

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076677.D
 Acq On : 15 Feb 2023 10:48
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2023
 Supervised By : Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 11:37:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 15 11:37:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	34236	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.107	114	234791	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	257916	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	94357	23.384	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	77.933%	#	
60) 4-Bromofluorobenzene	12.854	95	139435	23.947	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	79.833%		
63) Toluene-d8	10.566	98	276688	29.217	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	75509	15.935	ug/l	95
3) Chloromethane	2.378	50	90489	15.882	ug/l	99
4) Vinyl Chloride	2.531	62	95601	19.217	ug/l	94
5) Bromomethane	2.966	94	61302	24.544	ug/l	100
6) Chloroethane	3.131	64	62401	21.774	ug/l	95
7) Trichlorofluoromethane	3.513	101	118970	14.083	ug/l	93
8) Diethyl Ether	3.972	74	45575	17.010	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.390	101	70685	17.382	ug/l	99
10) 1,1-Dichloroethene	4.354	96	65828	17.226	ug/l	88
11) Methyl Iodide	4.601	142	89819	16.178	ug/l	86
12) Methyl Acetate	5.043	43	137510	17.148	ug/l	100
13) Acrolein	4.196	56	76174	74.162	ug/l	98
14) Acrylonitrile	5.731	53	214018	91.095	ug/l	98
15) Acetone	4.443	58	75741	111.654	ug/l	85
16) Carbon Disulfide	4.725	76	185255	17.640	ug/l	98
17) Allyl chloride	5.037	41	116072	15.756	ug/l	91
18) Methylene Chloride	5.284	84	84210	18.623	ug/l #	88
19) trans-1,2-Dichloroethene	5.801	96	70301	17.908	ug/l	97
20) Diisopropyl ether	6.678	45	287948	17.123	ug/l	90
21) 1,1-Dichloroethane	6.578	63	148755	16.222	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	87106	18.518	ug/l	98
23) tert-Butyl Alcohol	5.543	59	63815m	80.945	ug/l	
24) Methyl tert-Butyl Ether	5.807	73	233779	16.987	ug/l	94
25) Chloroform	7.972	83	149736	16.502	ug/l	97
26) Cyclohexane	8.266	56	138422	17.011	ug/l #	96
29) 1,1-Dichloropropene	8.378	75	107654	17.714	ug/l	98
30) 2-Butanone	7.489	43	330670	100.800	ug/l	98
31) 2,2-Dichloropropane	7.495	77	112390	17.811	ug/l #	71
32) 1,1,1-Trichloroethane	8.172	97	122192	16.205	ug/l	96
33) Carbon Tetrachloride	8.366	117	108116	16.621	ug/l	96
34) Benzene	8.613	78	348278	18.651	ug/l #	88
35) Methacrylonitrile	7.784	41	67561	17.912	ug/l	92
36) 1,2-Dichloroethane	8.672	62	119020	16.621	ug/l	100
37) Trichloroethene	9.354	130	77187	20.189	ug/l	96
38) Methylcyclohexane	9.601	83	137421	20.429	ug/l	99
39) 1,2-Dichloropropane	9.625	63	88101	19.770	ug/l	95
40) Dibromomethane	9.713	93	57739	19.695	ug/l	94
41) Bromodichloromethane	9.889	83	115665	18.764	ug/l #	99
42) Vinyl Acetate	6.613	43	906192	84.926	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	121478m	18.160	ug/l	
44) Isopropyl Acetate	8.695	43	203638	18.507	ug/l	100
45) 1,4-Dioxane	9.695	88	32813	365.825	ug/l	99
46) Methyl methacrylate	9.683	41	91817	17.307	ug/l	92
47) n-amyl Acetate	12.495	43	176699	18.893	ug/l	96
48) t-1,3-Dichloropropene	10.836	75	116750	18.815	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	131901	19.230	ug/l #	89
50) 1,1,2-Trichloroethane	11.019	97	84275	21.167	ug/l	94
51) Ethyl methacrylate	10.872	69	122575	19.389	ug/l	92
52) 1,3-Dichloropropane	11.166	76	144829	19.514	ug/l	99
53) Dibromochloromethane	11.360	129	84866	20.513	ug/l	97
54) 1,2-Dibromoethane	11.472	107	81466	20.221	ug/l	98
55) 2-Chloroethyl vinyl ether	10.166	63	259831	89.979	ug/l	97
56) Bromoform	12.577	173	57265	21.492	ug/l	98
58) 4-Methyl-2-Pentanone	10.448	43	651939	90.422	ug/l	96
59) 2-Hexanone	11.195	43	490159	93.502	ug/l	95
61) Tetrachloroethene	11.101	164	63213	19.174	ug/l	92
62) Toluene	10.630	91	371565	19.431	ug/l	99
64) Chlorobenzene	11.895	112	216483	19.543	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.966	131	79133	18.843	ug/l	96
66) Ethyl Benzene	11.966	91	394019	18.796	ug/l	100
67) m/p-Xylenes	12.071	106	315646	40.131	ug/l	94
68) o-Xylene	12.401	106	153091	19.757	ug/l	98
69) Styrene	12.413	104	246613	20.050	ug/l	100
70) Isopropylbenzene	12.695	105	397914	19.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.936	83	128257	17.716	ug/l	96
72) 1,2,3-Trichloropropane	12.995	75	117346m	17.746	ug/l	
73) Bromobenzene	12.983	156	92261	18.724	ug/l	85
74) n-propylbenzene	13.036	91	471121	17.689	ug/l	99
75) 2-Chlorotoluene	13.124	91	279097	16.659	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	329096	16.971	ug/l	96
77) t-1,4-Dichloro-2-butene	12.742	75	35430	17.764	ug/l	88
78) 4-Chlorotoluene	13.224	91	267897	15.903	ug/l	98
79) tert-butylbenzene	13.442	119	294080	17.867	ug/l	98
80) 1,2,4-Trimethylbenzene	13.483	105	330215	17.268	ug/l	100
81) sec-Butylbenzene	13.618	105	427464	18.548	ug/l	99
82) p-Isopropyltoluene	13.730	119	344045	18.579	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	169719	18.622	ug/l	98
84) 1,4-Dichlorobenzene	13.813	146	168852	18.570	ug/l	98
85) n-Butylbenzene	14.060	91	281829	16.389	ug/l	98
86) Hexachloroethane	14.336	117	64697	17.993	ug/l	93
87) 1,2-Dichlorobenzene	14.107	146	170355	17.028	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.724	75	24781	16.793	ug/l	93
89) 1,2,4-Trichlorobenzene	15.395	180	83422	19.993	ug/l	97
90) Hexachlorobutadiene	15.501	225	40039	19.864	ug/l	95
91) Naphthalene	15.642	128	276161	19.399	ug/l	99
92) 1,2,3-Trichlorobenzene	15.848	180	84197	20.218	ug/l	97

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

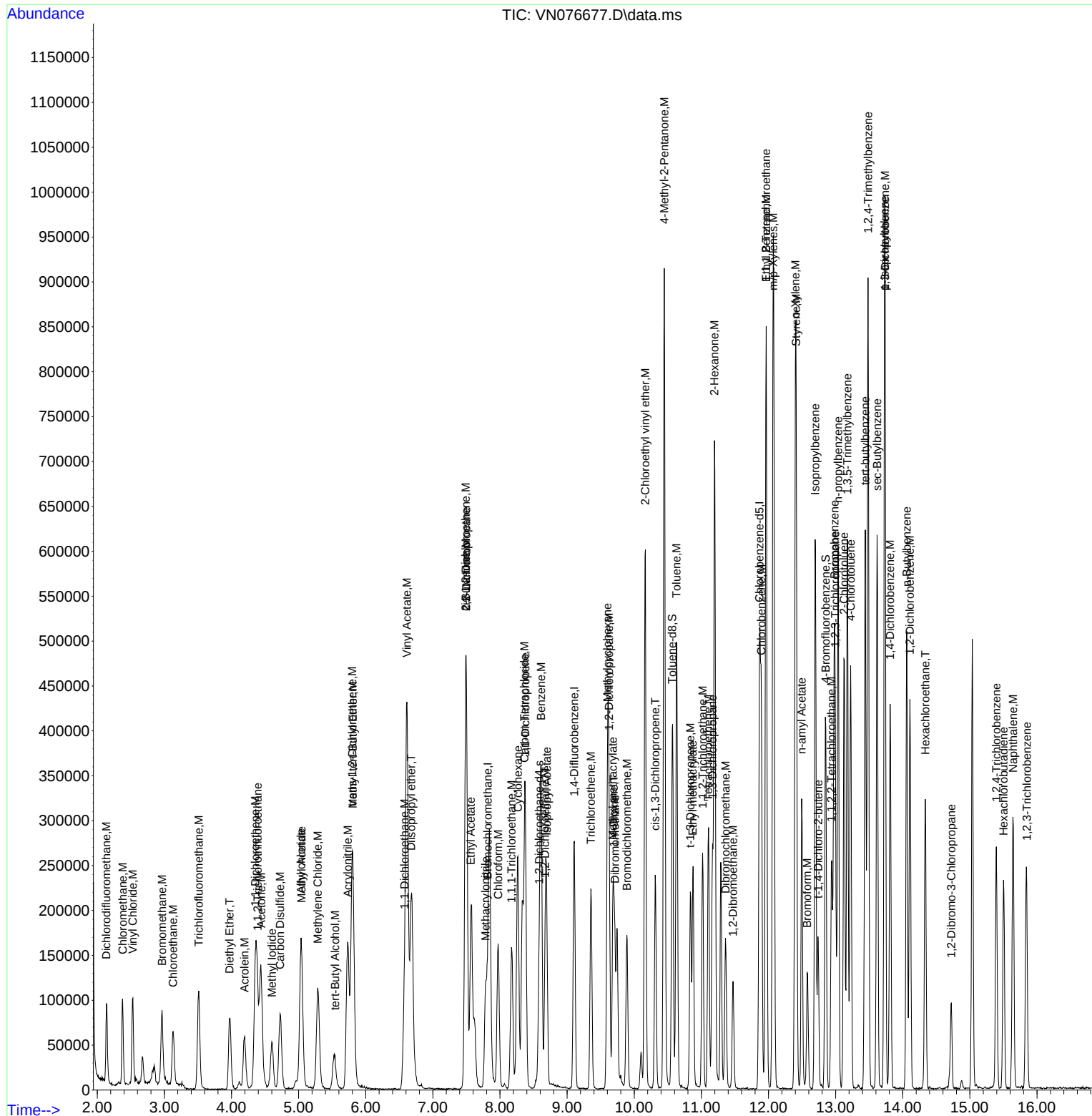
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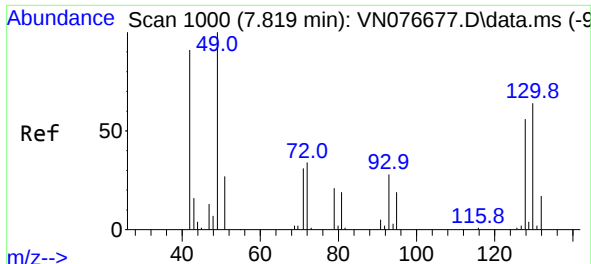
Instrument :
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ClientSampleId :
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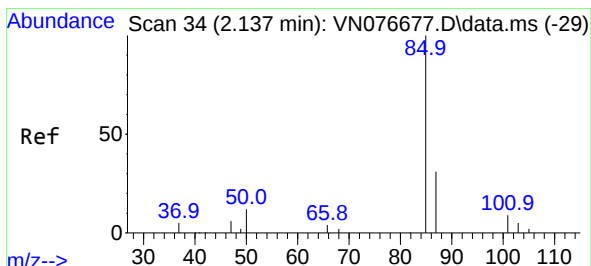
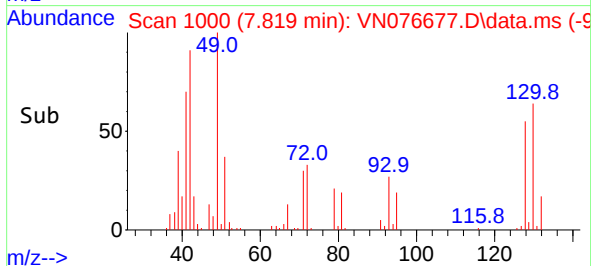
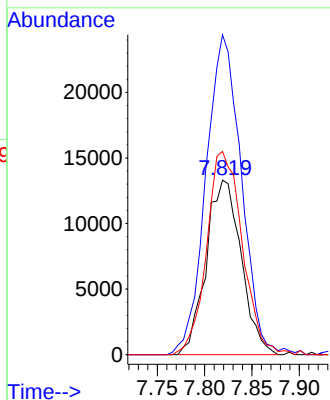
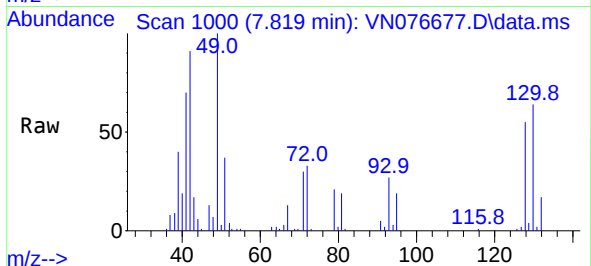
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 34230
Ion Ratio Lower Upper
128 100
49 184.7 0.0 492.0
130 118.1 0.0 313.3

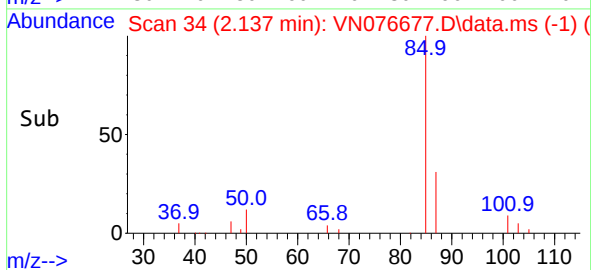
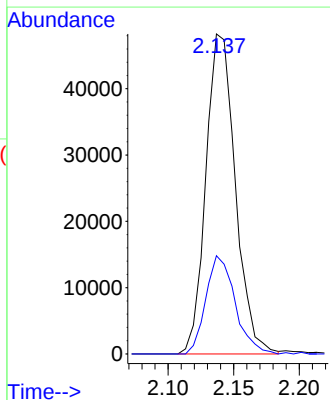
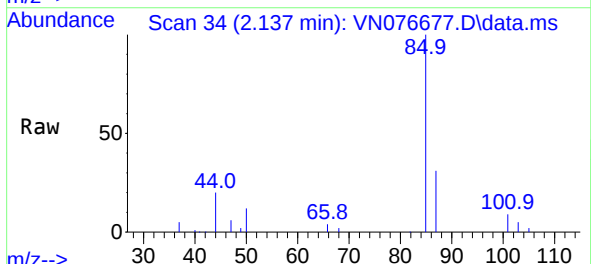
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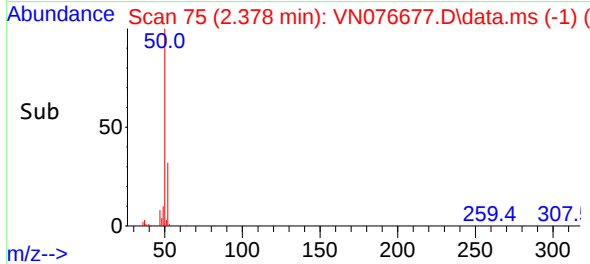
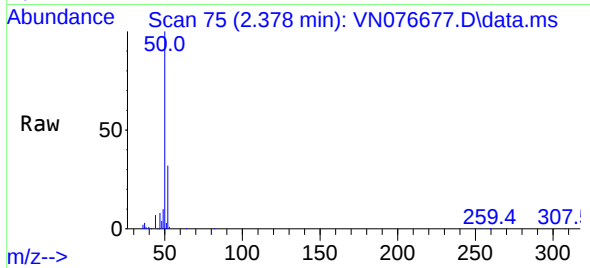
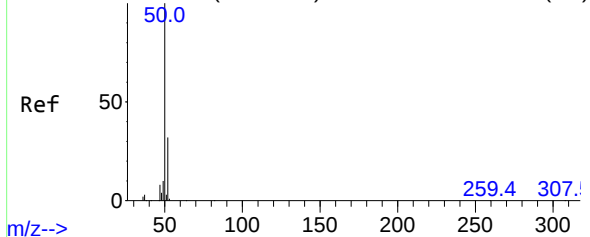


#2
Dichlorodifluoromethane
Concen: 15.935 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion: 85 Resp: 75509
Ion Ratio Lower Upper
85 100
87 30.7 16.7 50.1



Abundance Scan 75 (2.378 min): VN076677.D\data.ms (-68)



#3

Chloromethane

Concen: 15.882 ug/l

RT: 2.378 min Scan# 75

Delta R.T. -0.005 min

Lab File: VN076677.D

Acq: 15 Feb 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 50 Resp: 90489

Ion Ratio Lower Upper

50 100

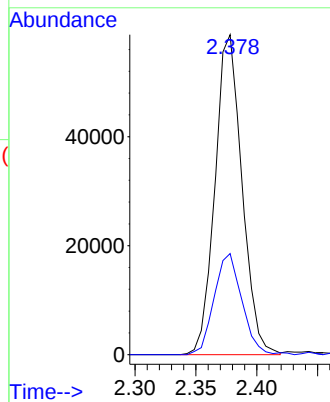
52 31.6 25.5 38.3

Manual Integrations

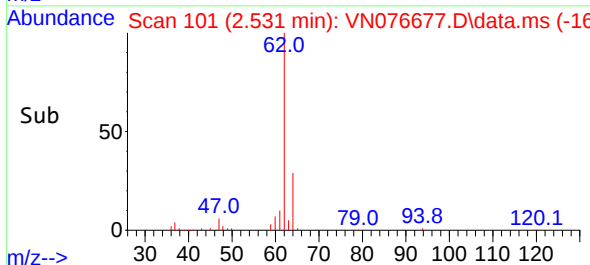
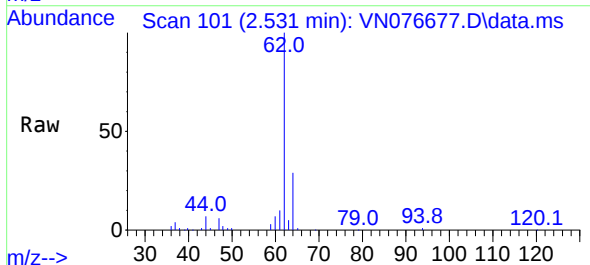
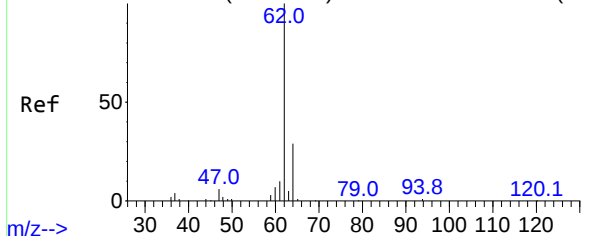
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Abundance Scan 101 (2.531 min): VN076677.D\data.ms (-93)



#4

Vinyl Chloride

Concen: 19.217 ug/l

RT: 2.531 min Scan# 101

Delta R.T. 0.001 min

Lab File: VN076677.D

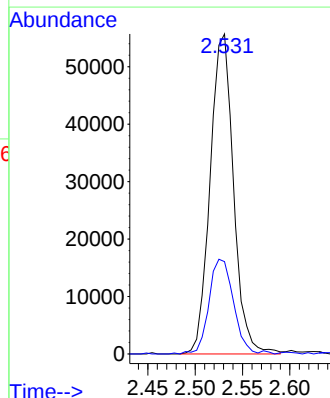
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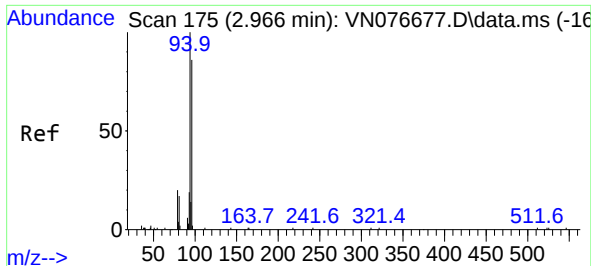
Tgt Ion: 62 Resp: 95601

Ion Ratio Lower Upper

62 100

64 28.9 25.6 38.4





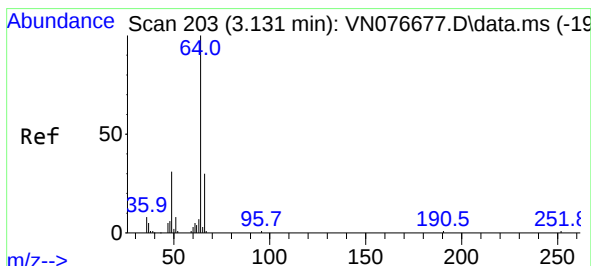
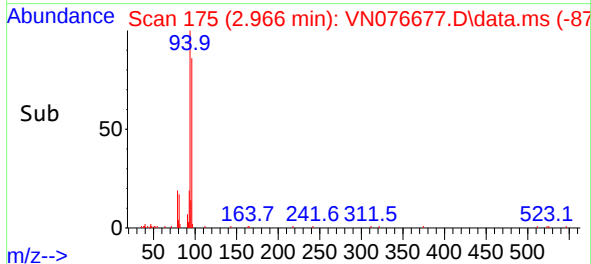
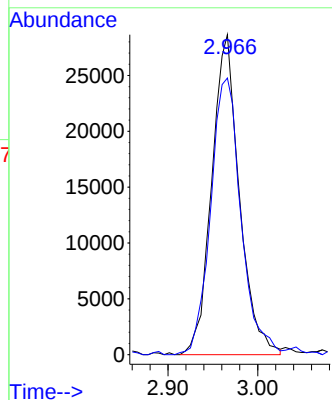
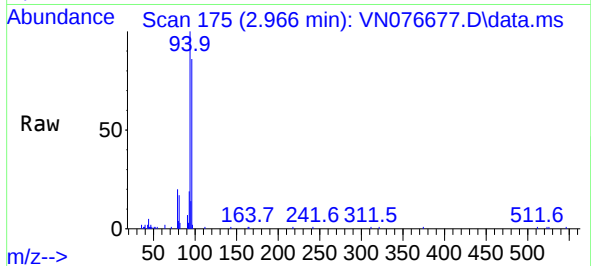
#5
Bromomethane
Concen: 24.544 ug/l
RT: 2.966 min Scan# 175
Delta R.T. 0.018 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

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ClientSampleId :
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Tgt Ion: 94 Resp: 61302
Ion Ratio Lower Upper
94 100
96 85.8 68.3 102.5

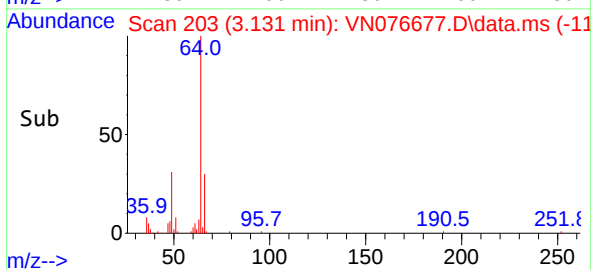
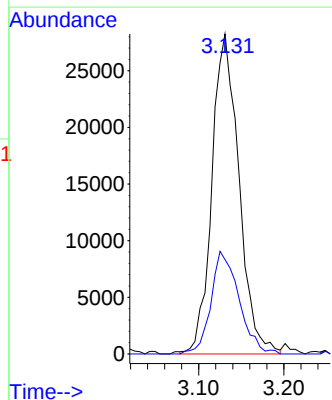
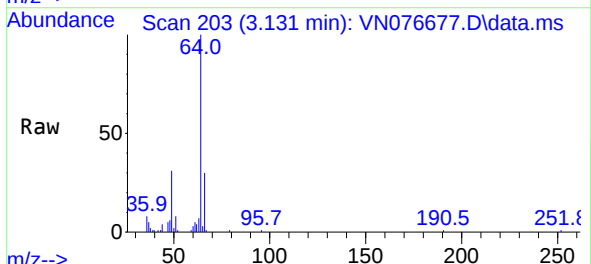
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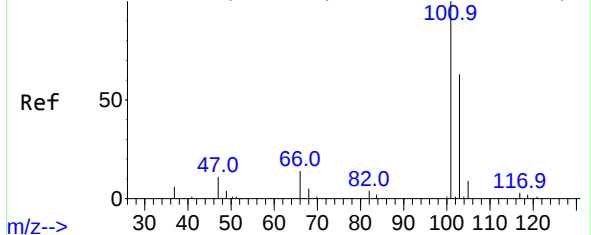


#6
Chloroethane
Concen: 21.774 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion: 64 Resp: 62401
Ion Ratio Lower Upper
64 100
66 29.7 21.8 32.8



Abundance Scan 268 (3.513 min): VN076677.D\data.ms (-25



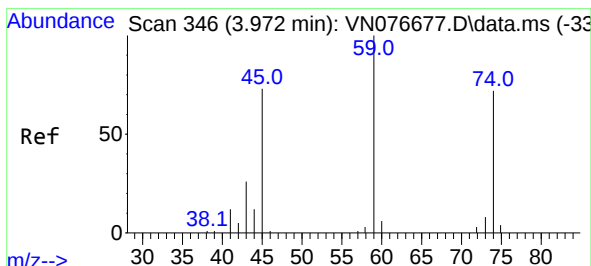
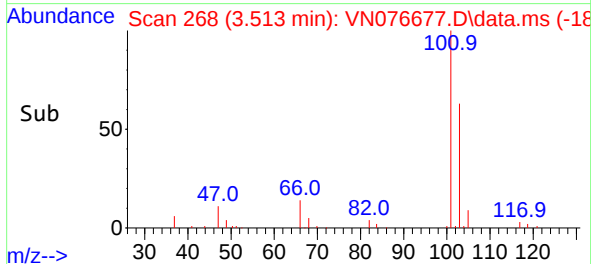
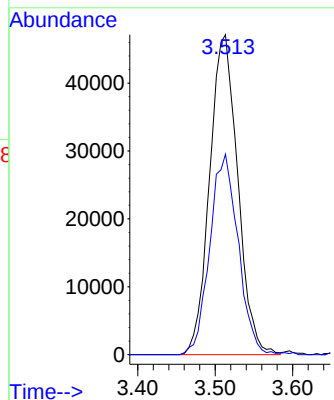
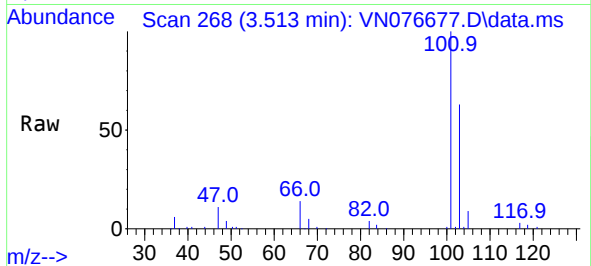
#7
Trichlorofluoromethane
Concen: 14.083 ug/l
RT: 3.513 min Scan# 20
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 118970
Ion Ratio Lower Upper
101 100
103 62.7 54.8 82.2

