

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073074.D
 Acq On : 24 Jun 2022 10:38
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:32:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.581	128	43826	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	251272	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	220706	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	123150	29.149	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.167%		
60) 4-Bromofluorobenzene	12.669	95	128446	30.419	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.400%		
63) Toluene-d8	10.375	98	364102	30.464	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.533%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	71946	20.808	ug/l	94
3) Chloromethane	2.269	50	67426	20.524	ug/l	96
4) Vinyl Chloride	2.410	62	58109	19.762	ug/l	91
5) Bromomethane	2.810	94	27310	28.206	ug/l	92
6) Chloroethane	2.975	64	36363	20.042	ug/l	97
7) Trichlorofluoromethane	3.316	101	107124	20.069	ug/l	99
8) Diethyl Ether	3.769	74	42213	19.324	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.140	101	62113	21.064	ug/l #	70
10) 1,1-Dichloroethene	4.116	96	59172	19.607	ug/l	97
11) Methyl Iodide	4.351	142	49765	17.286	ug/l	89
12) Methyl Acetate	4.781	43	106938	17.016	ug/l	96
13) Acrolein	3.981	56	76529	120.812	ug/l	99
14) Acrylonitrile	5.475	53	220582	92.127	ug/l	97
15) Acetone	4.222	58	56698	85.849	ug/l	96
16) Carbon Disulfide	4.457	76	152449	19.157	ug/l	95
17) Allyl chloride	4.763	41	118080	20.613	ug/l	84
18) Methylene Chloride	5.016	84	67768	18.829	ug/l	96
19) trans-1,2-Dichloroethene	5.516	96	61445	19.294	ug/l	98
20) Diisopropyl ether	6.410	45	232251	19.271	ug/l	95
21) 1,1-Dichloroethane	6.304	63	119825	18.948	ug/l	96
22) cis-1,2-Dichloroethene	7.245	96	75397	19.910	ug/l	99
23) tert-Butyl Alcohol	5.287	59	83053	84.951	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	214339	19.039	ug/l	99
25) Chloroform	7.739	83	121619	19.326	ug/l	94
26) Cyclohexane	8.022	56	111099	20.067	ug/l #	95
29) 1,1-Dichloropropene	8.145	75	87522	19.265	ug/l	98
30) 2-Butanone	7.257	43	319967	91.452	ug/l	95
31) 2,2-Dichloropropane	7.245	77	105100	47.263	ug/l #	53
32) 1,1,1-Trichloroethane	7.939	97	105679	18.932	ug/l	96
33) Carbon Tetrachloride	8.128	117	91776	19.445	ug/l	93
34) Benzene	8.386	78	277613m	19.633	ug/l	
35) Methacrylonitrile	7.563	41	64767	20.808	ug/l	89
36) 1,2-Dichloroethane	8.463	62	100048	19.091	ug/l	98
37) Trichloroethene	9.145	130	68620	19.500	ug/l	96
38) Methylcyclohexane	9.392	83	112528	20.914	ug/l	91
39) 1,2-Dichloropropane	9.422	63	70980	19.413	ug/l	100
40) Dibromomethane	9.510	93	47921	19.368	ug/l	94
41) Bromodichloromethane	9.692	83	93140	18.711	ug/l	92
42) Vinyl Acetate	6.351	43	1059076	97.901	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	129108	19.594	ug/l	98
44) Isopropyl Acetate	8.492	43	191999	18.870	ug/l	99
45) 1,4-Dioxane	9.504	88	31626	348.879	ug/l	90
46) Methyl methacrylate	9.492	41	87225	18.839	ug/l	81
47) n-amyl Acetate	12.327	43	155094	19.020	ug/l	98
48) t-1,3-Dichloropropene	10.651	75	101786	21.862	ug/l	99
49) cis-1,3-Dichloropropene	10.122	75	110714	21.960	ug/l	98
50) 1,1,2-Trichloroethane	10.833	97	68455	19.099	ug/l	98
51) Ethyl methacrylate	10.698	69	114847	18.920	ug/l	93
52) 1,3-Dichloropropane	10.980	76	119253	19.343	ug/l	99
53) Dibromochloromethane	11.175	129	70159	18.826	ug/l	98
54) 1,2-Dibromoethane	11.280	107	71257	18.927	ug/l	96
55) 2-Chloroethyl vinyl ether	9.975	63	255662	98.602	ug/l	99
56) Bromoform	12.392	173	49317	18.066	ug/l #	100
58) 4-Methyl-2-Pentanone	10.269	43	612420	95.402	ug/l	97
59) 2-Hexanone	11.022	43	465007	94.837	ug/l	98
61) Tetrachloroethene	10.910	164	58242	20.410	ug/l	92
62) Toluene	10.439	91	295691	20.154	ug/l	97
64) Chlorobenzene	11.704	112	175770	19.911	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.775	131	66899	19.949	ug/l	98
66) Ethyl Benzene	11.780	91	317333	19.633	ug/l	98
67) m/p-Xylenes	11.886	106	244684	40.383	ug/l	100
68) o-Xylene	12.216	106	123886	20.247	ug/l	98
69) Styrene	12.227	104	191271	19.529	ug/l	99
70) Isopropylbenzene	12.516	105	318825	20.362	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.763	83	105474	19.510	ug/l	98
72) 1,2,3-Trichloropropane	12.816	75	98342m	23.724	ug/l	
73) Bromobenzene	12.792	156	72490	19.851	ug/l	91
74) n-propylbenzene	12.857	91	358381	20.200	ug/l	100
75) 2-Chlorotoluene	12.939	91	223494	20.143	ug/l	97
76) 1,3,5-Trimethylbenzene	12.992	105	259363	19.929	ug/l	97
77) t-1,4-Dichloro-2-butene	12.563	75	32836	25.114	ug/l	93
78) 4-Chlorotoluene	13.039	91	211676	19.831	ug/l	97
79) tert-butylbenzene	13.257	119	224443	19.507	ug/l	98
80) 1,2,4-Trimethylbenzene	13.304	105	256464	20.086	ug/l #	81
81) sec-Butylbenzene	13.433	105	310167	19.999	ug/l	98
82) p-Isopropyltoluene	13.551	119	254588	20.211	ug/l	98
83) 1,3-Dichlorobenzene	13.551	146	133358	20.747	ug/l	98
84) 1,4-Dichlorobenzene	13.627	146	127109	19.788	ug/l	98
85) n-Butylbenzene	13.874	91	203474	19.851	ug/l	95
86) Hexachloroethane	14.145	117	46980	19.049	ug/l	93
87) 1,2-Dichlorobenzene	13.921	146	133398	19.835	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.533	75	25716	18.670	ug/l	96
89) 1,2,4-Trichlorobenzene	15.192	180	69831	19.762	ug/l	99
90) Hexachlorobutadiene	15.298	225	30681	21.536	ug/l	98
91) Naphthalene	15.427	128	273714	19.850	ug/l	99
92) 1,2,3-Trichlorobenzene	15.621	180	73047	20.317	ug/l	99

