

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077023.D
 Acq On : 16 Mar 2023 16:46
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 03:24:41 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	7.819	128	38996	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	289347	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	310281	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	116604	32.532	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.433%			
60) 4-Bromofluorobenzene	12.854	95	176647	30.080	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.267%			
63) Toluene-d8	10.572	98	336578	30.841	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	85880	17.210	ug/l	96
3) Chloromethane	2.372	50	71442	15.663	ug/l	98
4) Vinyl Chloride	2.525	62	79024	19.000	ug/l	94
5) Bromomethane	2.972	94	51170	19.238	ug/l	97
6) Chloroethane	3.137	64	46892	19.186	ug/l	98
7) Trichlorofluoromethane	3.513	101	168693	21.711	ug/l	100
8) Diethyl Ether	3.978	74	64567	22.158	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.390	101	97312	22.107	ug/l	99
10) 1,1-Dichloroethene	4.354	96	92626	21.680	ug/l	98
11) Methyl Iodide	4.601	142	116920	22.711	ug/l	89
12) Methyl Acetate	5.037	43	174067	24.771	ug/l	97
13) Acrolein	4.190	56	101891	98.079	ug/l	97
14) Acrylonitrile	5.725	53	274257	118.476	ug/l	99
15) Acetone	4.437	58	71333	113.228	ug/l	99
16) Carbon Disulfide	4.725	76	264523	22.329	ug/l	97
17) Allyl chloride	5.037	41	159475m	24.886	ug/l	
18) Methylene Chloride	5.290	84	108966	21.804	ug/l	93
19) trans-1,2-Dichloroethene	5.801	96	99665	22.138	ug/l	96
20) Diisopropyl ether	6.678	45	364452	25.210	ug/l	95
21) 1,1-Dichloroethane	6.578	63	205420	23.878	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	115852	22.456	ug/l	98
23) tert-Butyl Alcohol	5.531	59	82233m	122.316	ug/l	
24) Methyl tert-Butyl Ether	5.807	73	324434	23.291	ug/l	94
25) Chloroform	7.972	83	199780	22.606	ug/l	98
26) Cyclohexane	8.260	56	179706	22.879	ug/l #	98
29) 1,1-Dichloropropene	8.378	75	148337	21.765	ug/l	98
30) 2-Butanone	7.490	43	360393	115.906	ug/l	99
31) 2,2-Dichloropropane	7.495	77	154044	22.814	ug/l #	65
32) 1,1,1-Trichloroethane	8.172	97	169923	21.375	ug/l	97
33) Carbon Tetrachloride	8.366	117	143306	20.388	ug/l	96
34) Benzene	8.613	78	447147	21.401	ug/l	96
35) Methacrylonitrile	7.790	41	64830m	18.529	ug/l	
36) 1,2-Dichloroethane	8.672	62	156232	22.308	ug/l	100
37) Trichloroethene	9.354	130	98588	19.145	ug/l	91
38) Methylcyclohexane	9.607	83	176219	20.773	ug/l	94
39) 1,2-Dichloropropane	9.625	63	118571	22.087	ug/l	95
40) Dibromomethane	9.707	93	73544	21.504	ug/l	97
41) Bromodichloromethane	9.889	83	151435	21.606	ug/l	98
42) Vinyl Acetate	6.613	43	1171705	120.889	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

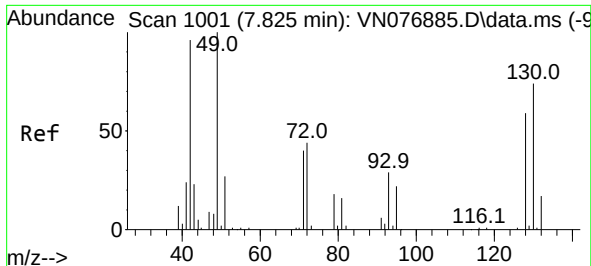
Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

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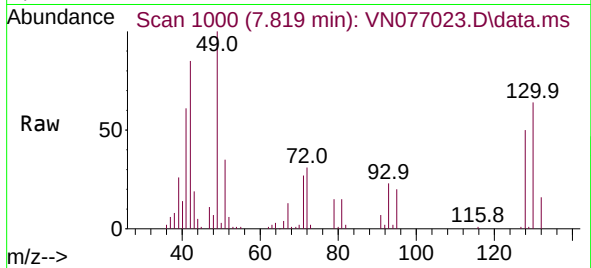
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	158671	25.290	ug/l	97
44) Isopropyl Acetate	8.695	43	292770m	28.786	ug/l	
45) 1,4-Dioxane	9.695	88	39086	456.822	ug/l	91
46) Methyl methacrylate	9.684	41	115377	23.295	ug/l	95
47) n-amyl Acetate	12.495	43	198253	23.953	ug/l	94
48) t-1,3-Dichloropropene	10.836	75	156813	22.337	ug/l	98
49) cis-1,3-Dichloropropene	10.313	75	178923	22.439	ug/l	89
50) 1,1,2-Trichloroethane	11.019	97	105371	21.031	ug/l	94
51) Ethyl methacrylate	10.878	69	157264	21.291	ug/l	96
52) 1,3-Dichloropropane	11.166	76	187386	21.653	ug/l	98
53) Dibromochloromethane	11.360	129	104998	20.542	ug/l	99
54) 1,2-Dibromoethane	11.472	107	101344	20.961	ug/l	98
55) 2-Chloroethyl vinyl ether	10.160	63	373908	144.379	ug/l	97
56) Bromoform	12.583	173	67899	19.856	ug/l	98
58) 4-Methyl-2-Pentanone	10.448	43	745434	118.925	ug/l	94
59) 2-Hexanone	11.195	43	540241	121.329	ug/l	94
61) Tetrachloroethene	11.107	164	81970	16.735	ug/l	93
62) Toluene	10.631	91	461410	21.581	ug/l	97
64) Chlorobenzene	11.895	112	268832	21.361	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.966	131	100717	21.307	ug/l	97
66) Ethyl Benzene	11.966	91	505153	21.762	ug/l	98
67) m/p-Xylenes	12.072	106	387735	44.097	ug/l	92
68) o-Xylene	12.401	106	189171	22.036	ug/l	98
69) Styrene	12.413	104	302158	21.703	ug/l	98
70) Isopropylbenzene	12.701	105	492301	22.041	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.942	83	156129	23.183	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	118864m	19.240	ug/l	
73) Bromobenzene	12.983	156	104428	20.718	ug/l	85
74) n-propylbenzene	13.036	91	583064	22.116	ug/l	98
75) 2-Chlorotoluene	13.124	91	353519	21.682	ug/l	96
76) 1,3,5-Trimethylbenzene	13.177	105	422748	21.867	ug/l	93
77) t-1,4-Dichloro-2-butene	12.742	75	46366	24.586	ug/l	95
78) 4-Chlorotoluene	13.224	91	340515	21.666	ug/l	91
79) tert-butylbenzene	13.442	119	342188	21.166	ug/l	94
80) 1,2,4-Trimethylbenzene	13.483	105	410598	21.612	ug/l	97
81) sec-Butylbenzene	13.619	105	511407	22.109	ug/l	97
82) p-Isopropyltoluene	13.730	119	406395	21.738	ug/l	97
83) 1,3-Dichlorobenzene	13.736	146	199101	21.349	ug/l	98
84) 1,4-Dichlorobenzene	13.813	146	191211	21.107	ug/l	95
85) n-Butylbenzene	14.060	91	344942	21.768	ug/l	97
86) Hexachloroethane	14.336	117	75284	22.554	ug/l	100
87) 1,2-Dichlorobenzene	14.107	146	195202	20.989	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.724	75	28494	21.723	ug/l	100
89) 1,2,4-Trichlorobenzene	15.395	180	97548	19.663	ug/l	98
90) Hexachlorobutadiene	15.501	225	50616	19.353	ug/l	96
91) Naphthalene	15.648	128	319909	20.331	ug/l	98
92) 1,2,3-Trichlorobenzene	15.848	180	97418	19.587	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

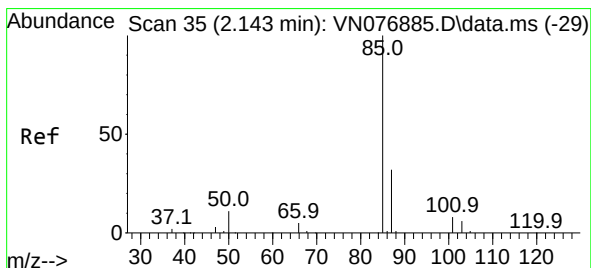
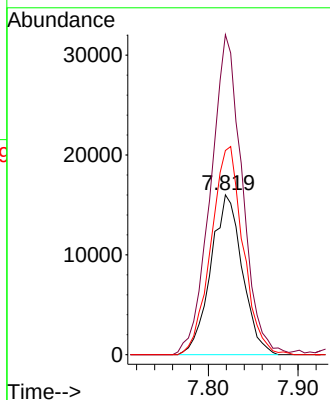
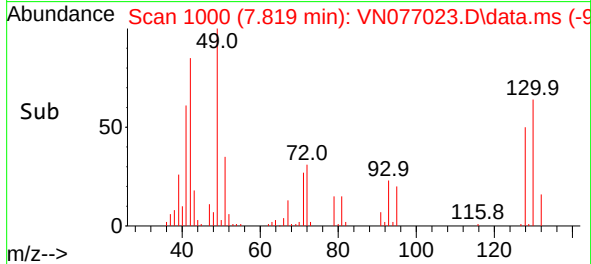
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 38990
Ion Ratio Lower Upper
128 100
49 201.0 0.0 461.8
130 132.1 0.0 295.3

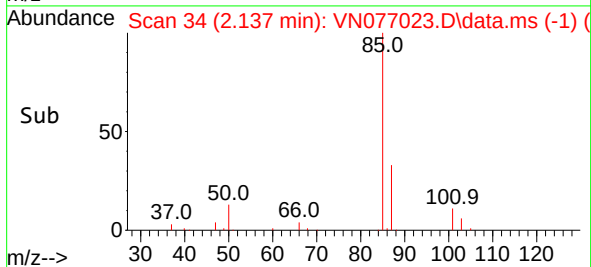
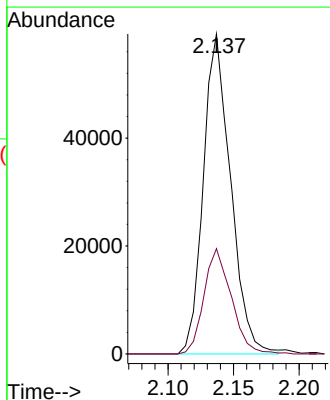
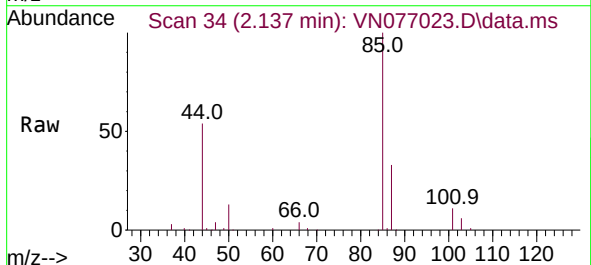
Manual Integrations
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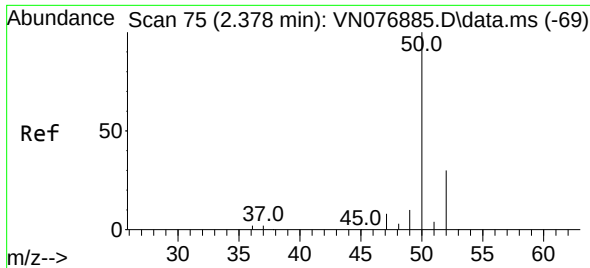
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#2
Dichlorodifluoromethane
Concen: 17.210 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 85 Resp: 85880
Ion Ratio Lower Upper
85 100
87 32.9 15.4 46.1





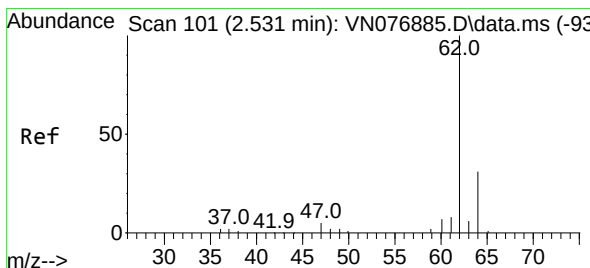
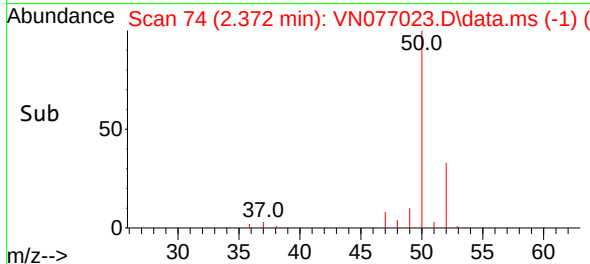
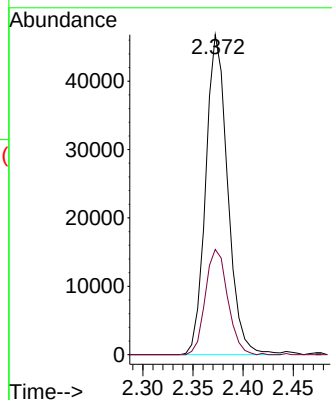
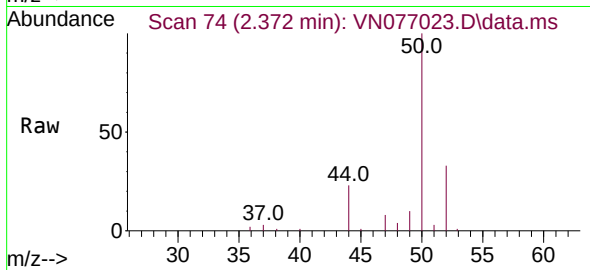
#3
Chloromethane
Concen: 15.663 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 7144
Ion Ratio Lower Upper
50 100
52 32.9 25.3 37.9

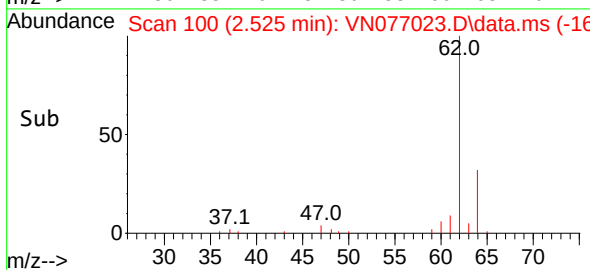
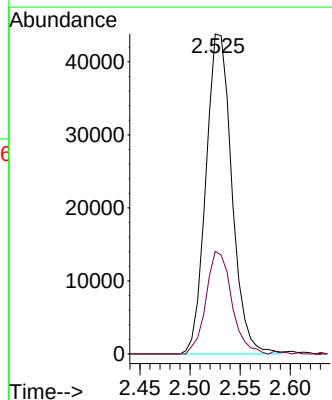
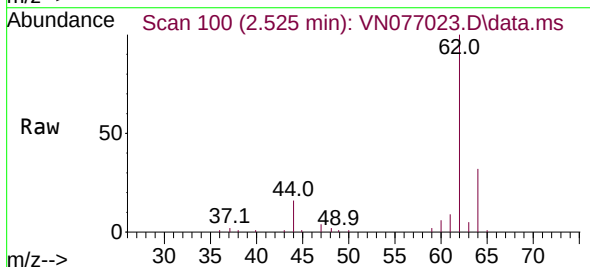
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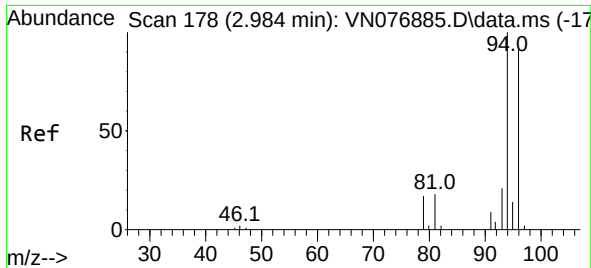
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#4
Vinyl Chloride
Concen: 19.000 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 62 Resp: 79024
Ion Ratio Lower Upper
62 100
64 32.0 23.1 34.7





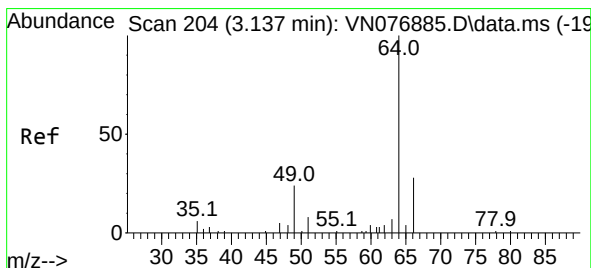
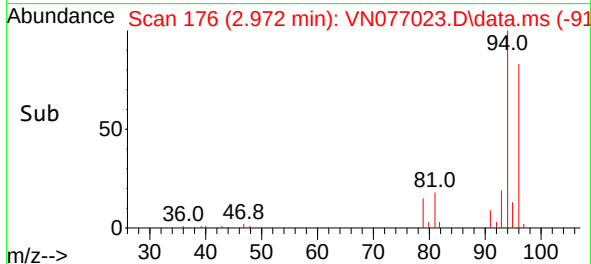
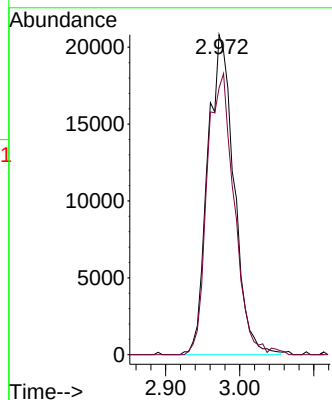
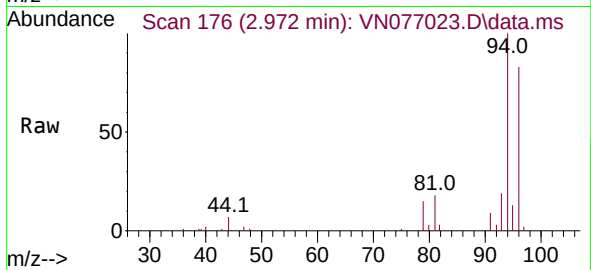
#5
Bromomethane
Concen: 19.238 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 51170
Ion Ratio Lower Upper
94 100
96 83.4 68.6 103.0

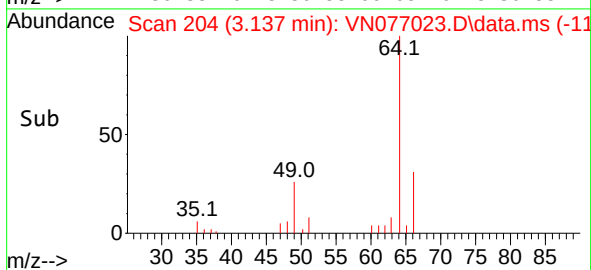
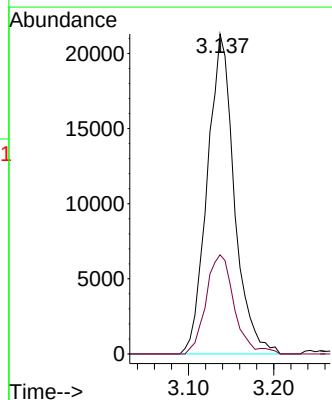
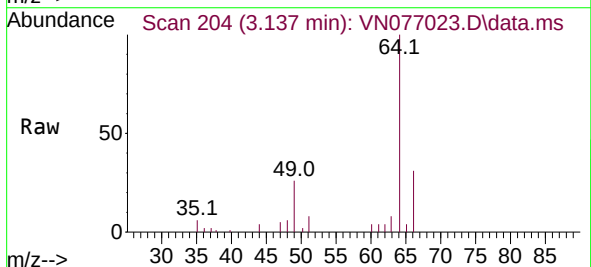
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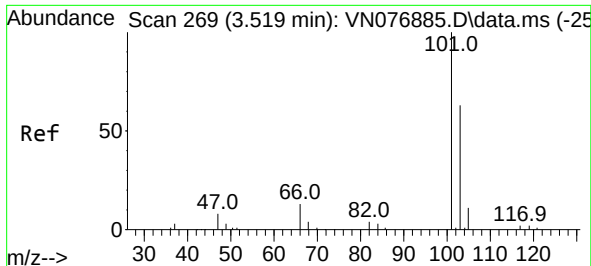
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#6
Chloroethane
Concen: 19.186 ug/l
RT: 3.137 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 64 Resp: 46892
Ion Ratio Lower Upper
64 100
66 31.0 23.8 35.6





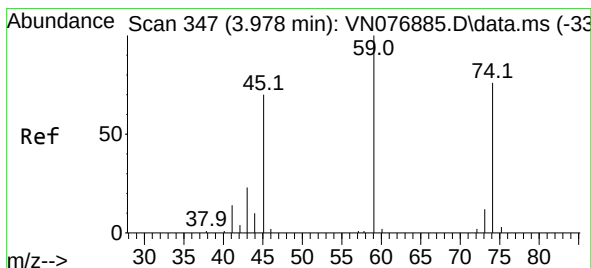
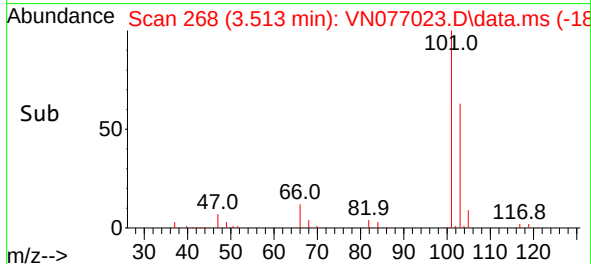
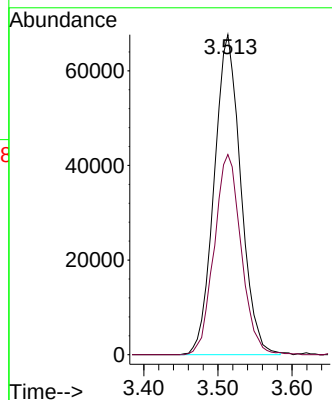
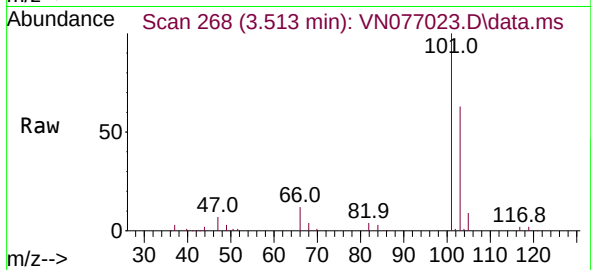
#7
 Trichlorofluoromethane
 Concen: 21.711 ug/l
 RT: 3.513 min Scan# 268
 Delta R.T. 0.000 min
 Lab File: VN077023.D
 Acq: 16 Mar 2023 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:101 Resp: 16869
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.2

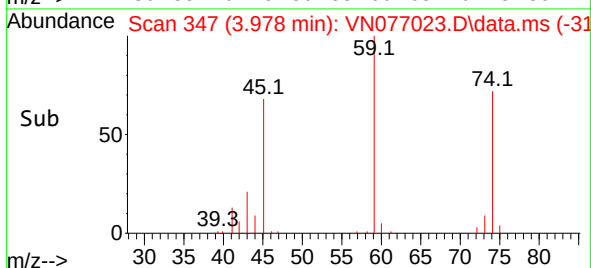
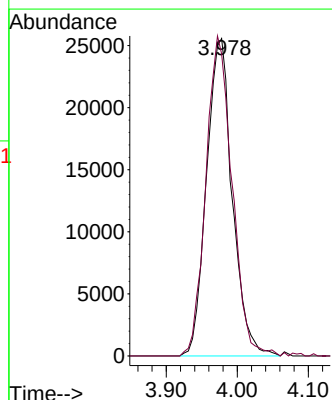
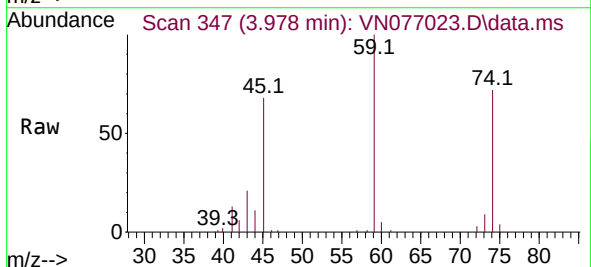
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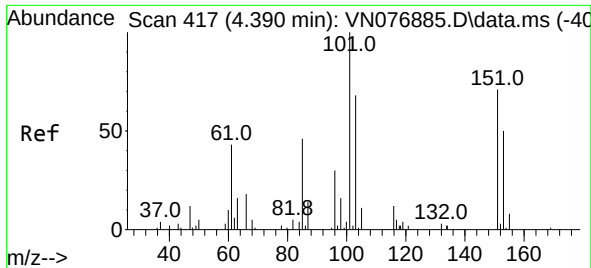
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023



#8
 Diethyl Ether
 Concen: 22.158 ug/l
 RT: 3.978 min Scan# 347
 Delta R.T. 0.006 min
 Lab File: VN077023.D
 Acq: 16 Mar 2023 16:46

Tgt Ion: 74 Resp: 64567
 Ion Ratio Lower Upper
 74 100
 45 101.9 21.4 193.0





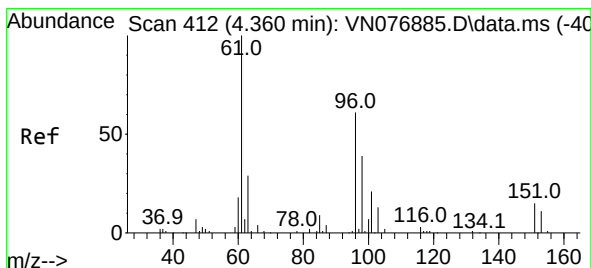
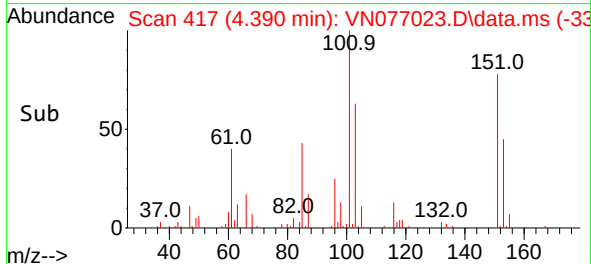
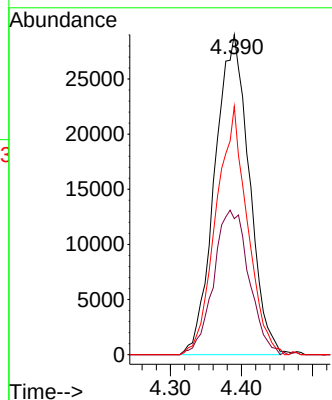
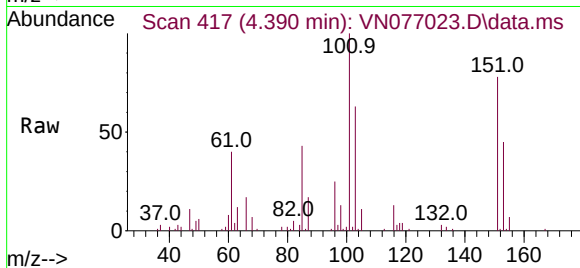
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.107 ug/l
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 97312
Ion Ratio Lower Upper
101 100
85 46.4 0.0 95.2
151 70.8 0.0 142.2