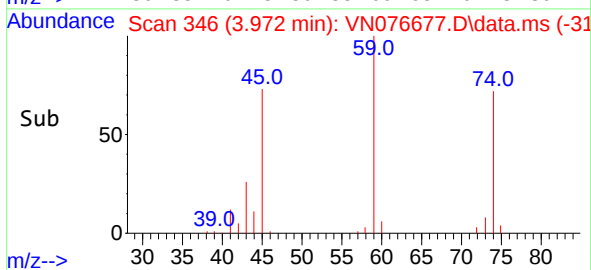
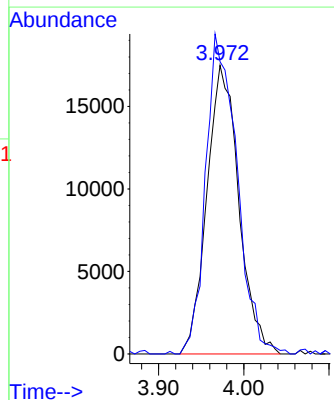
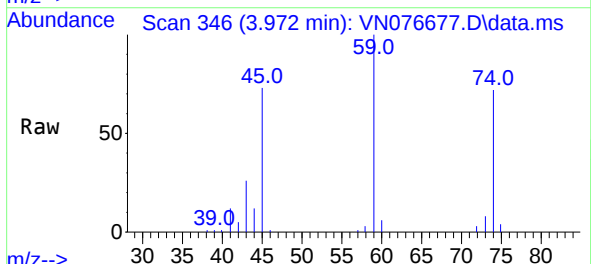
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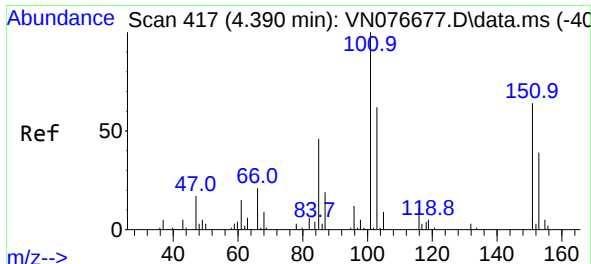
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#8
Diethyl Ether
Concen: 17.010 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.017 min
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Acq: 15 Feb 2023 10:48

Tgt Ion: 74 Resp: 45575
Ion Ratio Lower Upper
74 100
45 107.2 19.0 171.0





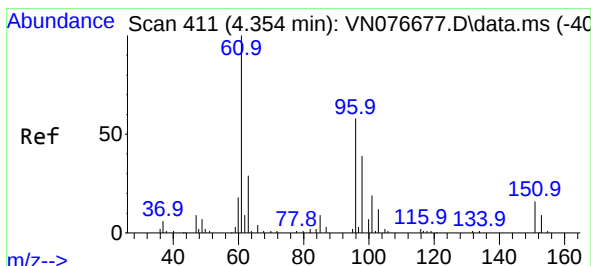
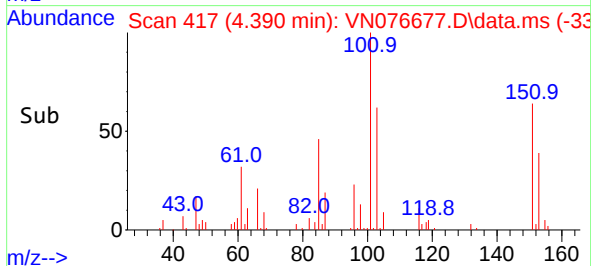
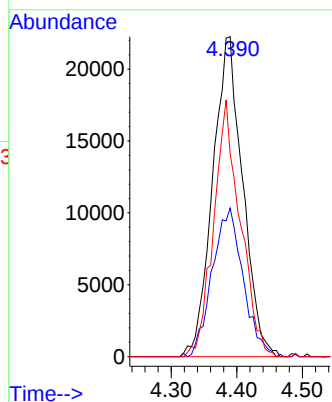
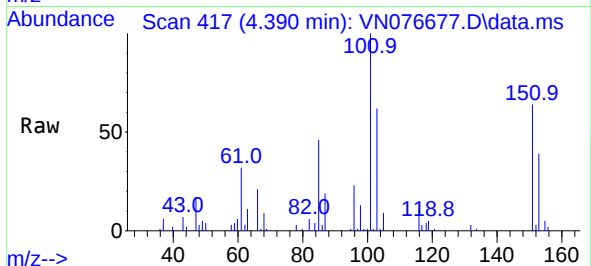
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.382 ug/l
RT: 4.390 min Scan# 417
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 7068
Ion Ratio Lower Upper
101 100
85 47.6 0.0 94.6
151 71.1 0.0 144.8

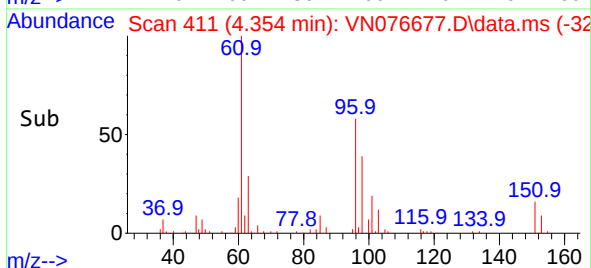
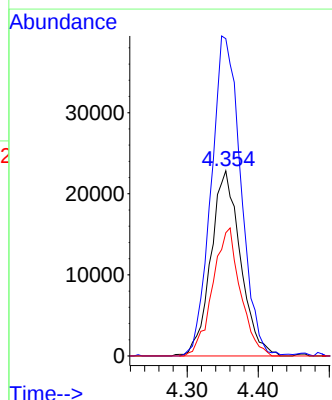
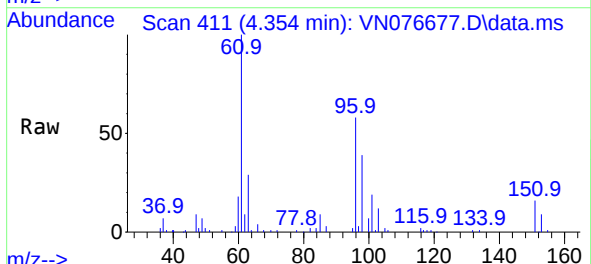
Manual Integrations
APPROVED

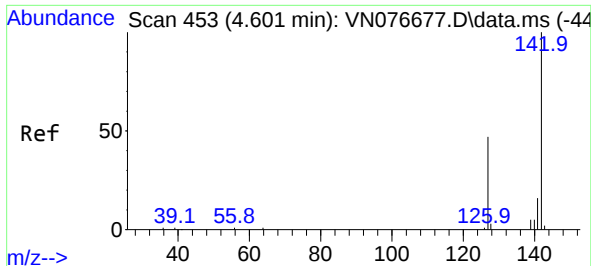
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#10
1,1-Dichloroethene
Concen: 17.226 ug/l
RT: 4.354 min Scan# 411
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

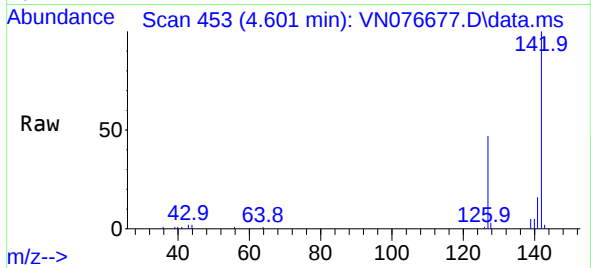
Tgt Ion: 96 Resp: 65828
Ion Ratio Lower Upper
96 100
61 171.4 125.5 188.3
98 66.5 45.0 67.4





#11
Methyl Iodide
Concen: 16.178 ug/l
RT: 4.601 min Scan# 453
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

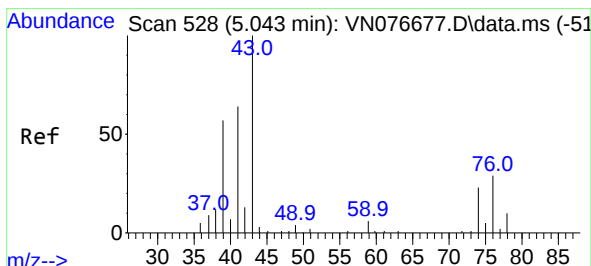
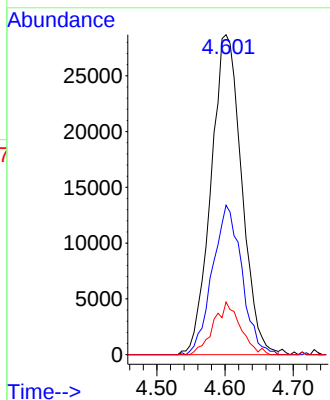
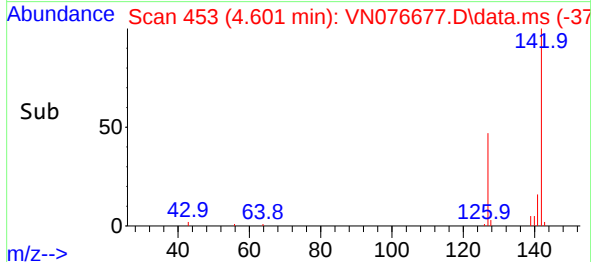
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



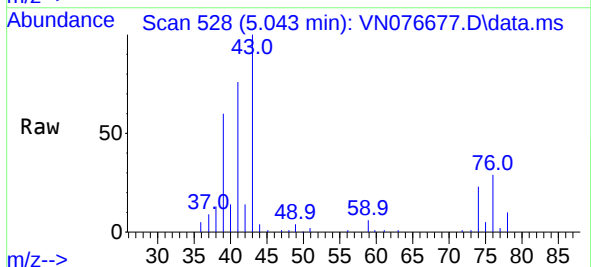
Tgt Ion:142 Resp: 89819
Ion Ratio Lower Upper
142 100
127 50.0 19.3 57.8
141 16.0 7.7 23.1

Manual Integrations
APPROVED

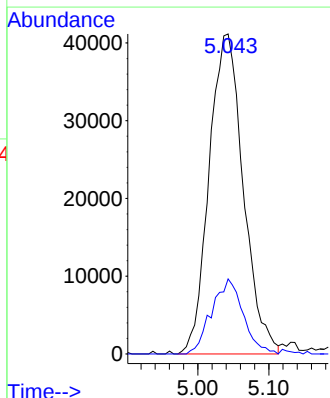
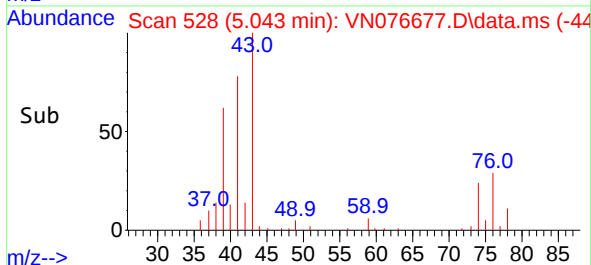
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

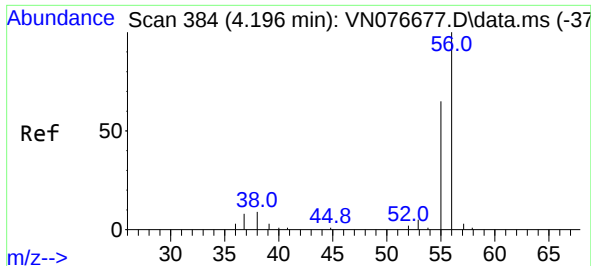


#12
Methyl Acetate
Concen: 17.148 ug/l
RT: 5.043 min Scan# 528
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



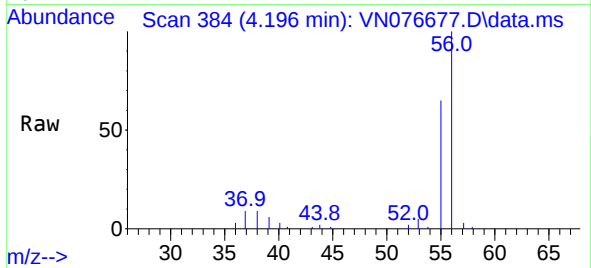
Tgt Ion: 43 Resp: 137510
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.6





#13
Acrolein
Concen: 74.162 ug/l
RT: 4.196 min Scan# 384
Delta R.T. -0.010 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

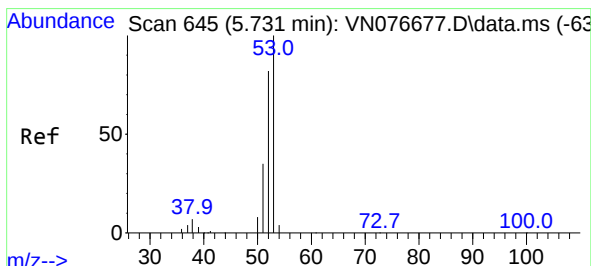
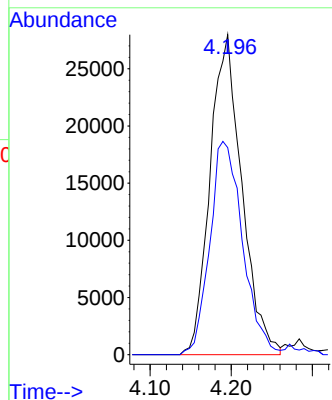
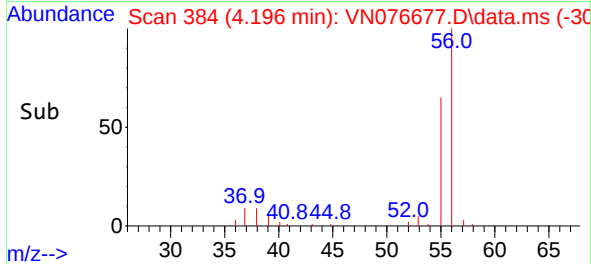
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



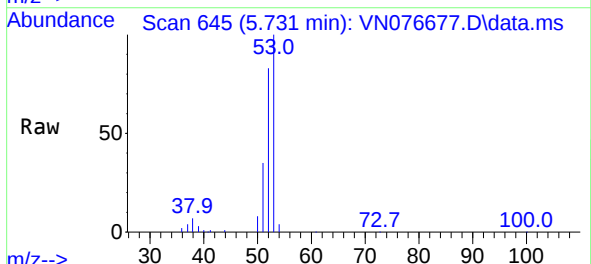
Tgt Ion: 56 Resp: 76174
Ion Ratio Lower Upper
56 100
55 68.7 56.2 84.2

Manual Integrations
APPROVED

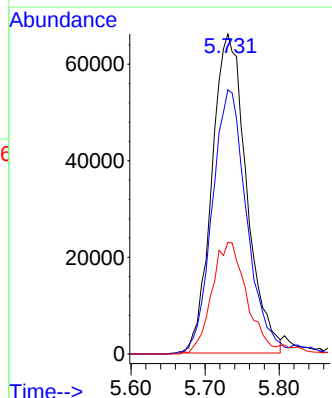
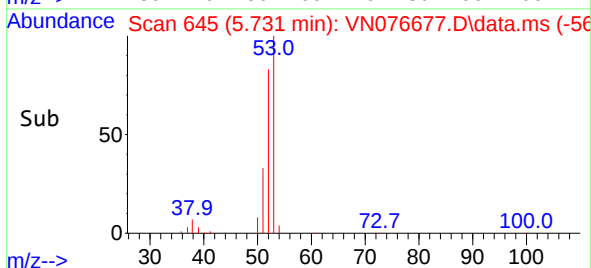
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

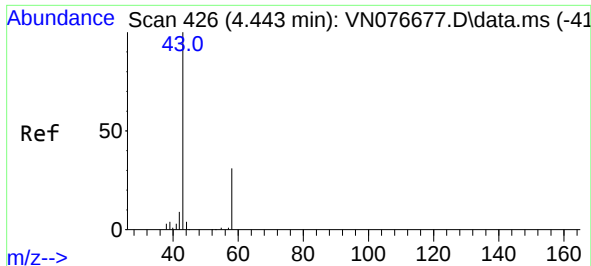


#14
Acrylonitrile
Concen: 91.095 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 53 Resp: 214018
Ion Ratio Lower Upper
53 100
52 83.1 40.8 122.4
51 35.2 17.0 51.0





#15

Acetone

Concen: 111.654 ug/l

RT: 4.443 min Scan# 41

Delta R.T. -0.010 min

Lab File: VN076677.D

Acq: 15 Feb 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 58 Resp: 7574

Ion Ratio Lower Upper

58 100

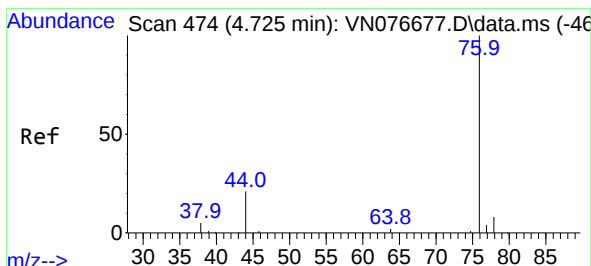
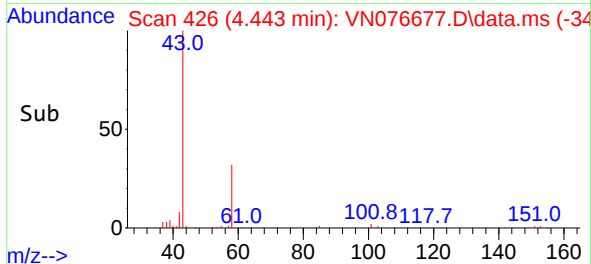
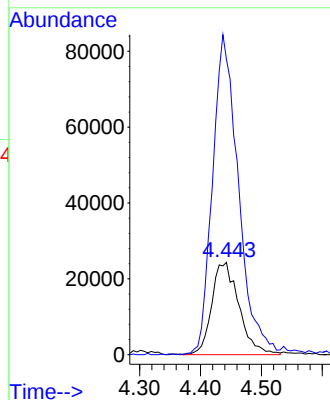
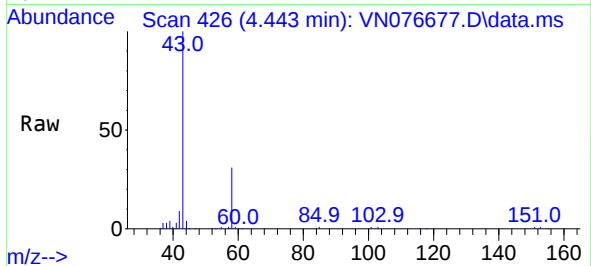
43 319.2 232.2 348.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#16

Carbon Disulfide

Concen: 17.640 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.011 min

Lab File: VN076677.D

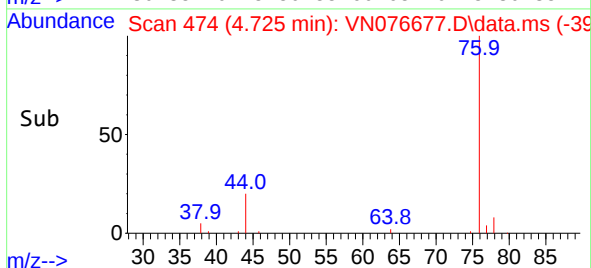
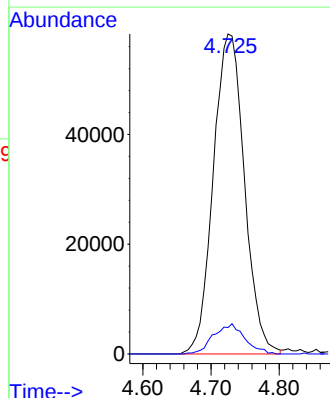
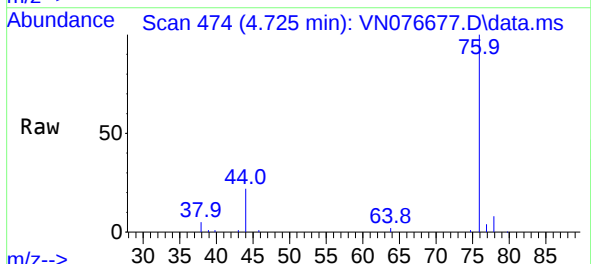
Acq: 15 Feb 2023 10:48

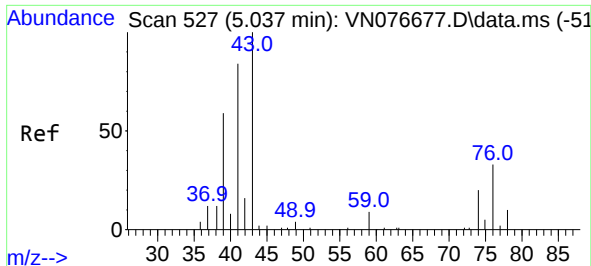
Tgt Ion: 76 Resp: 185255

Ion Ratio Lower Upper

76 100

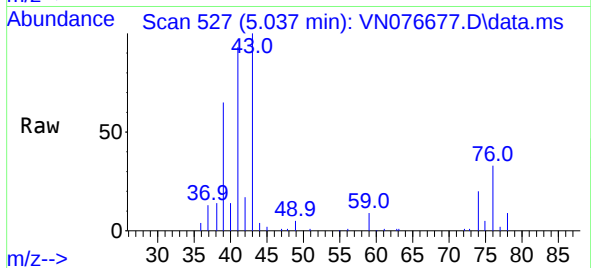
78 8.2 7.2 10.8





#17
 Allyl chloride
 Concen: 15.756 ug/l
 RT: 5.037 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN076677.D
 Acq: 15 Feb 2023 10:48

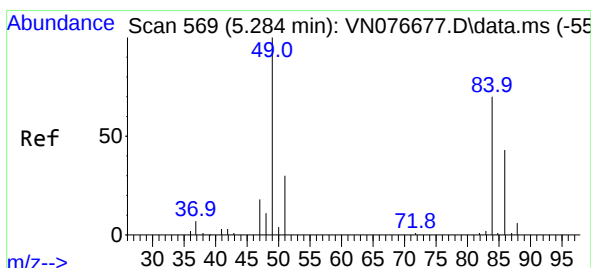
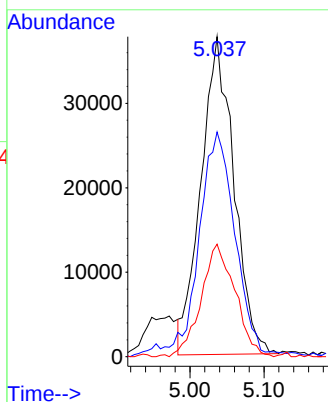
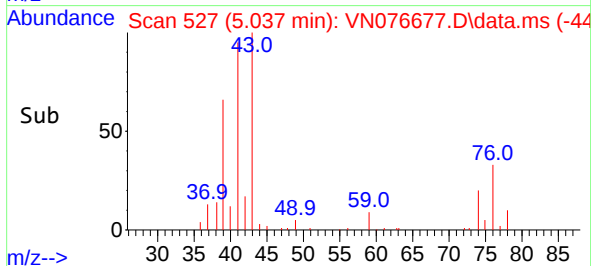
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



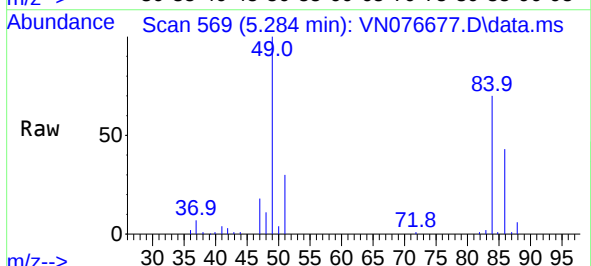
Tgt Ion: 41 Resp: 116072
 Ion Ratio Lower Upper
 41 100
 39 69.5 39.1 117.5
 76 35.0 19.8 59.4

Manual Integrations
 APPROVED

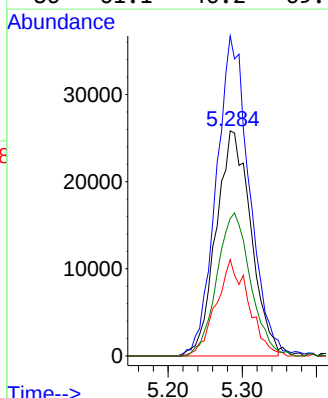
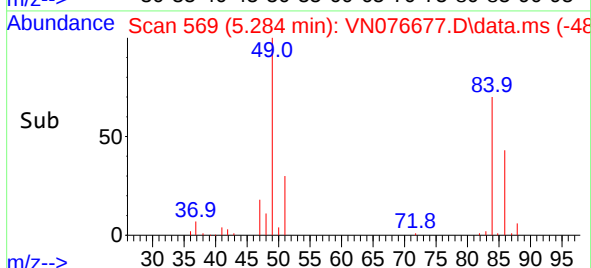
Reviewed By :John Carlone 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

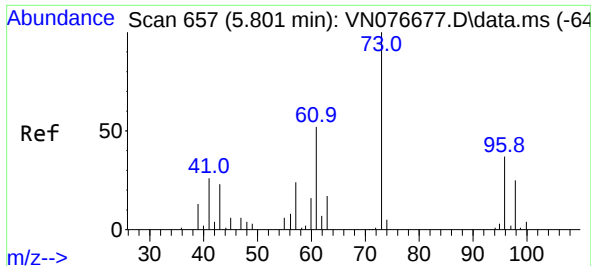


#18
 Methylene Chloride
 Concen: 18.623 ug/l
 RT: 5.284 min Scan# 569
 Delta R.T. -0.016 min
 Lab File: VN076677.D
 Acq: 15 Feb 2023 10:48



Tgt Ion: 84 Resp: 84210
 Ion Ratio Lower Upper
 84 100
 49 142.2 99.6 149.4
 51 42.8 28.2 42.2#
 86 61.1 46.2 69.4





#19

trans-1,2-Dichloroethene

Concen: 17.908 ug/l

RT: 5.801 min Scan# 61

Delta R.T. -0.011 min

Lab File: VN076677.D

Acq: 15 Feb 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 96 Resp: 7030

Ion Ratio Lower Upper

96 100

61 138.7 110.2 165.4

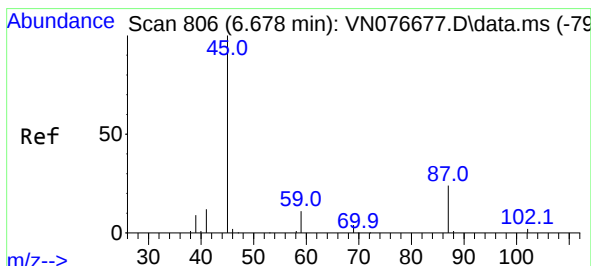
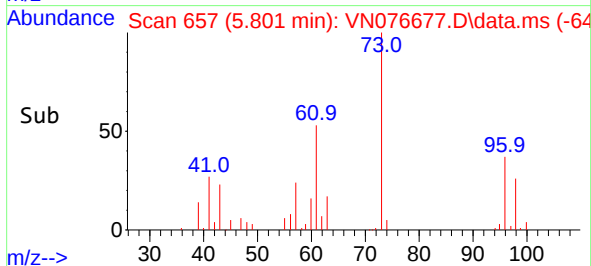
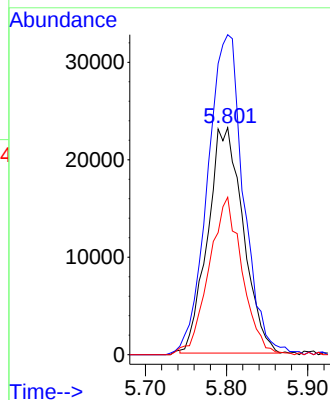
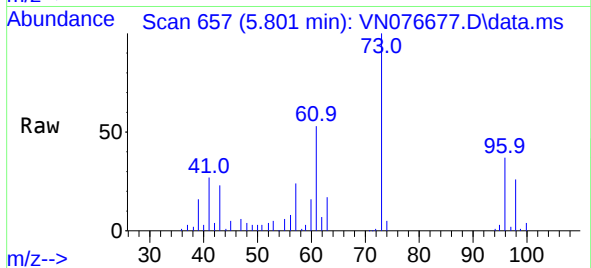
98 68.8 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#20

