

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076698.D
 Acq On : 15 Feb 2023 20:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Feb 16 04:37:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	28277	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.113	114	205555	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	231780	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84497	32.672	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.900%			
60) 4-Bromofluorobenzene	12.848	95	125285	30.560	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.867%			
63) Toluene-d8	10.572	98	251790	31.014	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	62985	21.048	ug/l	97
3) Chloromethane	2.378	50	80104	21.800	ug/l	99
4) Vinyl Chloride	2.525	62	88155	22.478	ug/l	99
5) Bromomethane	2.960	94	54570	20.154	ug/l	97
6) Chloroethane	3.125	64	59799	23.513	ug/l #	85
7) Trichlorofluoromethane	3.507	101	102986	21.065	ug/l	98
8) Diethyl Ether	3.978	74	41512	21.400	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	60977	20.522	ug/l	98
10) 1,1-Dichloroethene	4.354	96	59726	21.403	ug/l	94
11) Methyl Iodide	4.595	142	70627	20.282	ug/l	91
12) Methyl Acetate	5.043	43	138083m	24.136	ug/l	
13) Acrolein	4.196	56	69707	102.590	ug/l	99
14) Acrylonitrile	5.737	53	198876	113.272	ug/l	99
15) Acetone	4.443	58	50878	89.503	ug/l	97
16) Carbon Disulfide	4.725	76	163908	20.940	ug/l	99
17) Allyl chloride	5.043	41	105081	21.037	ug/l	93
18) Methylene Chloride	5.290	84	76132	21.614	ug/l	88
19) trans-1,2-Dichloroethene	5.801	96	63521	20.296	ug/l	93
20) Diisopropyl ether	6.684	45	249011	21.082	ug/l	98
21) 1,1-Dichloroethane	6.578	63	135158	21.876	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	76090	21.191	ug/l	99
23) tert-Butyl Alcohol	5.537	59	61722m	121.640	ug/l	
24) Methyl tert-Butyl Ether	5.813	73	210767	21.829	ug/l #	81
25) Chloroform	7.978	83	135436	22.354	ug/l	98
26) Cyclohexane	8.266	56	117361	21.253	ug/l #	99
29) 1,1-Dichloropropene	8.383	75	97377	20.768	ug/l	97
30) 2-Butanone	7.489	43	294191	107.565	ug/l	96
31) 2,2-Dichloropropane	7.495	77	84771	17.299	ug/l #	60
32) 1,1,1-Trichloroethane	8.178	97	109781	20.168	ug/l	99
33) Carbon Tetrachloride	8.372	117	92978	19.714	ug/l	94
34) Benzene	8.613	78	308847	20.632	ug/l	97
35) Methacrylonitrile	7.784	41	66871	22.415	ug/l	94
36) 1,2-Dichloroethane	8.678	62	107934	21.542	ug/l	99
37) Trichloroethene	9.354	130	65778	18.895	ug/l	99
38) Methylcyclohexane	9.607	83	113449	19.227	ug/l	96
39) 1,2-Dichloropropane	9.630	63	82175	21.123	ug/l	90
40) Dibromomethane	9.713	93	53107	21.405	ug/l	96
41) Bromodichloromethane	9.895	83	101850	20.465	ug/l	98
42) Vinyl Acetate	6.619	43	813107	102.584	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	122496m	23.508	ug/l	
44) Isopropyl Acetate	8.695	43	182840	21.316	ug/l	100
45) 1,4-Dioxane	9.701	88	31907	439.514	ug/l	98
46) Methyl methacrylate	9.689	41	87641	22.258	ug/l	98
47) n-amyl Acetate	12.495	43	159599	21.070	ug/l	95
48) t-1,3-Dichloropropene	10.842	75	97911	19.398	ug/l	97
49) cis-1,3-Dichloropropene	10.319	75	110989	19.319	ug/l	95
50) 1,1,2-Trichloroethane	11.019	97	75374	20.899	ug/l	97
51) Ethyl methacrylate	10.877	69	111105	21.218	ug/l	97
52) 1,3-Dichloropropane	11.166	76	133383	21.511	ug/l	99
53) Dibromochloromethane	11.360	129	75595	20.405	ug/l	97
54) 1,2-Dibromoethane	11.472	107	69634	19.833	ug/l	95
55) 2-Chloroethyl vinyl ether	10.166	63	218494	94.121	ug/l	99
56) Bromoform	12.583	173	49304	19.324	ug/l	100
58) 4-Methyl-2-Pentanone	10.448	43	623593	113.121	ug/l	100
59) 2-Hexanone	11.201	43	457999	111.697	ug/l	99
61) Tetrachloroethene	11.107	164	54368	18.575	ug/l	87
62) Toluene	10.636	91	330778	20.421	ug/l	97
64) Chlorobenzene	11.895	112	191710	19.866	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.966	131	70907	20.043	ug/l	96
66) Ethyl Benzene	11.966	91	353964	20.555	ug/l	95
67) m/p-Xylenes	12.077	106	278565	41.367	ug/l	97
68) o-Xylene	12.401	106	140579	21.184	ug/l	94
69) Styrene	12.418	104	223837	21.010	ug/l	100
70) Isopropylbenzene	12.701	105	347165	20.506	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	119683	21.608	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	92811m	19.022	ug/l	
73) Bromobenzene	12.983	156	78986	20.107	ug/l	93
74) n-propylbenzene	13.042	91	409719	20.320	ug/l	100
75) 2-Chlorotoluene	13.130	91	246308	20.529	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	296005	20.964	ug/l	96
77) t-1,4-Dichloro-2-butene	12.736	75	34477	21.994	ug/l	95
78) 4-Chlorotoluene	13.224	91	237988	20.691	ug/l	99
79) tert-butylbenzene	13.442	119	255283	20.420	ug/l	98
80) 1,2,4-Trimethylbenzene	13.483	105	293780	20.954	ug/l	99
81) sec-Butylbenzene	13.618	105	369264	20.569	ug/l	100
82) p-Isopropyltoluene	13.736	119	300862	20.671	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	151779	20.221	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	147863	20.196	ug/l	97
85) n-Butylbenzene	14.060	91	237328	19.239	ug/l	99
86) Hexachloroethane	14.336	117	56114	19.916	ug/l	99
87) 1,2-Dichlorobenzene	14.113	146	154311	20.446	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	20962	20.417	ug/l	92
89) 1,2,4-Trichlorobenzene	15.395	180	72395	18.803	ug/l	96
90) Hexachlorobutadiene	15.507	225	35119	18.933	ug/l	96
91) Naphthalene	15.648	128	245544	19.834	ug/l	100
92) 1,2,3-Trichlorobenzene	15.842	180	72950	18.667	ug/l	98

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

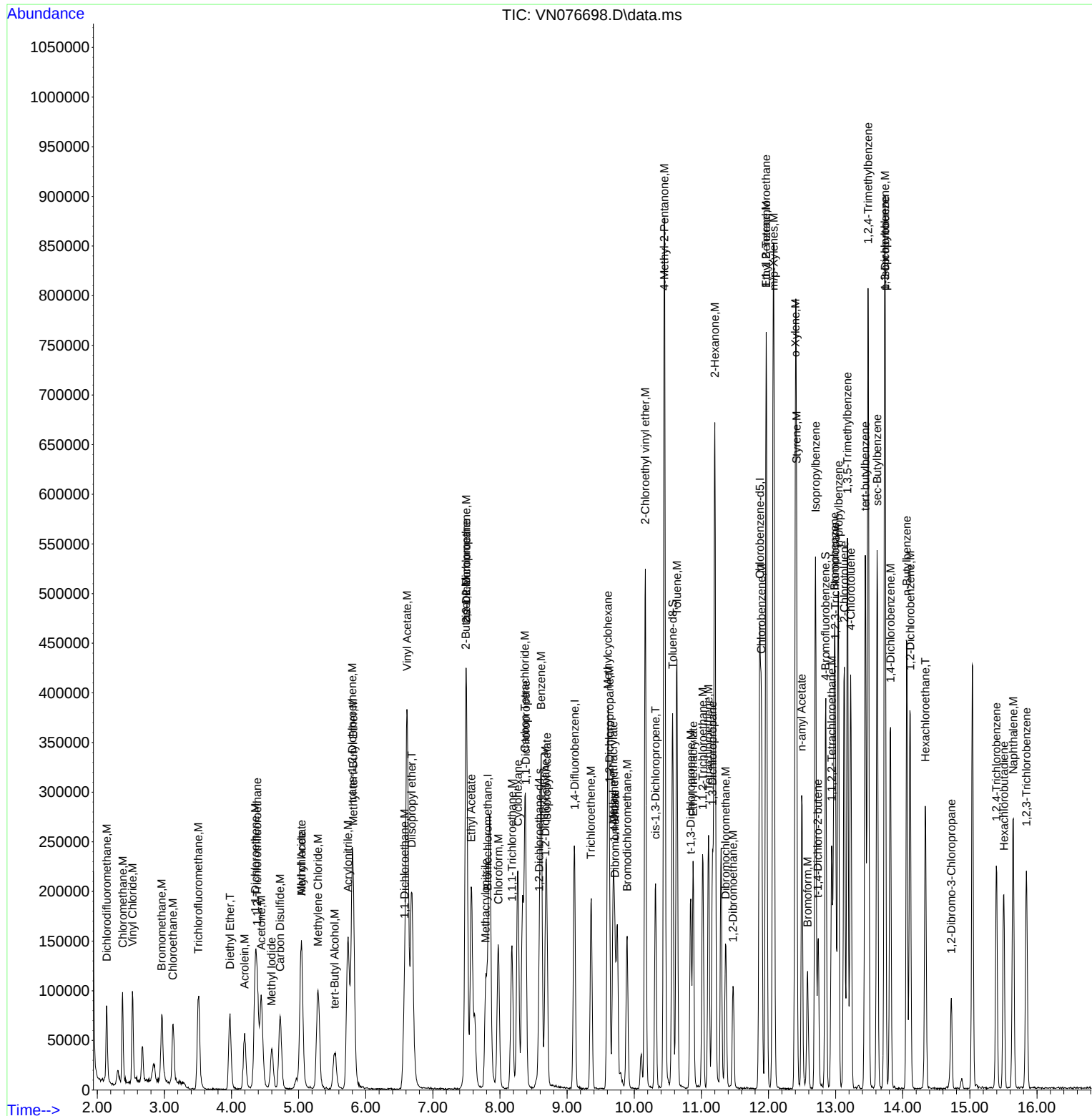
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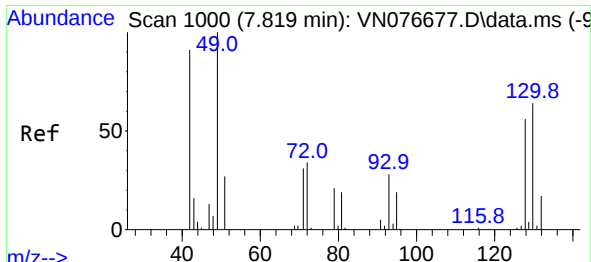
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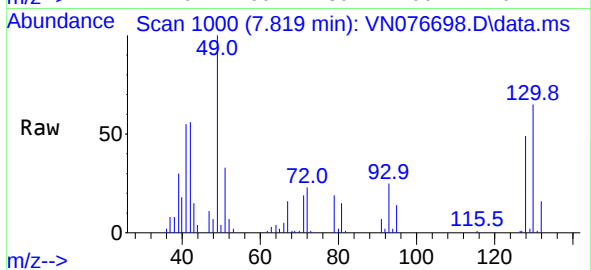
Reviewed By : John Carlone 02/16/2023
Supervised By : Mahesh Dadoda 02/18/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

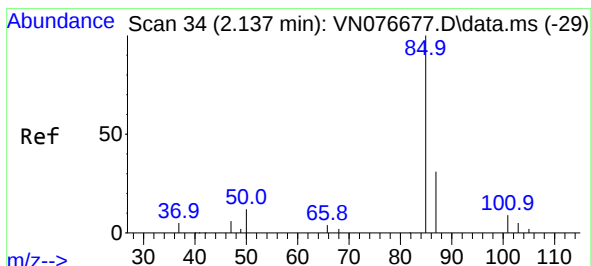
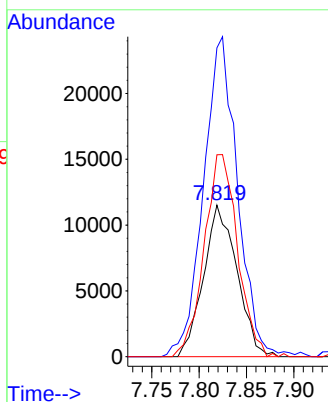
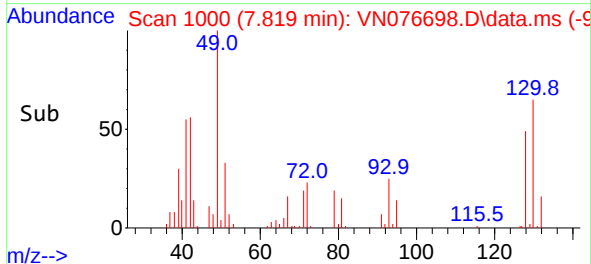
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



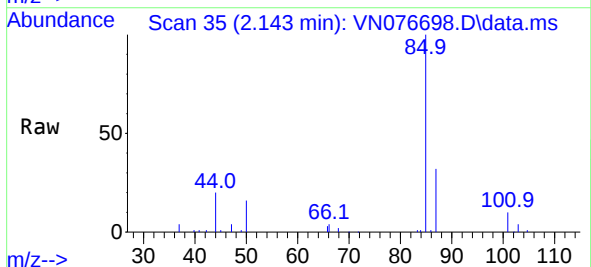
Tgt Ion:128 Resp: 2827
Ion Ratio Lower Upper
128 100
49 213.6 0.0 461.8
130 132.6 0.0 295.3

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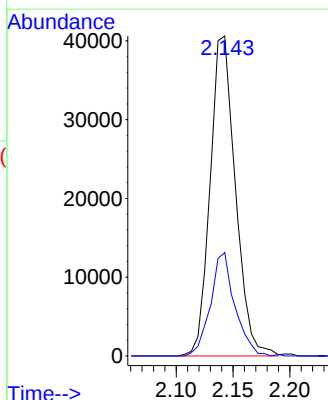
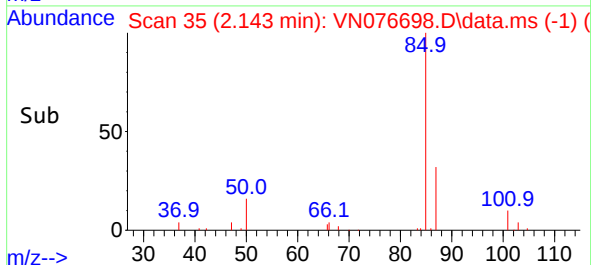
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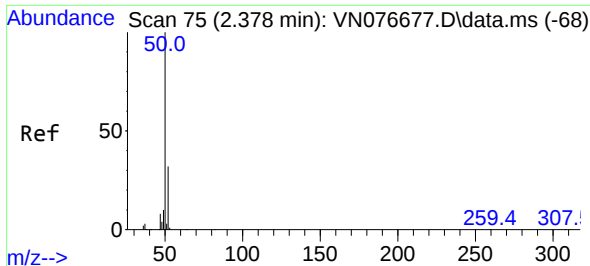


#2
Dichlorodifluoromethane
Concen: 21.048 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



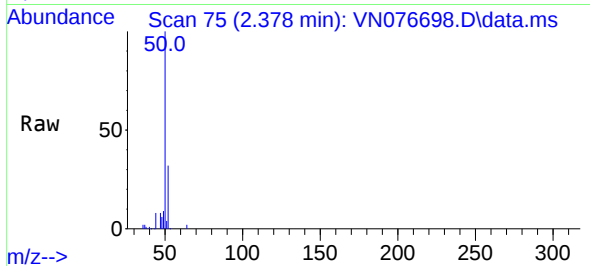
Tgt Ion: 85 Resp: 62985
Ion Ratio Lower Upper
85 100
87 32.3 15.4 46.1





#3
Chloromethane
Concen: 21.800 ug/l
RT: 2.378 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

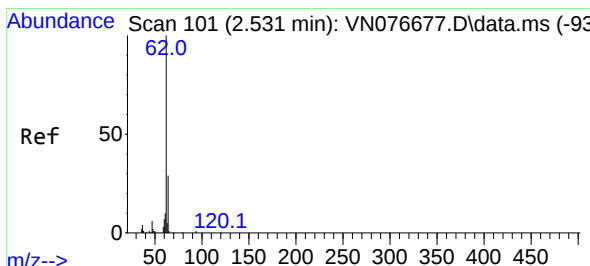
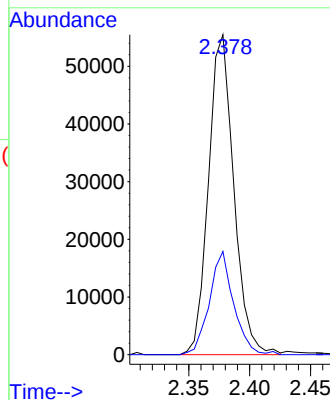
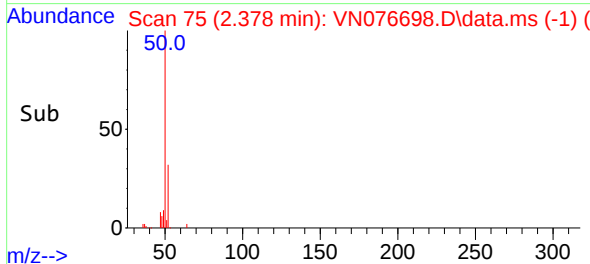
Instrument :
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VSTDCCC020EC



Tgt Ion: 50 Resp: 80104
Ion Ratio Lower Upper
50 100
52 32.2 25.3 37.9

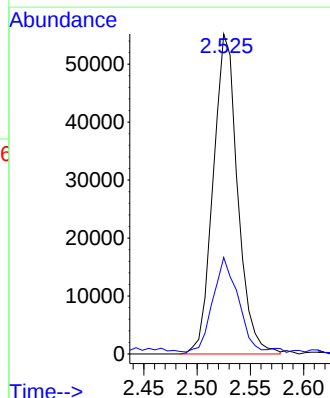
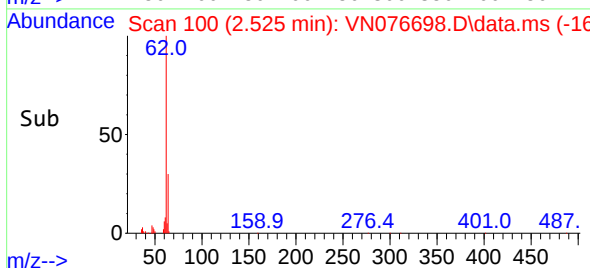
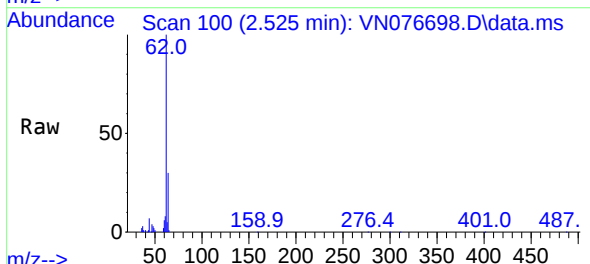
Manual Integrations
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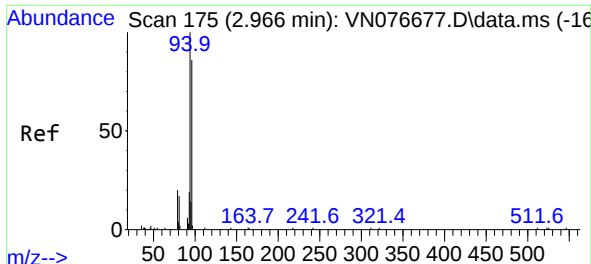
Reviewed By :John Carlone 02/16/2023
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#4
Vinyl Chloride
Concen: 22.478 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

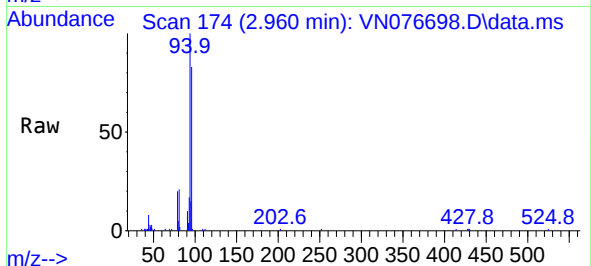
Tgt Ion: 62 Resp: 88155
Ion Ratio Lower Upper
62 100
64 29.4 23.1 34.7





#5
Bromomethane
Concen: 20.154 ug/l
RT: 2.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

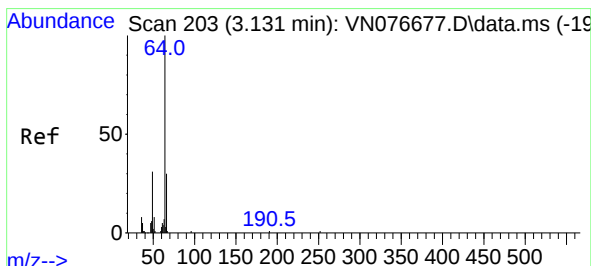
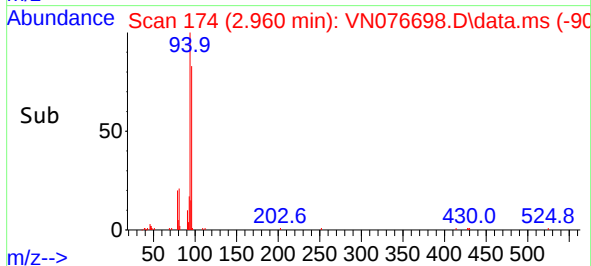
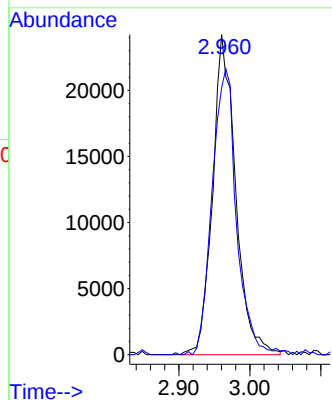
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 54570
Ion Ratio Lower Upper
94 100
96 83.4 68.6 103.0

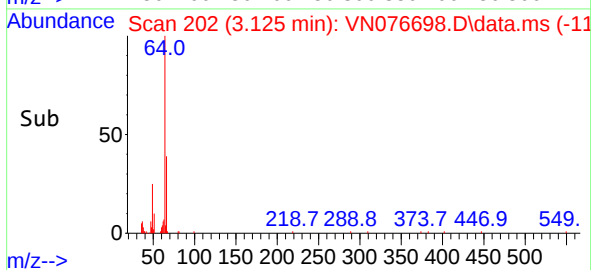
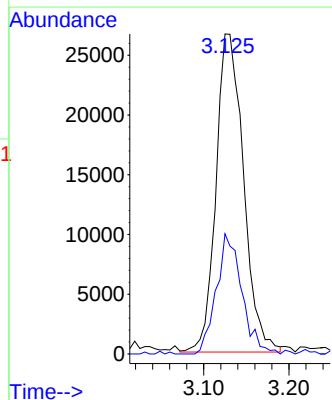
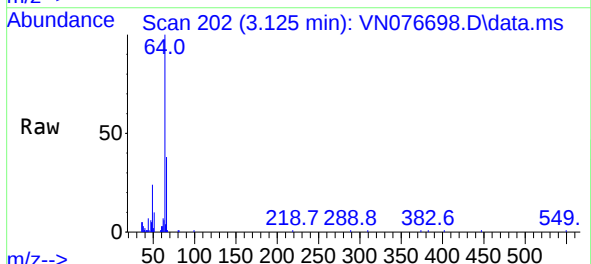
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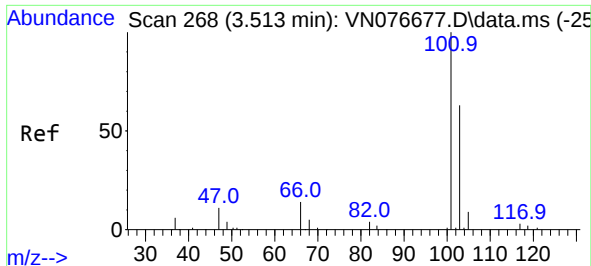
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#6
Chloroethane
Concen: 23.513 ug/l
RT: 3.125 min Scan# 202
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion: 64 Resp: 59799
Ion Ratio Lower Upper
64 100
66 37.9 23.8 35.6#





#7
 Trichlorofluoromethane
 Concen: 21.065 ug/l
 RT: 3.507 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN076698.D
 Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

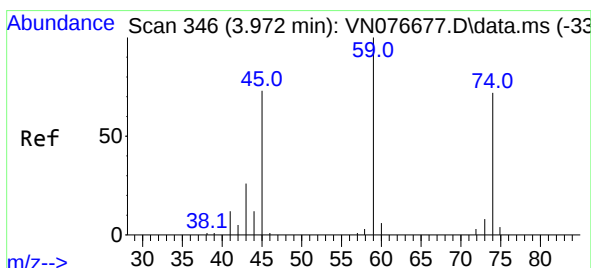
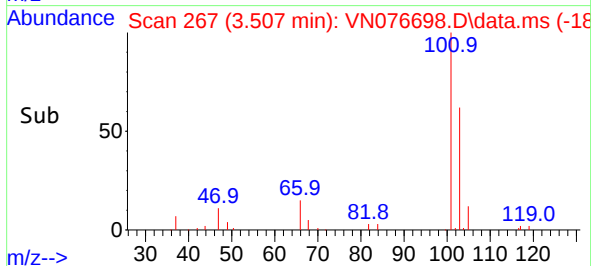
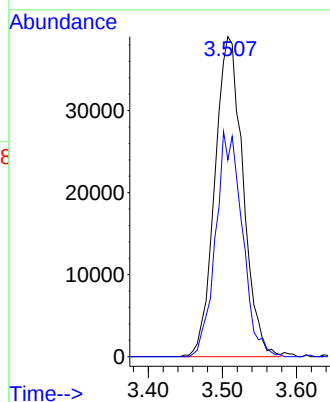
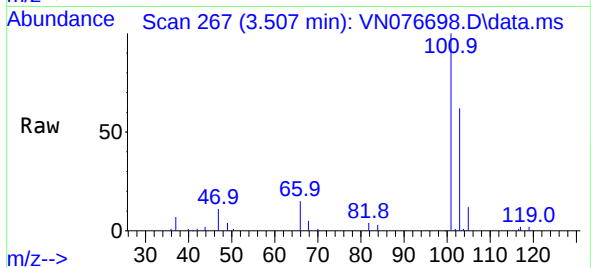
VSTDCCC020EC

