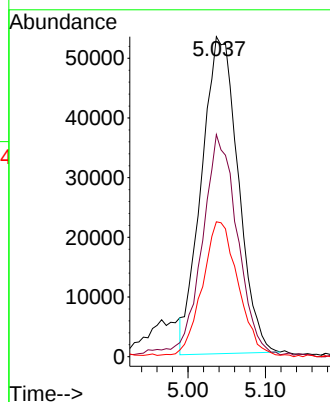
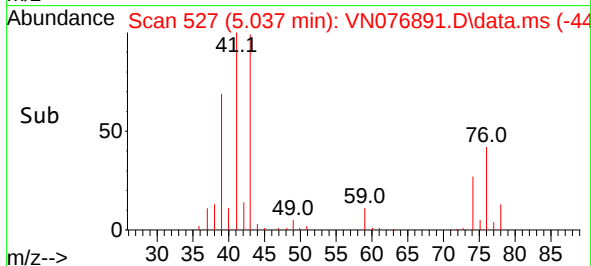
Tgt Ion: 41 Resp: 17449
 Ion Ratio Lower Upper
 41 100
 39 69.8 34.8 104.3
 76 42.4 17.5 52.5

Manual Integrations

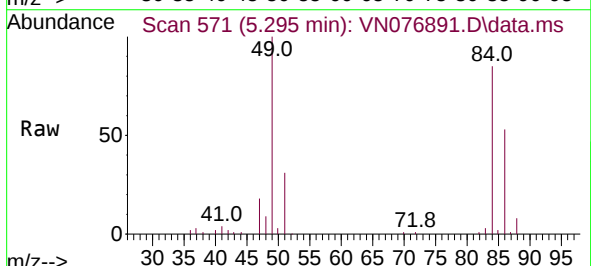
APPROVED

Reviewed By :John Carlone 03/10/2023

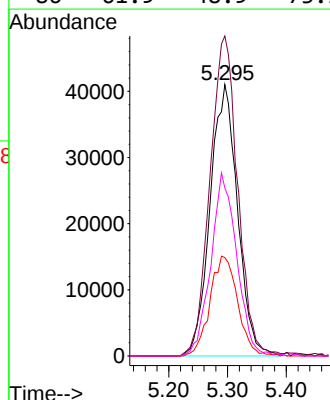
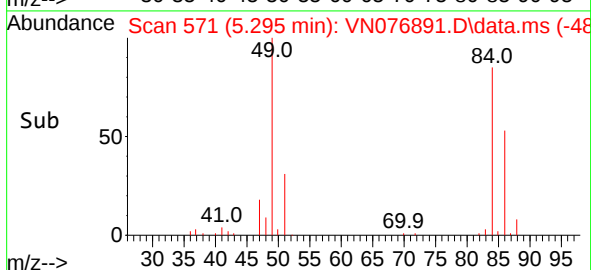
Supervised By :Mahesh Dadoda 03/10/2023

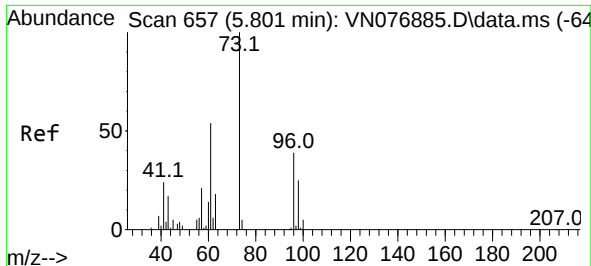


#18
 Methylene Chloride
 Concen: 19.726 ug/l
 RT: 5.295 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VN076891.D
 Acq: 09 Mar 2023 09:51



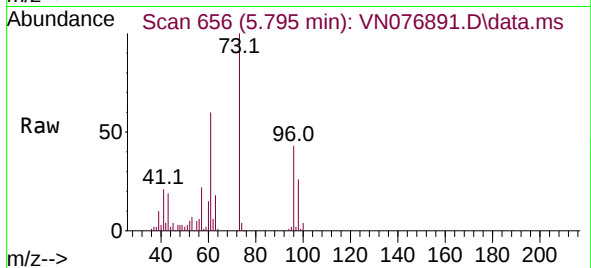
Tgt Ion: 84 Resp: 133177
 Ion Ratio Lower Upper
 84 100
 49 117.9 113.8 170.6
 51 36.3 34.2 51.4
 86 61.9 48.9 73.3





#19
trans-1,2-Dichloroethene
Concen: 20.361 ug/l
RT: 5.795 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

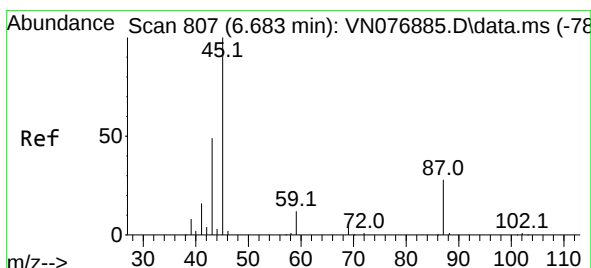
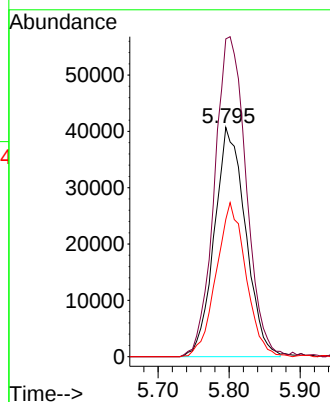
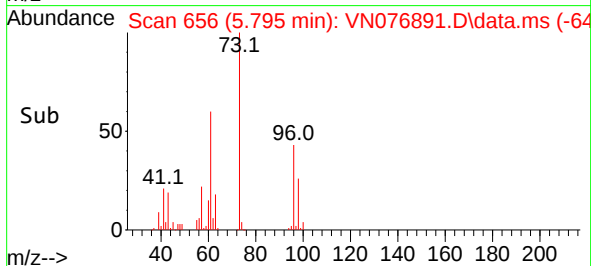
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 123829
Ion Ratio Lower Upper
96 100
61 138.7 111.0 166.4
98 59.9 55.0 82.6

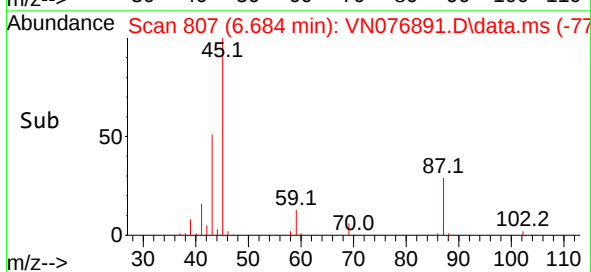
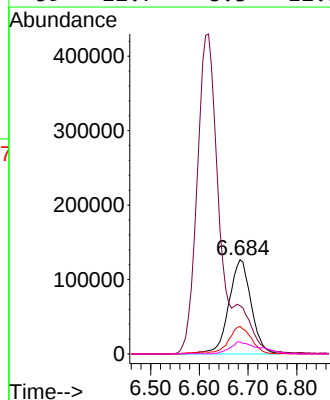
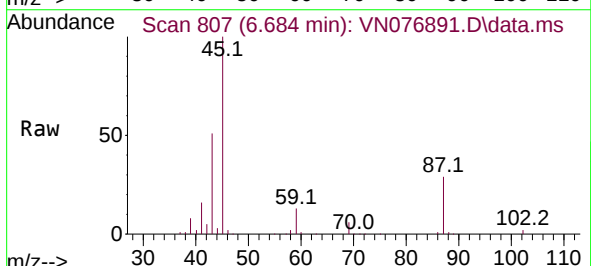
Manual Integrations
APPROVED

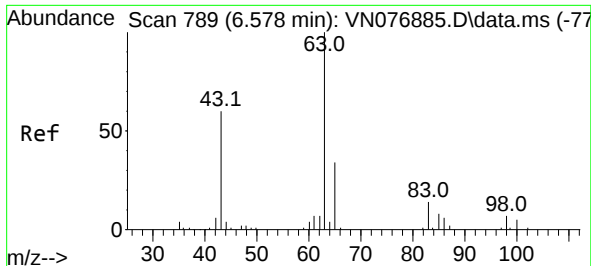
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#20
Diisopropyl ether
Concen: 20.600 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.005 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 45 Resp: 402311
Ion Ratio Lower Upper
45 100
43 48.6 38.6 58.0
87 28.8 20.1 30.1
59 12.7 8.3 12.5





#21

1,1-Dichloroethane

Concen: 20.220 ug/l

RT: 6.584 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 23499

Ion Ratio Lower Upper

63 100

98 6.2 3.6 10.9

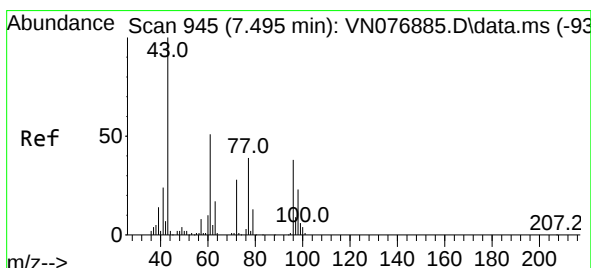
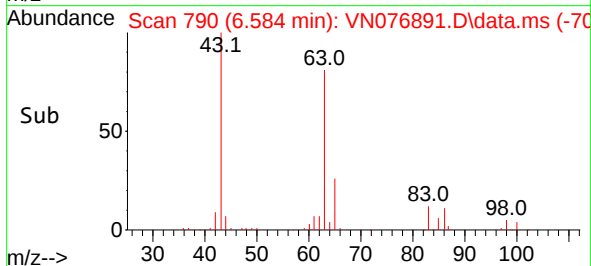
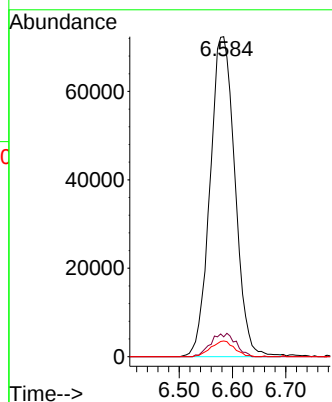
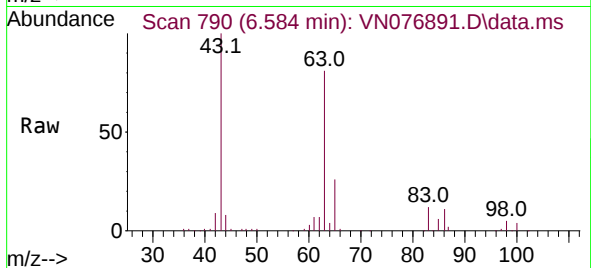
100 4.9 2.6 7.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#22

cis-1,2-Dichloroethene

Concen: 20.812 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

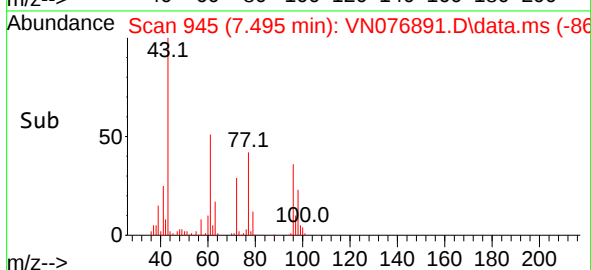
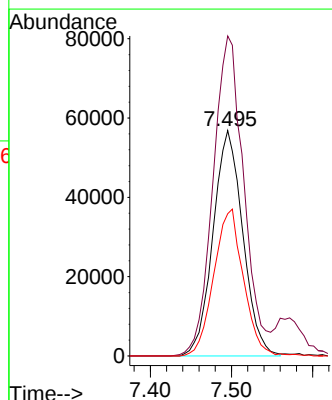
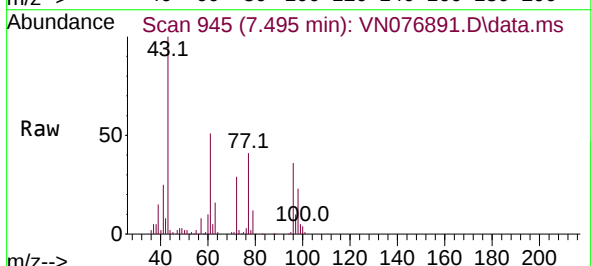
Tgt Ion: 96 Resp: 145050

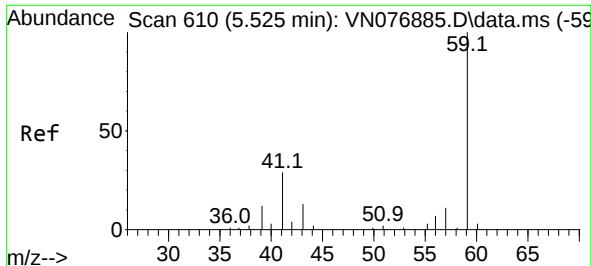
Ion Ratio Lower Upper

96 100

61 146.8 121.0 181.4

98 64.4 50.1 75.1





#23

tert-Butyl Alcohol

Concen: 110.130 ug/l m

RT: 5.537 min Scan# 610

Delta R.T. 0.006 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 100024

Ion Ratio Lower Upper

59 100

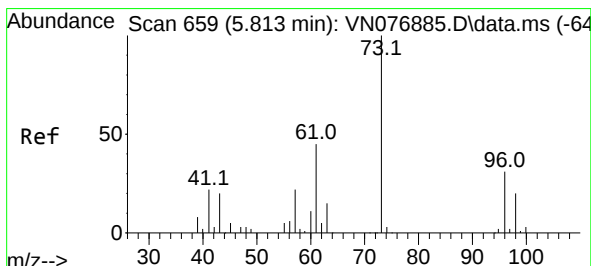
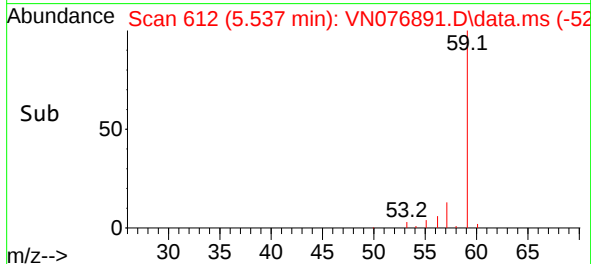
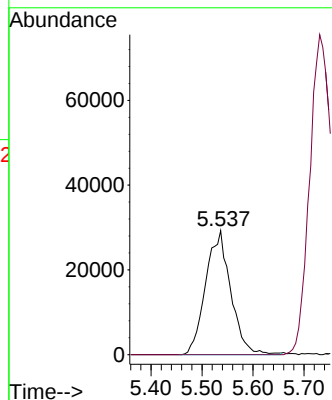
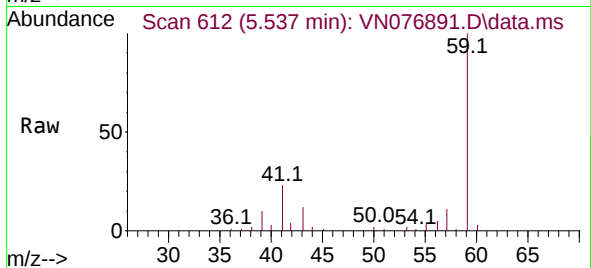
52 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#24

Methyl tert-Butyl Ether

Concen: 20.944 ug/l

RT: 5.807 min Scan# 658

Delta R.T. 0.000 min

Lab File: VN076891.D

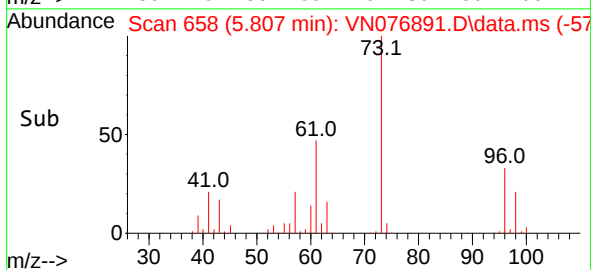
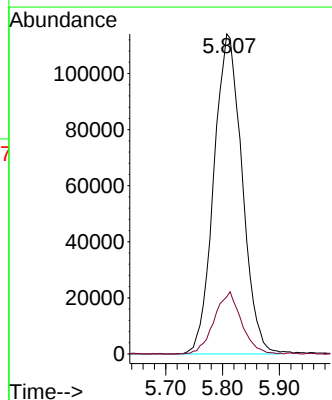
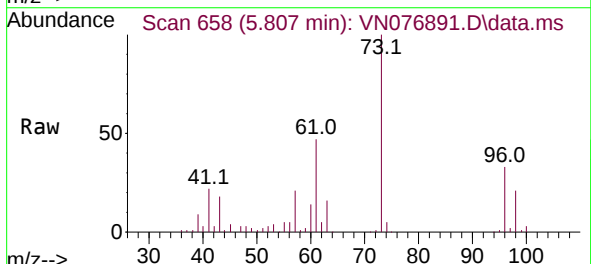
Acq: 09 Mar 2023 09:51

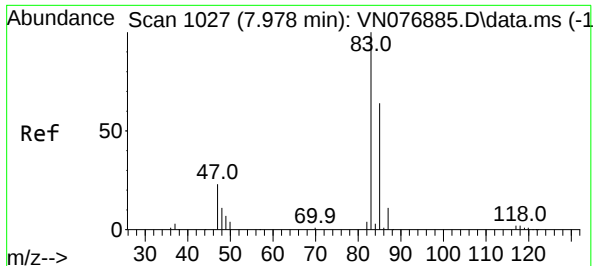
Tgt Ion: 73 Resp: 394132

Ion Ratio Lower Upper

73 100

43 18.7 17.8 26.6





#25

Chloroform

Concen: 19.868 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 23720

Ion Ratio Lower Upper

83 100

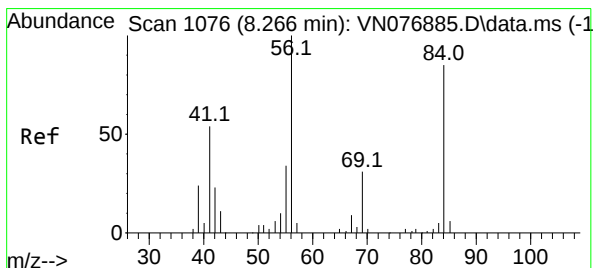
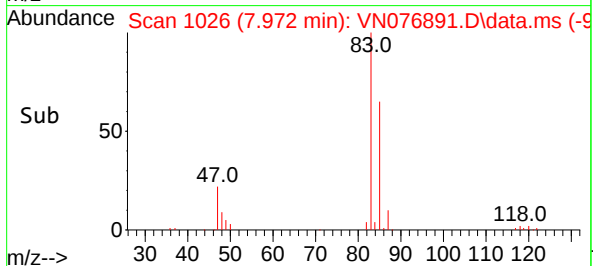
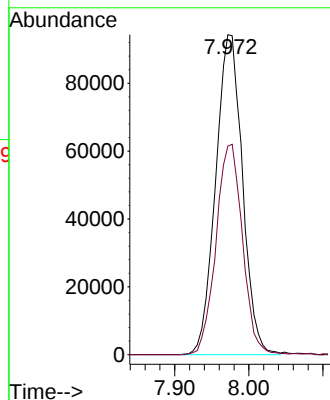
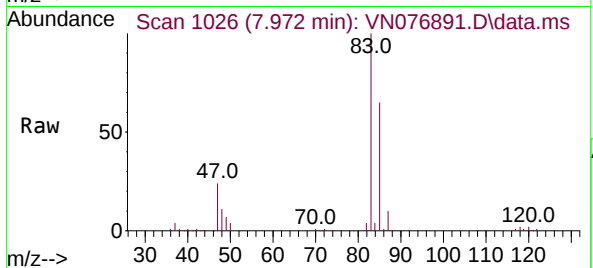
85 65.2 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#26

Cyclohexane

Concen: 19.781 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

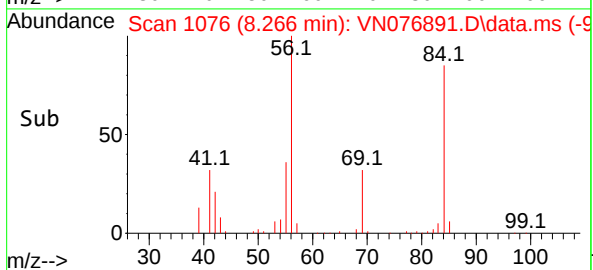
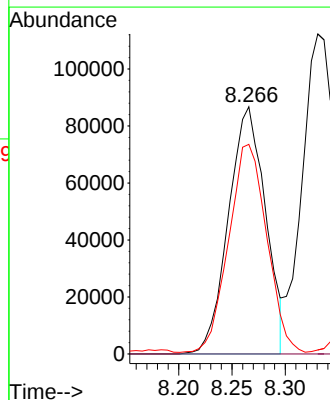
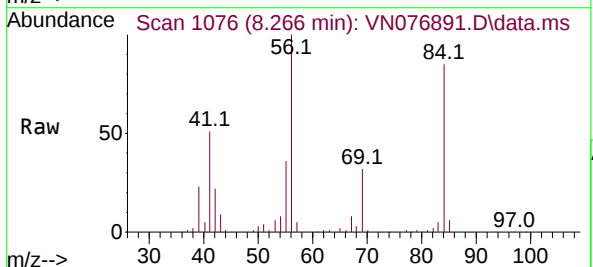
Tgt Ion: 56 Resp: 209895