Diisopropyl ether

Concen: 17.123 ug/l

RT: 6.678 min Scan# 806

Delta R.T. -0.016 min

Lab File: VN076677.D

Acq: 15 Feb 2023 10:48

Tgt Ion: 45 Resp: 287948

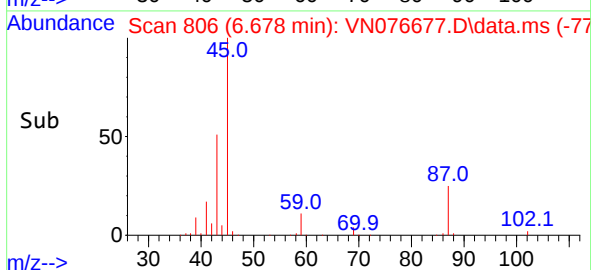
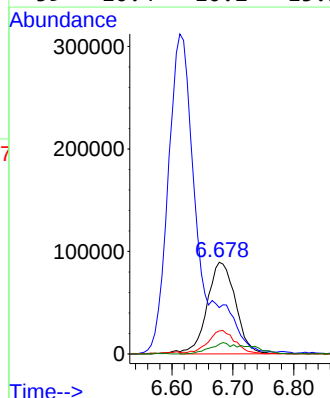
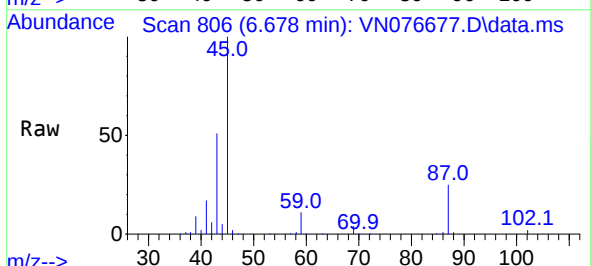
Ion Ratio Lower Upper

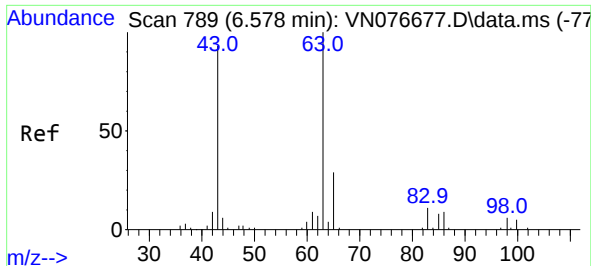
45 100

43 48.3 47.3 70.9

87 25.1 21.8 32.8

59 10.4 10.2 15.2





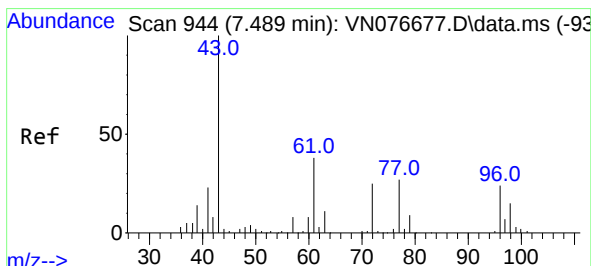
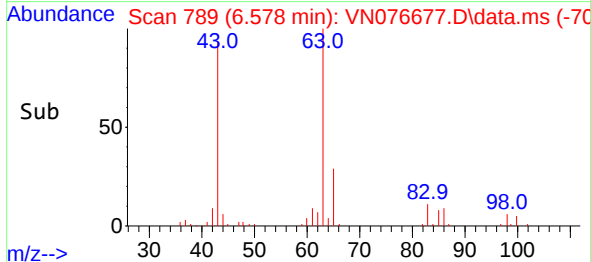
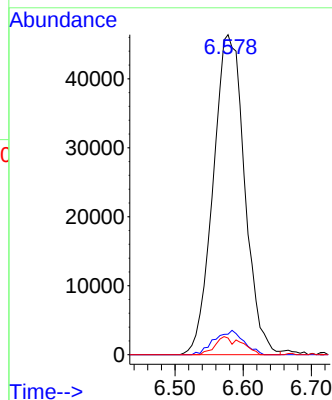
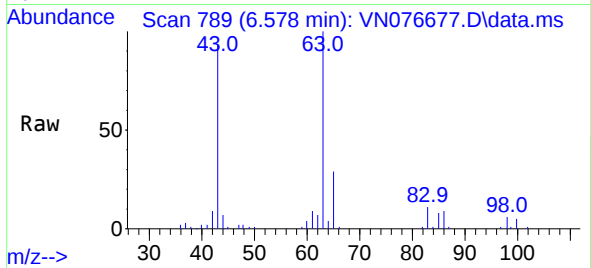
#21
1,1-Dichloroethane
Concen: 16.222 ug/l
RT: 6.578 min Scan# 789
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 14875
Ion Ratio Lower Upper
63 100
98 7.3 3.3 9.9
100 5.2 2.2 6.6

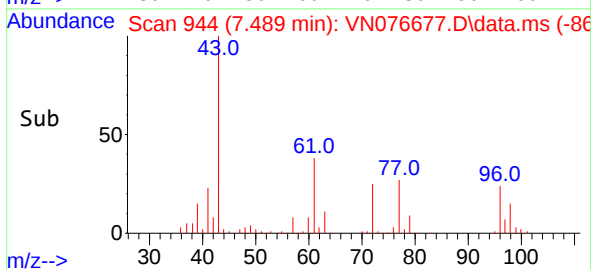
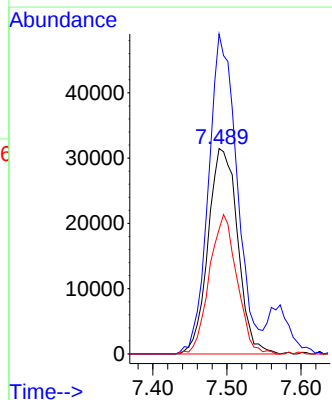
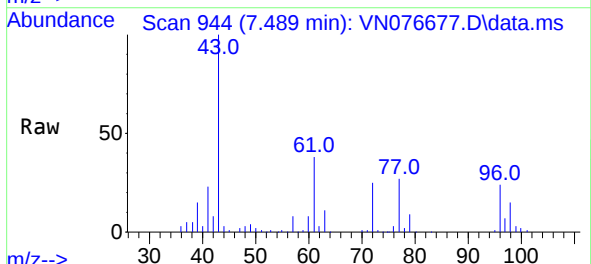
Manual Integrations
APPROVED

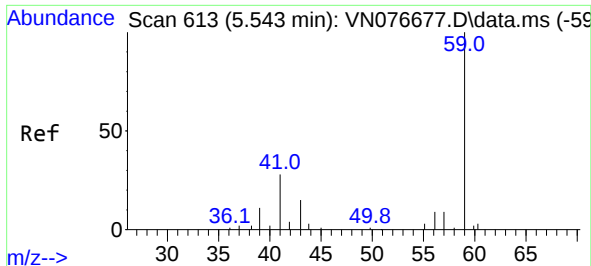
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#22
cis-1,2-Dichloroethene
Concen: 18.518 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

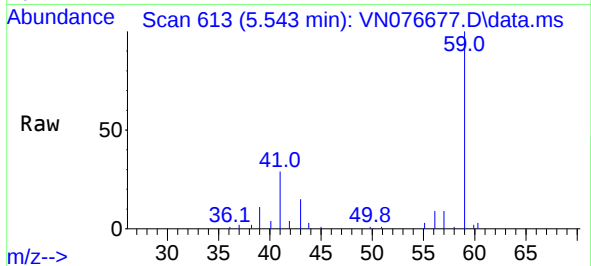
Tgt Ion: 96 Resp: 87106
Ion Ratio Lower Upper
96 100
61 151.2 118.8 178.2
98 62.6 52.1 78.1





#23
tert-Butyl Alcohol
Concen: 80.945 ug/l m
RT: 5.543 min Scan# 613
Delta R.T. -0.016 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

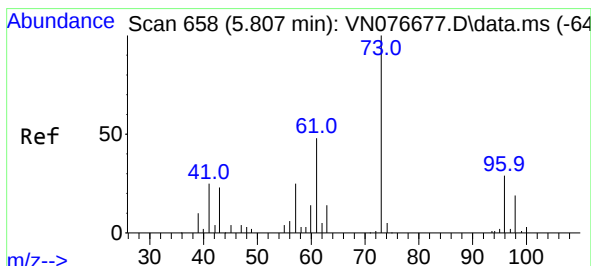
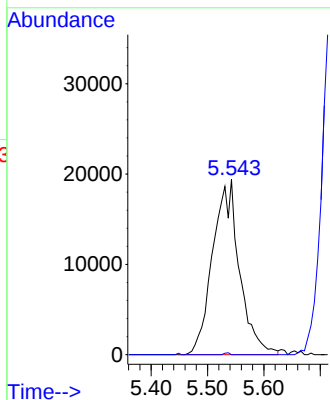
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



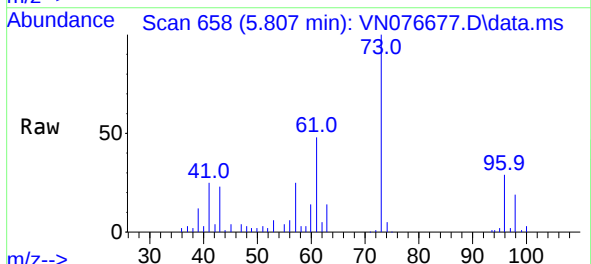
Tgt Ion: 59 Resp: 63815
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.4

Manual Integrations
APPROVED

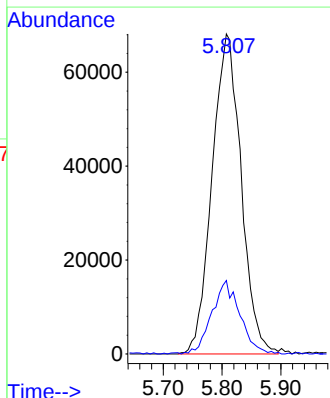
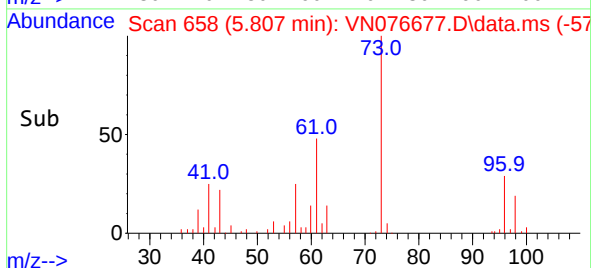
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

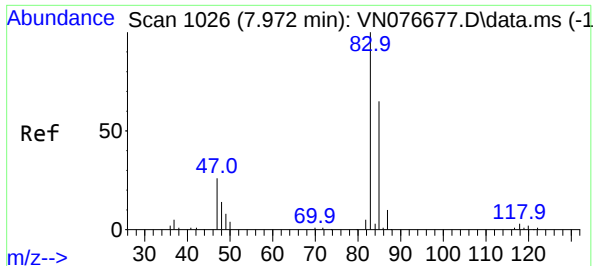


#24
Methyl tert-Butyl Ether
Concen: 16.987 ug/l
RT: 5.807 min Scan# 658
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 73 Resp: 233779
Ion Ratio Lower Upper
73 100
43 22.2 15.6 23.4





#25

Chloroform

Concen: 16.502 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.005 min

Lab File: VN076677.D

Acq: 15 Feb 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 149730

Ion Ratio Lower Upper

83 100

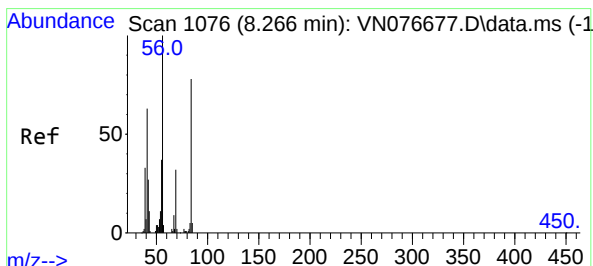
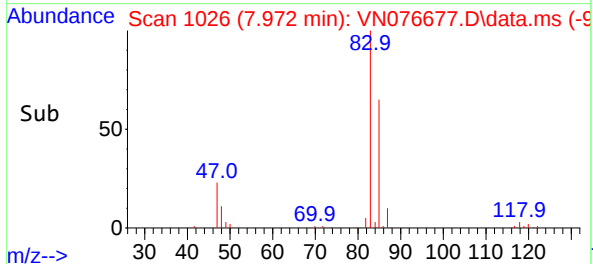
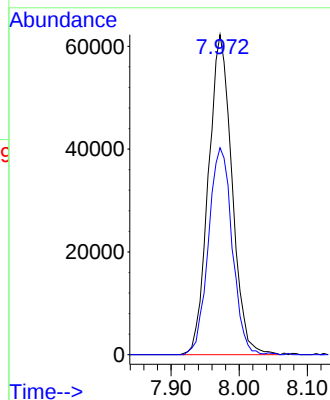
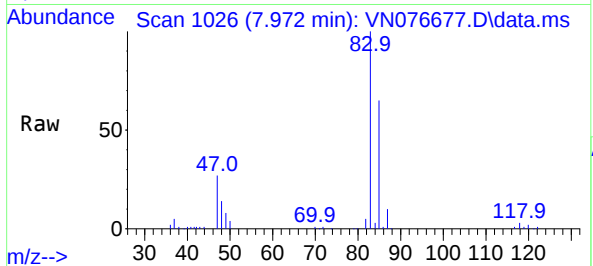
85 64.7 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#26

Cyclohexane

Concen: 17.011 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. 0.001 min

Lab File: VN076677.D

Acq: 15 Feb 2023 10:48

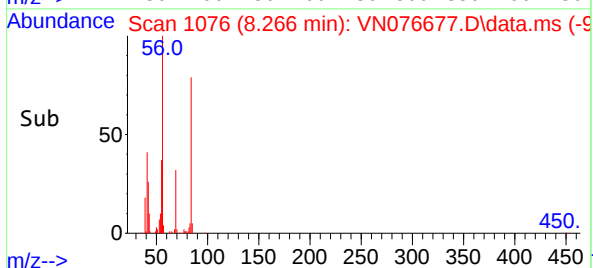
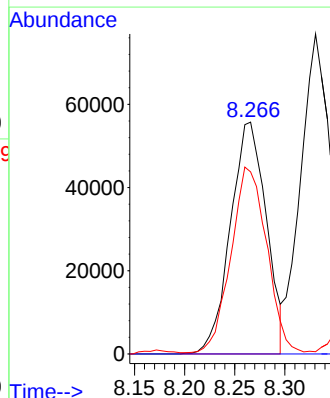
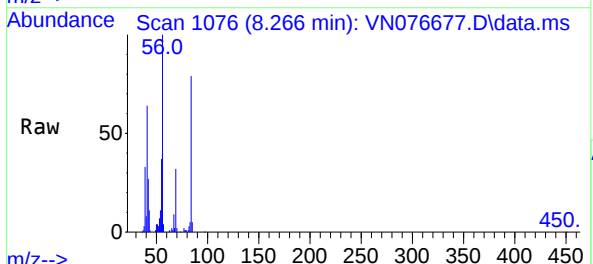
Tgt Ion: 56 Resp: 138422

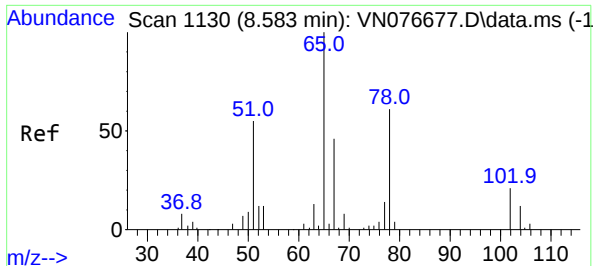
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 81.6 68.4 102.6





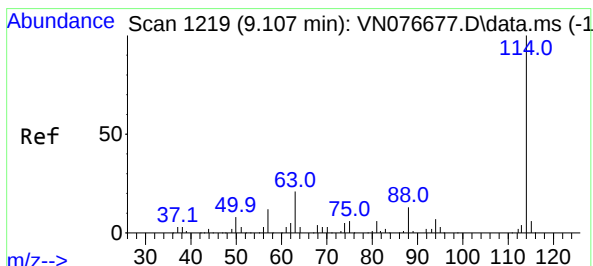
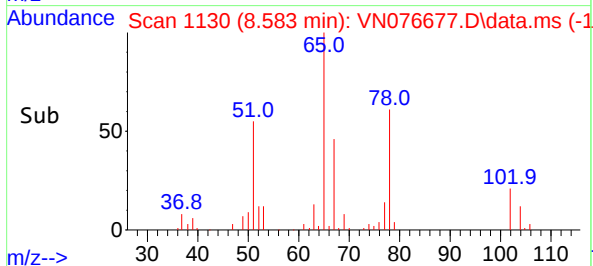
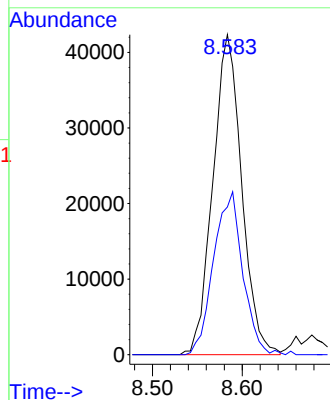
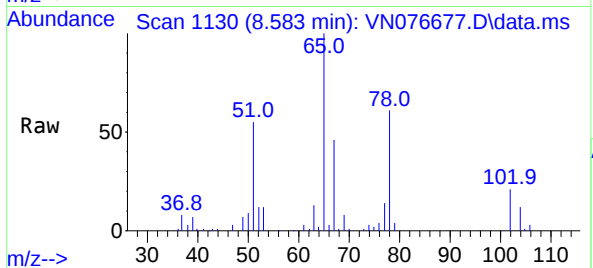
#27
1,2-Dichloroethane-d4
Concen: 23.384 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 65 Resp: 9435
Ion Ratio Lower Upper
65 100
67 51.1 45.2 67.8

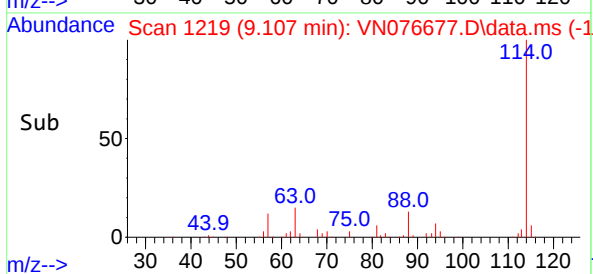
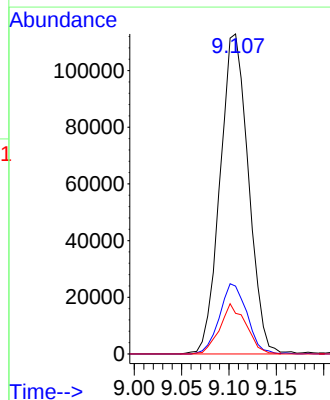
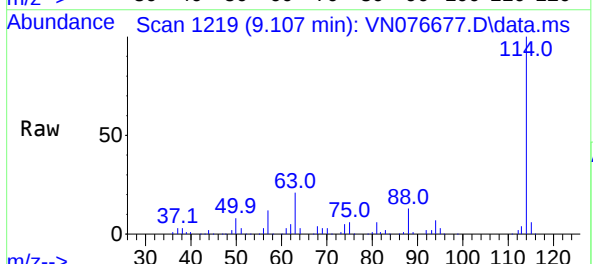
Manual Integrations
APPROVED

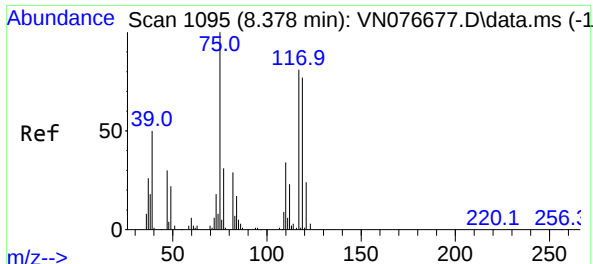
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

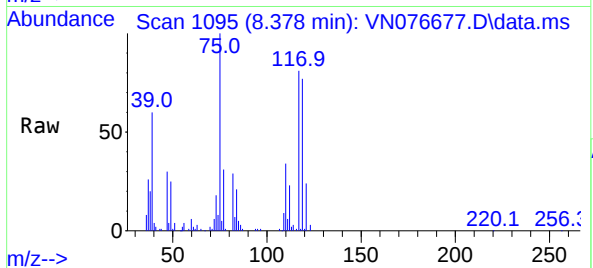
Tgt Ion:114 Resp: 234791
Ion Ratio Lower Upper
114 100
63 21.2 16.6 25.0
88 14.5 12.2 18.4





#29
1,1-Dichloropropene
Concen: 17.714 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

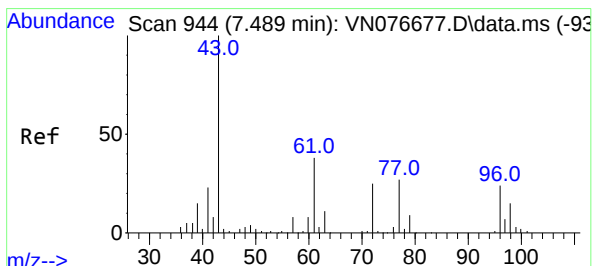
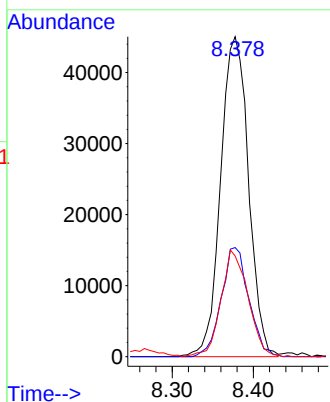
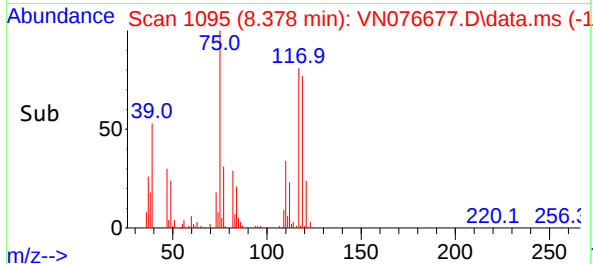
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 107654
Ion Ratio Lower Upper
75 100
110 33.6 0.0 72.2
77 32.2 0.0 64.0

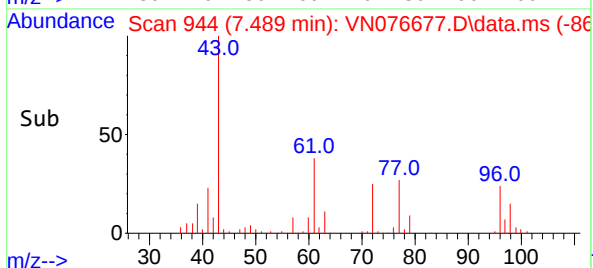
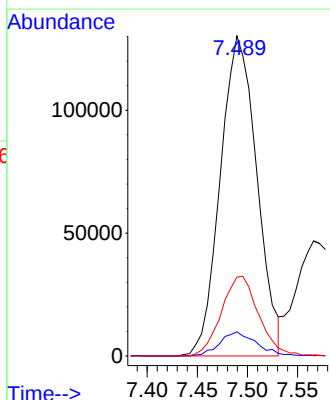
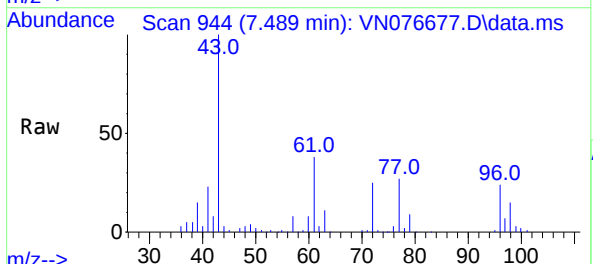
Manual Integrations
APPROVED

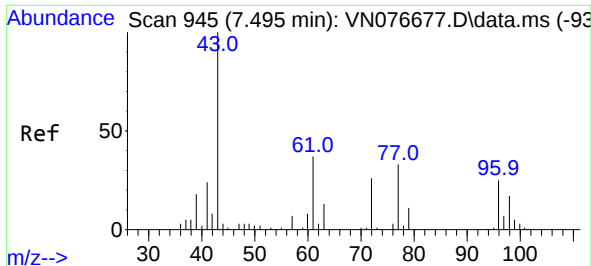
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#30
2-Butanone
Concen: 100.800 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.017 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion: 43 Resp: 330670
Ion Ratio Lower Upper
43 100
57 7.6 6.3 9.5
72 25.3 21.0 31.4





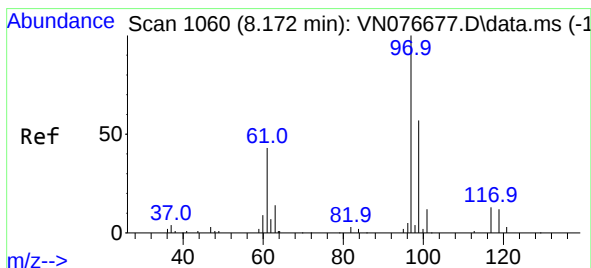
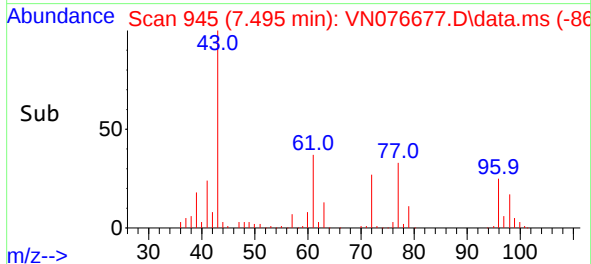
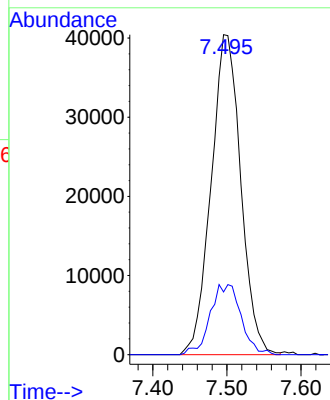
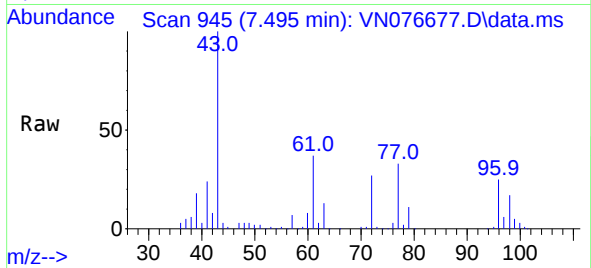
#31
2,2-Dichloropropane
Concen: 17.811 ug/l
RT: 7.495 min Scan# 945
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 112390
Ion Ratio Lower Upper
77 100
97 9.0 18.4 27.6