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

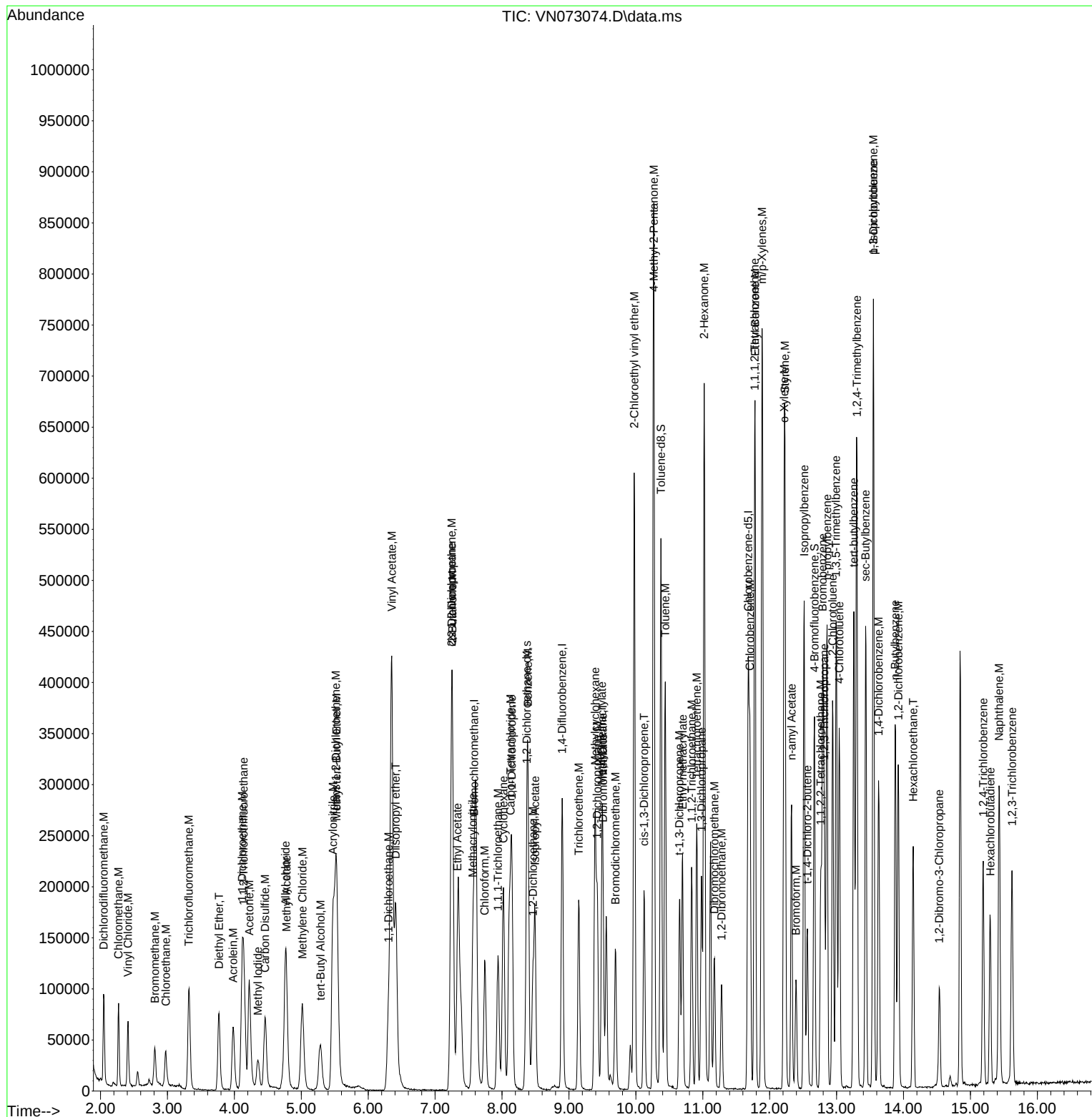
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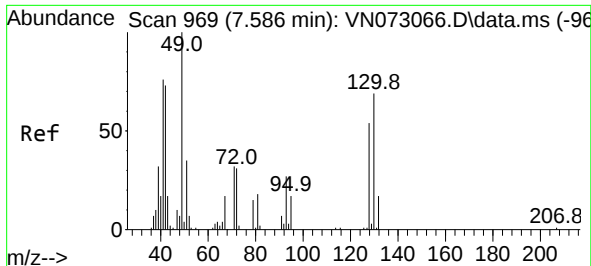
Instrument :
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Manual Integrations APPROVED

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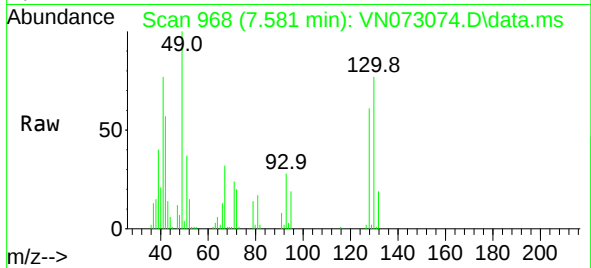
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.581 min Scan# 96
Delta R.T. -0.005 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

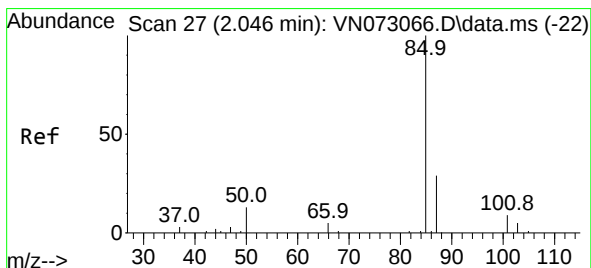
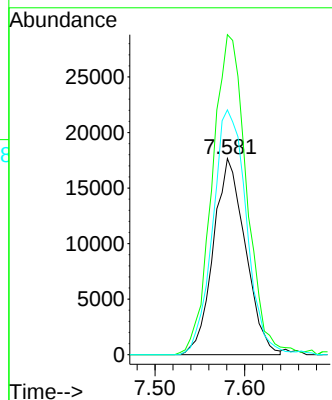
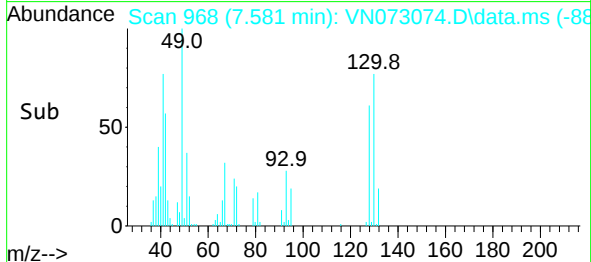
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 43820
Ion Ratio Lower Upper
128 100
49 174.9 0.0 392.3
130 131.2 0.0 320.2

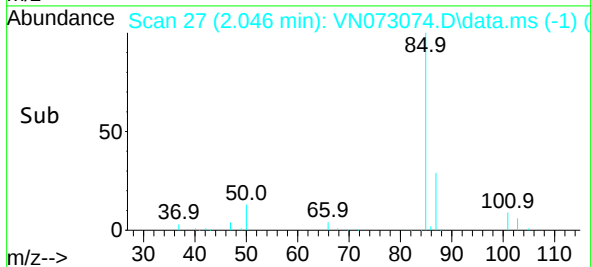
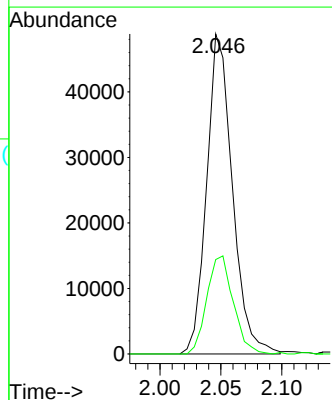
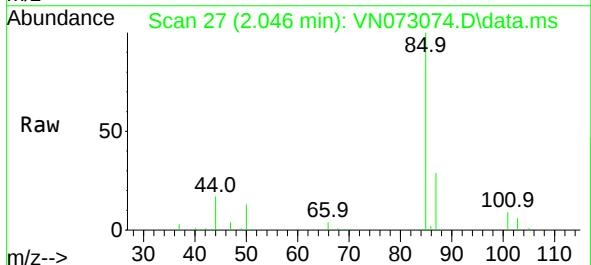
Manual Integrations
APPROVED

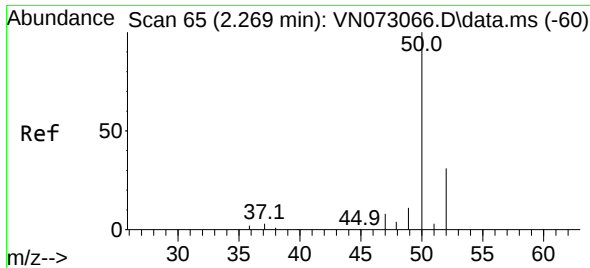
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#2
Dichlorodifluoromethane
Concen: 20.808 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