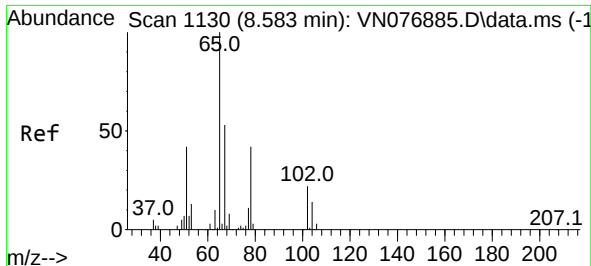
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.1 65.3 97.9





#27

1,2-Dichloroethane-d4

Concen: 31.397 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 15203

Ion Ratio Lower Upper

65 100

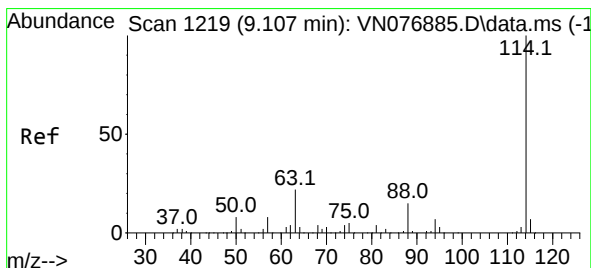
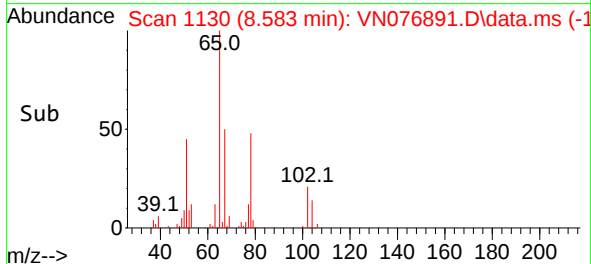
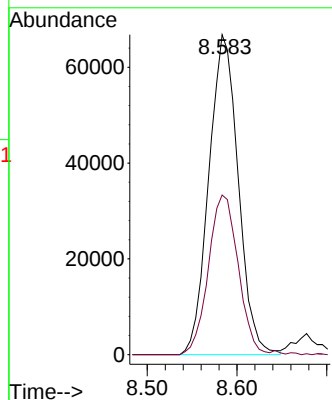
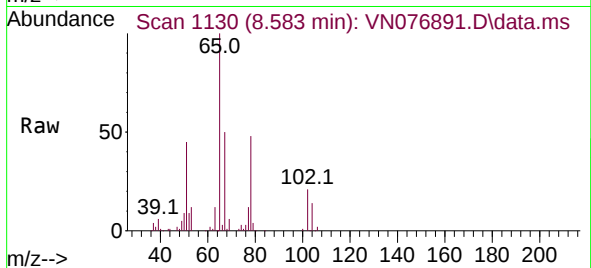
67 50.4 40.9 61.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

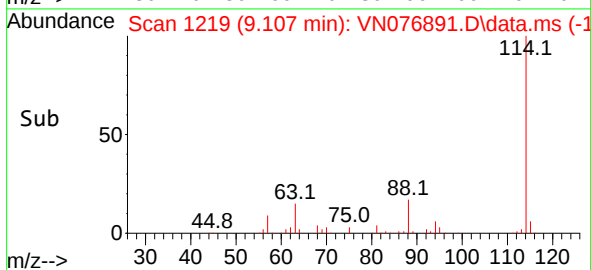
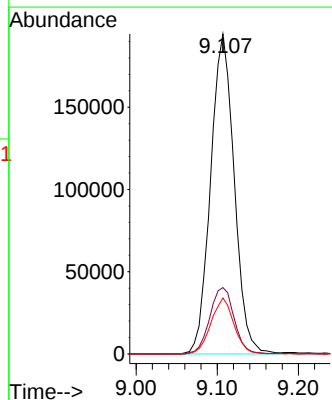
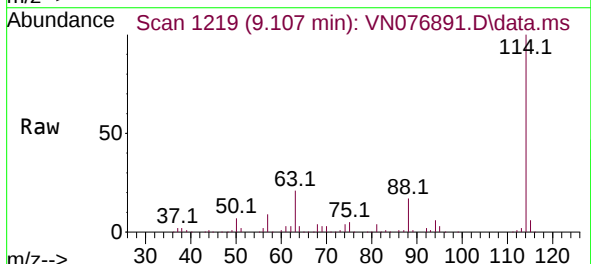
Tgt Ion:114 Resp: 393567

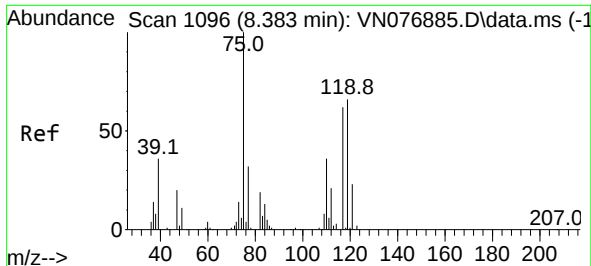
Ion Ratio Lower Upper

114 100

63 21.3 17.0 25.4

88 17.0 11.6 17.4





#29

1,1-Dichloropropene

Concen: 19.607 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 18176

Ion Ratio Lower Upper

75 100

110 33.6 0.0 67.2

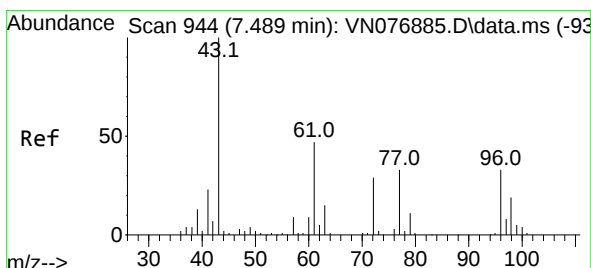
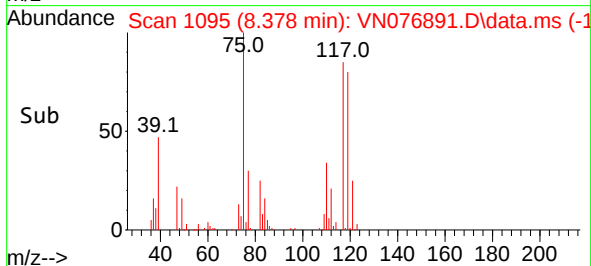
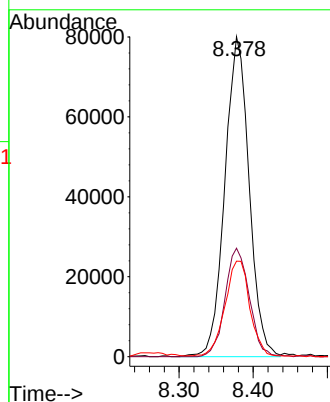
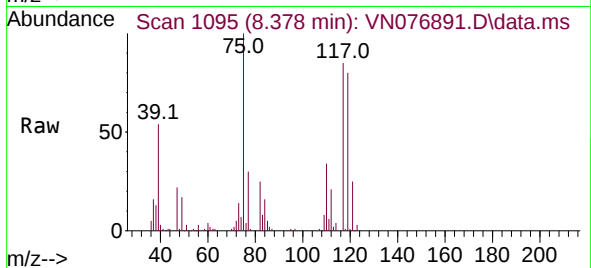
77 30.9 0.0 64.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#30

2-Butanone

Concen: 100.389 ug/l

RT: 7.489 min Scan# 944

Delta R.T. 0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

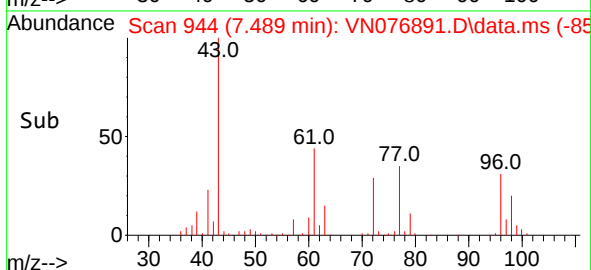
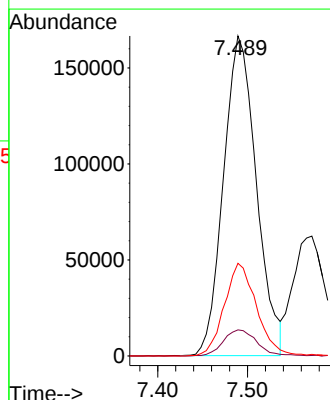
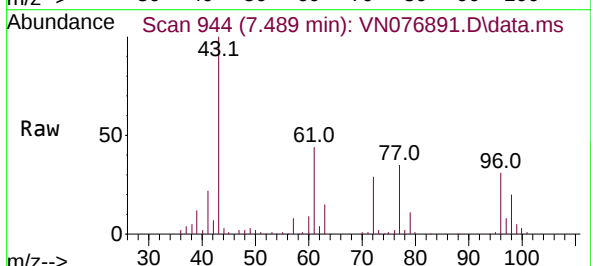
Tgt Ion: 43 Resp: 424577

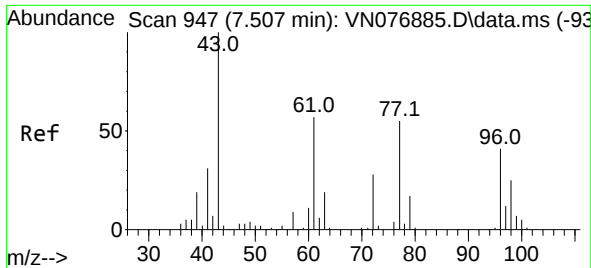
Ion Ratio Lower Upper

43 100

57 8.4 6.1 9.1

72 28.3 20.2 30.4





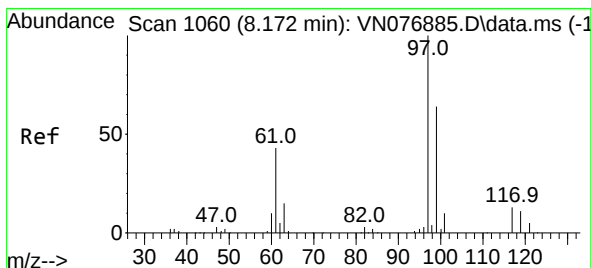
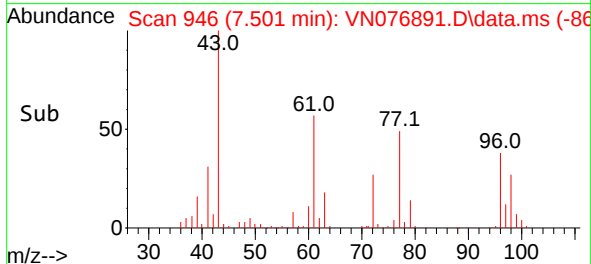
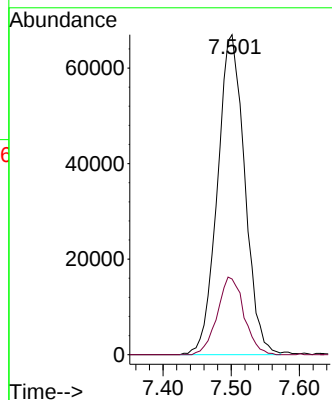
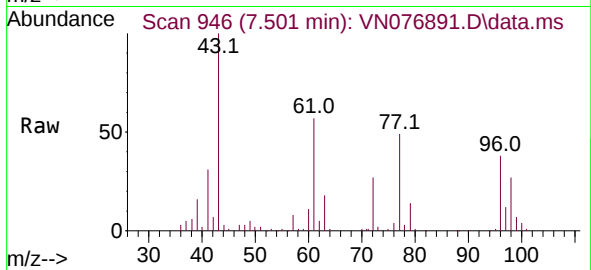
#31
2,2-Dichloropropane
Concen: 20.305 ug/l
RT: 7.501 min Scan# 947
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 186492
Ion Ratio Lower Upper
77 100
97 23.7 7.2 10.8

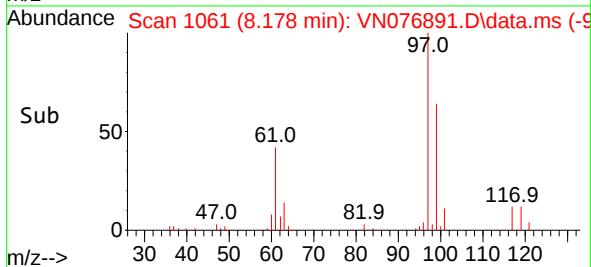
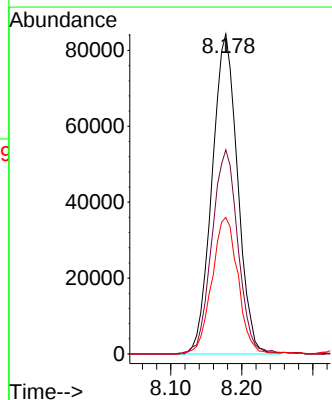
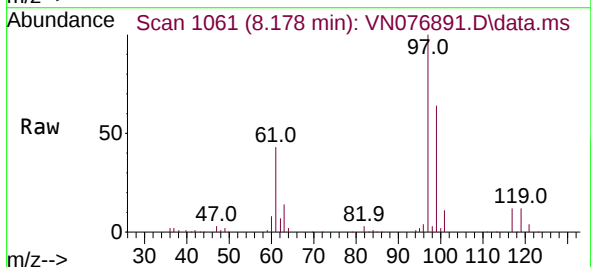
Manual Integrations
APPROVED

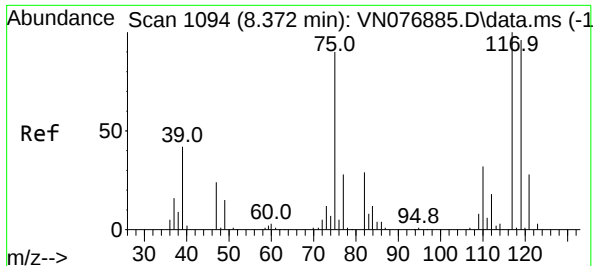
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#32
1,1,1-Trichloroethane
Concen: 19.461 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

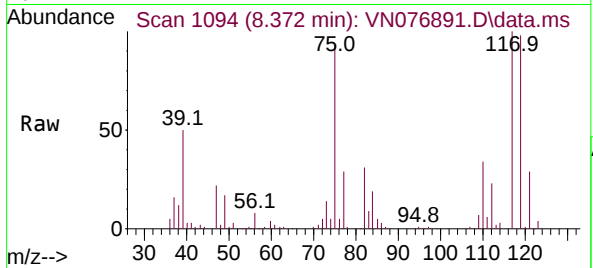
Tgt Ion: 97 Resp: 210427
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 43.5 39.3 58.9





#33
Carbon Tetrachloride
Concen: 19.281 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

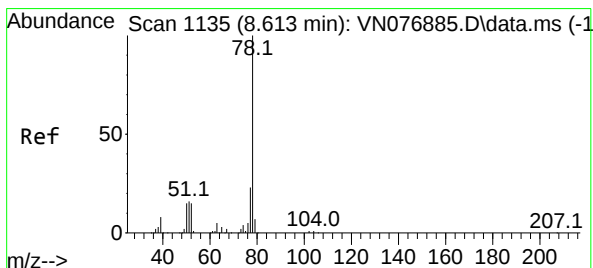
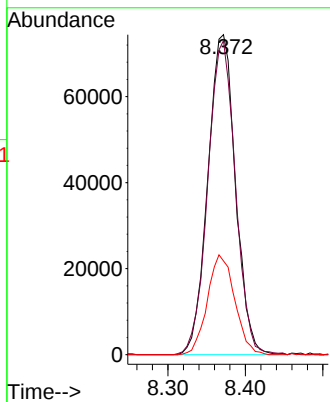
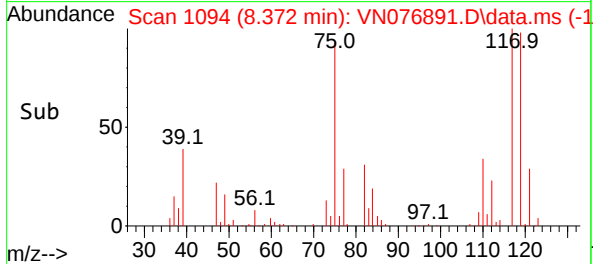
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



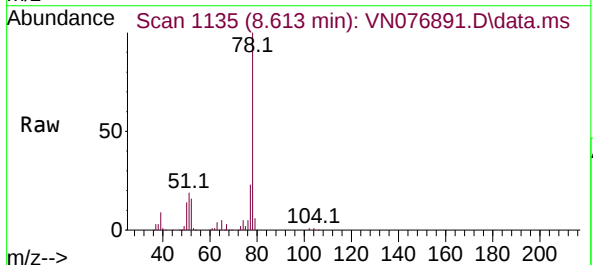
Tgt Ion: 117 Resp: 18434
Ion Ratio Lower Upper
117 100
119 97.8 79.8 119.8
121 29.3 23.4 35.0

Manual Integrations
APPROVED

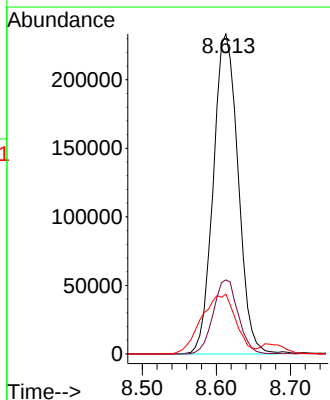
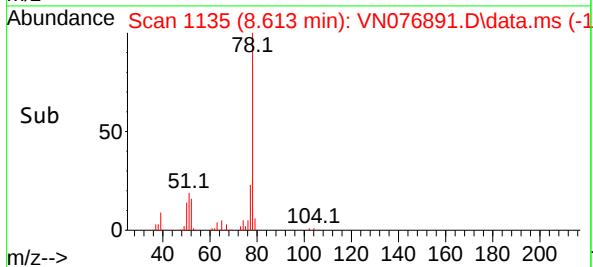
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

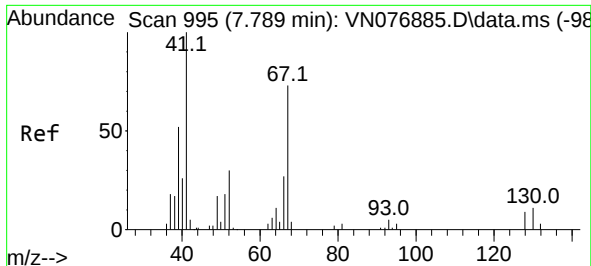


#34
Benzene
Concen: 19.111 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion: 78 Resp: 543116
Ion Ratio Lower Upper
78 100
77 23.2 17.4 26.2
51 18.0 13.8 20.6





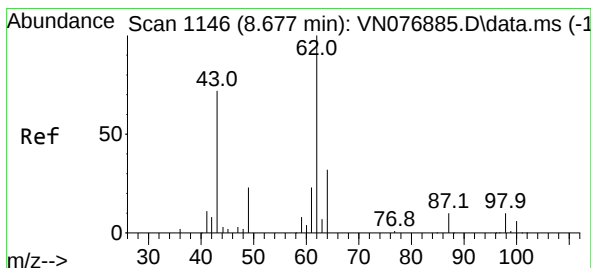
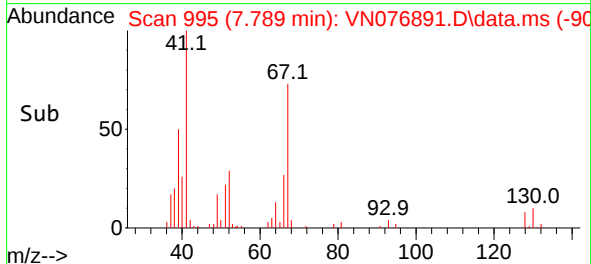
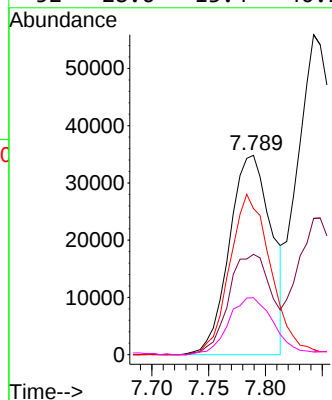
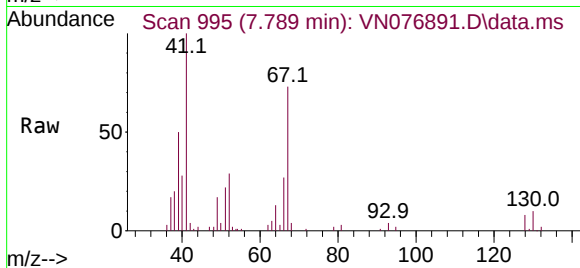
#35
Methacrylonitrile
Concen: 18.920 ug/l
RT: 7.789 min Scan# 995
Delta R.T. 0.005 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41	Resp: 9004
Ion Ratio	Lower Upper
41	100
39	50.3 26.6 79.7
67	73.3 32.3 96.9
52	28.6 13.4 40.1