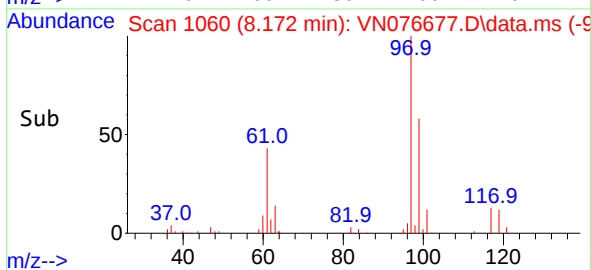
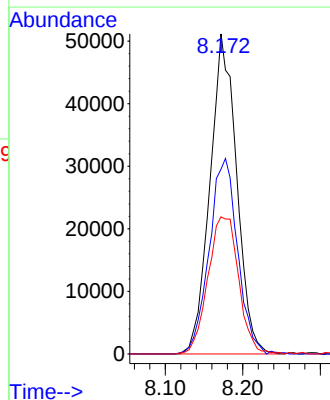
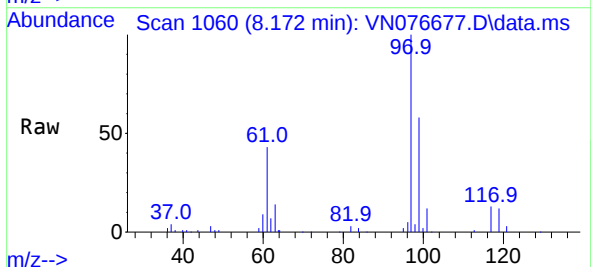
Manual Integrations
APPROVED

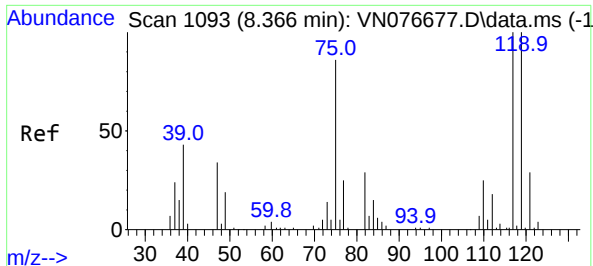
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#32
1,1,1-Trichloroethane
Concen: 16.205 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

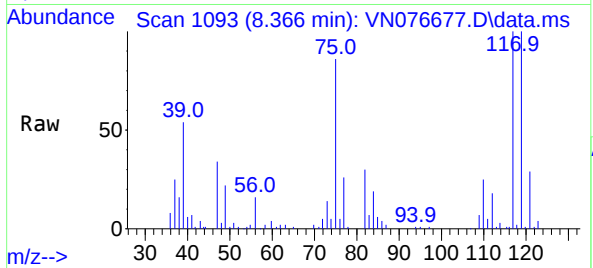
Tgt Ion: 97 Resp: 122192
Ion Ratio Lower Upper
97 100
99 64.8 50.0 75.0
61 49.1 36.1 54.1





#33
Carbon Tetrachloride
Concen: 16.621 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

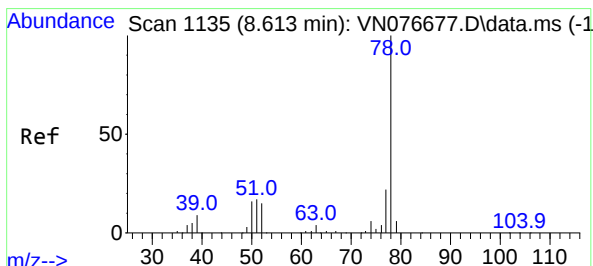
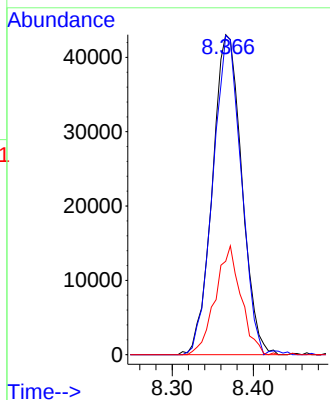
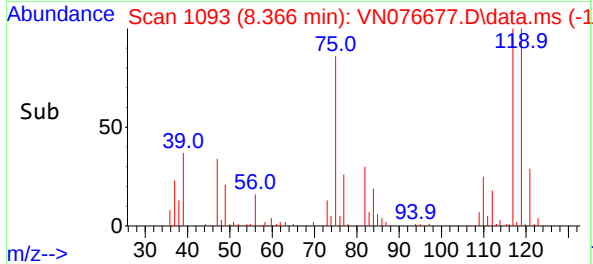
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



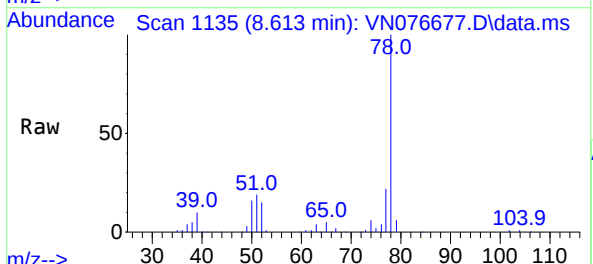
Tgt Ion:117 Resp: 108110
Ion Ratio Lower Upper
117 100
119 99.8 77.8 116.6
121 29.2 27.6 41.4

Manual Integrations
APPROVED

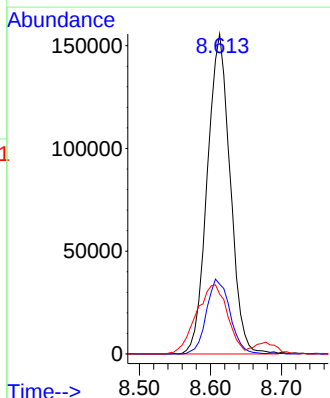
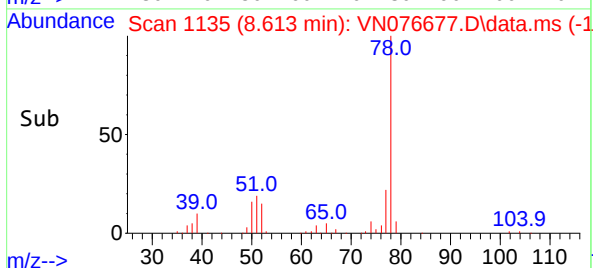
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

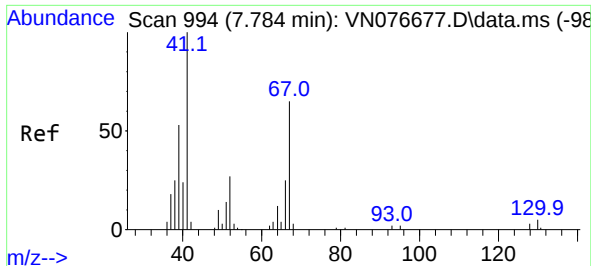


#34
Benzene
Concen: 18.651 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



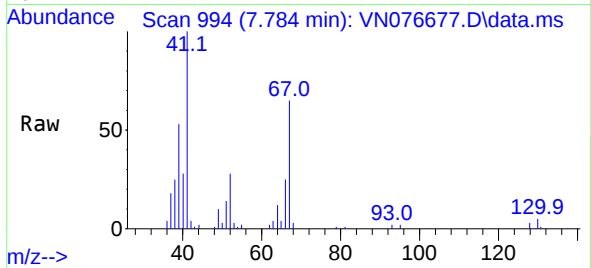
Tgt Ion: 78 Resp: 348278
Ion Ratio Lower Upper
78 100
77 21.8 19.9 29.9
51 17.2 21.1 31.7#





#35
Methacrylonitrile
Concen: 17.912 ug/l
RT: 7.784 min Scan# 994
Delta R.T. -0.010 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

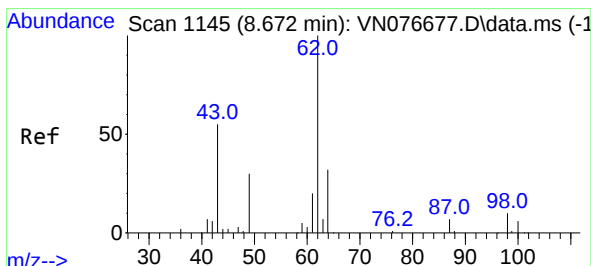
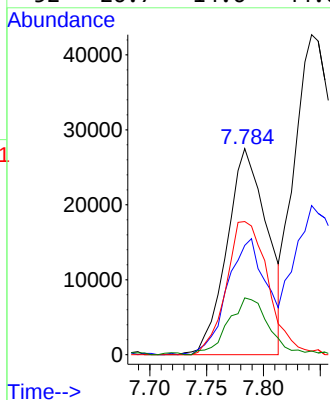
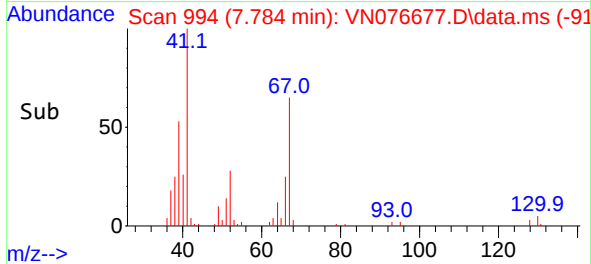
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 6756
Ion Ratio Lower Upper
41 100
39 53.1 27.7 83.1
67 64.6 38.0 113.9
52 26.7 14.6 44.0

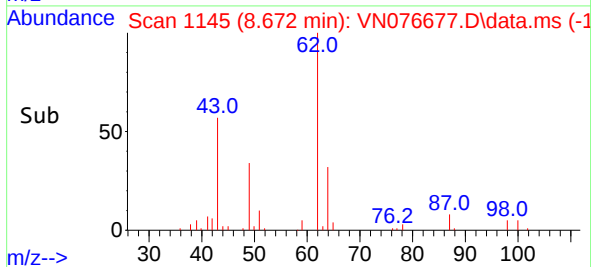
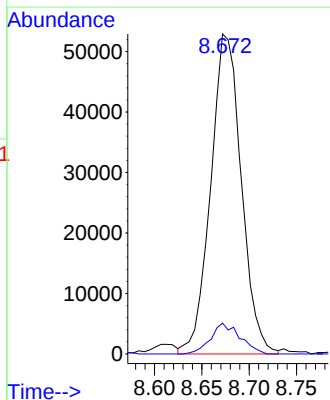
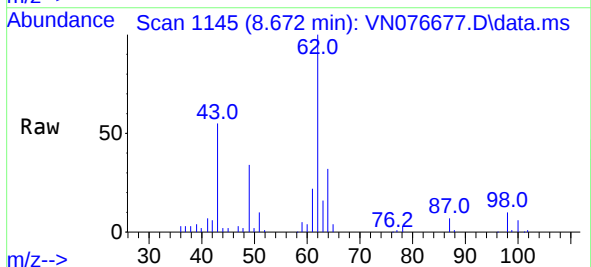
Manual Integrations
APPROVED

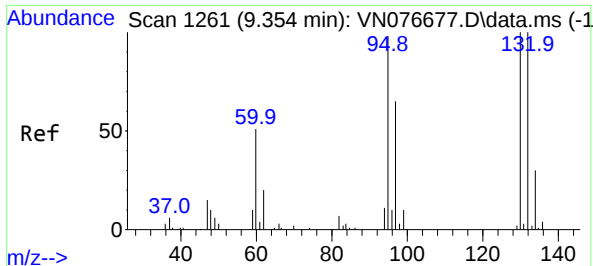
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#36
1,2-Dichloroethane
Concen: 16.621 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

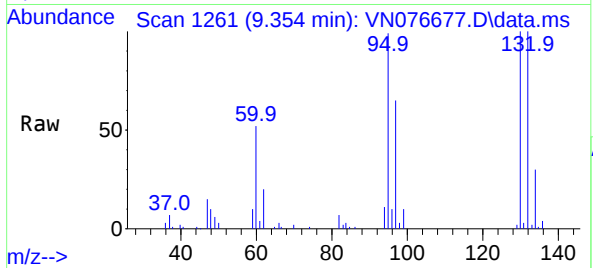
Tgt Ion: 62 Resp: 119020
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#37
Trichloroethene
Concen: 20.189 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

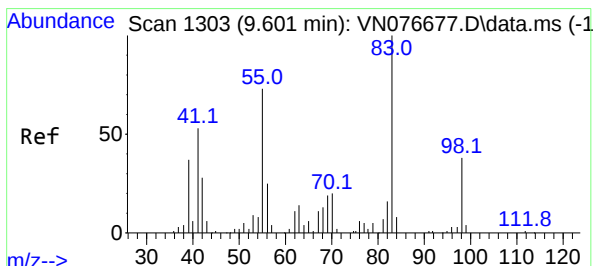
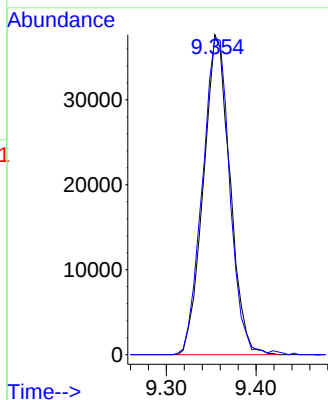
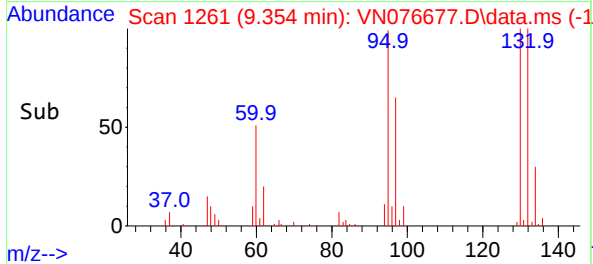
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



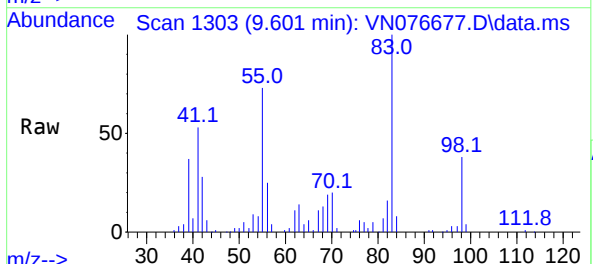
Tgt Ion:130 Resp: 7718
Ion Ratio Lower Upper
130 100
95 98.4 75.9 113.9

Manual Integrations
APPROVED

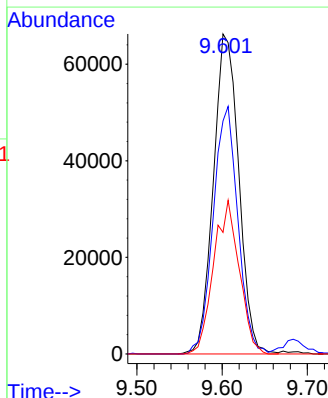
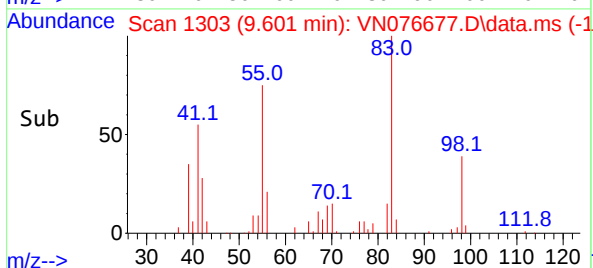
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

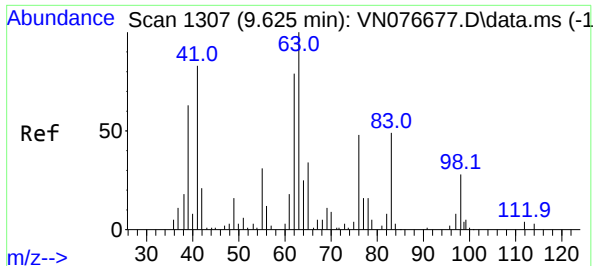


#38
Methylcyclohexane
Concen: 20.429 ug/l
RT: 9.601 min Scan# 1303
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



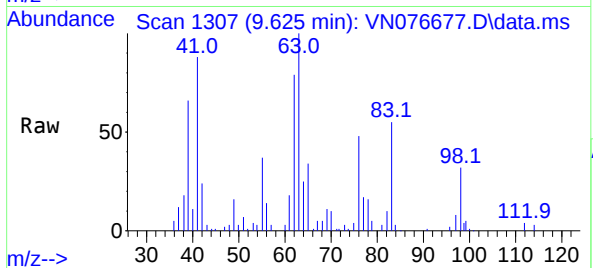
Tgt Ion: 83 Resp: 137421
Ion Ratio Lower Upper
83 100
55 75.3 37.4 112.2
98 48.3 24.5 73.5





#39
1,2-Dichloropropane
Concen: 19.770 ug/l
RT: 9.625 min Scan# 1307
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

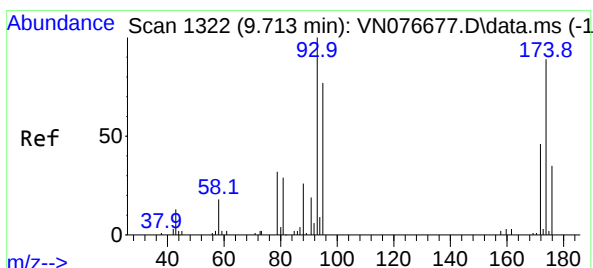
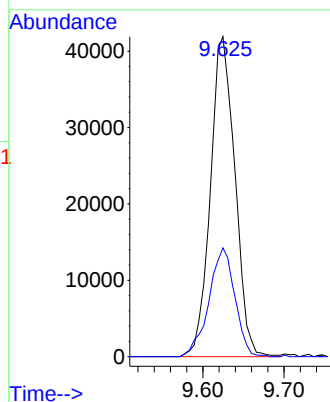
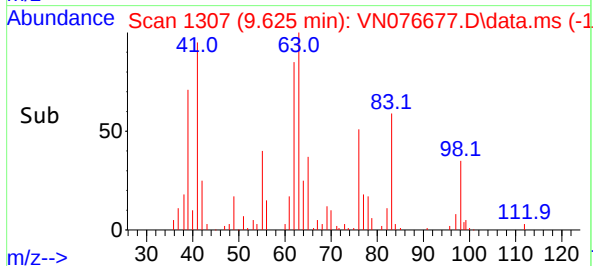
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



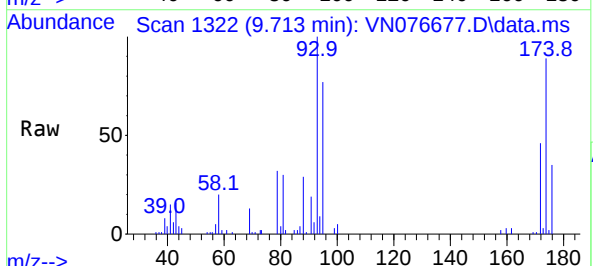
Tgt Ion: 63 Resp: 8810
Ion Ratio Lower Upper
63 100
65 34.0 25.0 37.6

Manual Integrations
APPROVED

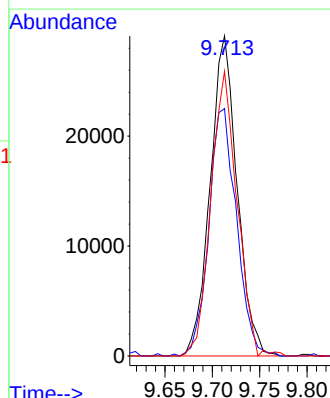
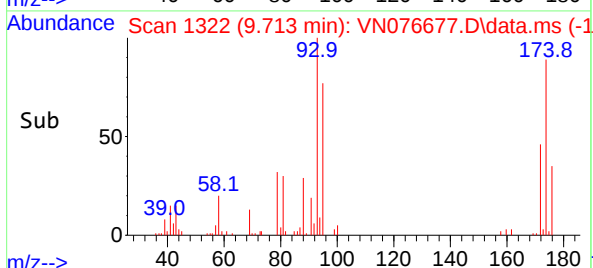
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

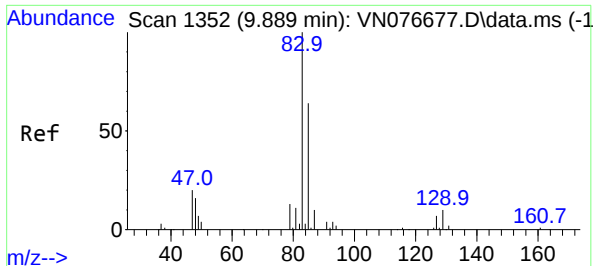


#40
Dibromomethane
Concen: 19.695 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 93 Resp: 57739
Ion Ratio Lower Upper
93 100
95 79.0 0.0 168.0
174 85.6 0.0 158.4





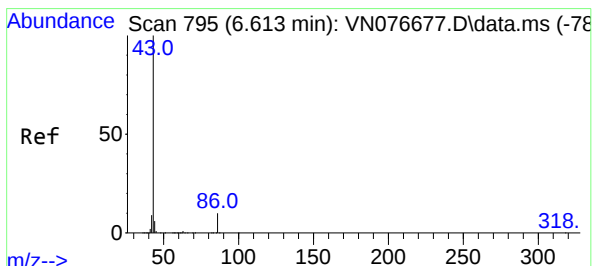
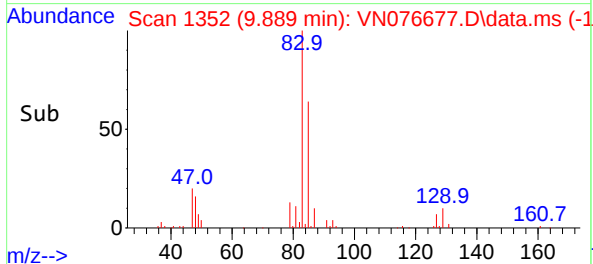
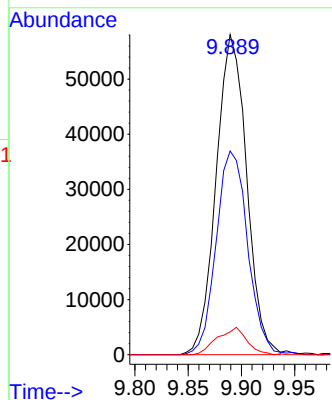
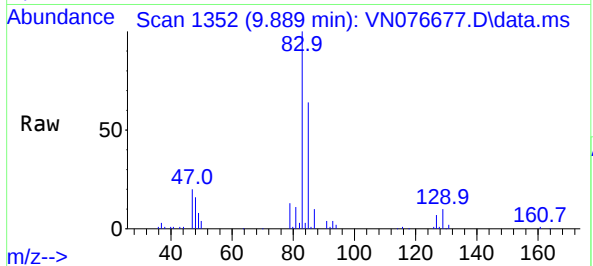
#41
Bromodichloromethane
Concen: 18.764 ug/l
RT: 9.889 min Scan# 11566
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 11566
Ion Ratio Lower Upper
83 100
85 63.7 50.2 75.4
127 7.7 5.1 7.7

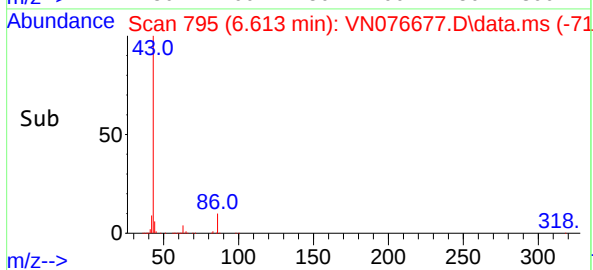
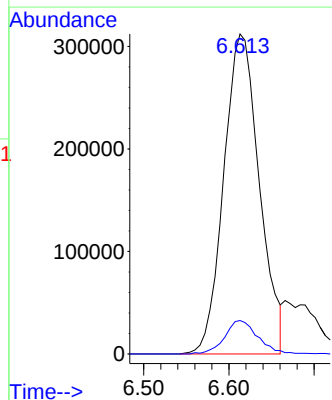
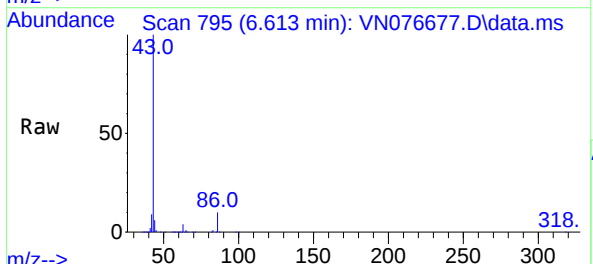
Manual Integrations
APPROVED

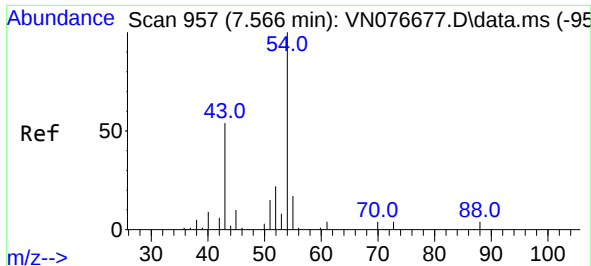
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#42
Vinyl Acetate
Concen: 84.926 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.011 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

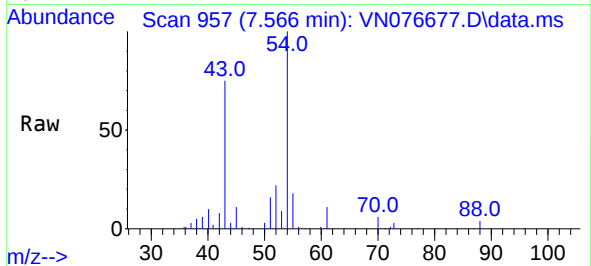
Tgt Ion: 43 Resp: 906192
Ion Ratio Lower Upper
43 100
86 9.7 7.5 11.3





#43
Ethyl Acetate
Concen: 18.160 ug/l m
RT: 7.566 min Scan# 957
Delta R.T. -0.017 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

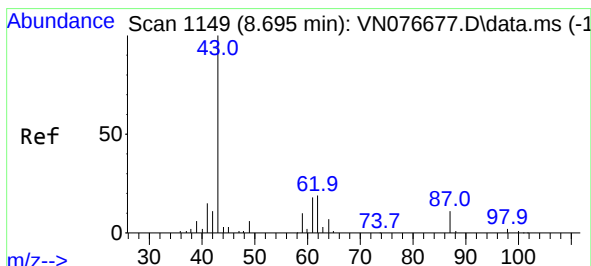
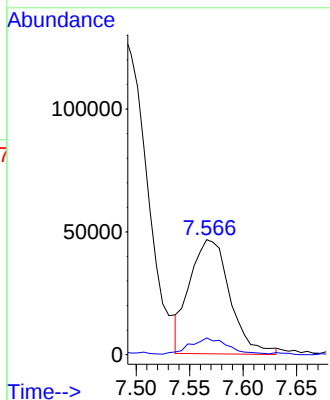
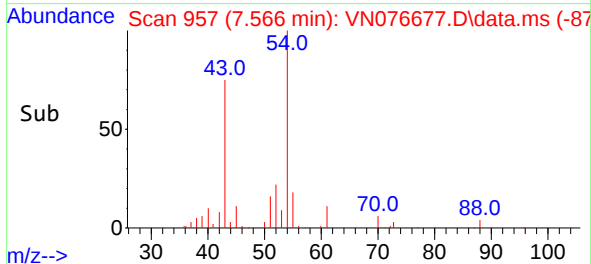
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