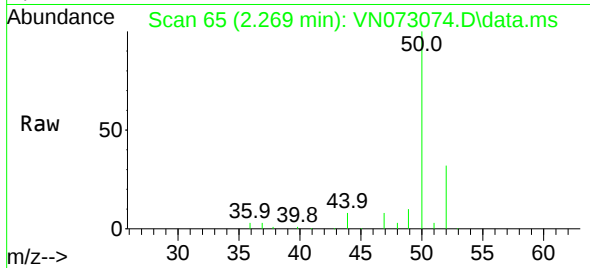
Tgt Ion: 85 Resp: 71946
Ion Ratio Lower Upper
85 100
87 29.5 16.6 49.7





#3
Chloromethane
Concen: 20.524 ug/l
RT: 2.269 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

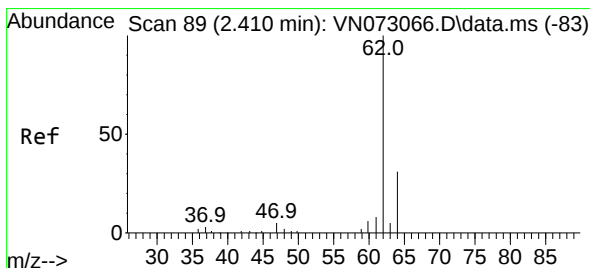
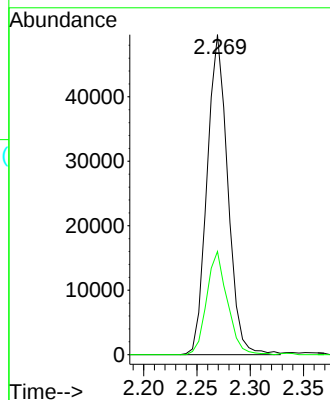
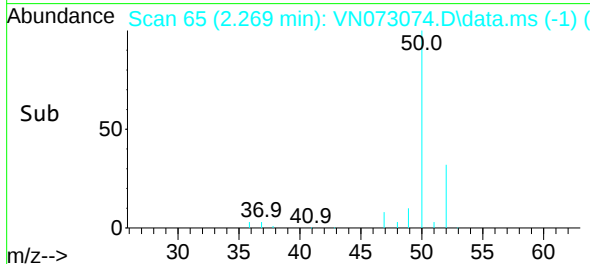
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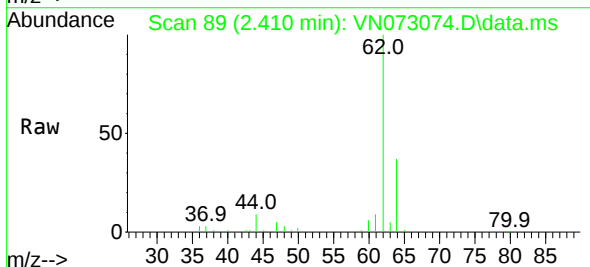
Tgt Ion: 50 Resp: 67420
Ion Ratio Lower Upper
50 100
52 32.3 27.8 41.6

Manual Integrations
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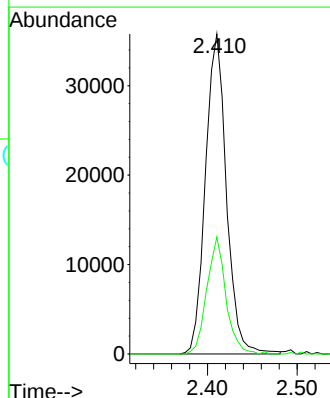
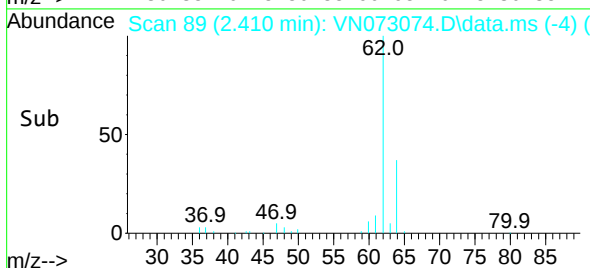
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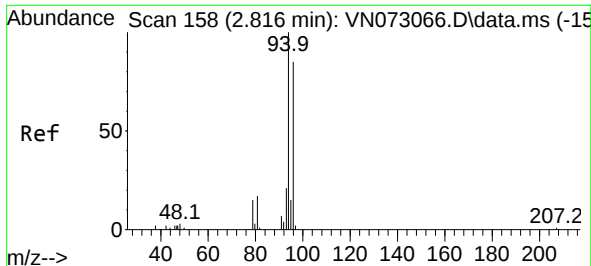


#4
Vinyl Chloride
Concen: 19.762 ug/l
RT: 2.410 min Scan# 89
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 62 Resp: 58109
Ion Ratio Lower Upper
62 100
64 36.5 25.1 37.7





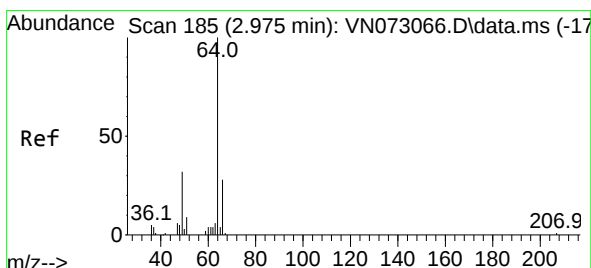
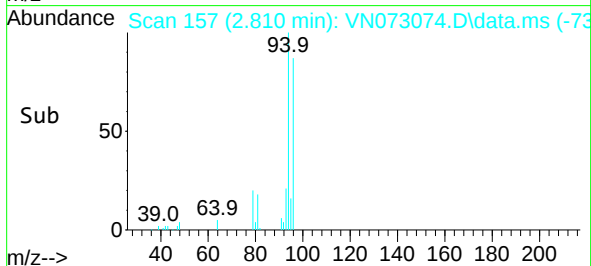
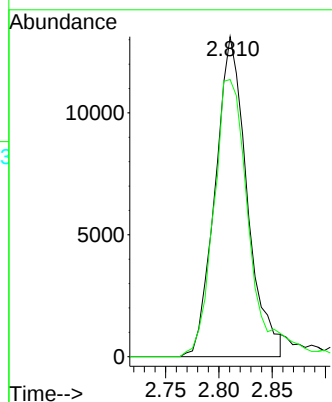
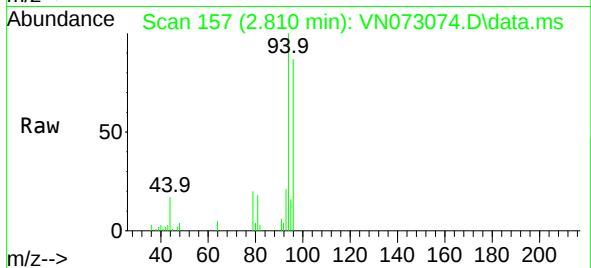
#5
Bromomethane
Concen: 28.206 ug/l
RT: 2.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 27310
Ion Ratio Lower Upper
94 100
96 86.6 75.2 112.8