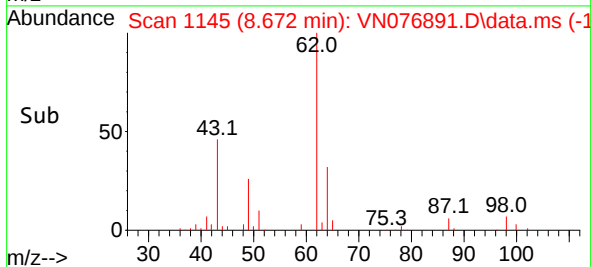
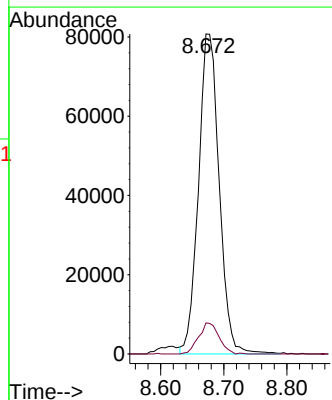
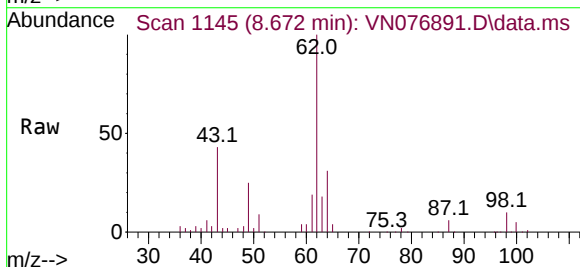
Manual Integrations
APPROVED

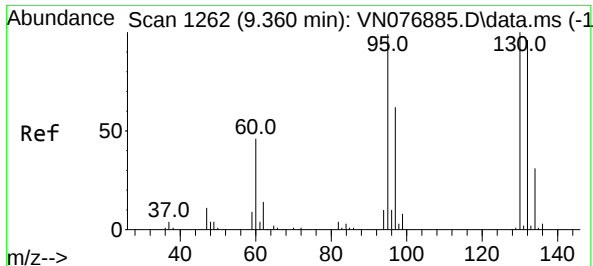
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#36
1,2-Dichloroethane
Concen: 19.353 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 62	Resp: 184353
Ion Ratio	Lower Upper
62	100
98	9.5 7.4 11.0





#37

Trichloroethene

Concen: 19.336 ug/l

RT: 9.360 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 135430

Ion Ratio Lower Upper

130 100

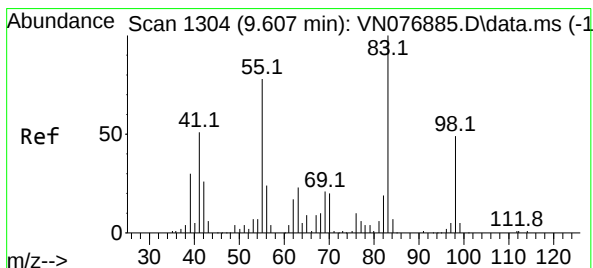
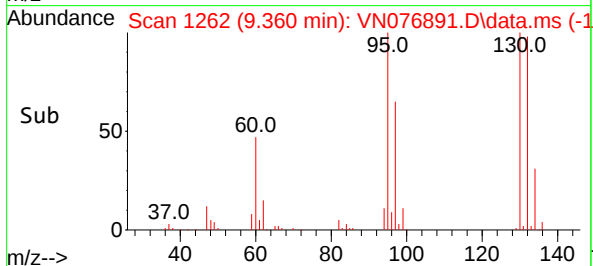
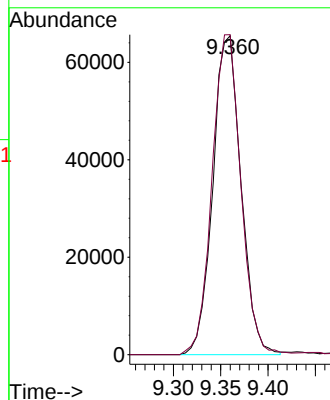
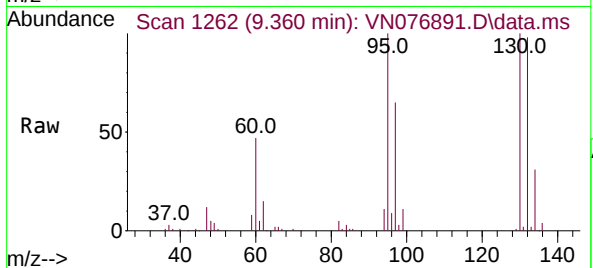
95 100.4 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#38

Methylcyclohexane

Concen: 19.603 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

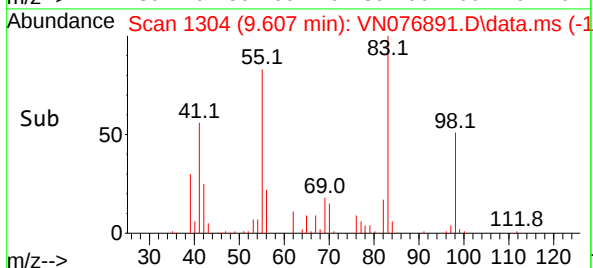
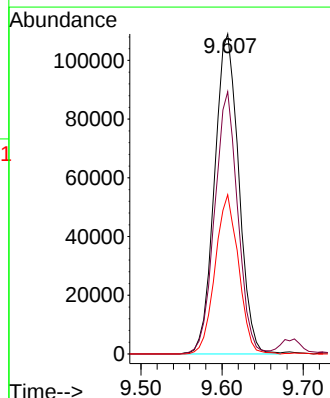
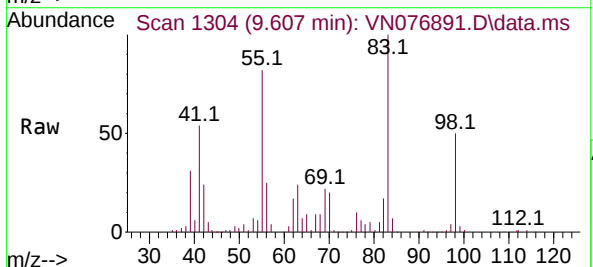
Tgt Ion: 83 Resp: 226196

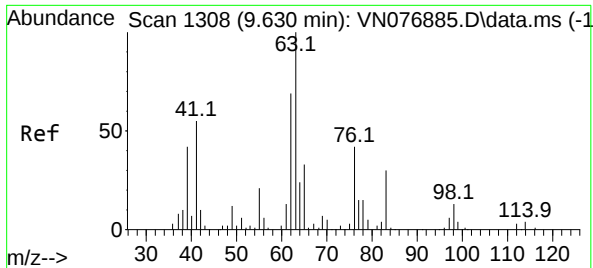
Ion Ratio Lower Upper

83 100

55 78.4 37.6 112.9

98 48.0 24.1 72.4





#39
1,2-Dichloropropane
Concen: 19.140 ug/l
RT: 9.624 min Scan# 1307
Delta R.T. -0.001 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

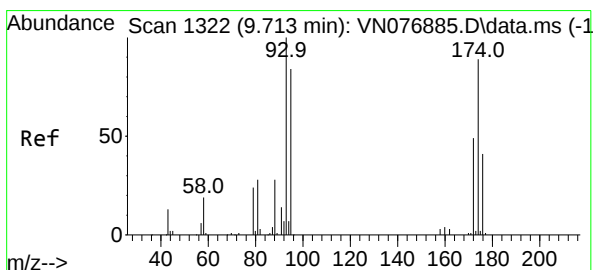
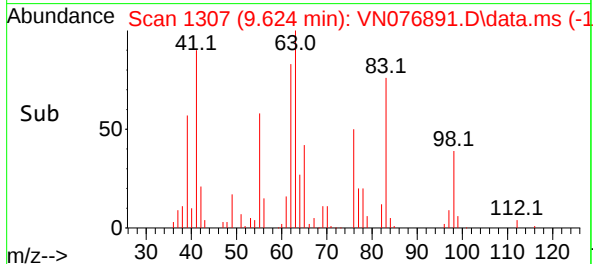
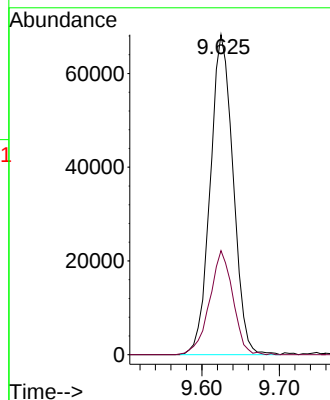
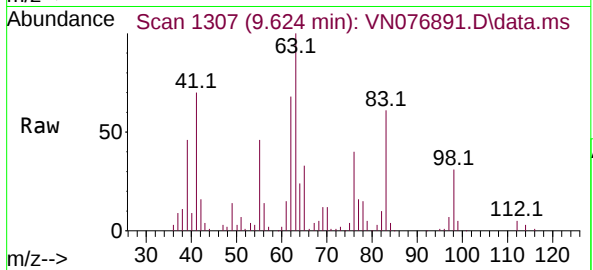
Tgt Ion: 63 Resp: 139759
Ion Ratio Lower Upper
63 100
65 32.5 27.2 40.8

Manual Integrations

APPROVED

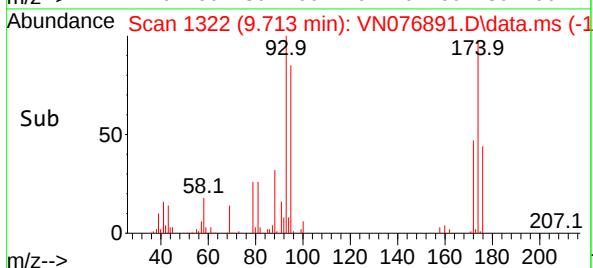
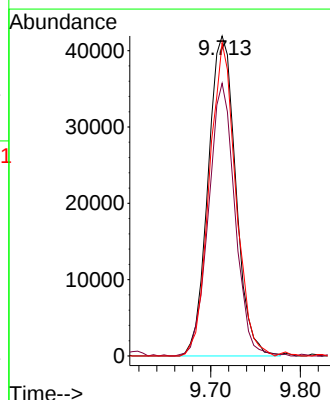
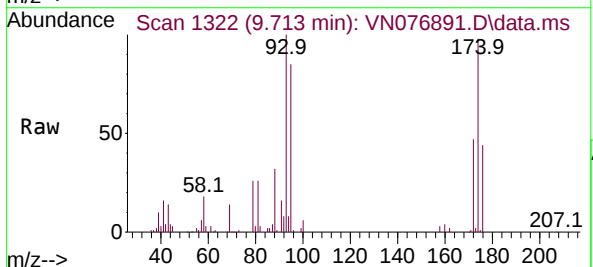
Reviewed By :John Carlone 03/10/2023

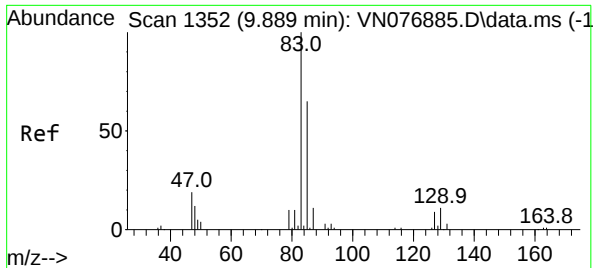
Supervised By :Mahesh Dadoda 03/10/2023



#40
Dibromomethane
Concen: 19.279 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

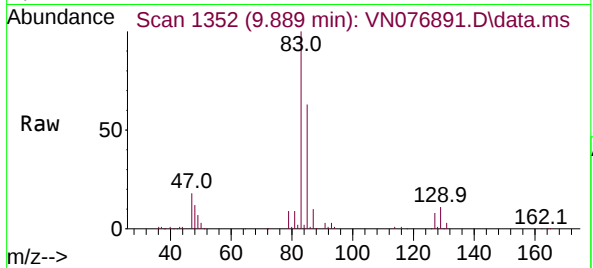
Tgt Ion: 93 Resp: 89685
Ion Ratio Lower Upper
93 100
95 81.0 0.0 158.0
174 93.3 0.0 171.2





#41
Bromodichloromethane
Concen: 19.393 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

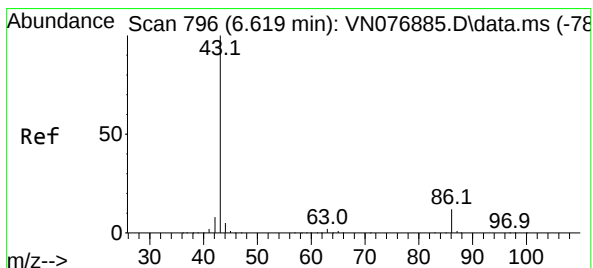
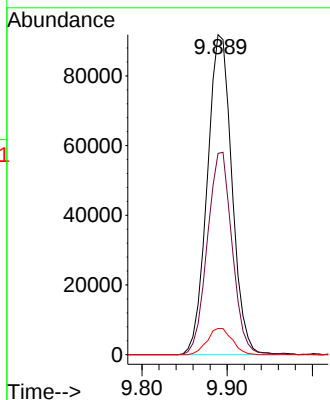
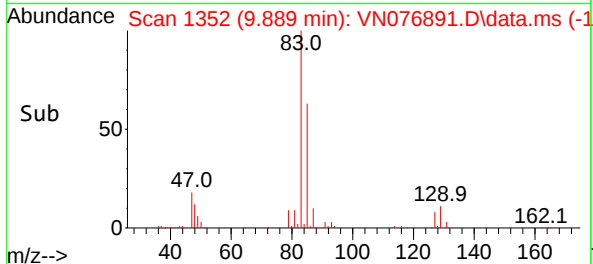
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



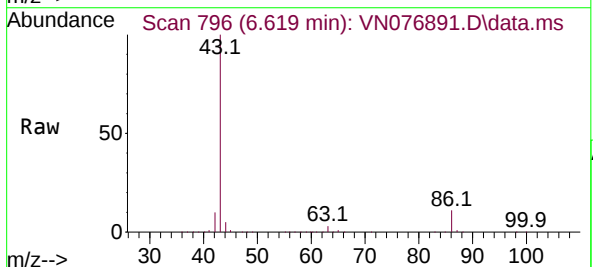
Tgt Ion: 83 Resp: 18488
Ion Ratio Lower Upper
83 100
85 62.9 51.0 76.4
127 8.2 6.2 9.2

Manual Integrations
APPROVED

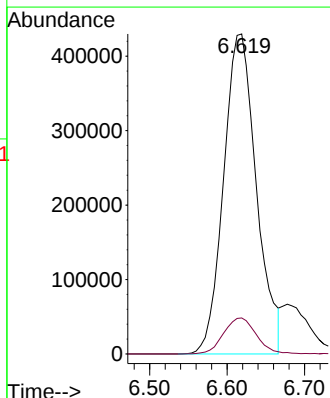
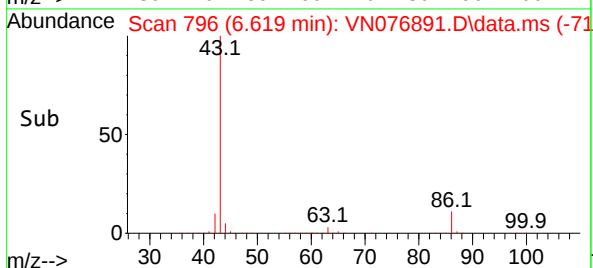
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

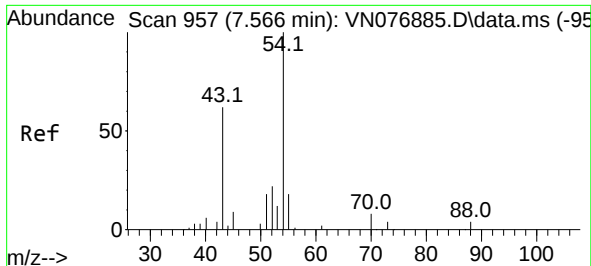


#42
Vinyl Acetate
Concen: 96.084 ug/l
RT: 6.619 min Scan# 796
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion: 43 Resp: 1266724
Ion Ratio Lower Upper
43 100
86 11.2 7.8 11.6





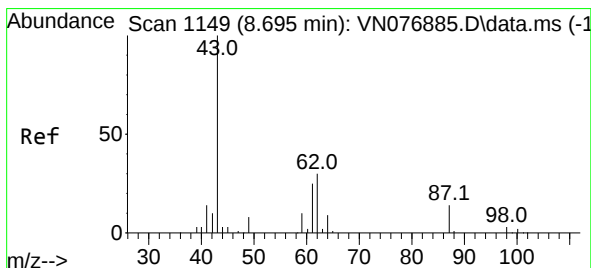
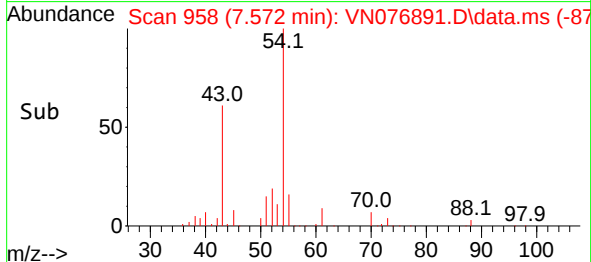
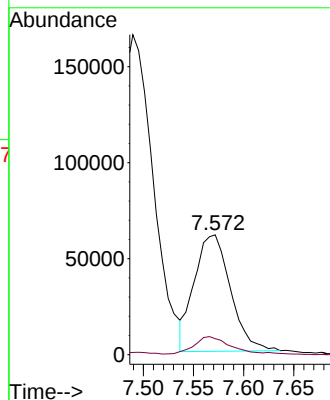
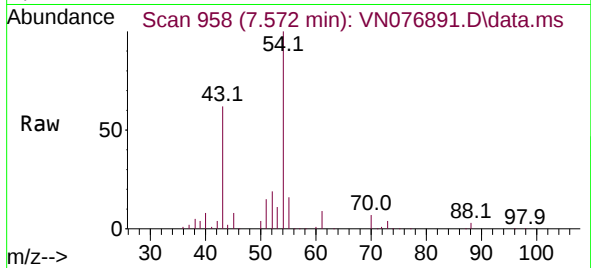
#43
Ethyl Acetate
Concen: 17.852 ug/l
RT: 7.572 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 15235
Ion Ratio Lower Upper
43 100
45 14.3 11.2 16.8

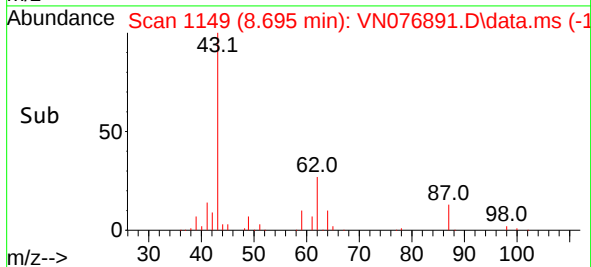
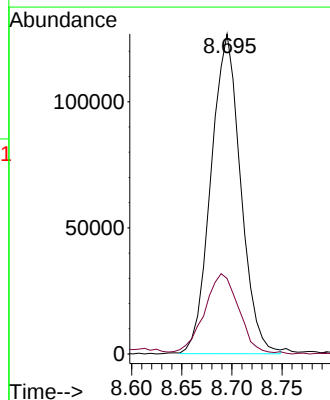
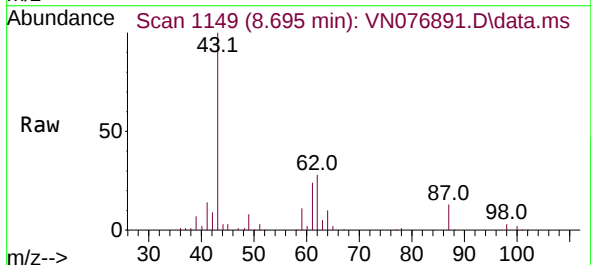
Manual Integrations
APPROVED

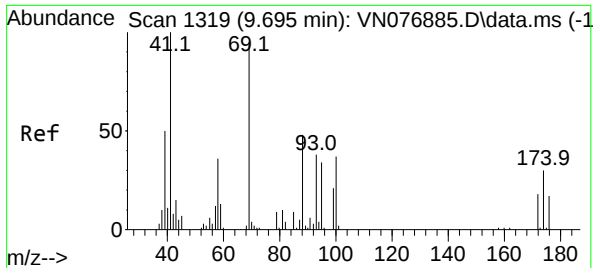
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#44
Isopropyl Acetate
Concen: 18.874 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

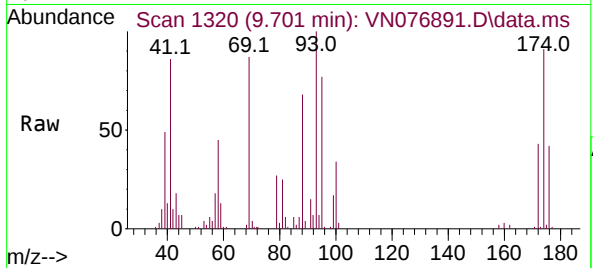
Tgt Ion: 43 Resp: 261102
Ion Ratio Lower Upper
43 100
61 29.2 19.5 29.3





#45
1,4-Dioxane
Concen: 399.746 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