Tgt Ion:101 Resp: 10298
 Ion Ratio Lower Upper
 101 100
 103 61.5 50.2 75.2

Manual Integrations

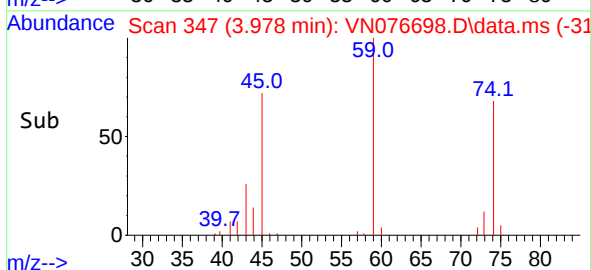
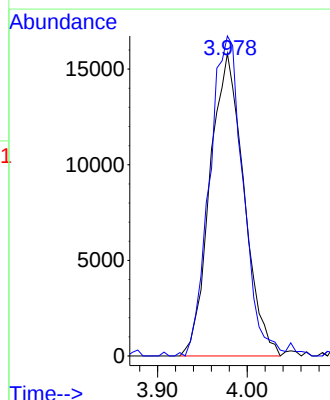
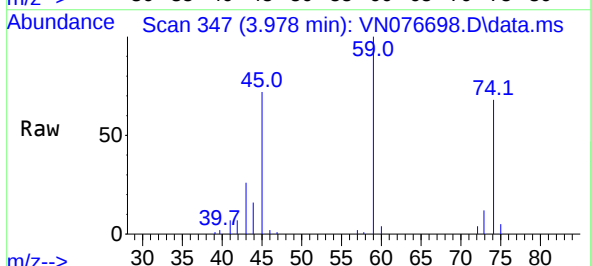
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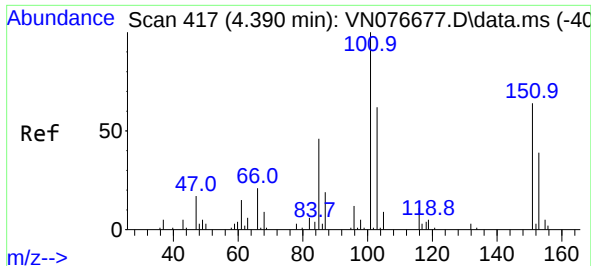
Reviewed By :John Carlone 02/16/2023
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#8
 Diethyl Ether
 Concen: 21.400 ug/l
 RT: 3.978 min Scan# 347
 Delta R.T. 0.006 min
 Lab File: VN076698.D
 Acq: 15 Feb 2023 20:28

Tgt Ion: 74 Resp: 41512
 Ion Ratio Lower Upper
 74 100
 45 104.5 21.4 193.0





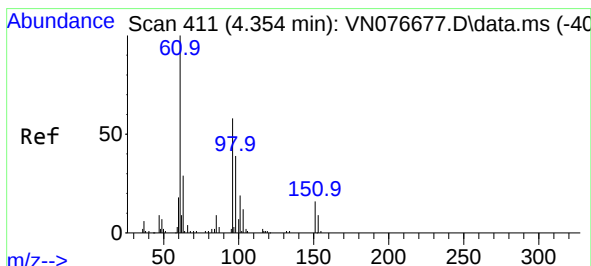
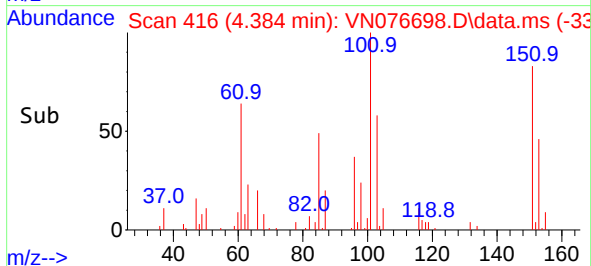
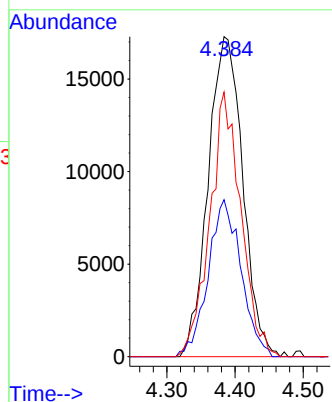
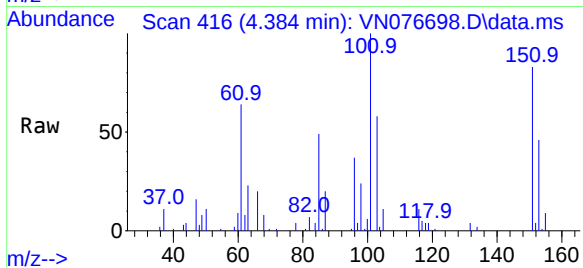
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.522 ug/l
RT: 4.384 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 6097
Ion Ratio Lower Upper
101 100
85 46.7 0.0 95.2
151 72.9 0.0 142.2

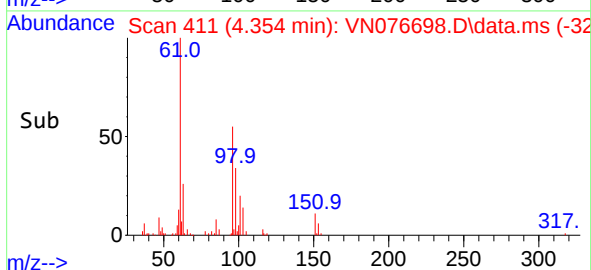
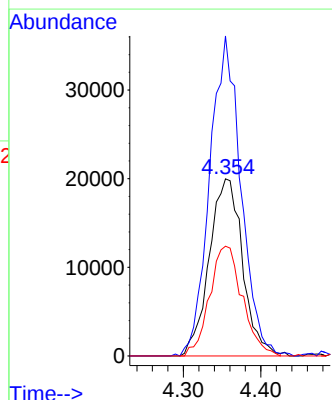
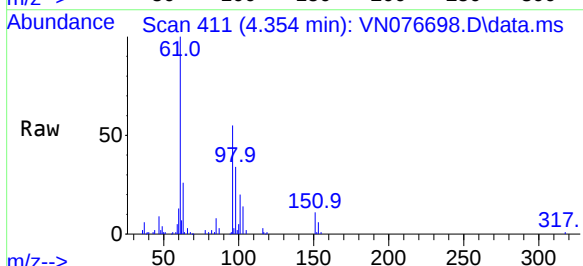
Manual Integrations
APPROVED

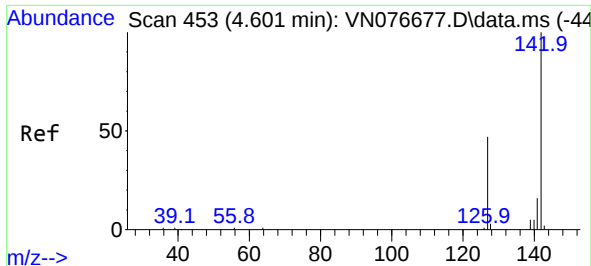
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#10
1,1-Dichloroethene
Concen: 21.403 ug/l
RT: 4.354 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

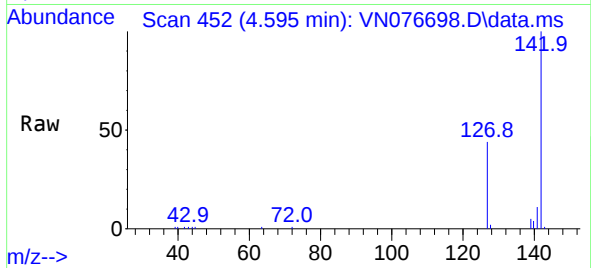
Tgt Ion: 96 Resp: 59726
Ion Ratio Lower Upper
96 100
61 180.7 137.1 205.7
98 61.9 53.2 79.8





#11
Methyl Iodide
Concen: 20.282 ug/l
RT: 4.595 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

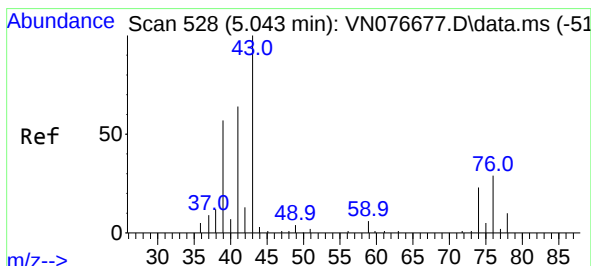
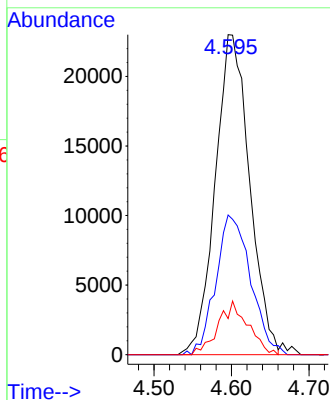
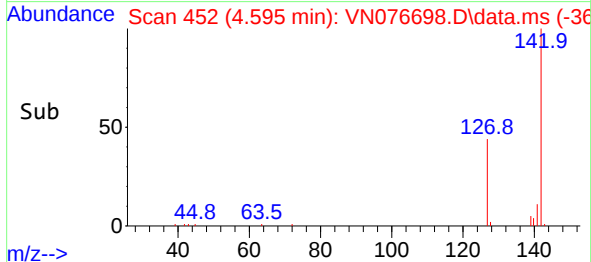
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 7062
Ion Ratio Lower Upper
142 100
127 44.3 25.0 75.0
141 11.4 8.0 24.0

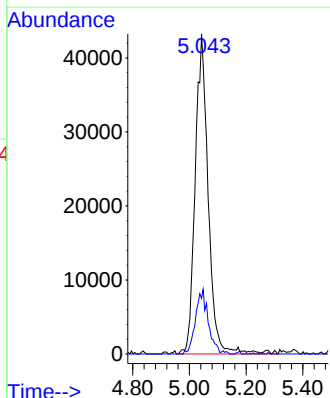
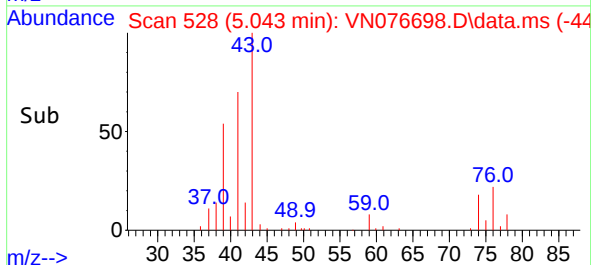
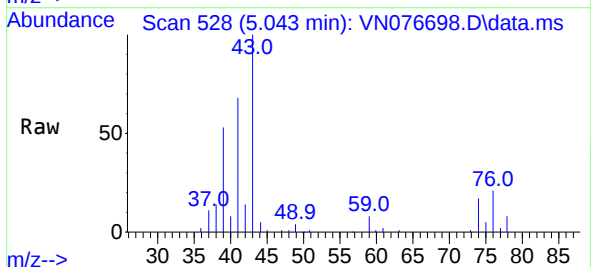
Manual Integrations
APPROVED

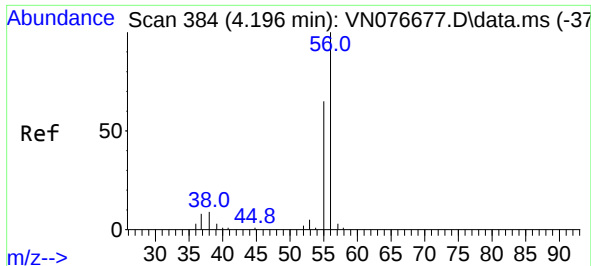
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#12
Methyl Acetate
Concen: 24.136 ug/l m
RT: 5.043 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

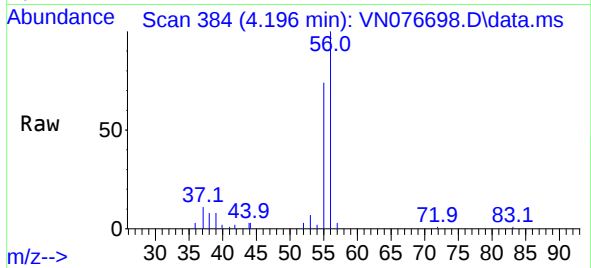
Tgt Ion: 43 Resp: 138083
Ion Ratio Lower Upper
43 100
74 17.4 19.0 28.4#





#13
Acrolein
Concen: 102.590 ug/l
RT: 4.196 min Scan# 384
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

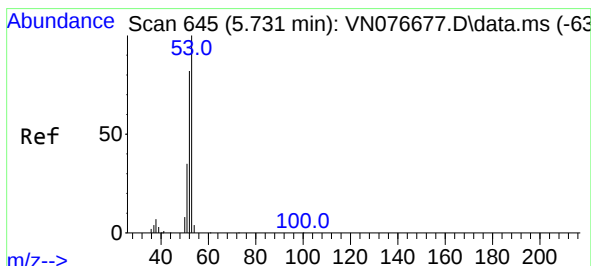
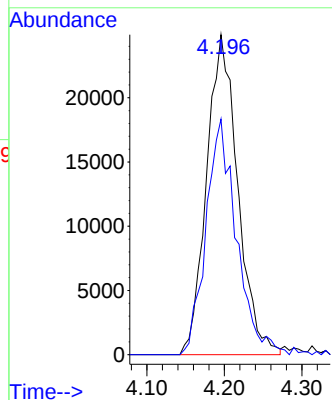
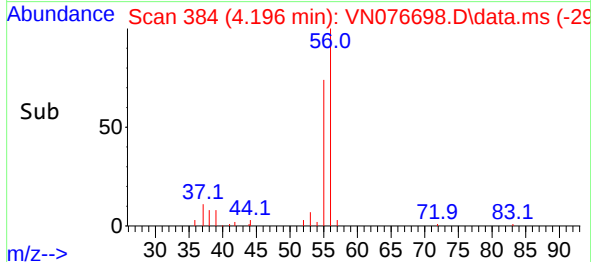
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 56 Resp: 6970
Ion Ratio Lower Upper
56 100
55 69.9 55.0 82.4

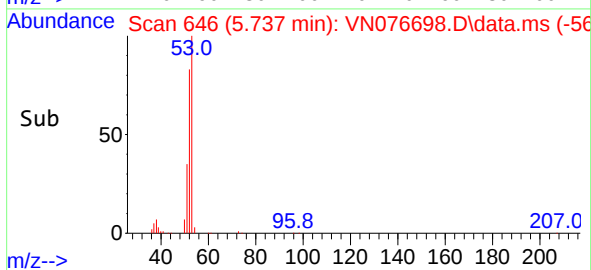
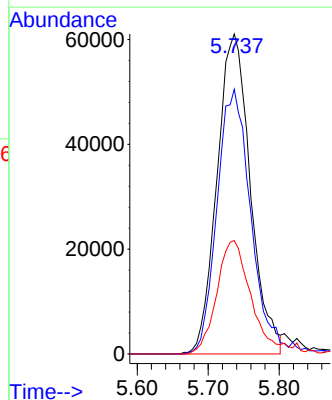
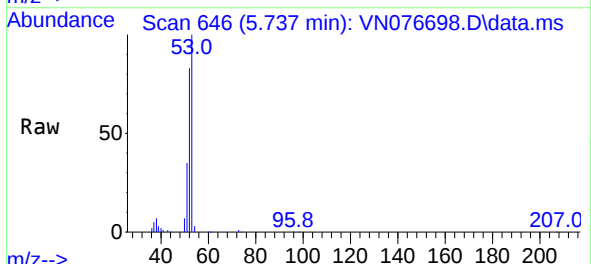
Manual Integrations
APPROVED

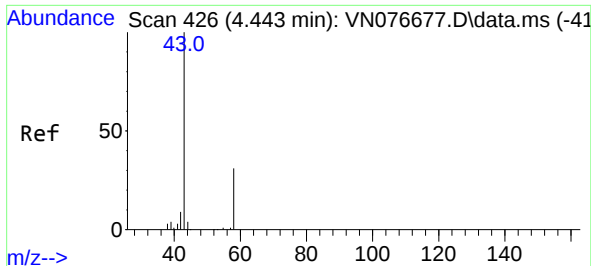
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#14
Acrylonitrile
Concen: 113.272 ug/l
RT: 5.737 min Scan# 646
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion: 53 Resp: 198876
Ion Ratio Lower Upper
53 100
52 83.5 41.5 124.6
51 35.8 17.6 52.8





#15

Acetone

Concen: 89.503 ug/l

RT: 4.443 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN076698.D

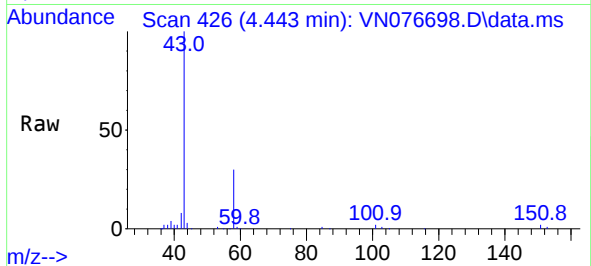
Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion: 58 Resp: 50878

Ion Ratio Lower Upper

58 100

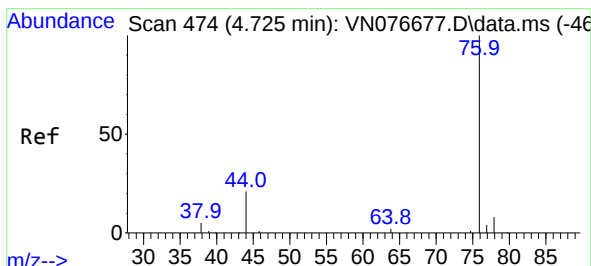
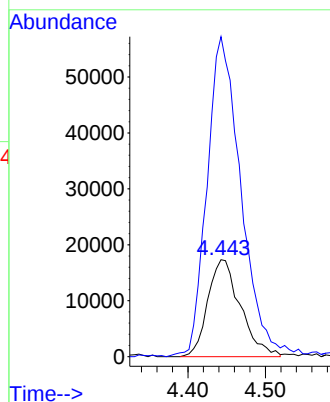
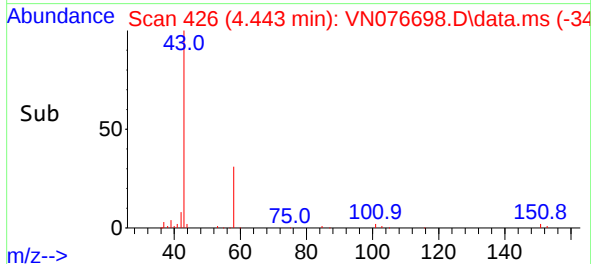
43 325.9 255.4 383.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#16

Carbon Disulfide

Concen: 20.940 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN076698.D

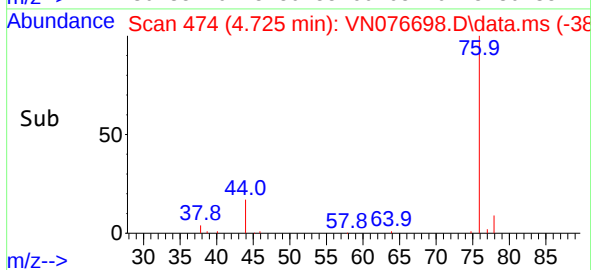
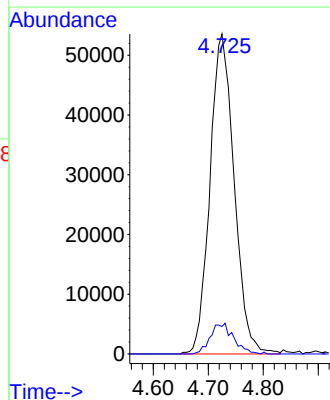
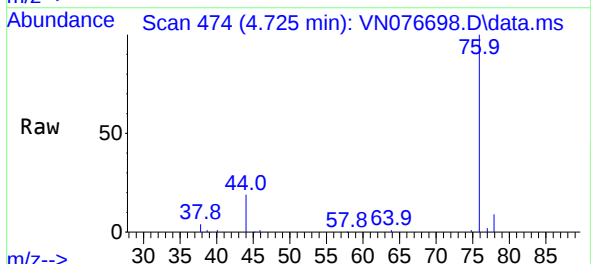
Acq: 15 Feb 2023 20:28

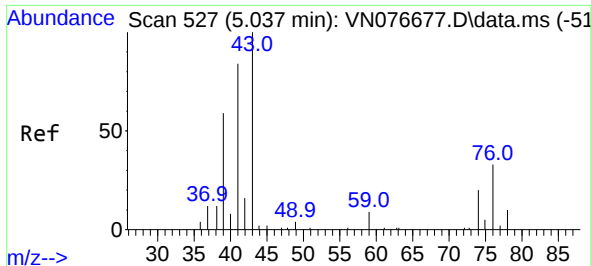
Tgt Ion: 76 Resp: 163908

Ion Ratio Lower Upper

76 100

78 8.6 6.6 9.8





#17
 Allyl chloride
 Concen: 21.037 ug/l
 RT: 5.043 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN076698.D
 Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

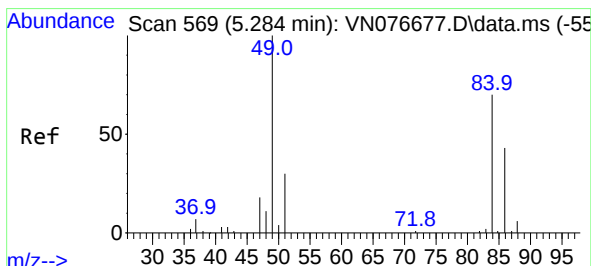
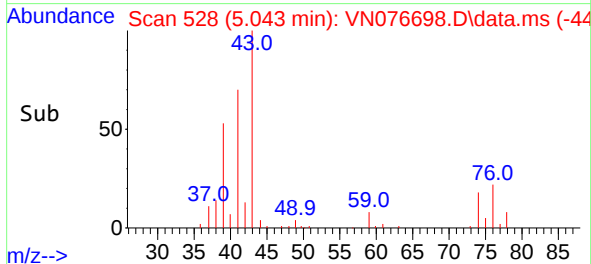
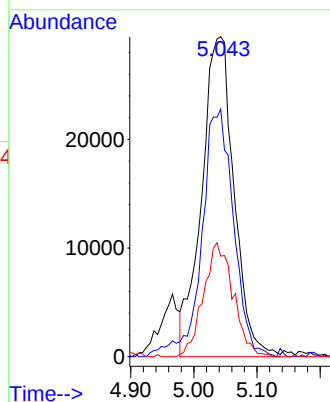
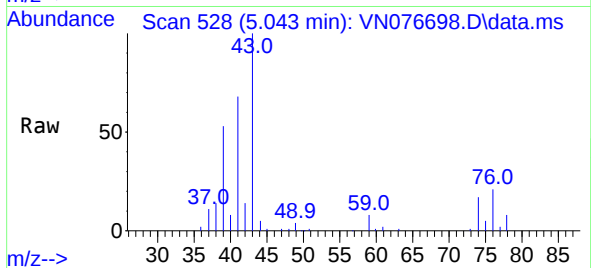
VSTDCCC020EC

Tgt Ion: 41 Resp: 10508
 Ion Ratio Lower Upper
 41 100
 39 75.3 34.8 104.3
 76 31.7 17.5 52.5

Manual Integrations

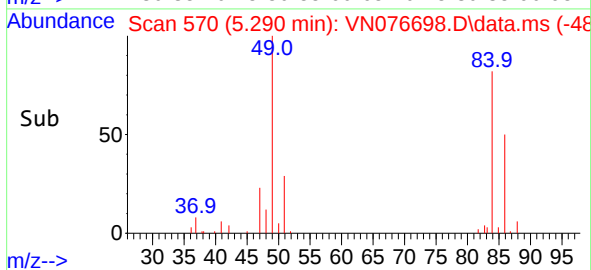
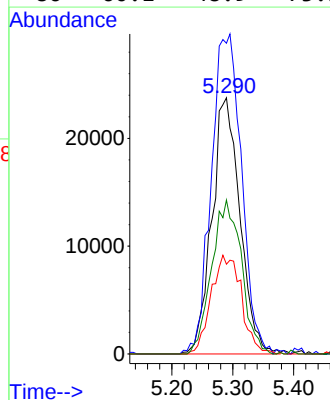
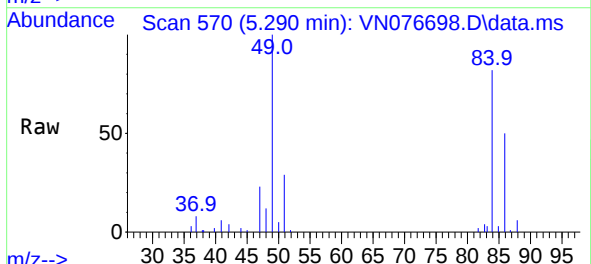
APPROVED

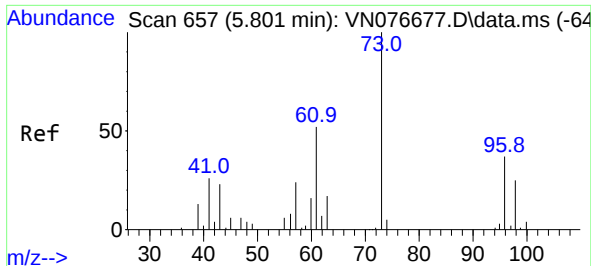
Reviewed By :John Carlone 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#18
 Methylene Chloride
 Concen: 21.614 ug/l
 RT: 5.290 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VN076698.D
 Acq: 15 Feb 2023 20:28

Tgt Ion: 84 Resp: 76132
 Ion Ratio Lower Upper
 84 100
 49 121.3 113.8 170.6
 51 35.1 34.2 51.4
 86 60.1 48.9 73.3





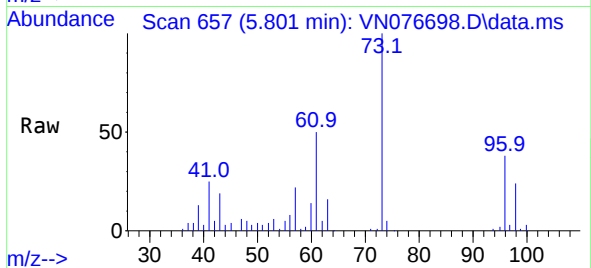
#19
trans-1,2-Dichloroethene
Concen: 20.296 ug/l
RT: 5.801 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



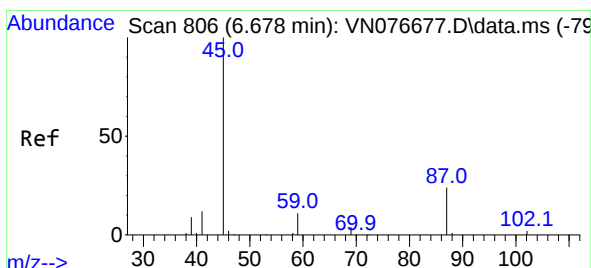
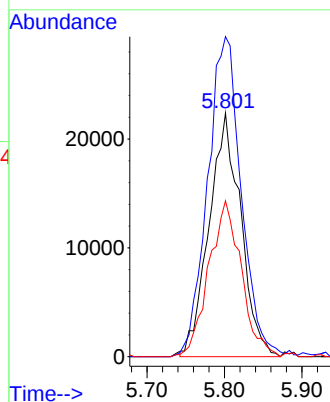
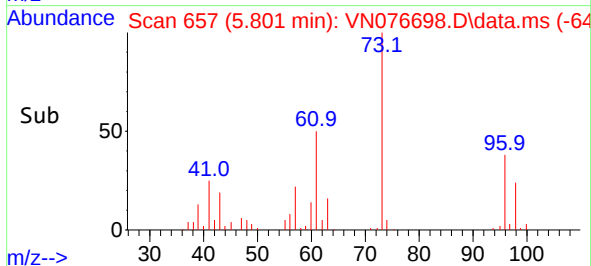
Tgt Ion: 96 Resp: 6352
Ion Ratio Lower Upper
96 100
61 129.7 111.0 166.4
98 64.0 55.0 82.6