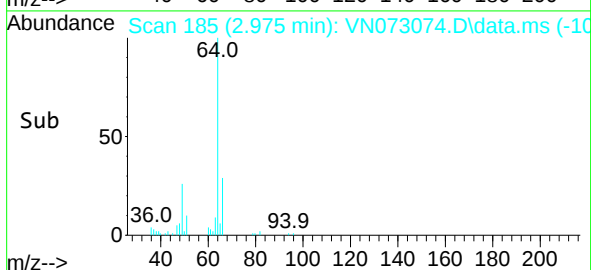
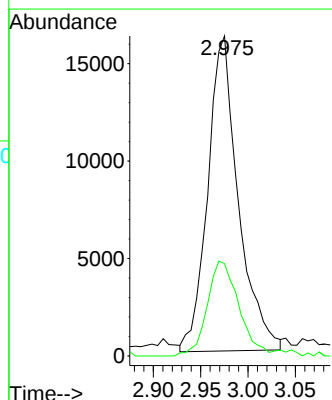
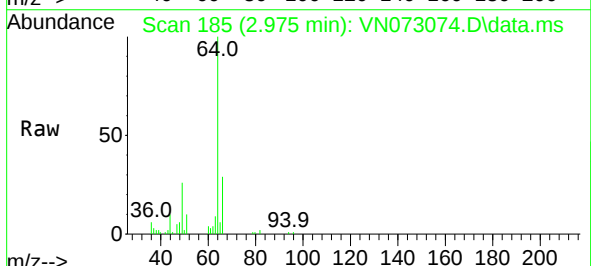
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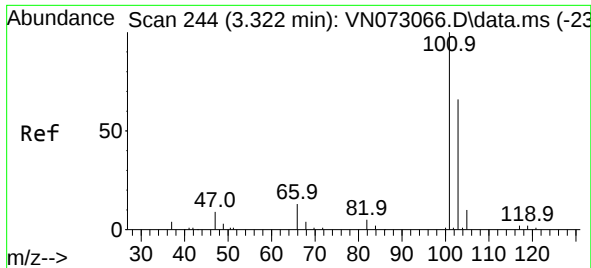
Reviewed By :John Carlone 06/25/2022
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#6
Chloroethane
Concen: 20.042 ug/l
RT: 2.975 min Scan# 185
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

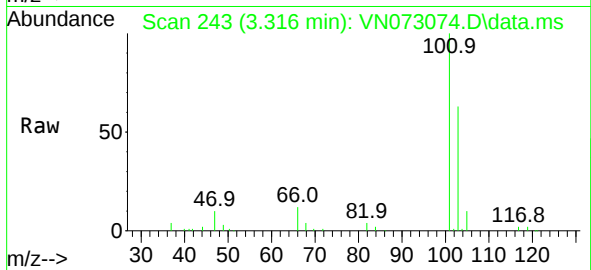
Tgt Ion: 64 Resp: 36363
Ion Ratio Lower Upper
64 100
66 28.8 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 20.069 ug/l
 RT: 3.316 min Scan# 244
 Delta R.T. -0.006 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

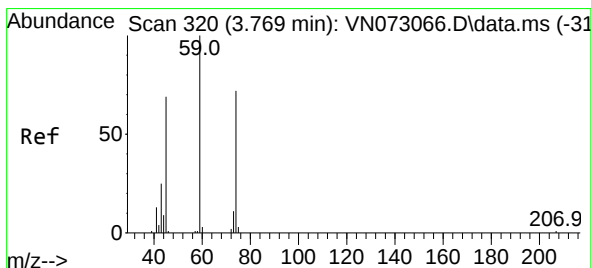
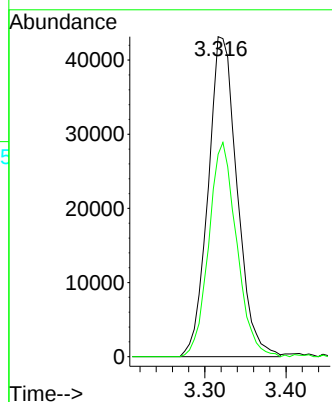
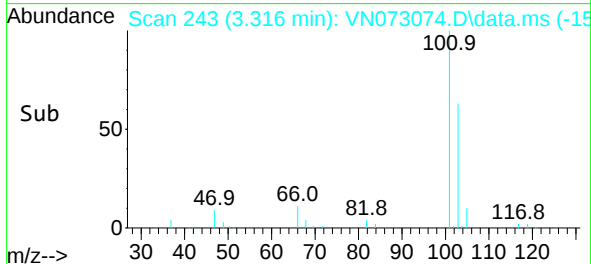
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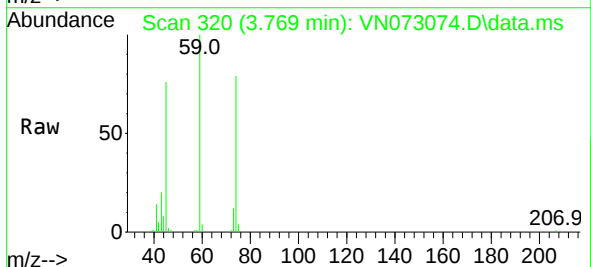
Tgt Ion:101 Resp: 107124
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.1 75.1

Manual Integrations
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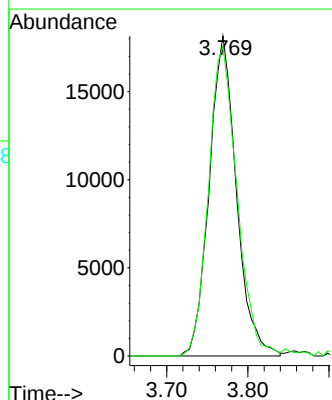
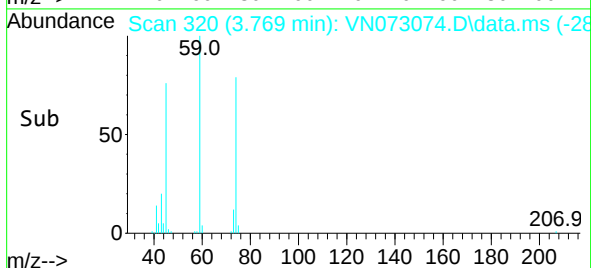
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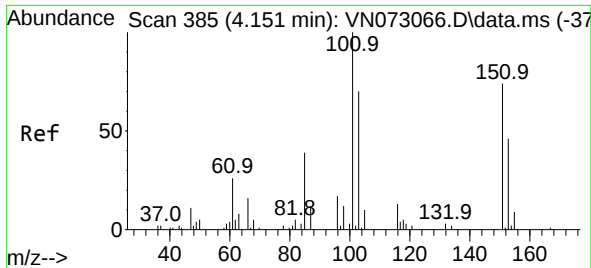


#8
 Diethyl Ether
 Concen: 19.324 ug/l
 RT: 3.769 min Scan# 320
 Delta R.T. 0.000 min
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 Acq: 24 Jun 2022 10:38



Tgt Ion: 74 Resp: 42213
 Ion Ratio Lower Upper
 74 100
 45 100.9 17.6 158.8





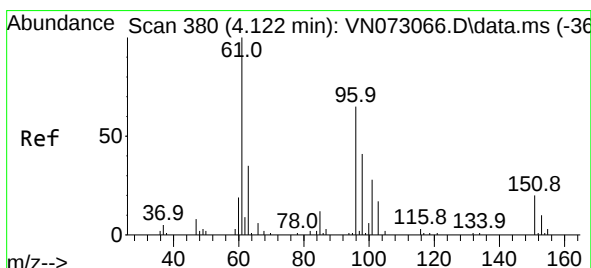
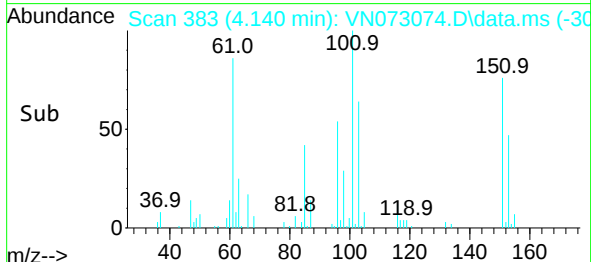
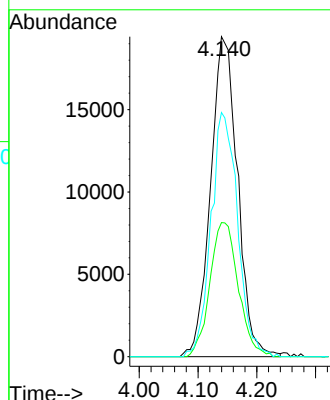
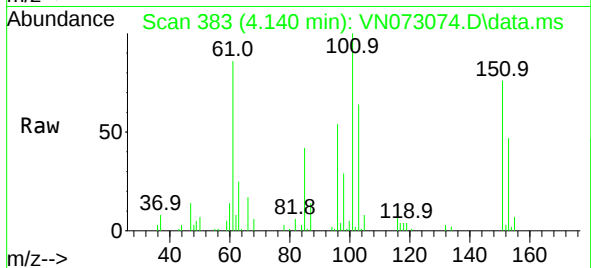
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1,1,2-Trichlorotrifluoroethane
Concen: 21.064 ug/l
RT: 4.140 min Scan# 385
Delta R.T. -0.012 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 6211
Ion Ratio Lower Upper
101 100
85 44.0 0.0 94.0
151 75.1 0.0 74.6