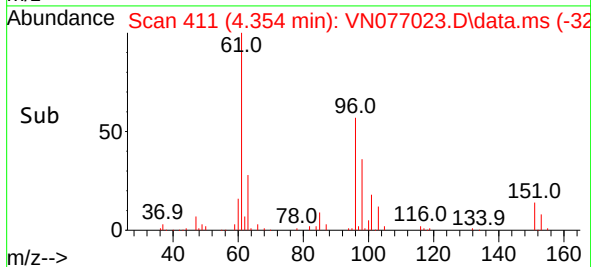
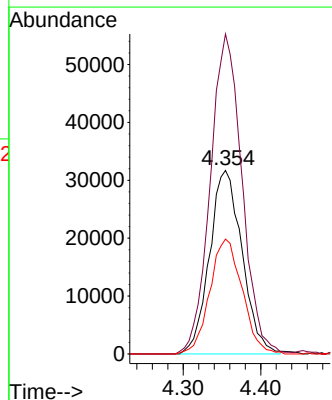
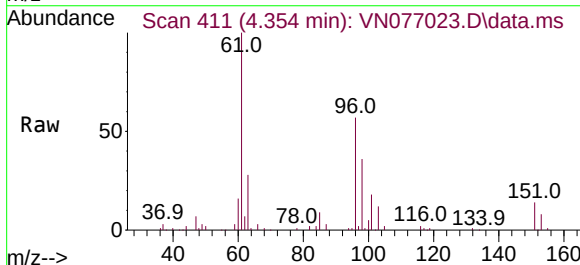
Manual Integrations
APPROVED

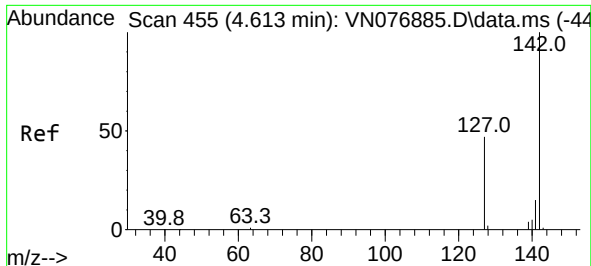
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#10
1,1-Dichloroethene
Concen: 21.680 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

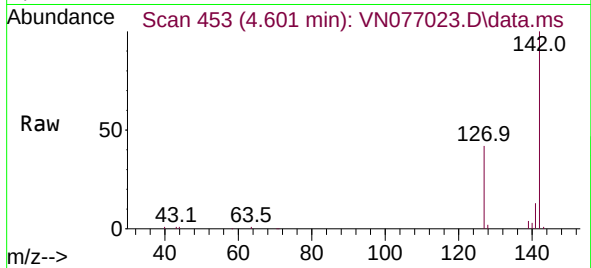
Tgt Ion: 96 Resp: 92626
Ion Ratio Lower Upper
96 100
61 173.0 137.1 205.7
98 61.8 53.2 79.8





#11
Methyl Iodide
Concen: 22.711 ug/l
RT: 4.601 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

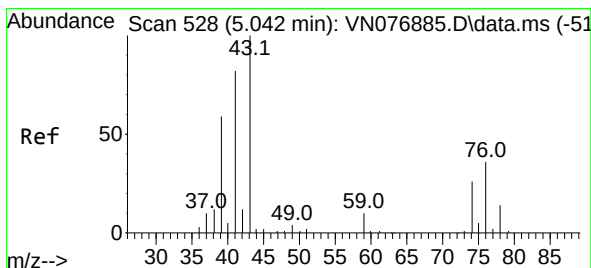
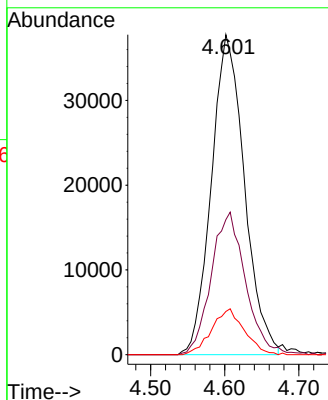
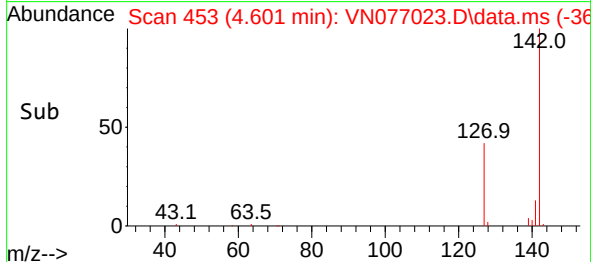
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



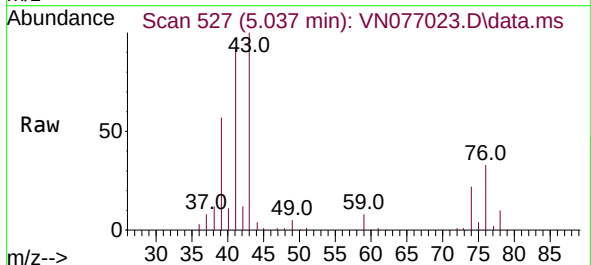
Tgt Ion:142 Resp: 116920
Ion Ratio Lower Upper
142 100
127 41.5 25.0 75.0
141 13.7 8.0 24.0

Manual Integrations
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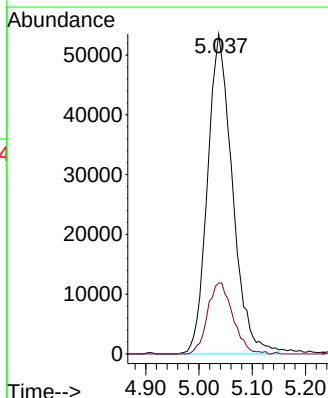
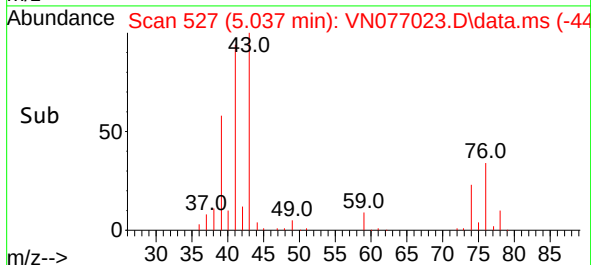
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

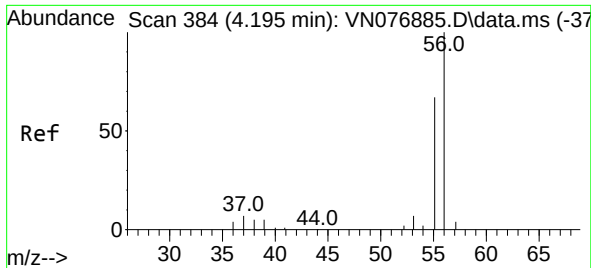


#12
Methyl Acetate
Concen: 24.771 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



Tgt Ion: 43 Resp: 174067
Ion Ratio Lower Upper
43 100
74 22.2 19.0 28.4





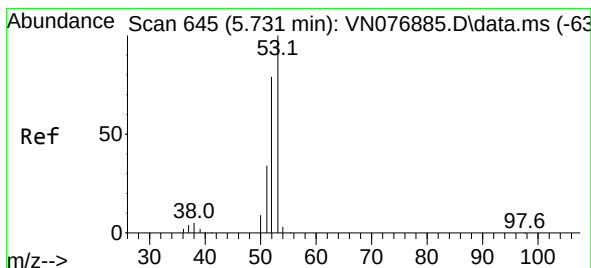
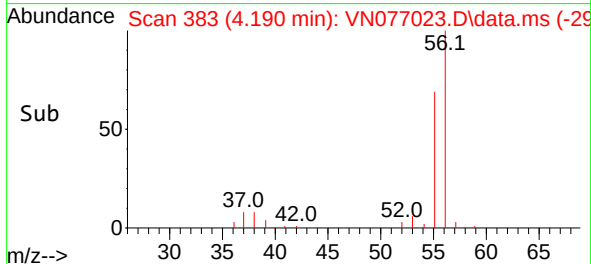
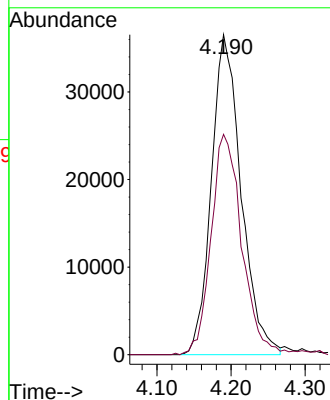
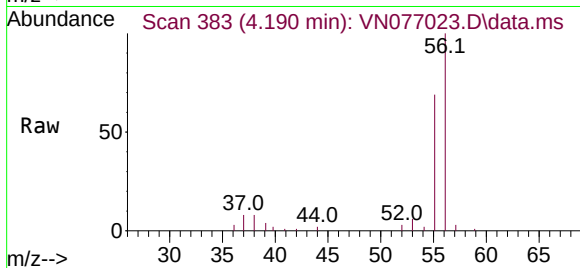
#13
Acrolein
Concen: 98.079 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 10189
Ion Ratio Lower Upper
56 100
55 70.8 55.0 82.4

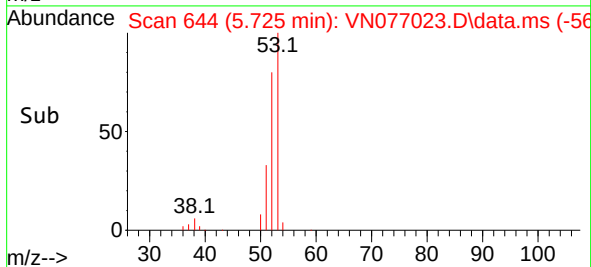
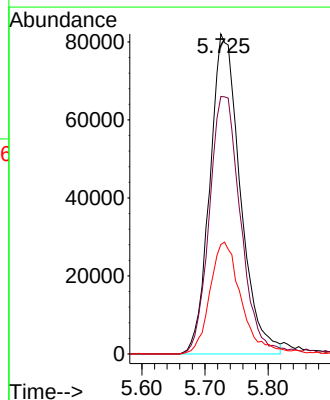
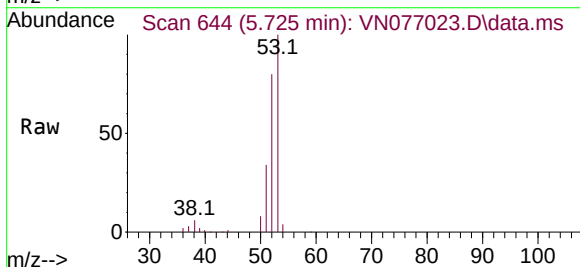
Manual Integrations
APPROVED

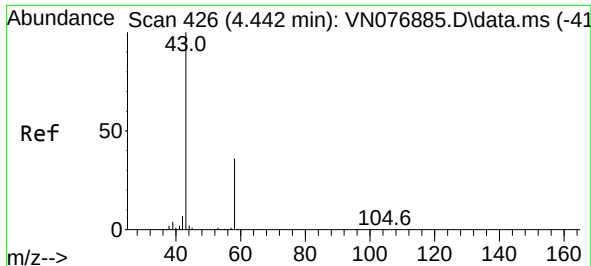
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#14
Acrylonitrile
Concen: 118.476 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.012 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 53 Resp: 274257
Ion Ratio Lower Upper
53 100
52 81.7 41.5 124.6
51 35.9 17.6 52.8





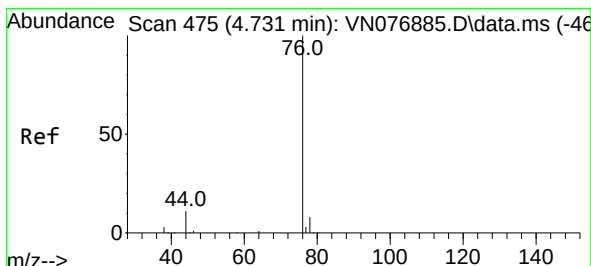
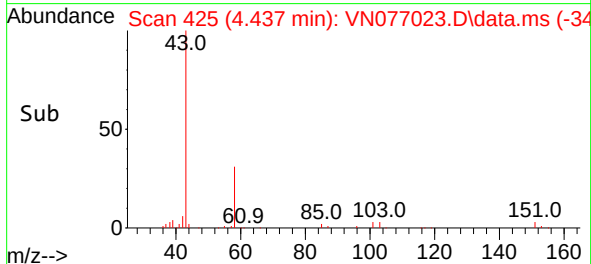
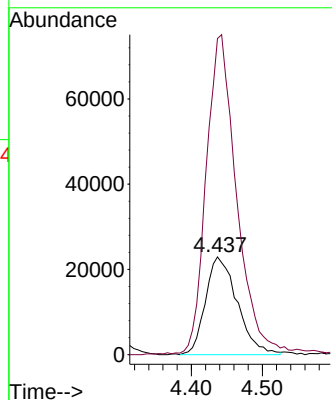
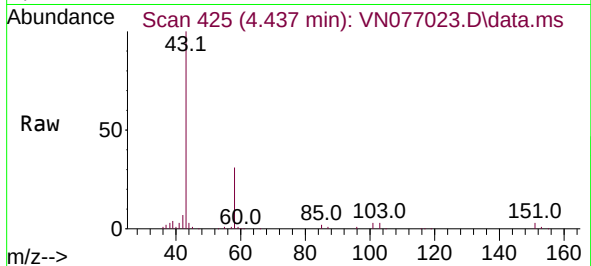
#15
Acetone
Concen: 113.228 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 58 Resp: 7133
Ion Ratio Lower Upper
58 100
43 321.7 255.4 383.0

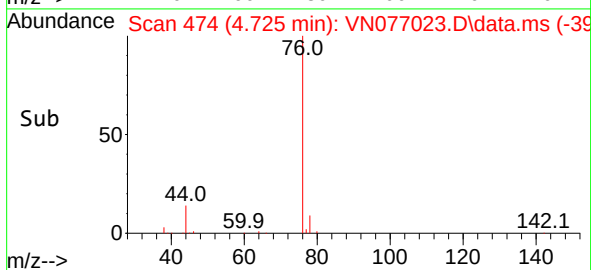
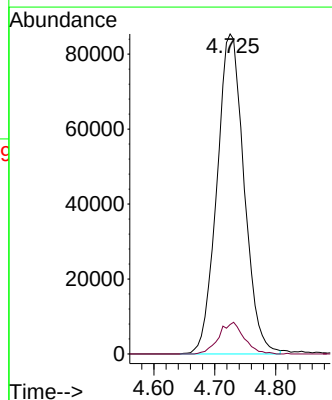
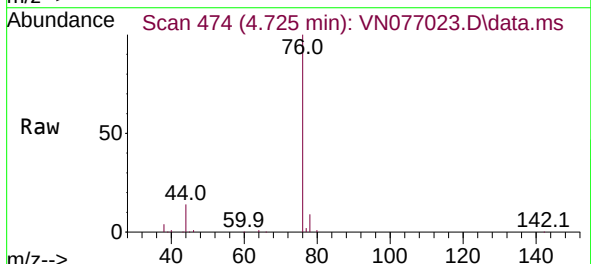
Manual Integrations
APPROVED

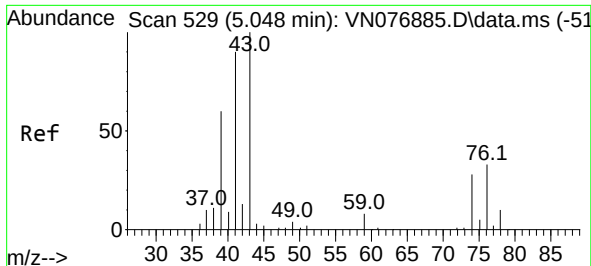
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#16
Carbon Disulfide
Concen: 22.329 ug/l
RT: 4.725 min Scan# 474
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

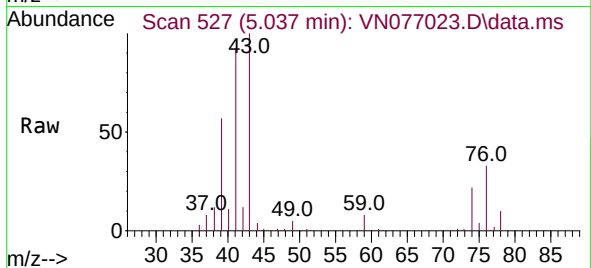
Tgt Ion: 76 Resp: 264523
Ion Ratio Lower Upper
76 100
78 9.2 6.6 9.8





#17
 Allyl chloride
 Concen: 24.886 ug/l m
 RT: 5.037 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN077023.D
 Acq: 16 Mar 2023 16:46

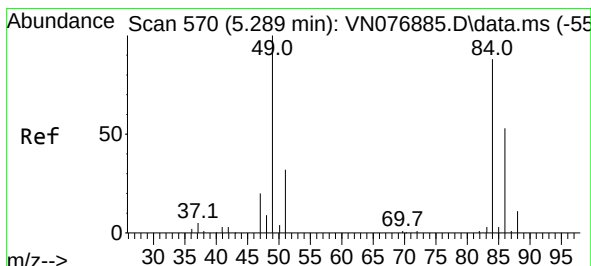
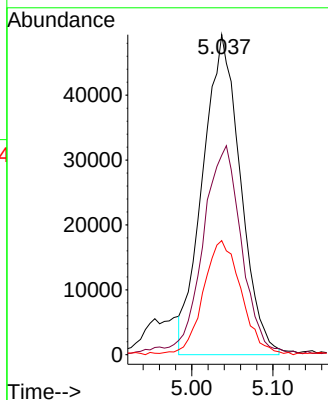
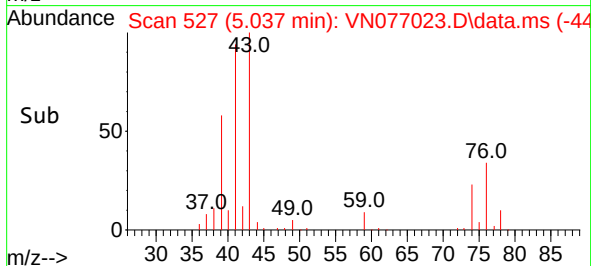
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 159479
 Ion Ratio Lower Upper
 41 100
 39 62.3 34.8 104.3
 76 35.7 17.5 52.5

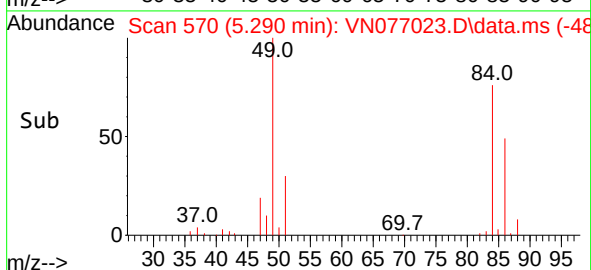
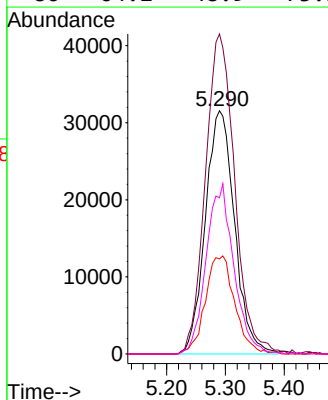
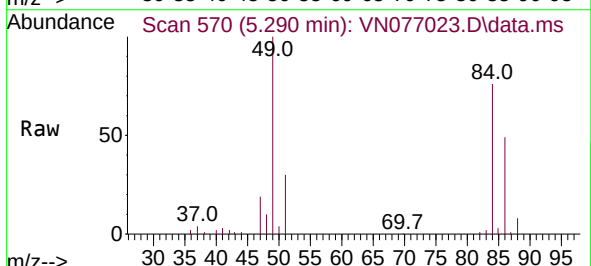
Manual Integrations
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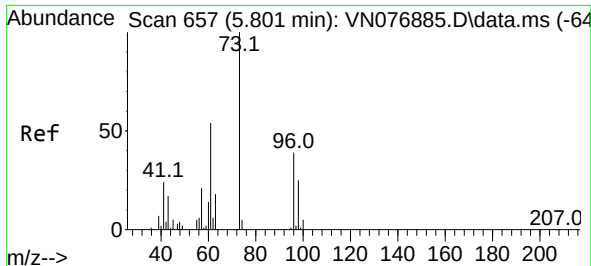
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023



#18
 Methylene Chloride
 Concen: 21.804 ug/l
 RT: 5.290 min Scan# 570
 Delta R.T. -0.005 min
 Lab File: VN077023.D
 Acq: 16 Mar 2023 16:46

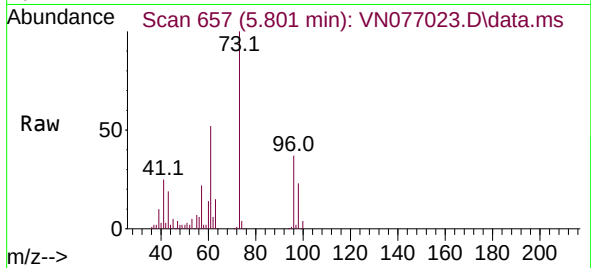
Tgt Ion: 84 Resp: 108966
 Ion Ratio Lower Upper
 84 100
 49 131.6 113.8 170.6
 51 39.1 34.2 51.4
 86 64.2 48.9 73.3





#19
trans-1,2-Dichloroethene
Concen: 22.138 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

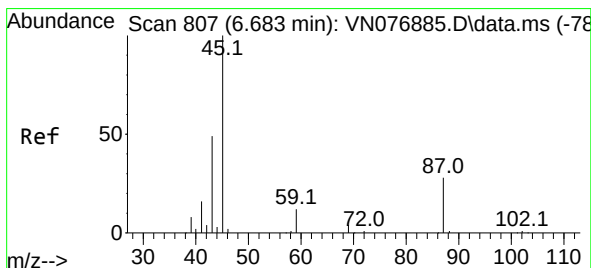
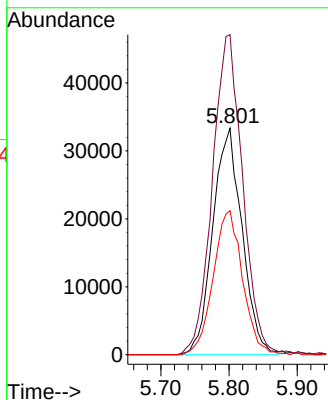
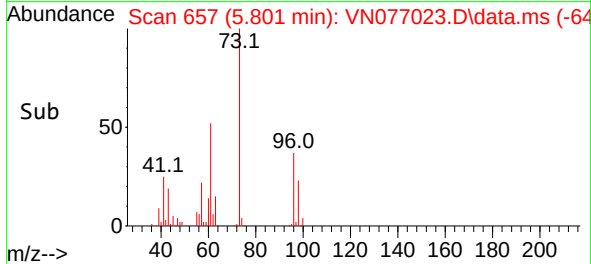
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



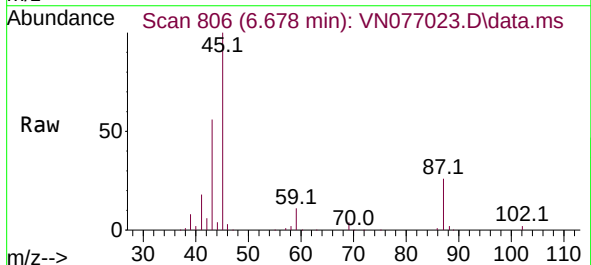
Tgt Ion: 96 Resp: 9966
Ion Ratio Lower Upper
96 100
61 141.3 111.0 166.4
98 63.6 55.0 82.6

Manual Integrations
APPROVED

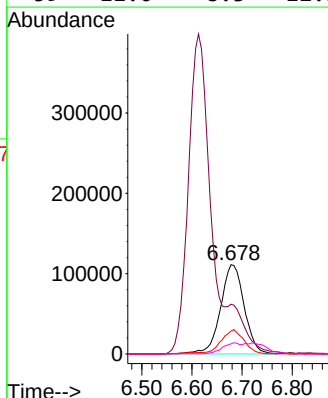
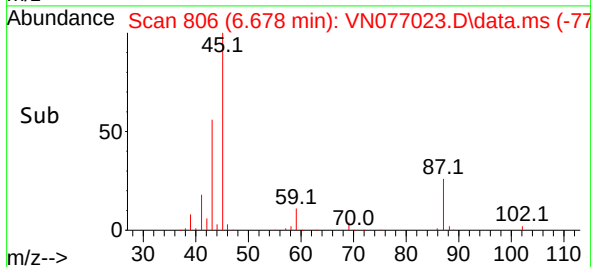
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

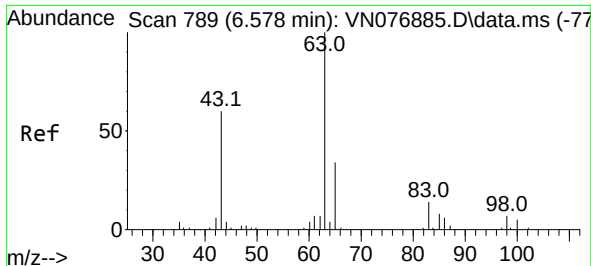


#20
Diisopropyl ether
Concen: 25.210 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.011 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



Tgt Ion: 45 Resp: 364452
Ion Ratio Lower Upper
45 100
43 53.7 38.6 58.0
87 25.4 20.1 30.1
59 11.0 8.3 12.5