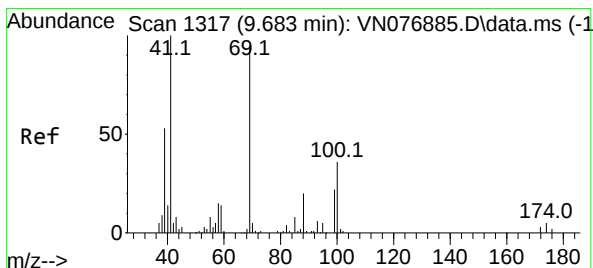
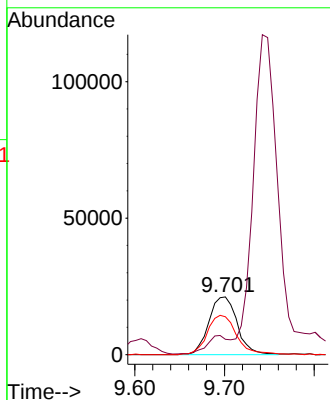
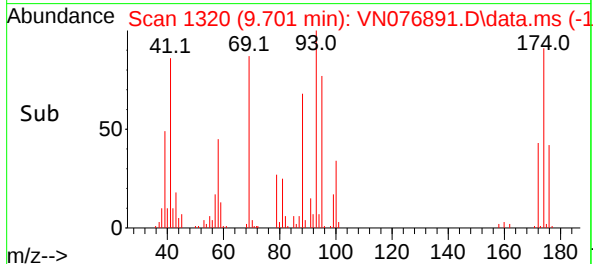
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



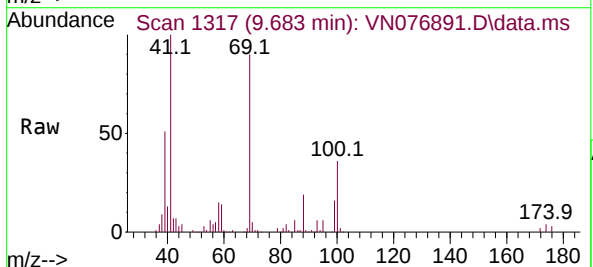
Tgt Ion: 88 Resp: 4652
Ion Ratio Lower Upper
88 100
43 24.2 26.0 39.0
58 70.6 54.3 81.5

Manual Integrations
APPROVED

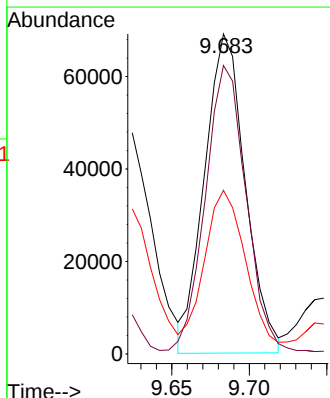
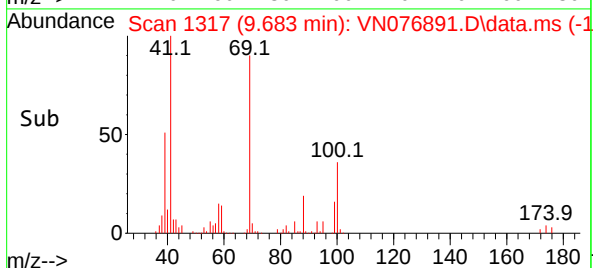
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

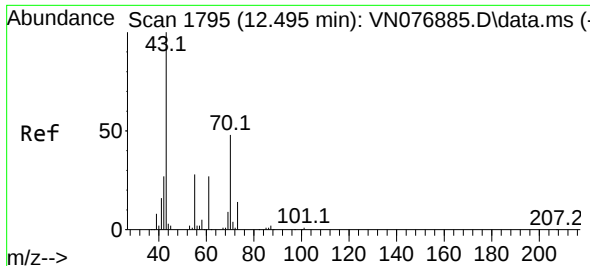


#46
Methyl methacrylate
Concen: 18.759 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



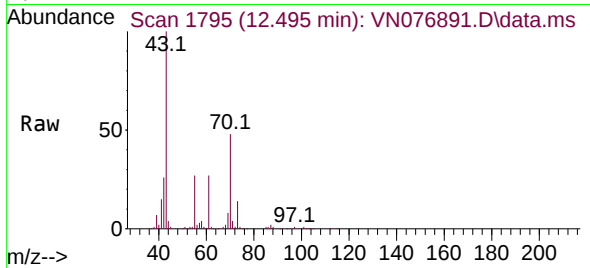
Tgt Ion: 41 Resp: 126381
Ion Ratio Lower Upper
41 100
69 91.5 40.6 121.7
39 50.0 30.5 91.5





#47
n-amy1 Acetate
Concen: 19.607 ug/l m
RT: 12.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

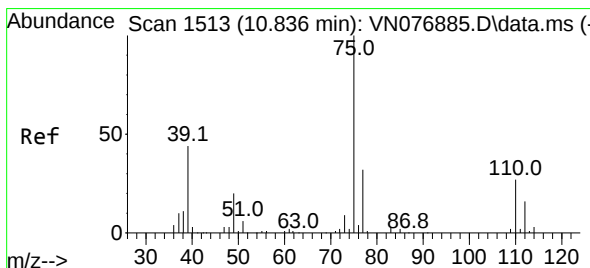
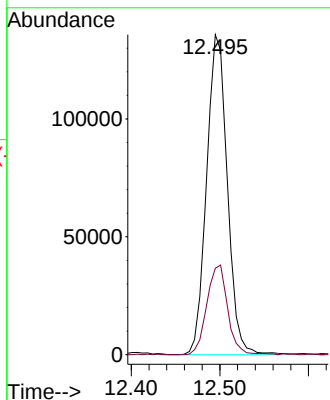
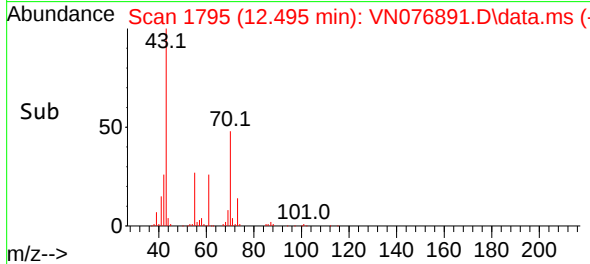
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 22074
Ion Ratio Lower Upper
43 100
55 0.1 18.3 27.5

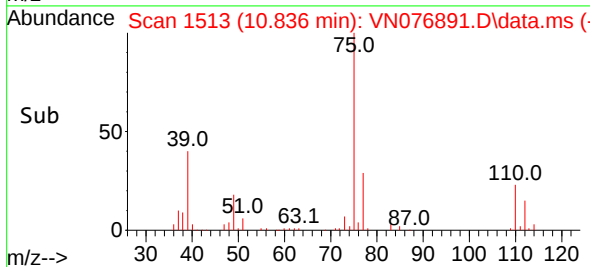
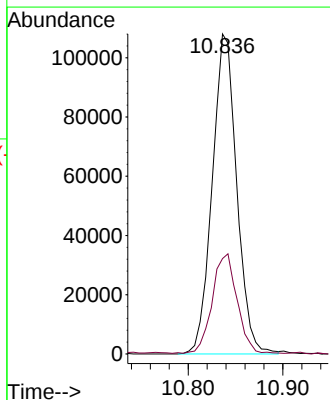
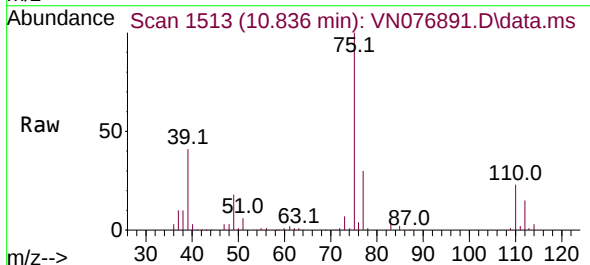
Manual Integrations
APPROVED

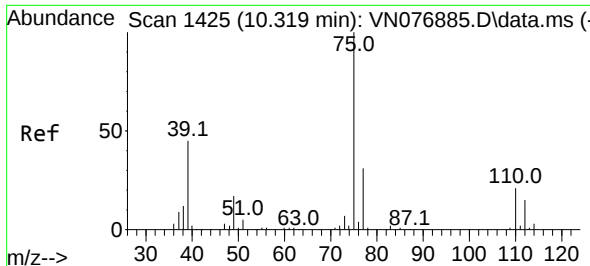
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#48
t-1,3-Dichloropropene
Concen: 20.346 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 75 Resp: 194284
Ion Ratio Lower Upper
75 100
77 29.5 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 19.708 ug/l

RT: 10.319 min Scan# 1425

Delta R.T. 0.006 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 213740

Ion Ratio Lower Upper

75 100

77 33.4 27.5 41.3

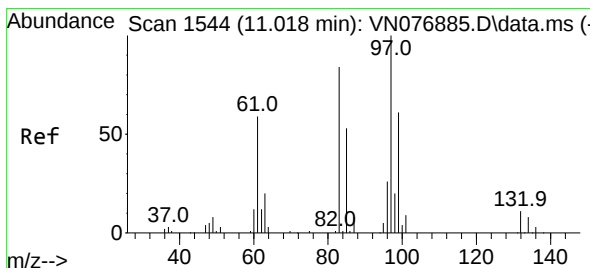
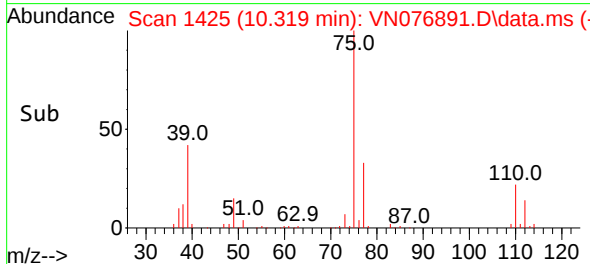
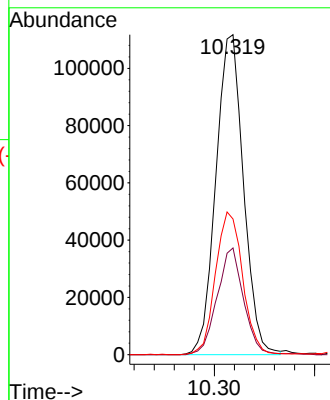
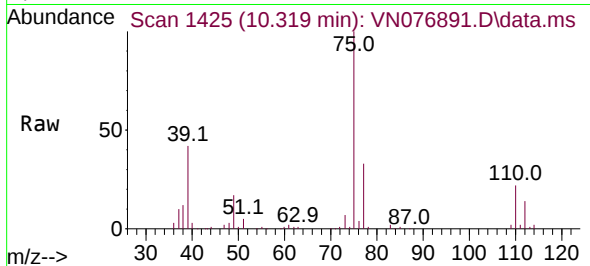
39 42.4 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#50

1,1,2-Trichloroethane

Concen: 18.966 ug/l

RT: 11.019 min Scan# 1544

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Tgt Ion: 97 Resp: 129254

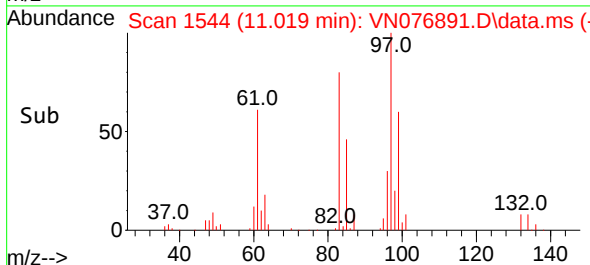
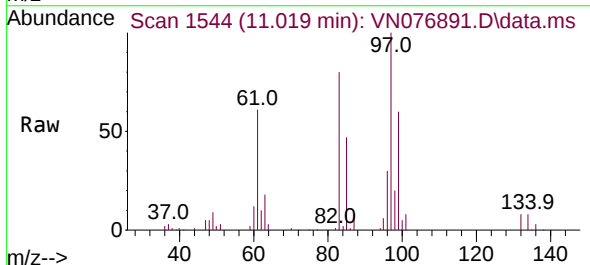
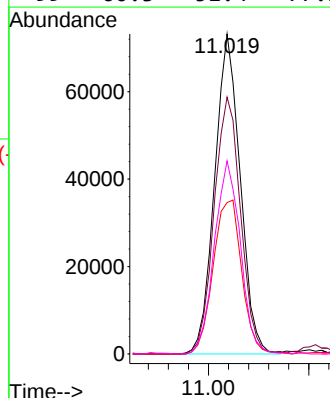
Ion Ratio Lower Upper

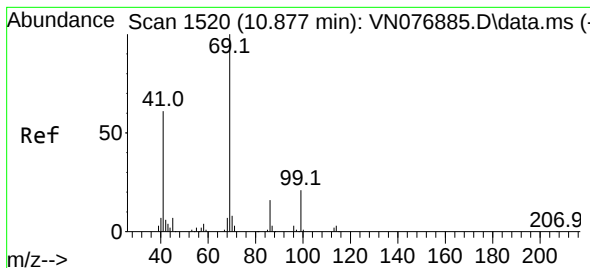
97 100

83 80.3 71.0 106.4

85 47.3 45.5 68.3

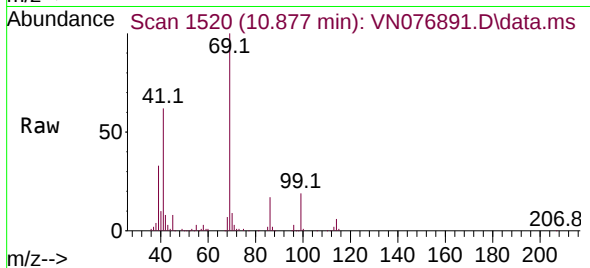
99 60.3 51.4 77.2





#51
Ethyl methacrylate
Concen: 19.614 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

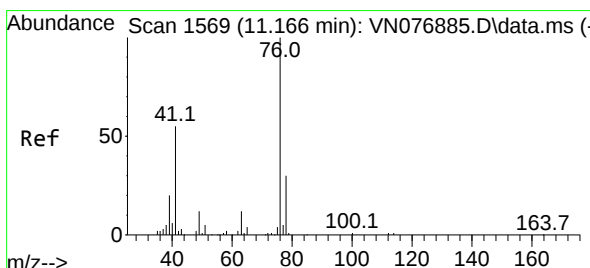
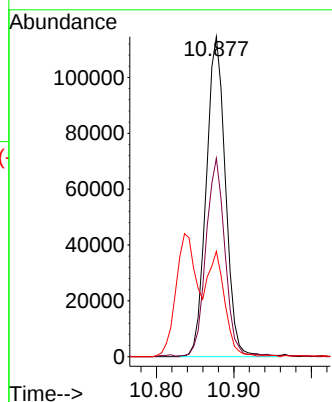
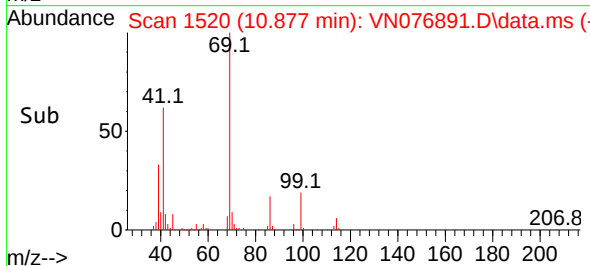
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 197065
Ion Ratio Lower Upper
69 100
41 61.7 36.3 108.7
39 32.9 19.9 59.7

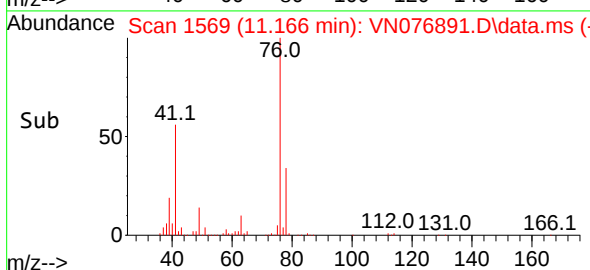
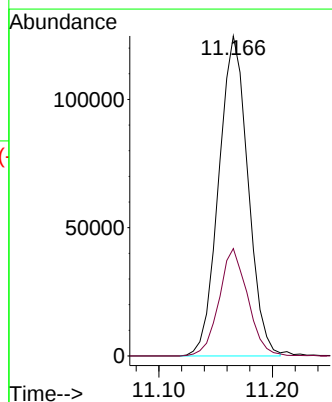
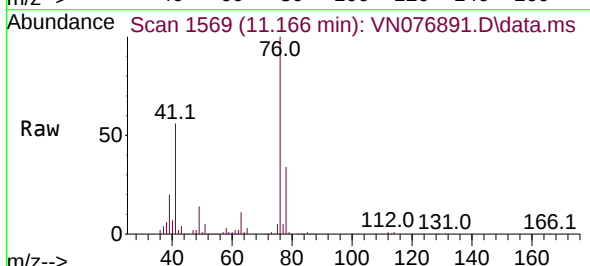
Manual Integrations
APPROVED

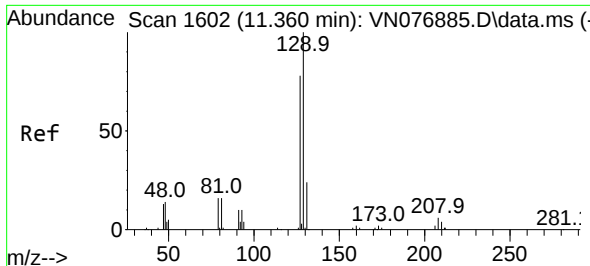
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#52
1,3-Dichloropropane
Concen: 18.924 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

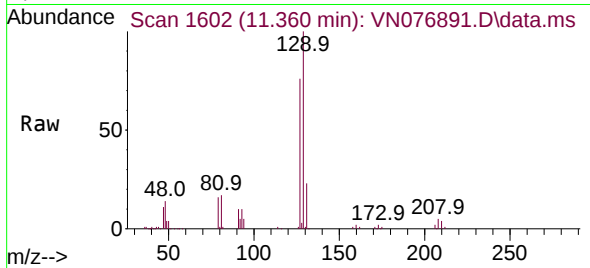
Tgt Ion: 76 Resp: 222757
Ion Ratio Lower Upper
76 100
78 32.9 0.0 65.4





#53
Dibromochloromethane
Concen: 19.789 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

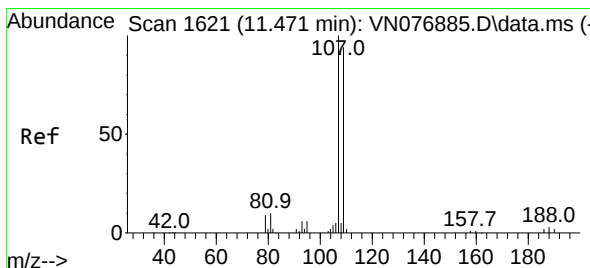
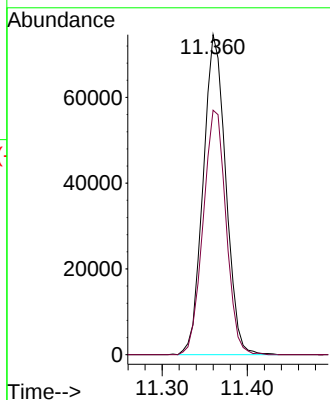
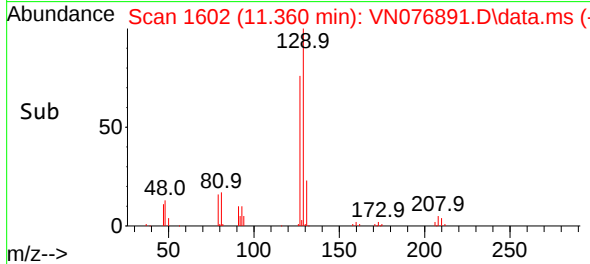
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



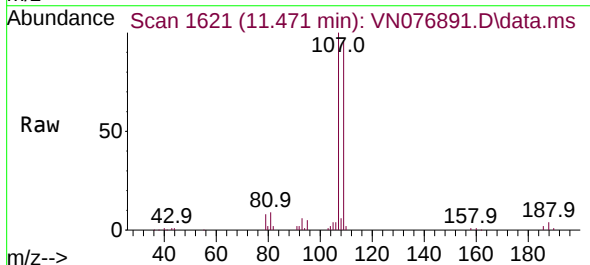
Tgt Ion:129 Resp: 137584
Ion Ratio Lower Upper
129 100
127 77.2 39.4 118.1

Manual Integrations
APPROVED

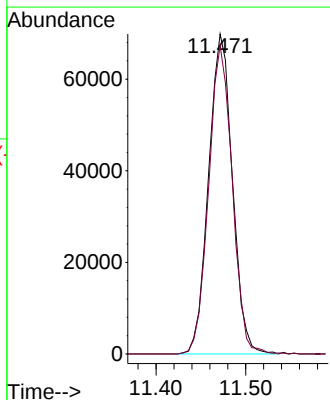
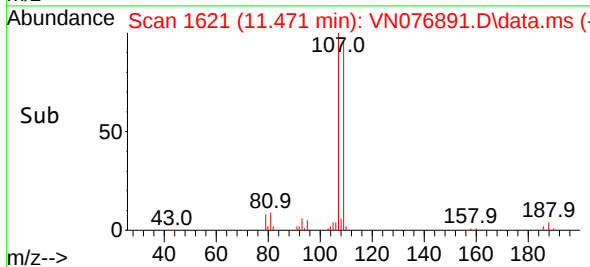
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