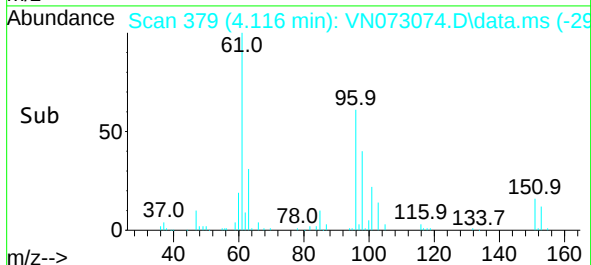
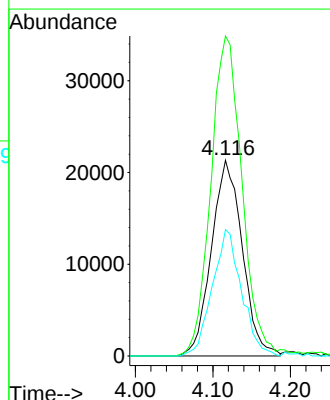
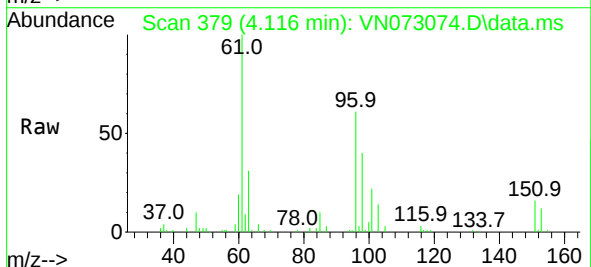
Manual Integrations
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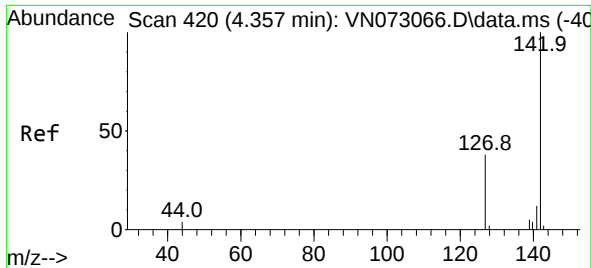
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#10
1,1-Dichloroethene
Concen: 19.607 ug/l
RT: 4.116 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

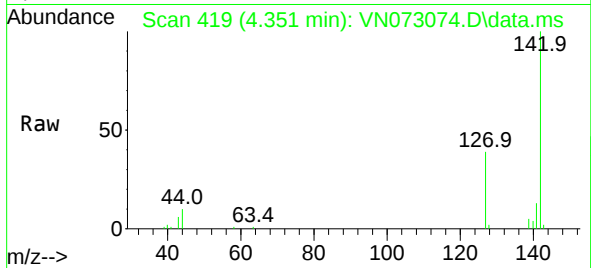
Tgt Ion: 96 Resp: 59172
Ion Ratio Lower Upper
96 100
61 162.7 126.2 189.4
98 64.6 50.9 76.3





#11
Methyl Iodide
Concen: 17.286 ug/l
RT: 4.351 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

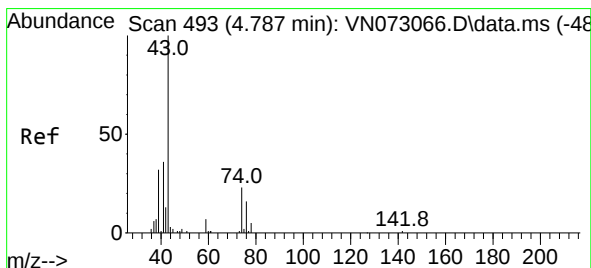
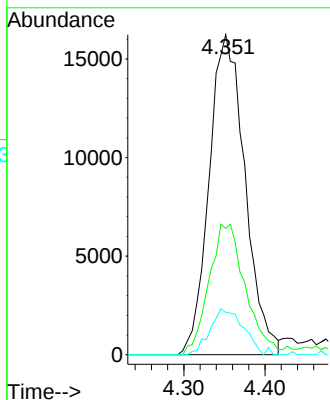
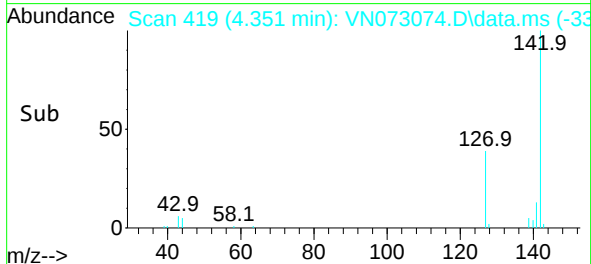
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 4976
Ion Ratio Lower Upper
142 100
127 39.6 24.0 72.0
141 13.5 8.4 25.2

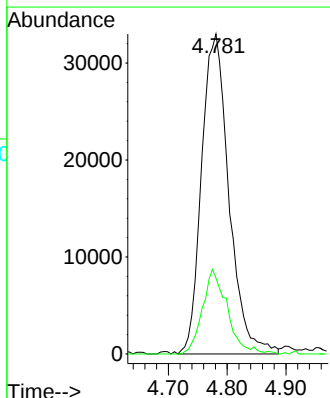
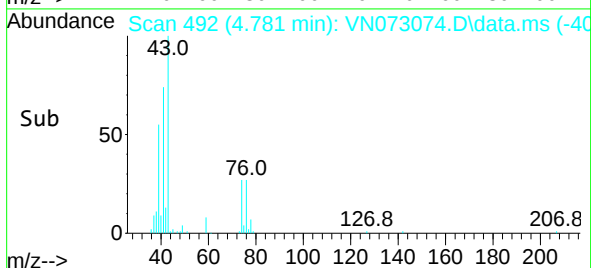
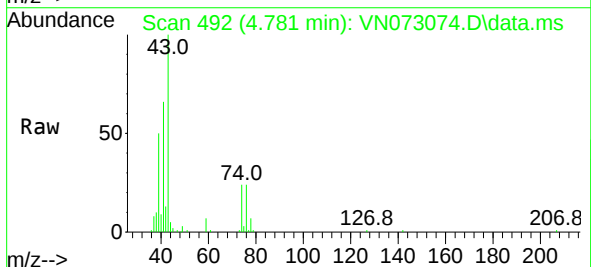
Manual Integrations
APPROVED

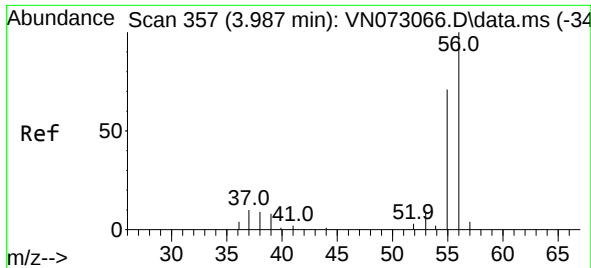
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#12
Methyl Acetate
Concen: 17.016 ug/l
RT: 4.781 min Scan# 492
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Tgt Ion: 43 Resp: 106938
Ion Ratio Lower Upper
43 100
74 23.9 20.8 31.2