Manual Integrations

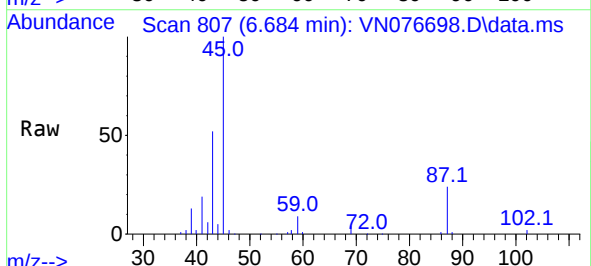
APPROVED

Reviewed By :John Carlone 02/16/2023

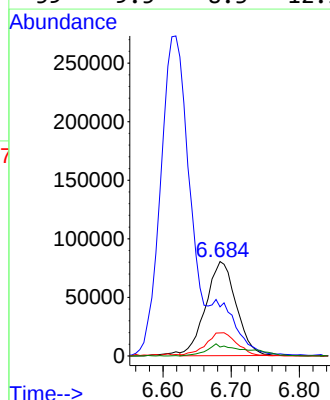
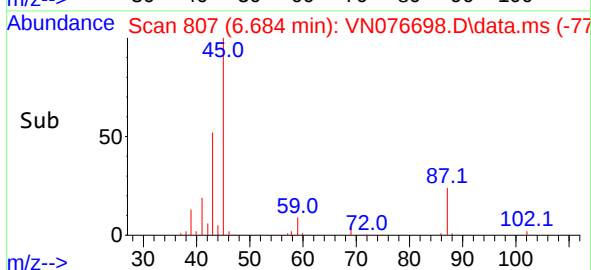
Supervised By :Mahesh Dadoda 02/18/2023

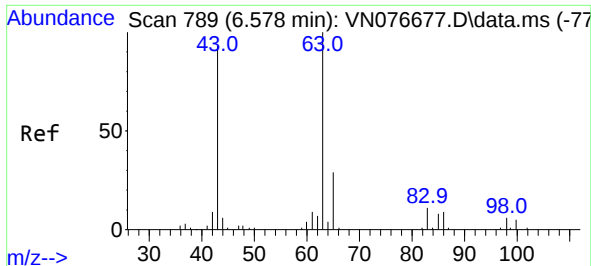


#20
Diisopropyl ether
Concen: 21.082 ug/l
RT: 6.684 min Scan# 807
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



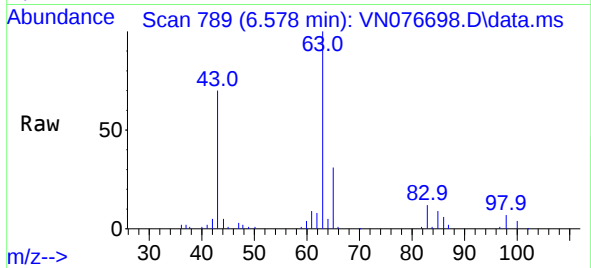
Tgt Ion: 45 Resp: 249011
Ion Ratio Lower Upper
45 100
43 50.1 38.6 58.0
87 24.3 20.1 30.1
59 9.5 8.3 12.5





#21
1,1-Dichloroethane
Concen: 21.876 ug/l
RT: 6.578 min Scan# 789
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

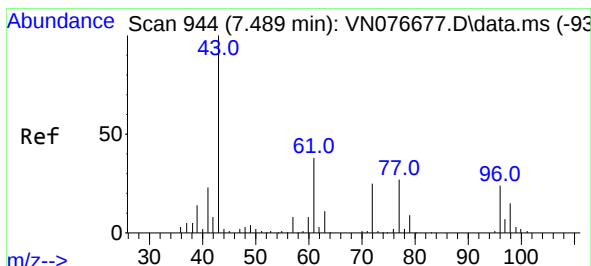
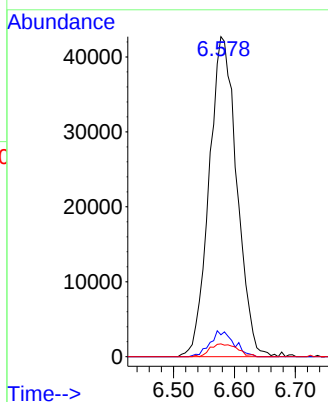
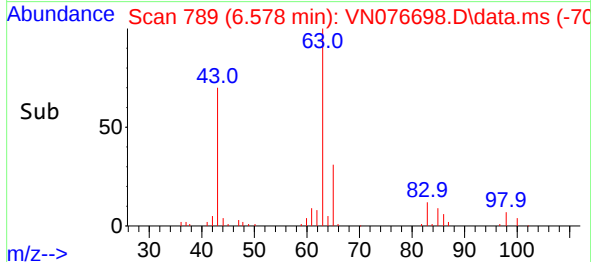
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



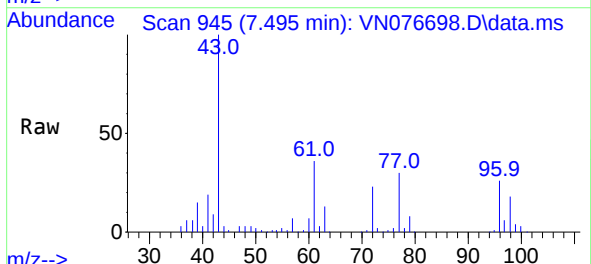
Tgt Ion: 63 Resp: 135158
Ion Ratio Lower Upper
63 100
98 6.9 3.6 10.9
100 4.0 2.6 7.8

Manual Integrations
APPROVED

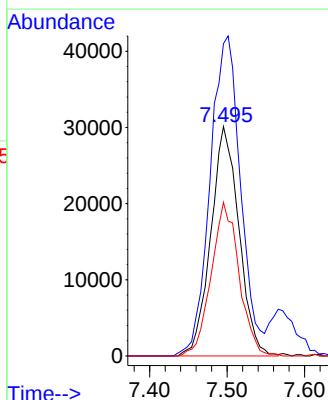
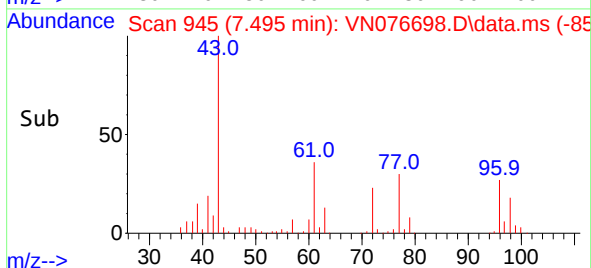
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

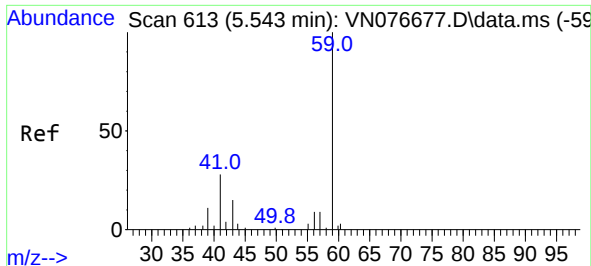


#22
cis-1,2-Dichloroethene
Concen: 21.191 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



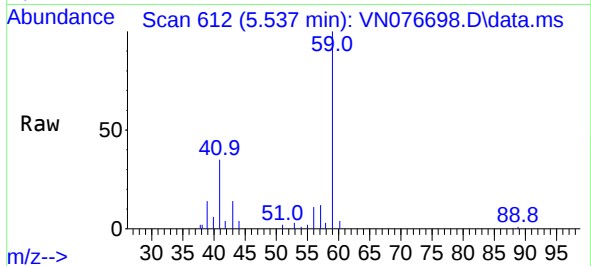
Tgt Ion: 96 Resp: 76090
Ion Ratio Lower Upper
96 100
61 151.2 121.0 181.4
98 66.2 50.1 75.1





#23
tert-Butyl Alcohol
Concen: 121.640 ug/l m
RT: 5.537 min Scan# 612
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

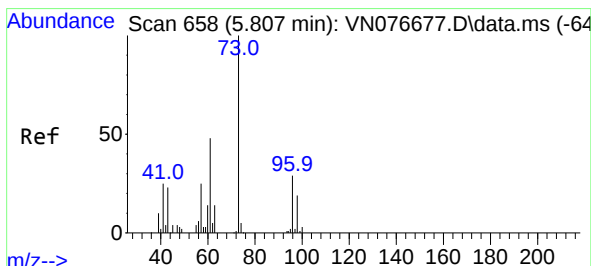
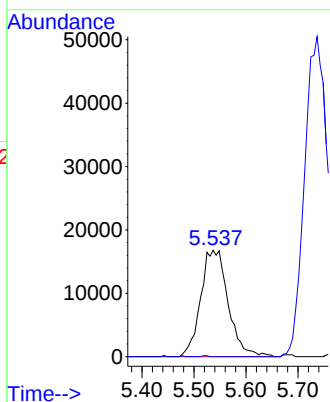
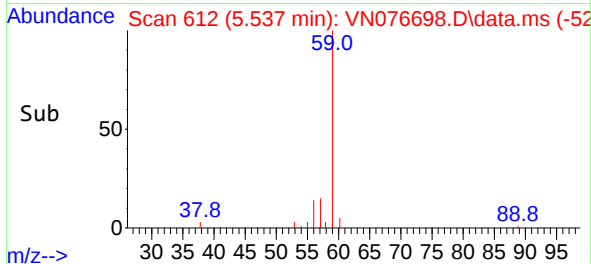
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 61722
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.2

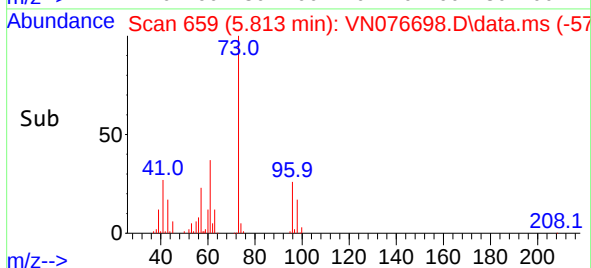
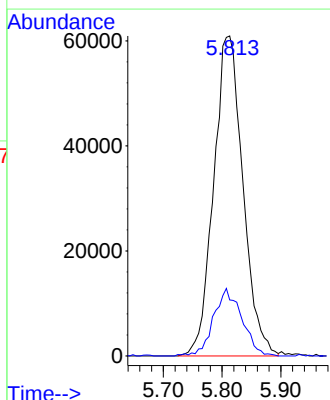
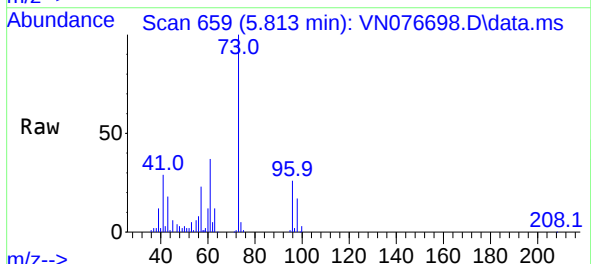
Manual Integrations
APPROVED

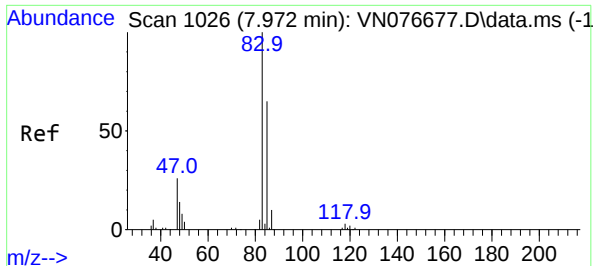
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#24
Methyl tert-Butyl Ether
Concen: 21.829 ug/l
RT: 5.813 min Scan# 659
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion: 73 Resp: 210767
Ion Ratio Lower Upper
73 100
43 13.2 17.8 26.6#





#25

Chloroform

Concen: 22.354 ug/l

RT: 7.978 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN076698.D

Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 135430

Ion Ratio Lower Upper

83 100

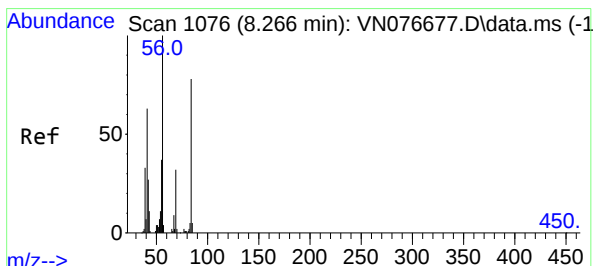
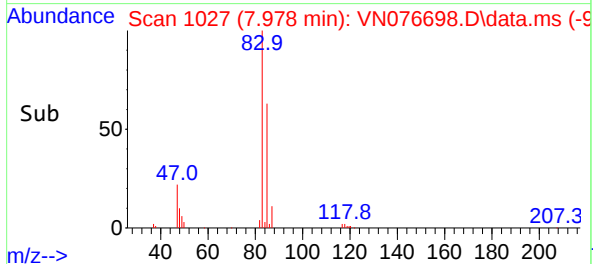
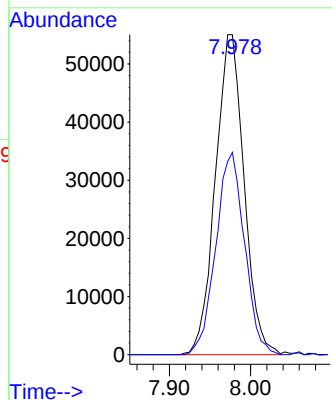
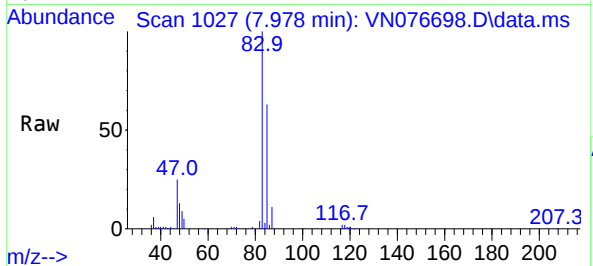
85 63.2 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#26

Cyclohexane

Concen: 21.253 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VN076698.D

Acq: 15 Feb 2023 20:28

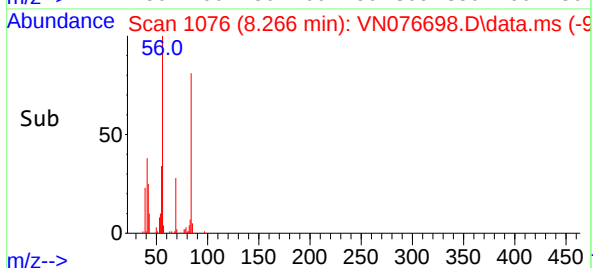
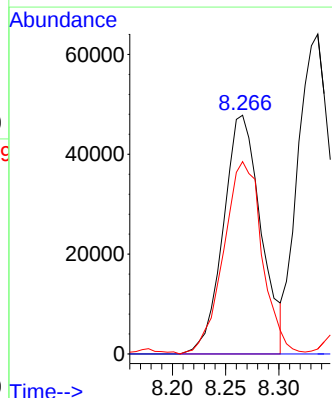
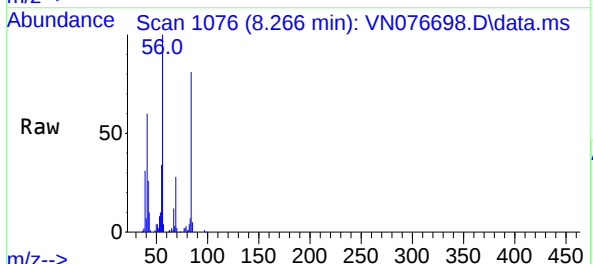
Tgt Ion: 56 Resp: 117361

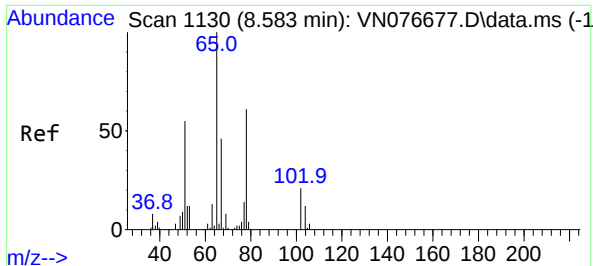
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 82.6 65.3 97.9





#27
1,2-Dichloroethane-d4
Concen: 32.672 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

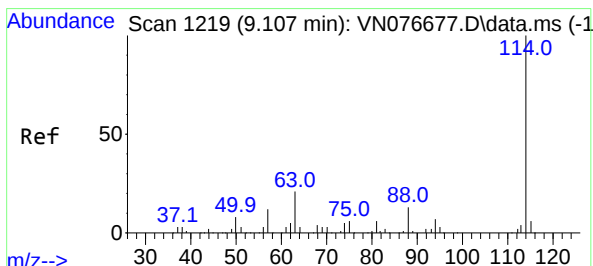
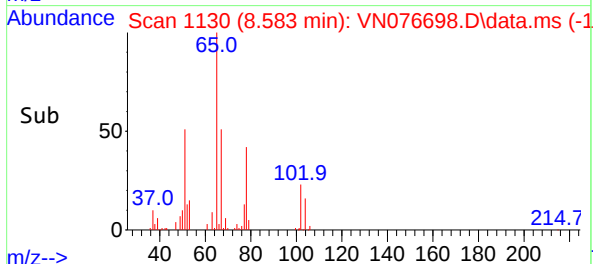
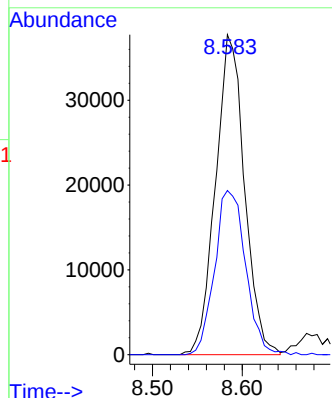
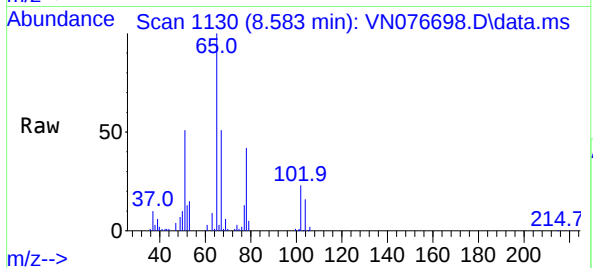
VSTDCCC020EC

Tgt Ion: 65 Resp: 8449
Ion Ratio Lower Upper
65 100
67 54.5 40.9 61.3

Manual Integrations

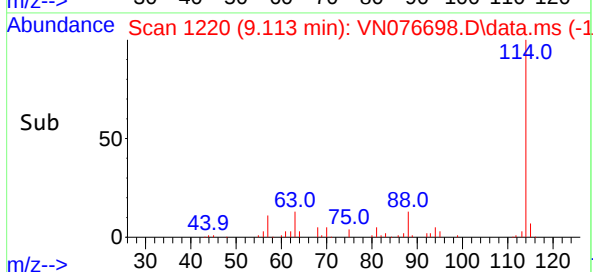
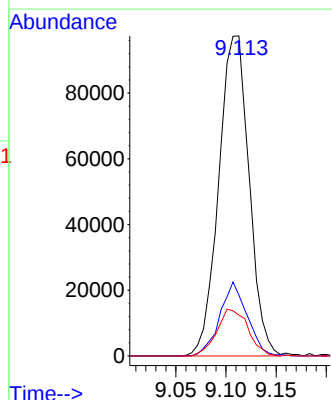
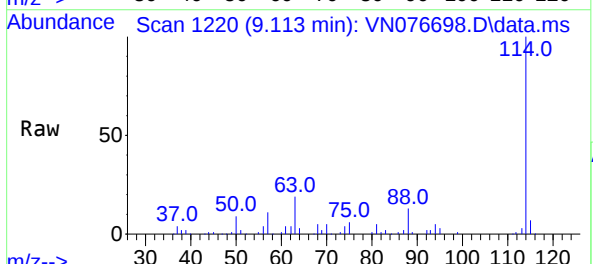
APPROVED

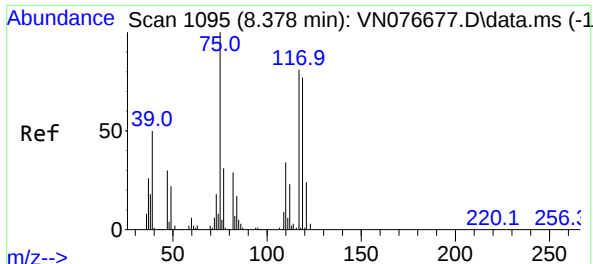
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.113 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

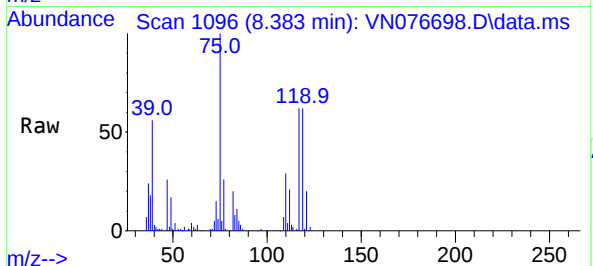
Tgt Ion:114 Resp: 205555
Ion Ratio Lower Upper
114 100
63 20.8 17.0 25.4
88 15.0 11.6 17.4





#29
1,1-Dichloropropene
Concen: 20.768 ug/l
RT: 8.383 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

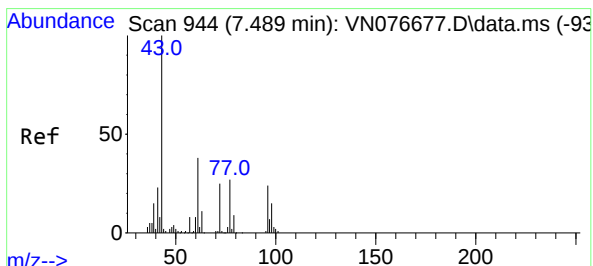
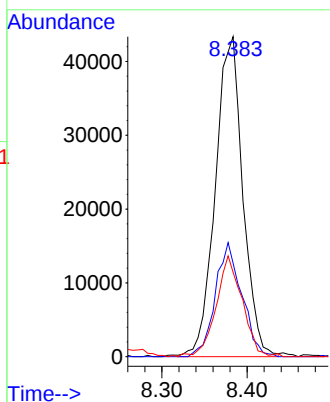
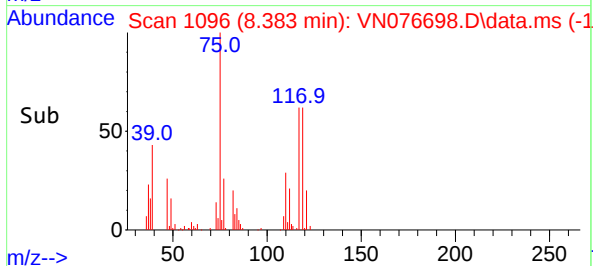
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 9737
Ion Ratio Lower Upper
75 100
110 34.3 0.0 67.2
77 29.2 0.0 64.4

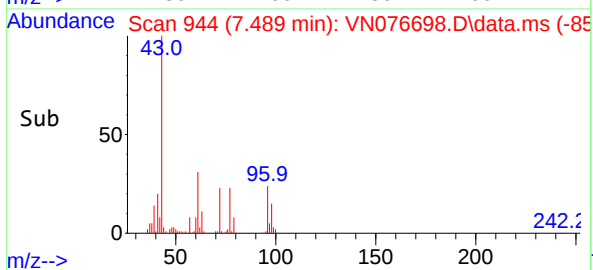
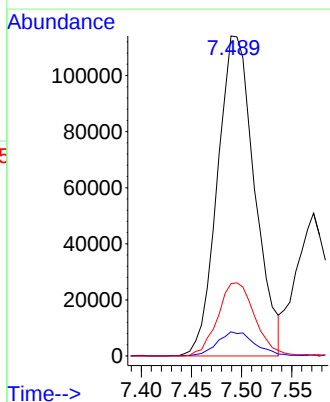
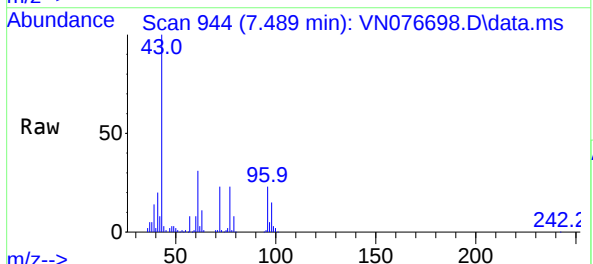
Manual Integrations
APPROVED

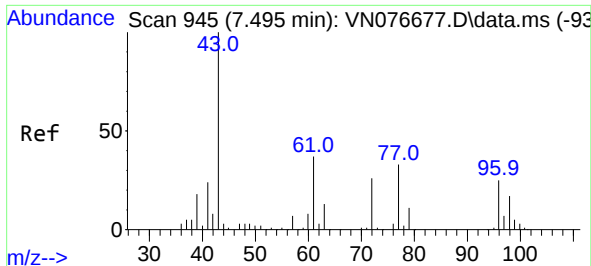
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#30
2-Butanone
Concen: 107.565 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

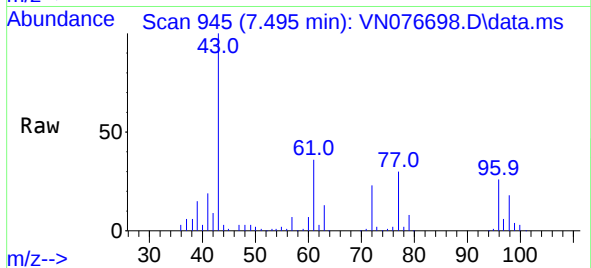
Tgt Ion: 43 Resp: 294191
Ion Ratio Lower Upper
43 100
57 7.3 6.1 9.1
72 22.8 20.2 30.4





#31
2,2-Dichloropropane
Concen: 17.299 ug/l
RT: 7.495 min Scan# 945
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

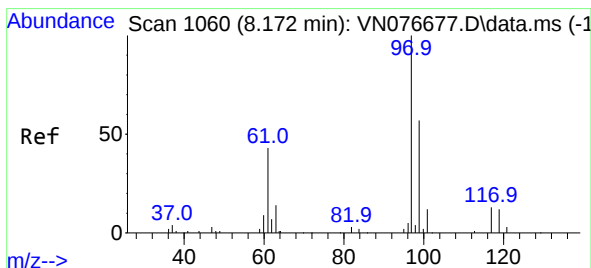
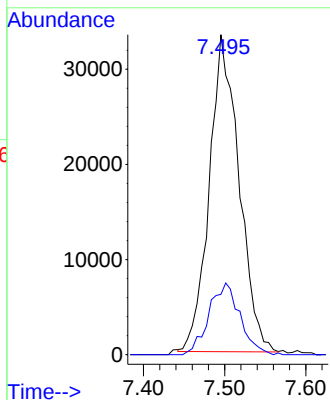
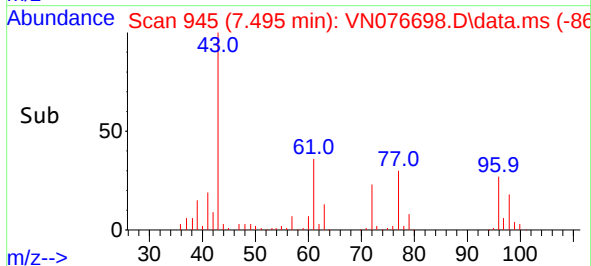
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