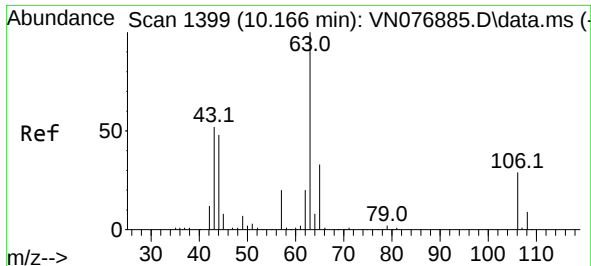


#54
1,2-Dibromoethane
Concen: 19.572 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



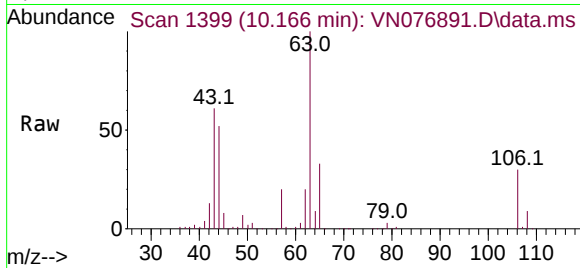
Tgt Ion:107 Resp: 128717
Ion Ratio Lower Upper
107 100
109 95.2 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 97.367 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

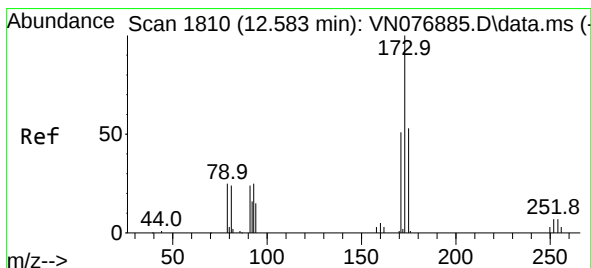
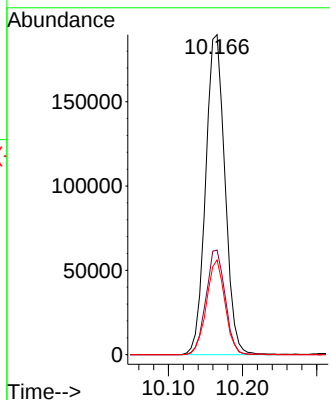
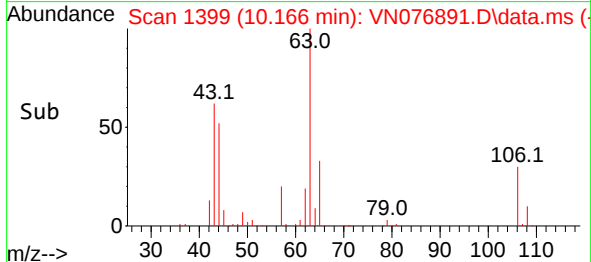
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 342985
Ion Ratio Lower Upper
63 100
65 32.5 26.3 39.5
106 28.5 21.6 32.4

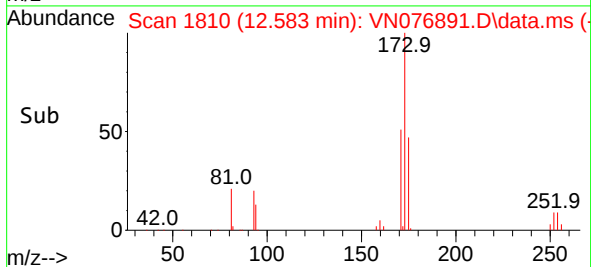
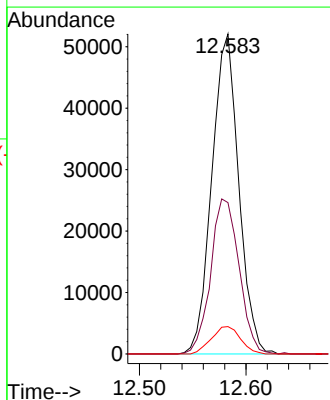
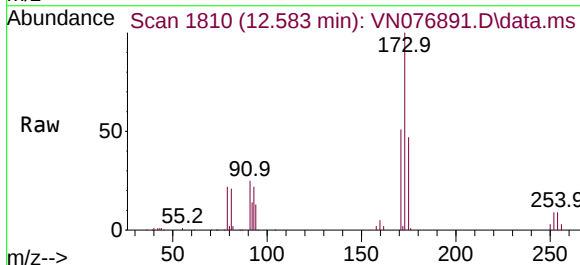
Manual Integrations
APPROVED

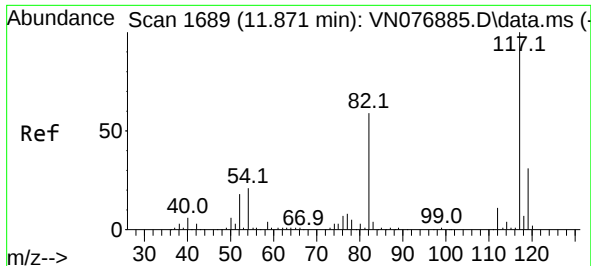
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#56
Bromoform
Concen: 19.622 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion:173 Resp: 91267
Ion Ratio Lower Upper
173 100
175 51.2 37.8 56.6
254 9.3 7.3 10.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:117 Resp: 42773

Ion Ratio Lower Upper

117 100

82 59.9 45.4 68.0

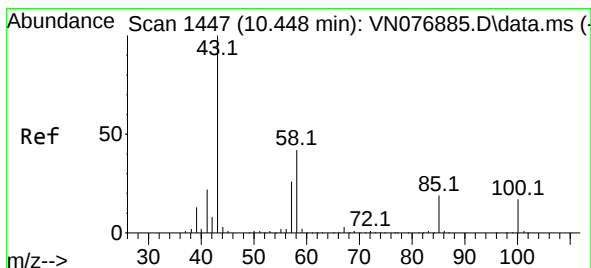
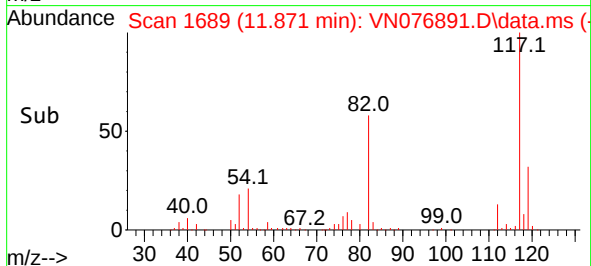
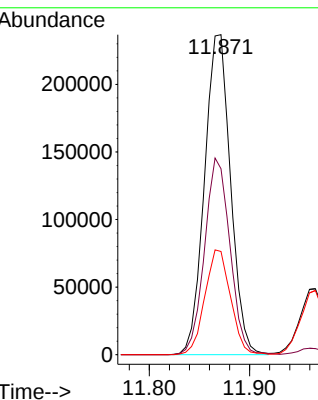
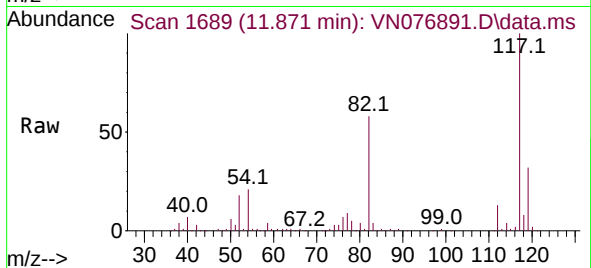
119 32.3 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#58

4-Methyl-2-Pentanone

Concen: 94.378 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

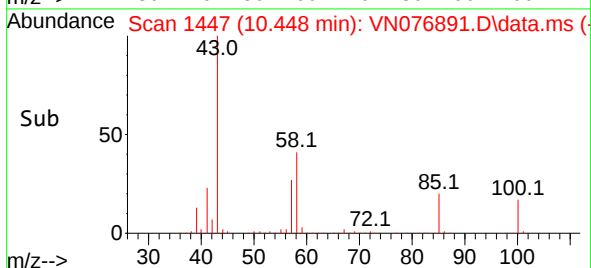
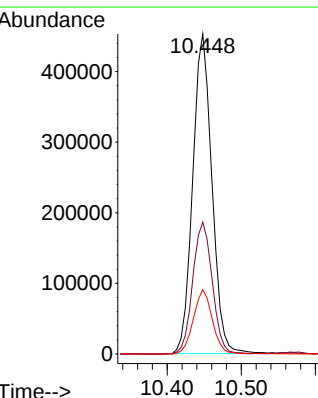
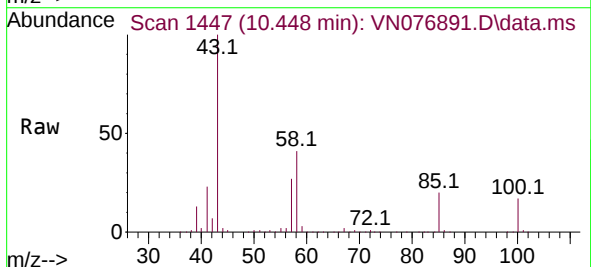
Tgt Ion: 43 Resp: 815495

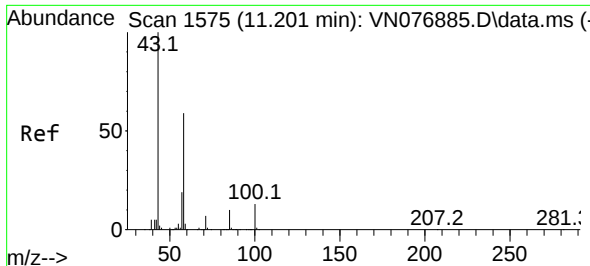
Ion Ratio Lower Upper

43 100

58 42.0 28.6 42.8

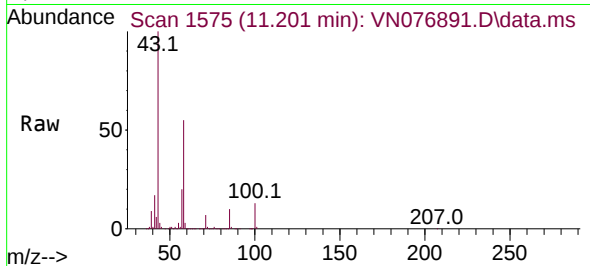
85 19.8 11.8 17.8#





#59
2-Hexanone
Concen: 100.850 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

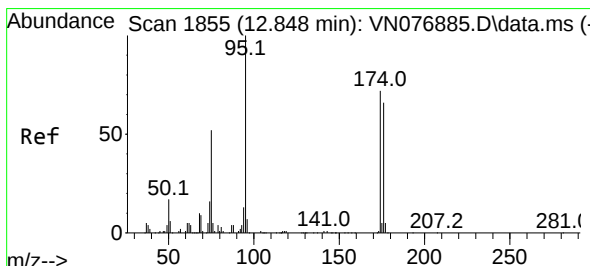
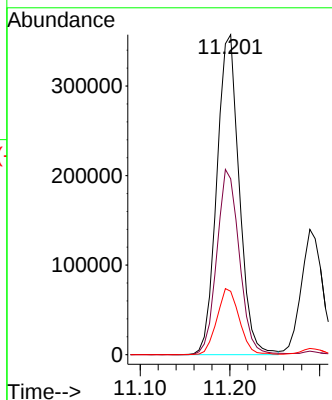
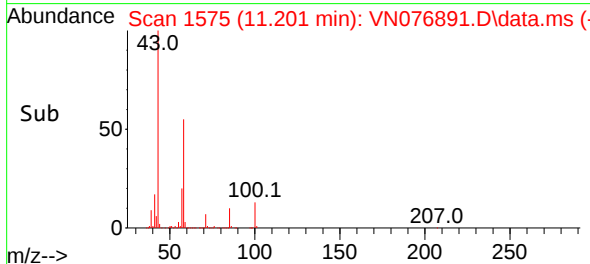
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 619039
Ion Ratio Lower Upper
43 100
58 58.2 40.6 60.8
57 20.5 13.1 19.7

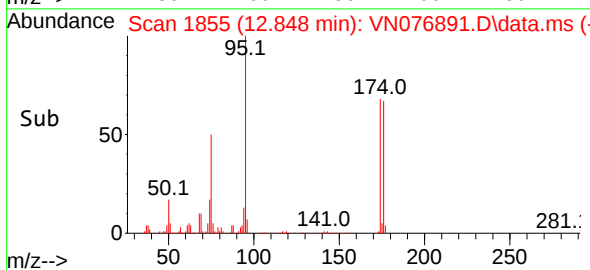
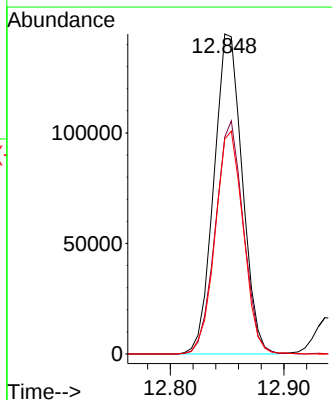
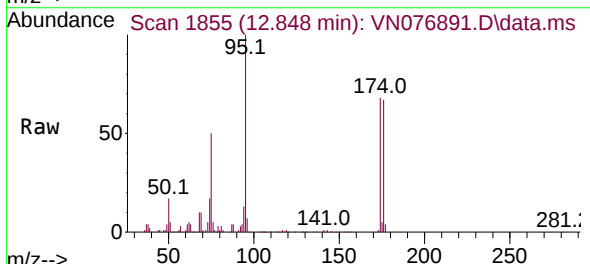
Manual Integrations
APPROVED

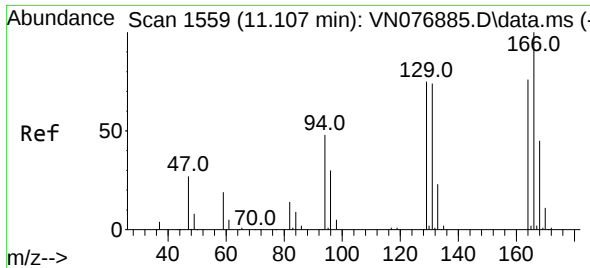
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#60
4-Bromofluorobenzene
Concen: 31.041 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

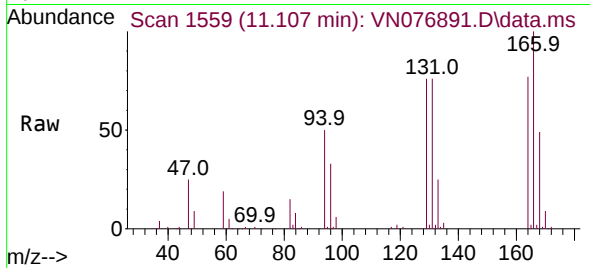
Tgt Ion: 95 Resp: 251288
Ion Ratio Lower Upper
95 100
174 71.7 64.2 96.4
176 69.1 61.4 92.0





#61
Tetrachloroethene
Concen: 19.803 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

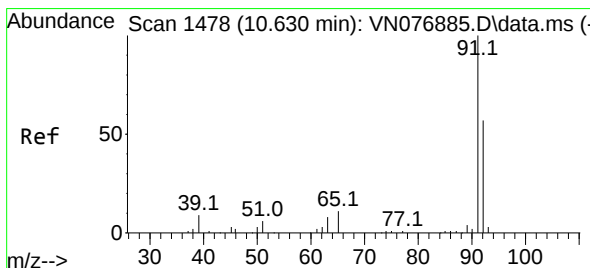
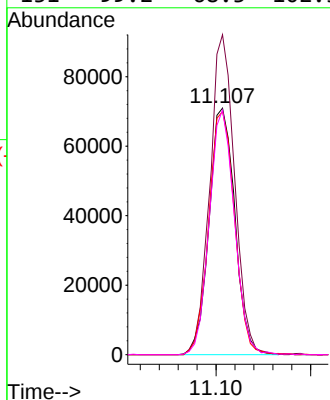
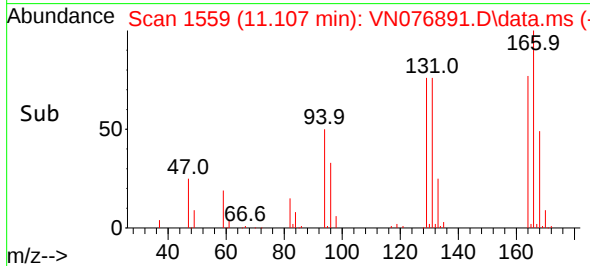
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



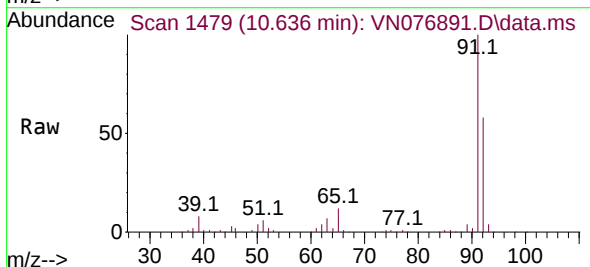
Tgt Ion:164 Resp: 133715
Ion Ratio Lower Upper
164 100
166 129.8 96.2 144.2
129 98.6 78.2 117.4
131 99.2 68.3 102.5

Manual Integrations
APPROVED

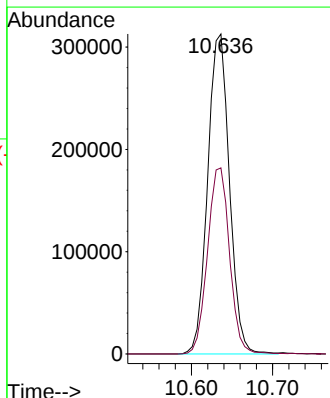
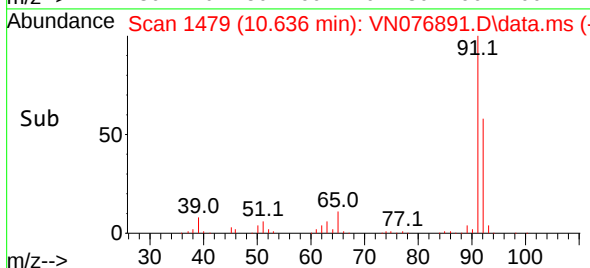
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

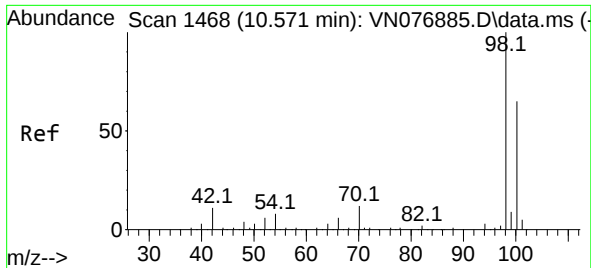


#62
Toluene
Concen: 19.772 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion: 91 Resp: 582759
Ion Ratio Lower Upper
91 100
92 58.9 46.3 69.5





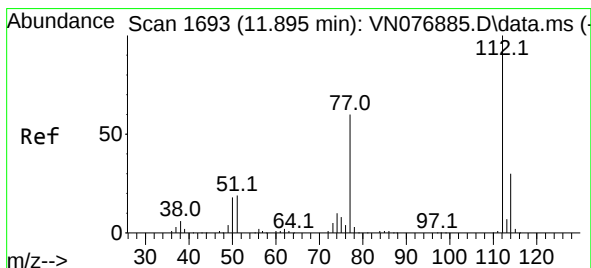
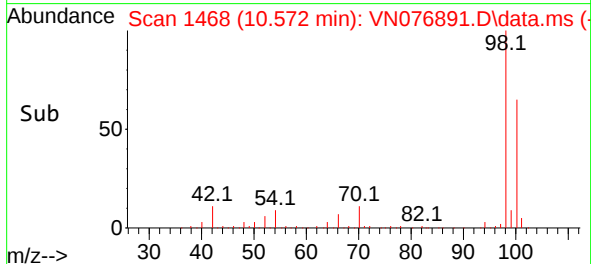
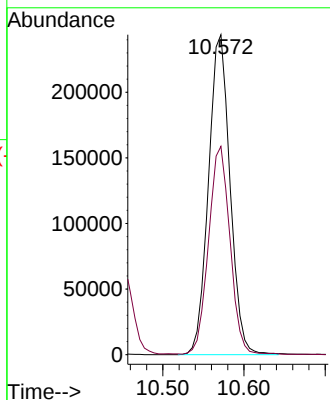
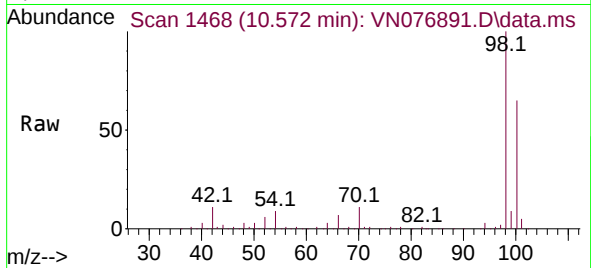
#63
Toluene-d8
Concen: 29.882 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 44956
Ion Ratio Lower Upper
98 100
100 64.3 53.8 80.6