#21

1,1-Dichloroethane

Concen: 23.878 ug/l

RT: 6.578 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 205420

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

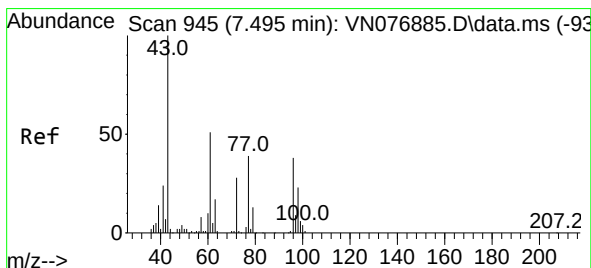
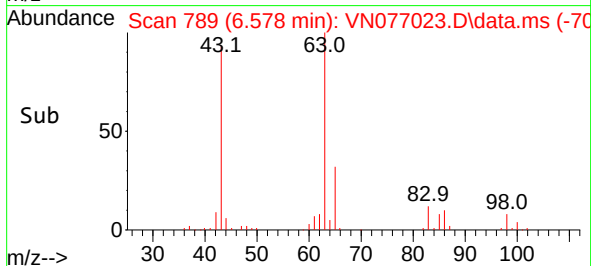
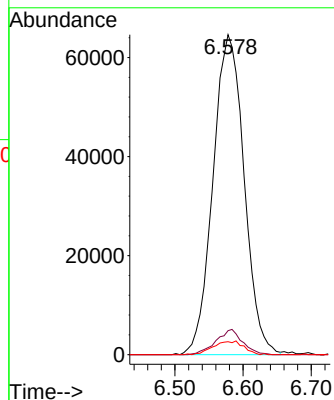
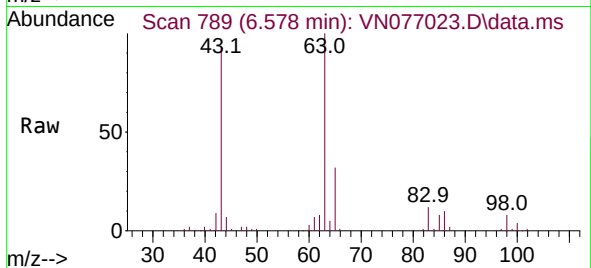
100 4.1 2.6 7.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#22

cis-1,2-Dichloroethene

Concen: 22.456 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

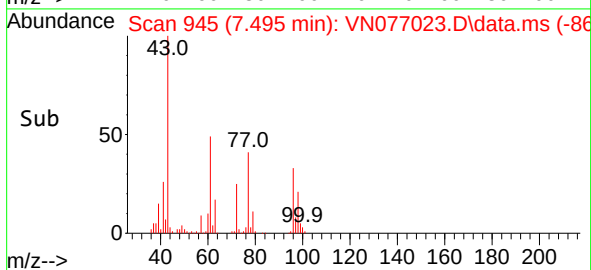
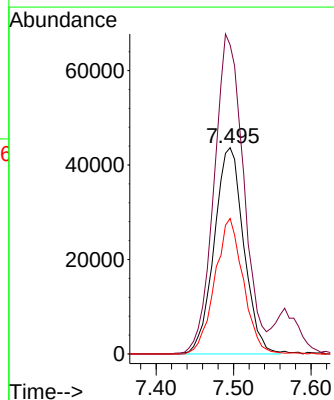
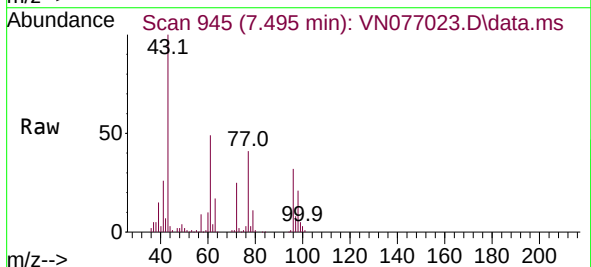
Tgt Ion: 96 Resp: 115852

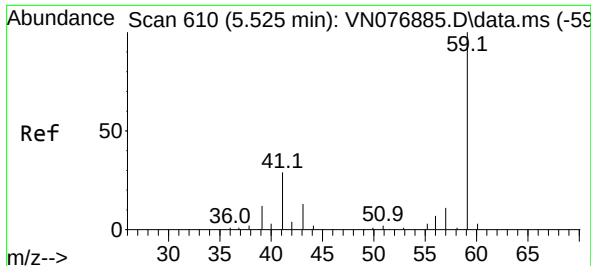
Ion Ratio Lower Upper

96 100

61 154.9 121.0 181.4

98 63.1 50.1 75.1





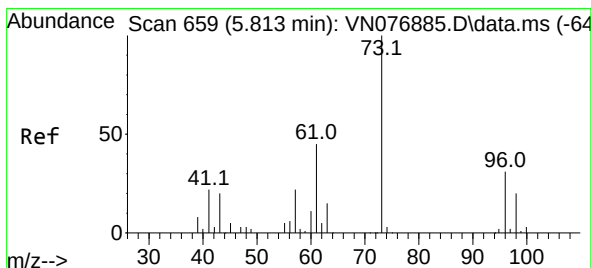
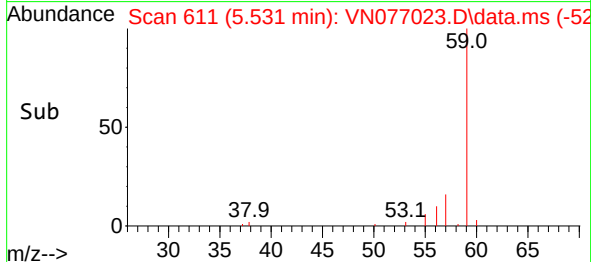
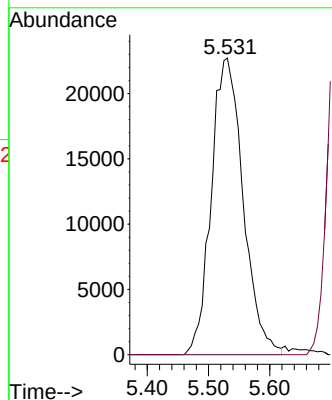
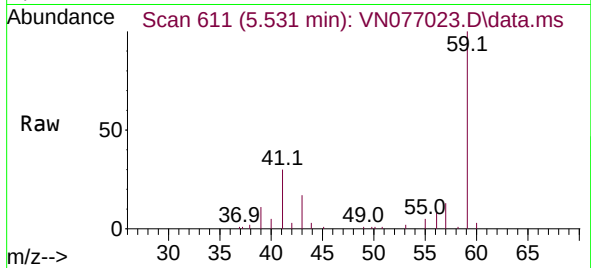
#23
tert-Butyl Alcohol
Concen: 122.316 ug/l m
RT: 5.531 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 8223
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2

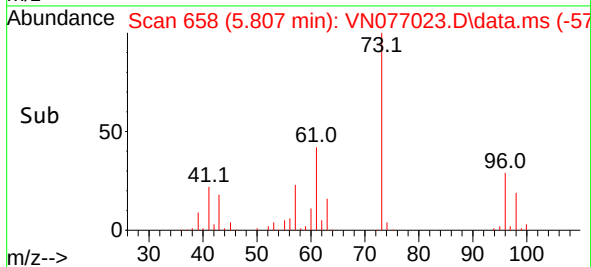
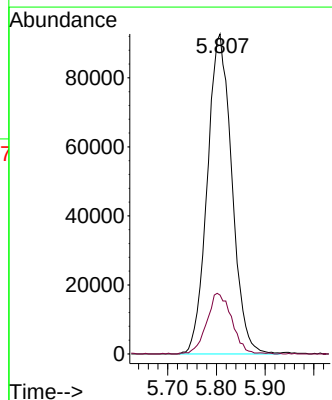
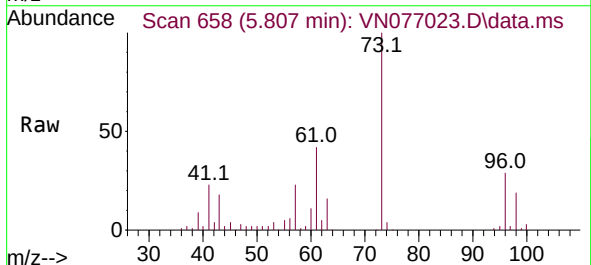
Manual Integrations
APPROVED

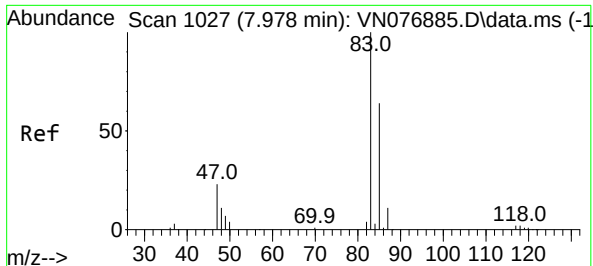
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#24
Methyl tert-Butyl Ether
Concen: 23.291 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 73 Resp: 324434
Ion Ratio Lower Upper
73 100
43 19.2 17.8 26.6





#25

Chloroform

Concen: 22.606 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 199780

Ion Ratio Lower Upper

83 100

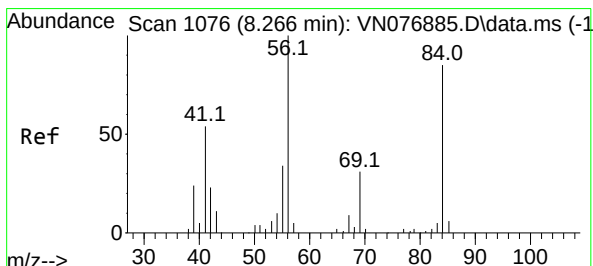
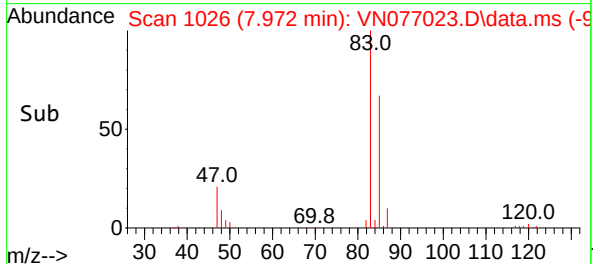
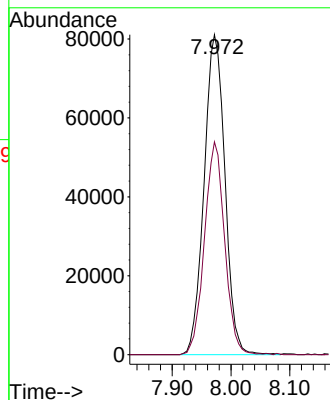
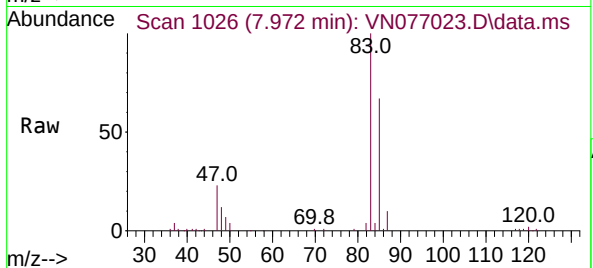
85 66.5 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#26

Cyclohexane

Concen: 22.879 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.006 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

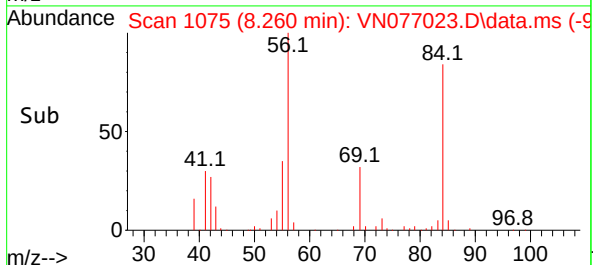
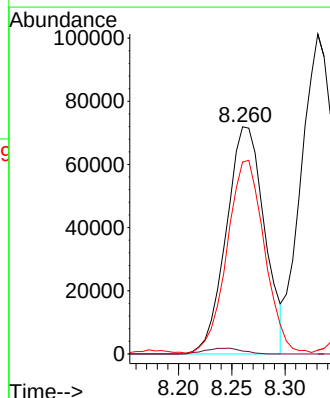
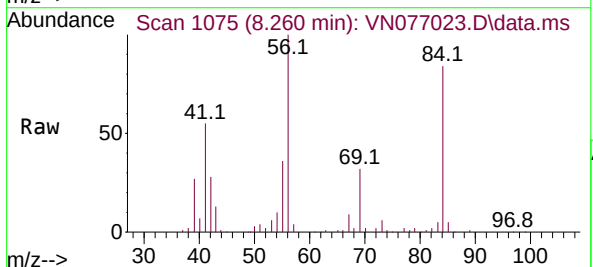
Tgt Ion: 56 Resp: 179706

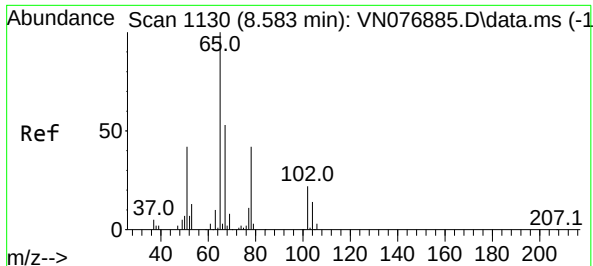
Ion Ratio Lower Upper

56 100

89 2.5 0.0 0.0#

84 83.8 65.3 97.9





#27

1,2-Dichloroethane-d4

Concen: 32.532 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 116604

Ion Ratio Lower Upper

65 100

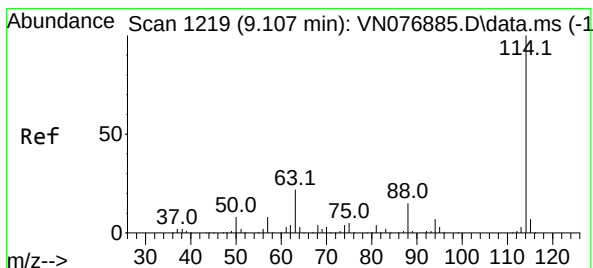
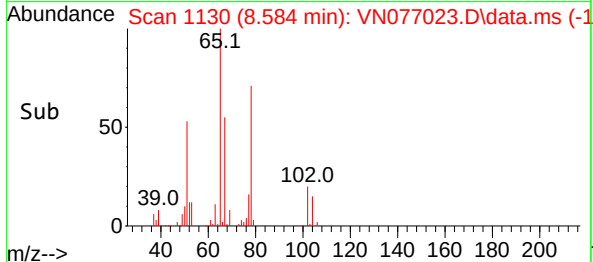
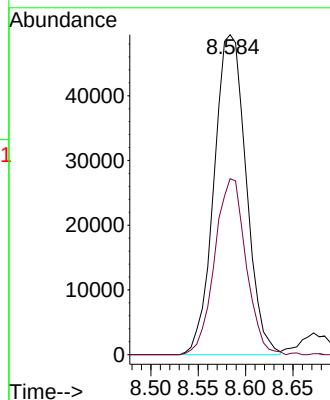
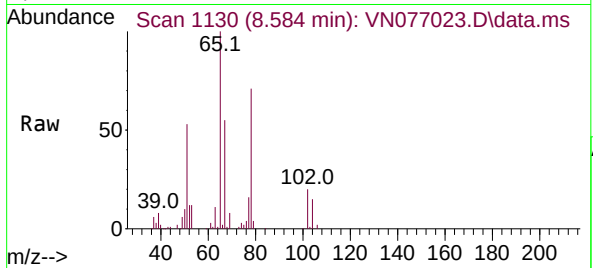
67 53.6 40.9 61.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

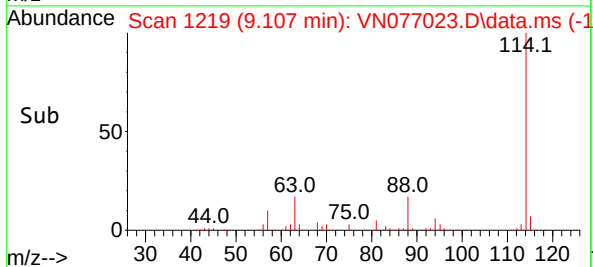
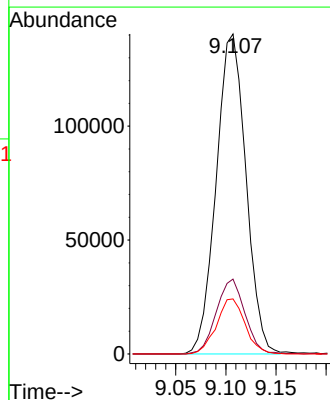
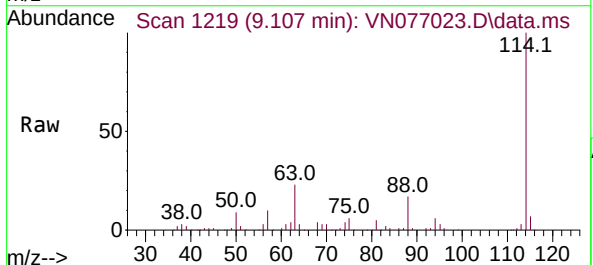
Tgt Ion:114 Resp: 289347

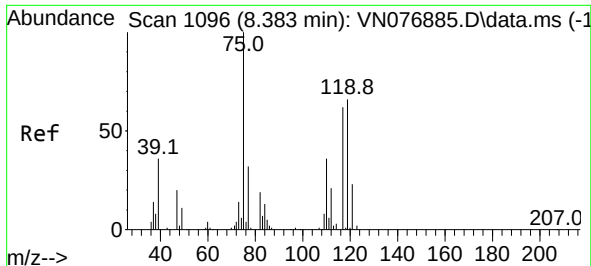
Ion Ratio Lower Upper

114 100

63 22.4 17.0 25.4

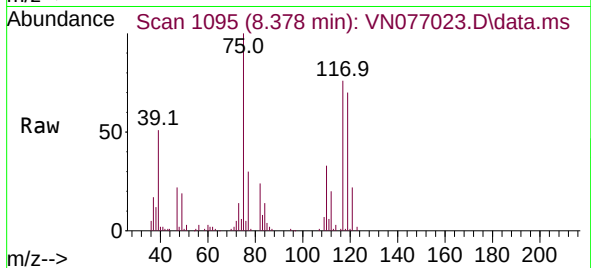
88 16.6 11.6 17.4





#29
1,1-Dichloropropene
Concen: 21.765 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

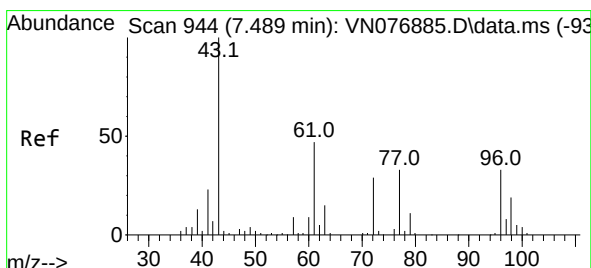
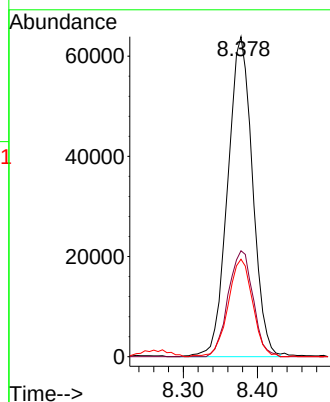
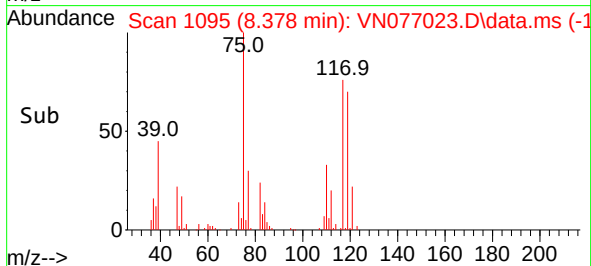
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



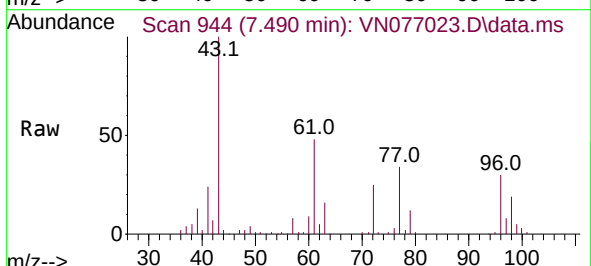
Tgt Ion: 75 Resp: 14833
Ion Ratio Lower Upper
75 100
110 33.1 0.0 67.2
77 29.9 0.0 64.4

Manual Integrations
APPROVED

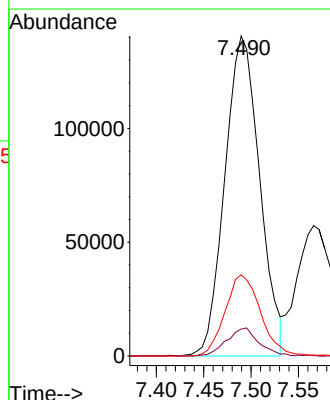
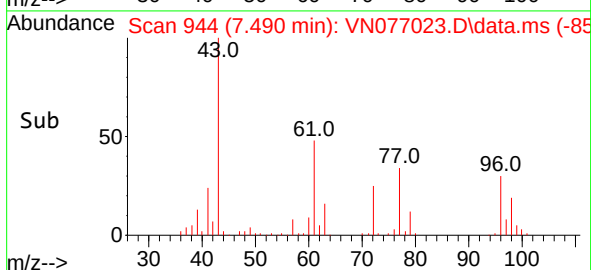
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

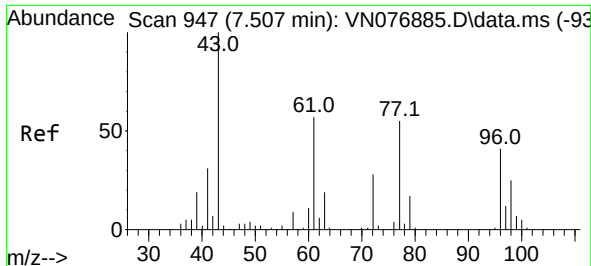


#30
2-Butanone
Concen: 115.906 ug/l
RT: 7.490 min Scan# 944
Delta R.T. 0.001 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



Tgt Ion: 43 Resp: 360393
Ion Ratio Lower Upper
43 100
57 8.0 6.1 9.1
72 25.8 20.2 30.4





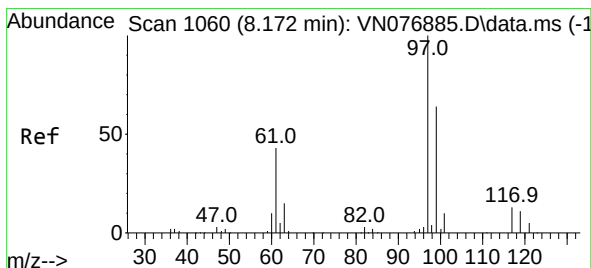
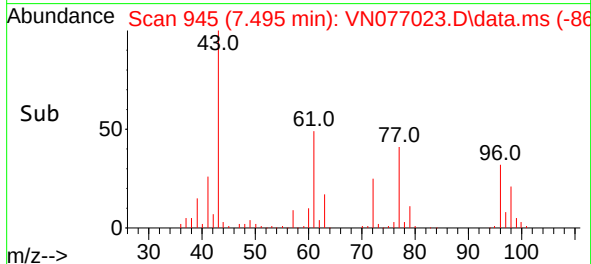
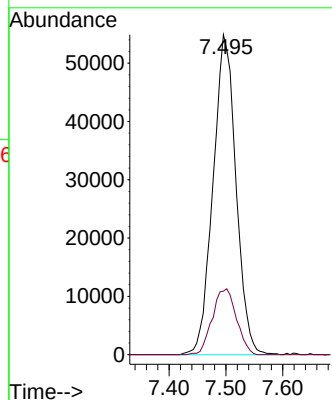
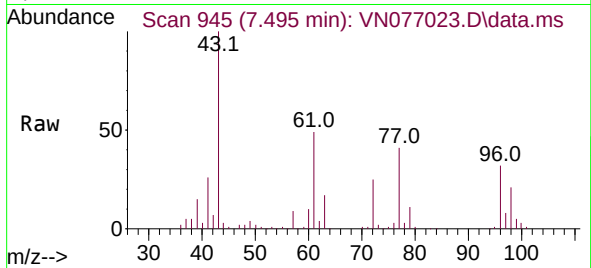
#31
2,2-Dichloropropane
Concen: 22.814 ug/l
RT: 7.495 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 154044
Ion Ratio Lower Upper
77 100
97 21.7 7.2 10.8

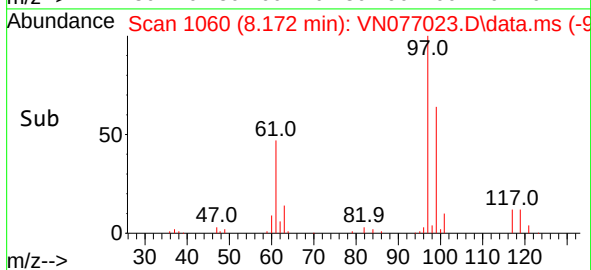
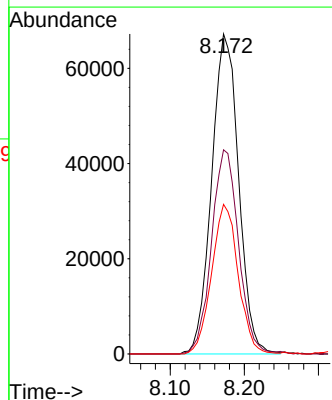
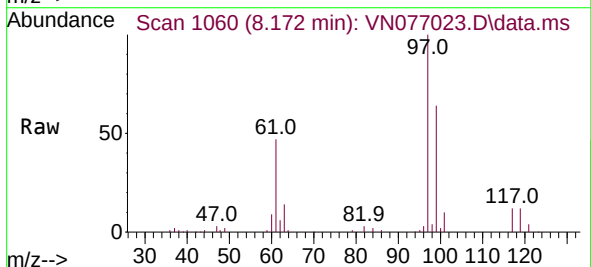
Manual Integrations
APPROVED

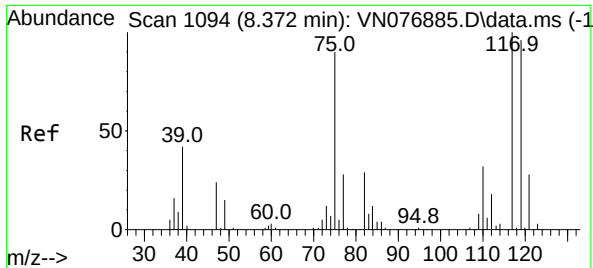
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#32
1,1,1-Trichloroethane
Concen: 21.375 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

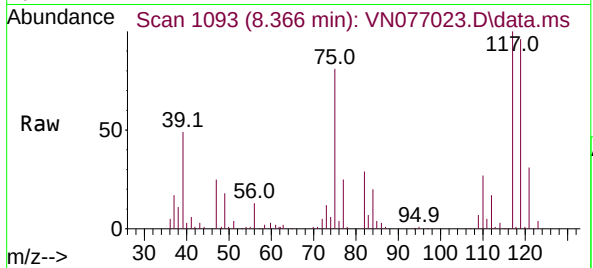
Tgt Ion: 97 Resp: 169923
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 46.1 39.3 58.9