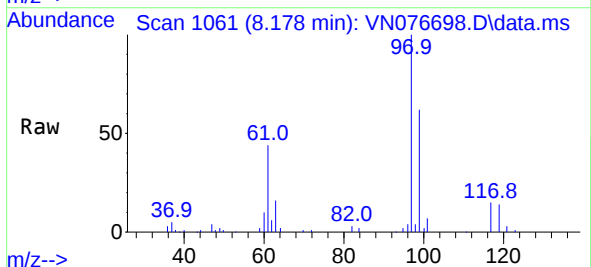
Tgt Ion: 77 Resp: 8477
Ion Ratio Lower Upper
77 100
97 23.6 7.2 10.8

Manual Integrations
APPROVED

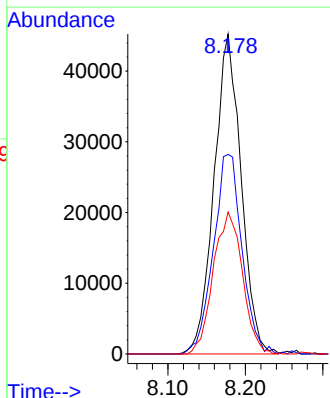
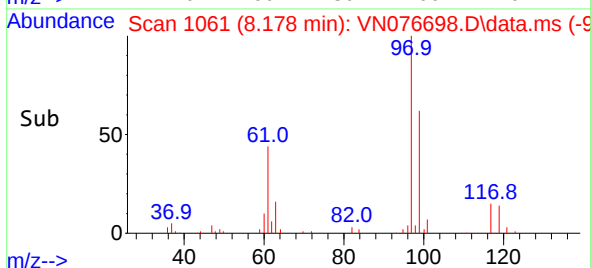
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

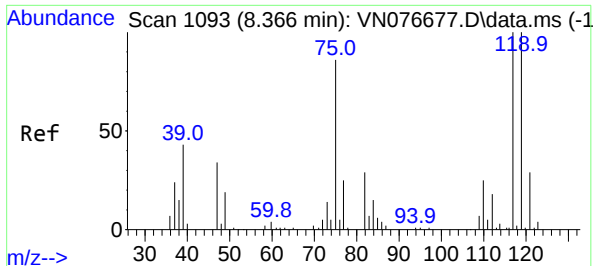


#32
1,1,1-Trichloroethane
Concen: 20.168 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



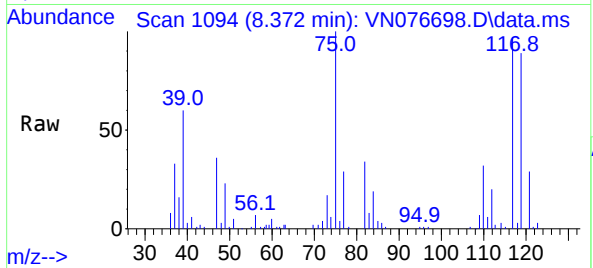
Tgt Ion: 97 Resp: 109781
Ion Ratio Lower Upper
97 100
99 65.4 51.8 77.8
61 47.7 39.3 58.9





#33
Carbon Tetrachloride
Concen: 19.714 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

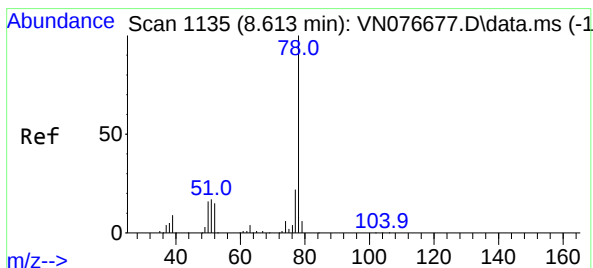
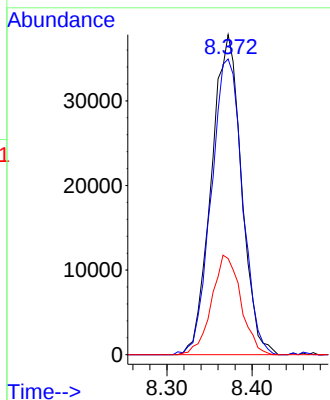
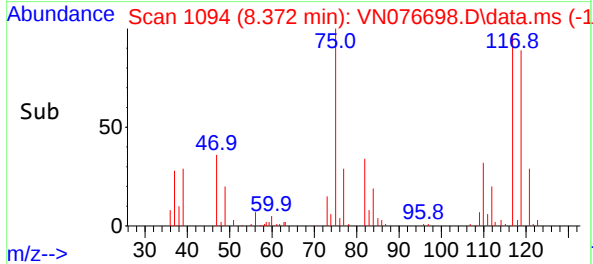
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



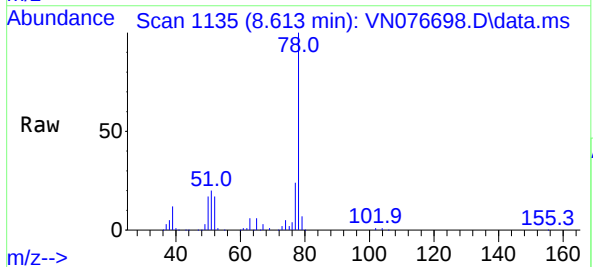
Tgt Ion:117 Resp: 92978
Ion Ratio Lower Upper
117 100
119 92.4 79.8 119.8
121 30.7 23.4 35.0

Manual Integrations
APPROVED

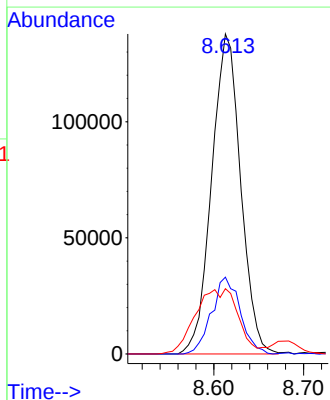
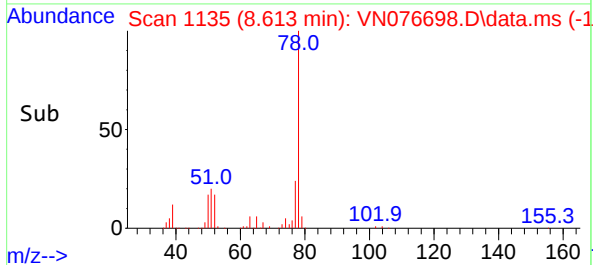
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

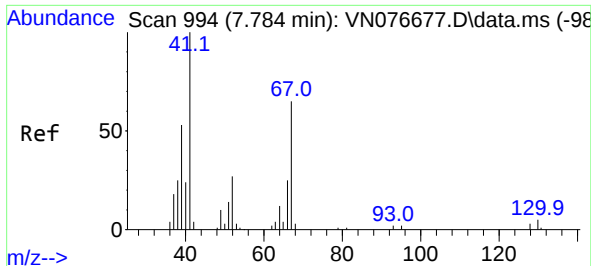


#34
Benzene
Concen: 20.632 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



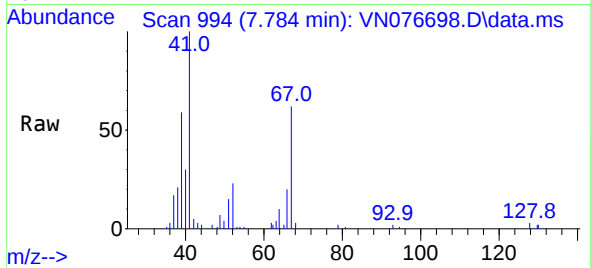
Tgt Ion: 78 Resp: 308847
Ion Ratio Lower Upper
78 100
77 24.0 17.4 26.2
51 18.0 13.8 20.6





#35
Methacrylonitrile
Concen: 22.415 ug/l
RT: 7.784 min Scan# 994
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

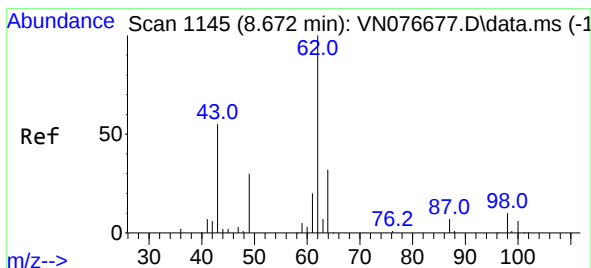
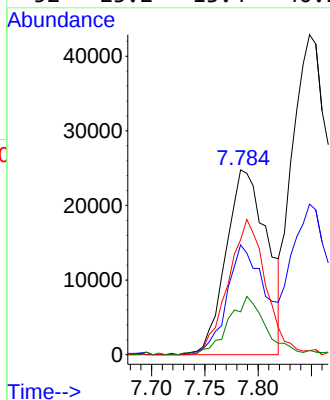
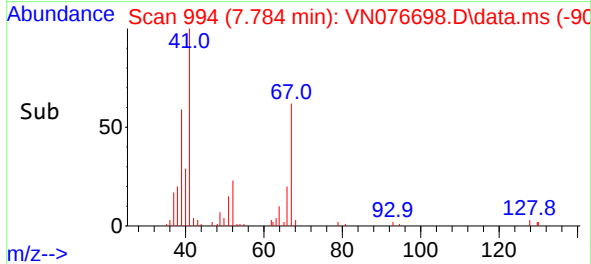
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 6687
Ion Ratio Lower Upper
41 100
39 59.4 26.6 79.7
67 62.2 32.3 96.9
52 23.2 13.4 40.1

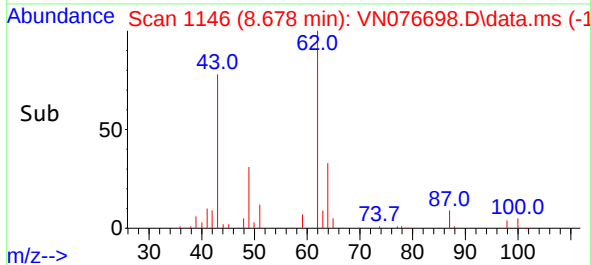
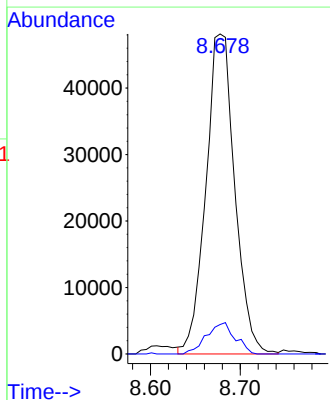
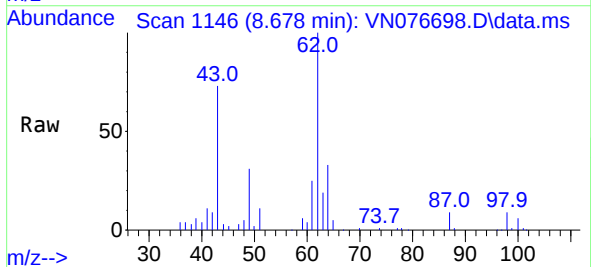
Manual Integrations
APPROVED

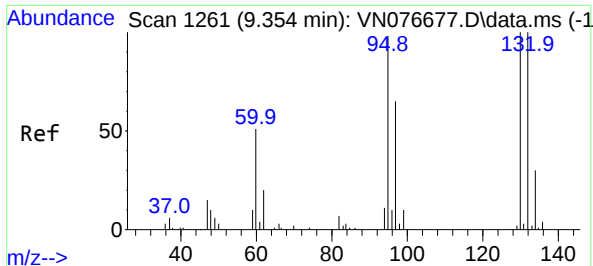
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#36
1,2-Dichloroethane
Concen: 21.542 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

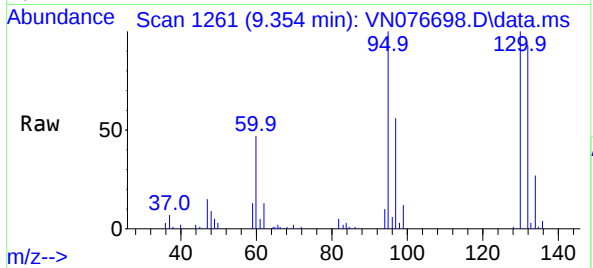
Tgt Ion: 62 Resp: 107934
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.0





#37
Trichloroethene
Concen: 18.895 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

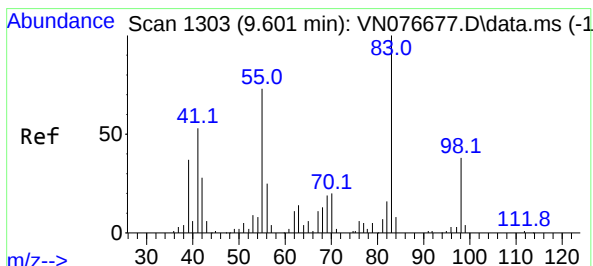
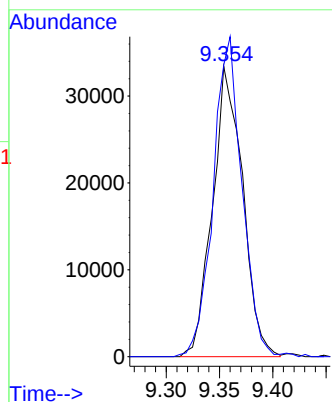
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



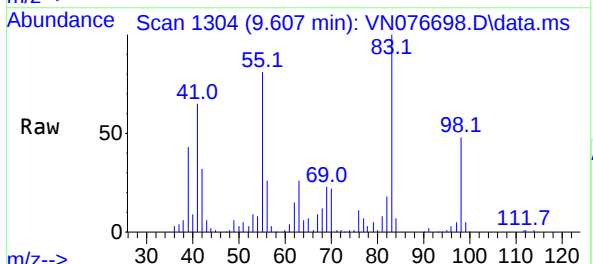
Tgt Ion:130 Resp: 65778
Ion Ratio Lower Upper
130 100
95 99.6 78.7 118.1

Manual Integrations
APPROVED

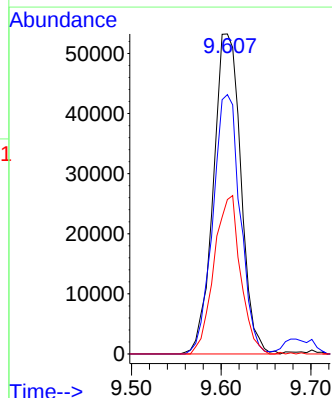
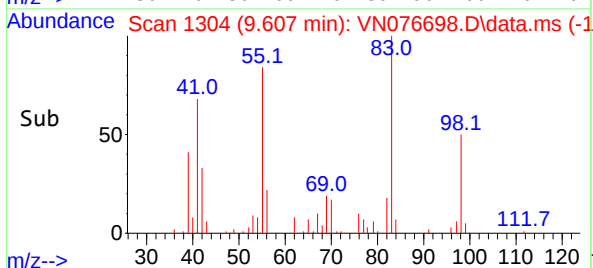
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

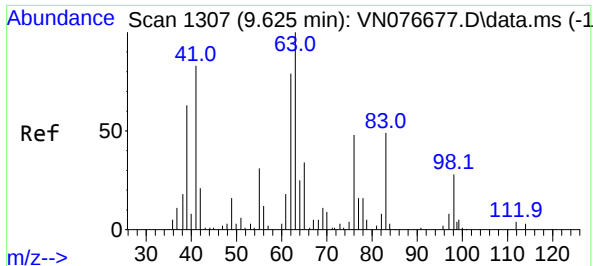


#38
Methylcyclohexane
Concen: 19.227 ug/l
RT: 9.607 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



Tgt Ion: 83 Resp: 113449
Ion Ratio Lower Upper
83 100
55 80.5 37.6 112.9
98 47.7 24.1 72.4





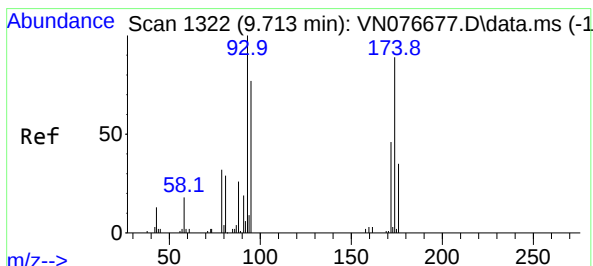
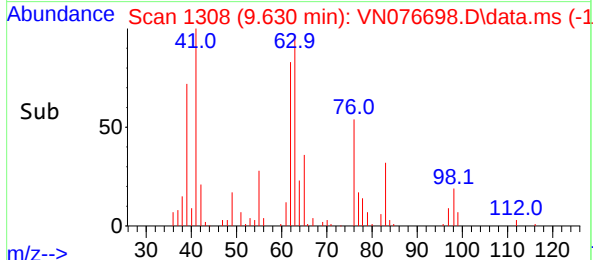
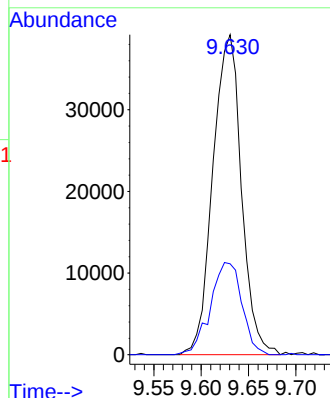
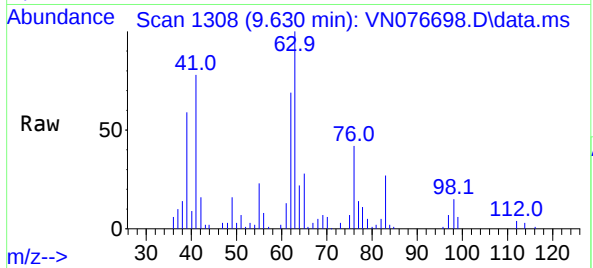
#39
1,2-Dichloropropane
Concen: 21.123 ug/l
RT: 9.630 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 8217
Ion Ratio Lower Upper
63 100
65 28.4 27.2 40.8

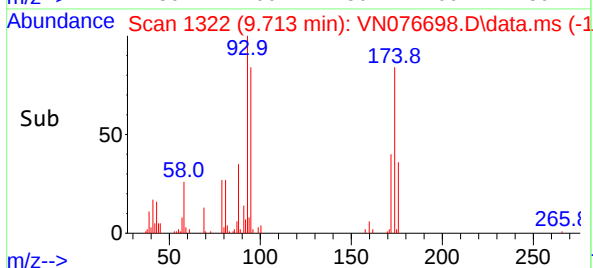
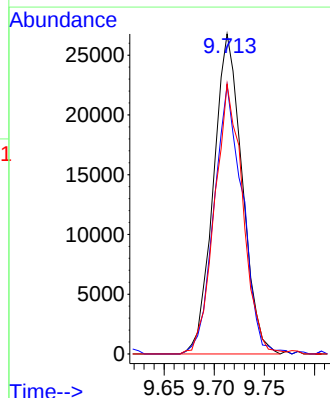
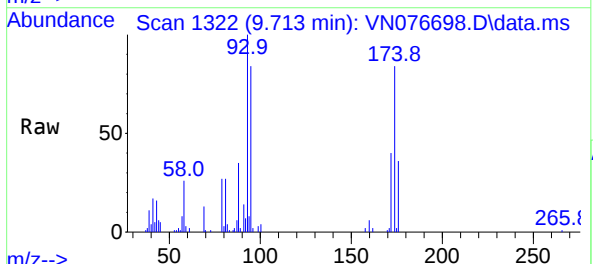
Manual Integrations
APPROVED

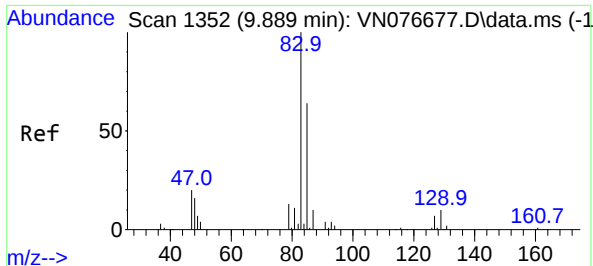
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#40
Dibromomethane
Concen: 21.405 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

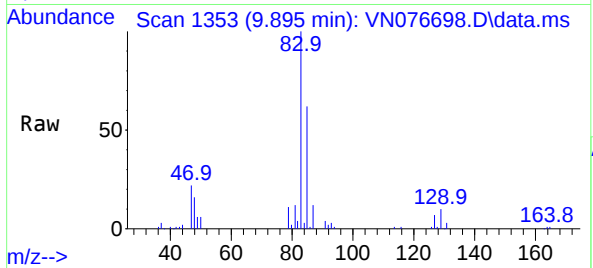
Tgt Ion: 93 Resp: 53107
Ion Ratio Lower Upper
93 100
95 83.3 0.0 158.0
174 83.2 0.0 171.2





#41
Bromodichloromethane
Concen: 20.465 ug/l
RT: 9.895 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

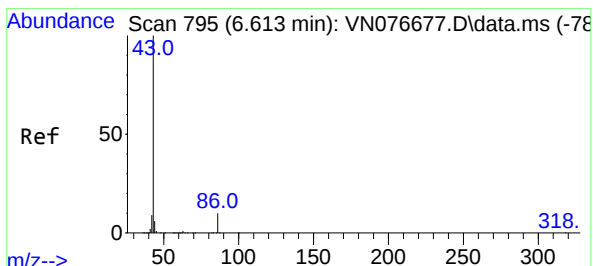
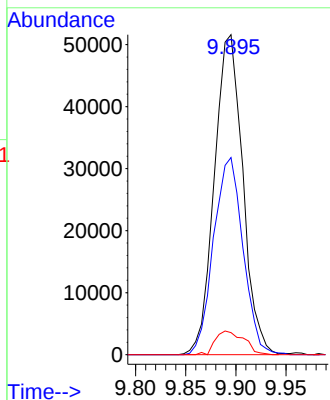
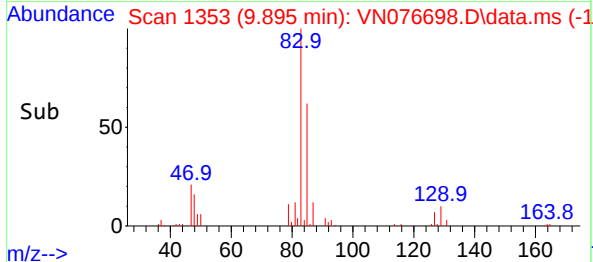
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 101850
Ion Ratio Lower Upper
83 100
85 61.6 51.0 76.4
127 7.7 6.2 9.2

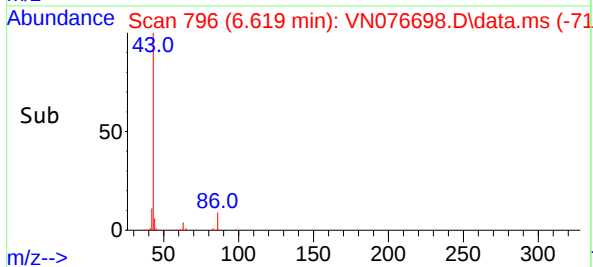
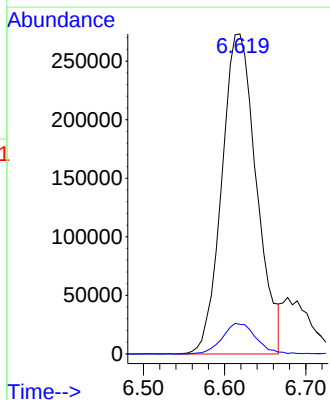
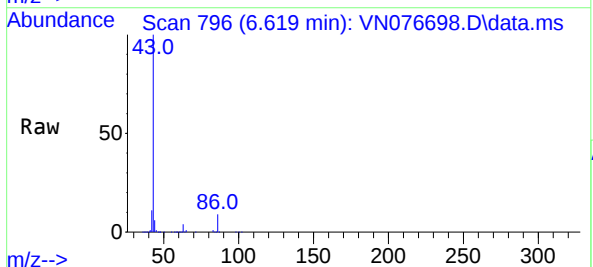
Manual Integrations
APPROVED

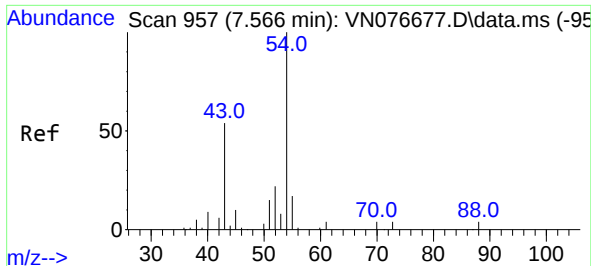
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#42
Vinyl Acetate
Concen: 102.584 ug/l
RT: 6.619 min Scan# 796
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

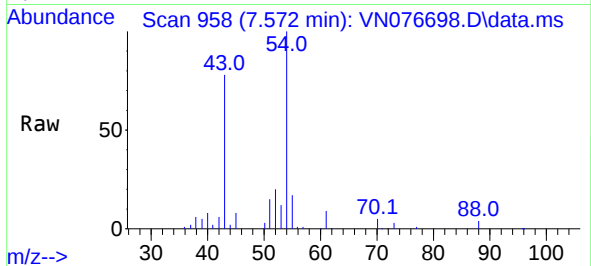
Tgt Ion: 43 Resp: 813107
Ion Ratio Lower Upper
43 100
86 9.2 7.8 11.6





#43
Ethyl Acetate
Concen: 23.508 ug/l m
RT: 7.572 min Scan# 957
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

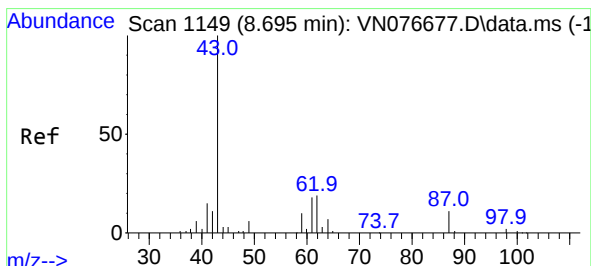
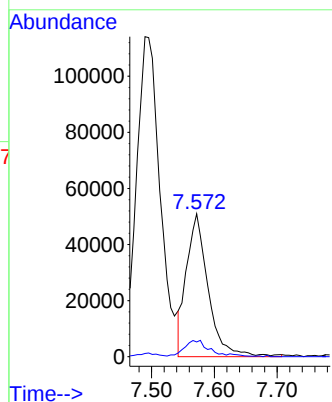
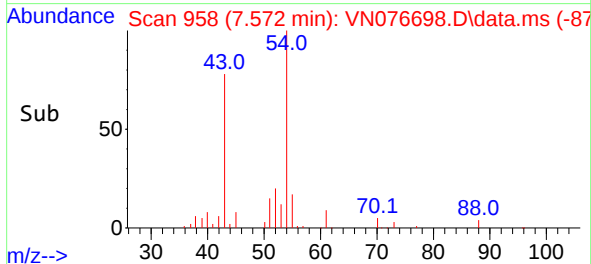
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



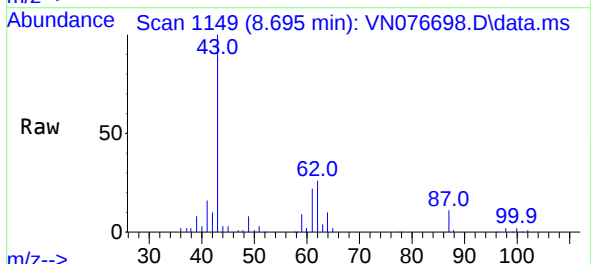
Tgt Ion: 43 Resp: 122490
Ion Ratio Lower Upper
43 100
45 0.0 11.2 16.8