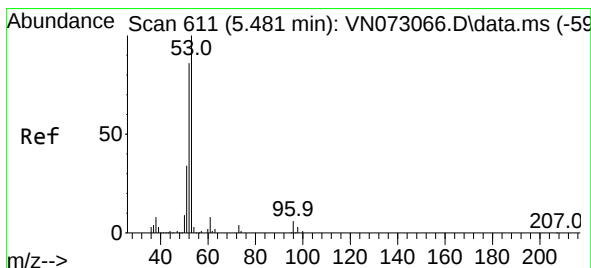
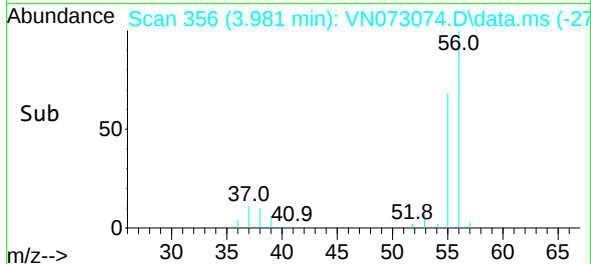
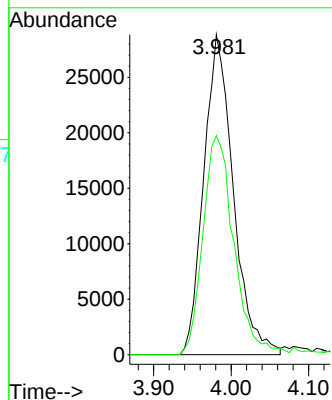
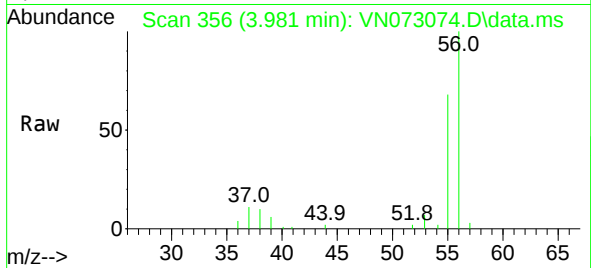
#13
Acrolein
Concen: 120.812 ug/l
RT: 3.981 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 76529
Ion Ratio Lower Upper
56 100
55 70.8 57.6 86.4

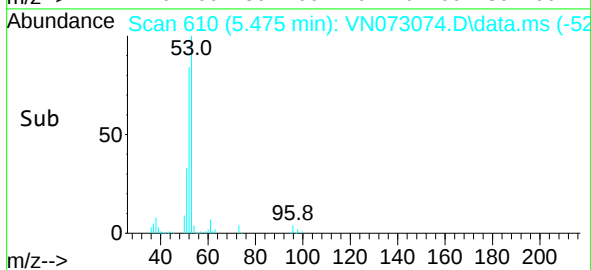
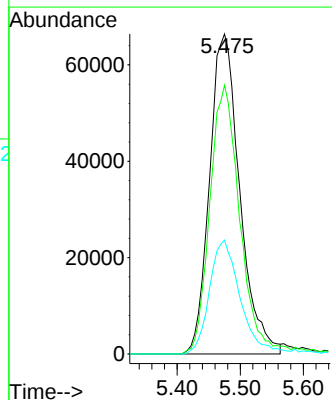
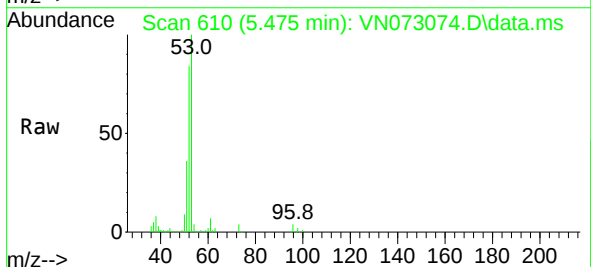
Manual Integrations
APPROVED

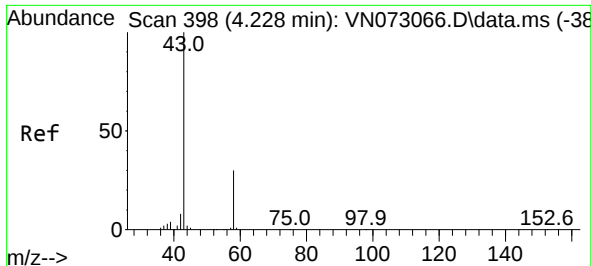
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#14
Acrylonitrile
Concen: 92.127 ug/l
RT: 5.475 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

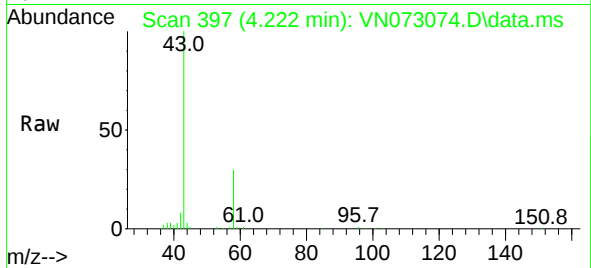
Tgt Ion: 53 Resp: 220582
Ion Ratio Lower Upper
53 100
52 81.8 41.8 125.4
51 35.5 19.0 57.0





#15
Acetone
Concen: 85.849 ug/l
RT: 4.222 min Scan# 398
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

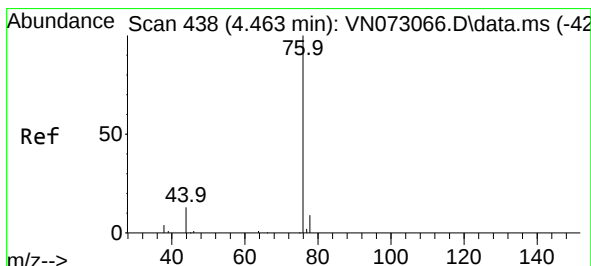
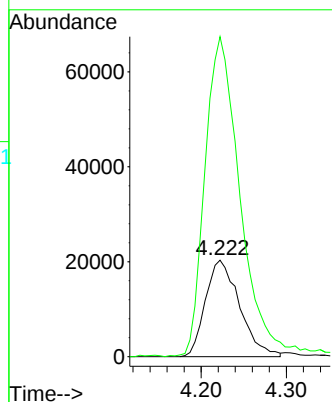
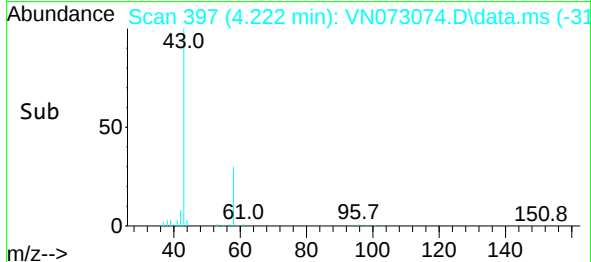
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



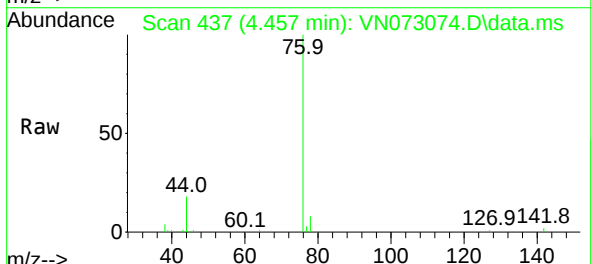
Tgt Ion: 58 Resp: 56698
Ion Ratio Lower Upper
58 100
43 329.9 256.6 384.8