#33
Carbon Tetrachloride
Concen: 20.388 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

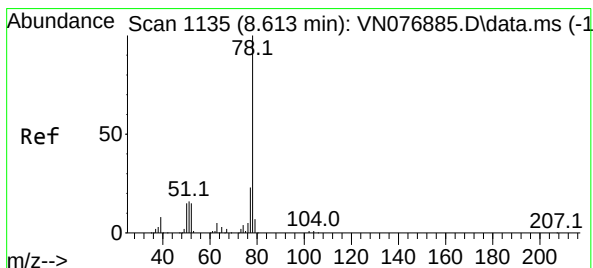
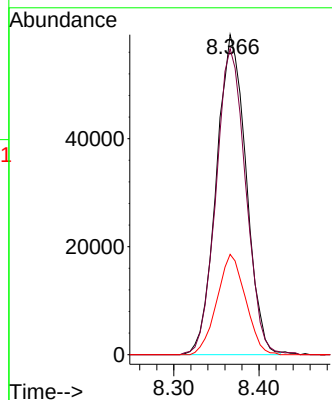
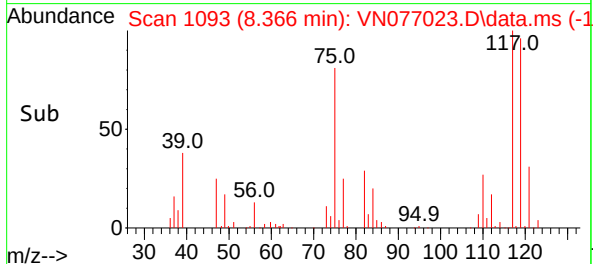
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



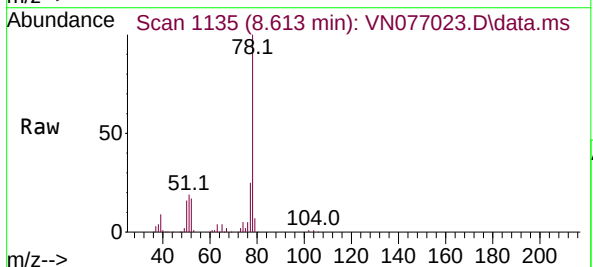
Tgt Ion:117 Resp: 143300
Ion Ratio Lower Upper
117 100
119 95.6 79.8 119.8
121 31.4 23.4 35.0

Manual Integrations
APPROVED

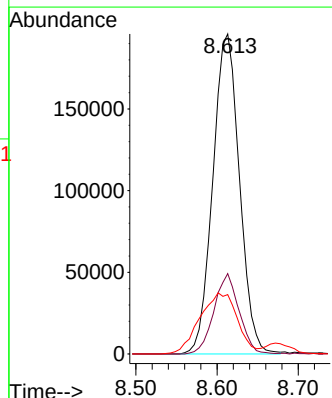
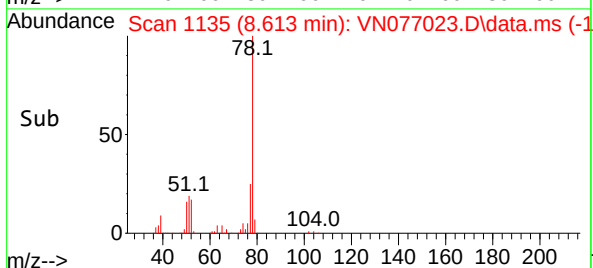
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

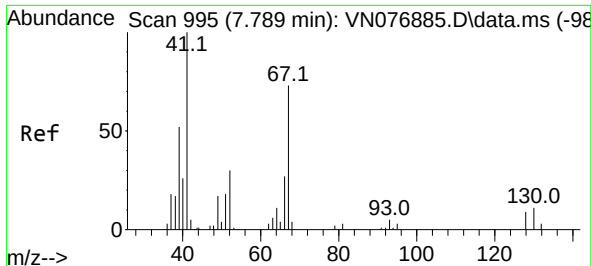


#34
Benzene
Concen: 21.401 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



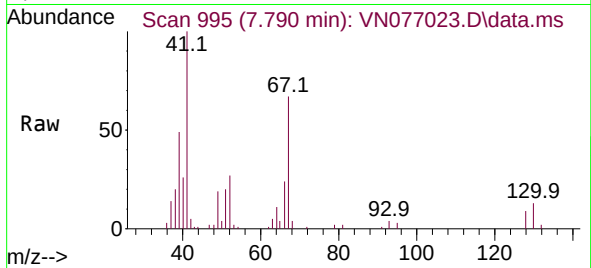
Tgt Ion: 78 Resp: 447147
Ion Ratio Lower Upper
78 100
77 25.1 17.4 26.2
51 17.1 13.8 20.6





#35
Methacrylonitrile
Concen: 18.529 ug/l m
RT: 7.790 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

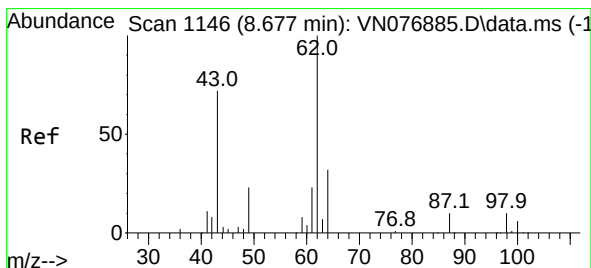
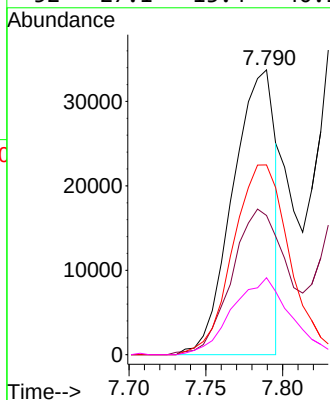
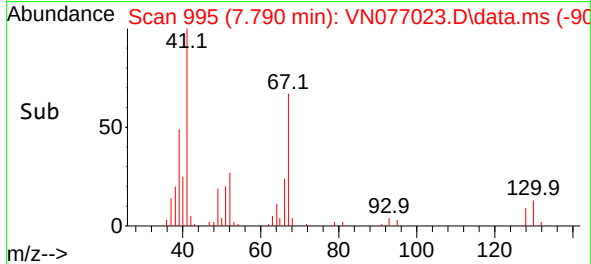
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



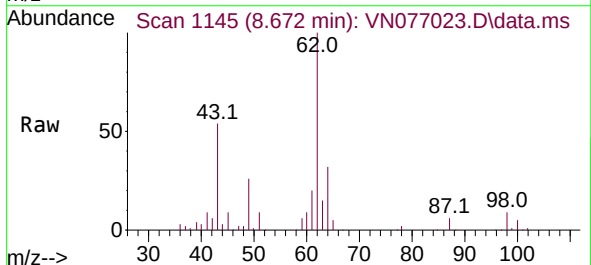
Tgt Ion: 41 Resp: 64830
Ion Ratio Lower Upper
41 100
39 48.9 26.6 79.7
67 66.6 32.3 96.9
52 27.1 13.4 40.1

Manual Integrations
APPROVED

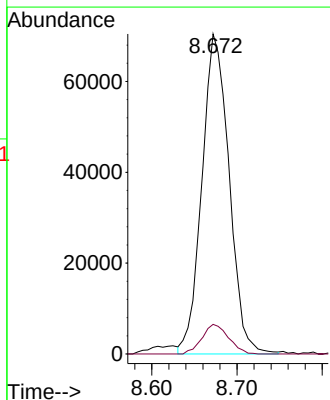
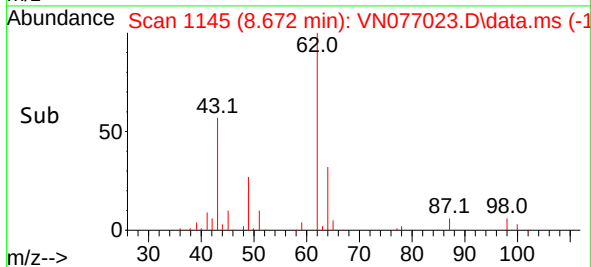
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

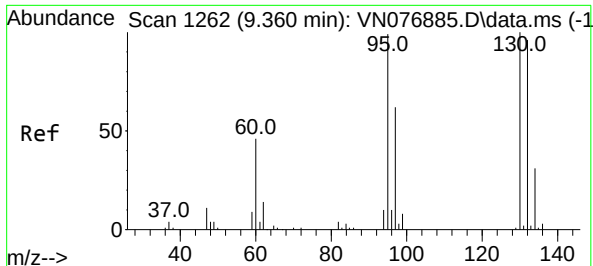


#36
1,2-Dichloroethane
Concen: 22.308 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



Tgt Ion: 62 Resp: 156232
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#37
Trichloroethene
Concen: 19.145 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

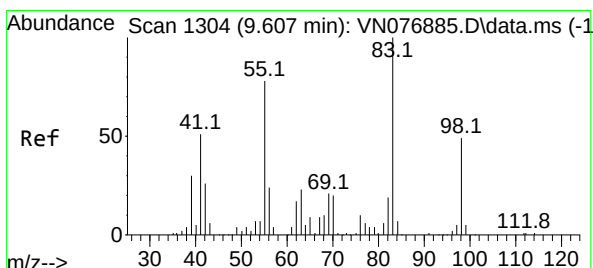
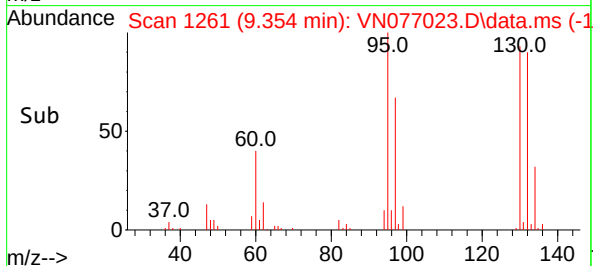
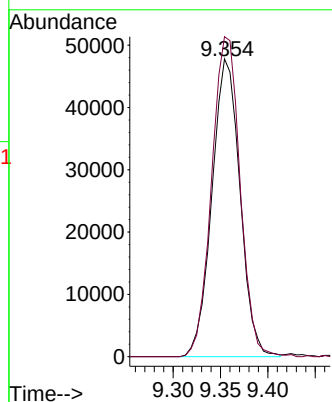
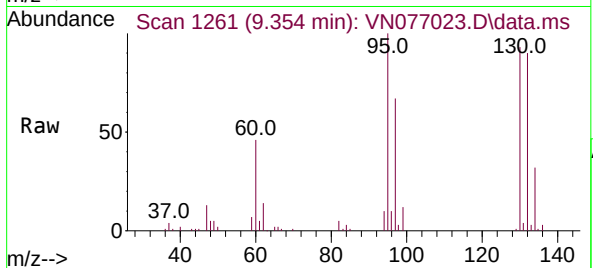
VSTDCCC020EC

Tgt Ion:130 Resp: 9858
Ion Ratio Lower Upper
130 100
95 107.4 78.7 118.1

Manual Integrations

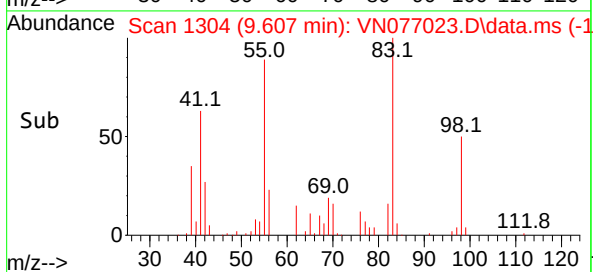
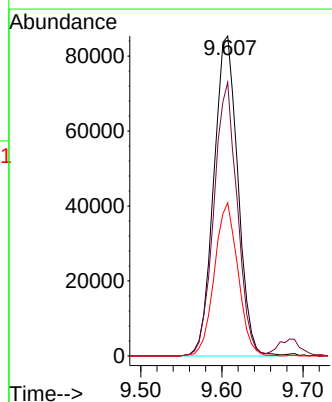
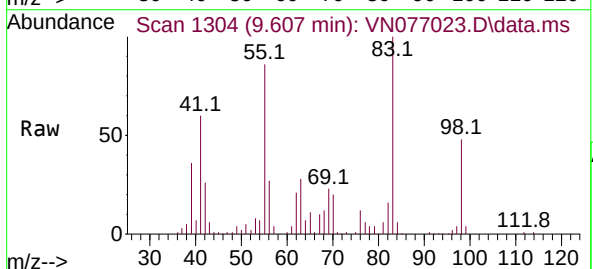
APPROVED

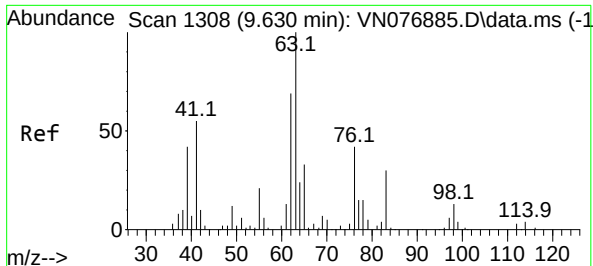
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#38
Methylcyclohexane
Concen: 20.773 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 83 Resp: 176219
Ion Ratio Lower Upper
83 100
55 82.8 37.6 112.9
98 46.8 24.1 72.4





#39

1,2-Dichloropropane

Concen: 22.087 ug/l

RT: 9.625 min Scan# 11857

Delta R.T. -0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 11857

Ion Ratio Lower Upper

63 100

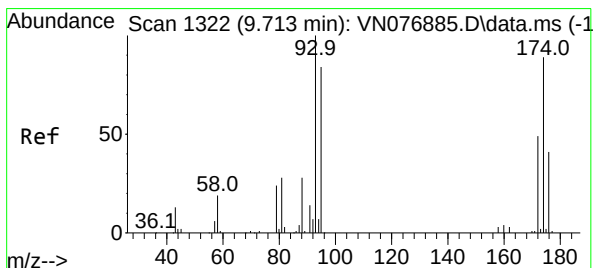
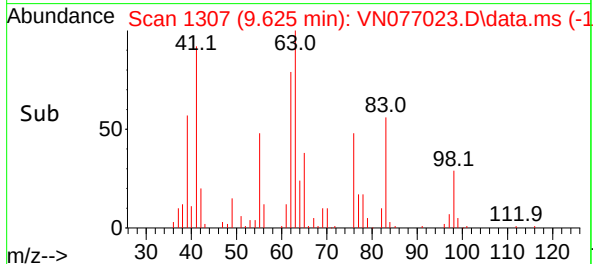
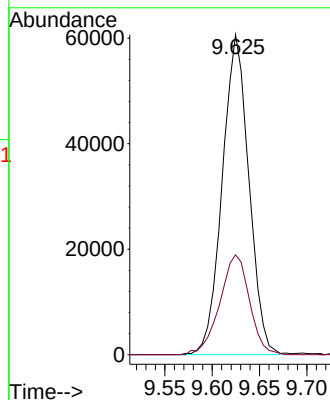
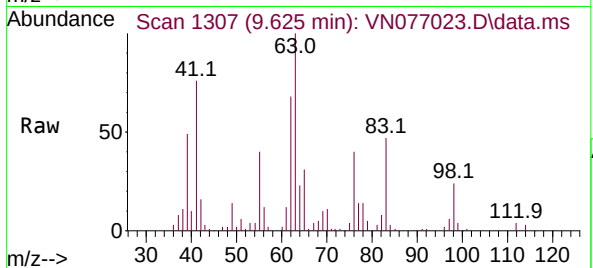
65 31.2 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#40

Dibromomethane

Concen: 21.504 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. -0.006 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

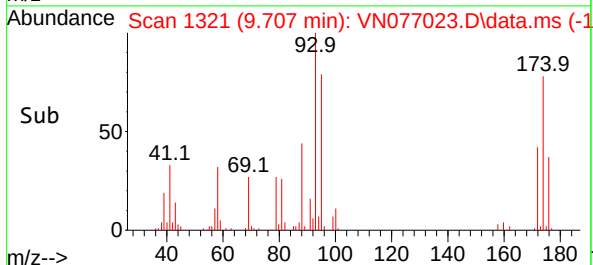
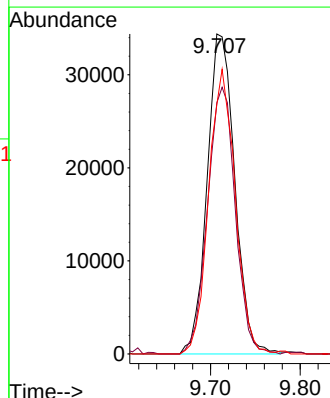
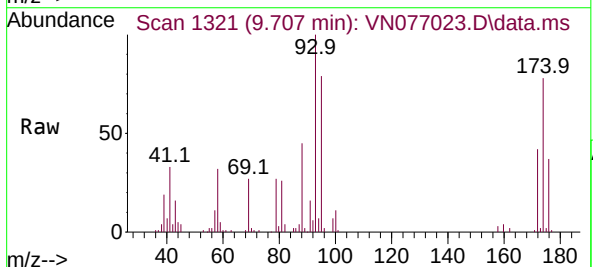
Tgt Ion: 93 Resp: 73544

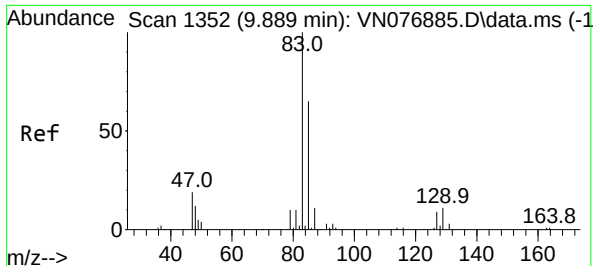
Ion Ratio Lower Upper

93 100

95 83.6 0.0 158.0

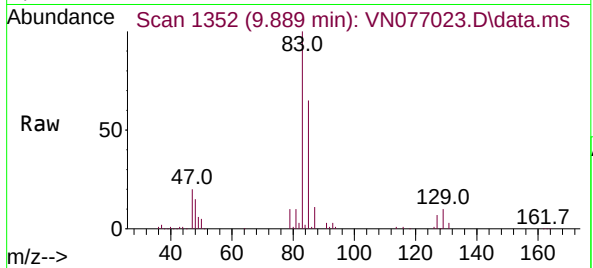
174 85.5 0.0 171.2





#41
Bromodichloromethane
Concen: 21.606 ug/l
RT: 9.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

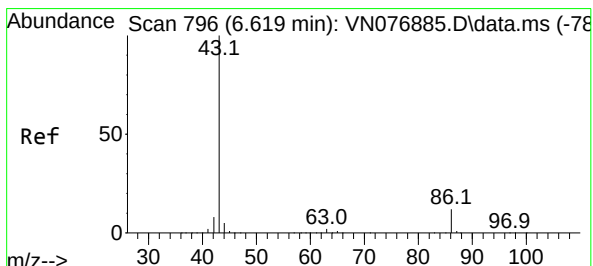
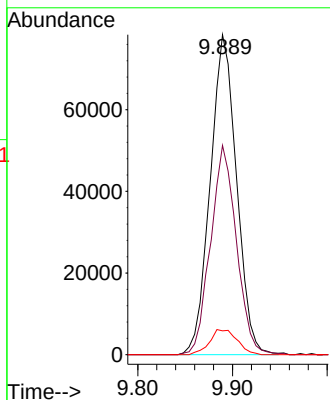
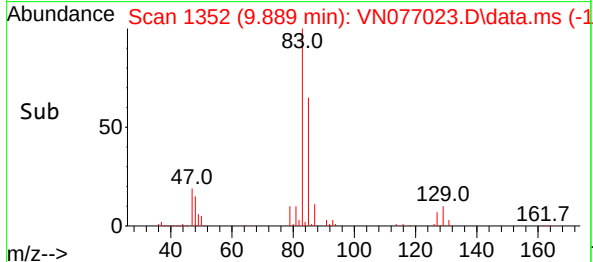
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



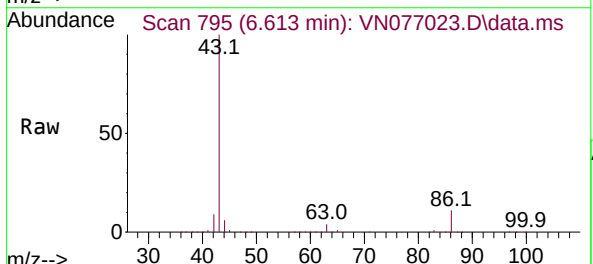
Tgt Ion: 83 Resp: 151435
Ion Ratio Lower Upper
83 100
85 65.4 51.0 76.4
127 7.4 6.2 9.2

Manual Integrations
APPROVED

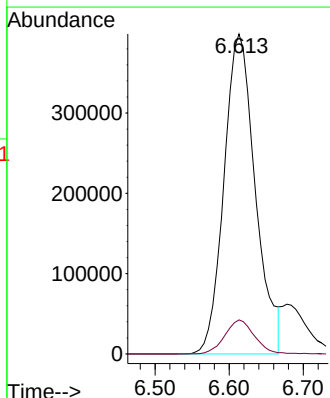
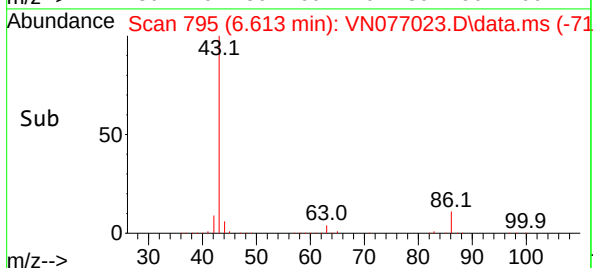
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

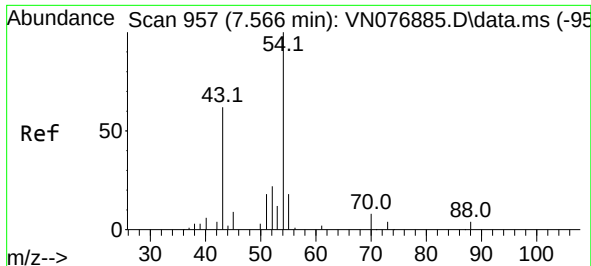


#42
Vinyl Acetate
Concen: 120.889 ug/l
RT: 6.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



Tgt Ion: 43 Resp: 1171705
Ion Ratio Lower Upper
43 100
86 9.9 7.8 11.6





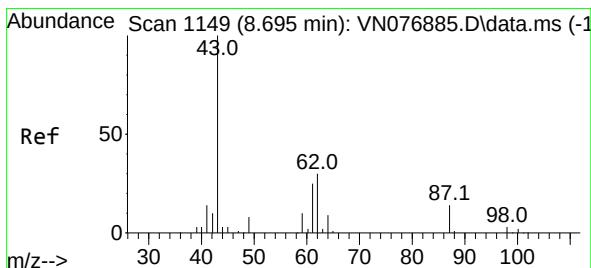
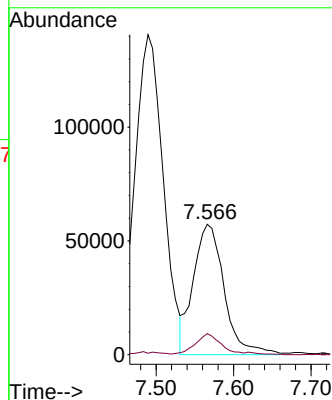
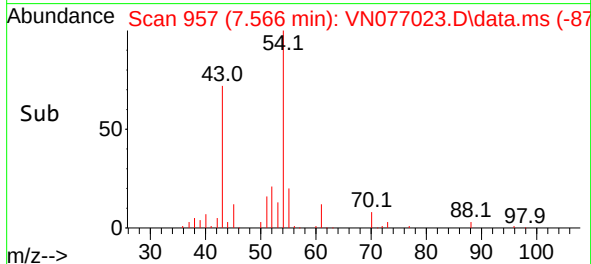
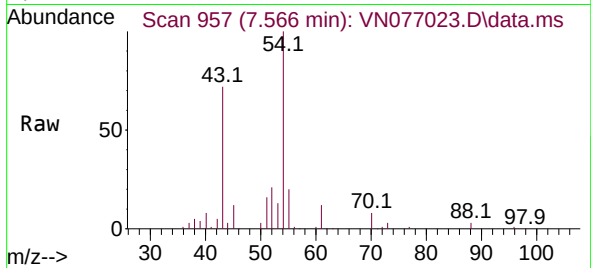
#43
Ethyl Acetate
Concen: 25.290 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 15867
Ion Ratio Lower Upper
43 100
45 12.6 11.2 16.8

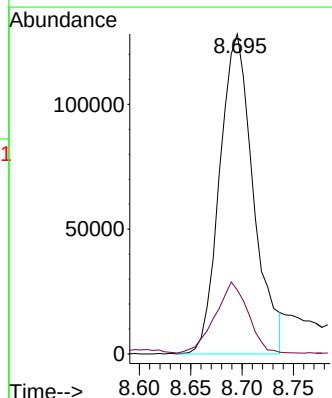
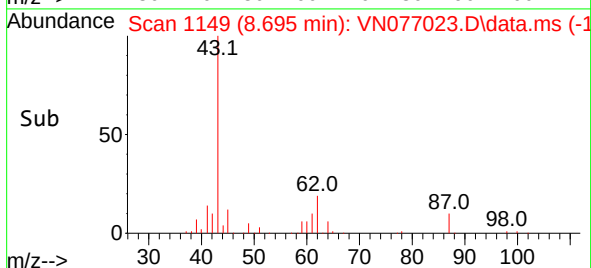
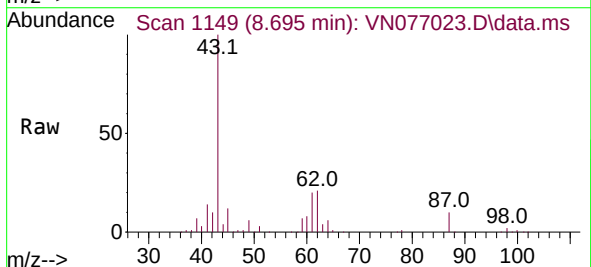
Manual Integrations
APPROVED

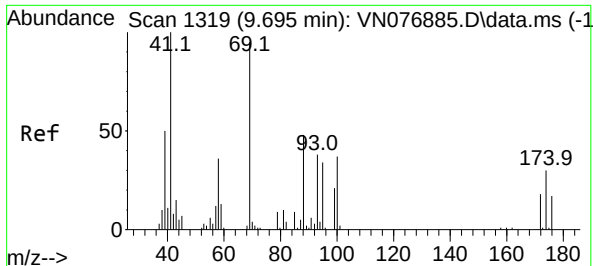
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#44
Isopropyl Acetate
Concen: 28.786 ug/l m
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