Manual Integrations
APPROVED

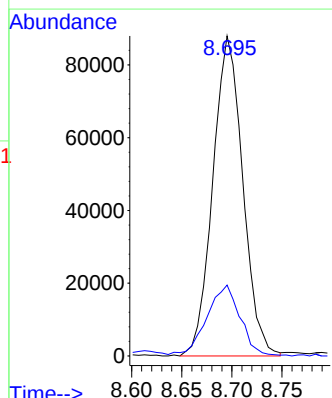
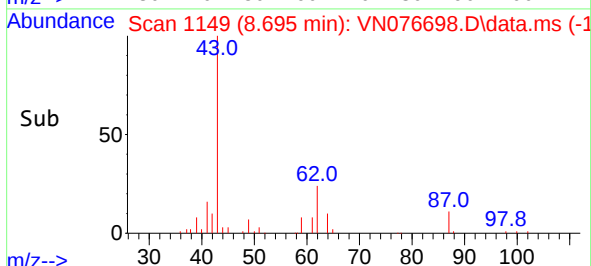
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

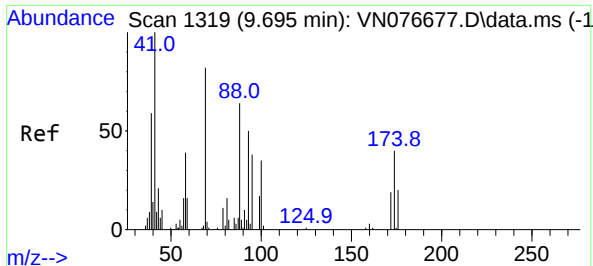


#44
Isopropyl Acetate
Concen: 21.316 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



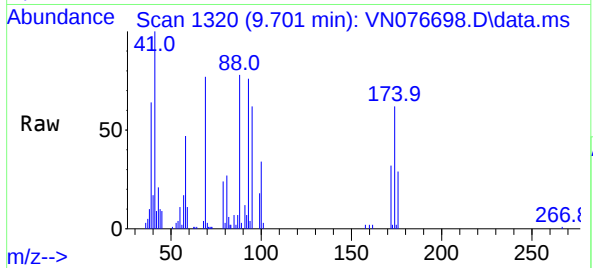
Tgt Ion: 43 Resp: 182840
Ion Ratio Lower Upper
43 100
61 24.3 19.5 29.3





#45
1,4-Dioxane
Concen: 439.514 ug/l
RT: 9.701 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

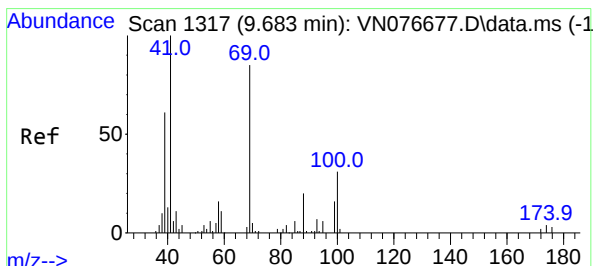
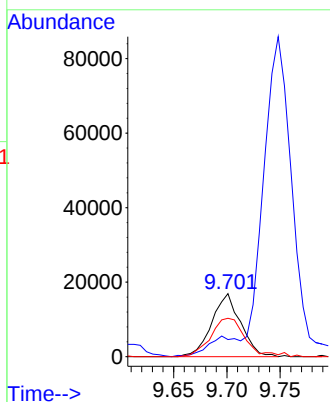
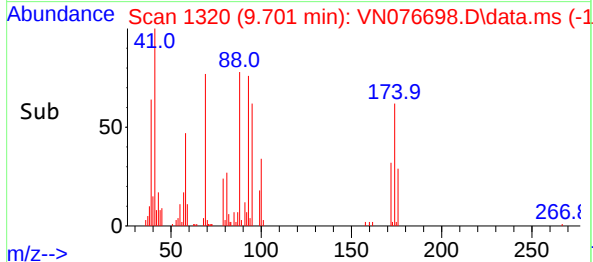
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



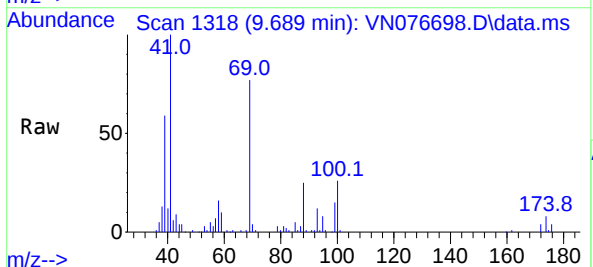
Tgt Ion: 88 Resp: 3190
Ion Ratio Lower Upper
88 100
43 34.4 26.0 39.0
58 68.9 54.3 81.5

Manual Integrations
APPROVED

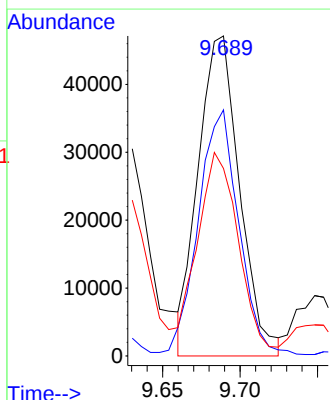
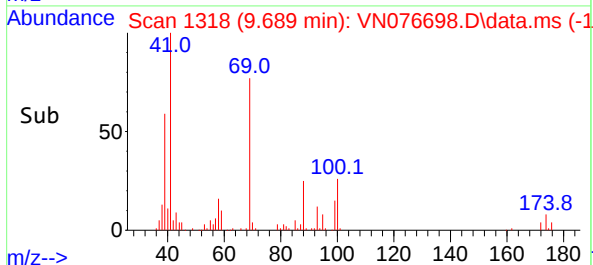
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

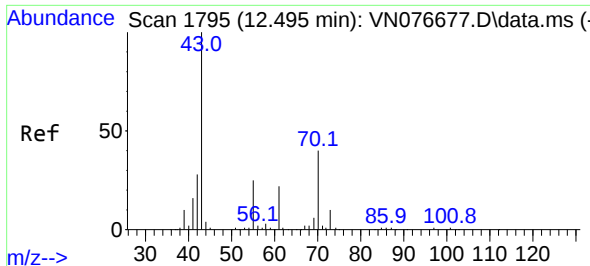


#46
Methyl methacrylate
Concen: 22.258 ug/l
RT: 9.689 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



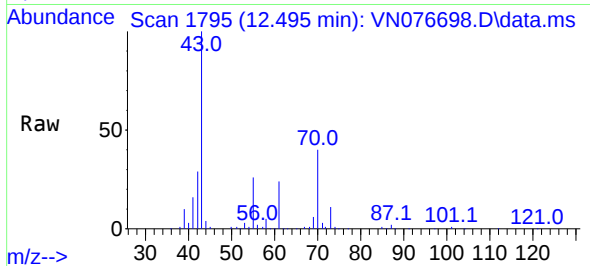
Tgt Ion: 41 Resp: 87641
Ion Ratio Lower Upper
41 100
69 79.5 40.6 121.7
39 59.2 30.5 91.5





#47
n-amyl acetate
Concen: 21.070 ug/l
RT: 12.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

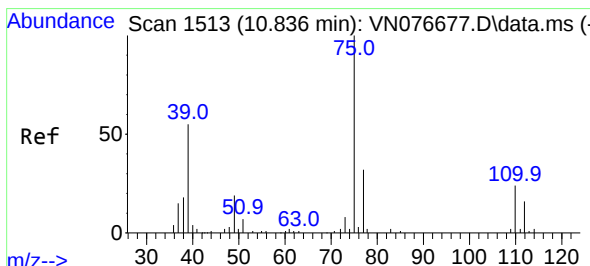
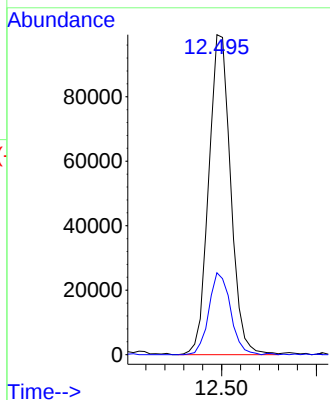
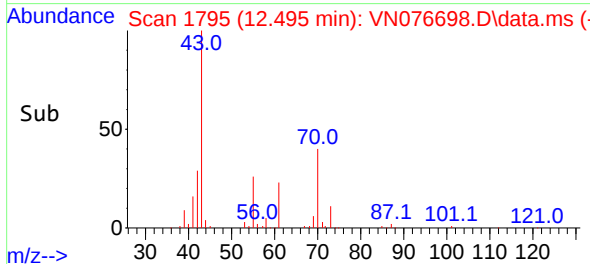
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



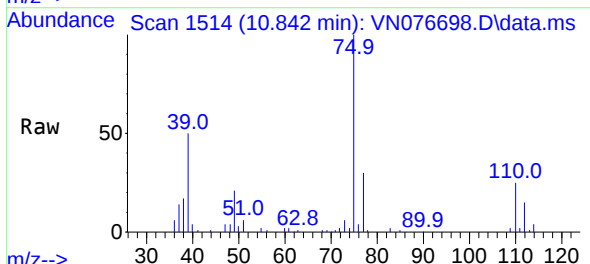
Tgt Ion: 43 Resp: 159599
Ion Ratio Lower Upper
43 100
55 25.2 18.3 27.5

Manual Integrations
APPROVED

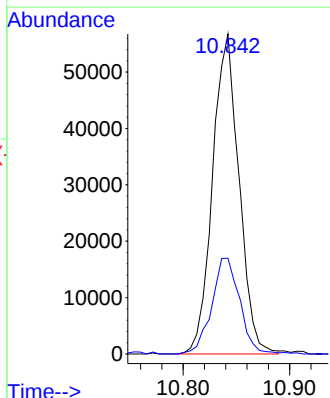
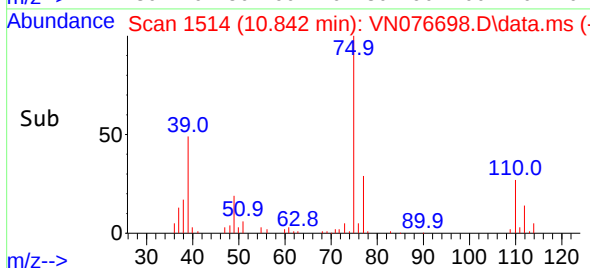
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

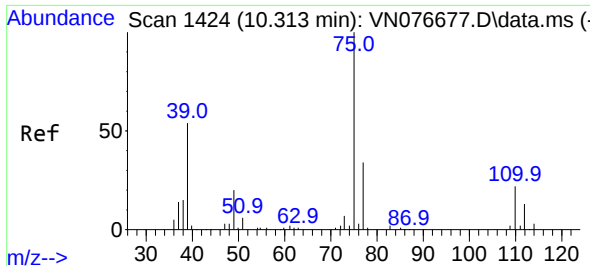


#48
t-1,3-Dichloropropene
Concen: 19.398 ug/l
RT: 10.842 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



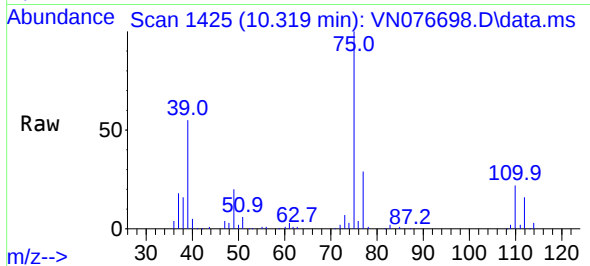
Tgt Ion: 75 Resp: 97911
Ion Ratio Lower Upper
75 100
77 29.9 25.4 38.2





#49
cis-1,3-Dichloropropene
Concen: 19.319 ug/l
RT: 10.319 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

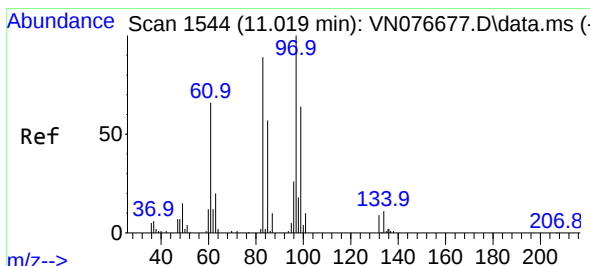
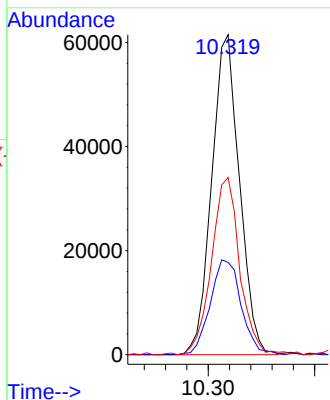
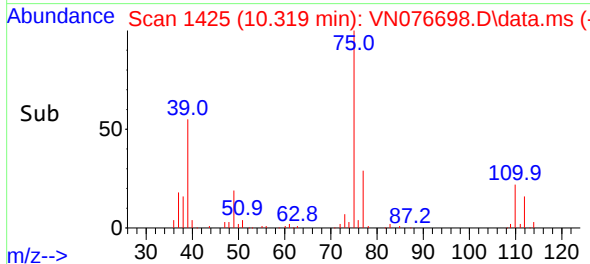
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



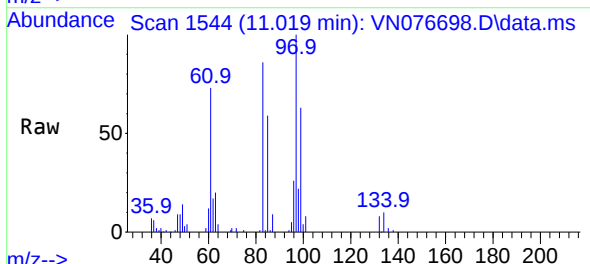
Tgt Ion: 75 Resp: 110989
Ion Ratio Lower Upper
75 100
77 28.8 27.5 41.3
39 55.3 43.5 65.3

Manual Integrations
APPROVED

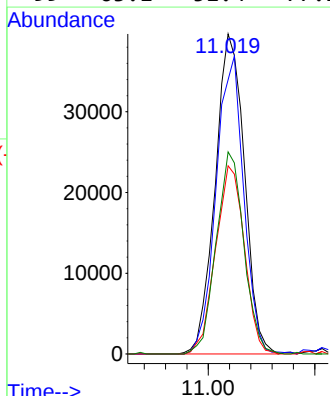
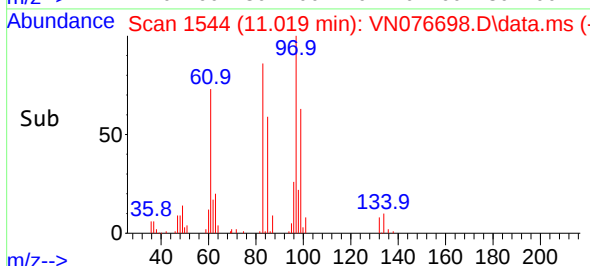
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

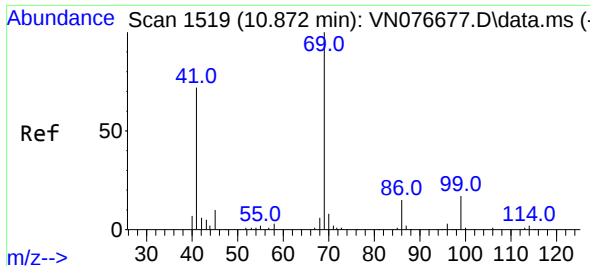


#50
1,1,2-Trichloroethane
Concen: 20.899 ug/l
RT: 11.019 min Scan# 1544
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



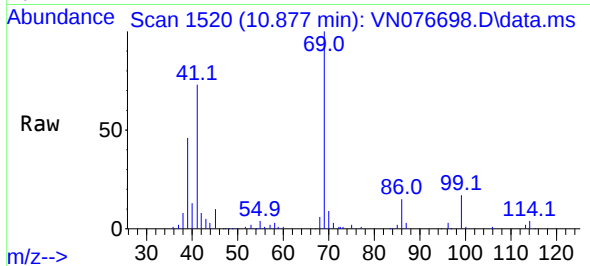
Tgt Ion: 97 Resp: 75374
Ion Ratio Lower Upper
97 100
83 85.7 71.0 106.4
85 58.8 45.5 68.3
99 63.1 51.4 77.2





#51
Ethyl methacrylate
Concen: 21.218 ug/l
RT: 10.877 min Scan# 11110
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

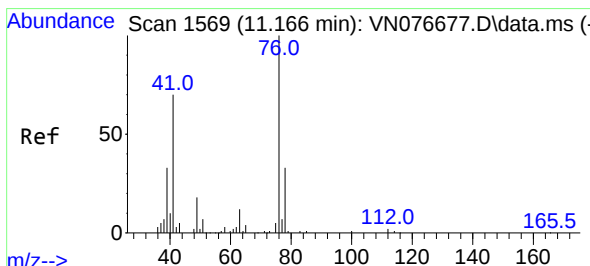
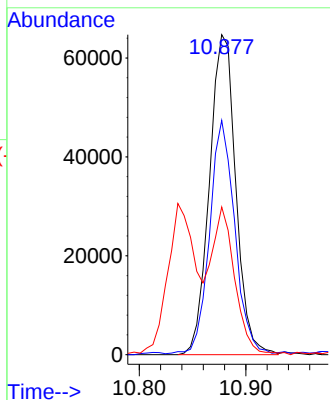
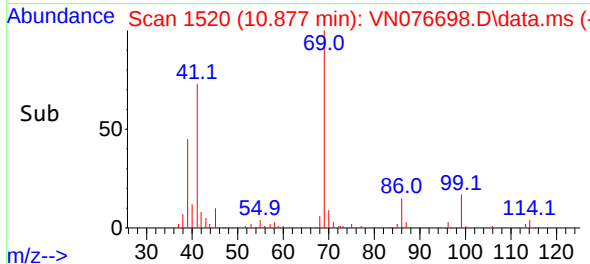
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



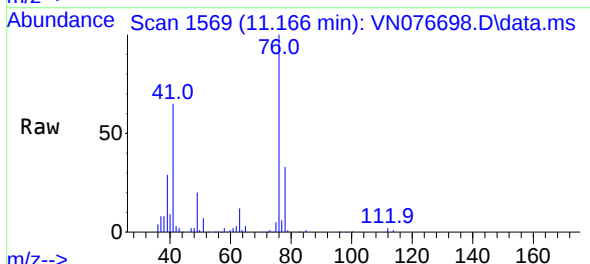
Tgt Ion: 69 Resp: 11110
Ion Ratio Lower Upper
69 100
41 72.5 36.3 108.7
39 45.7 19.9 59.7

Manual Integrations
APPROVED

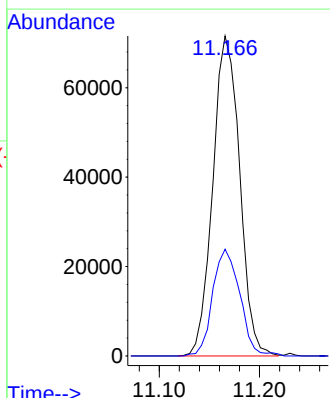
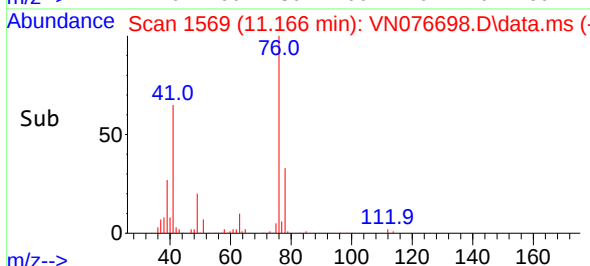
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

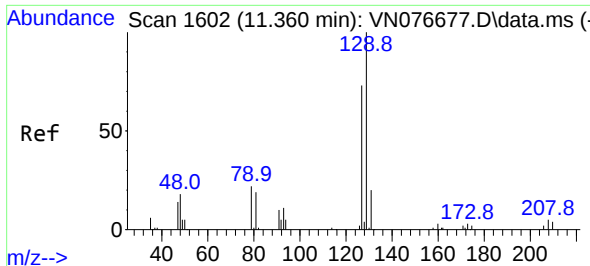


#52
1,3-Dichloropropane
Concen: 21.511 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



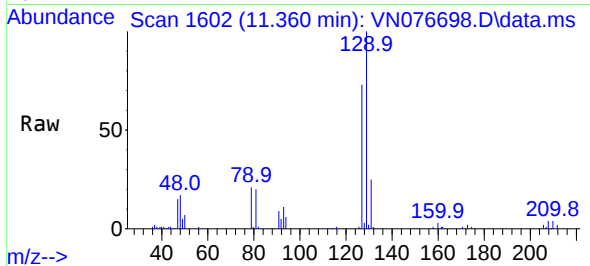
Tgt Ion: 76 Resp: 133383
Ion Ratio Lower Upper
76 100
78 33.4 0.0 65.4





#53
Dibromochloromethane
Concen: 20.405 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

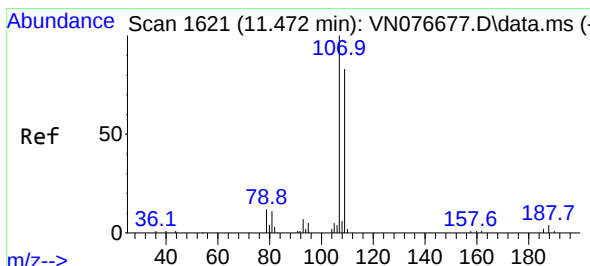
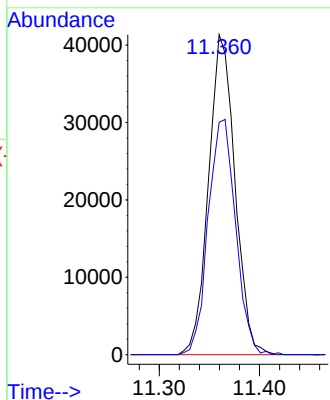
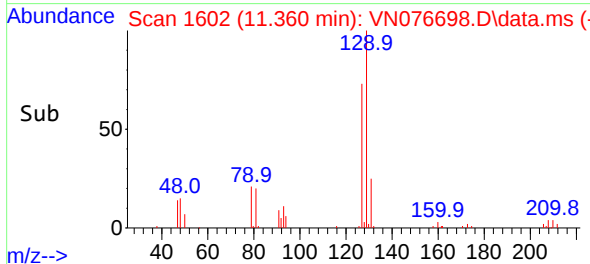
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



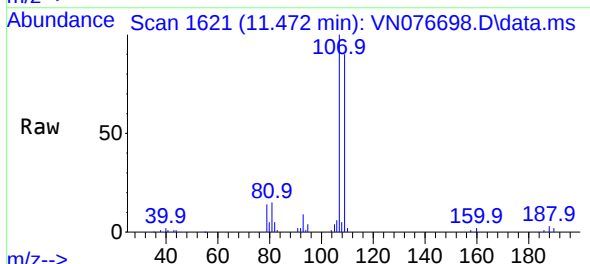
Tgt Ion:129 Resp: 7559
Ion Ratio Lower Upper
129 100
127 76.2 39.4 118.1

Manual Integrations
APPROVED

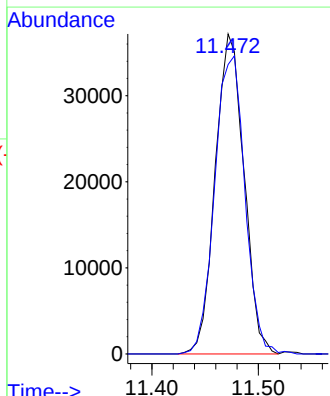
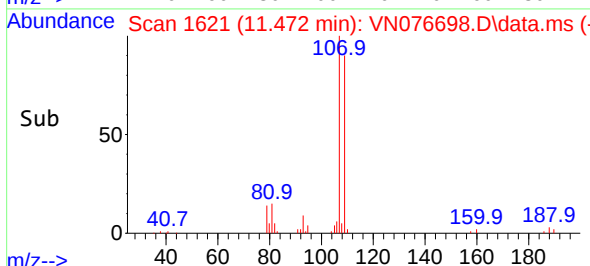
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

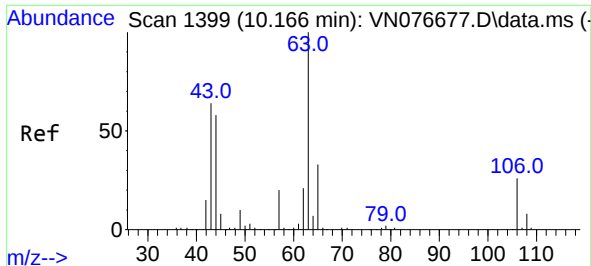


#54
1,2-Dibromoethane
Concen: 19.833 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



Tgt Ion:107 Resp: 69634
Ion Ratio Lower Upper
107 100
109 98.0 74.6 112.0





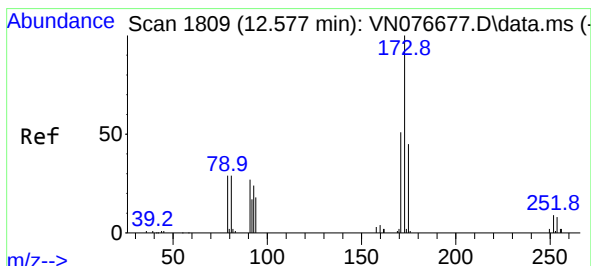
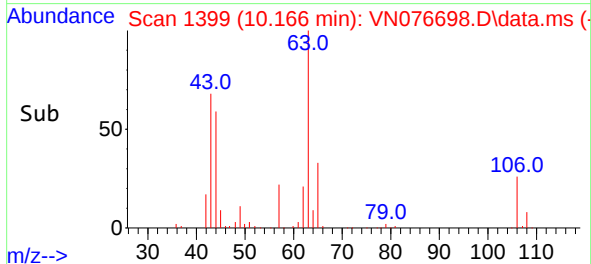
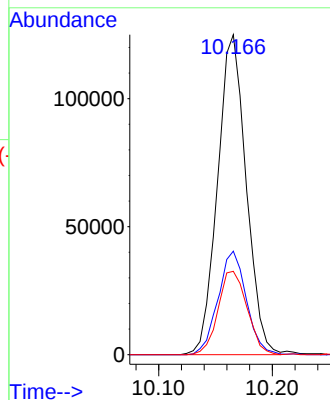
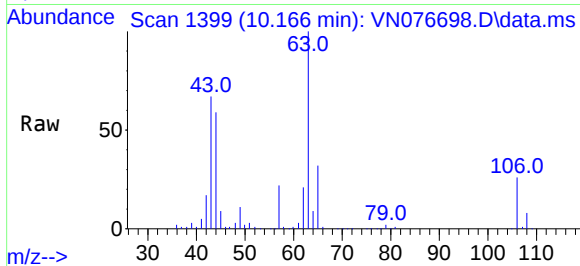
#55
2-Chloroethyl vinyl ether
Concen: 94.121 ug/l
RT: 10.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 218494
Ion Ratio Lower Upper
63 100
65 32.1 26.3 39.5
106 26.4 21.6 32.4