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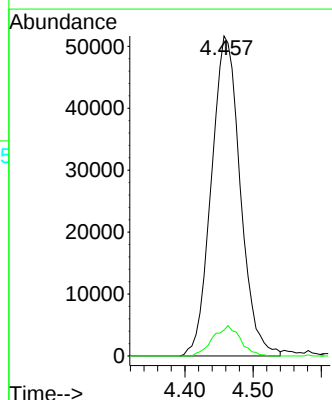
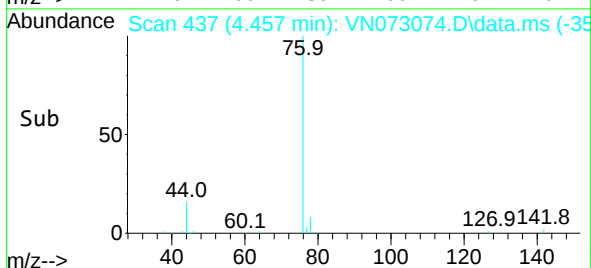
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

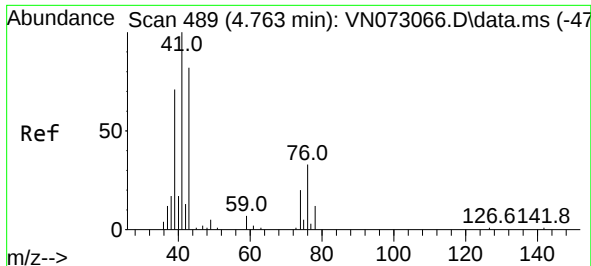


#16
Carbon Disulfide
Concen: 19.157 ug/l
RT: 4.457 min Scan# 437
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



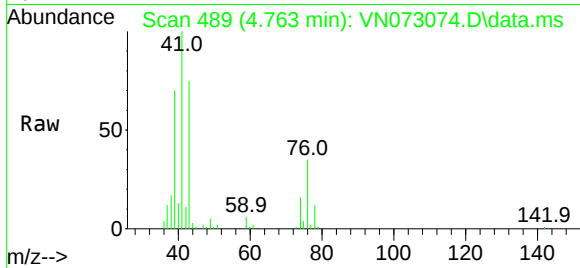
Tgt Ion: 76 Resp: 152449
Ion Ratio Lower Upper
76 100
78 8.1 7.8 11.8





#17
 Allyl chloride
 Concen: 20.613 ug/l
 RT: 4.763 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

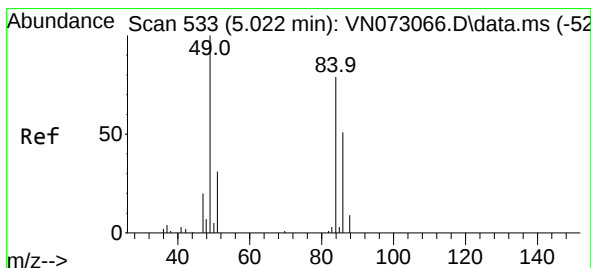
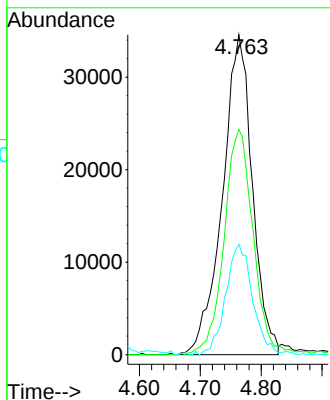
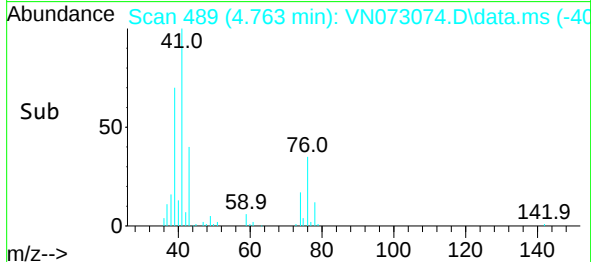
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 41 Resp: 118080
 Ion Ratio Lower Upper
 41 100
 39 70.4 44.6 134.0
 76 34.6 19.6 58.7

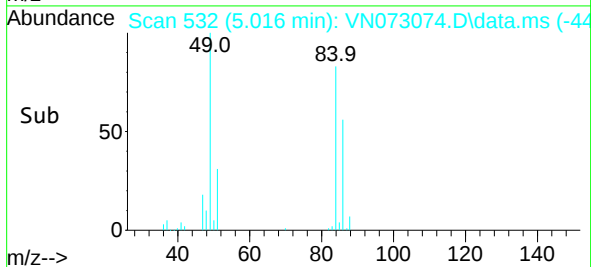
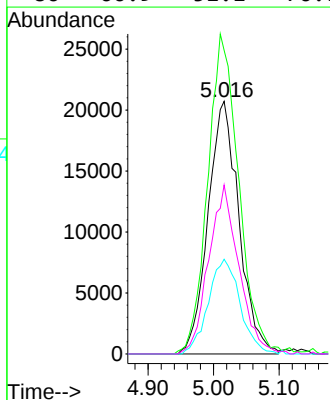
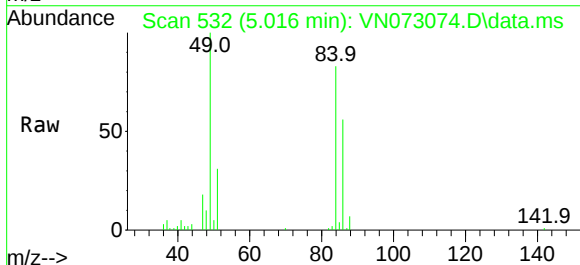
Manual Integrations
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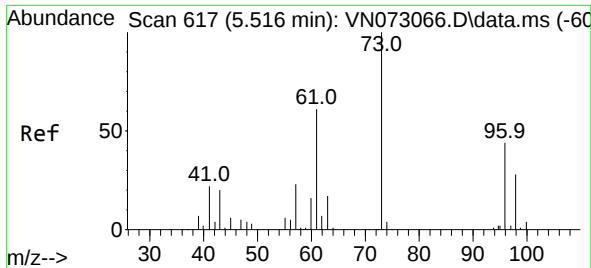
Reviewed By :John Carlone 06/25/2022
 Supervised By :Mahesh Dadoda 06/28/2022



#18
 Methylene Chloride
 Concen: 18.829 ug/l
 RT: 5.016 min Scan# 532
 Delta R.T. -0.006 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

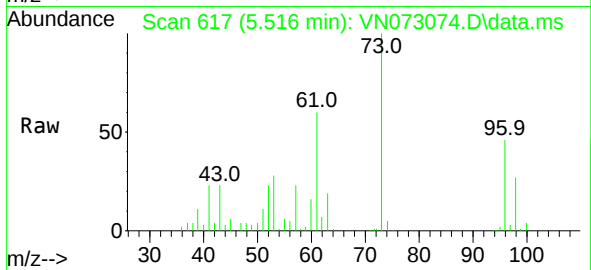
Tgt Ion: 84 Resp: 67768
 Ion Ratio Lower Upper
 84 100
 49 119.1 91.4 137.0
 51 37.5 29.4 44.0
 86 66.9 51.1 76.7





#19
trans-1,2-Dichloroethene
Concen: 19.294 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