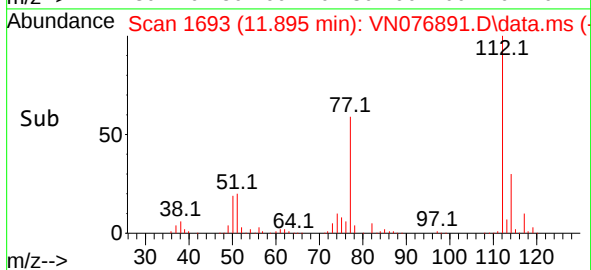
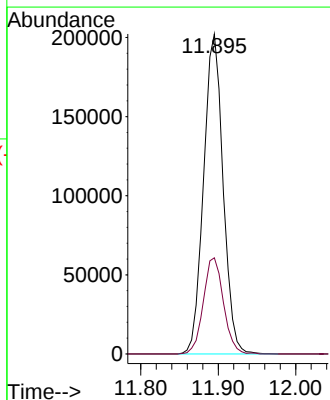
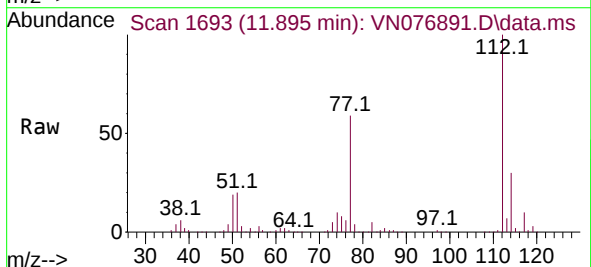
Manual Integrations
APPROVED

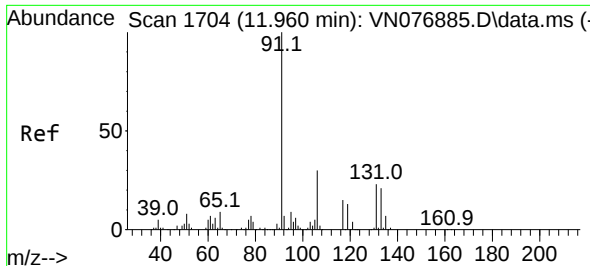
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#64
Chlorobenzene
Concen: 20.345 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion:112 Resp: 352976
Ion Ratio Lower Upper
112 100
114 30.1 24.5 36.7





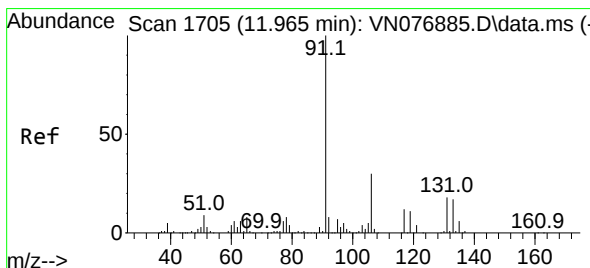
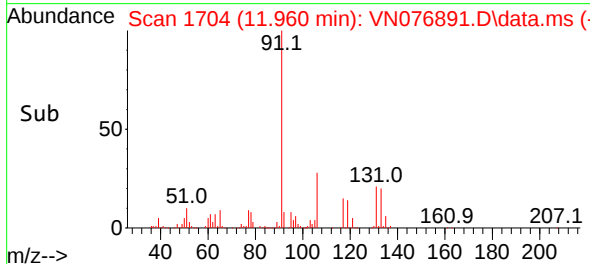
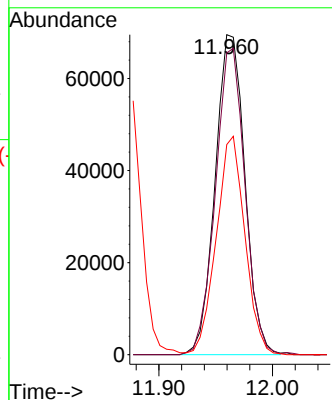
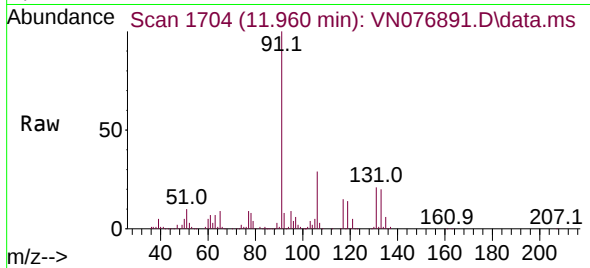
#65
1,1,1,2-Tetrachloroethane
Concen: 19.400 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 126415
Ion Ratio Lower Upper
131 100
133 95.1 0.0 197.6
119 66.0 0.0 127.8

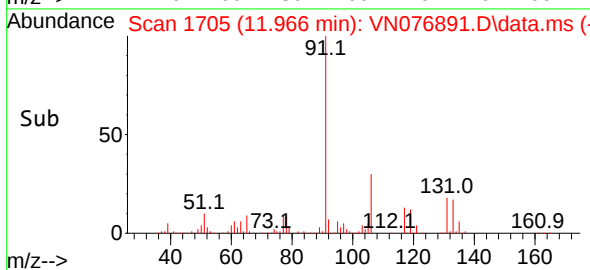
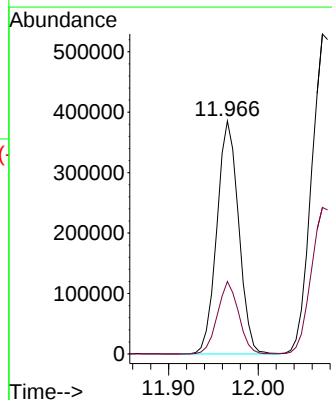
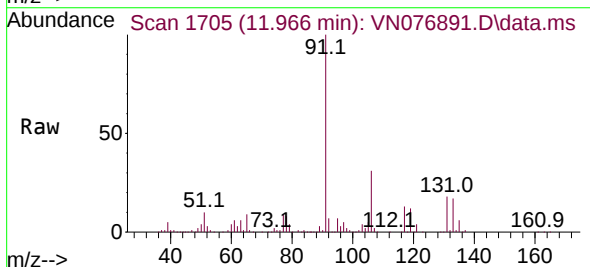
Manual Integrations
APPROVED

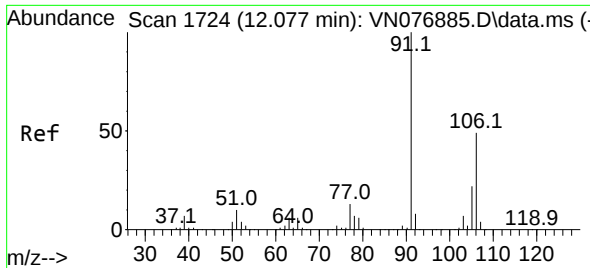
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#66
Ethyl Benzene
Concen: 20.304 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 91 Resp: 649706
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.8





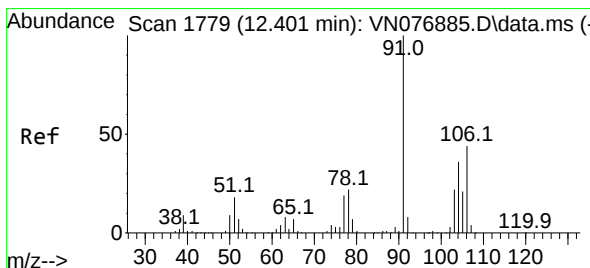
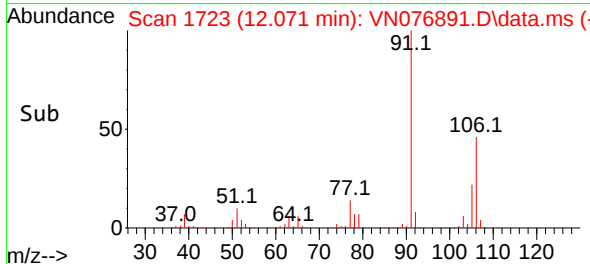
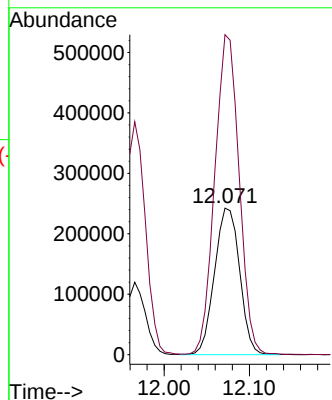
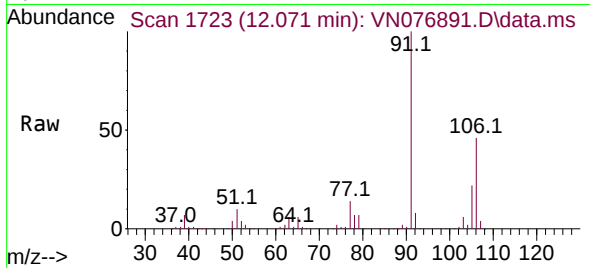
#67
m/p-Xylenes
Concen: 40.912 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 495892
Ion Ratio Lower Upper
106 100
91 212.5 157.4 236.2

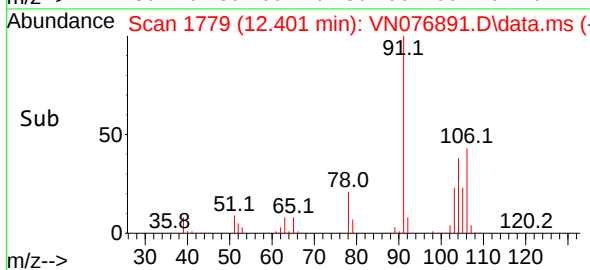
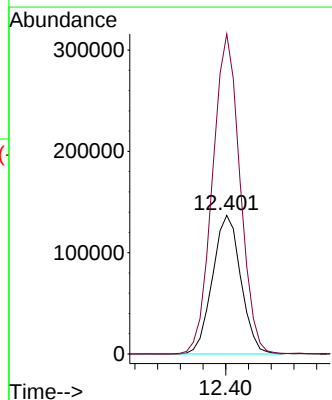
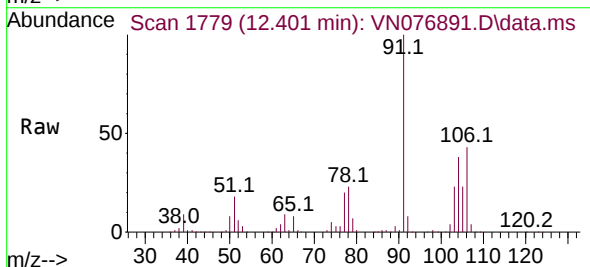
Manual Integrations
APPROVED

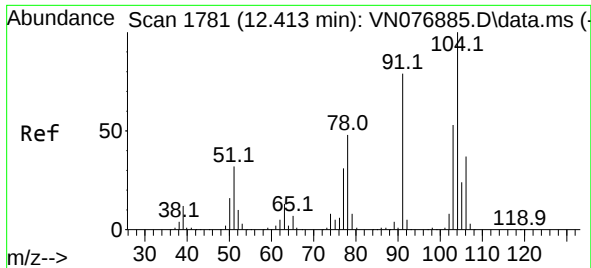
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#68
o-Xylene
Concen: 20.034 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion:106 Resp: 237085
Ion Ratio Lower Upper
106 100
91 224.1 107.2 321.6





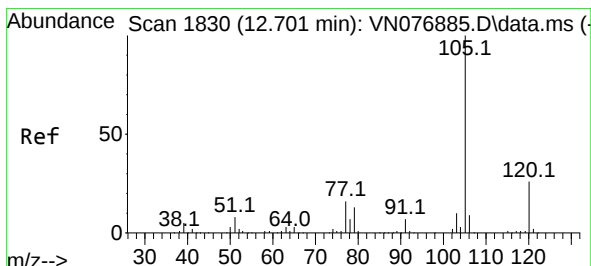
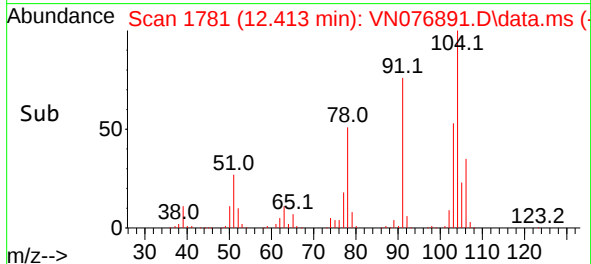
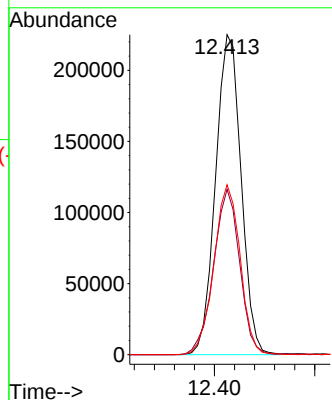
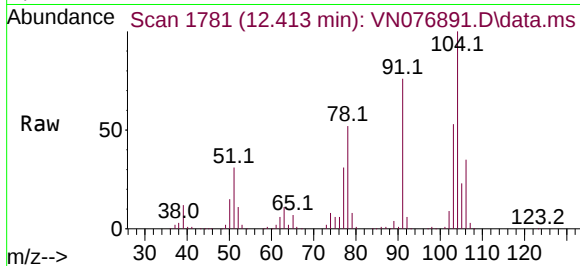
#69
Styrene
Concen: 20.749 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 398227
Ion Ratio Lower Upper
104 100
78 52.7 39.6 59.4
103 54.5 43.9 65.9

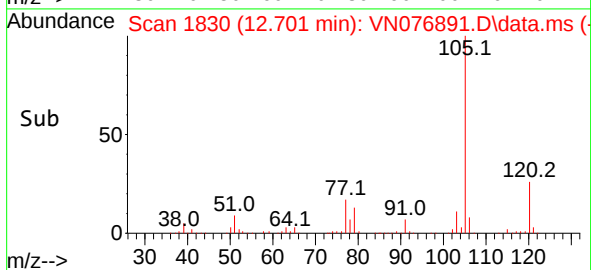
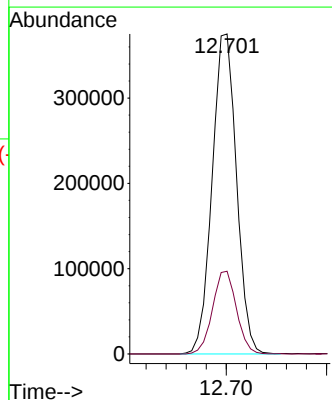
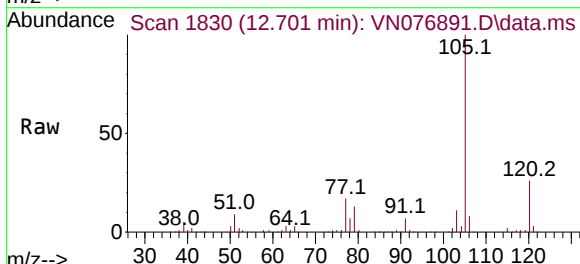
Manual Integrations
APPROVED

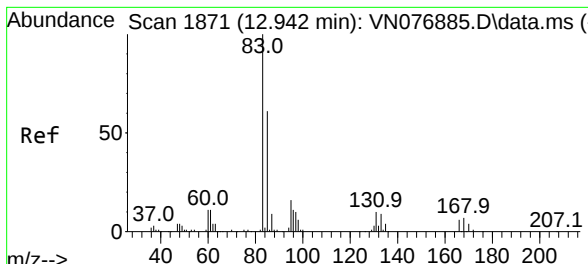
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#70
Isopropylbenzene
Concen: 20.571 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

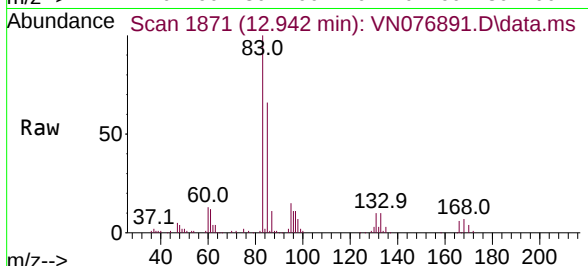
Tgt Ion:105 Resp: 633400
Ion Ratio Lower Upper
105 100
120 25.3 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 19.199 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

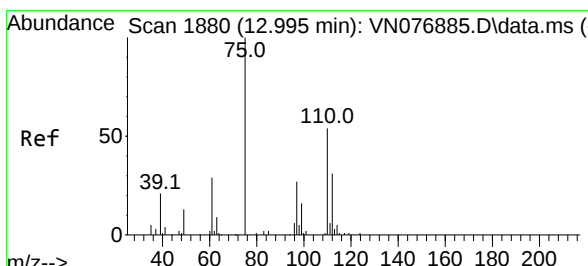
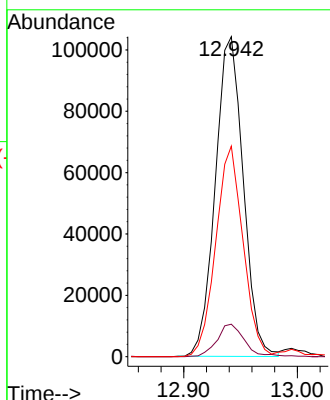
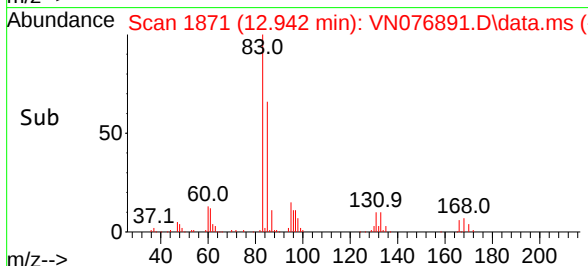
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



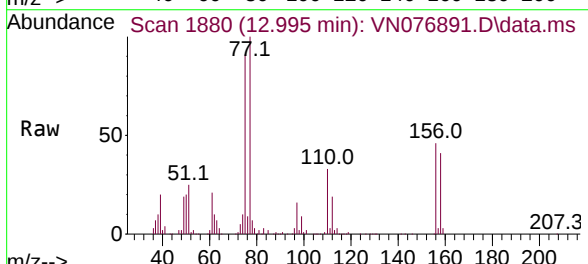
Tgt Ion: 83 Resp: 178239
Ion Ratio Lower Upper
83 100
131 9.6 5.0 14.9
85 64.3 32.3 96.9

Manual Integrations
APPROVED

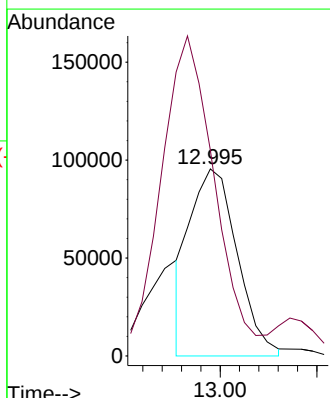
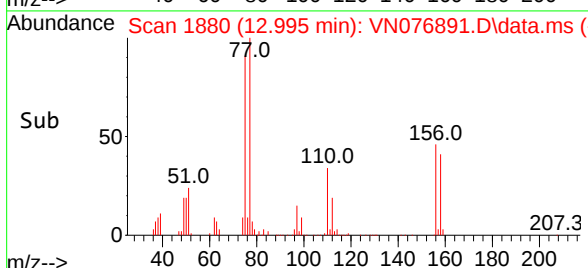
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

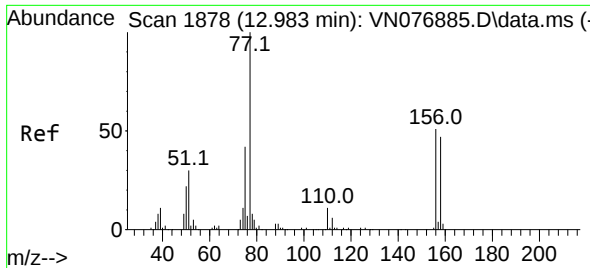


#72
1,2,3-Trichloropropane
Concen: 19.051 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion: 75 Resp: 162247
Ion Ratio Lower Upper
75 100
77 193.9 0.0 332.6





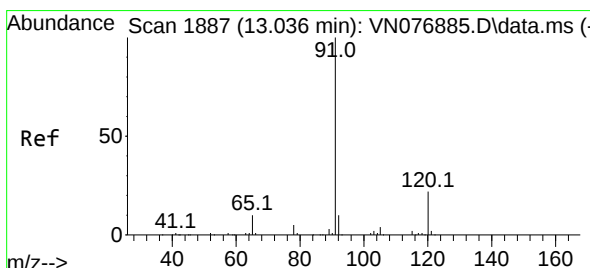
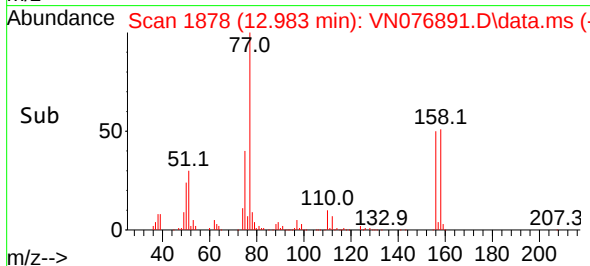
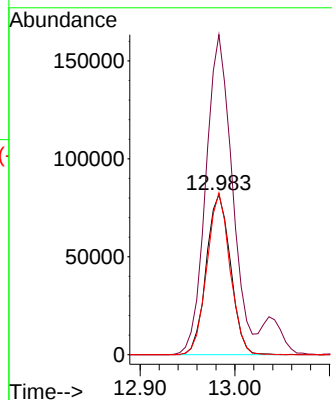
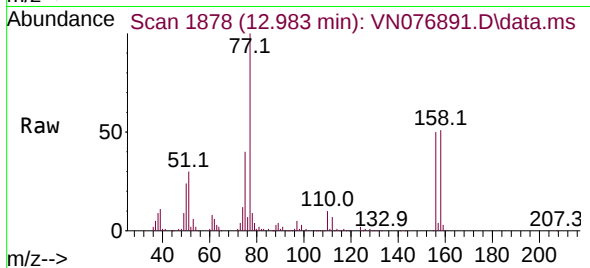
#73
Bromobenzene
Concen: 20.842 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 144815
Ion Ratio Lower Upper
156 100
77 217.2 0.0 423.0
158 96.8 0.0 188.6