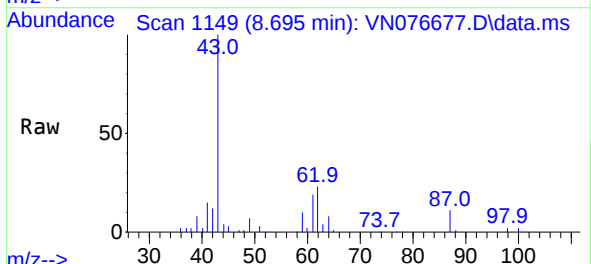
Tgt Ion: 43 Resp: 121478
Ion Ratio Lower Upper
43 100
45 14.0 11.5 17.3

Manual Integrations
APPROVED

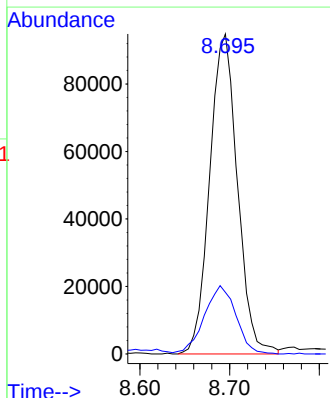
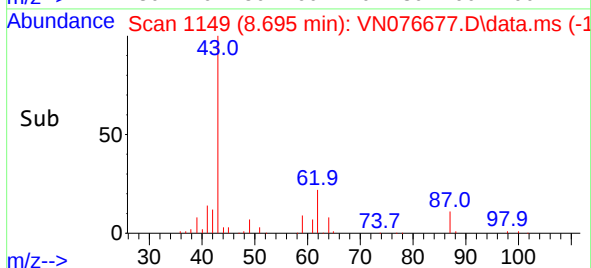
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

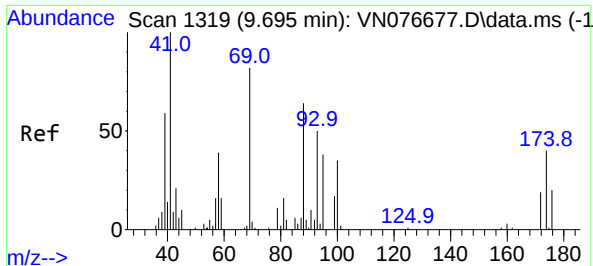


#44
Isopropyl Acetate
Concen: 18.507 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 43 Resp: 203638
Ion Ratio Lower Upper
43 100
61 24.4 19.5 29.3





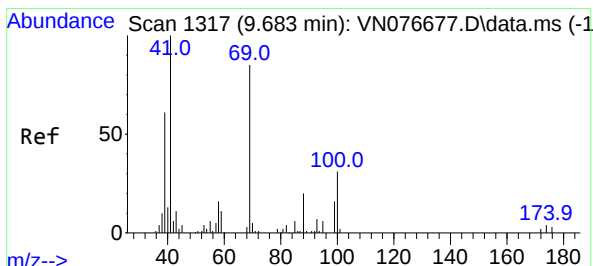
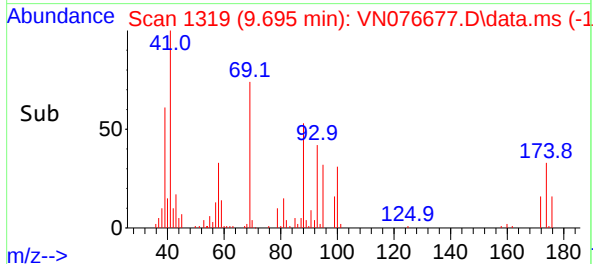
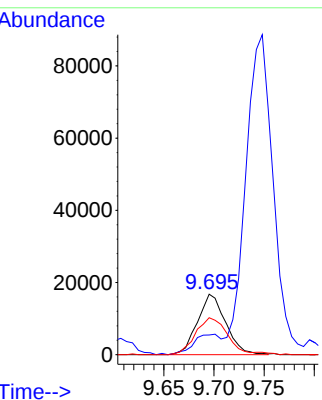
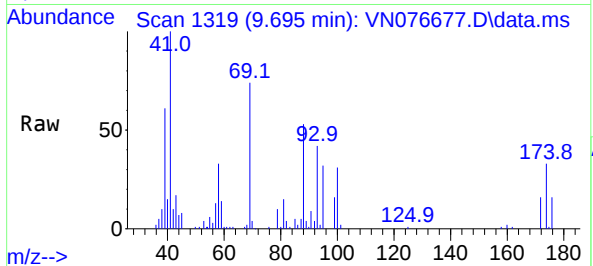
#45
1,4-Dioxane
Concen: 365.825 ug/l
RT: 9.695 min Scan# 1319
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 88 Resp: 3281
Ion Ratio Lower Upper
88 100
43 32.5 25.7 38.5
58 67.9 53.4 80.2

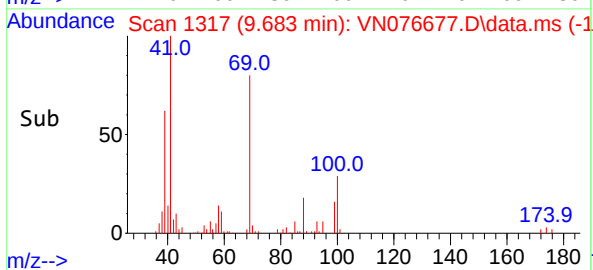
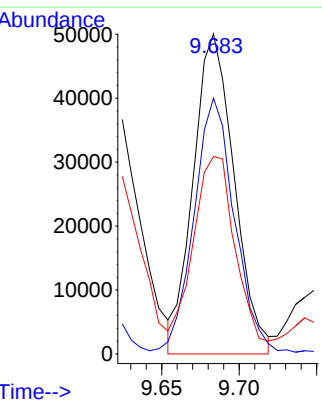
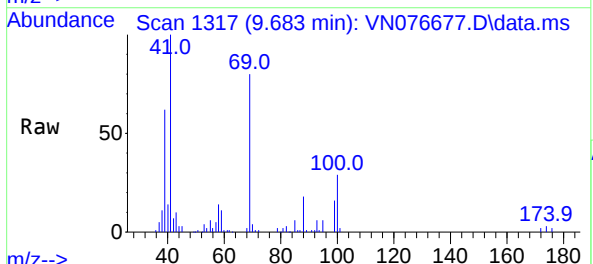
Manual Integrations
APPROVED

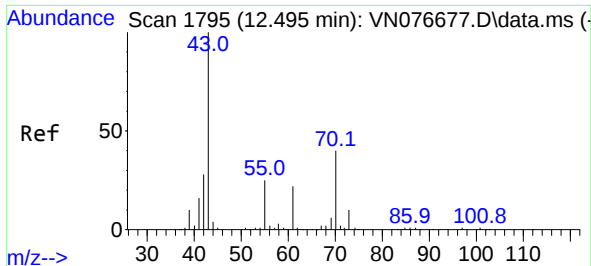
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#46
Methyl methacrylate
Concen: 17.307 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

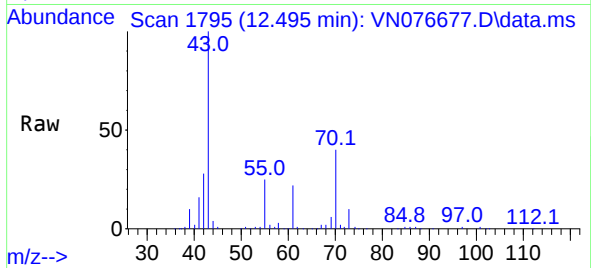
Tgt Ion: 41 Resp: 91817
Ion Ratio Lower Upper
41 100
69 81.1 45.6 136.7
39 61.0 32.3 96.9





#47
n-amyl acetate
Concen: 18.893 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

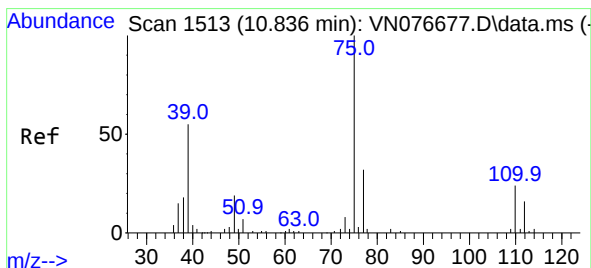
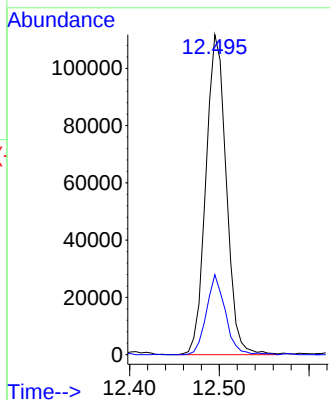
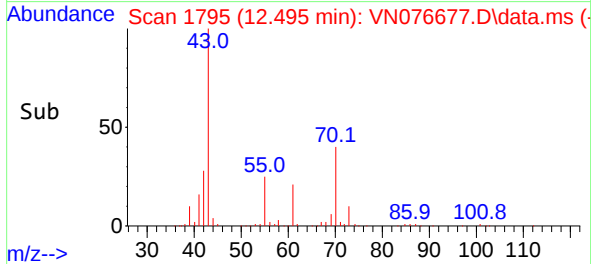
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



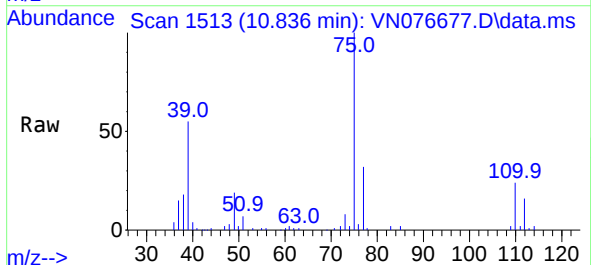
Tgt Ion: 43 Resp: 176699
Ion Ratio Lower Upper
43 100
55 22.9 16.8 25.2

Manual Integrations
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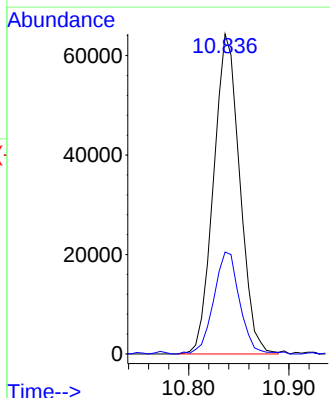
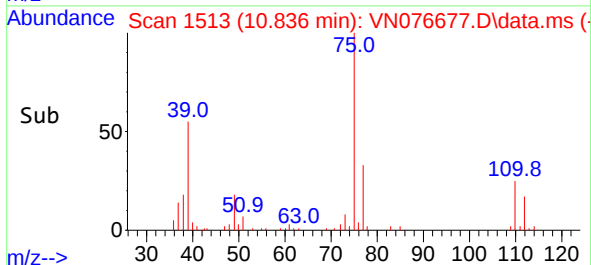
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

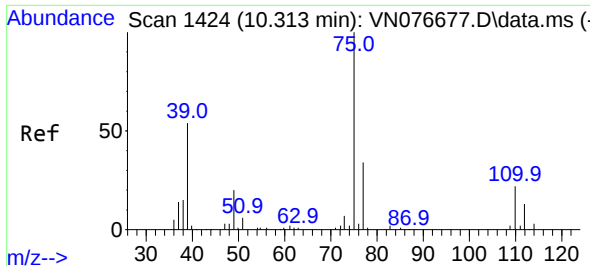


#48
t-1,3-Dichloropropene
Concen: 18.815 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 75 Resp: 116750
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8





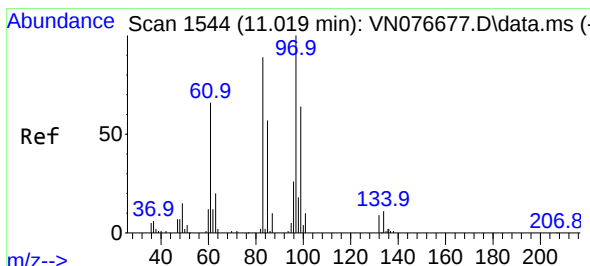
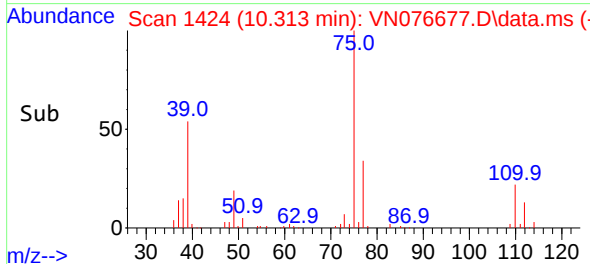
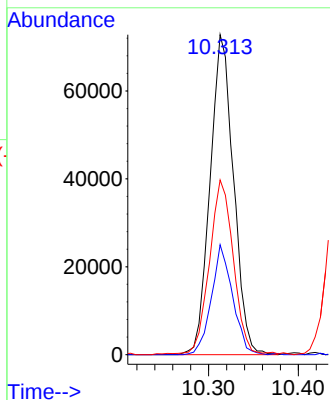
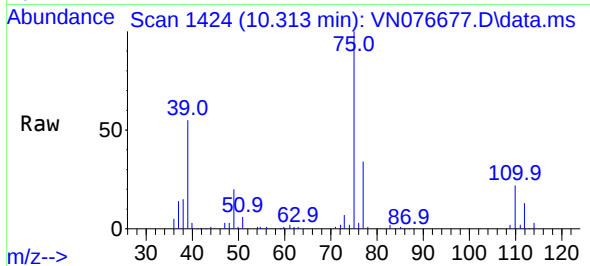
#49
cis-1,3-Dichloropropene
Concen: 19.230 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 13190
Ion Ratio Lower Upper
75 100
77 34.4 22.5 33.7
39 54.4 37.6 56.4

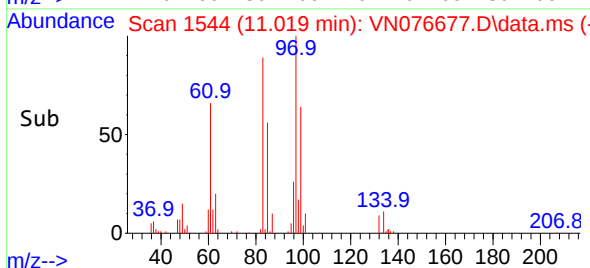
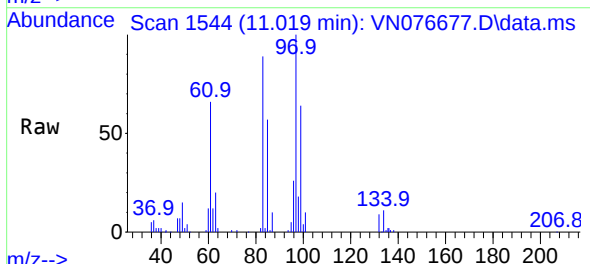
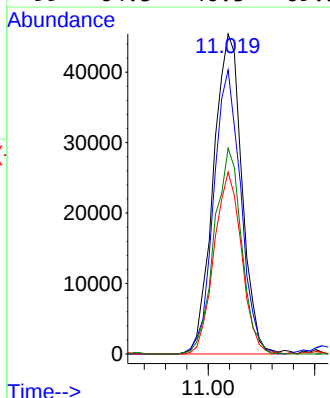
Manual Integrations
APPROVED

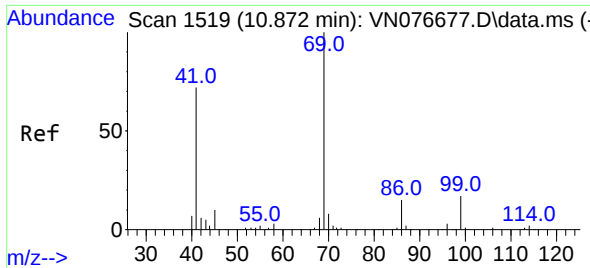
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#50
1,1,2-Trichloroethane
Concen: 21.167 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

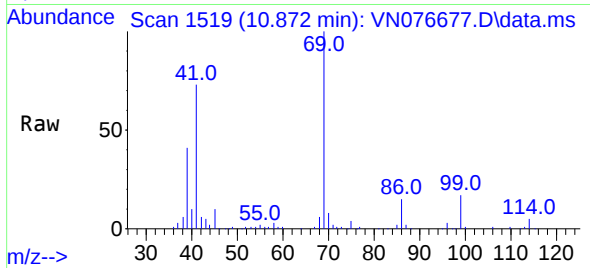
Tgt Ion: 97 Resp: 84275
Ion Ratio Lower Upper
97 100
83 88.7 69.2 103.8
85 56.9 41.4 62.2
99 64.3 46.3 69.5





#51
Ethyl methacrylate
Concen: 19.389 ug/l
RT: 10.872 min Scan# 1519
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

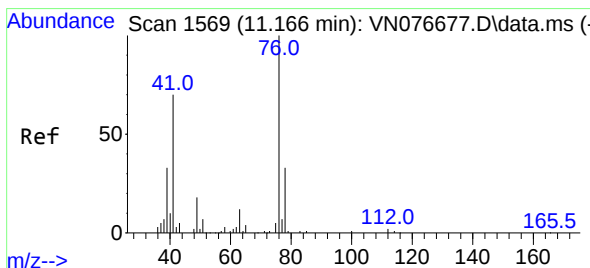
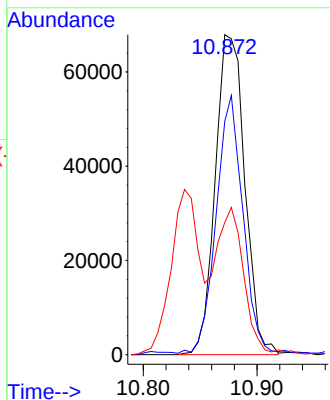
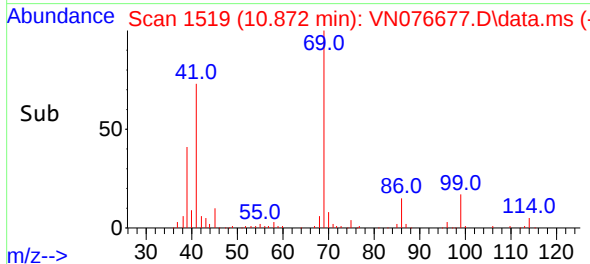
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



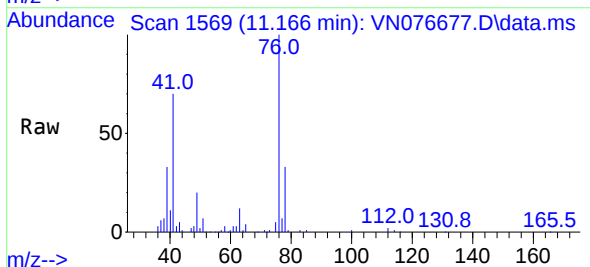
Tgt Ion: 69 Resp: 122579
Ion Ratio Lower Upper
69 100
41 72.5 32.5 97.5
39 39.8 21.5 64.5

Manual Integrations
APPROVED

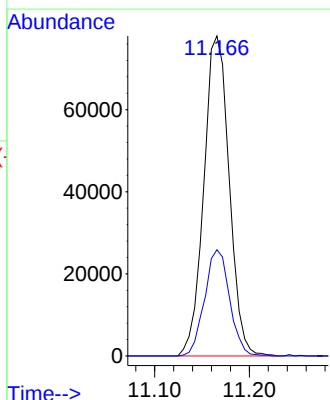
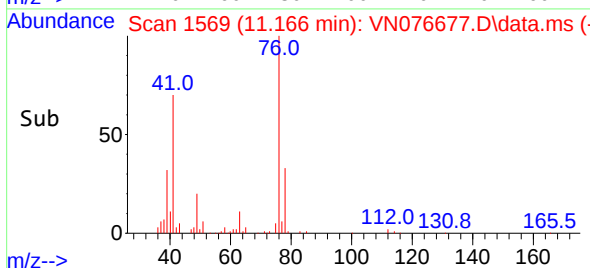
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

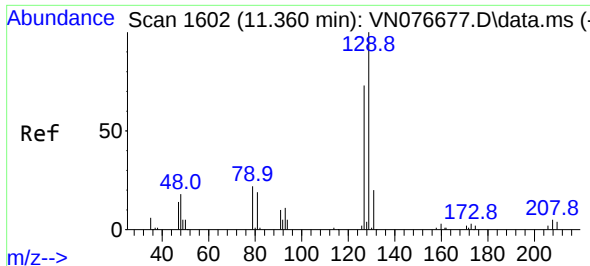


#52
1,3-Dichloropropane
Concen: 19.514 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 76 Resp: 144829
Ion Ratio Lower Upper
76 100
78 32.7 0.0 63.8





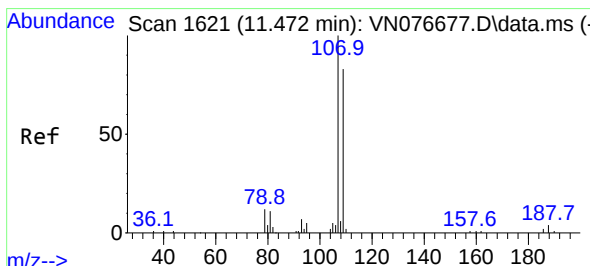
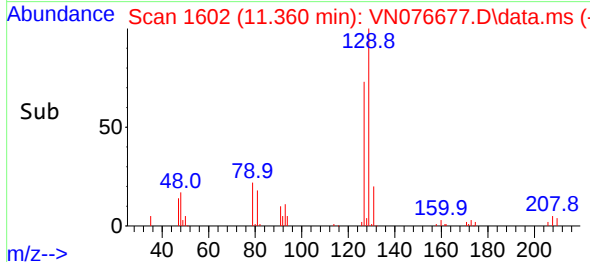
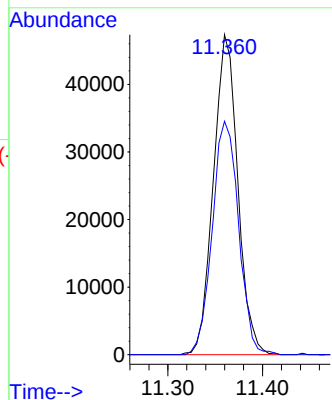
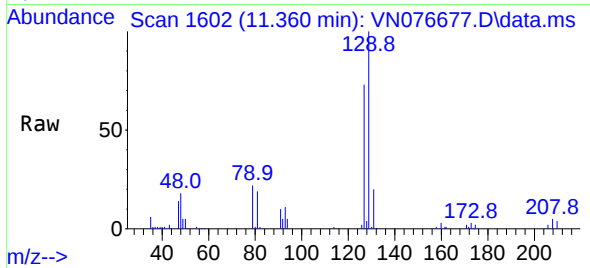
#53
Dibromochloromethane
Concen: 20.513 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 84860
Ion Ratio Lower Upper
129 100
127 78.7 40.6 121.7

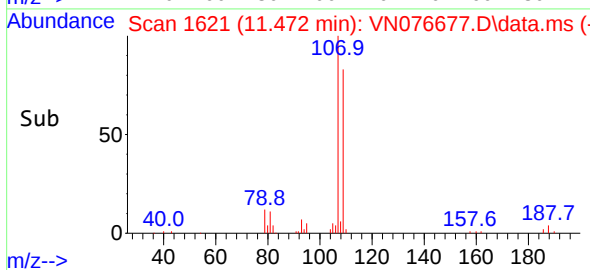
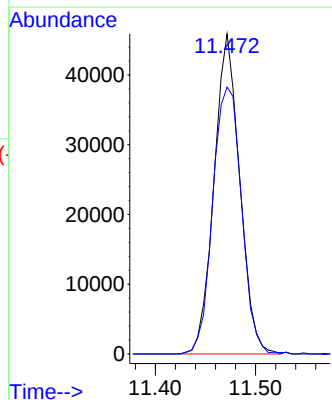
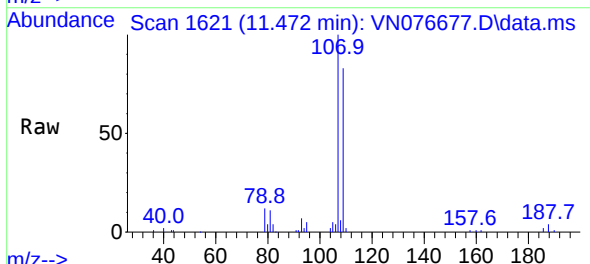
Manual Integrations
APPROVED

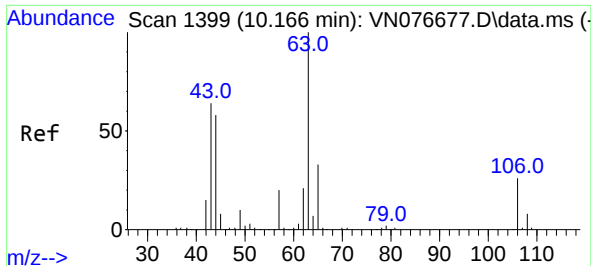
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#54
1,2-Dibromoethane
Concen: 20.221 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

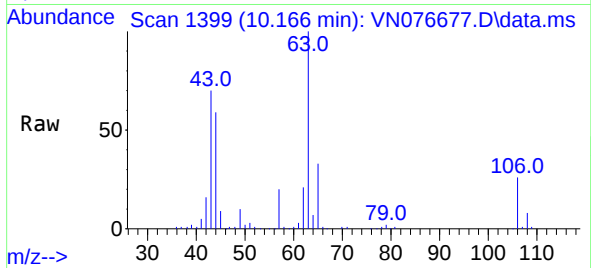
Tgt Ion:107 Resp: 81466
Ion Ratio Lower Upper
107 100
109 93.3 76.2 114.2





#55
2-Chloroethyl vinyl ether
Concen: 89.979 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

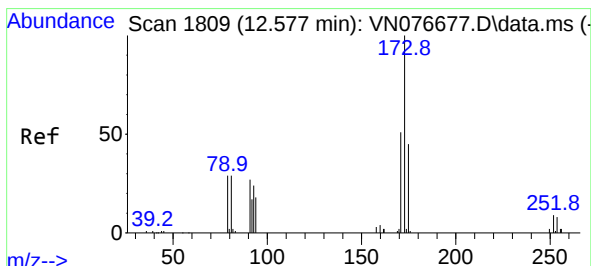
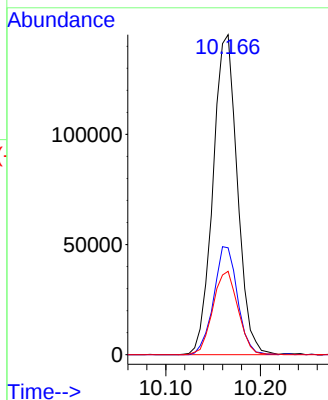
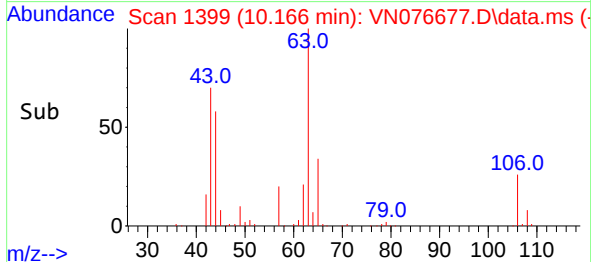
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 25983
Ion Ratio Lower Upper
63 100
65 32.9 24.6 36.8
106 27.0 21.3 31.9