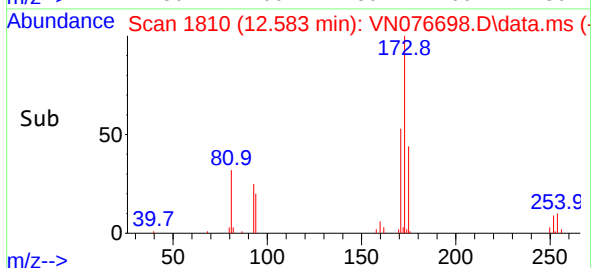
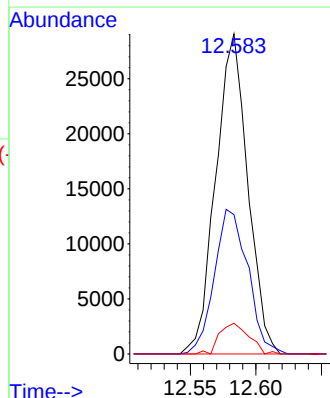
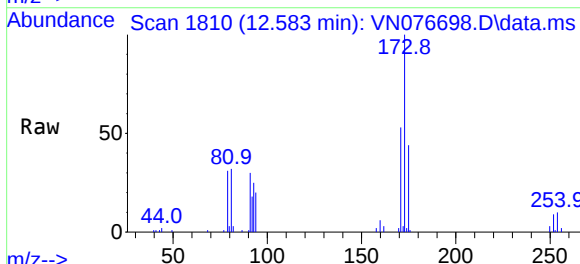
Manual Integrations
APPROVED

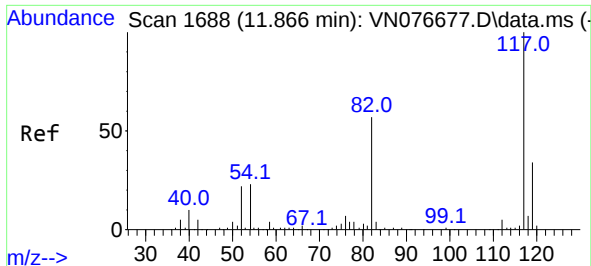
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#56
Bromoform
Concen: 19.324 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

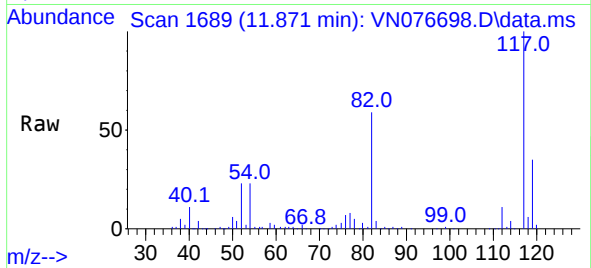
Tgt Ion:173 Resp: 49304
Ion Ratio Lower Upper
173 100
175 47.2 37.8 56.6
254 8.5 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

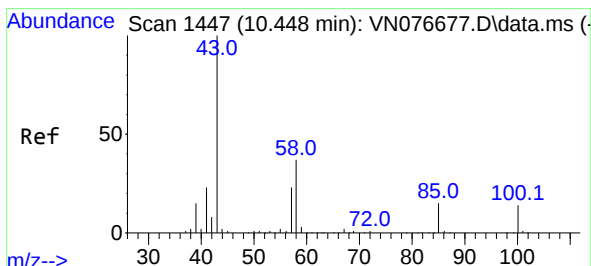
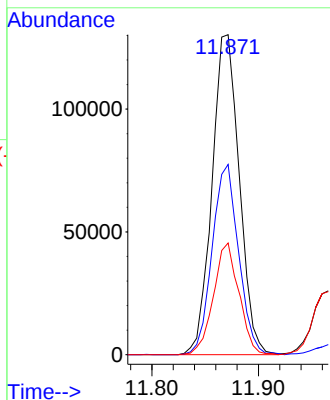
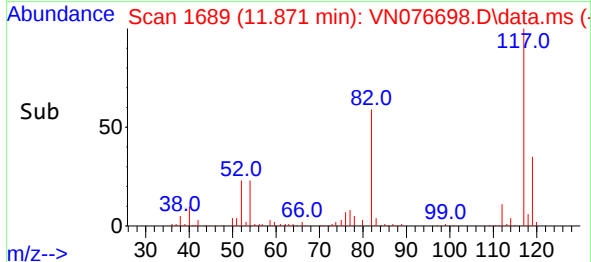
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



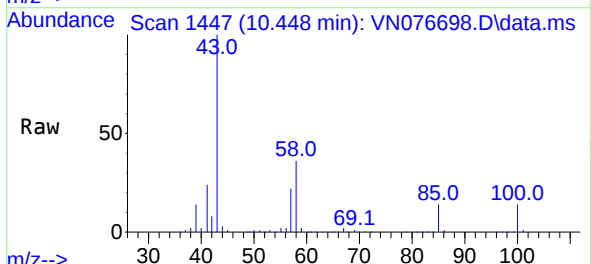
Tgt Ion: 117 Resp: 231780
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.0
119 32.6 26.8 40.2

Manual Integrations
APPROVED

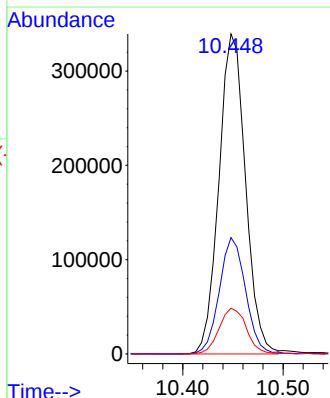
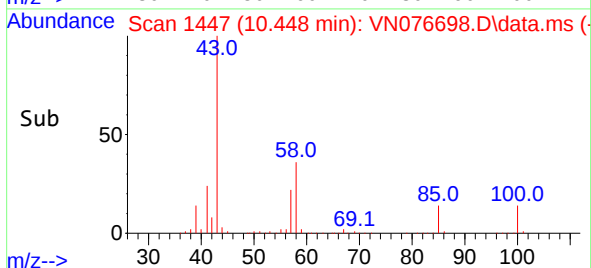
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

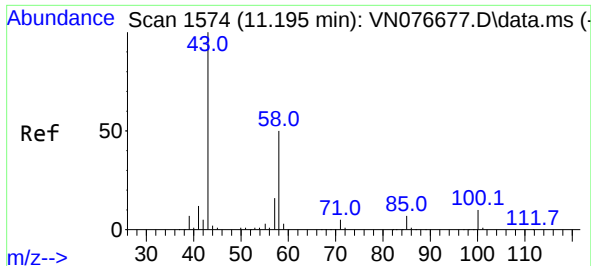


#58
4-Methyl-2-Pentanone
Concen: 113.121 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



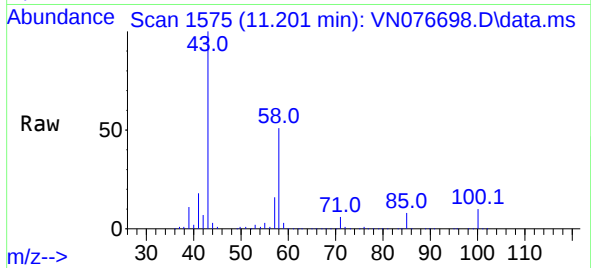
Tgt Ion: 43 Resp: 623593
Ion Ratio Lower Upper
43 100
58 36.0 28.6 42.8
85 14.7 11.8 17.8





#59
2-Hexanone
Concen: 111.697 ug/l
RT: 11.201 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

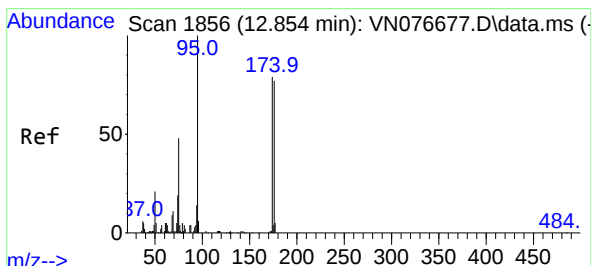
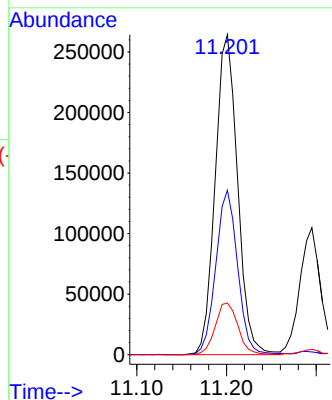
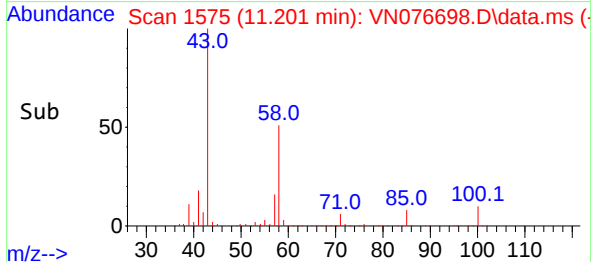
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 457999
Ion Ratio Lower Upper
43 100
58 49.9 40.6 60.8
57 16.5 13.1 19.7

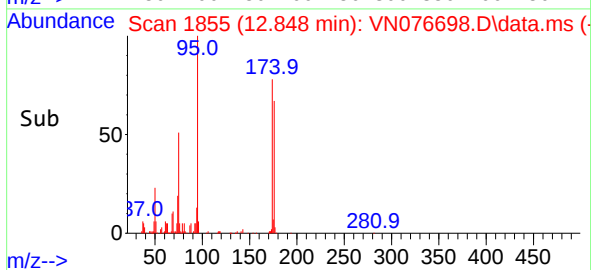
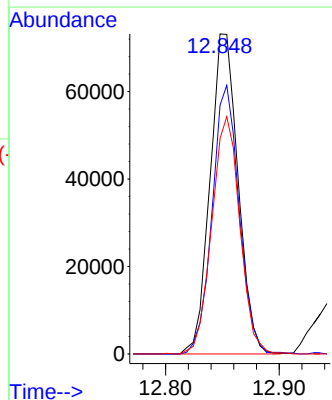
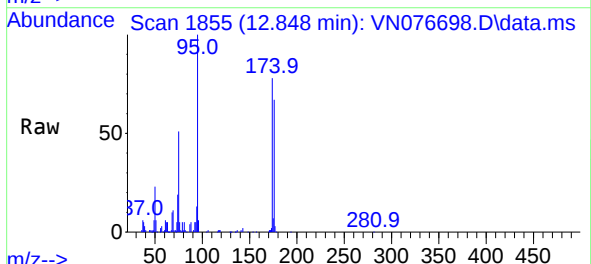
Manual Integrations
APPROVED

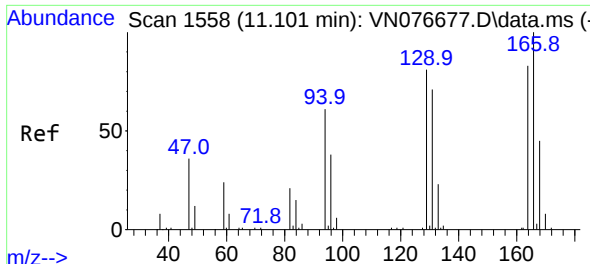
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#60
4-Bromofluorobenzene
Concen: 30.560 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

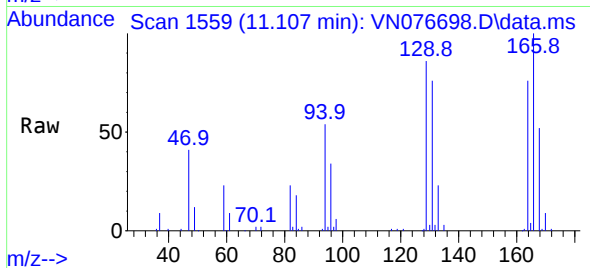
Tgt Ion: 95 Resp: 125285
Ion Ratio Lower Upper
95 100
174 80.7 64.2 96.4
176 74.3 61.4 92.0





#61
Tetrachloroethene
Concen: 18.575 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

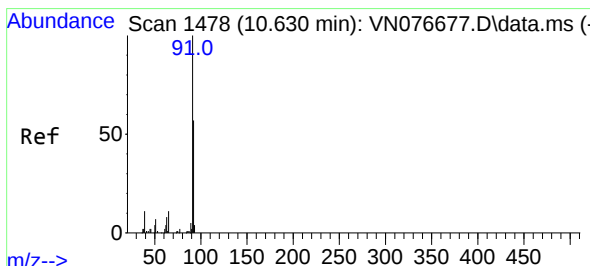
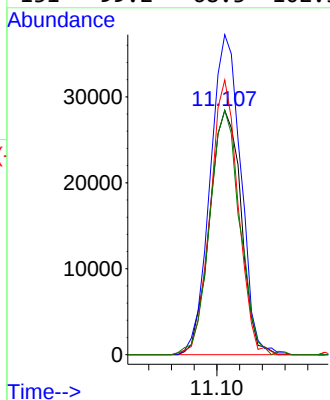
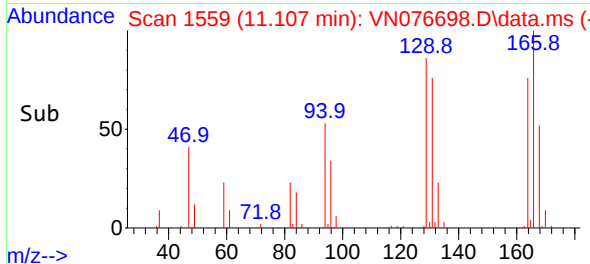
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 54368
Ion Ratio Lower Upper
164 100
166 131.0 96.2 144.2
129 112.5 78.2 117.4
131 99.2 68.3 102.5

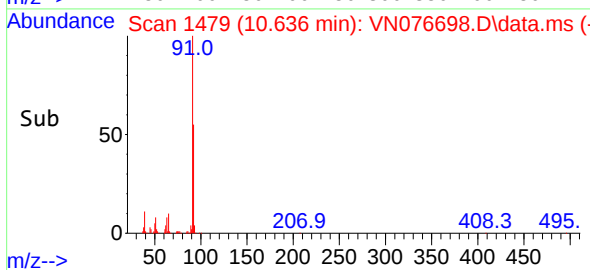
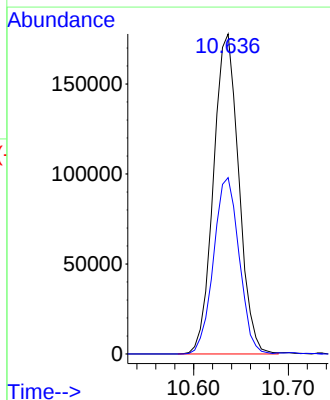
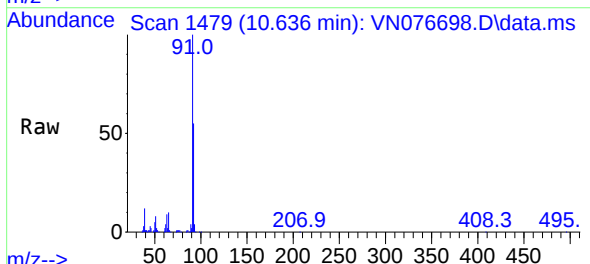
Manual Integrations
APPROVED

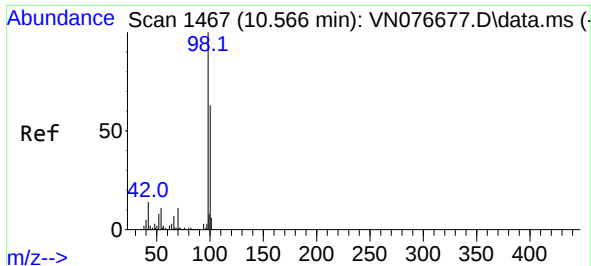
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#62
Toluene
Concen: 20.421 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

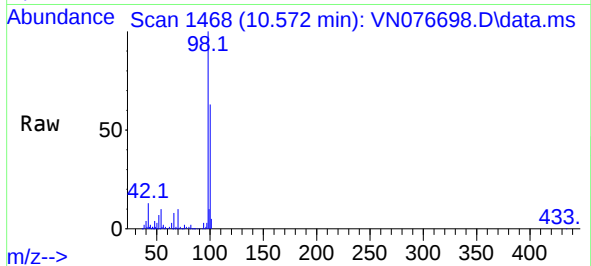
Tgt Ion: 91 Resp: 330778
Ion Ratio Lower Upper
91 100
92 55.7 46.3 69.5





#63
Toluene-d8
Concen: 31.014 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

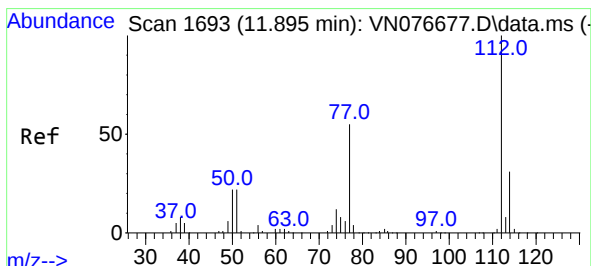
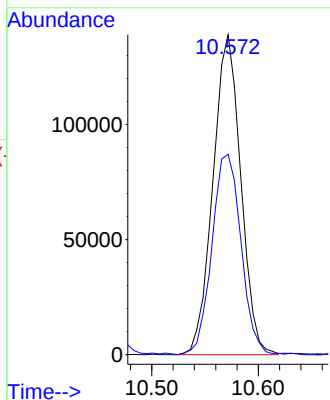
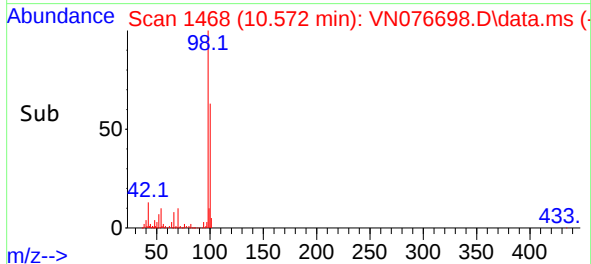
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 251790
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.6

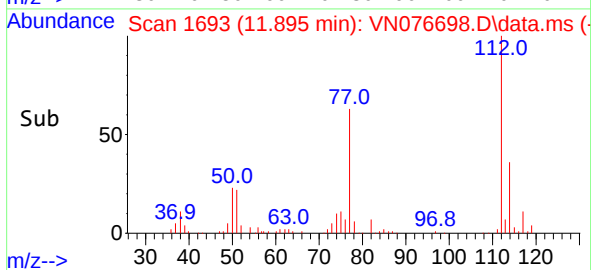
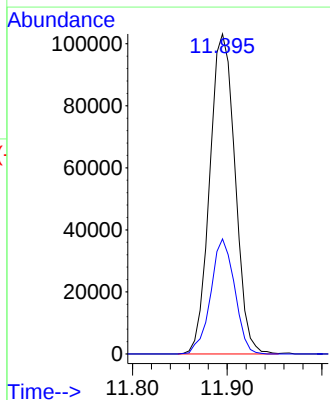
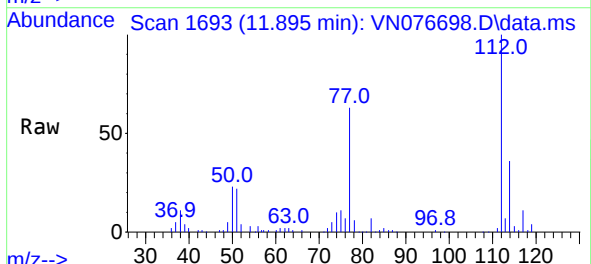
Manual Integrations
APPROVED

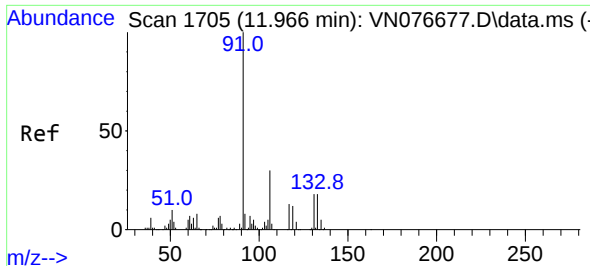
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#64
Chlorobenzene
Concen: 19.866 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion:112 Resp: 191710
Ion Ratio Lower Upper
112 100
114 36.0 24.5 36.7





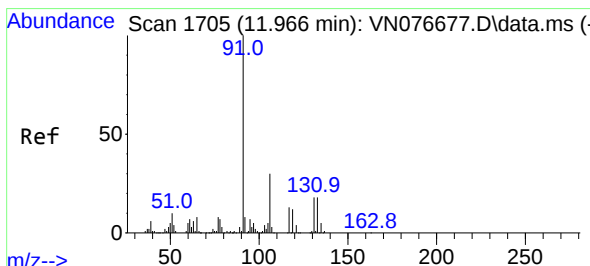
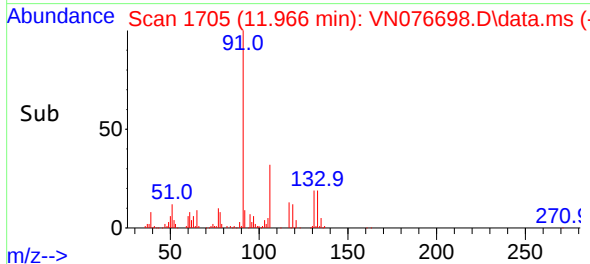
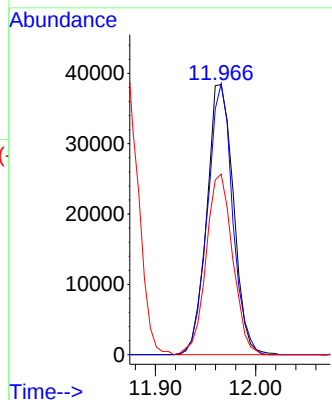
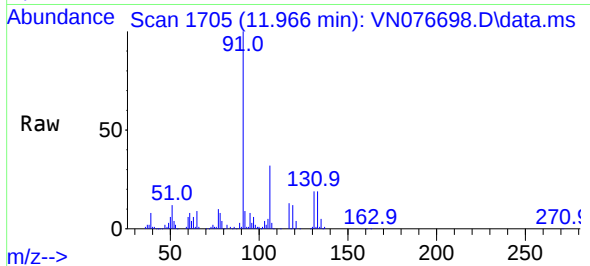
#65
1,1,1,2-Tetrachloroethane
Concen: 20.043 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 7090
Ion Ratio Lower Upper
131 100
133 94.5 0.0 197.6
119 66.7 0.0 127.8

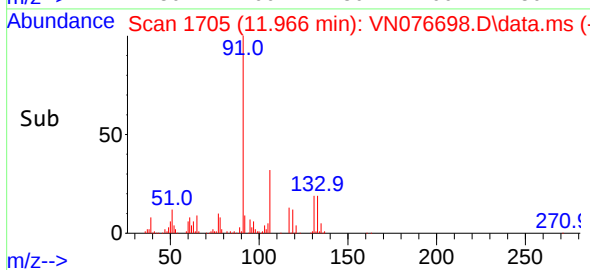
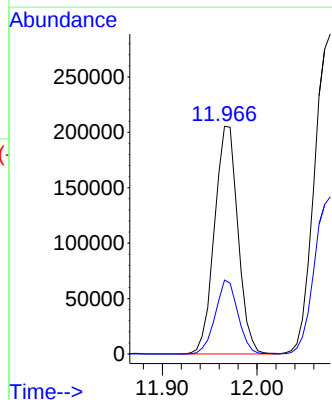
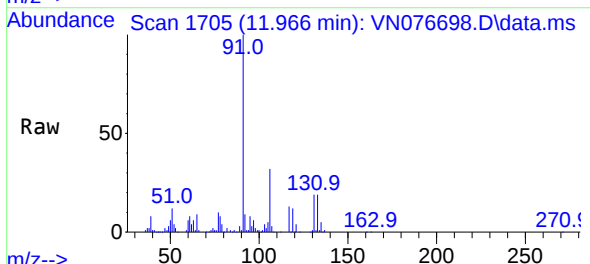
Manual Integrations
APPROVED

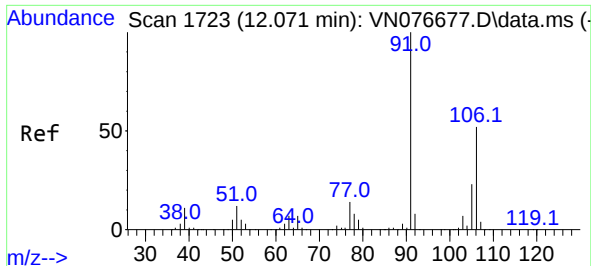
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#66
Ethyl Benzene
Concen: 20.555 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion: 91 Resp: 353964
Ion Ratio Lower Upper
91 100
106 32.5 23.8 35.8





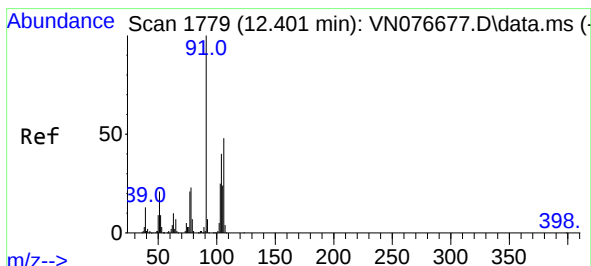
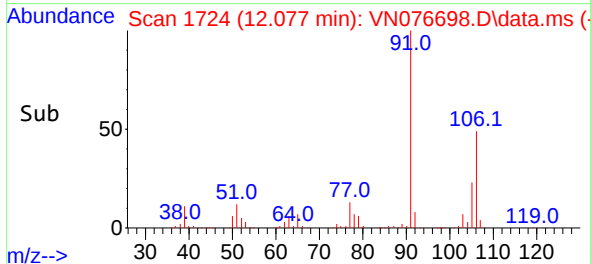
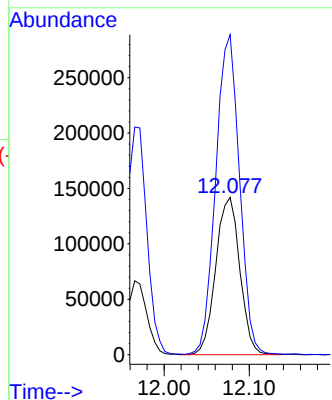
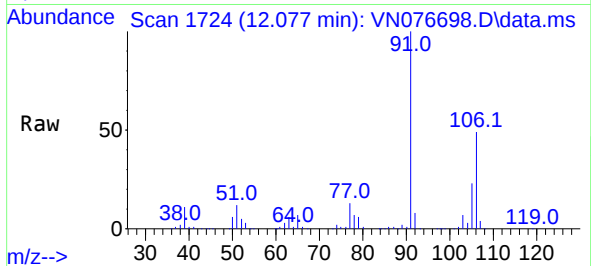
#67
m/p-Xylenes
Concen: 41.367 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 27856
Ion Ratio Lower Upper
106 100
91 200.9 157.4 236.2