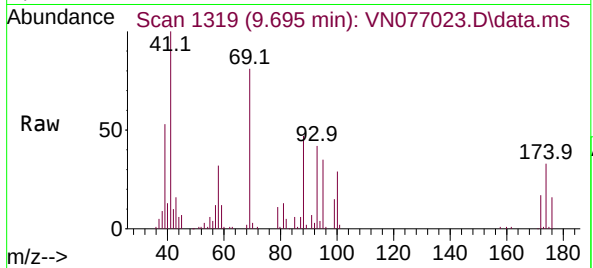
Tgt Ion: 43 Resp: 292770
Ion Ratio Lower Upper
43 100
61 22.6 19.5 29.3





#45
1,4-Dioxane
Concen: 456.822 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

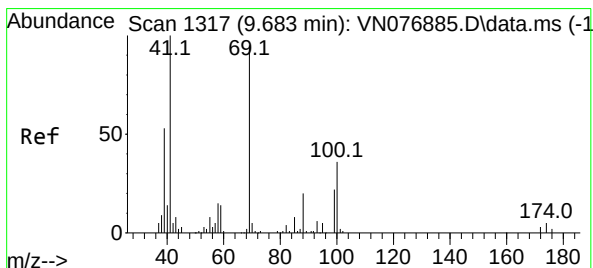
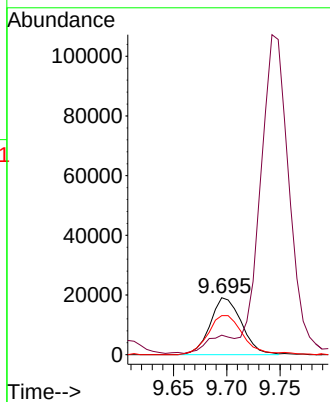
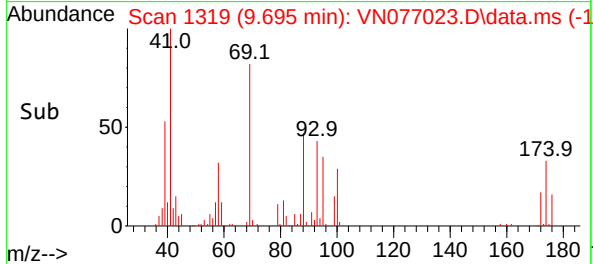
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 88 Resp: 39080
Ion Ratio Lower Upper
88 100
43 27.7 26.0 39.0
58 75.6 54.3 81.5

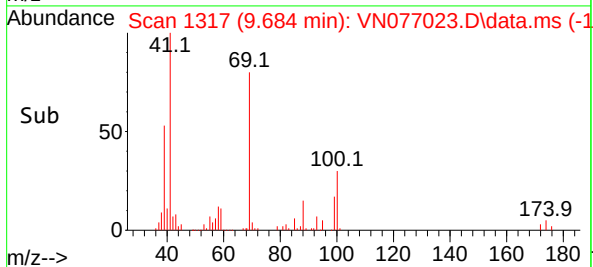
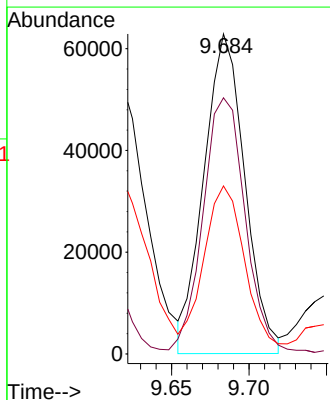
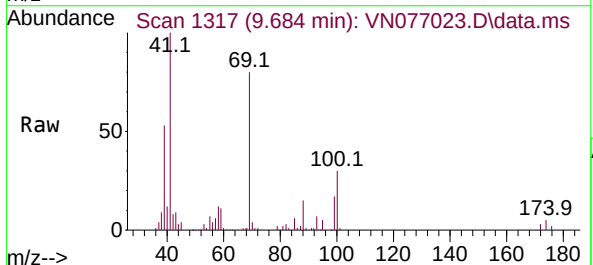
Manual Integrations
APPROVED

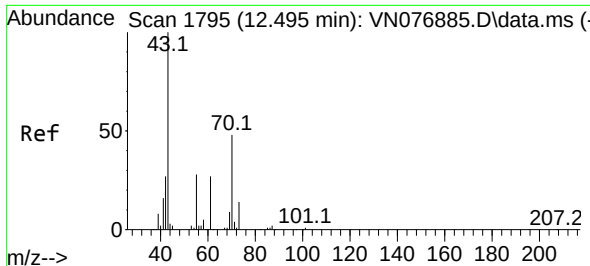
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#46
Methyl methacrylate
Concen: 23.295 ug/l
RT: 9.684 min Scan# 1317
Delta R.T. 0.001 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

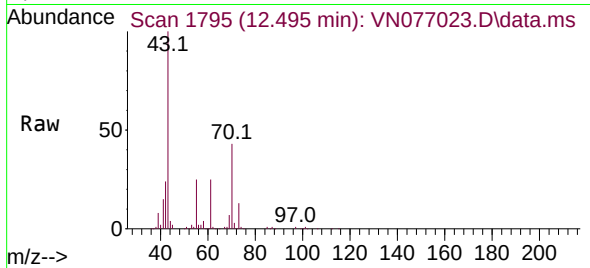
Tgt Ion: 41 Resp: 115377
Ion Ratio Lower Upper
41 100
69 81.3 40.6 121.7
39 51.9 30.5 91.5





#47
n-amy1 Acetate
Concen: 23.953 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

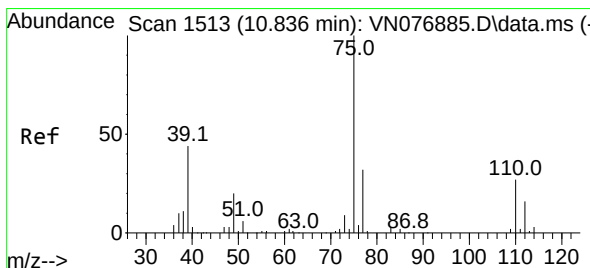
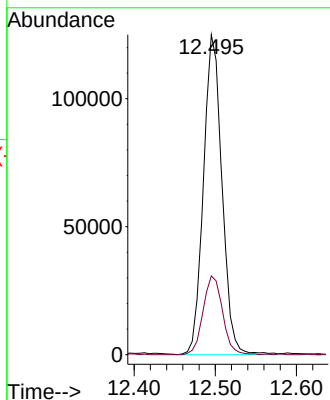
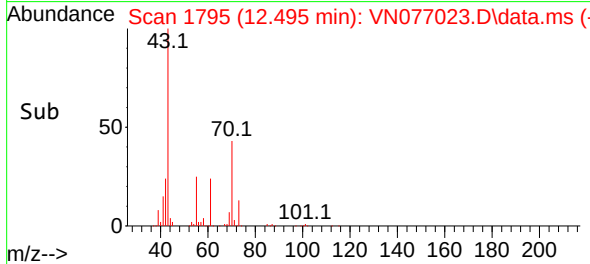
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 19825
Ion Ratio Lower Upper
43 100
55 25.7 18.3 27.5

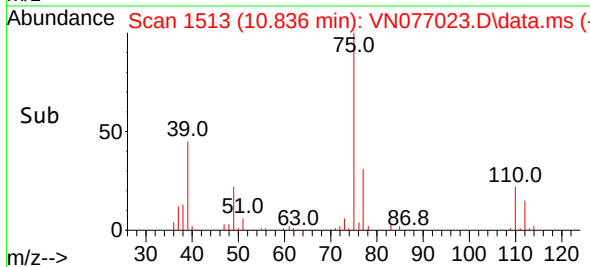
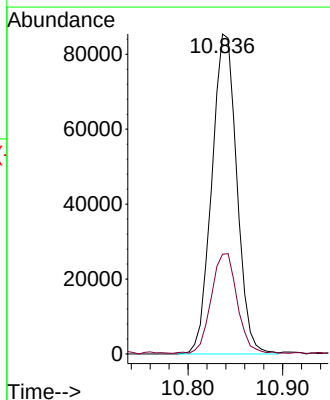
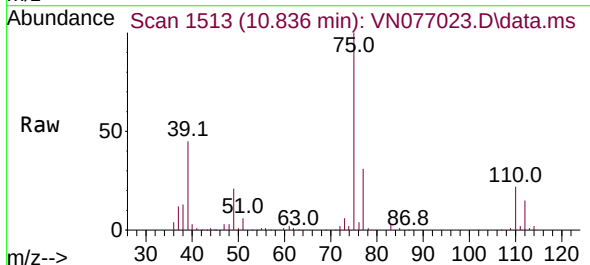
Manual Integrations
APPROVED

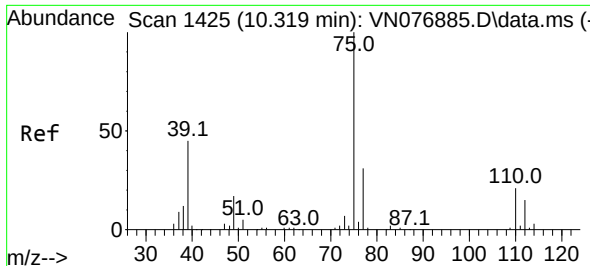
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#48
t-1,3-Dichloropropene
Concen: 22.337 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

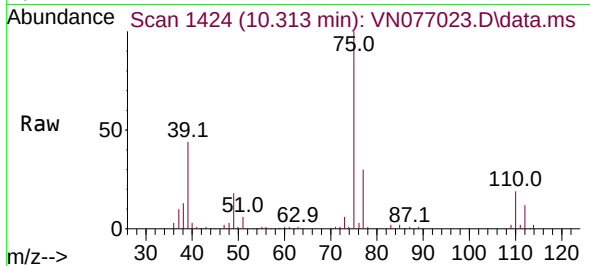
Tgt Ion: 75 Resp: 156813
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2





#49
cis-1,3-Dichloropropene
Concen: 22.439 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

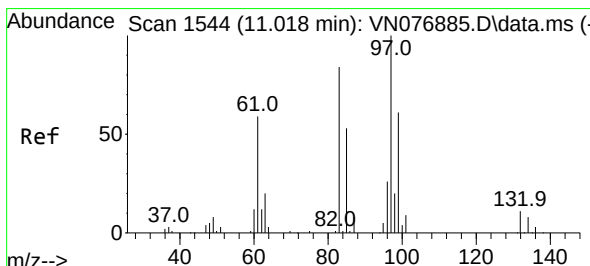
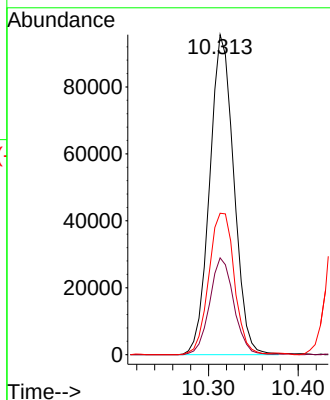
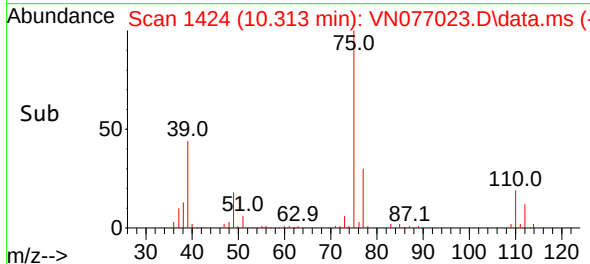
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 17892
Ion Ratio Lower Upper
75 100
77 30.2 27.5 41.3
39 44.2 43.5 65.3

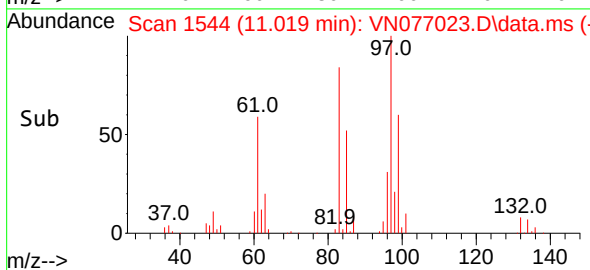
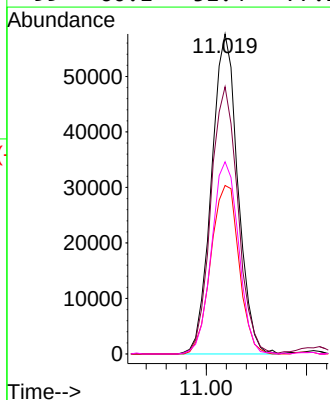
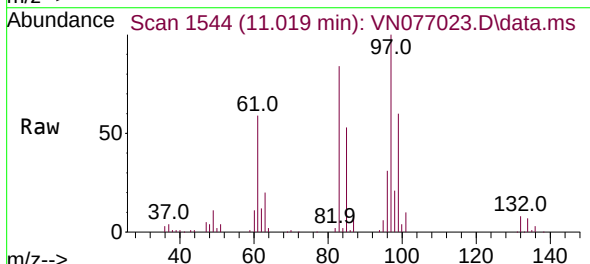
Manual Integrations
APPROVED

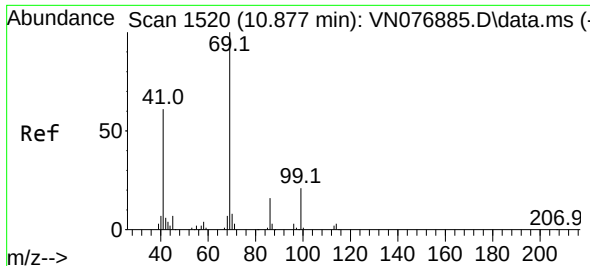
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#50
1,1,2-Trichloroethane
Concen: 21.031 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

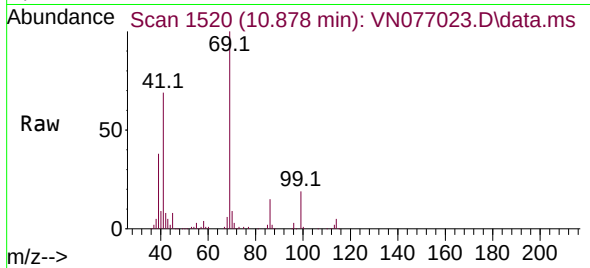
Tgt Ion: 97 Resp: 105371
Ion Ratio Lower Upper
97 100
83 83.5 71.0 106.4
85 52.6 45.5 68.3
99 60.1 51.4 77.2





#51
Ethyl methacrylate
Concen: 21.291 ug/l
RT: 10.878 min Scan# 1520
Delta R.T. 0.001 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

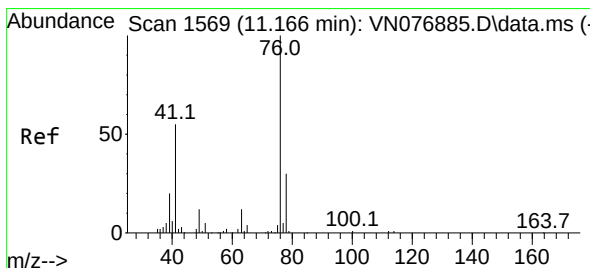
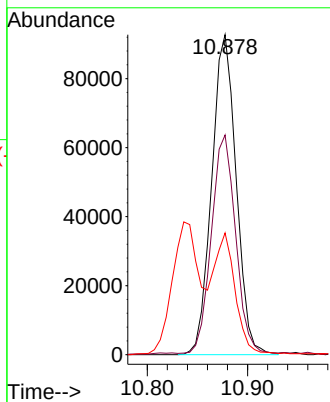
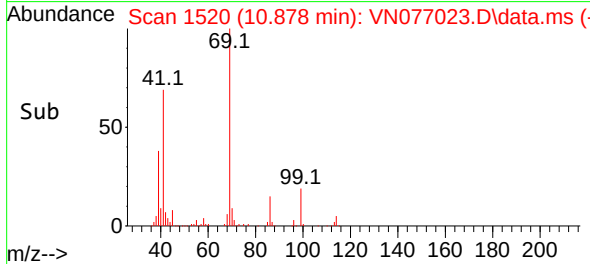
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 157264
Ion Ratio Lower Upper
69 100
41 68.2 36.3 108.7
39 37.7 19.9 59.7

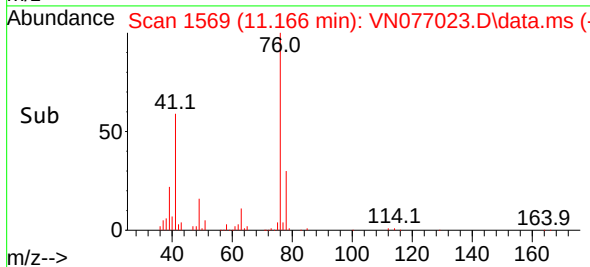
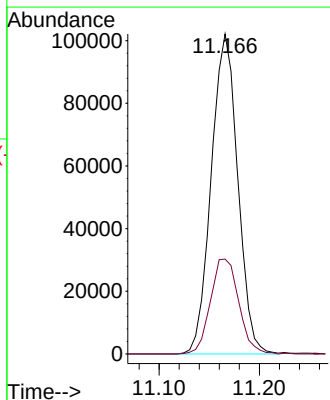
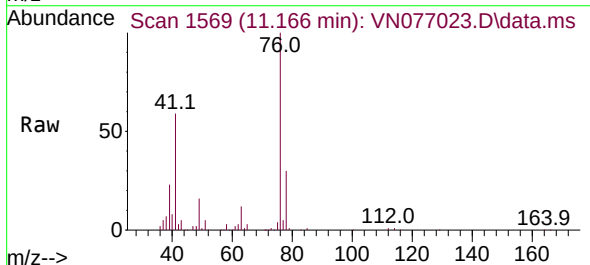
Manual Integrations
APPROVED

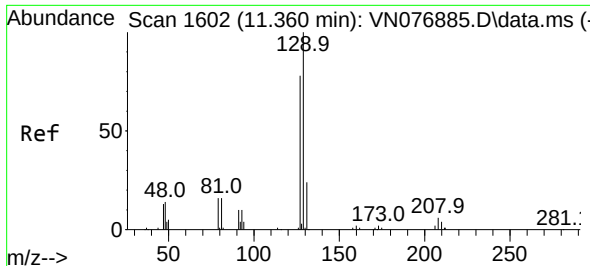
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#52
1,3-Dichloropropane
Concen: 21.653 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

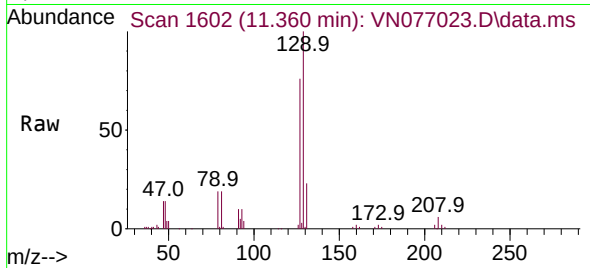
Tgt Ion: 76 Resp: 187386
Ion Ratio Lower Upper
76 100
78 31.6 0.0 65.4





#53
Dibromochloromethane
Concen: 20.542 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

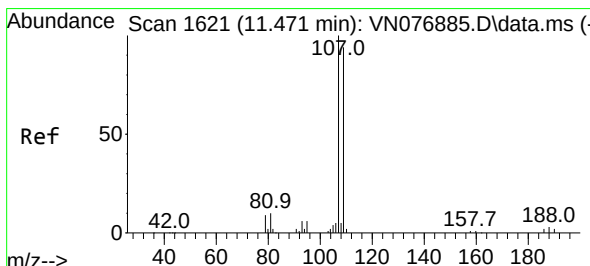
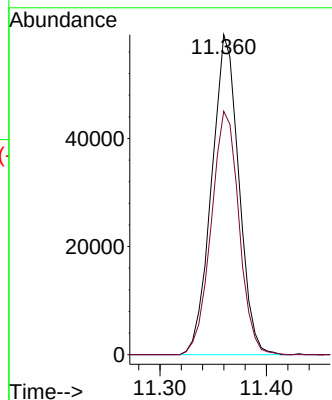
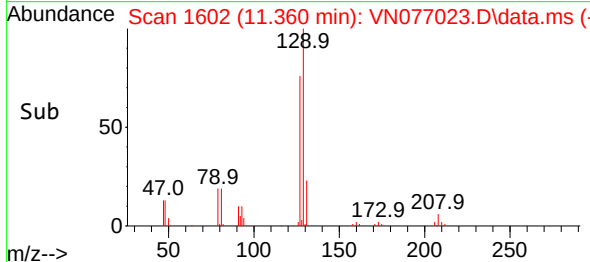
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



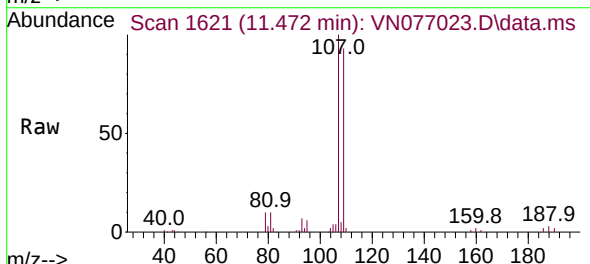
Tgt Ion:129 Resp: 104998
Ion Ratio Lower Upper
129 100
127 77.7 39.4 118.1

Manual Integrations
APPROVED

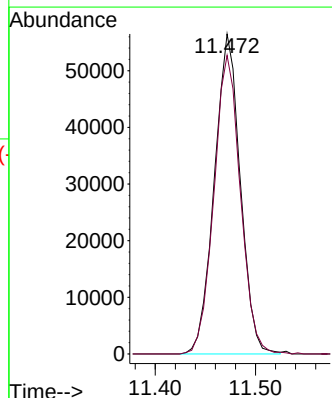
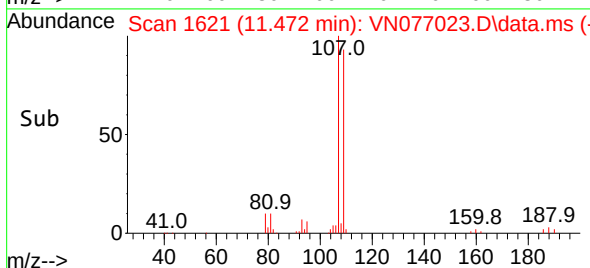
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

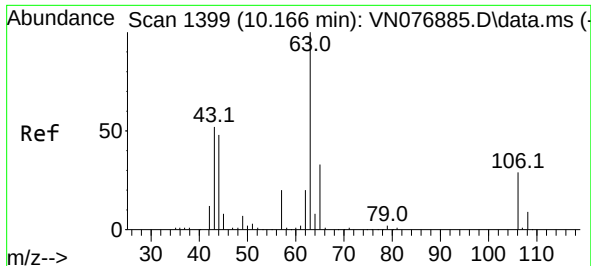


#54
1,2-Dibromoethane
Concen: 20.961 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



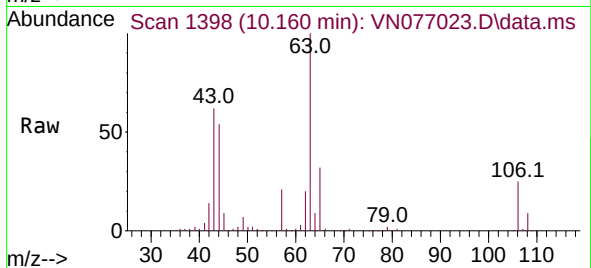
Tgt Ion:107 Resp: 101344
Ion Ratio Lower Upper
107 100
109 95.3 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 144.379 ug/l
RT: 10.160 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

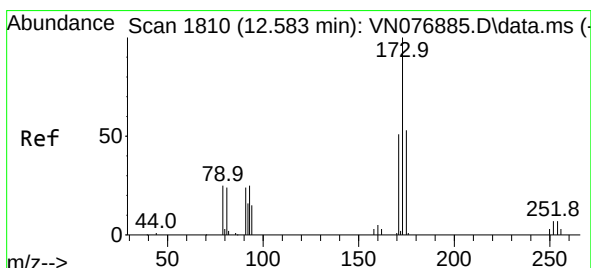
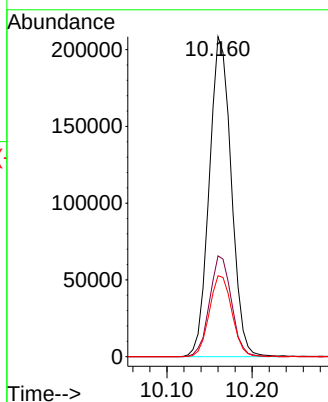
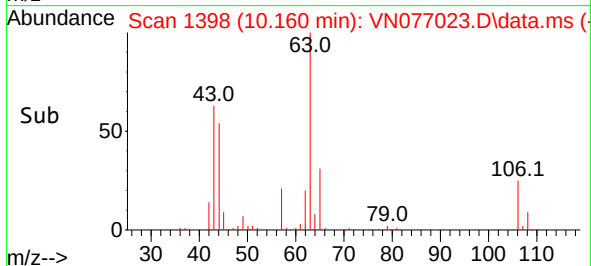
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 373908
Ion Ratio Lower Upper
63 100
65 31.3 26.3 39.5
106 25.8 21.6 32.4

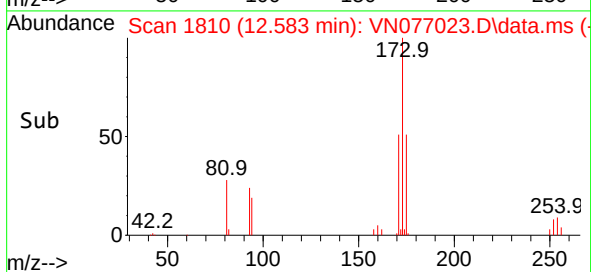
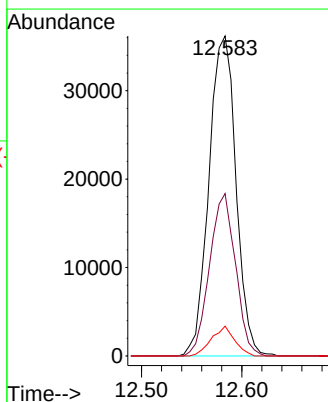
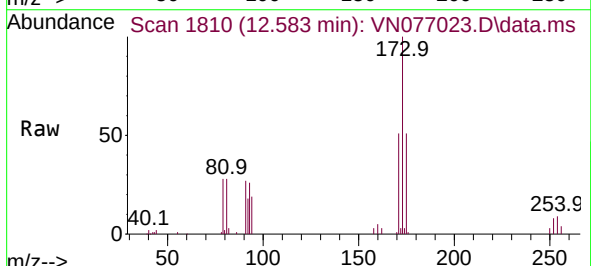
Manual Integrations
APPROVED