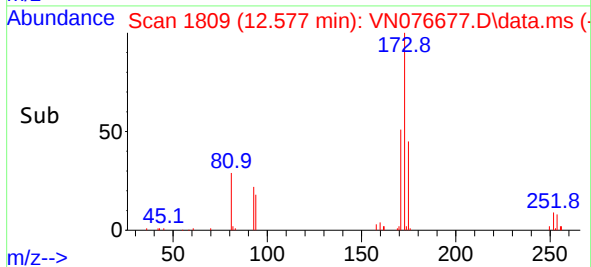
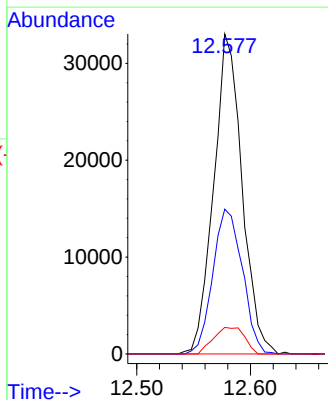
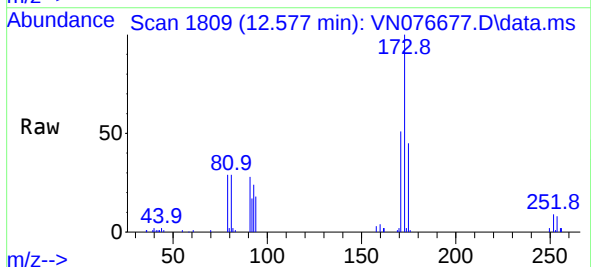
Manual Integrations
APPROVED

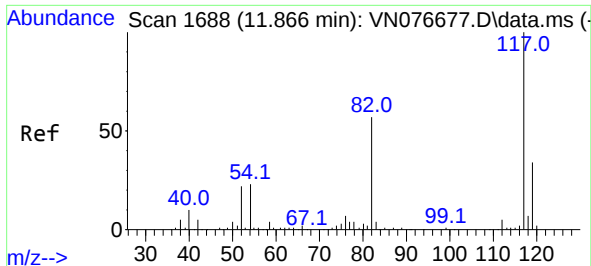
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#56
Bromoform
Concen: 21.492 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

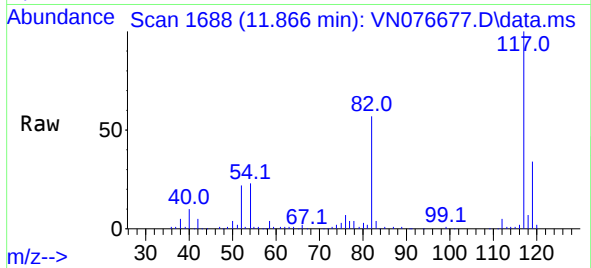
Tgt Ion:173 Resp: 57265
Ion Ratio Lower Upper
173 100
175 47.2 39.1 58.7
254 9.1 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

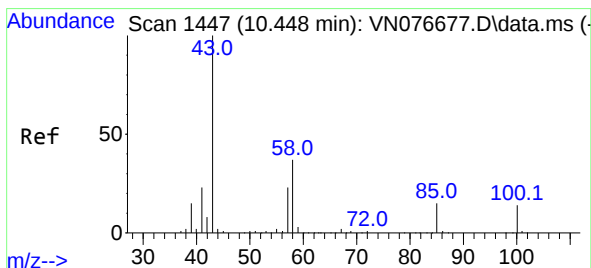
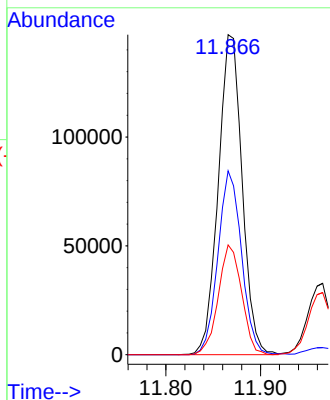
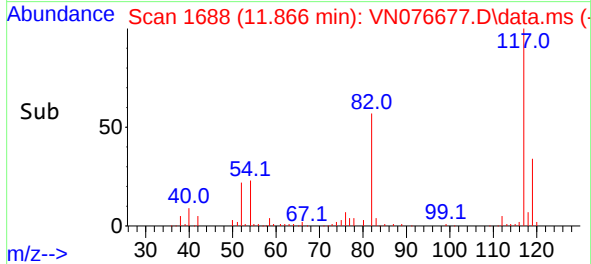
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



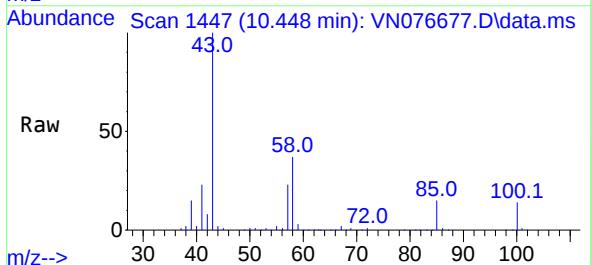
Tgt Ion: 117 Resp: 257910
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 33.5 25.6 38.4

Manual Integrations
APPROVED

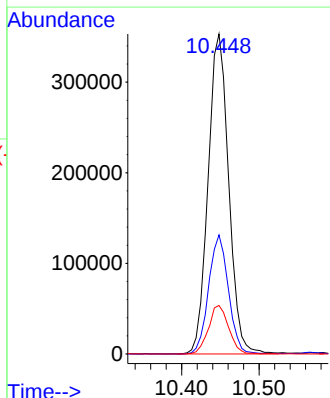
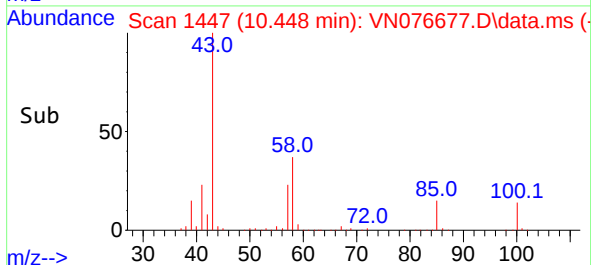
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

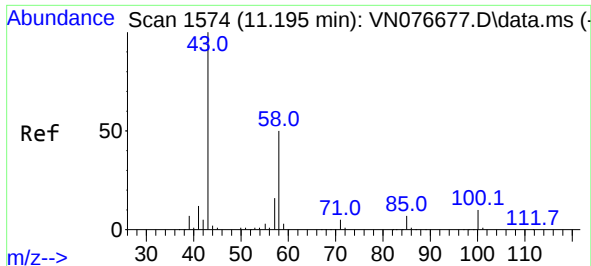


#58
4-Methyl-2-Pentanone
Concen: 90.422 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



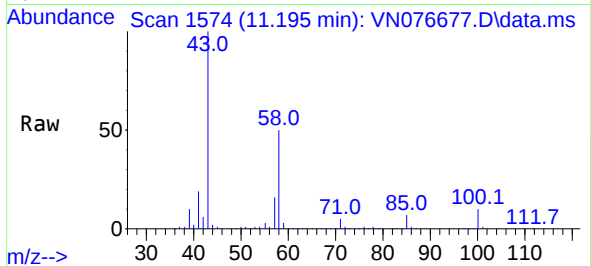
Tgt Ion: 43 Resp: 651939
Ion Ratio Lower Upper
43 100
58 35.7 30.8 46.2
85 14.8 13.3 19.9





#59
2-Hexanone
Concen: 93.502 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

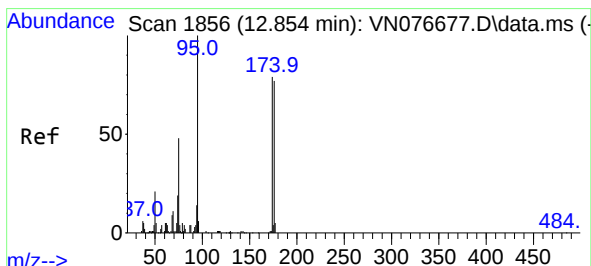
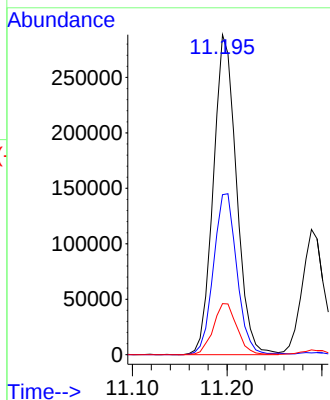
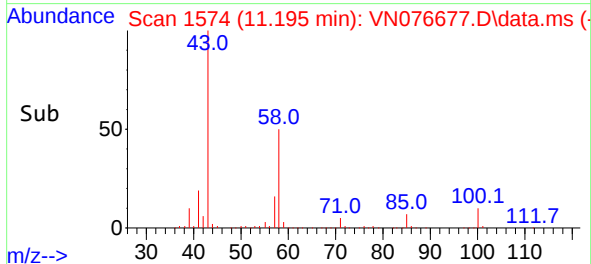
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



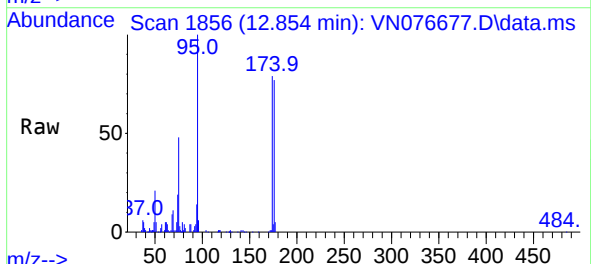
Tgt Ion: 43 Resp: 490159
Ion Ratio Lower Upper
43 100
58 50.7 43.6 65.4
57 16.4 14.3 21.5

Manual Integrations
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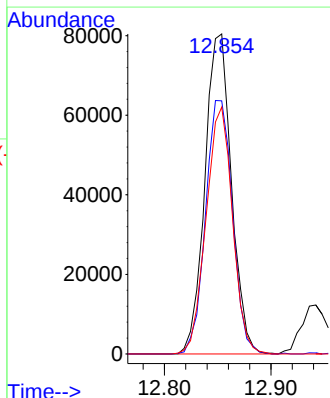
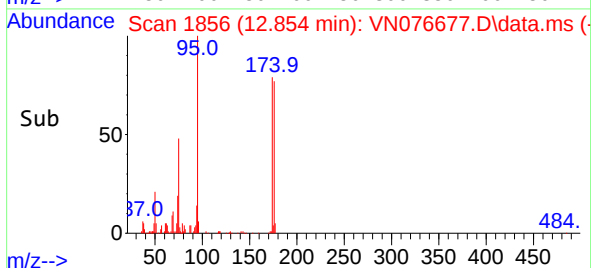
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

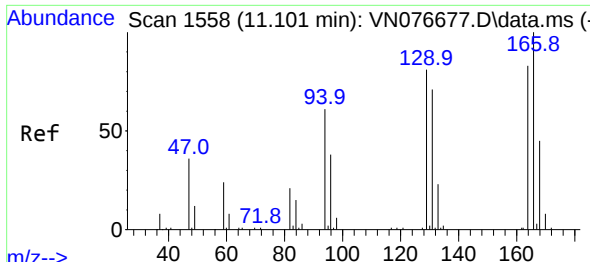


#60
4-Bromofluorobenzene
Concen: 23.947 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



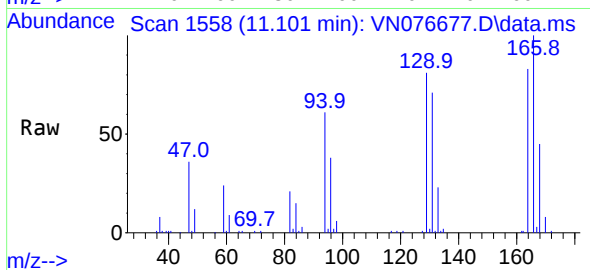
Tgt Ion: 95 Resp: 139435
Ion Ratio Lower Upper
95 100
174 80.3 57.8 86.8
176 76.7 57.0 85.4





#61
Tetrachloroethene
Concen: 19.174 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

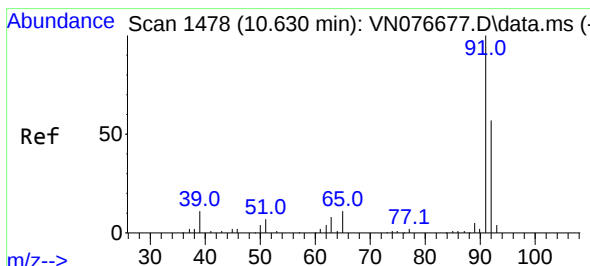
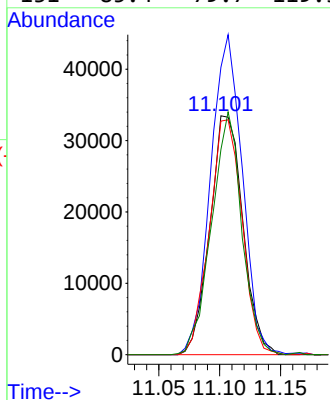
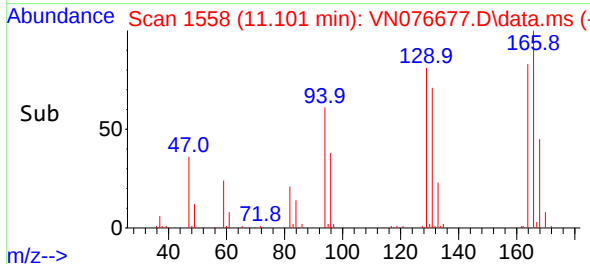
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



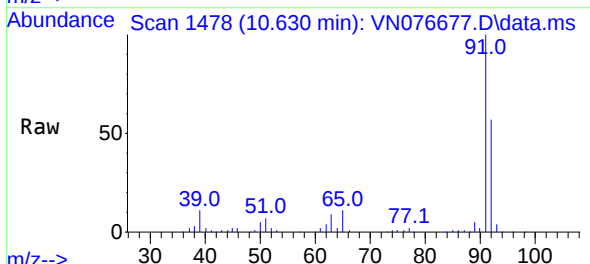
Tgt Ion:164 Resp: 6321
Ion Ratio Lower Upper
164 100
166 120.2 99.6 149.4
129 97.8 84.0 126.0
131 85.4 79.7 119.5

Manual Integrations
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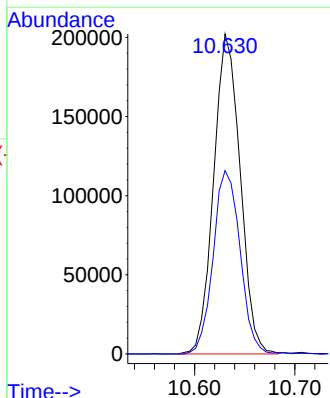
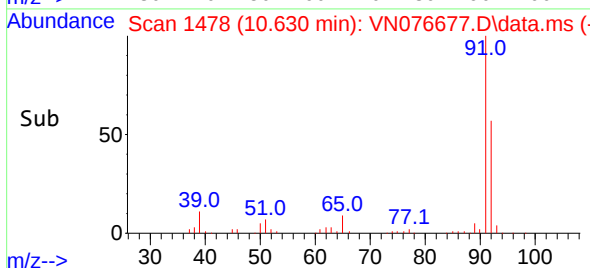
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

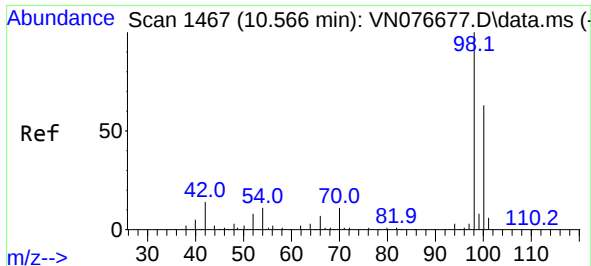


#62
Toluene
Concen: 19.431 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



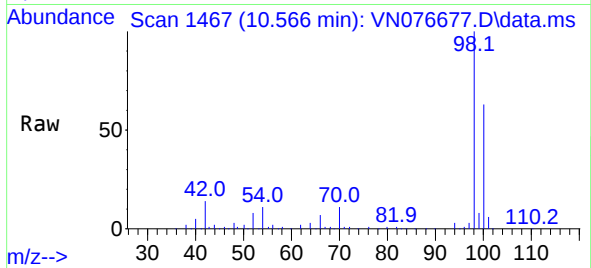
Tgt Ion: 91 Resp: 371565
Ion Ratio Lower Upper
91 100
92 57.9 46.0 69.0





#63
Toluene-d8
Concen: 29.217 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

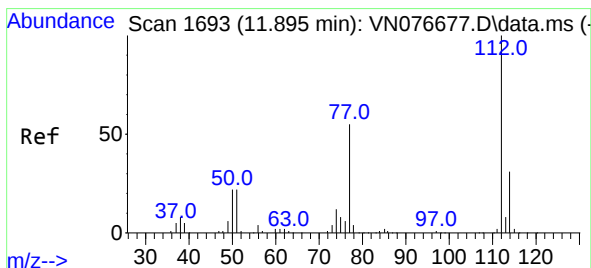
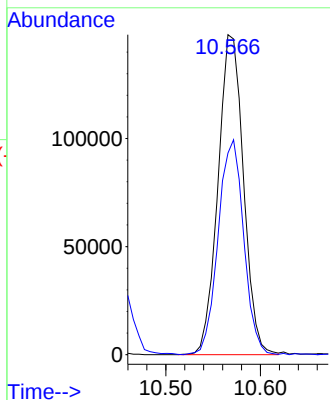
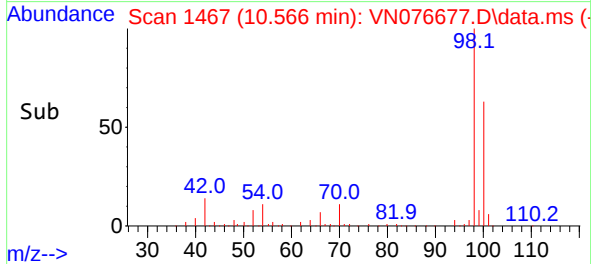
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



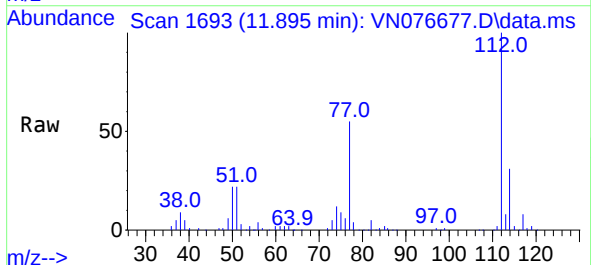
Tgt Ion: 98 Resp: 276688
Ion Ratio Lower Upper
98 100
100 67.2 52.7 79.1

Manual Integrations
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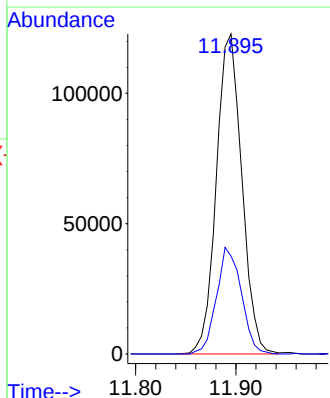
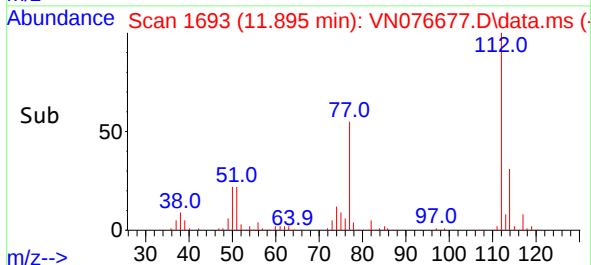
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

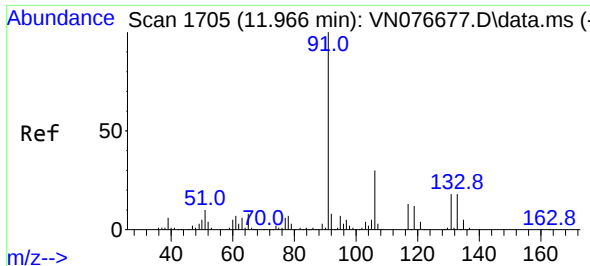


#64
Chlorobenzene
Concen: 19.543 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion:112 Resp: 216483
Ion Ratio Lower Upper
112 100
114 30.6 24.7 37.1





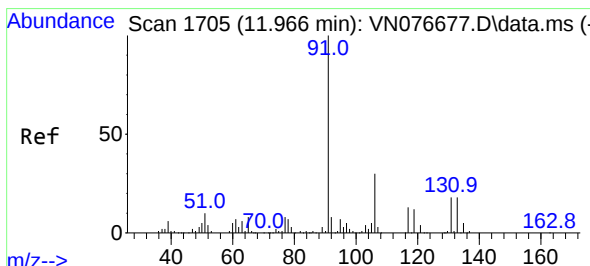
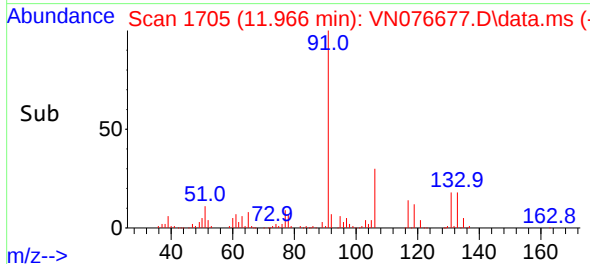
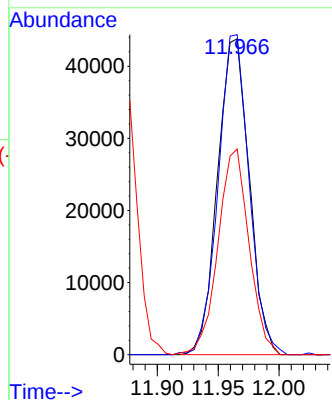
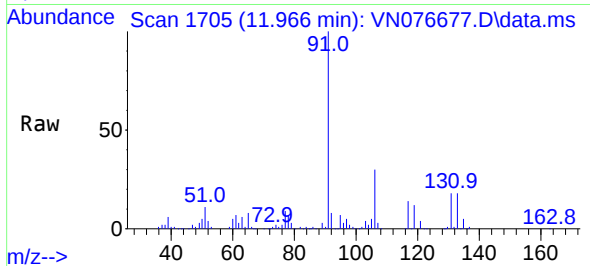
#65
1,1,1,2-Tetrachloroethane
Concen: 18.843 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:131 Resp: 7913
Ion Ratio Lower Upper
131 100
133 98.8 0.0 191.8
119 63.9 0.0 135.8

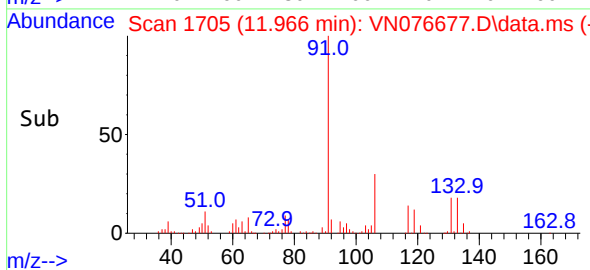
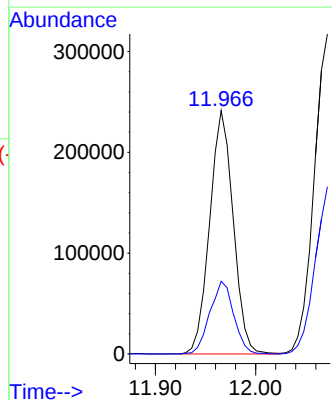
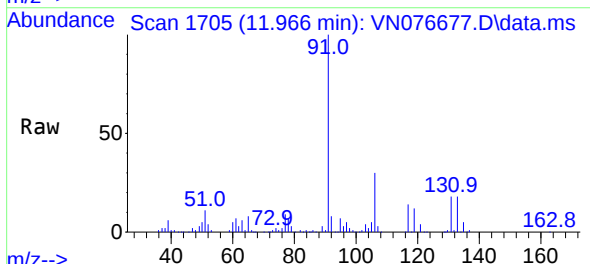
Manual Integrations
APPROVED

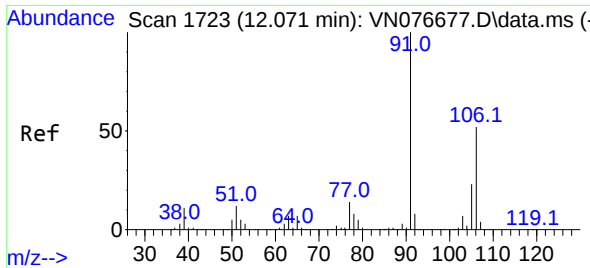
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#66
Ethyl Benzene
Concen: 18.796 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion: 91 Resp: 394019
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1





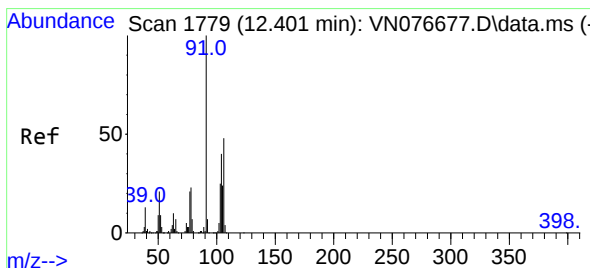
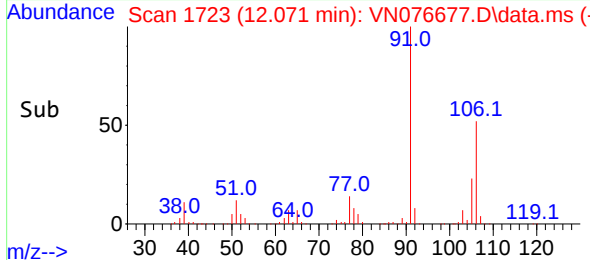
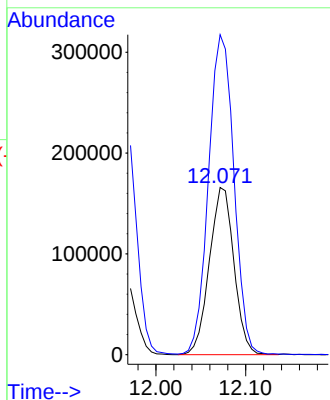
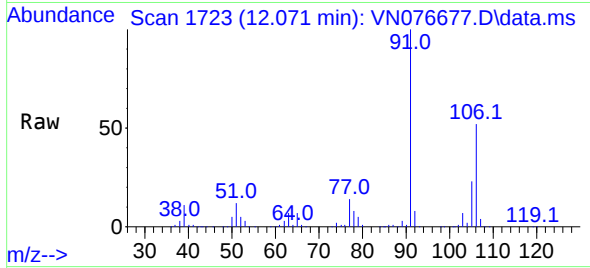
#67
m/p-Xylenes
Concen: 40.131 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 315640
Ion Ratio Lower Upper
106 100
91 196.8 164.2 246.4