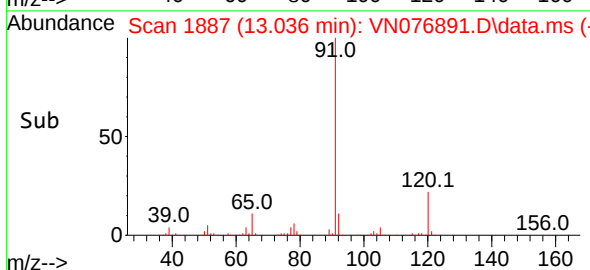
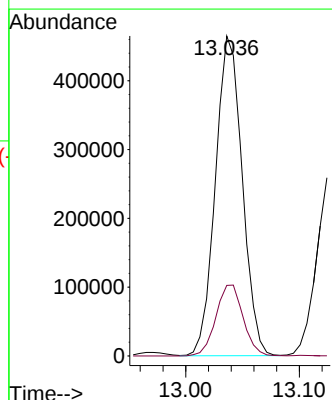
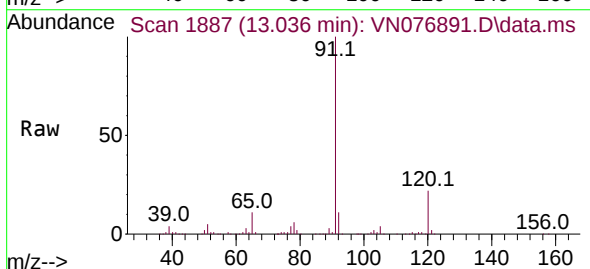
Manual Integrations
APPROVED

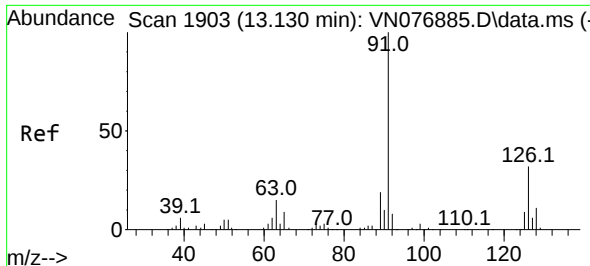
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#74
n-propylbenzene
Concen: 20.989 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion: 91 Resp: 762815
Ion Ratio Lower Upper
91 100
120 22.5 0.0 44.0





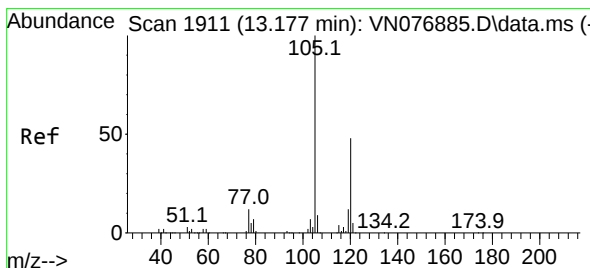
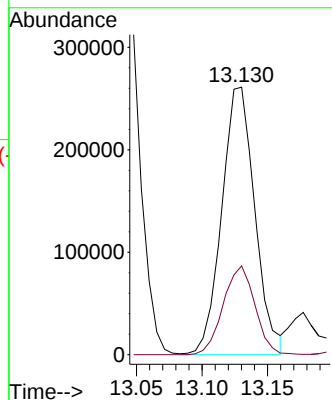
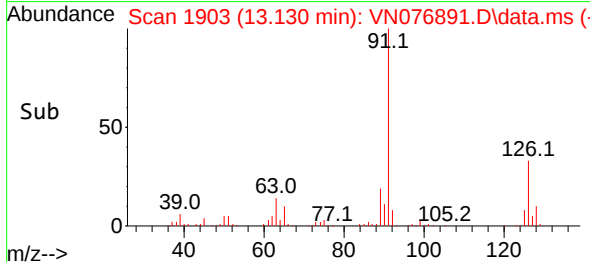
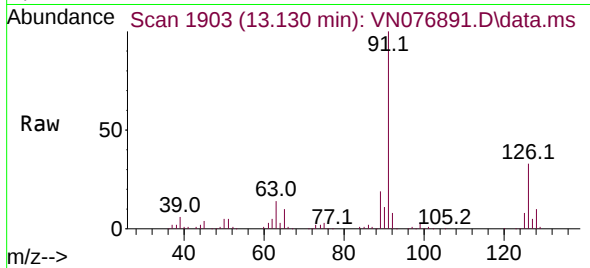
#75
2-Chlorotoluene
Concen: 20.404 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 45860
Ion Ratio Lower Upper
91 100
126 31.8 0.0 66.4

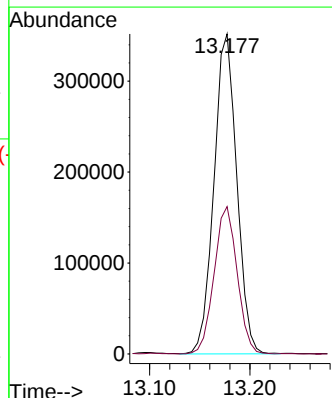
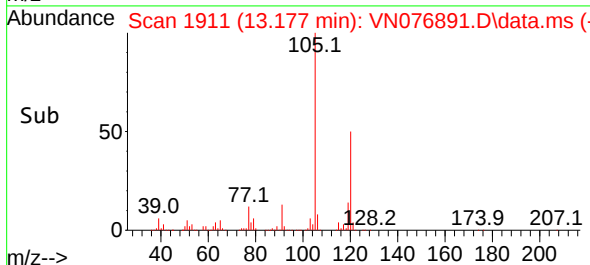
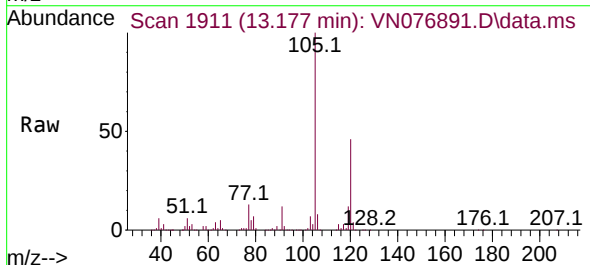
Manual Integrations
APPROVED

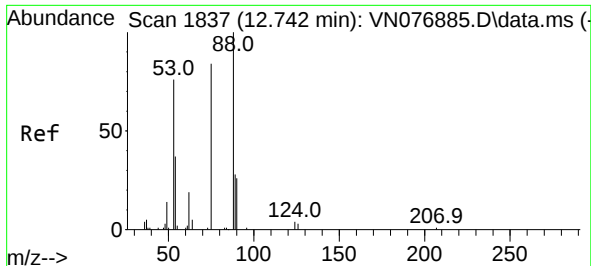
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.848 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

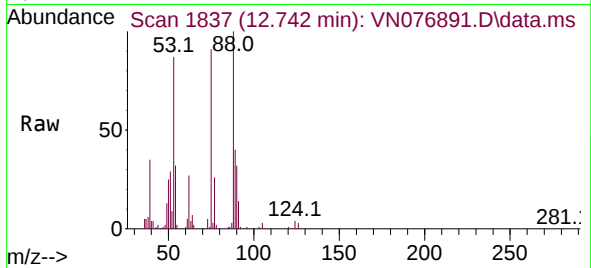
Tgt Ion:105 Resp: 555619
Ion Ratio Lower Upper
105 100
120 46.6 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 21.396 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.006 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

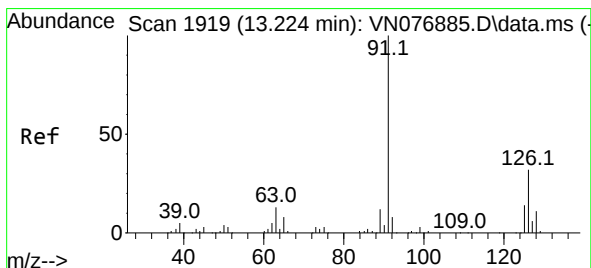
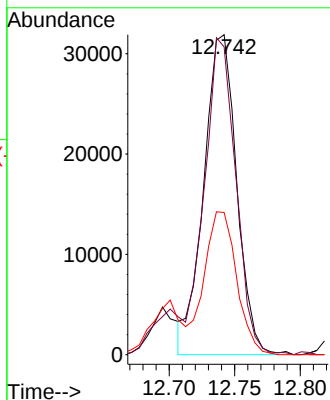
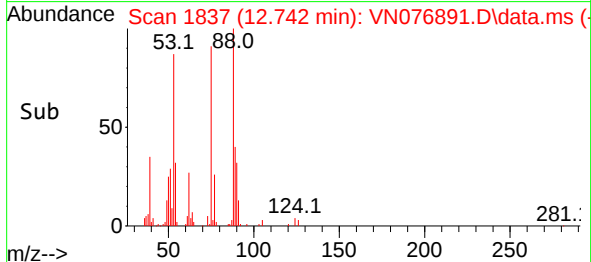
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



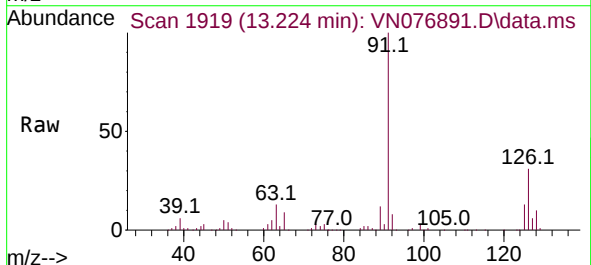
Tgt Ion: 75 Resp: 5562
Ion Ratio Lower Upper
75 100
53 96.0 50.4 151.3
89 44.7 22.1 66.5

Manual Integrations
APPROVED

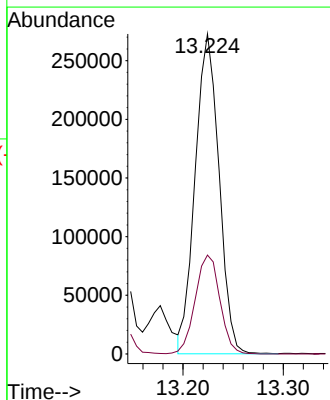
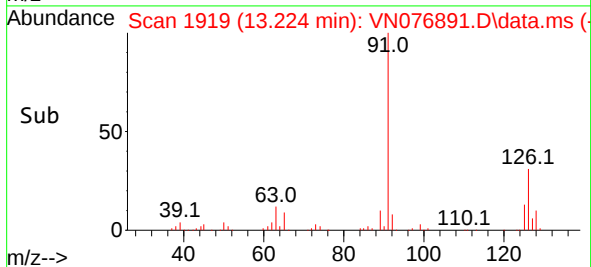
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

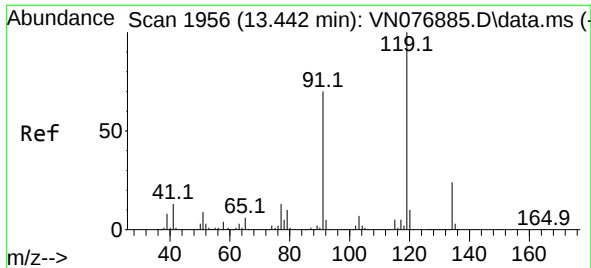


#78
4-Chlorotoluene
Concen: 20.820 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion: 91 Resp: 451082
Ion Ratio Lower Upper
91 100
126 32.0 0.0 70.6





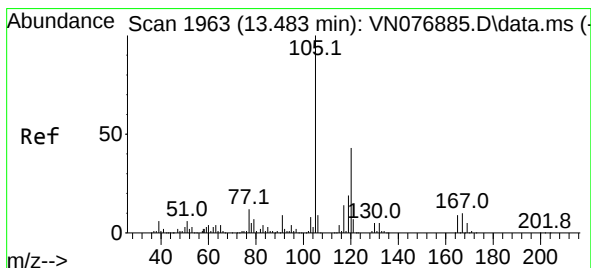
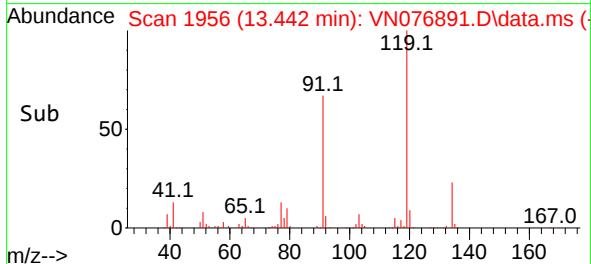
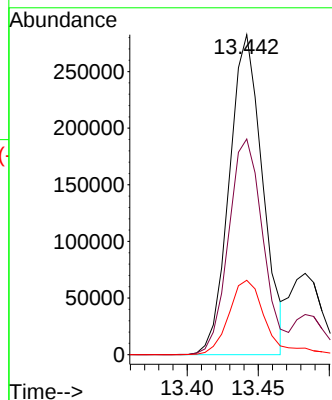
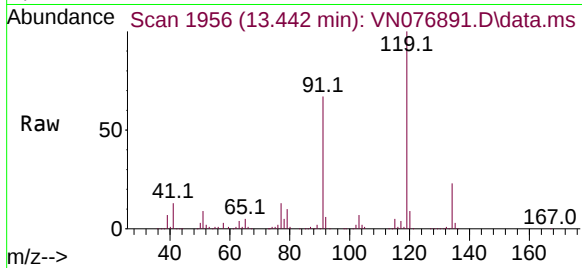
#79
tert-butylbenzene
Concen: 20.679 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 460860
Ion Ratio Lower Upper
119 100
91 70.3 0.0 129.6
134 24.7 0.0 47.8

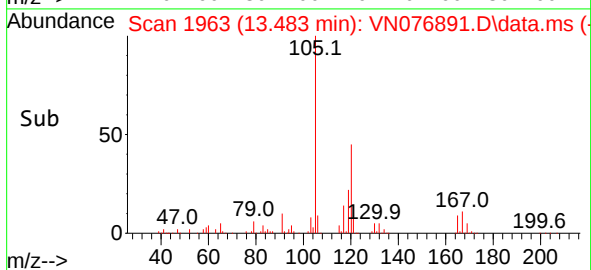
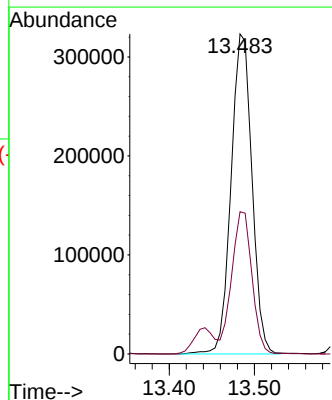
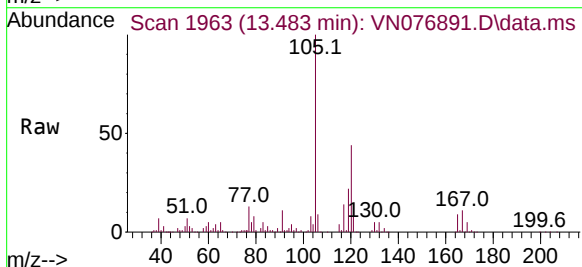
Manual Integrations
APPROVED

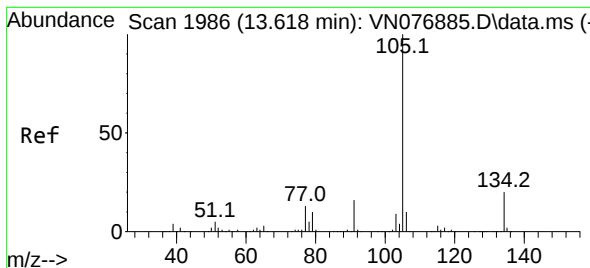
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#80
1,2,4-Trimethylbenzene
Concen: 21.013 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

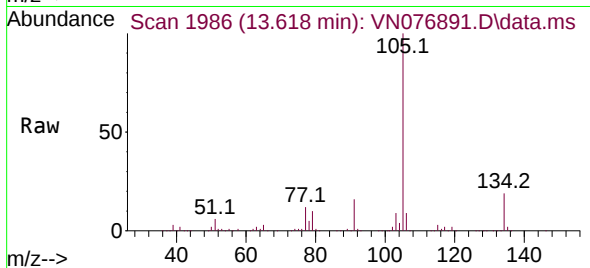
Tgt Ion:105 Resp: 550344
Ion Ratio Lower Upper
105 100
120 42.8 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 21.278 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN076891.D
 Acq: 09 Mar 2023 09:51

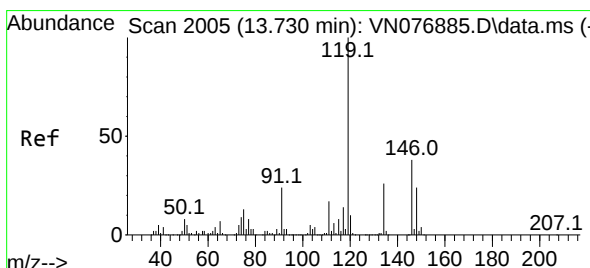
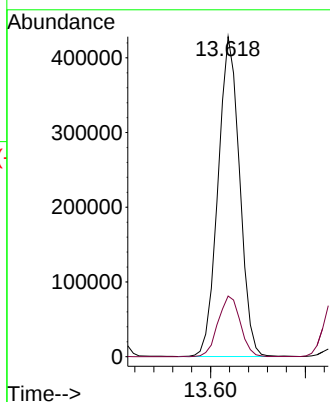
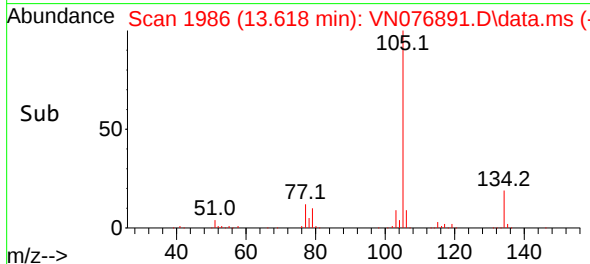
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



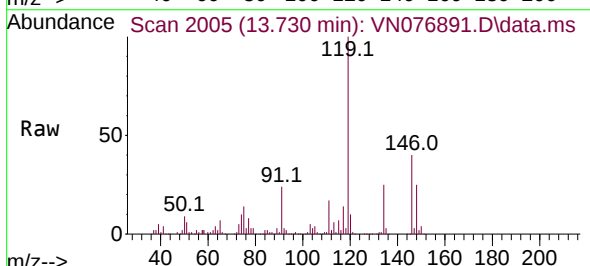
Tgt Ion:105 Resp: 678480
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.4

Manual Integrations
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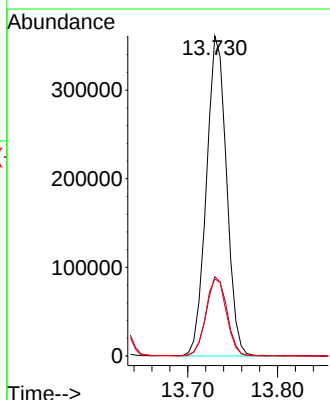
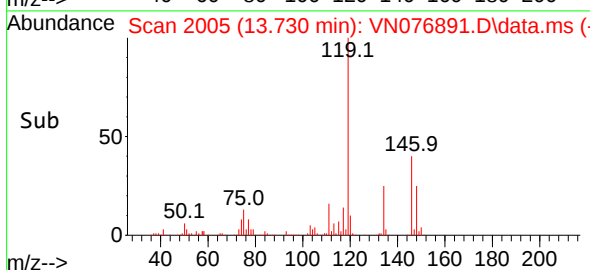
Reviewed By :John Carlone 03/10/2023
 Supervised By :Mahesh Dadoda 03/10/2023

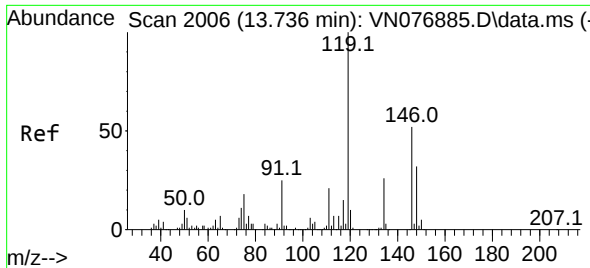


#82
 p-Isopropyltoluene
 Concen: 21.847 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN076891.D
 Acq: 09 Mar 2023 09:51



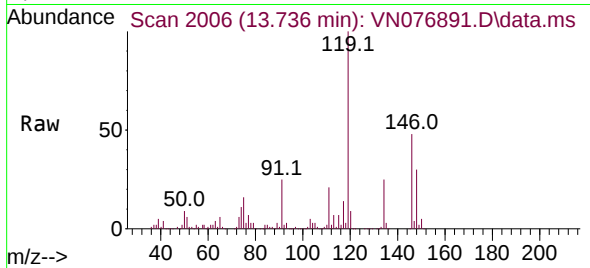
Tgt Ion:119 Resp: 563038
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 53.4
 91 24.8 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 21.029 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