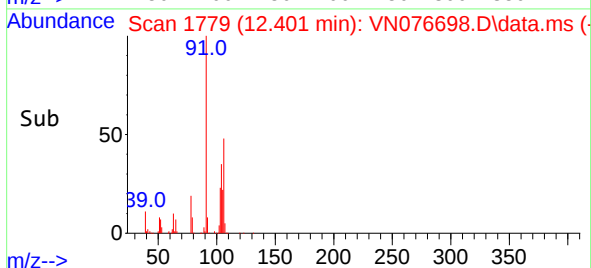
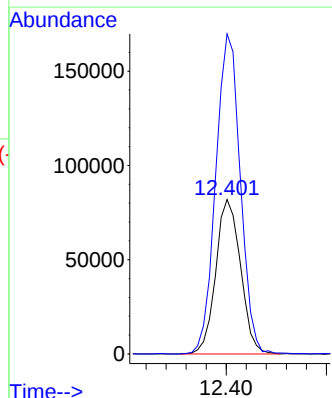
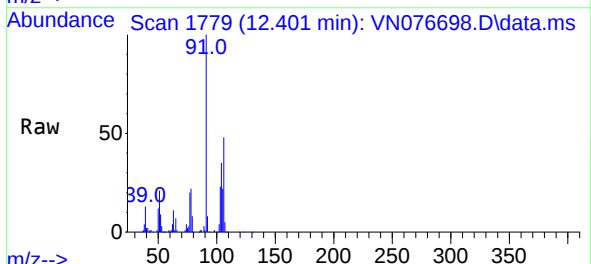
Manual Integrations
APPROVED

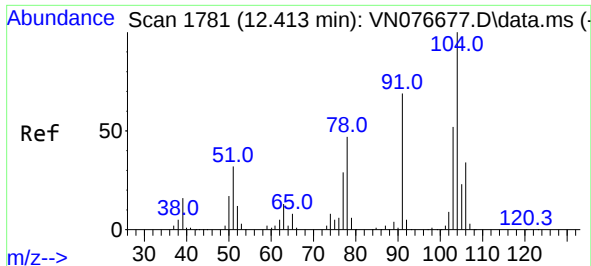
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#68
o-Xylene
Concen: 21.184 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion:106 Resp: 140579
Ion Ratio Lower Upper
106 100
91 205.0 107.2 321.6





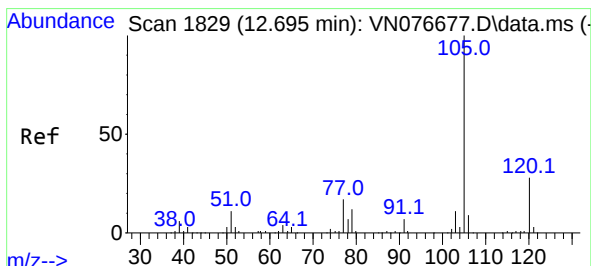
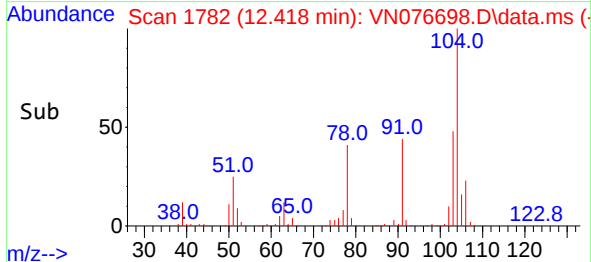
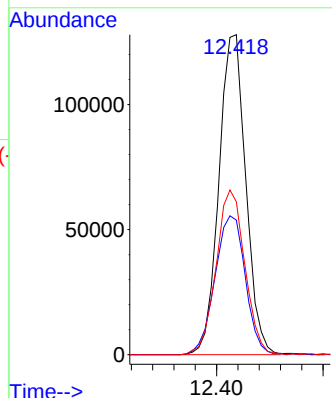
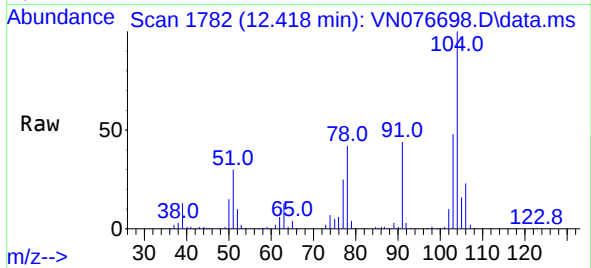
#69
Styrene
Concen: 21.010 ug/l
RT: 12.418 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 22383
Ion Ratio Lower Upper
104 100
78 49.1 39.6 59.4
103 55.0 43.9 65.9

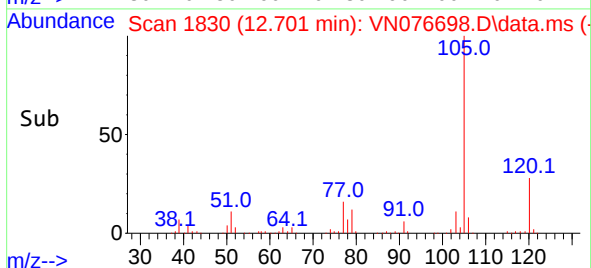
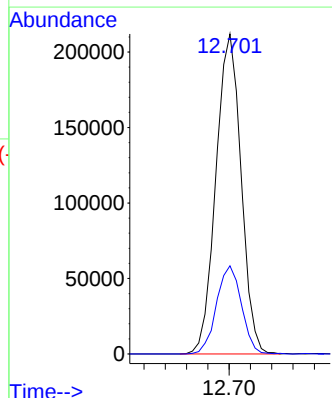
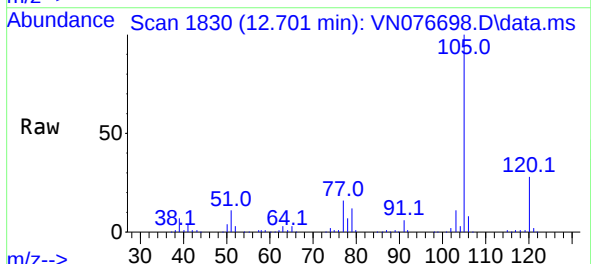
Manual Integrations
APPROVED

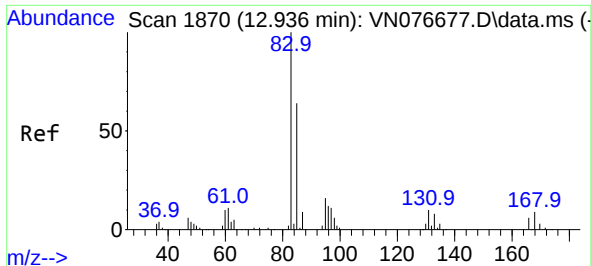
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#70
Isopropylbenzene
Concen: 20.506 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion:105 Resp: 347165
Ion Ratio Lower Upper
105 100
120 27.3 19.0 35.2





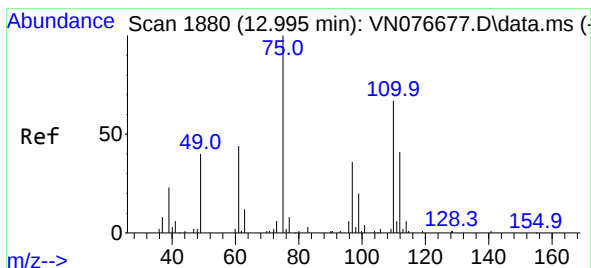
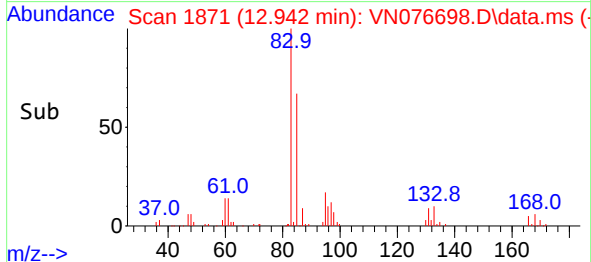
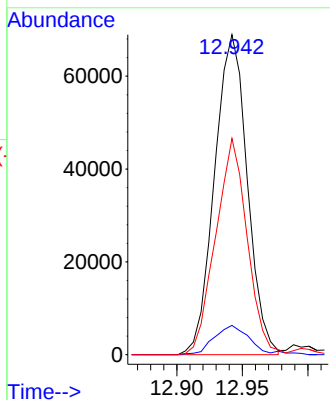
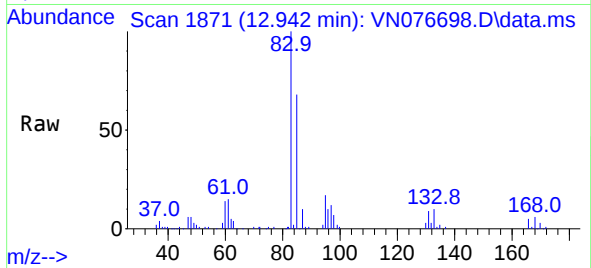
#71
1,1,2,2-Tetrachloroethane
Concen: 21.608 ug/l
RT: 12.942 min Scan# 1870
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 11968
Ion Ratio Lower Upper
83 100
131 9.6 5.0 14.9
85 65.0 32.3 96.9

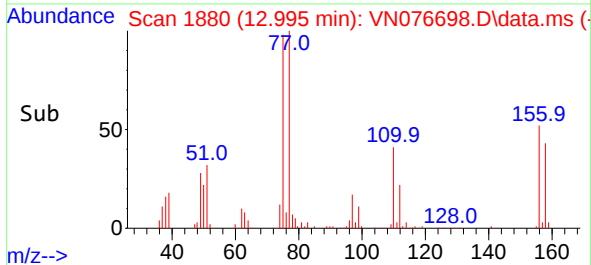
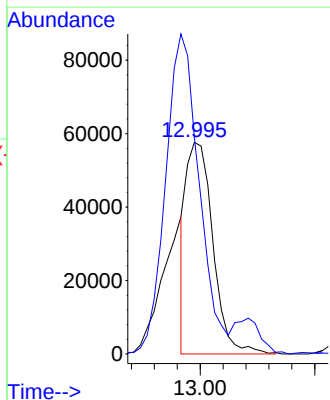
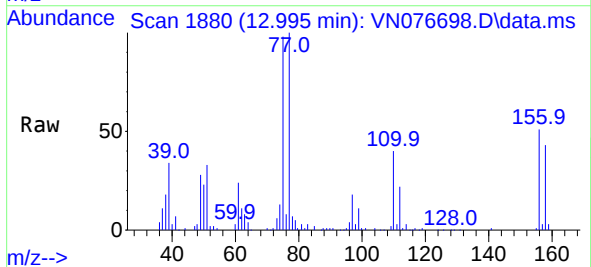
Manual Integrations
APPROVED

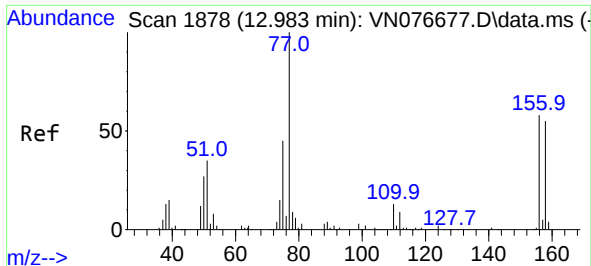
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#72
1,2,3-Trichloropropane
Concen: 19.022 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

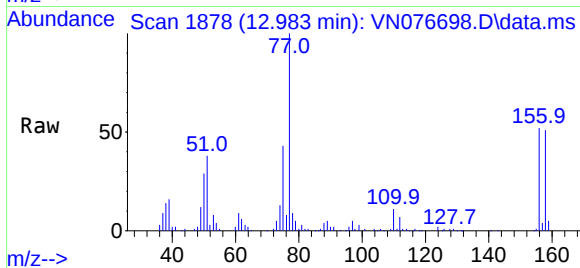
Tgt Ion: 75 Resp: 92811
Ion Ratio Lower Upper
75 100
77 191.2 0.0 332.6





#73
Bromobenzene
Concen: 20.107 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

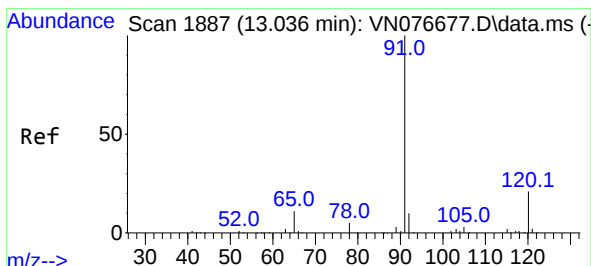
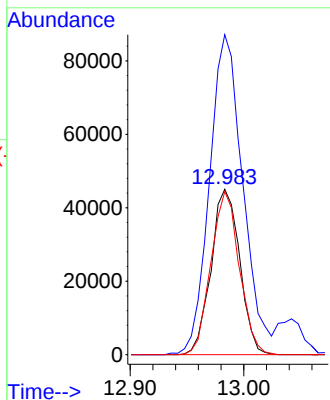
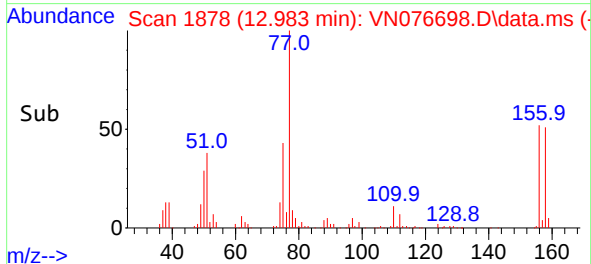
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



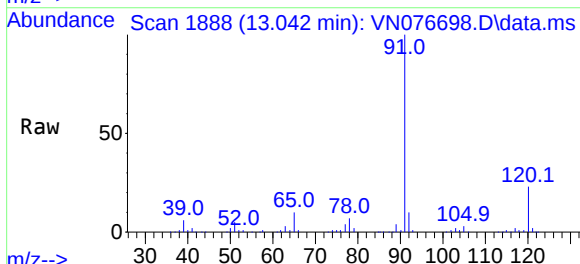
Tgt Ion:156 Resp: 78980
Ion Ratio Lower Upper
156 100
77 224.7 0.0 423.0
158 97.8 0.0 188.6

Manual Integrations
APPROVED

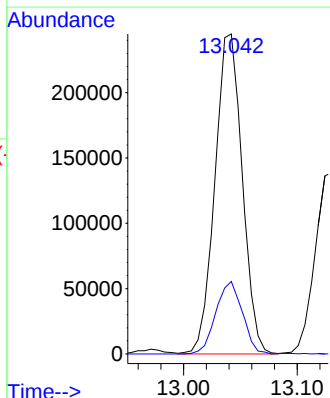
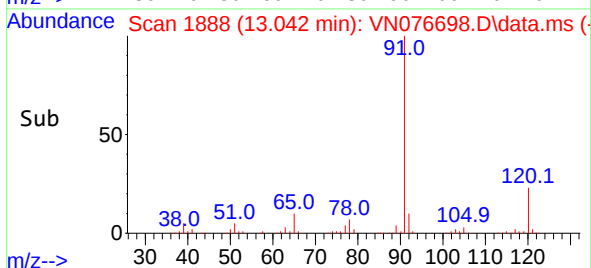
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

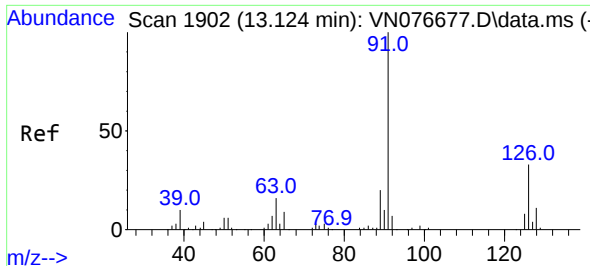


#74
n-propylbenzene
Concen: 20.320 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



Tgt Ion: 91 Resp: 409719
Ion Ratio Lower Upper
91 100
120 22.0 0.0 44.0





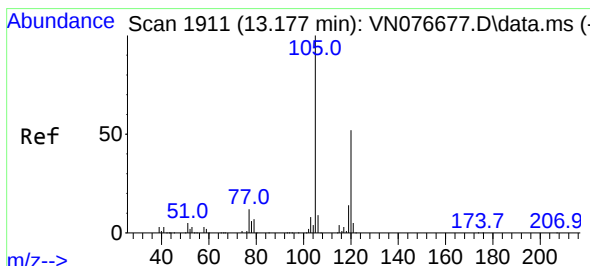
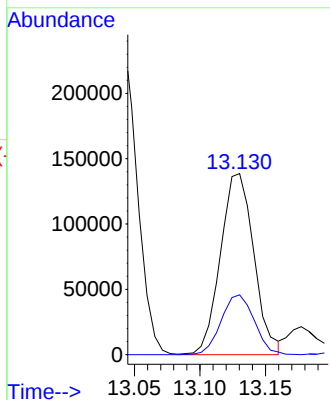
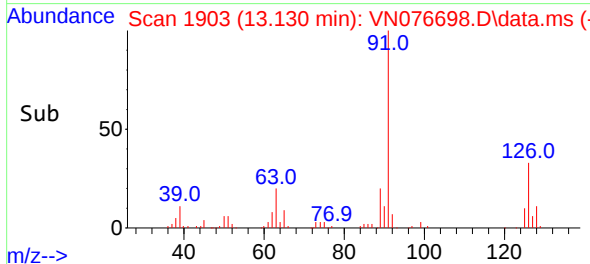
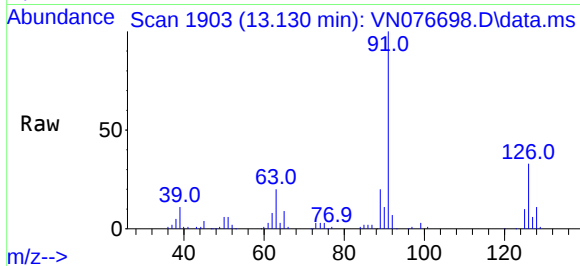
#75
2-Chlorotoluene
Concen: 20.529 ug/l
RT: 13.130 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 246308
Ion Ratio Lower Upper
91 100
126 32.7 0.0 66.4

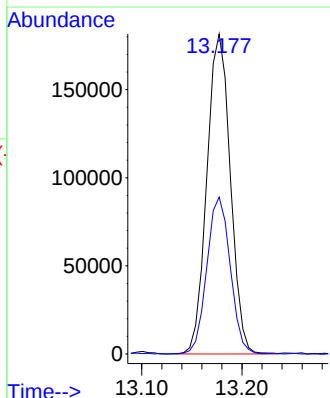
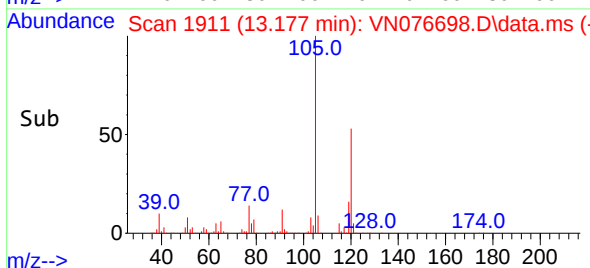
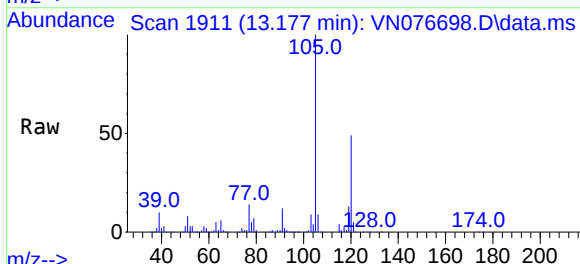
Manual Integrations
APPROVED

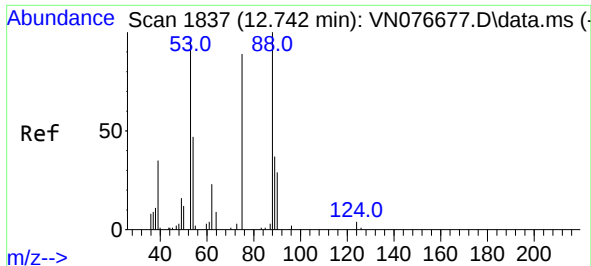
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#76
1,3,5-Trimethylbenzene
Concen: 20.964 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion:105 Resp: 296005
Ion Ratio Lower Upper
105 100
120 48.8 0.0 103.2





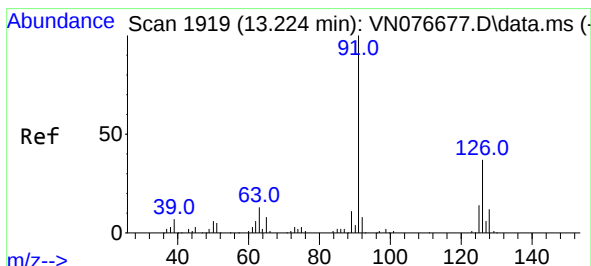
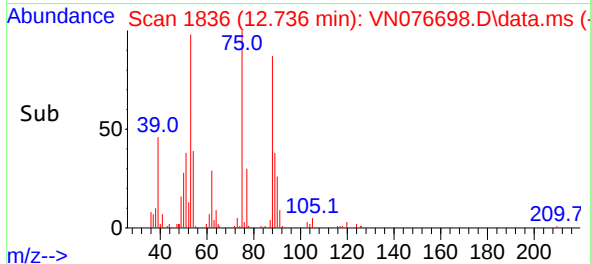
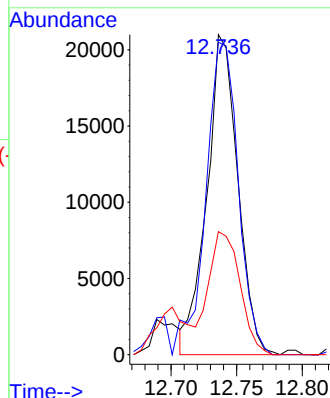
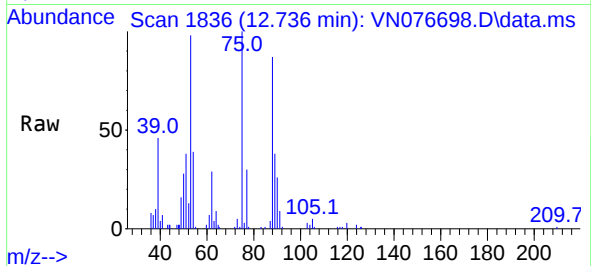
#77
t-1,4-Dichloro-2-butene
Concen: 21.994 ug/l
RT: 12.736 min Scan# 1836
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 3447
Ion Ratio Lower Upper
75 100
53 97.6 50.4 151.3
89 38.5 22.1 66.5

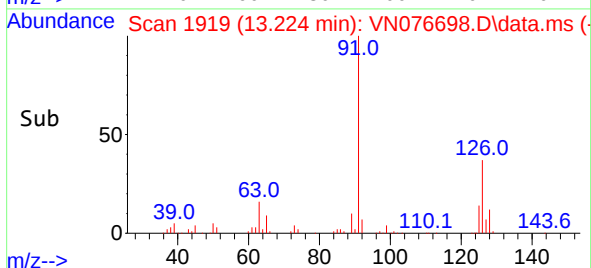
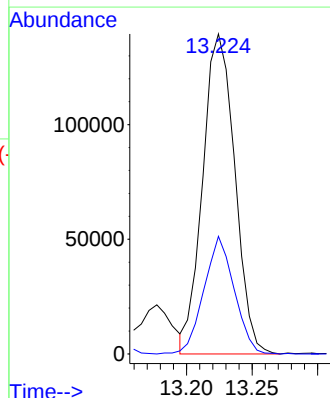
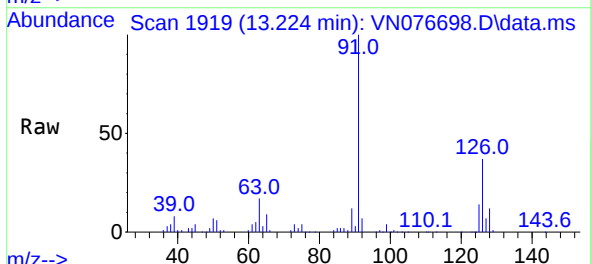
Manual Integrations
APPROVED

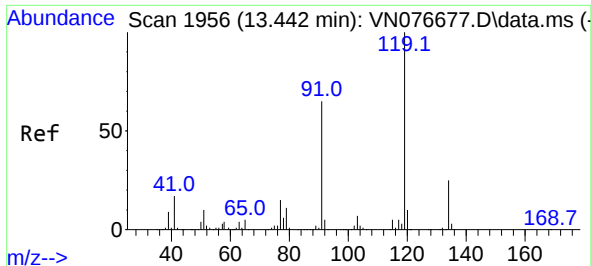
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#78
4-Chlorotoluene
Concen: 20.691 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Tgt Ion: 91 Resp: 237988
Ion Ratio Lower Upper
91 100
126 34.6 0.0 70.6





#79

tert-butylbenzene

Concen: 20.420 ug/l

RT: 13.442 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN076698.D

Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:119 Resp: 25528

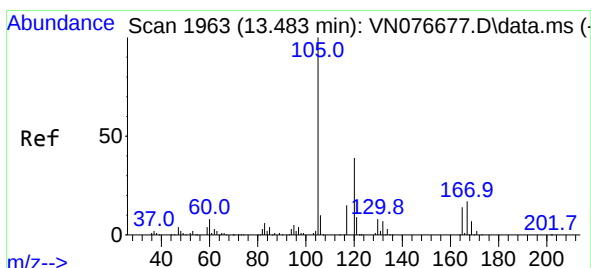
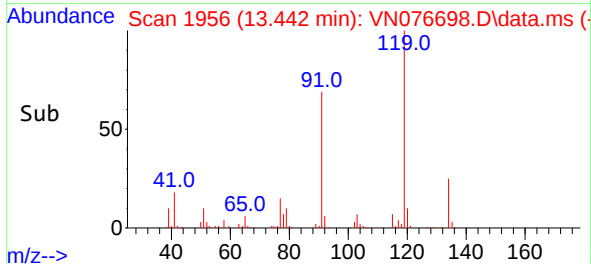
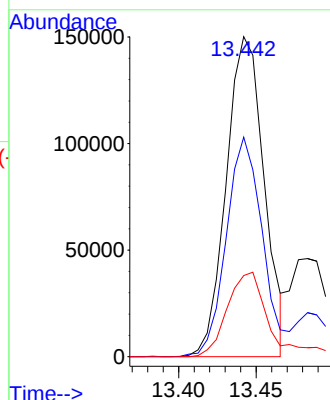
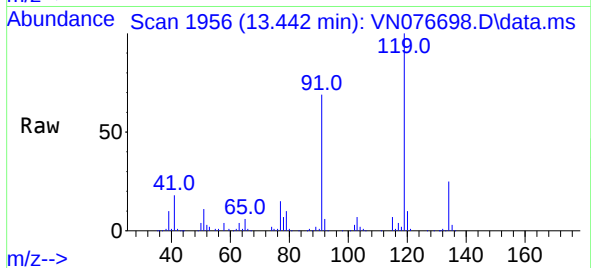
Ion	Ratio	Lower	Upper
119	100		
91	66.0	0.0	129.6
134	25.7	0.0	47.8

Manual Integrations

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Reviewed By :John Carlone 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#80

1,2,4-Trimethylbenzene

Concen: 20.954 ug/l

RT: 13.483 min Scan# 1963

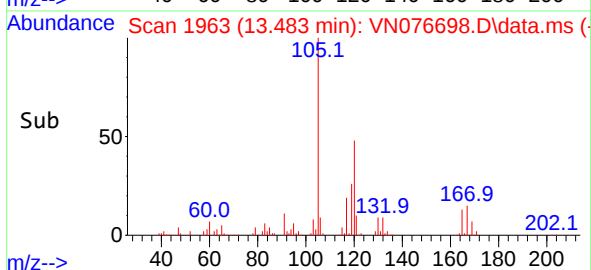
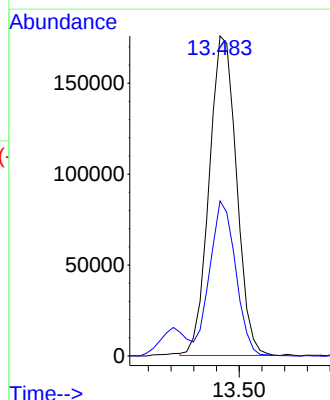
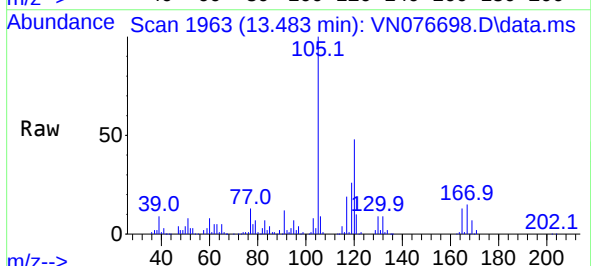
Delta R.T. -0.000 min