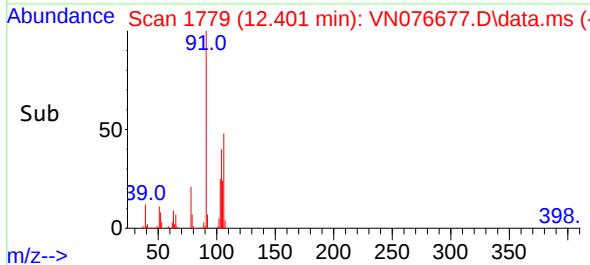
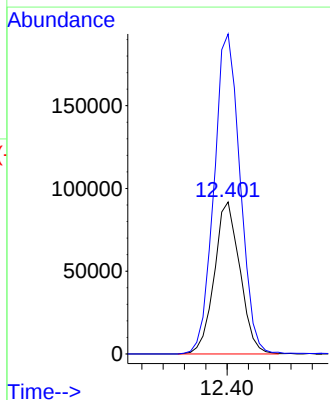
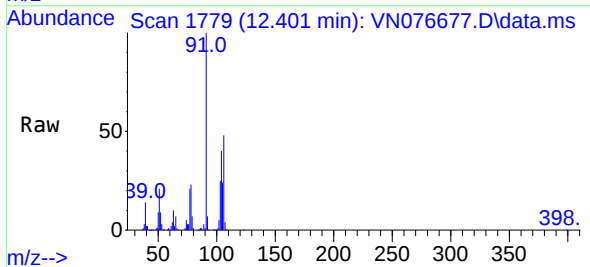
Manual Integrations
APPROVED

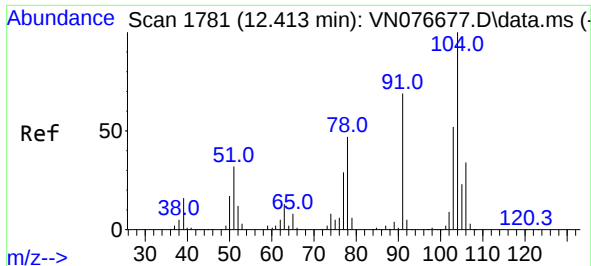
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#68
o-Xylene
Concen: 19.757 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion:106 Resp: 153091
Ion Ratio Lower Upper
106 100
91 214.4 108.5 325.5





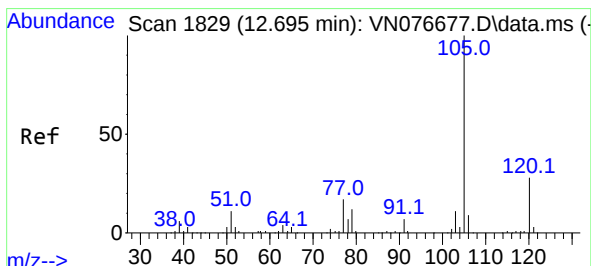
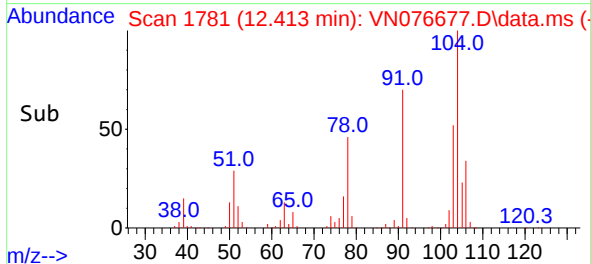
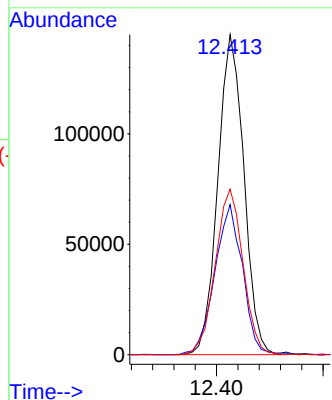
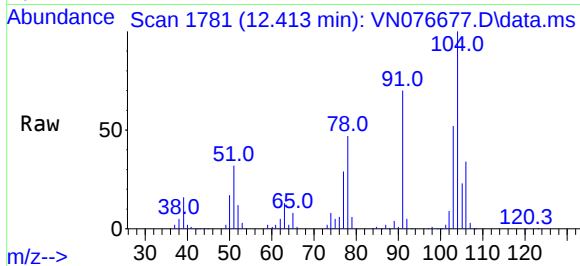
#69
Styrene
Concen: 20.050 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 24661
Ion Ratio Lower Upper
104 100
78 49.5 39.9 59.9
103 54.9 43.8 65.8

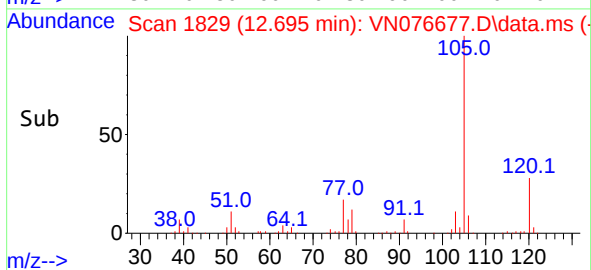
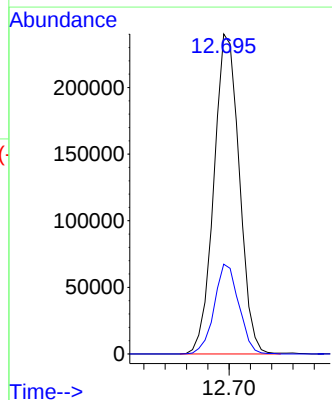
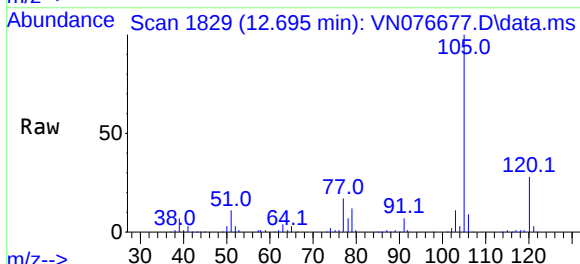
Manual Integrations
APPROVED

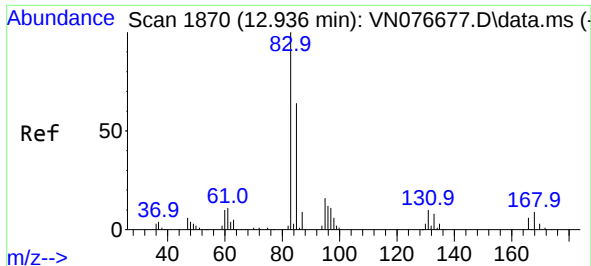
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#70
Isopropylbenzene
Concen: 19.162 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

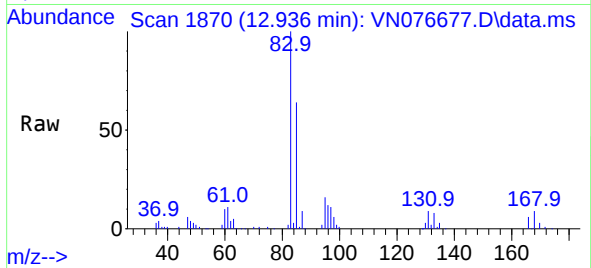
Tgt Ion:105 Resp: 397914
Ion Ratio Lower Upper
105 100
120 27.1 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 17.716 ug/l
RT: 12.936 min Scan# 1870
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

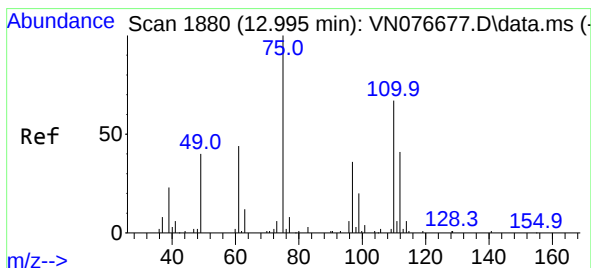
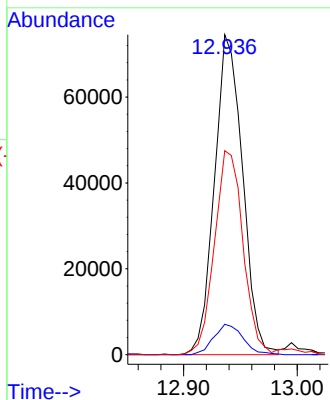
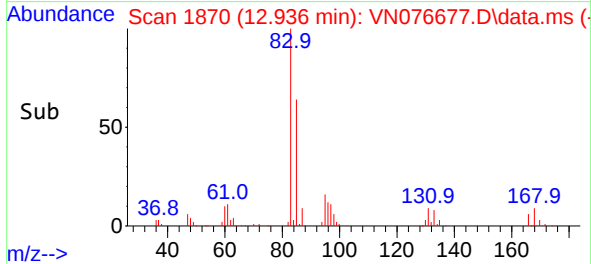
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 12825
Ion Ratio Lower Upper
83 100
131 9.9 4.5 13.5
85 64.6 30.9 92.7

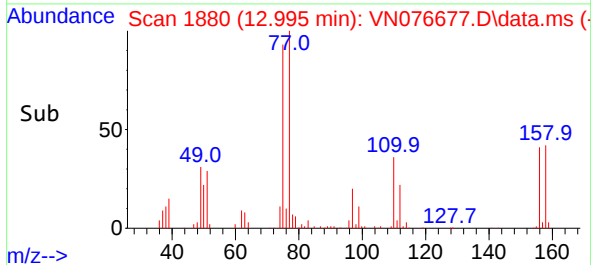
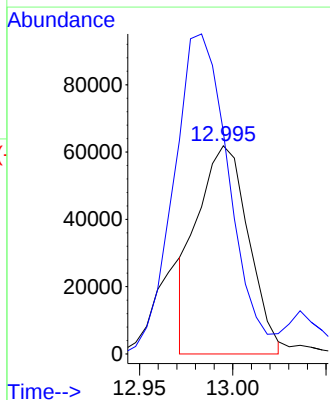
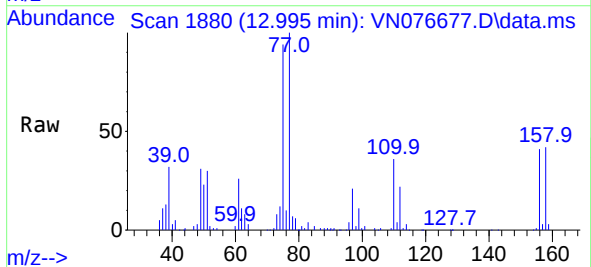
Manual Integrations
APPROVED

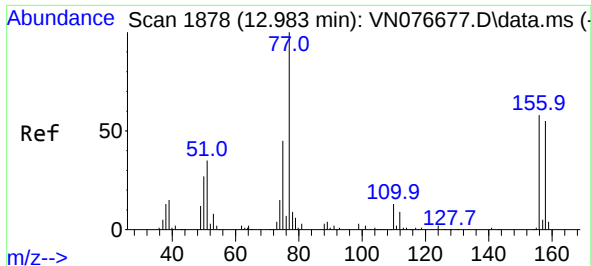
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#72
1,2,3-Trichloropropane
Concen: 17.746 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion: 75 Resp: 117346
Ion Ratio Lower Upper
75 100
77 166.3 0.0 372.4





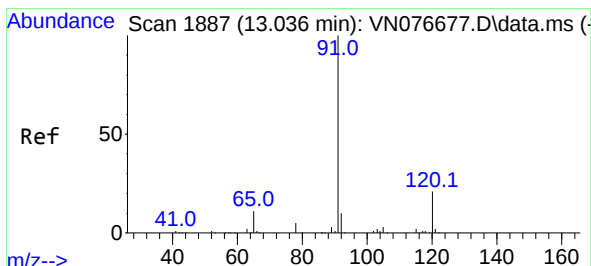
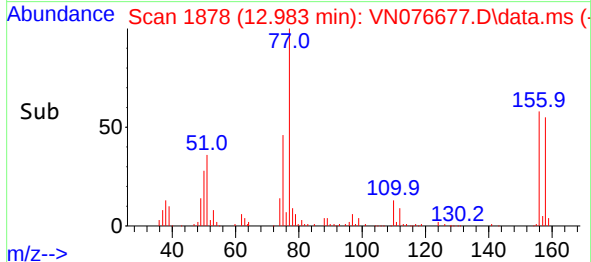
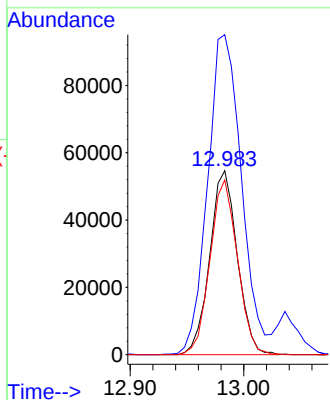
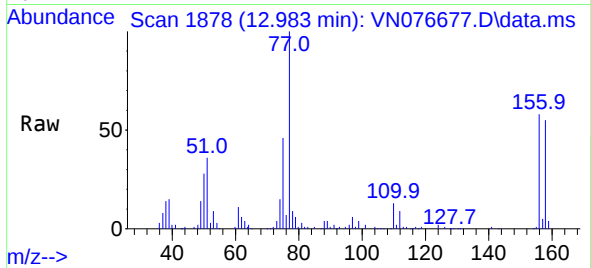
#73
Bromobenzene
Concen: 18.724 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 9226
Ion Ratio Lower Upper
156 100
77 211.5 0.0 491.8
158 94.3 0.0 185.0

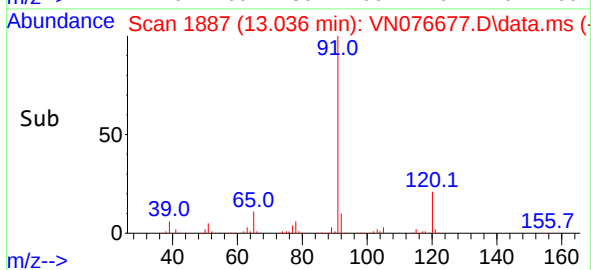
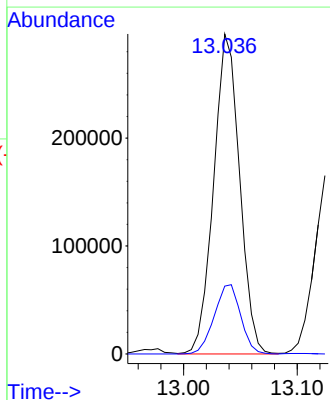
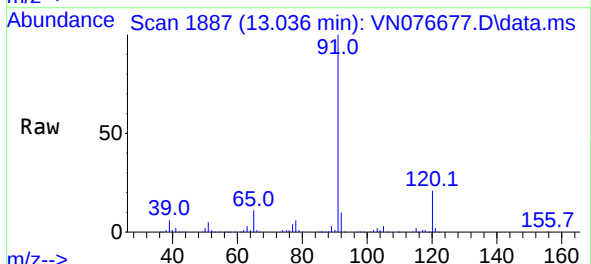
Manual Integrations
APPROVED

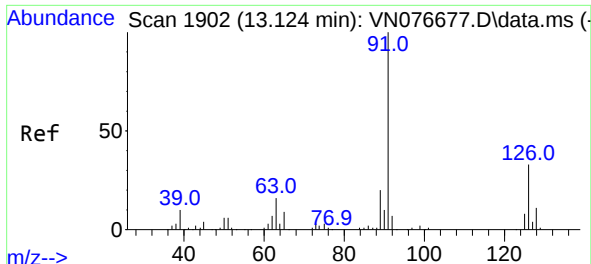
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#74
n-propylbenzene
Concen: 17.689 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Tgt Ion: 91 Resp: 471121
Ion Ratio Lower Upper
91 100
120 22.0 0.0 44.6





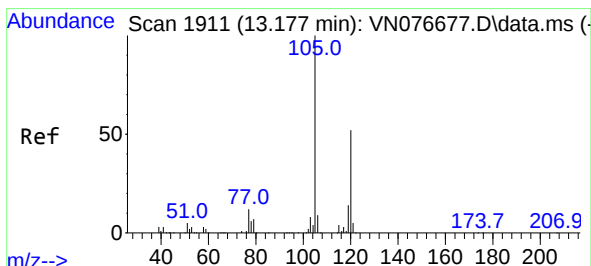
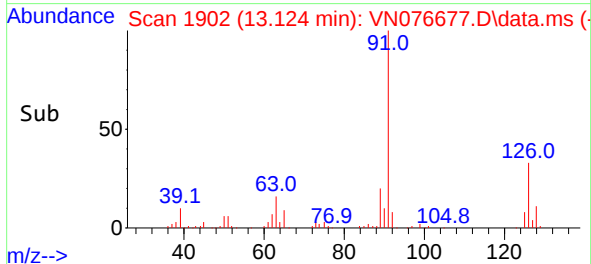
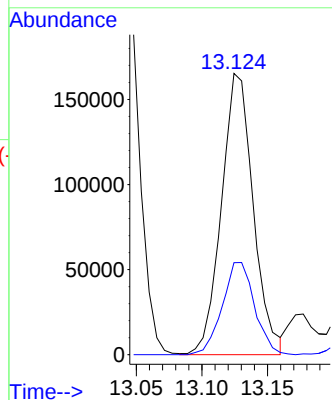
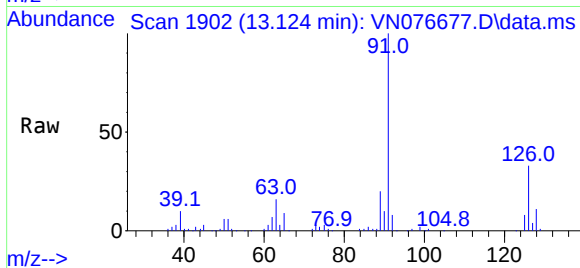
#75
2-Chlorotoluene
Concen: 16.659 ug/l
RT: 13.124 min Scan# 1902
Delta R.T. -0.005 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 279097
Ion Ratio Lower Upper
91 100
126 33.2 0.0 66.2

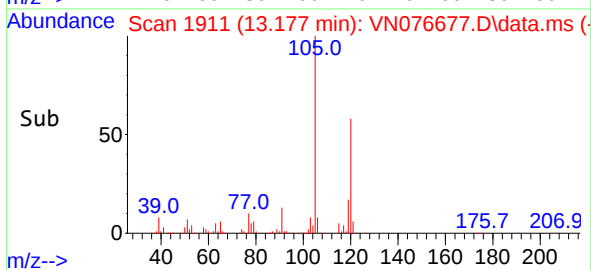
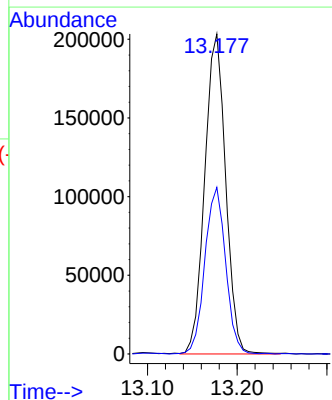
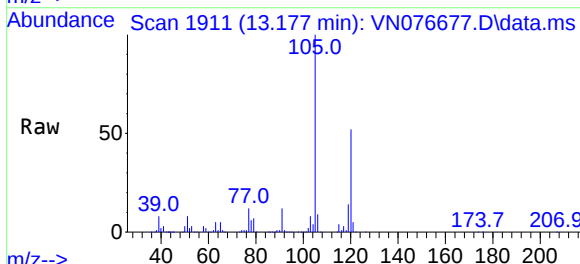
Manual Integrations
APPROVED

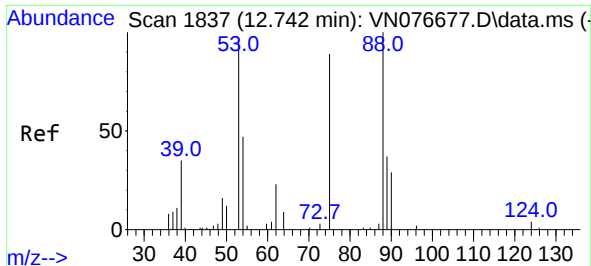
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#76
1,3,5-Trimethylbenzene
Concen: 16.971 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

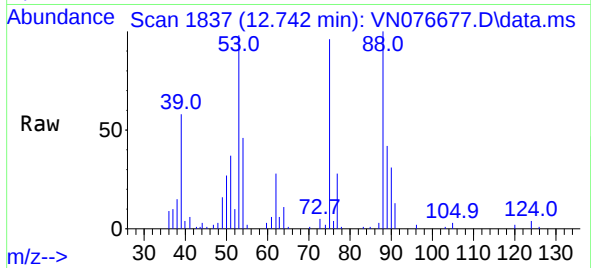
Tgt Ion:105 Resp: 329096
Ion Ratio Lower Upper
105 100
120 51.6 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 17.764 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

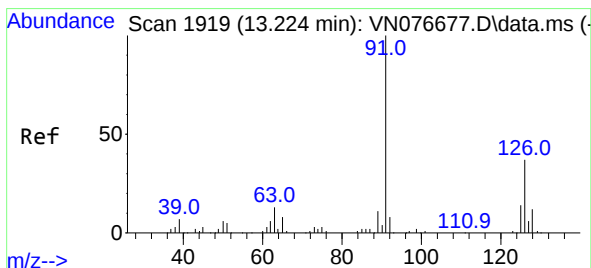
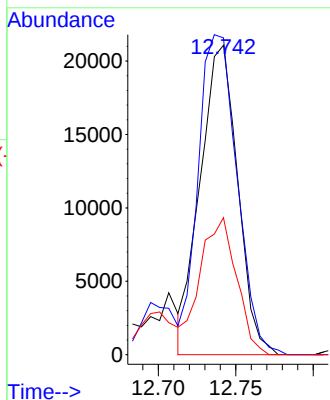
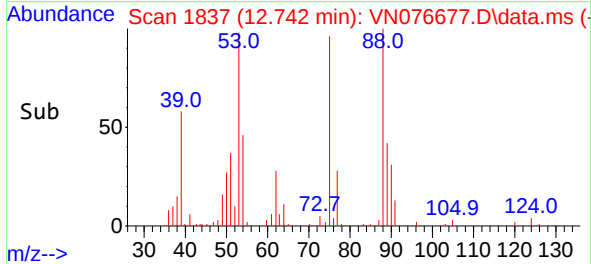
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



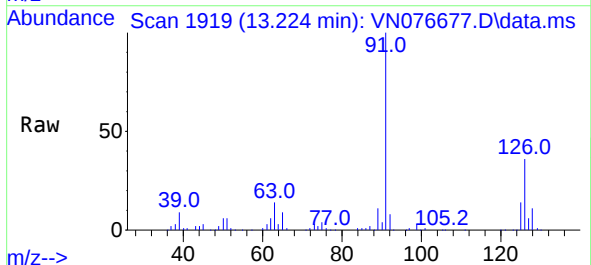
Tgt Ion: 75 Resp: 35430
Ion Ratio Lower Upper
75 100
53 100.9 43.3 129.9
89 44.3 21.1 63.1

Manual Integrations
APPROVED

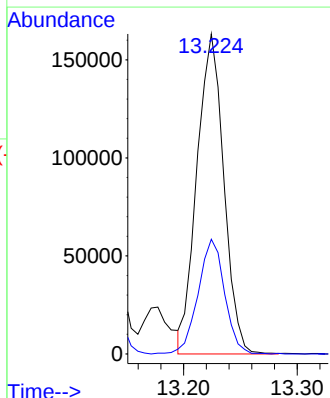
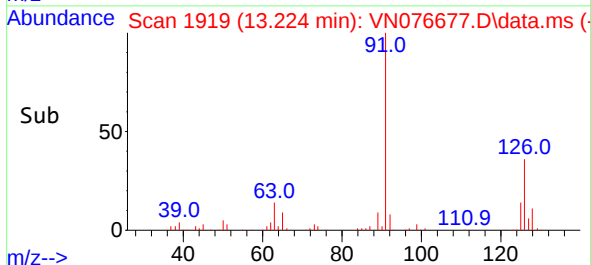
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

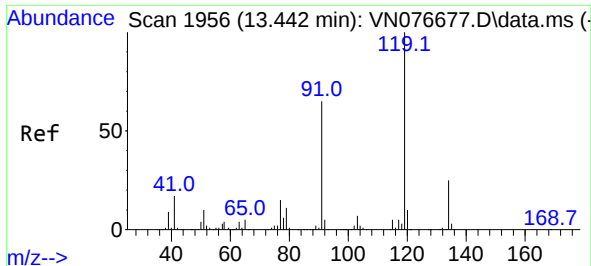


#78
4-Chlorotoluene
Concen: 15.903 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion: 91 Resp: 267897
Ion Ratio Lower Upper
91 100
126 35.3 0.0 67.8





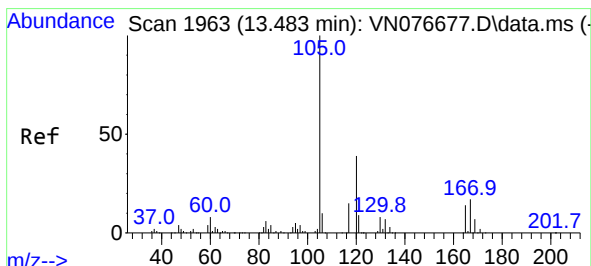
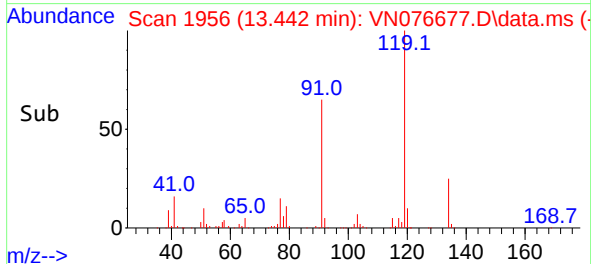
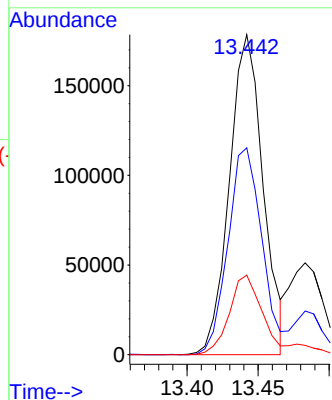
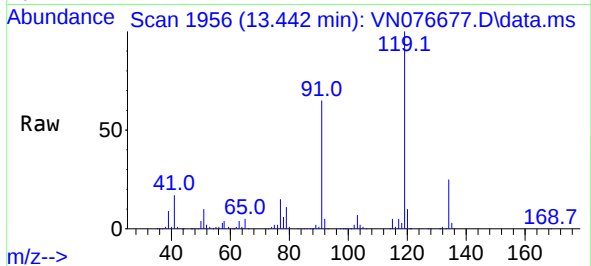
#79
tert-butylbenzene
Concen: 17.867 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 294080
Ion Ratio Lower Upper
119 100
91 64.8 0.0 129.0
134 23.9 0.0 52.2

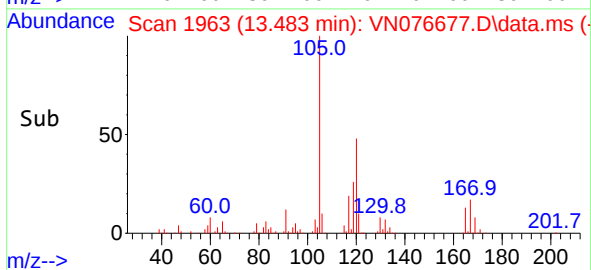
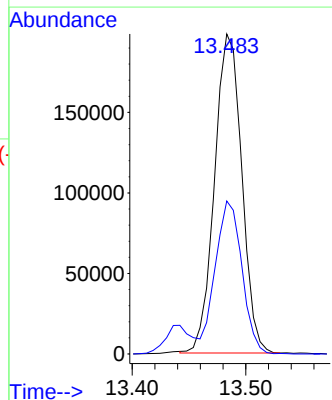
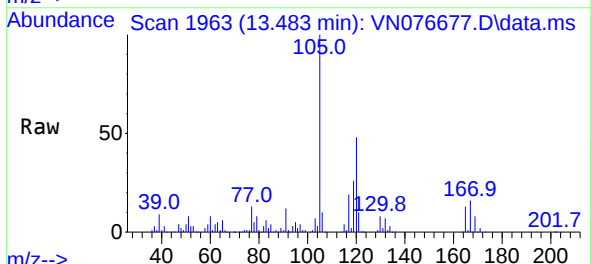
Manual Integrations
APPROVED