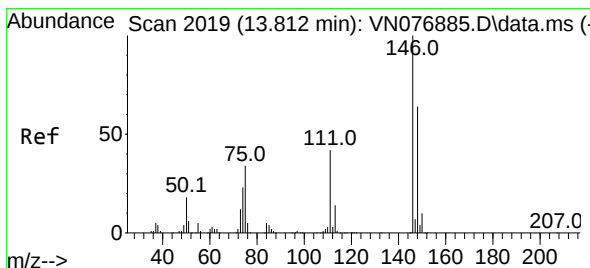
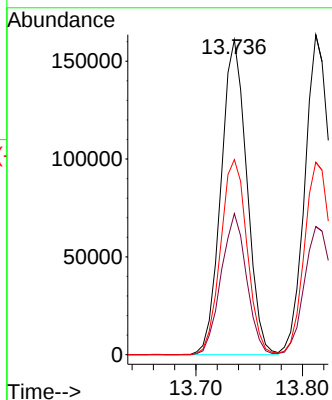
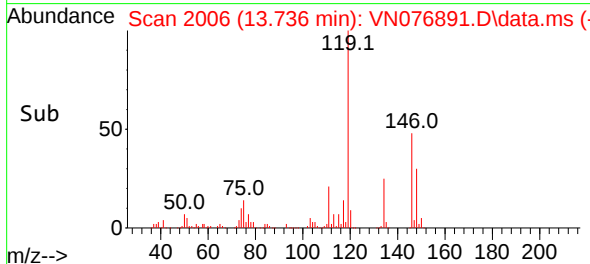
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



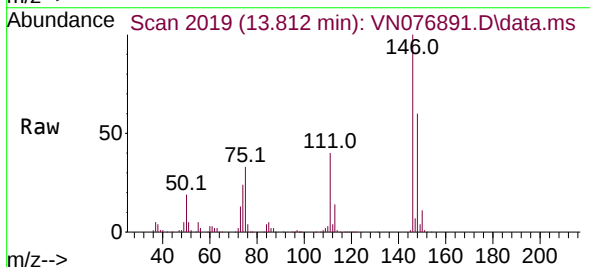
Tgt Ion:146 Resp: 27035
Ion Ratio Lower Upper
146 100
111 44.2 20.3 60.8
148 63.5 31.9 95.5

Manual Integrations
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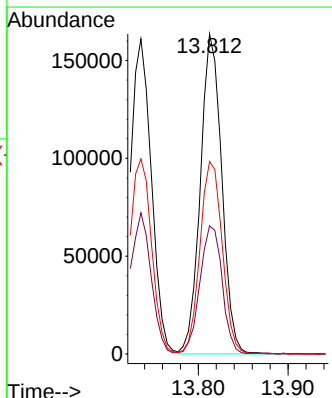
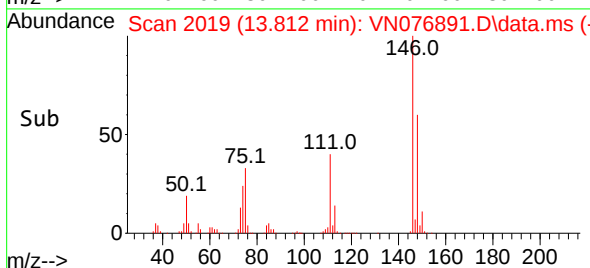
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

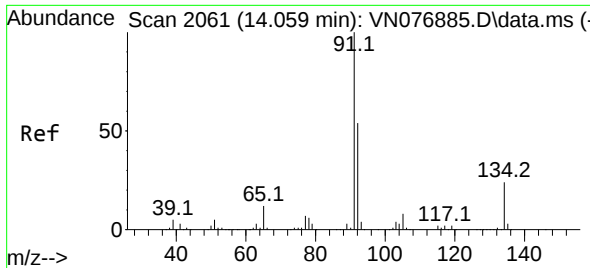


#84
1,4-Dichlorobenzene
Concen: 21.669 ug/l
RT: 13.812 min Scan# 2019
Delta R.T. -0.001 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion:146 Resp: 270606
Ion Ratio Lower Upper
146 100
111 41.7 18.2 54.6
148 62.6 31.1 93.2





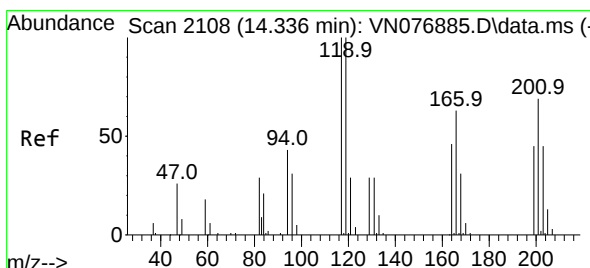
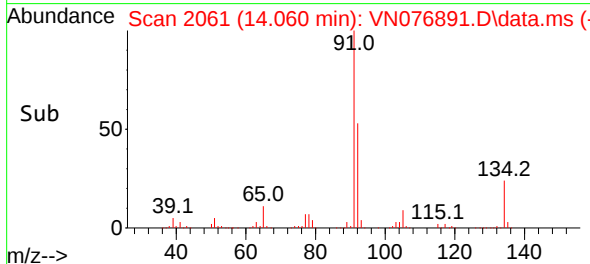
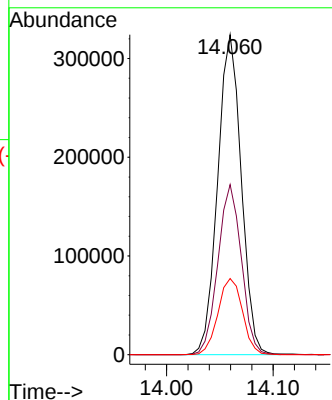
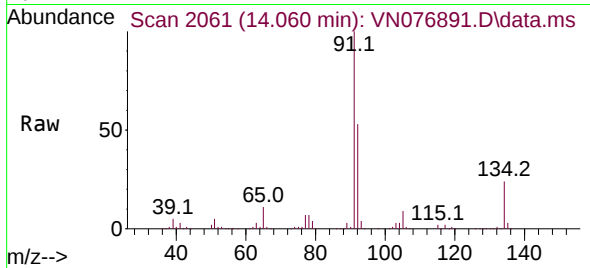
#85
n-Butylbenzene
Concen: 22.811 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 49830
Ion Ratio Lower Upper
91 100
92 52.8 0.0 103.2
134 24.7 0.0 50.0

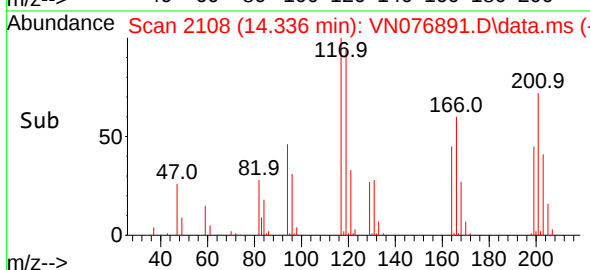
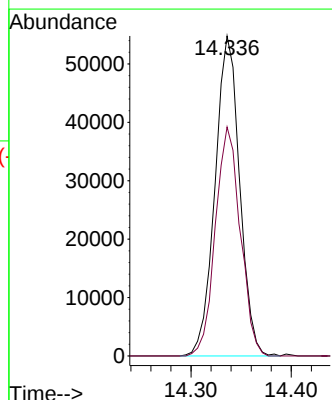
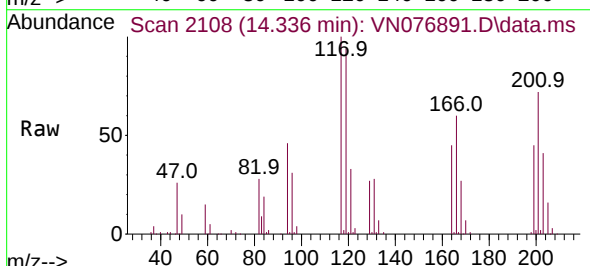
Manual Integrations
APPROVED

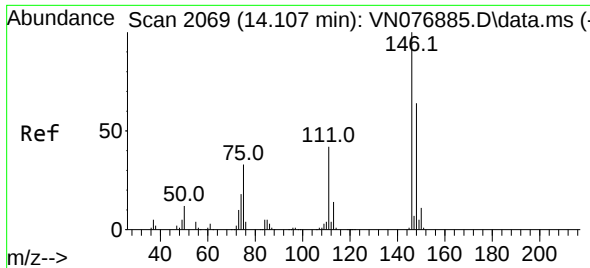
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#86
Hexachloroethane
Concen: 20.273 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

Tgt Ion:117 Resp: 93286
Ion Ratio Lower Upper
117 100
201 72.3 32.2 96.6





#87

1,2-Dichlorobenzene

Concen: 20.395 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

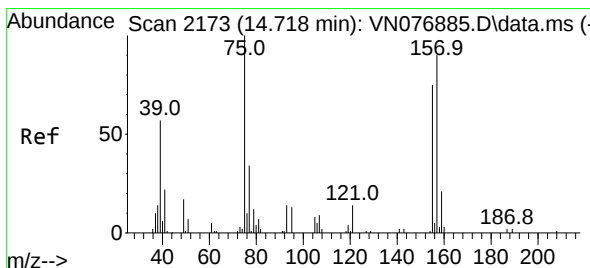
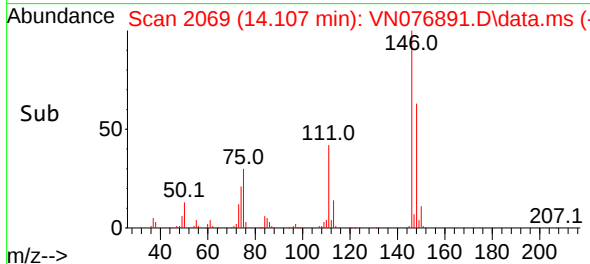
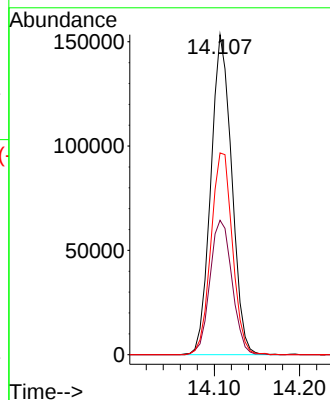
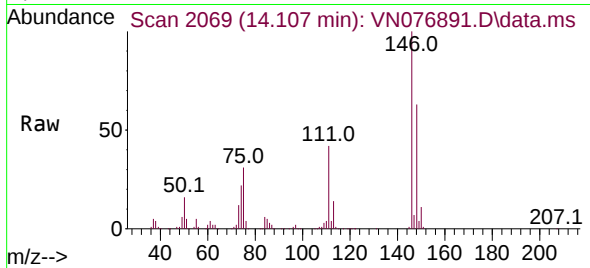
Tgt Ion:	146	Resp:	261479
Ion Ratio	Lower	Upper	
146	100		
111	44.2	20.5	61.6
148	64.8	32.5	97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2023

Supervised By :Mahesh Dadoda 03/10/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.567 ug/l

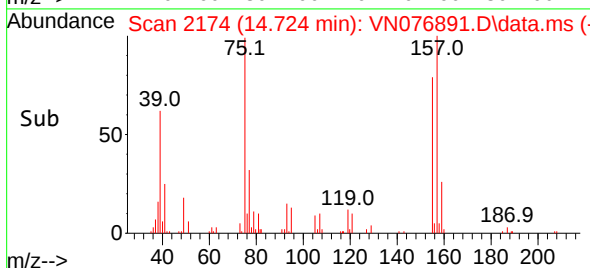
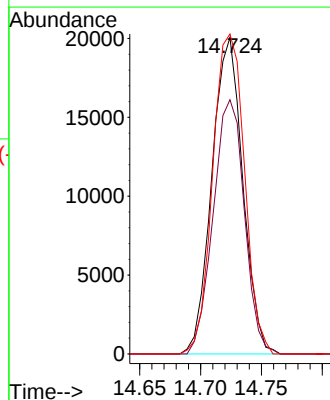
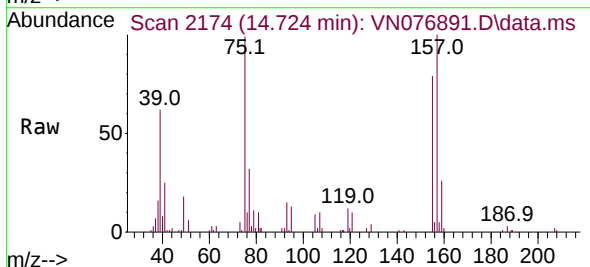
RT: 14.724 min Scan# 2174

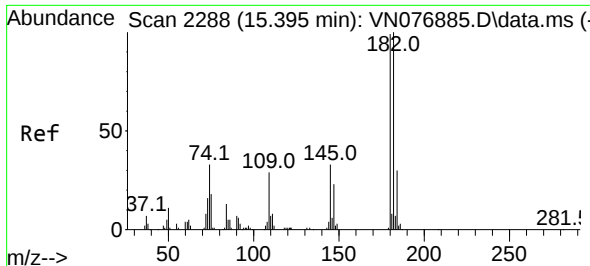
Delta R.T. 0.000 min

Lab File: VN076891.D

Acq: 09 Mar 2023 09:51

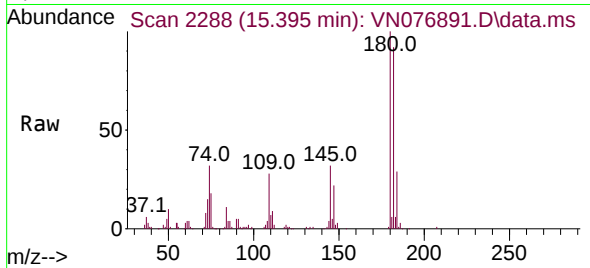
Tgt Ion:	75	Resp:	35382
Ion Ratio	Lower	Upper	
75	100		
155	81.1	62.5	93.7
157	103.8	77.5	116.3





#89
1,2,4-Trichlorobenzene
Concen: 22.664 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

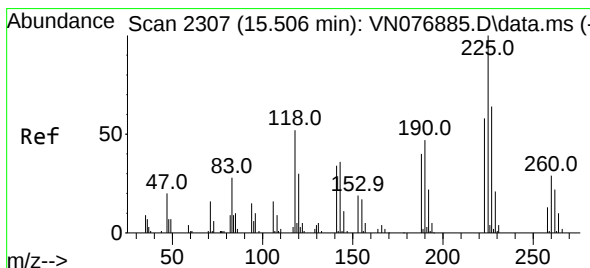
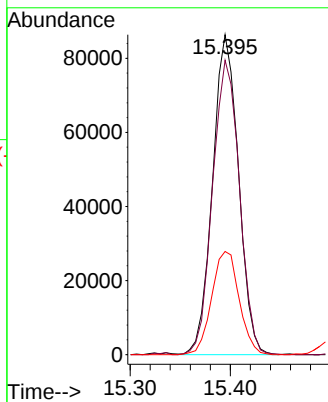
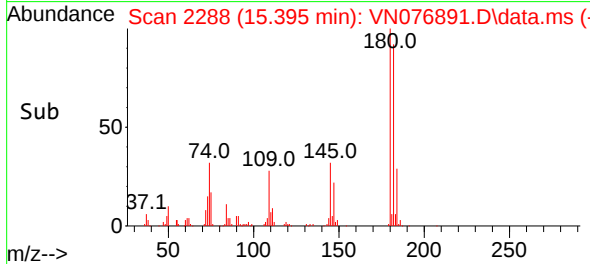
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:180 Resp: 15500
Ion Ratio Lower Upper
180 100
182 95.0 76.6 115.0
145 34.1 24.6 36.8

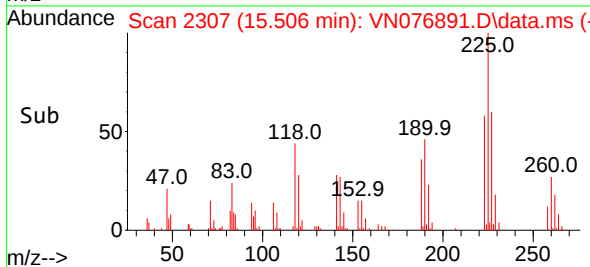
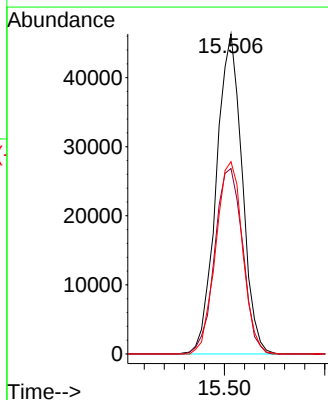
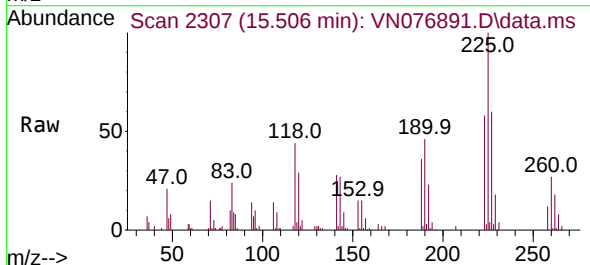
Manual Integrations
APPROVED

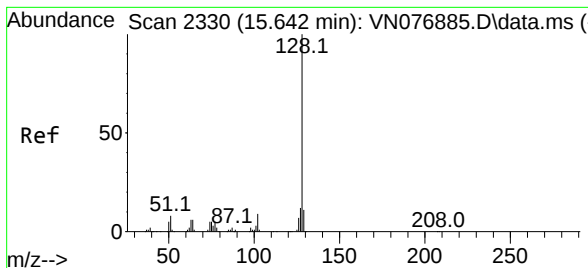
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#90
Hexachlorobutadiene
Concen: 23.009 ug/l
RT: 15.506 min Scan# 2307
Delta R.T. 0.005 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

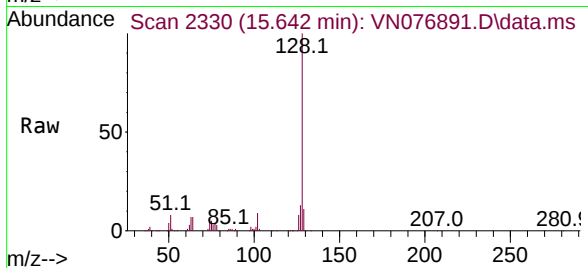
Tgt Ion:225 Resp: 82960
Ion Ratio Lower Upper
225 100
223 62.4 0.0 135.4
227 62.5 0.0 129.4





#91
Naphthalene
Concen: 21.915 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51

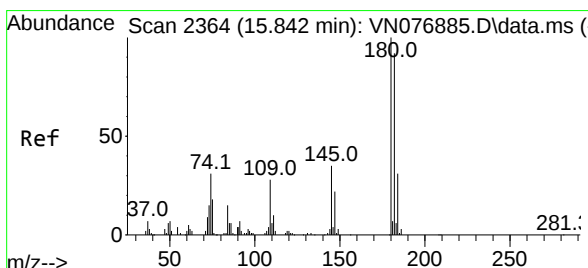
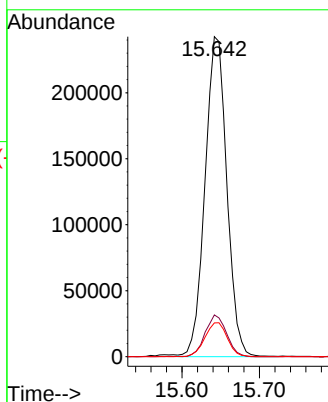
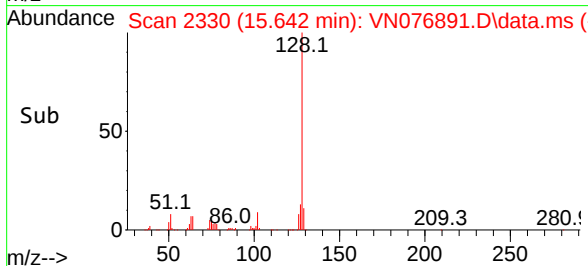
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



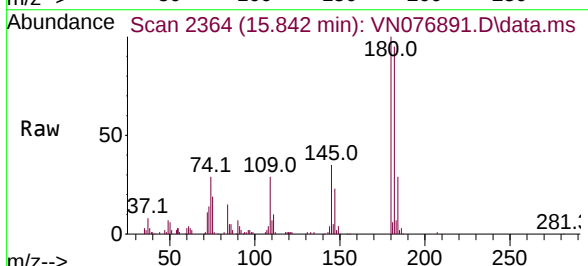
Tgt Ion:128 Resp: 47537
Ion Ratio Lower Upper
128 100
127 12.8 11.0 16.6
129 10.9 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#92
1,2,3-Trichlorobenzene
Concen: 22.491 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN076891.D
Acq: 09 Mar 2023 09:51



Tgt Ion:180 Resp: 154204
Ion Ratio Lower Upper
180 100
182 92.4 0.0 190.8
145 33.5 0.0 65.0