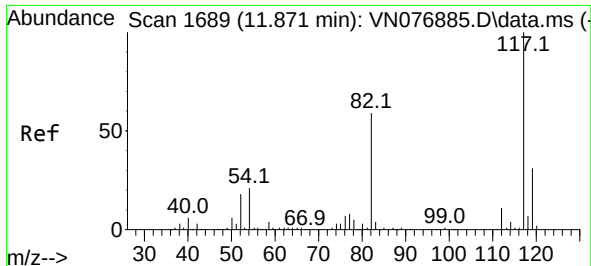
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#56
Bromoform
Concen: 19.856 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion:173 Resp: 67899
Ion Ratio Lower Upper
173 100
175 48.6 37.8 56.6
254 8.0 7.3 10.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

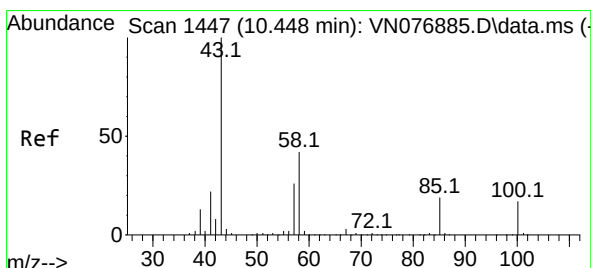
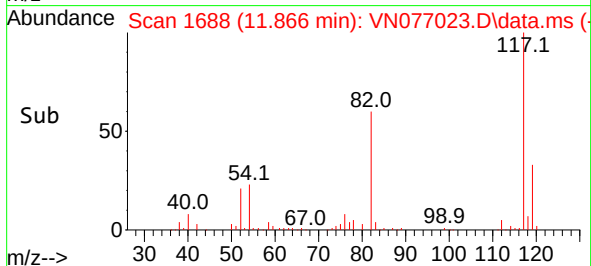
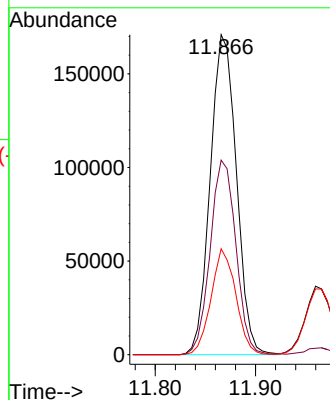
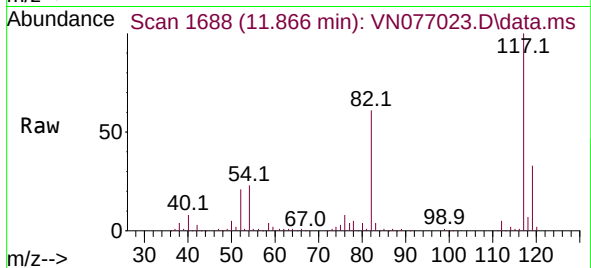
Tgt Ion:117 Resp: 31028
 Ion Ratio Lower Upper
 117 100
 82 59.7 45.4 68.0
 119 31.4 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#58

4-Methyl-2-Pentanone

Concen: 118.925 ug/l

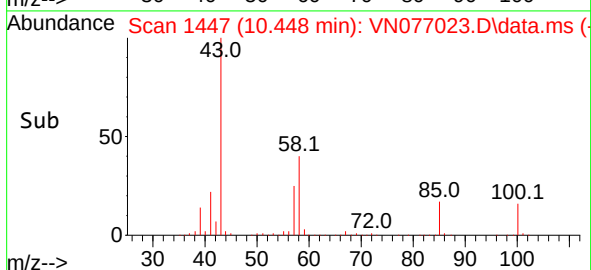
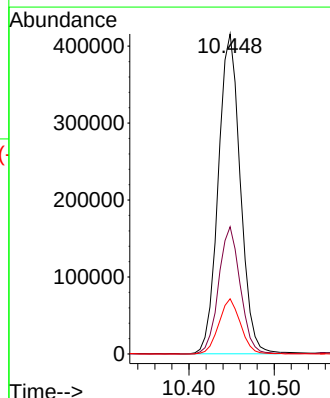
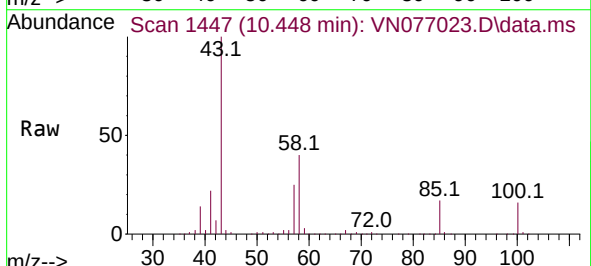
RT: 10.448 min Scan# 1447

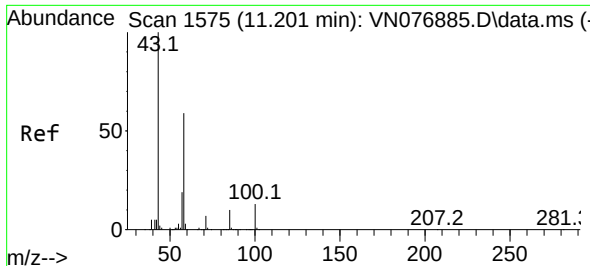
Delta R.T. 0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

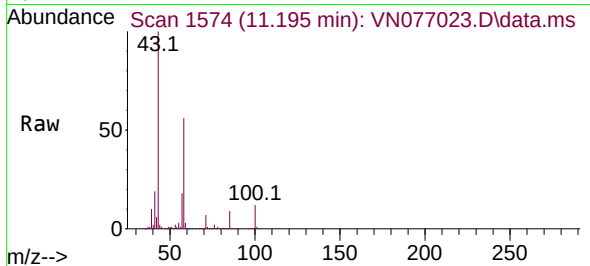
Tgt Ion: 43 Resp: 745434
 Ion Ratio Lower Upper
 43 100
 58 39.1 28.6 42.8
 85 17.0 11.8 17.8





#59
2-Hexanone
Concen: 121.329 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

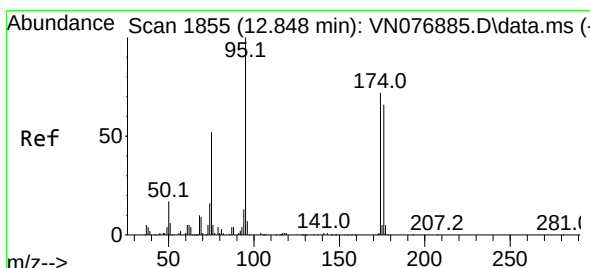
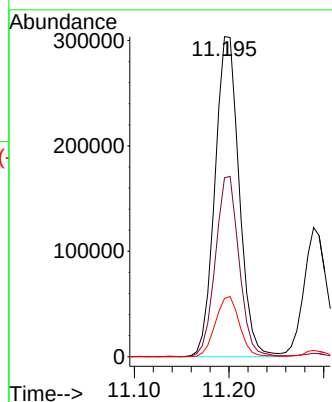
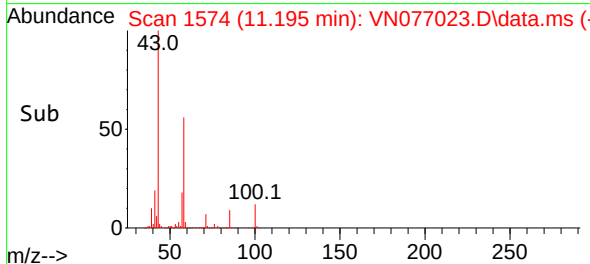
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 54024
Ion Ratio Lower Upper
43 100
58 55.1 40.6 60.8
57 18.7 13.1 19.7

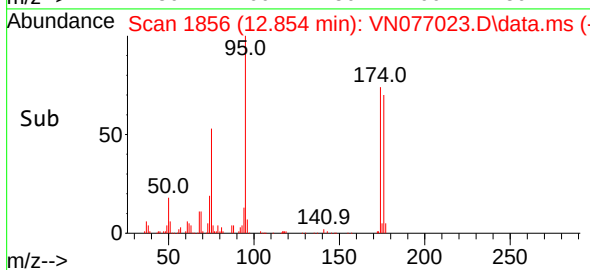
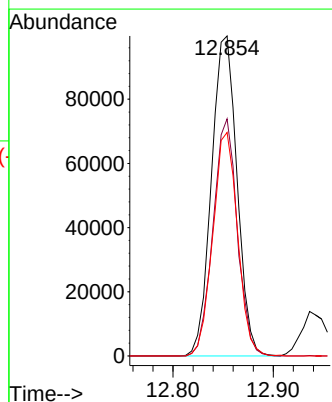
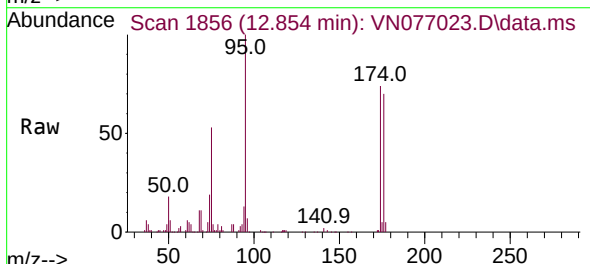
Manual Integrations
APPROVED

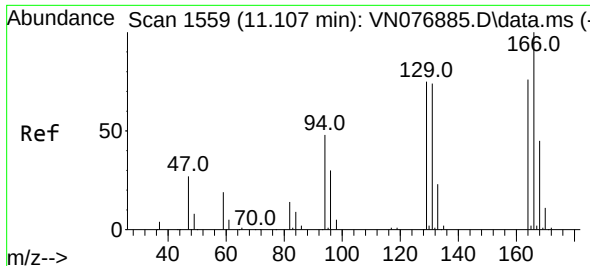
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#60
4-Bromofluorobenzene
Concen: 30.080 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

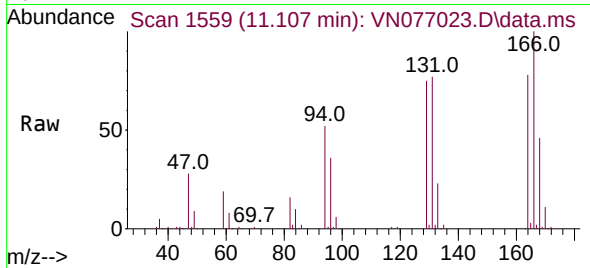
Tgt Ion: 95 Resp: 176647
Ion Ratio Lower Upper
95 100
174 70.3 64.2 96.4
176 67.6 61.4 92.0





#61
Tetrachloroethene
Concen: 16.735 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

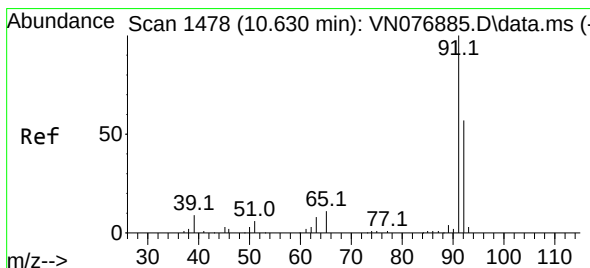
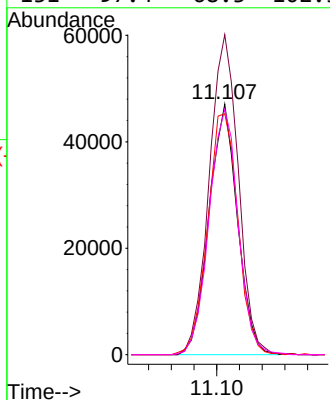
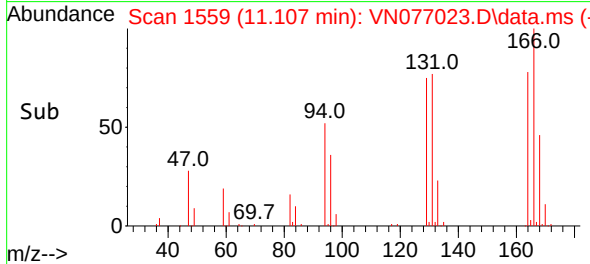
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 81970
Ion Ratio Lower Upper
164 100
166 127.7 96.2 144.2
129 95.5 78.2 117.4
131 97.4 68.3 102.5

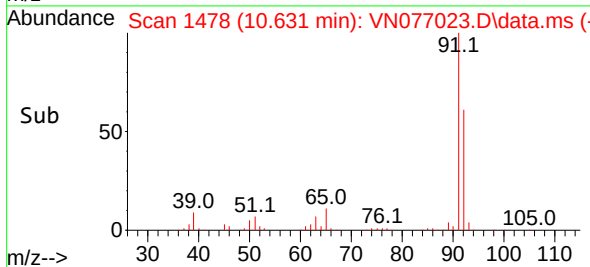
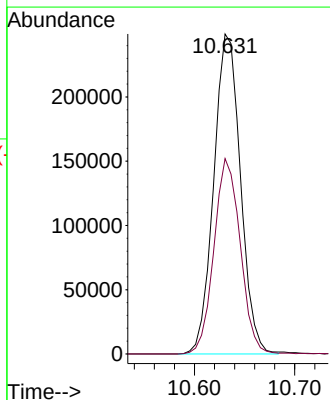
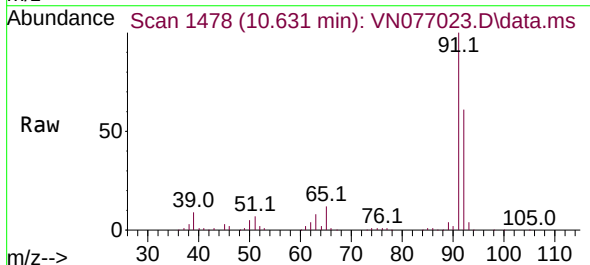
Manual Integrations
APPROVED

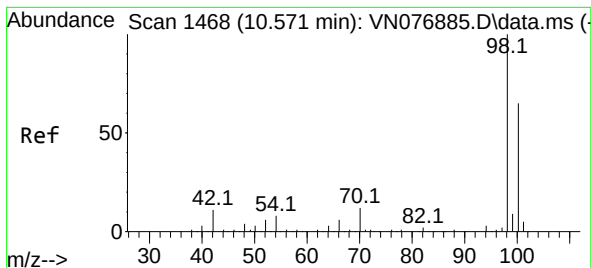
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#62
Toluene
Concen: 21.581 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.001 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 91 Resp: 461410
Ion Ratio Lower Upper
91 100
92 59.9 46.3 69.5





#63

Toluene-d8

Concen: 30.841 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 98 Resp: 336578

Ion Ratio Lower Upper

98 100

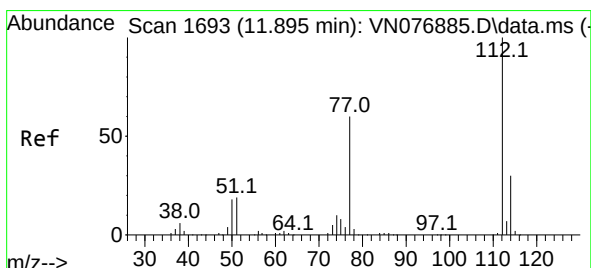
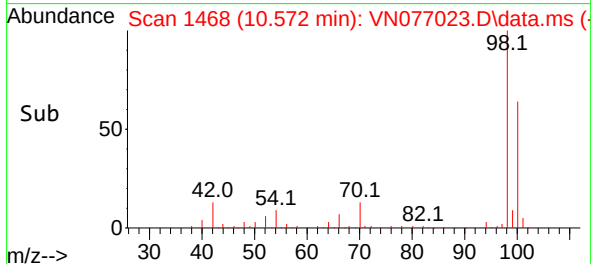
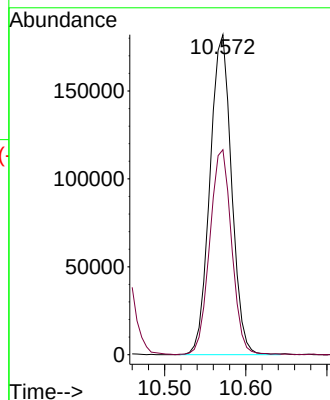
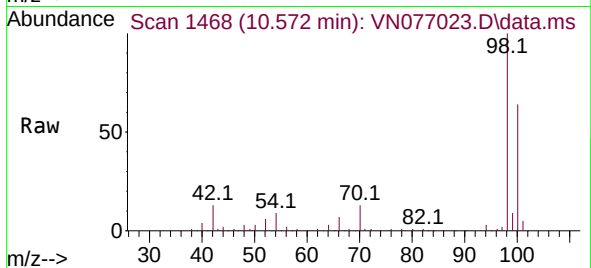
100 64.8 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#64

Chlorobenzene

Concen: 21.361 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VN077023.D

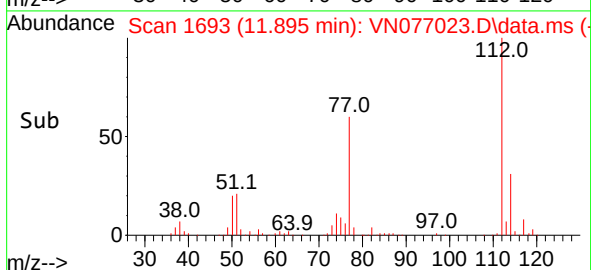
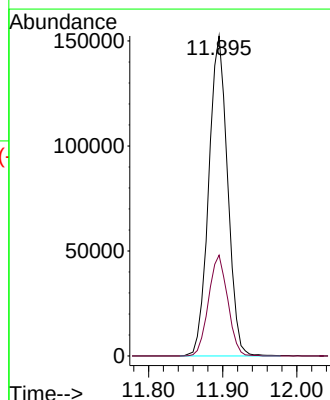
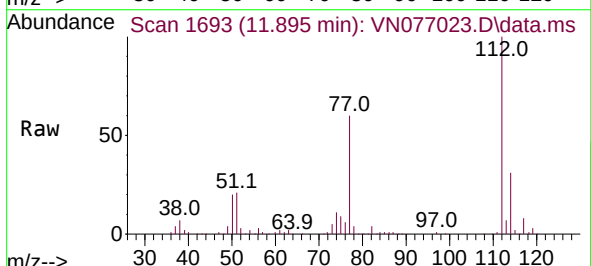
Acq: 16 Mar 2023 16:46

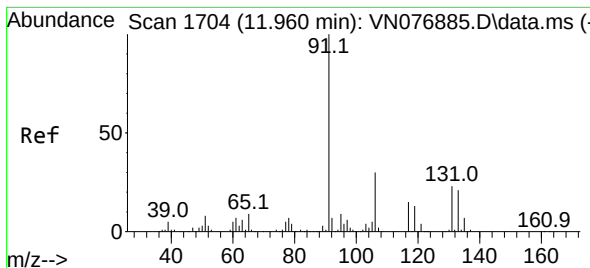
Tgt Ion:112 Resp: 268832

Ion Ratio Lower Upper

112 100

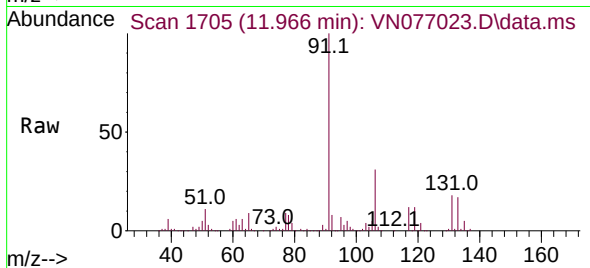
114 31.5 24.5 36.7





#65
1,1,1,2-Tetrachloroethane
Concen: 21.307 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

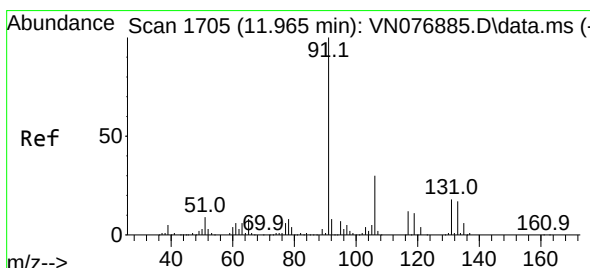
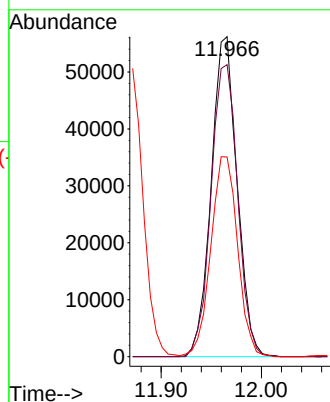
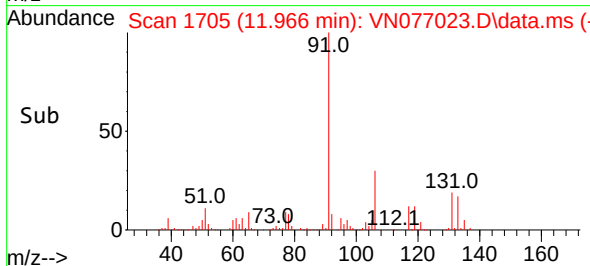
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 10071
Ion Ratio Lower Upper
131 100
133 94.2 0.0 197.6
119 64.6 0.0 127.8

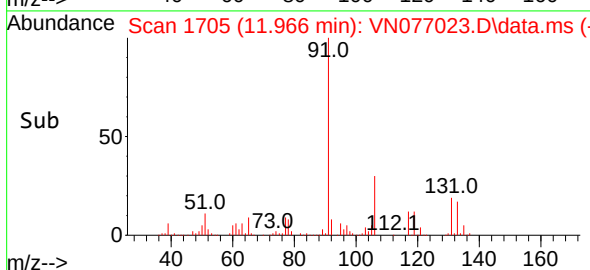
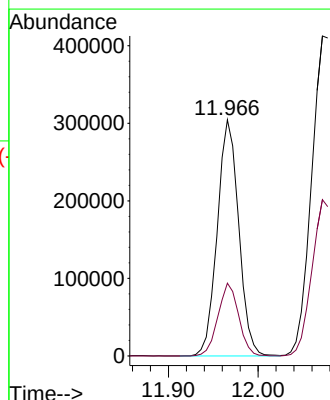
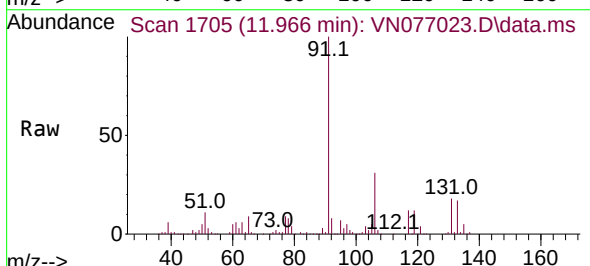
Manual Integrations
APPROVED

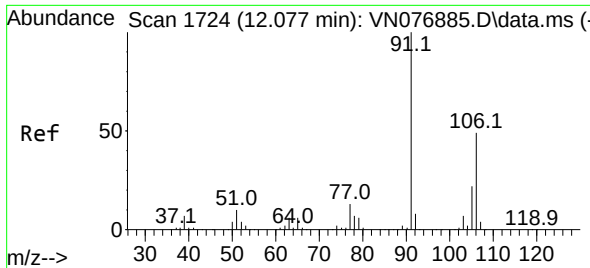
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#66
Ethyl Benzene
Concen: 21.762 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 91 Resp: 505153
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.8





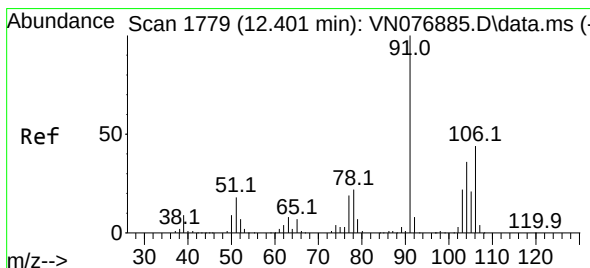
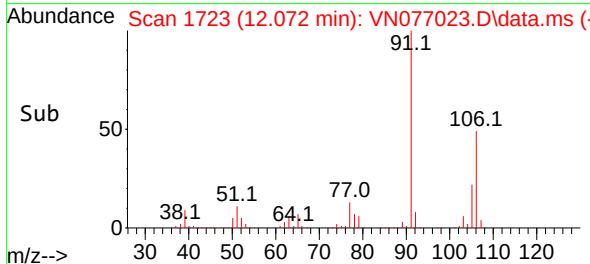
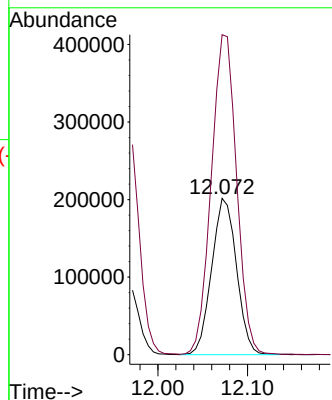
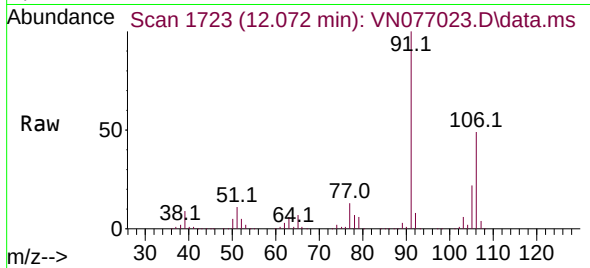
#67
m/p-Xylenes
Concen: 44.097 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.001 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 387735
Ion Ratio Lower Upper
106 100
91 208.8 157.4 236.2

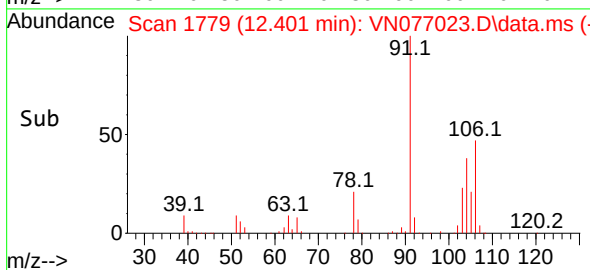
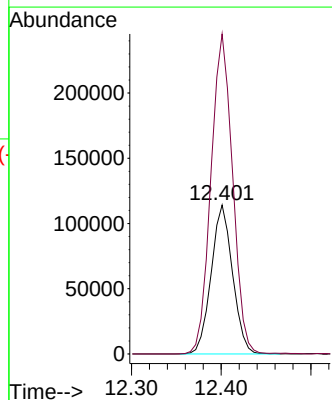
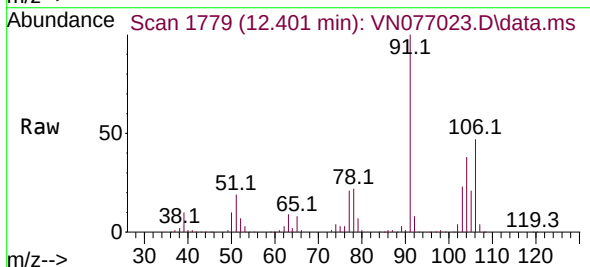
Manual Integrations
APPROVED