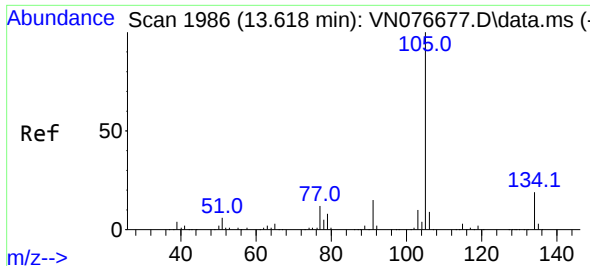
Lab File: VN076698.D

Acq: 15 Feb 2023 20:28

Tgt Ion:105 Resp: 293780

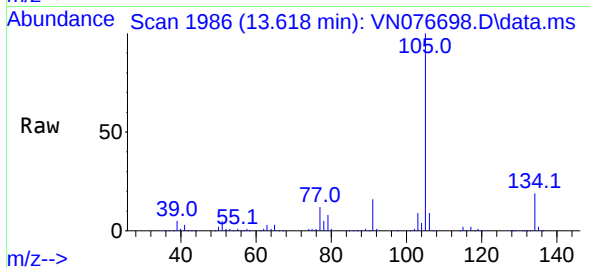
Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	93.2





#81
 sec-Butylbenzene
 Concen: 20.569 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN076698.D
 Acq: 15 Feb 2023 20:28

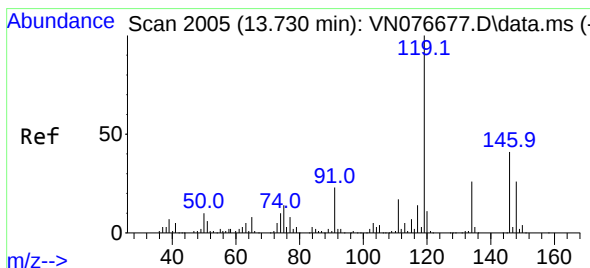
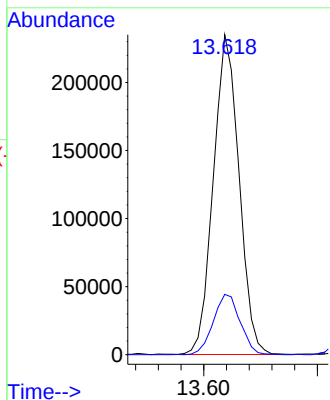
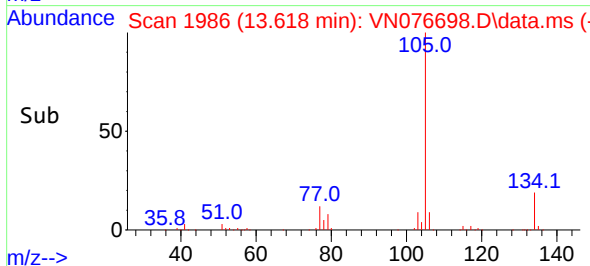
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



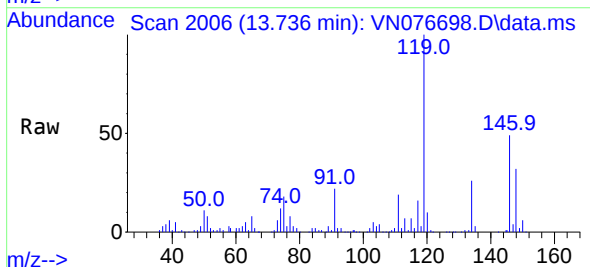
Tgt Ion:105 Resp: 369264
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

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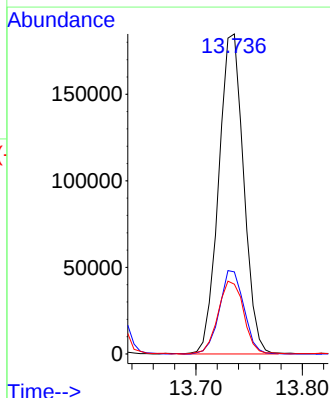
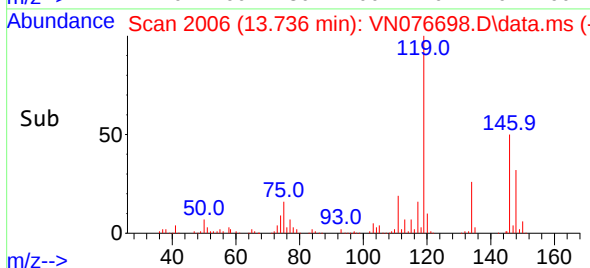
Reviewed By :John Carlone 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

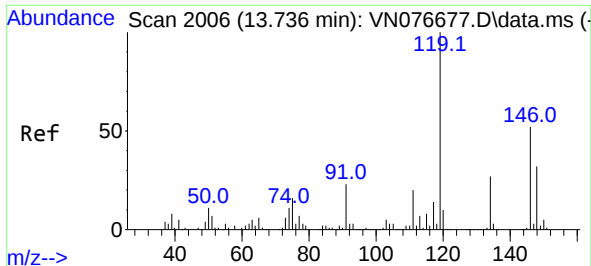


#82
 p-Isopropyltoluene
 Concen: 20.671 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.006 min
 Lab File: VN076698.D
 Acq: 15 Feb 2023 20:28



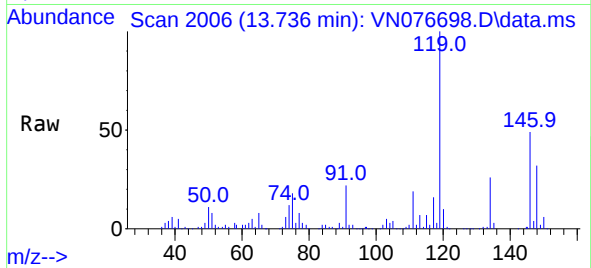
Tgt Ion:119 Resp: 300862
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 53.4
 91 23.4 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 20.221 ug/l
RT: 13.736 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

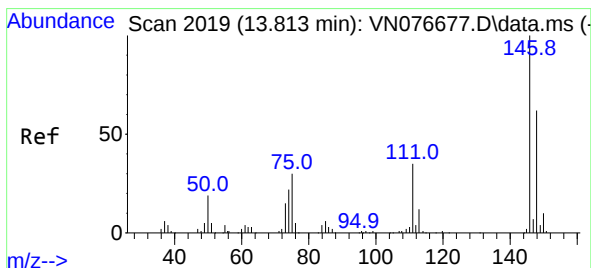
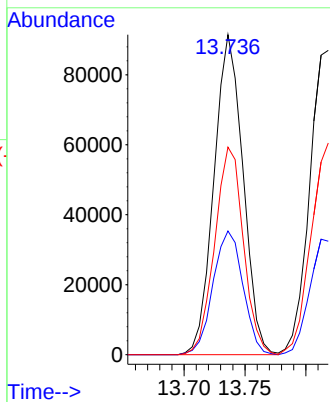
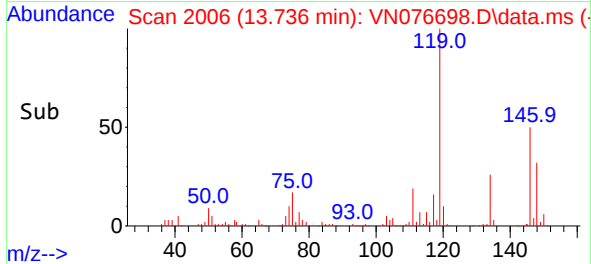
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



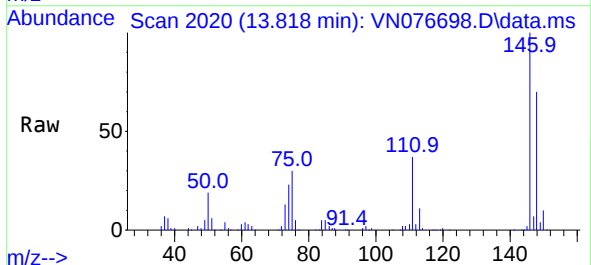
Tgt Ion:146 Resp: 151779
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 64.1 31.9 95.5

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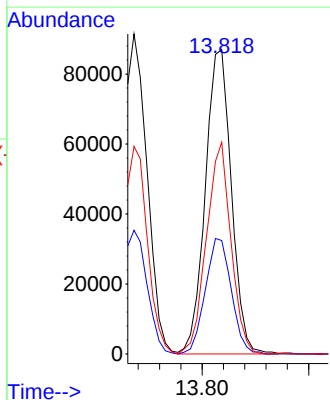
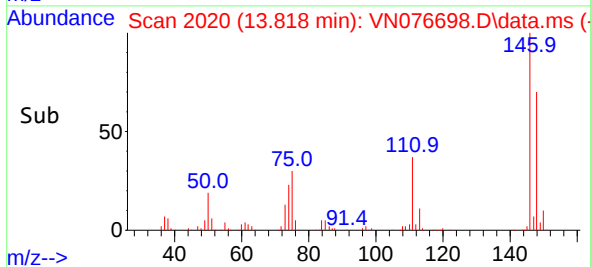
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

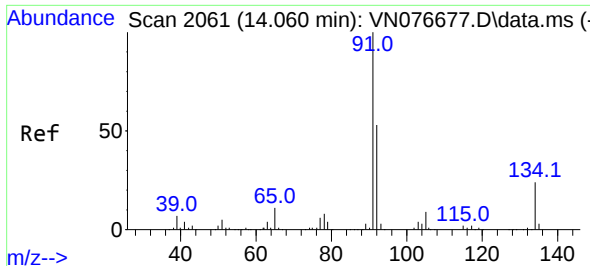


#84
1,4-Dichlorobenzene
Concen: 20.196 ug/l
RT: 13.818 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



Tgt Ion:146 Resp: 147863
Ion Ratio Lower Upper
146 100
111 37.8 18.2 54.6
148 65.2 31.1 93.2





#85
n-Butylbenzene
Concen: 19.239 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

Instrument :

MSVOA_N

ClientSampleId :

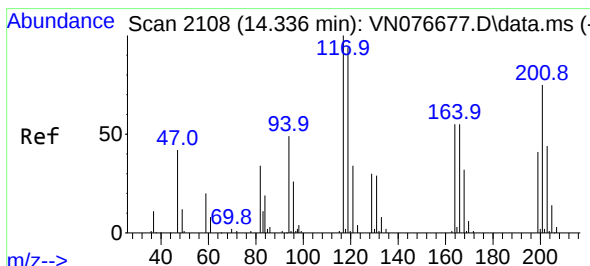
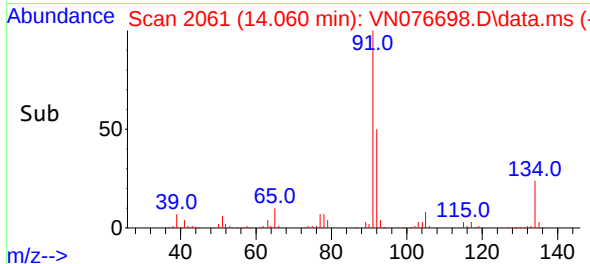
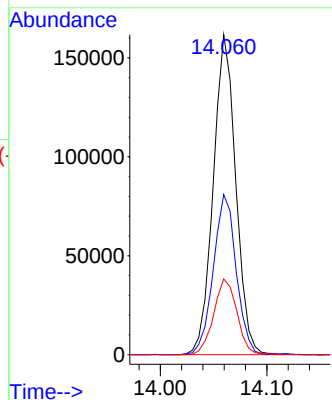
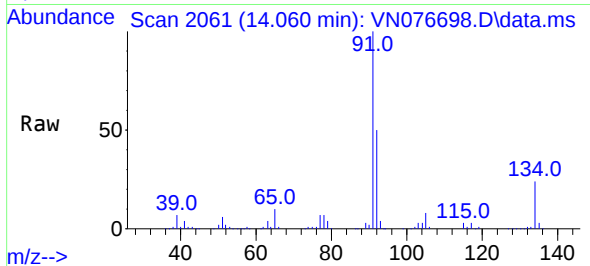
VSTDCCC020EC

Tgt Ion: 91 Resp: 237328
Ion Ratio Lower Upper
91 100
92 50.8 0.0 103.2
134 24.3 0.0 50.0

Manual Integrations

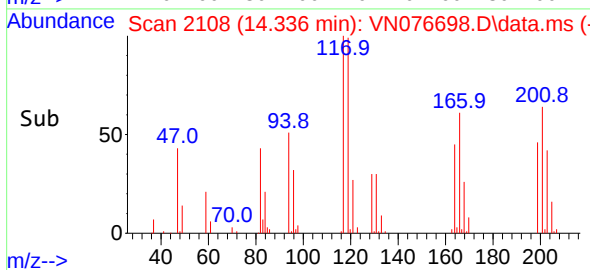
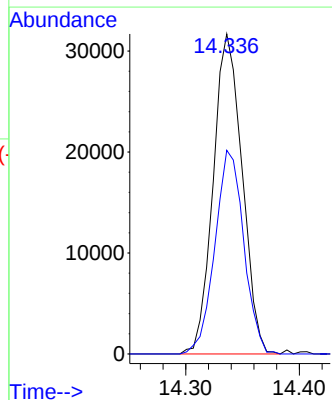
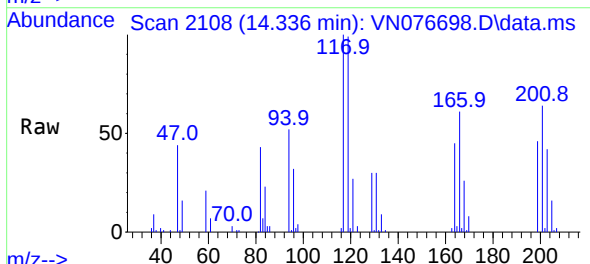
APPROVED

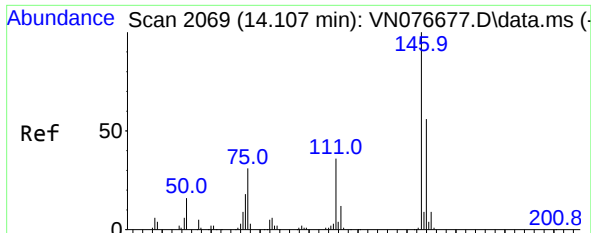
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#86
Hexachloroethane
Concen: 19.916 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

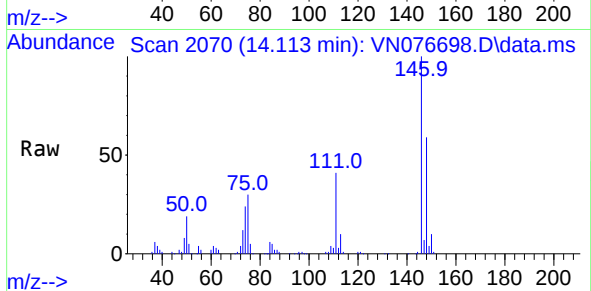
Tgt Ion:117 Resp: 56114
Ion Ratio Lower Upper
117 100
201 63.3 32.2 96.6





#87
1,2-Dichlorobenzene
Concen: 20.446 ug/l
RT: 14.113 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

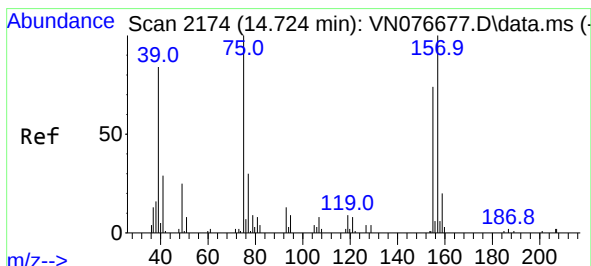
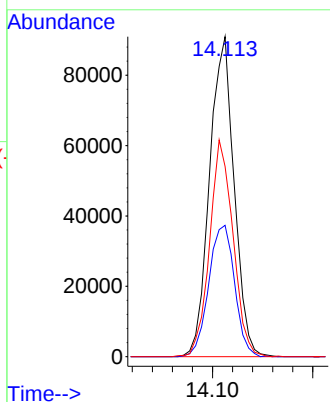
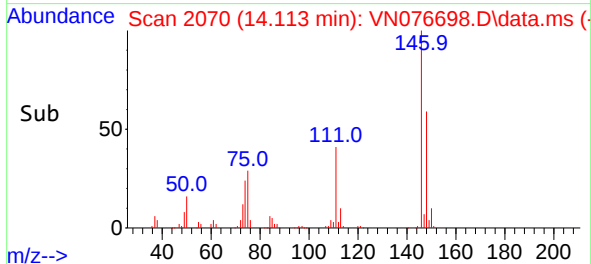
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



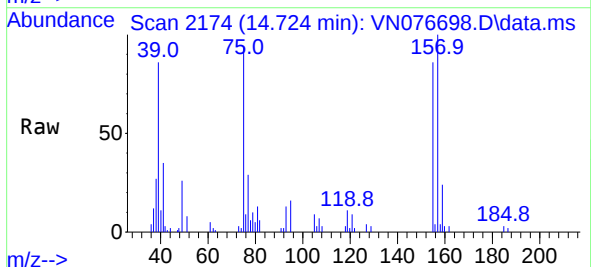
Tgt Ion:146 Resp: 15431
Ion Ratio Lower Upper
146 100
111 43.2 20.5 61.6
148 64.6 32.5 97.5

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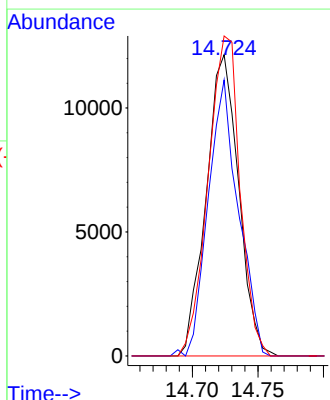
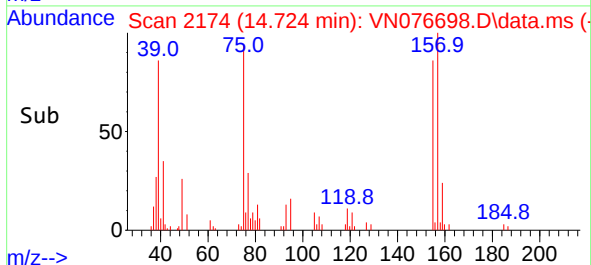
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

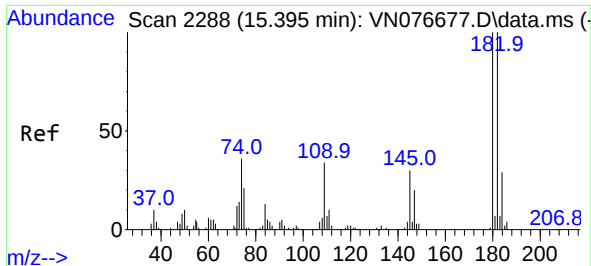


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.417 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



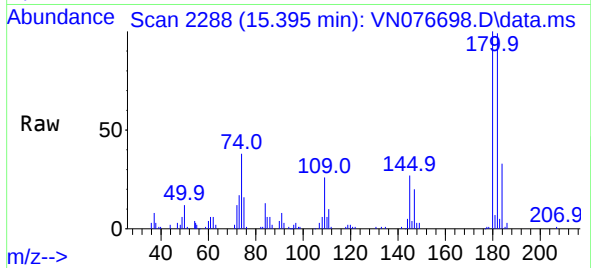
Tgt Ion: 75 Resp: 20962
Ion Ratio Lower Upper
75 100
155 85.0 62.5 93.7
157 104.4 77.5 116.3





#89
1,2,4-Trichlorobenzene
Concen: 18.803 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

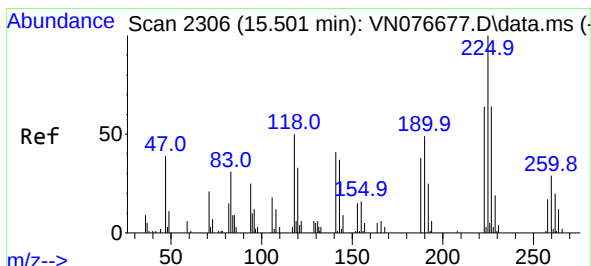
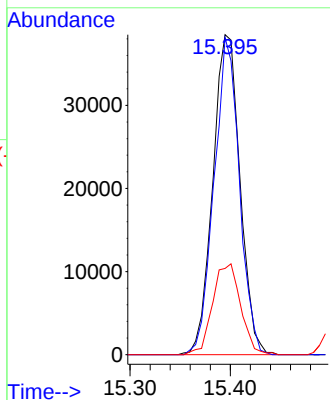
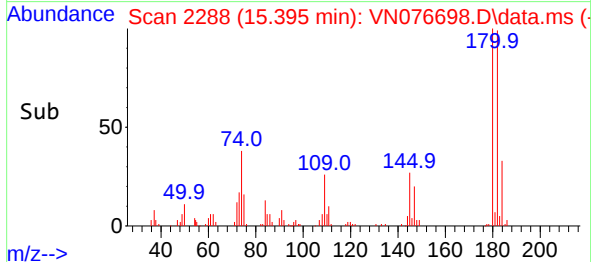
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



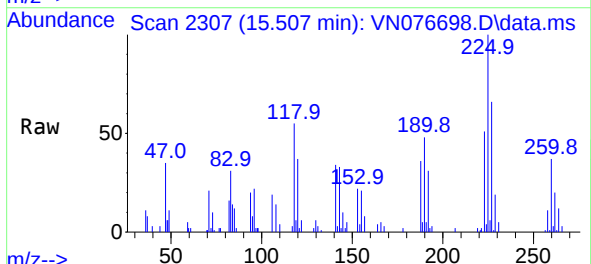
Tgt Ion:180 Resp: 7239
Ion Ratio Lower Upper
180 100
182 92.1 76.6 115.0
145 28.8 24.6 36.8

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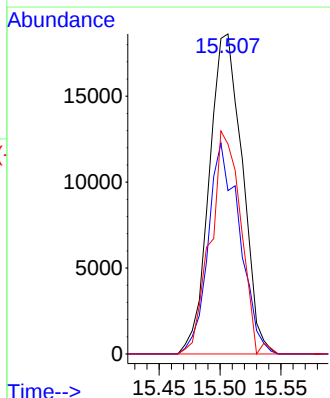
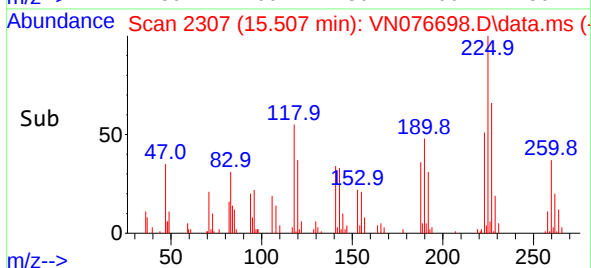
Reviewed By :John Carlone 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

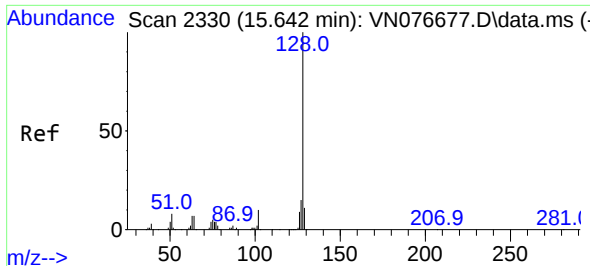


#90
Hexachlorobutadiene
Concen: 18.933 ug/l
RT: 15.507 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



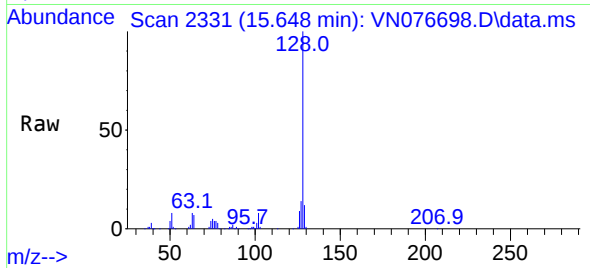
Tgt Ion:225 Resp: 35119
Ion Ratio Lower Upper
225 100
223 62.9 0.0 135.4
227 63.3 0.0 129.4





#91
Naphthalene
Concen: 19.834 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28

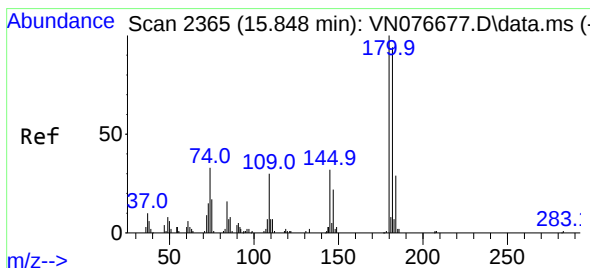
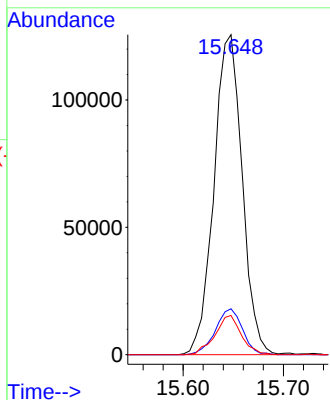
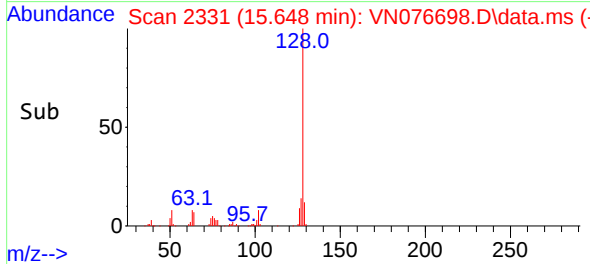
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



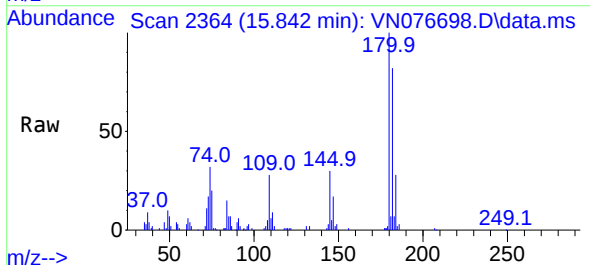
Tgt Ion:128 Resp: 245544
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 11.5 8.9 13.3

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



#92
1,2,3-Trichlorobenzene
Concen: 18.667 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.006 min
Lab File: VN076698.D
Acq: 15 Feb 2023 20:28



Tgt Ion:180 Resp: 72950
Ion Ratio Lower Upper
180 100
182 97.1 0.0 190.8
145 33.6 0.0 65.0