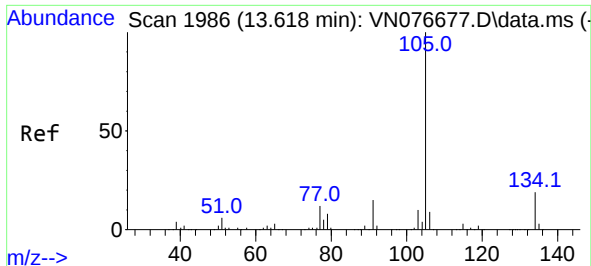
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#80
1,2,4-Trimethylbenzene
Concen: 17.268 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

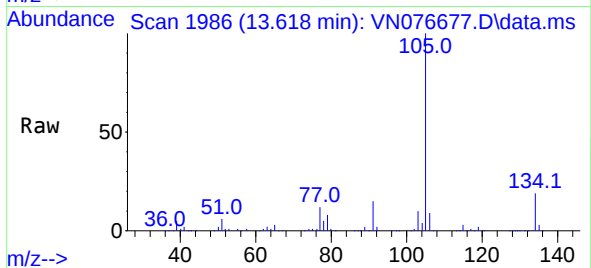
Tgt Ion:105 Resp: 330215
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 18.548 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN076677.D
 Acq: 15 Feb 2023 10:48

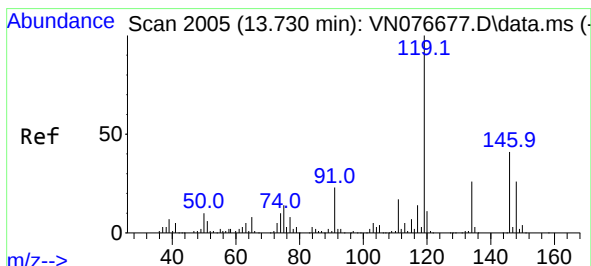
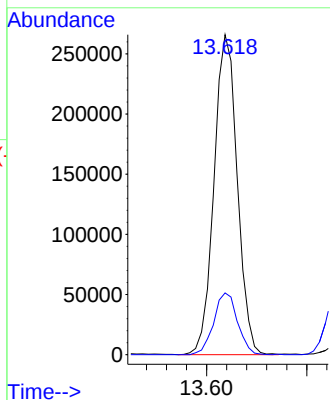
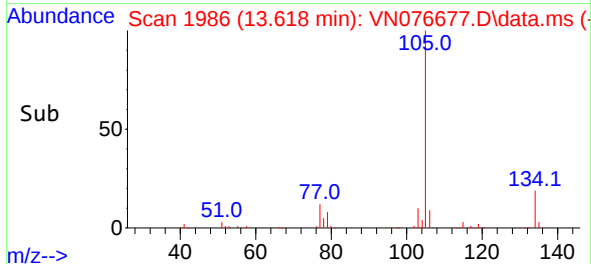
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



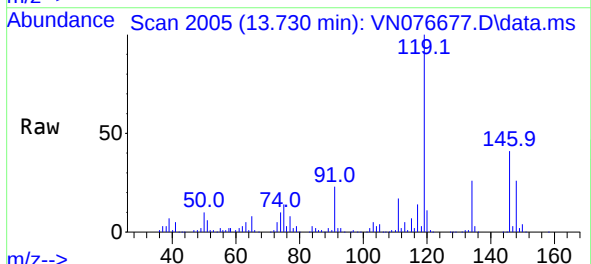
Tgt Ion:105 Resp: 427464
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 38.8

Manual Integrations
 APPROVED

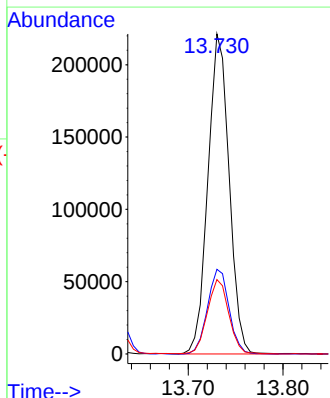
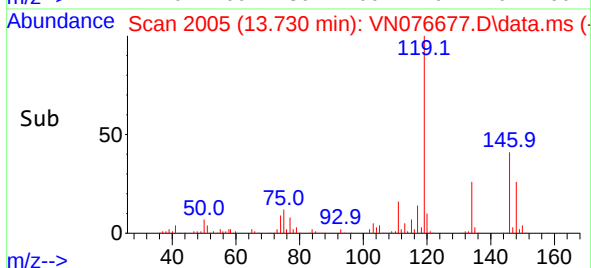
Reviewed By :John Carlone 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

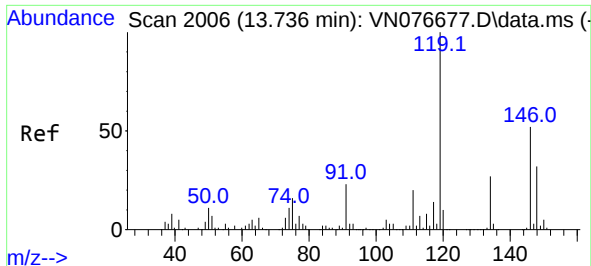


#82
 p-Isopropyltoluene
 Concen: 18.579 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.001 min
 Lab File: VN076677.D
 Acq: 15 Feb 2023 10:48



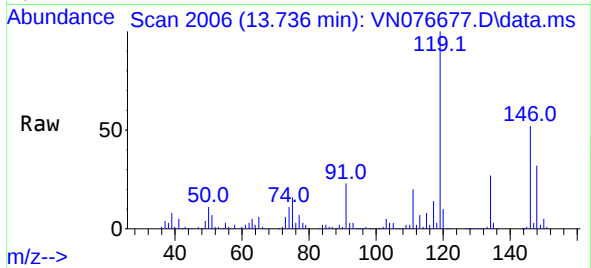
Tgt Ion:119 Resp: 344045
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 51.4
 91 23.6 0.0 46.8





#83
 1,3-Dichlorobenzene
 Concen: 18.622 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.001 min
 Lab File: VN076677.D
 Acq: 15 Feb 2023 10:48

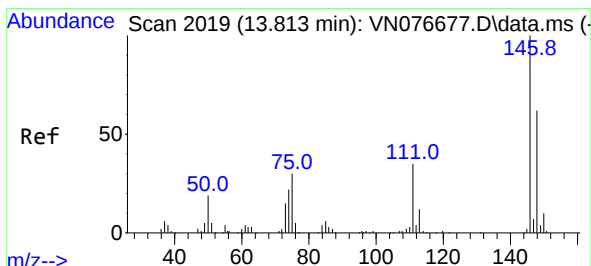
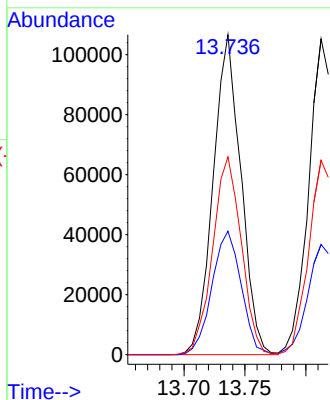
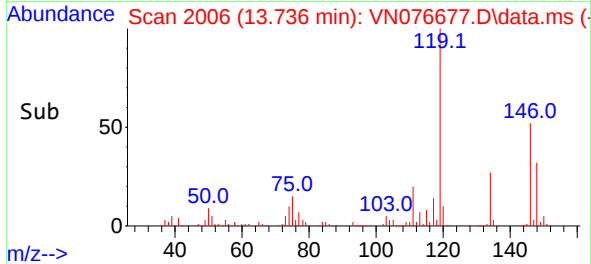
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



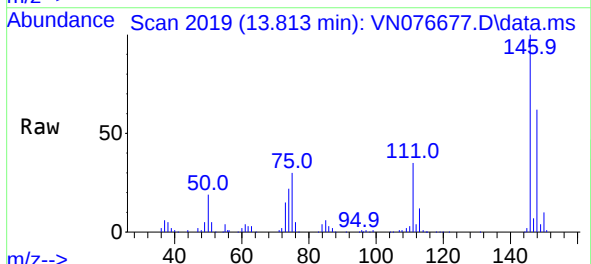
Tgt Ion:146 Resp: 169719
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.5 61.5
 148 63.7 31.0 93.0

Manual Integrations
 APPROVED

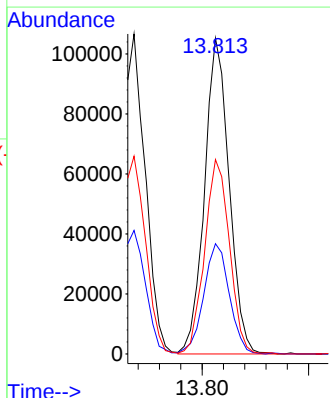
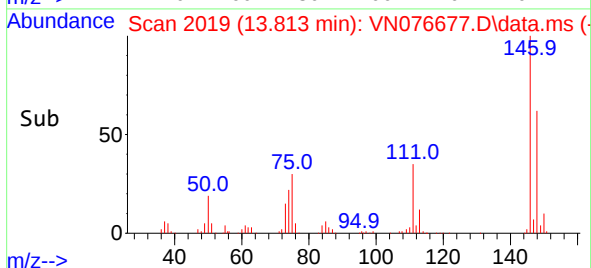
Reviewed By :John Carlone 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

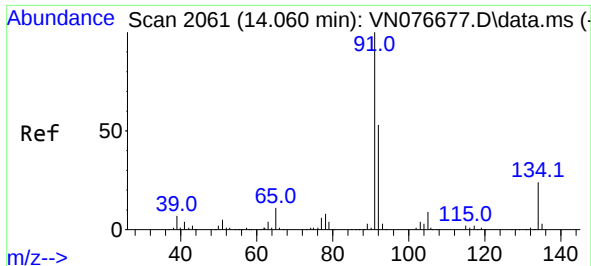


#84
 1,4-Dichlorobenzene
 Concen: 18.570 ug/l
 RT: 13.813 min Scan# 2019
 Delta R.T. 0.001 min
 Lab File: VN076677.D
 Acq: 15 Feb 2023 10:48



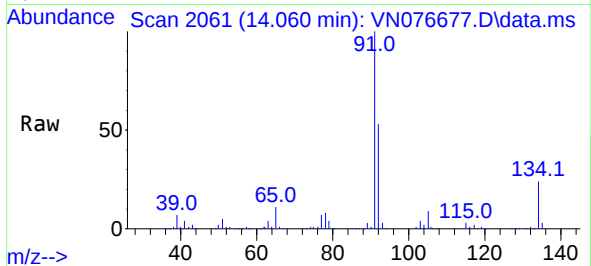
Tgt Ion:146 Resp: 168852
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.1 57.5
 148 62.1 31.7 95.1





#85
n-Butylbenzene
Concen: 16.389 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

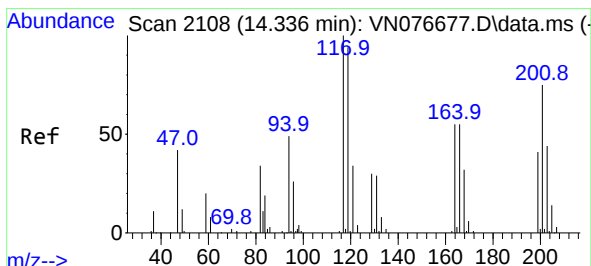
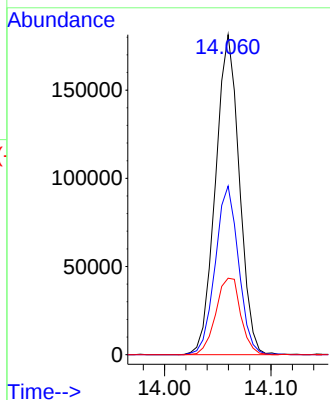
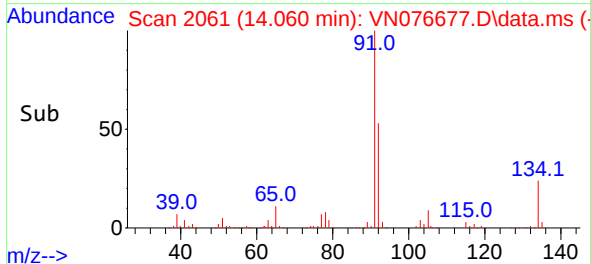
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 91 Resp: 281829
Ion Ratio Lower Upper
91 100
92 51.6 0.0 105.4
134 25.0 0.0 46.4

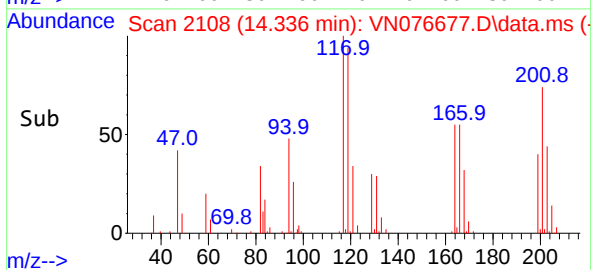
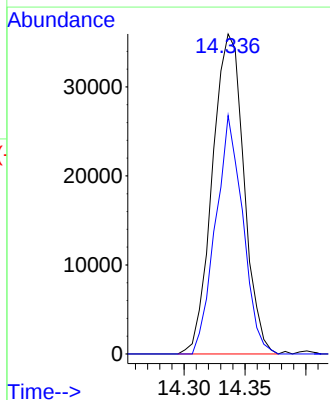
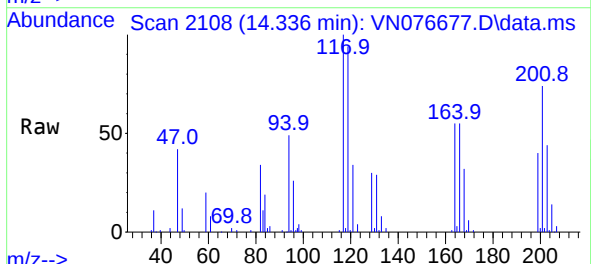
Manual Integrations
APPROVED

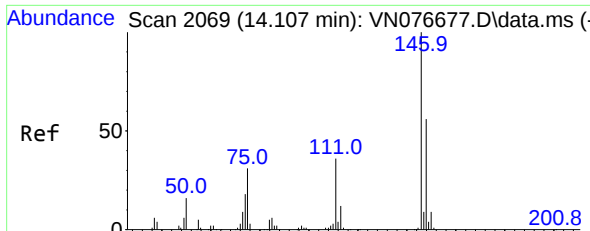
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#86
Hexachloroethane
Concen: 17.993 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

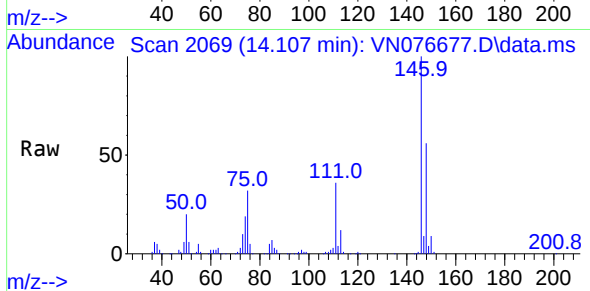
Tgt Ion:117 Resp: 64697
Ion Ratio Lower Upper
117 100
201 64.4 29.4 88.3





#87
1,2-Dichlorobenzene
Concen: 17.028 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

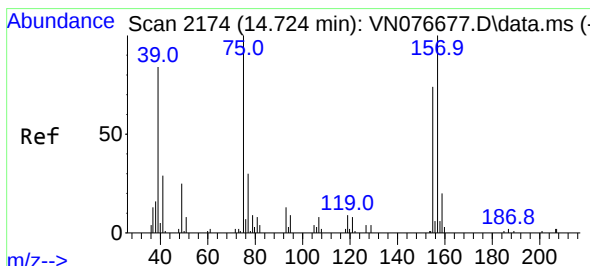
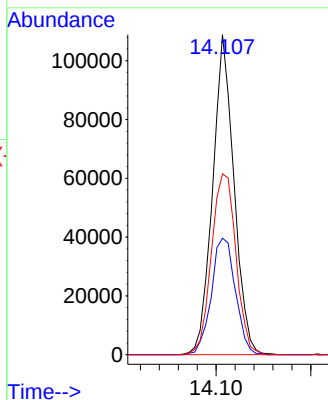
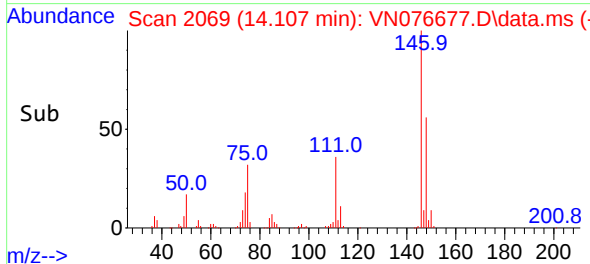
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



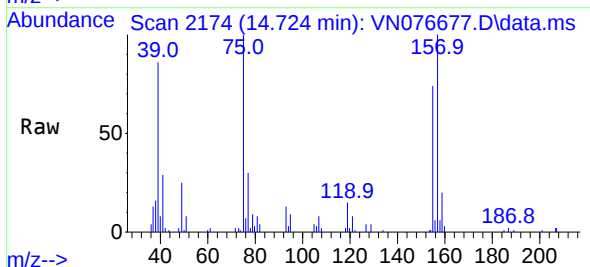
Tgt Ion:146 Resp: 17035
Ion Ratio Lower Upper
146 100
111 41.1 21.4 64.2
148 65.0 30.6 92.0

Manual Integrations
APPROVED

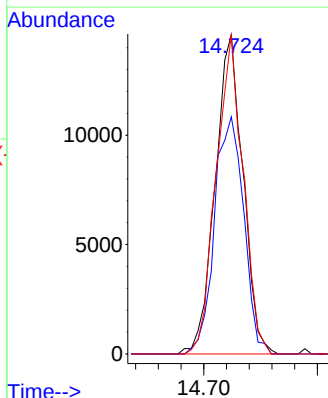
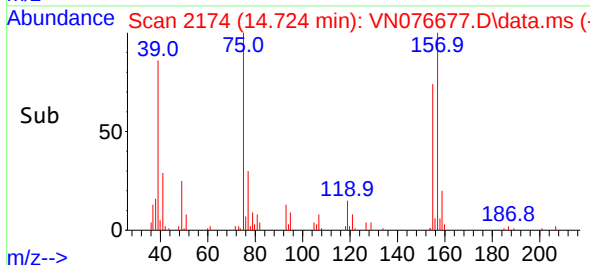
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

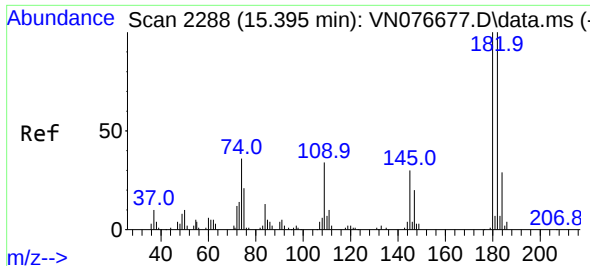


#88
1,2-Dibromo-3-Chloropropane
Concen: 16.793 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



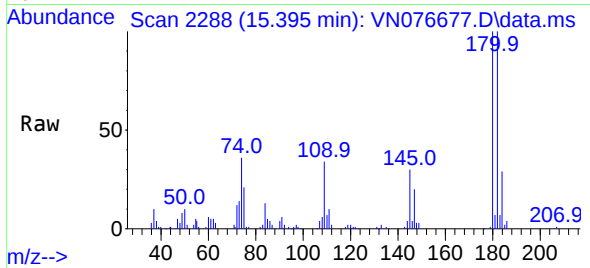
Tgt Ion: 75 Resp: 24781
Ion Ratio Lower Upper
75 100
155 78.1 66.3 99.5
157 96.9 84.3 126.5





#89
1,2,4-Trichlorobenzene
Concen: 19.993 ug/l
RT: 15.395 min Scan# 2100
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

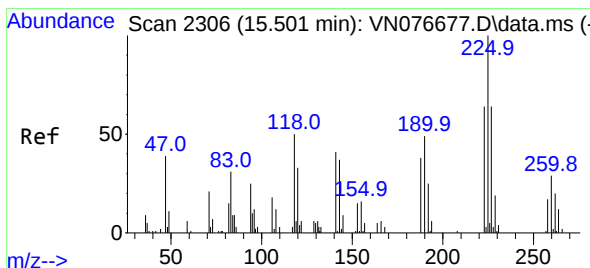
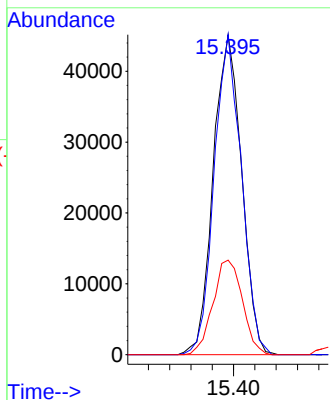
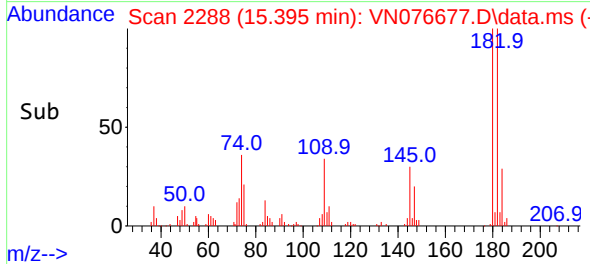
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



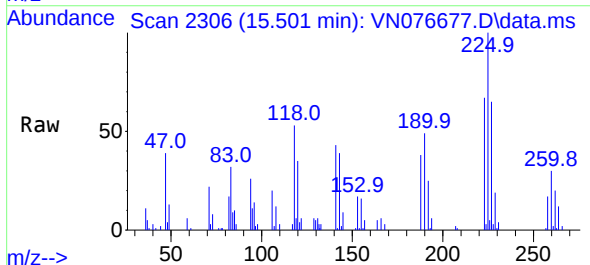
Tgt Ion:180 Resp: 8342
Ion Ratio Lower Upper
180 100
182 95.8 74.9 112.3
145 30.7 26.3 39.5

Manual Integrations
APPROVED

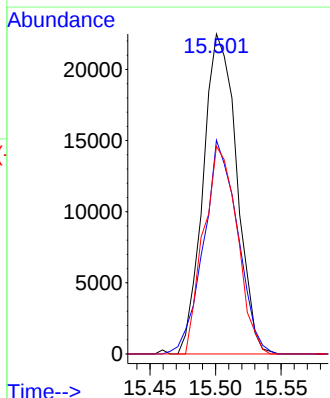
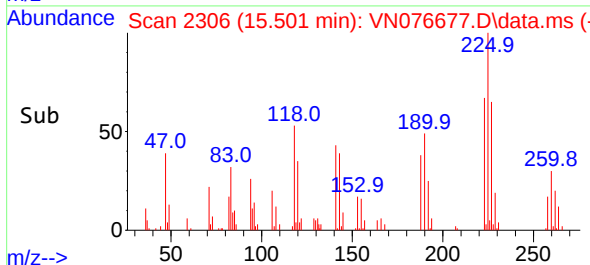
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

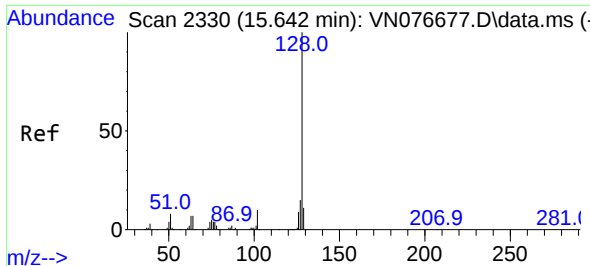


#90
Hexachlorobutadiene
Concen: 19.864 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



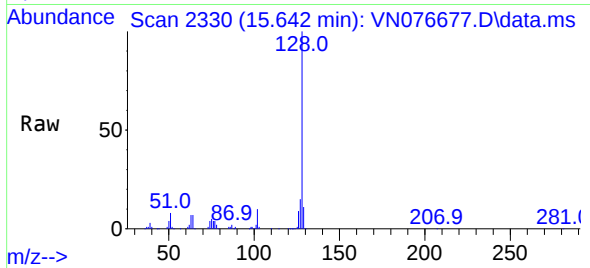
Tgt Ion:225 Resp: 40039
Ion Ratio Lower Upper
225 100
223 67.7 0.0 125.0
227 64.7 0.0 123.0





#91
Naphthalene
Concen: 19.399 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.001 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48

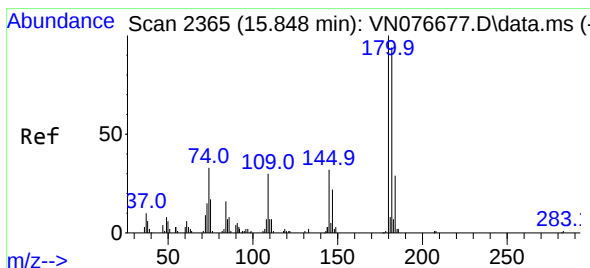
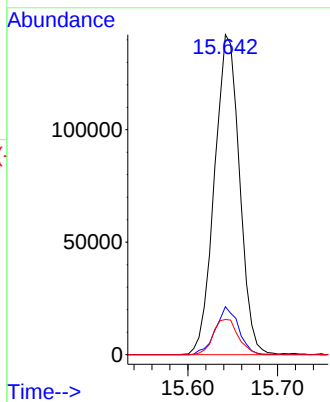
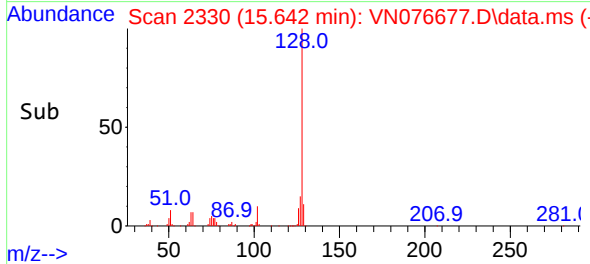
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



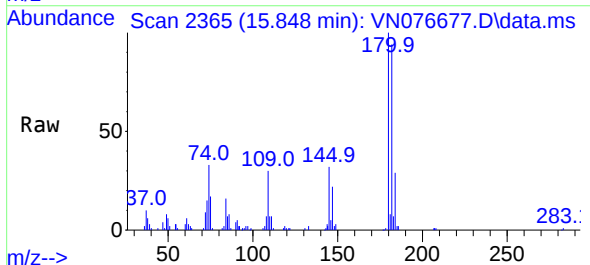
Tgt Ion:128 Resp: 27616
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 11.1 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#92
1,2,3-Trichlorobenzene
Concen: 20.218 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. 0.007 min
Lab File: VN076677.D
Acq: 15 Feb 2023 10:48



Tgt Ion:180 Resp: 84197
Ion Ratio Lower Upper
180 100
182 95.4 0.0 185.4
145 32.5 0.0 68.6