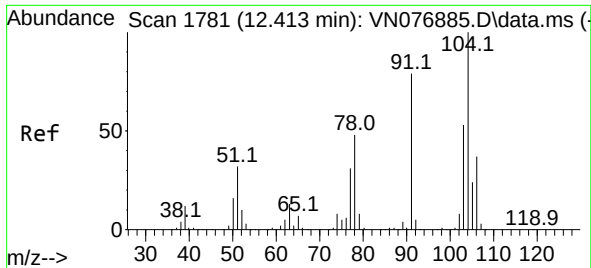
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#68
o-Xylene
Concen: 22.036 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion:106 Resp: 189171
Ion Ratio Lower Upper
106 100
91 217.1 107.2 321.6





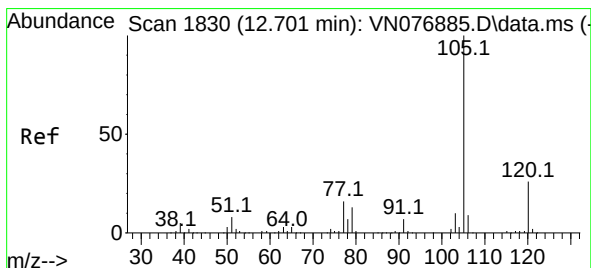
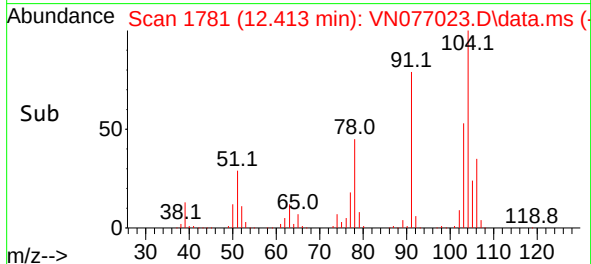
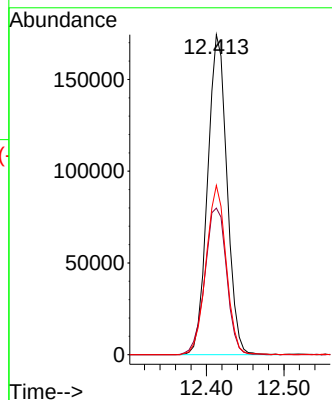
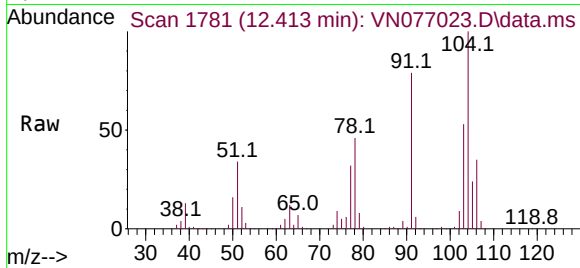
#69
Styrene
Concen: 21.703 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 302158
Ion Ratio Lower Upper
104 100
78 51.6 39.6 59.4
103 54.7 43.9 65.9

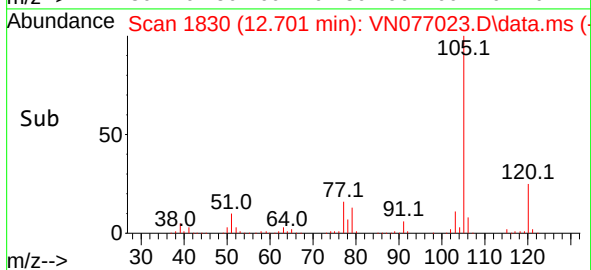
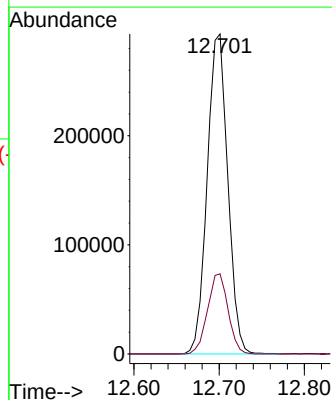
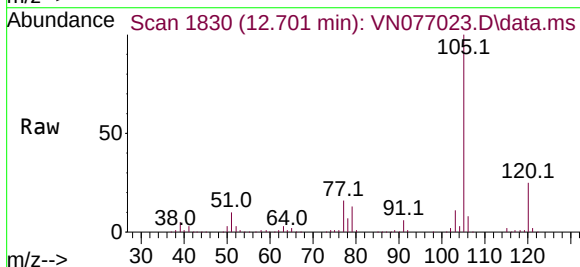
Manual Integrations
APPROVED

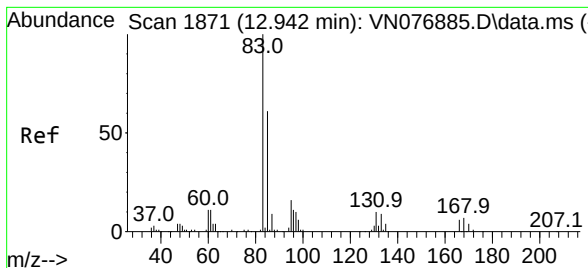
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#70
Isopropylbenzene
Concen: 22.041 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

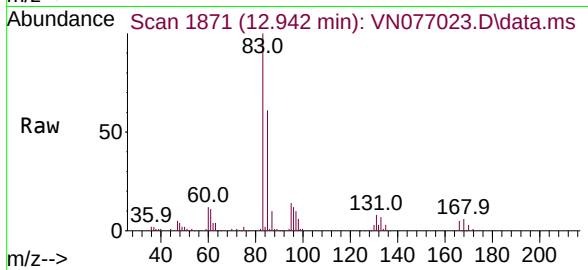
Tgt Ion:105 Resp: 492301
Ion Ratio Lower Upper
105 100
120 25.0 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 23.183 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

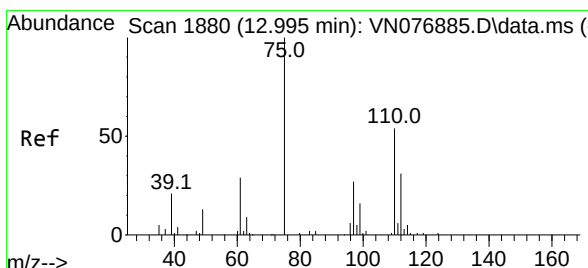
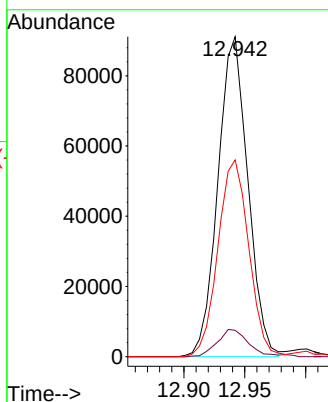
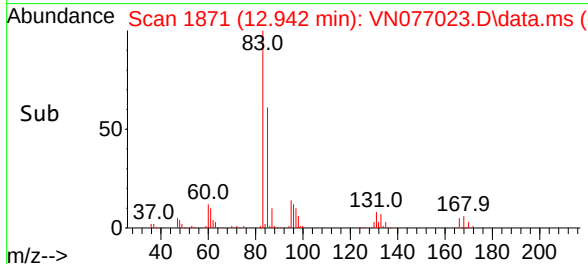
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



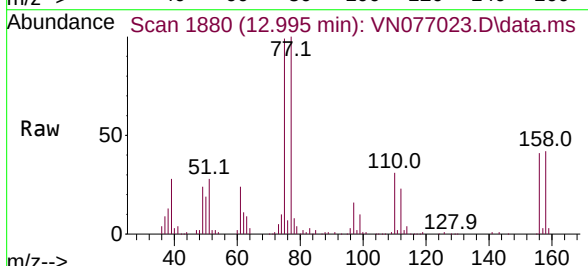
Tgt Ion: 83 Resp: 156129
Ion Ratio Lower Upper
83 100
131 8.7 5.0 14.9
85 63.3 32.3 96.9

Manual Integrations
APPROVED

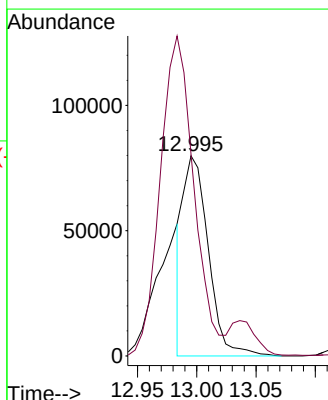
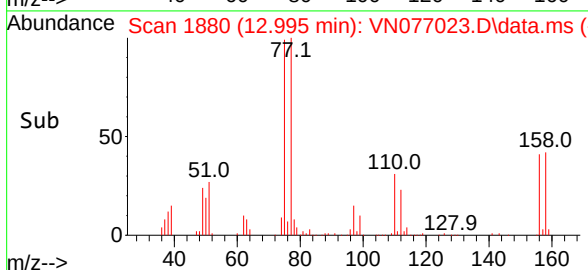
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

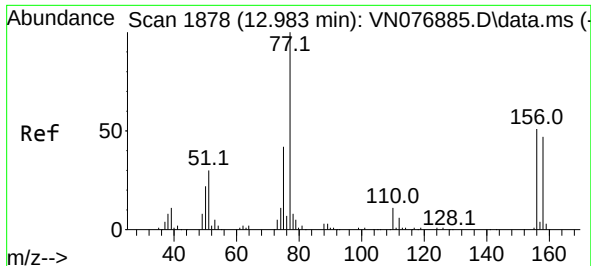


#72
1,2,3-Trichloropropane
Concen: 19.240 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



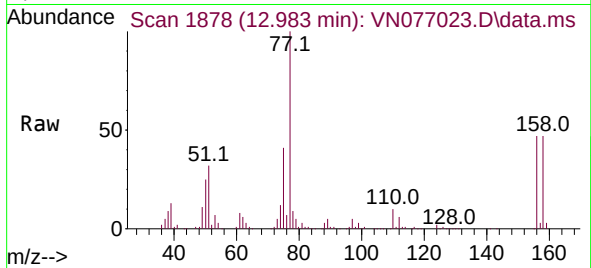
Tgt Ion: 75 Resp: 118864
Ion Ratio Lower Upper
75 100
77 213.1 0.0 332.6





#73
Bromobenzene
Concen: 20.718 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

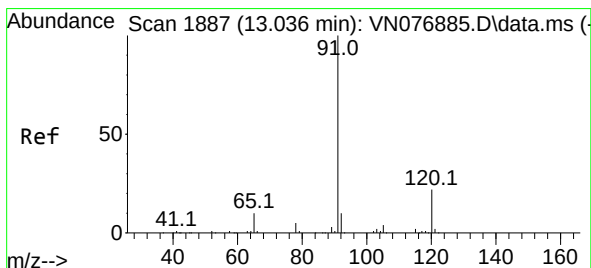
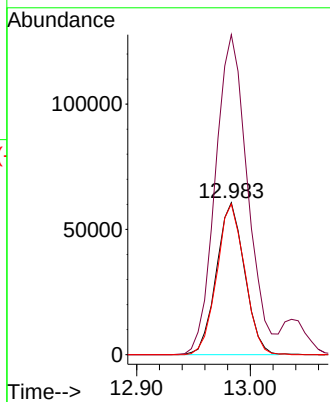
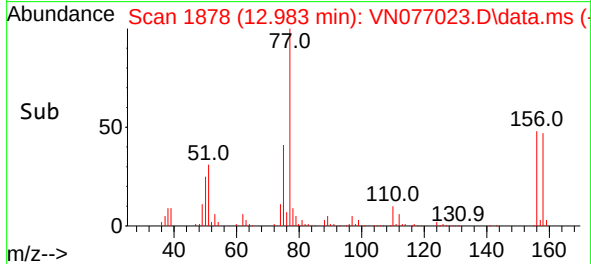
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:156 Resp: 104428
Ion Ratio Lower Upper
156 100
77 242.6 0.0 423.0
158 97.9 0.0 188.6

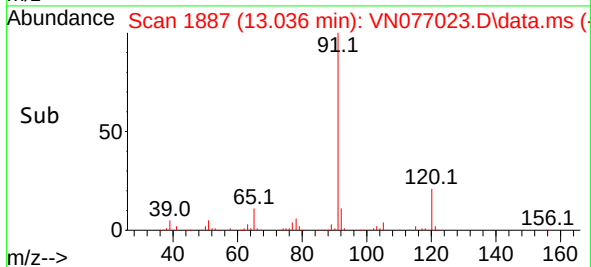
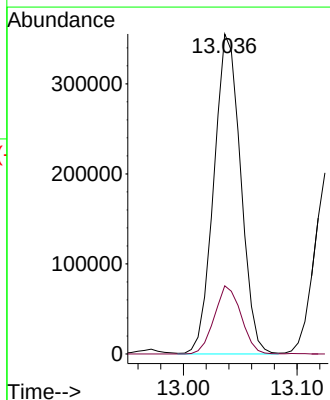
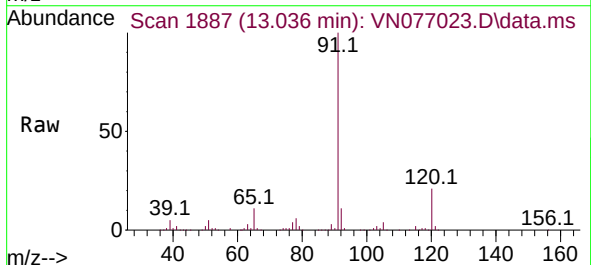
Manual Integrations
APPROVED

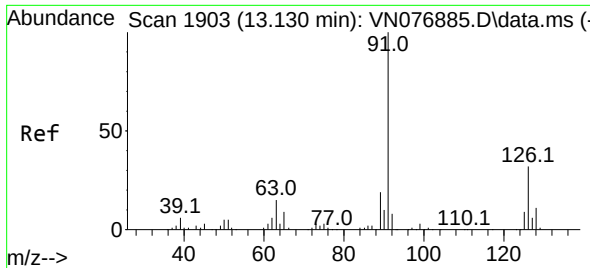
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#74
n-propylbenzene
Concen: 22.116 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 91 Resp: 583064
Ion Ratio Lower Upper
91 100
120 21.2 0.0 44.0





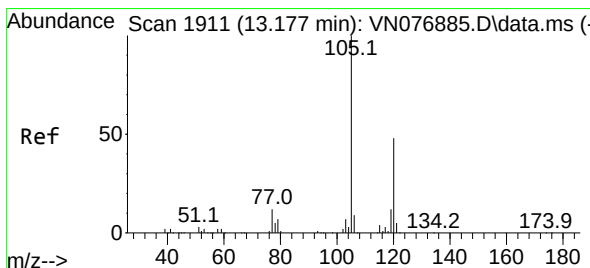
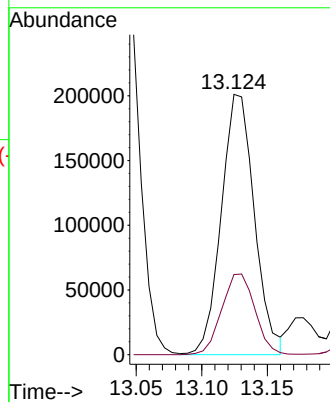
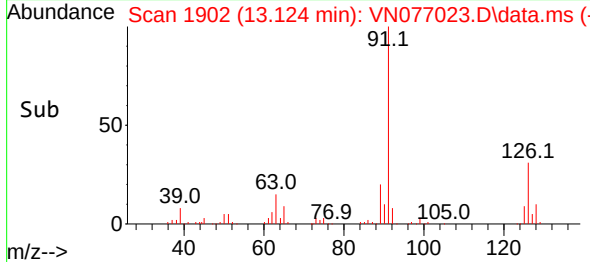
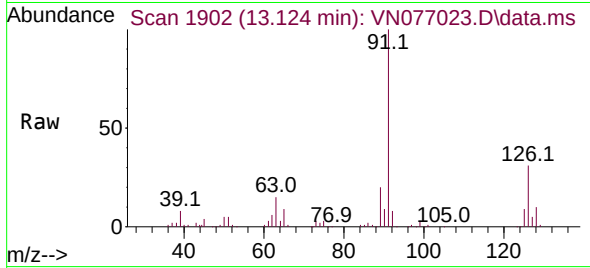
#75
2-Chlorotoluene
Concen: 21.682 ug/l
RT: 13.124 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 353519
Ion Ratio Lower Upper
91 100
126 31.1 0.0 66.4

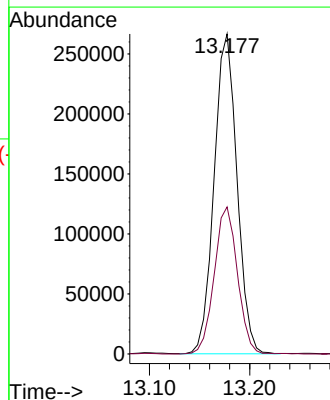
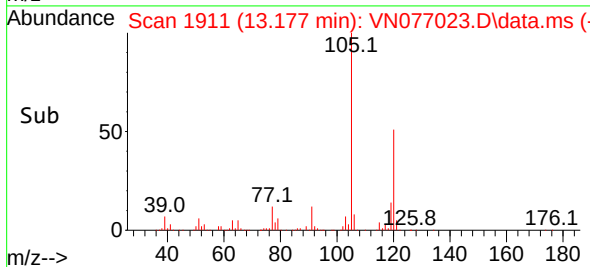
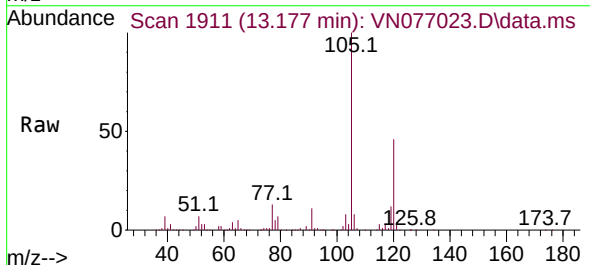
Manual Integrations
APPROVED

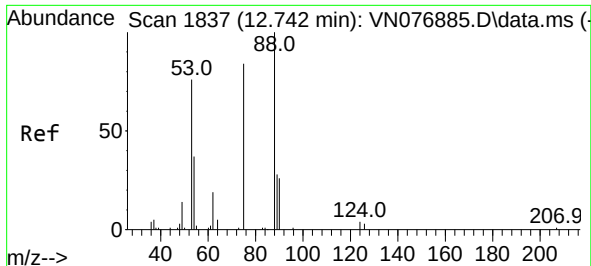
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#76
1,3,5-Trimethylbenzene
Concen: 21.867 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

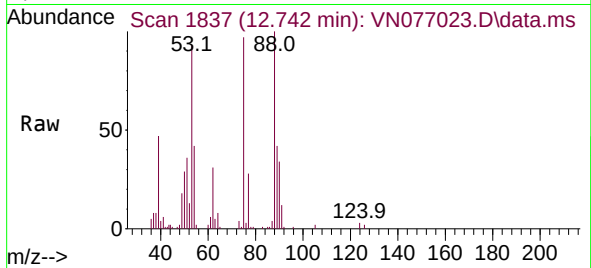
Tgt Ion:105 Resp: 422748
Ion Ratio Lower Upper
105 100
120 46.5 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 24.586 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

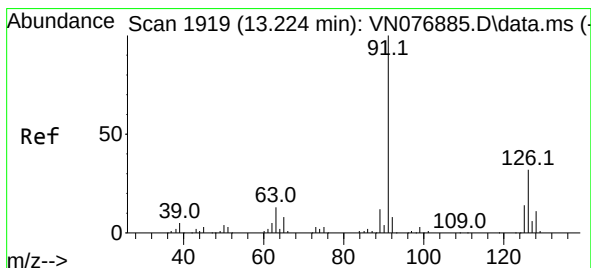
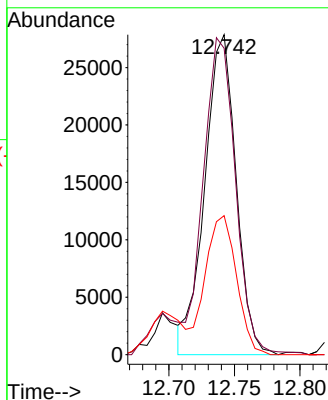
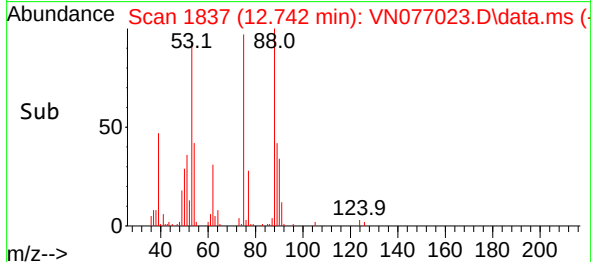
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 46360
Ion Ratio Lower Upper
75 100
53 94.9 50.4 151.3
89 43.4 22.1 66.5

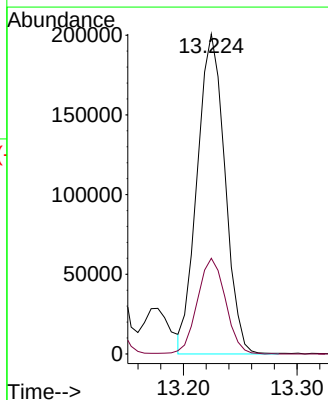
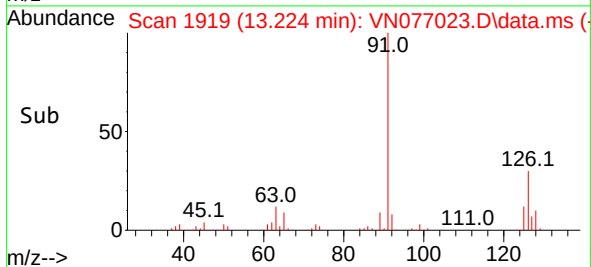
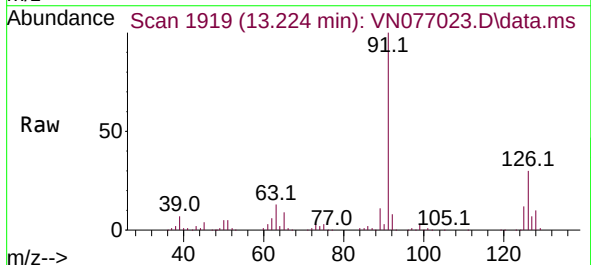
Manual Integrations
APPROVED

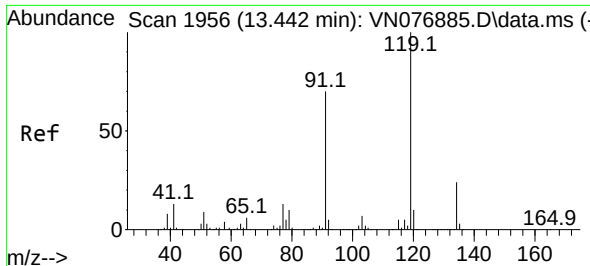
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#78
4-Chlorotoluene
Concen: 21.666 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion: 91 Resp: 340515
Ion Ratio Lower Upper
91 100
126 30.3 0.0 70.6





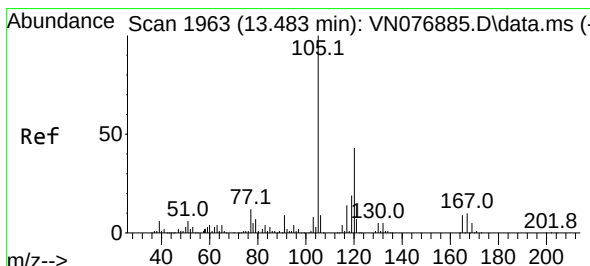
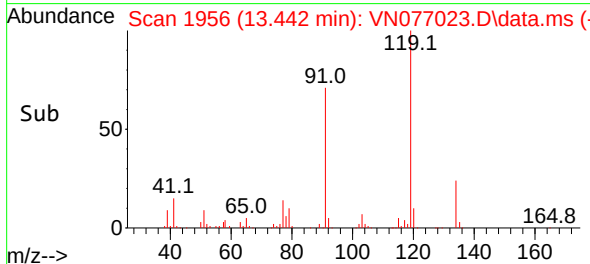
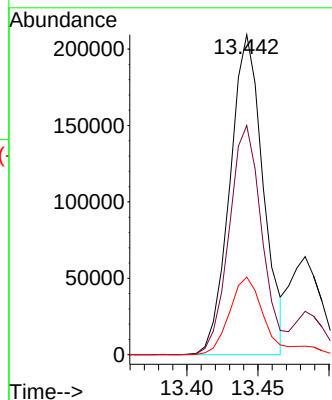
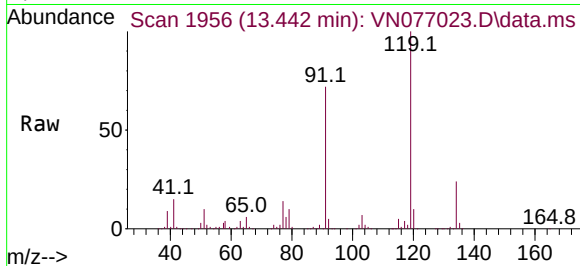
#79
tert-butylbenzene
Concen: 21.166 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 34218
Ion Ratio Lower Upper
119 100
91 71.5 0.0 129.6
134 24.3 0.0 47.8

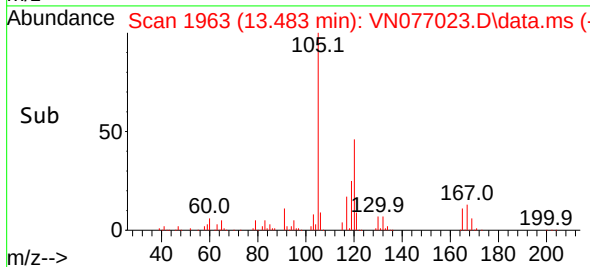
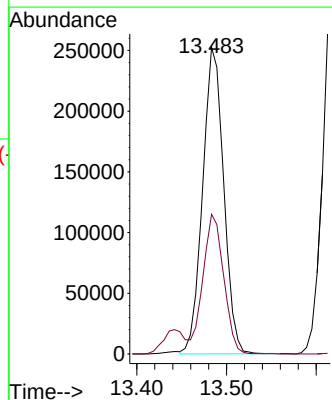
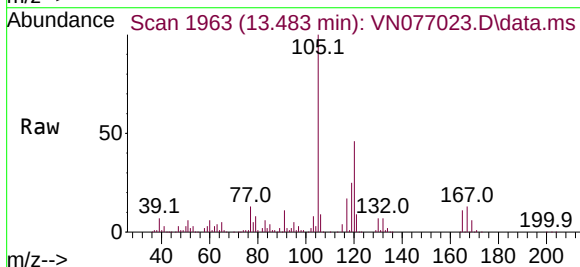
Manual Integrations
APPROVED

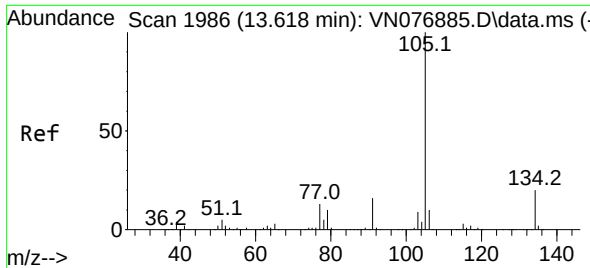
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#80
1,2,4-Trimethylbenzene
Concen: 21.612 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion:105 Resp: 410598
Ion Ratio Lower Upper
105 100
120 44.5 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 22.109 ug/l
 RT: 13.619 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN077023.D
 Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

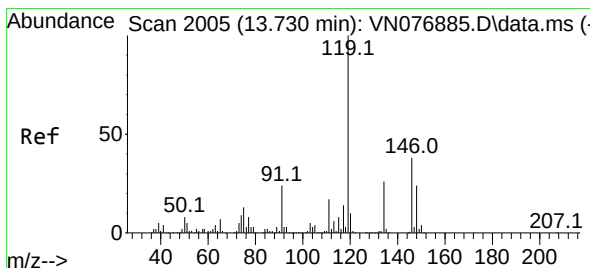
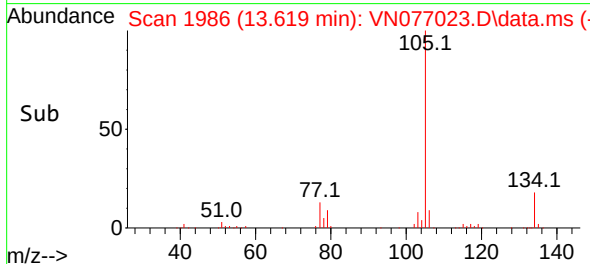
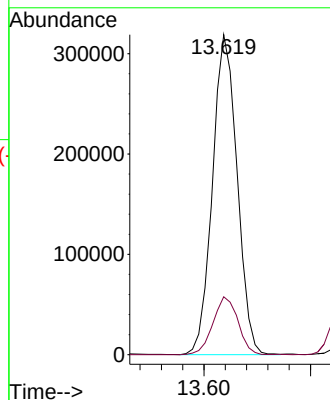
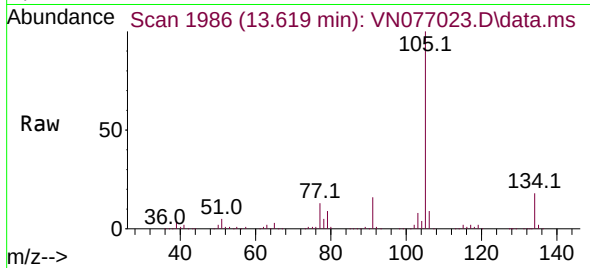
VSTDCCC020EC

Tgt Ion:105 Resp: 51140
 Ion Ratio Lower Upper
 105 100
 134 18.4 0.0 39.4

Manual Integrations

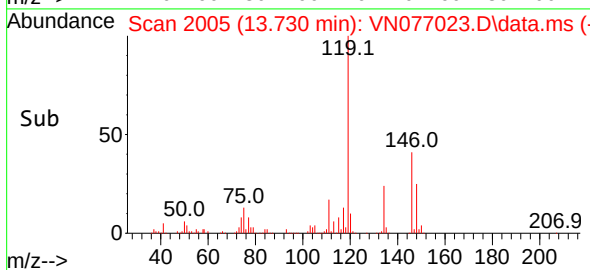
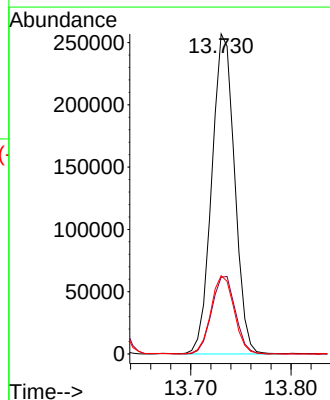
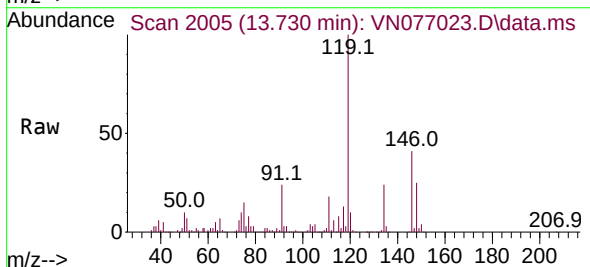
APPROVED

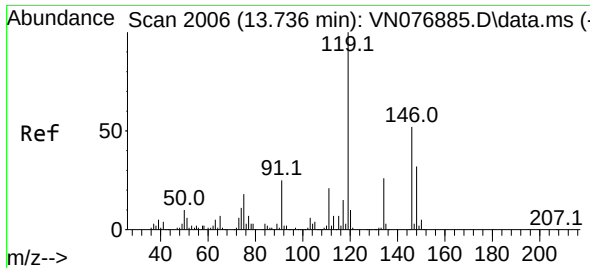
Reviewed By :John Carlone 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023



#82
 p-Isopropyltoluene
 Concen: 21.738 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077023.D
 Acq: 16 Mar 2023 16:46

Tgt Ion:119 Resp: 406395
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 53.4
 91 24.9 0.0 47.2





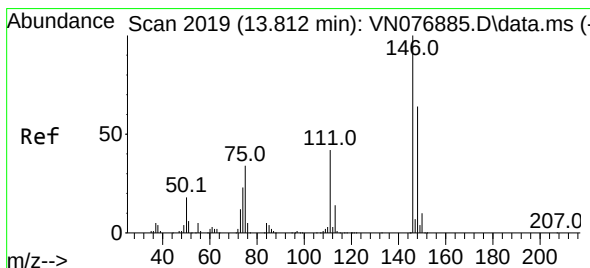
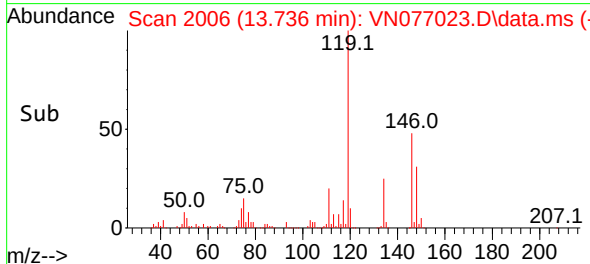
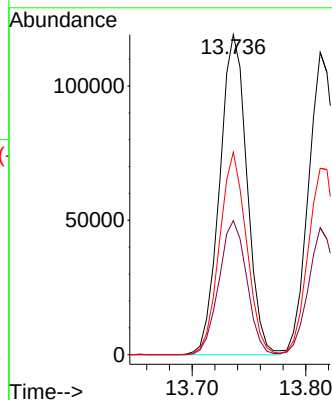
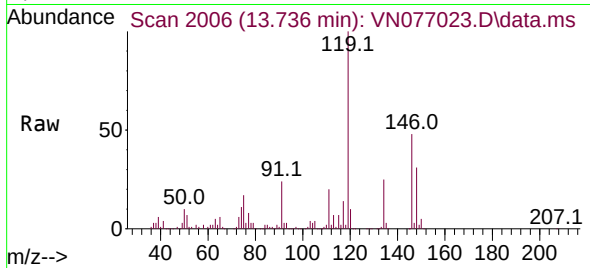
#83
1,3-Dichlorobenzene
Concen: 21.349 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 19910
Ion Ratio Lower Upper
146 100
111 42.7 20.3 60.8
148 62.5 31.9 95.5

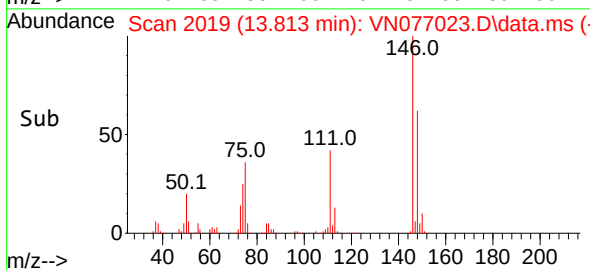
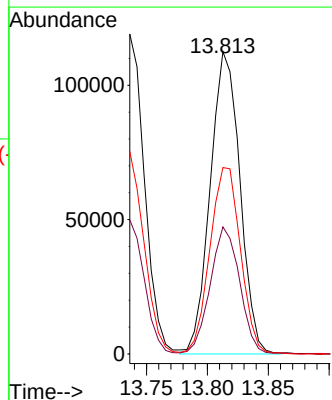
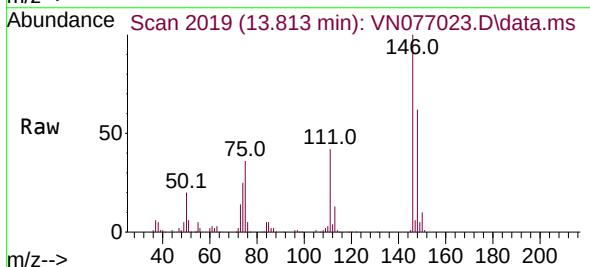
Manual Integrations
APPROVED

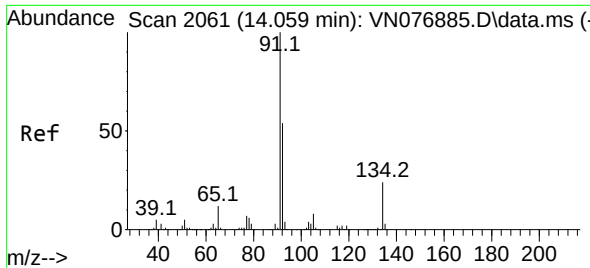
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#84
1,4-Dichlorobenzene
Concen: 21.107 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion:146 Resp: 191211
Ion Ratio Lower Upper
146 100
111 41.7 18.2 54.6
148 63.6 31.1 93.2





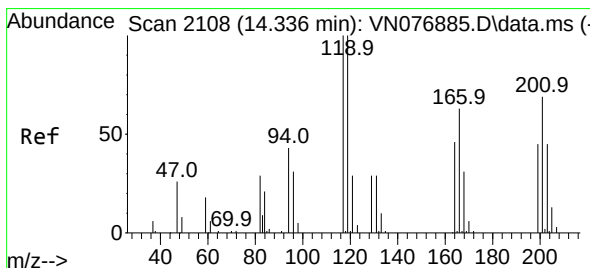
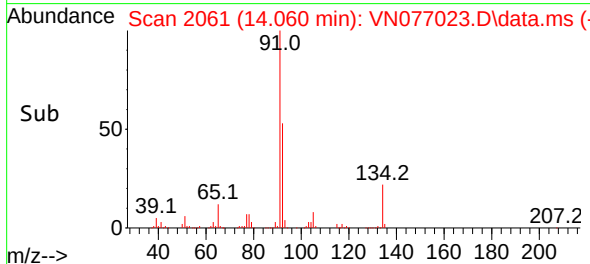
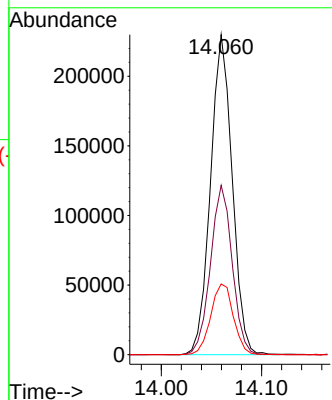
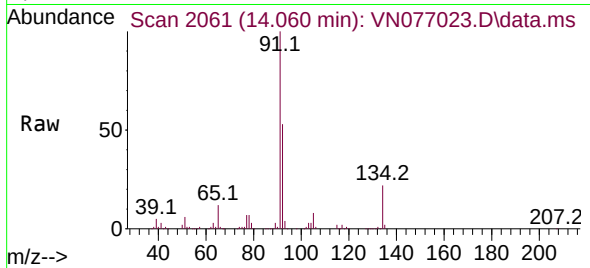
#85
n-Butylbenzene
Concen: 21.768 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 34494
Ion Ratio Lower Upper
91 100
92 53.0 0.0 103.2
134 23.1 0.0 50.0

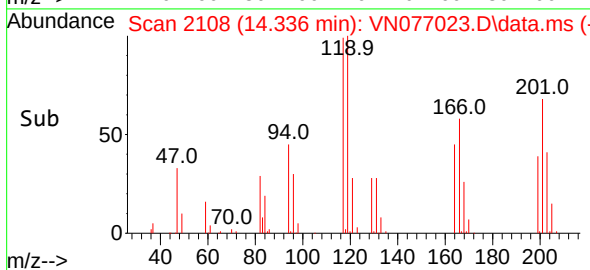
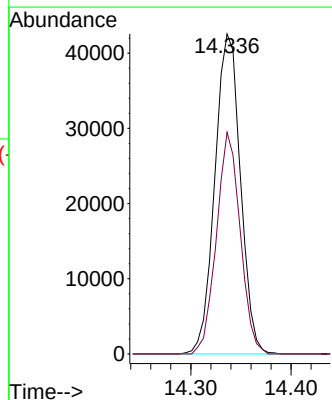
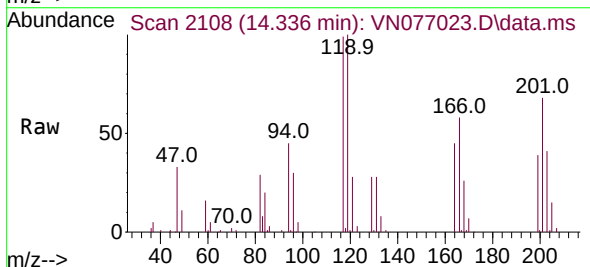
Manual Integrations
APPROVED

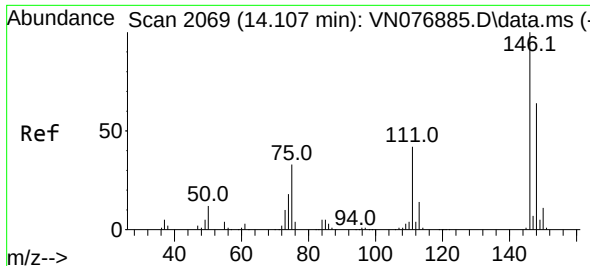
Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#86
Hexachloroethane
Concen: 22.554 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Tgt Ion:117 Resp: 75284
Ion Ratio Lower Upper
117 100
201 64.3 32.2 96.6





#87

1,2-Dichlorobenzene

Concen: 20.989 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 19520

Ion Ratio Lower Upper

146 100

111 45.1 20.5 61.6

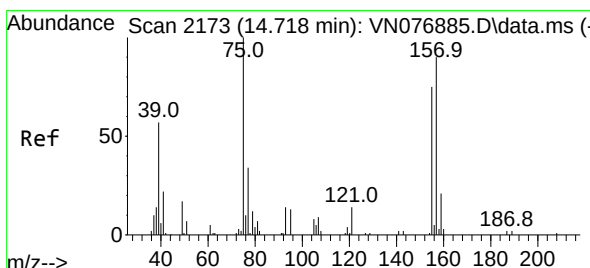
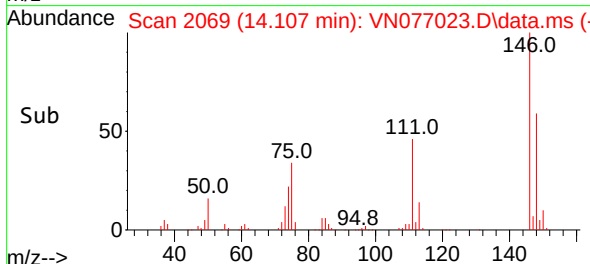
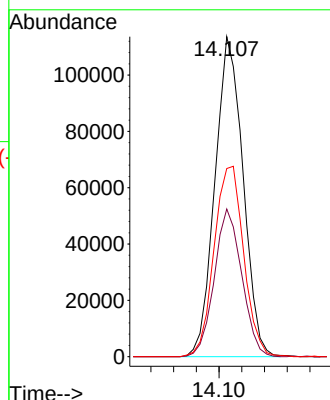
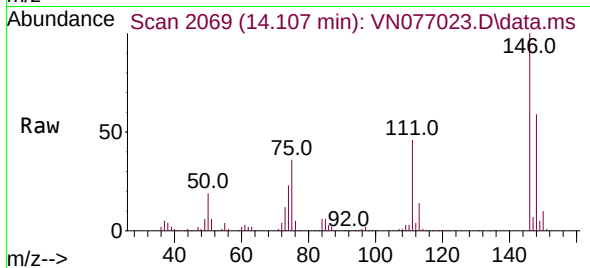
148 62.8 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/17/2023

Supervised By :Mahesh Dadoda 03/17/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.723 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN077023.D

Acq: 16 Mar 2023 16:46

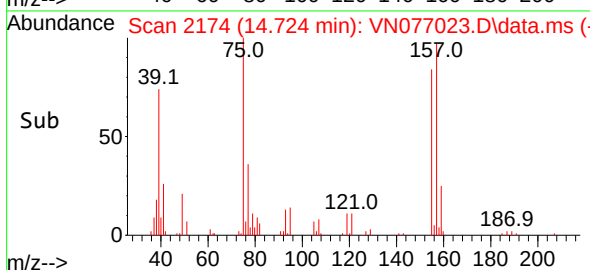
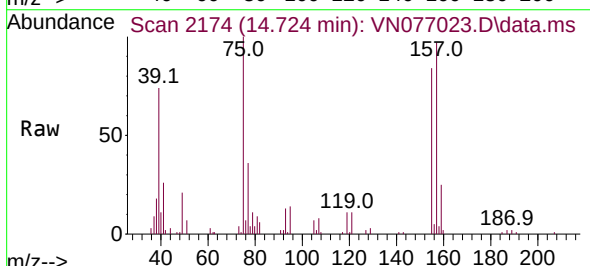
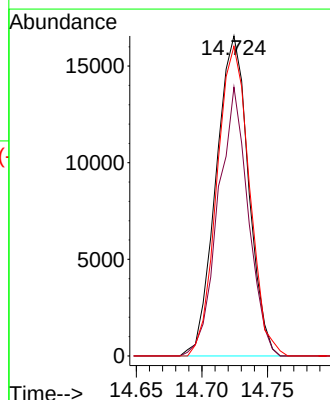
Tgt Ion: 75 Resp: 28494

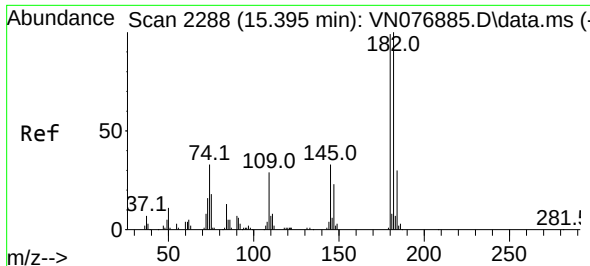
Ion Ratio Lower Upper

75 100

155 77.9 62.5 93.7

157 96.7 77.5 116.3





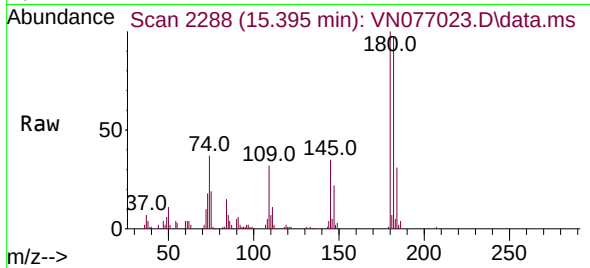
#89
1,2,4-Trichlorobenzene
Concen: 19.663 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



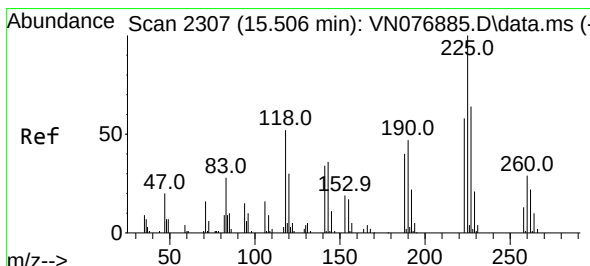
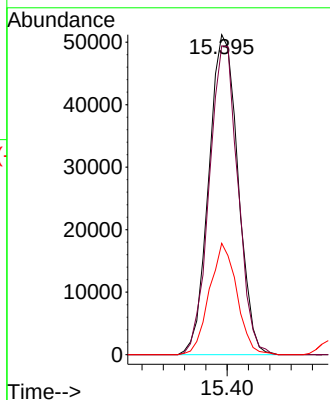
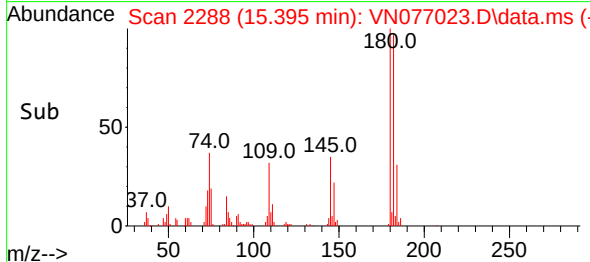
Tgt Ion:180 Resp: 97548
Ion Ratio Lower Upper
180 100
182 94.6 76.6 115.0
145 32.7 24.6 36.8

Manual Integrations

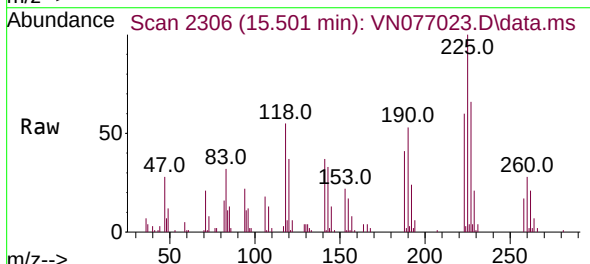
APPROVED

Reviewed By :John Carlone 03/17/2023

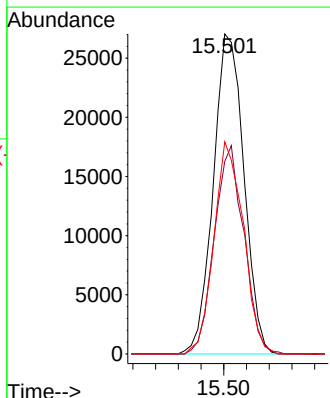
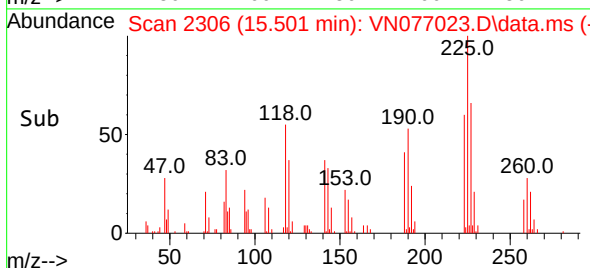
Supervised By :Mahesh Dadoda 03/17/2023

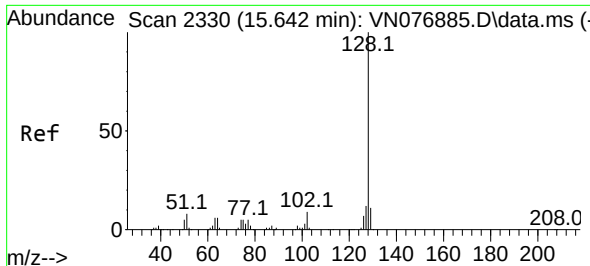


#90
Hexachlorobutadiene
Concen: 19.353 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. -0.000 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



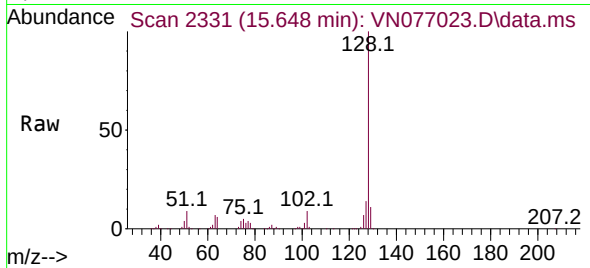
Tgt Ion:225 Resp: 50616
Ion Ratio Lower Upper
225 100
223 62.8 0.0 135.4
227 64.0 0.0 129.4





#91
Naphthalene
Concen: 20.331 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46

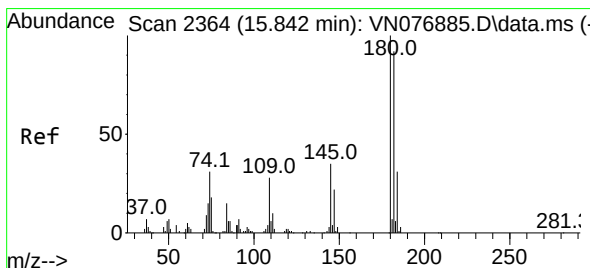
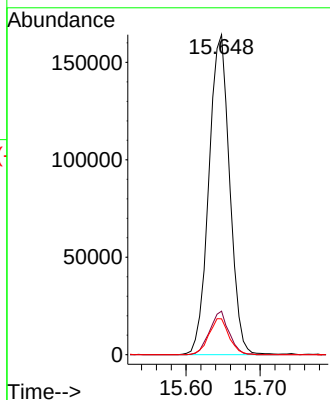
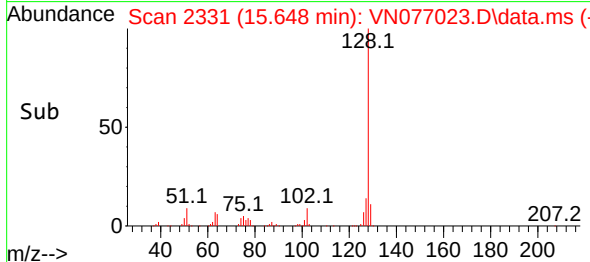
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



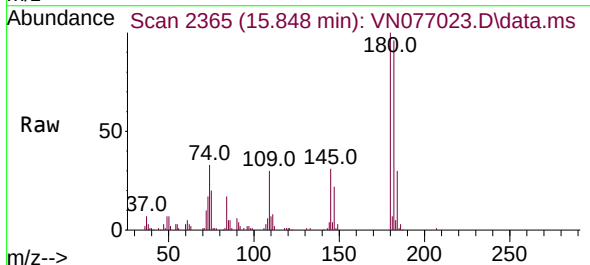
Tgt Ion:128 Resp: 319909
Ion Ratio Lower Upper
128 100
127 12.6 11.0 16.6
129 10.9 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#92
1,2,3-Trichlorobenzene
Concen: 19.587 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: VN077023.D
Acq: 16 Mar 2023 16:46



Tgt Ion:180 Resp: 97418
Ion Ratio Lower Upper
180 100
182 94.2 0.0 190.8
145 33.0 0.0 65.0