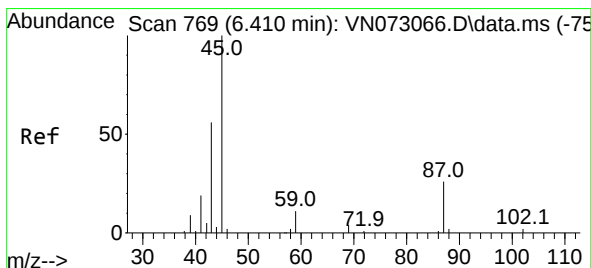
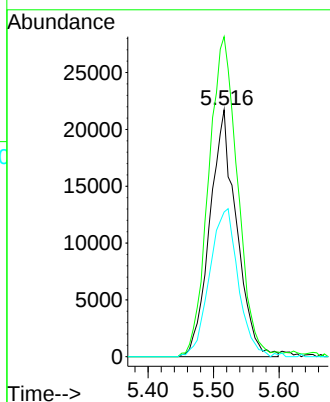
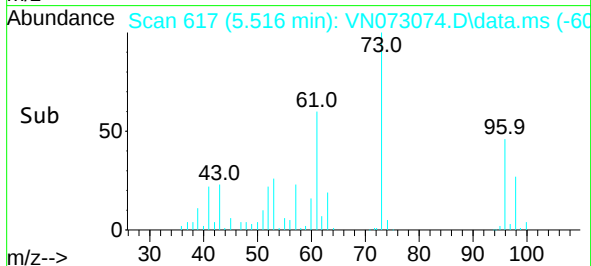
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



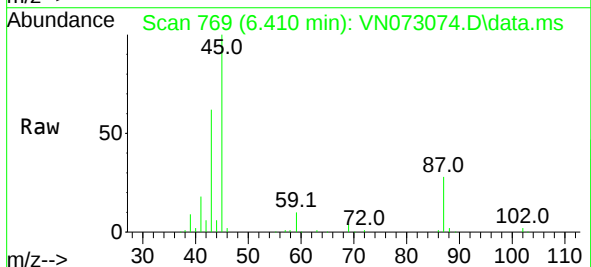
Tgt Ion: 96 Resp: 61449
Ion Ratio Lower Upper
96 100
61 129.7 102.8 154.2
98 58.6 49.3 73.9

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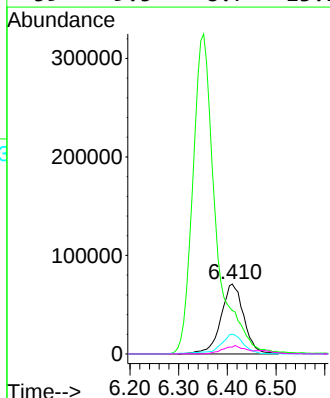
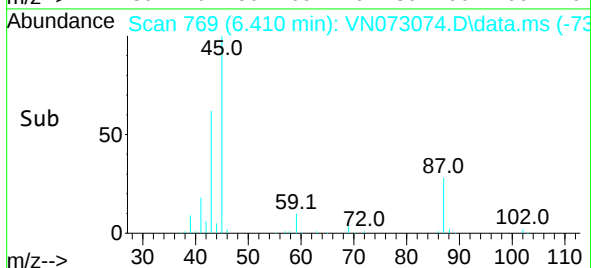
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

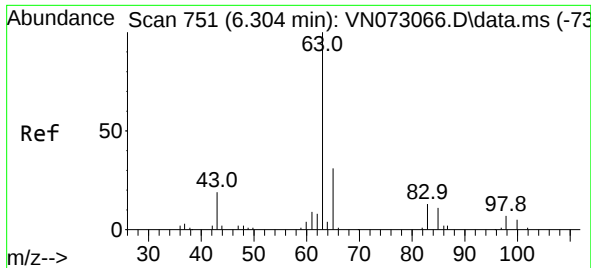


#20
Diisopropyl ether
Concen: 19.271 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 45 Resp: 232251
Ion Ratio Lower Upper
45 100
43 59.4 51.0 76.4
87 28.0 25.0 37.4
59 9.5 8.7 13.1





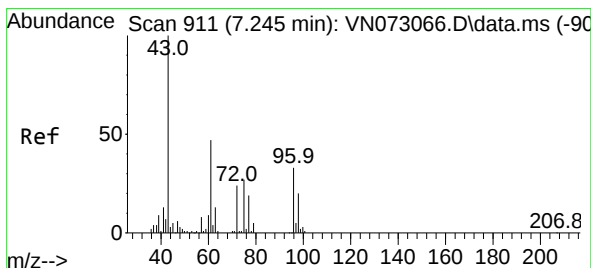
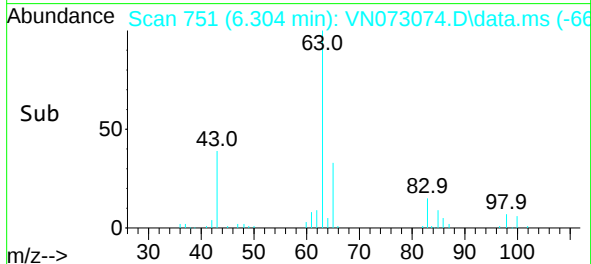
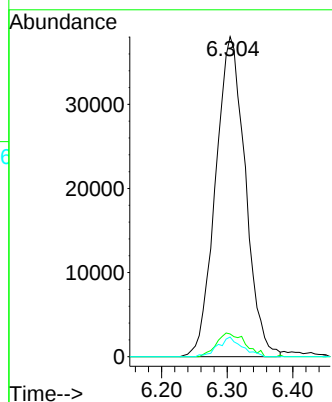
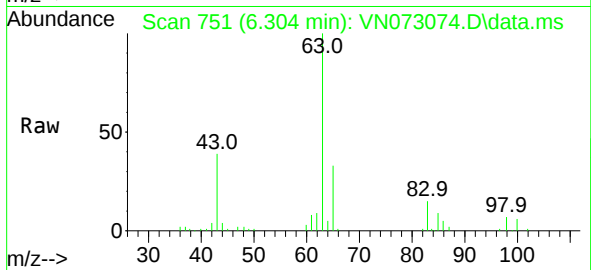
#21
1,1-Dichloroethane
Concen: 18.948 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 119825
Ion Ratio Lower Upper
63 100
98 7.1 3.2 9.6
100 6.1 2.1 6.2

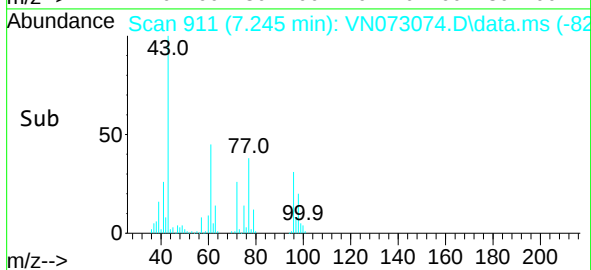
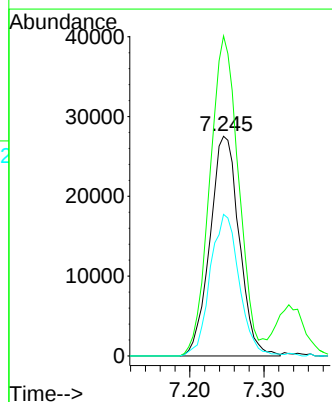
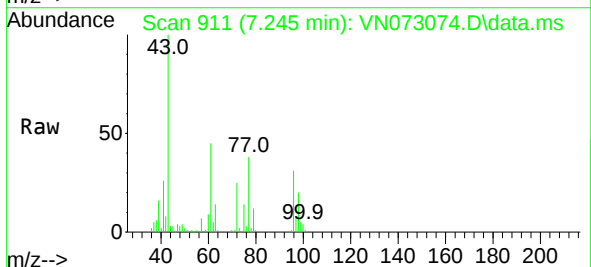
Manual Integrations
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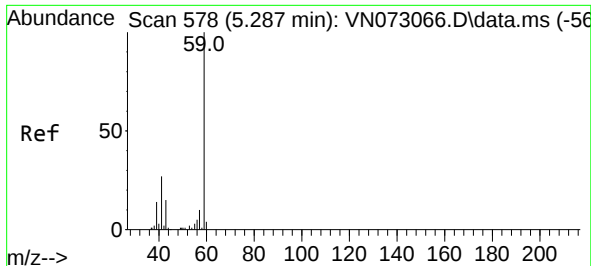
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#22
cis-1,2-Dichloroethene
Concen: 19.910 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

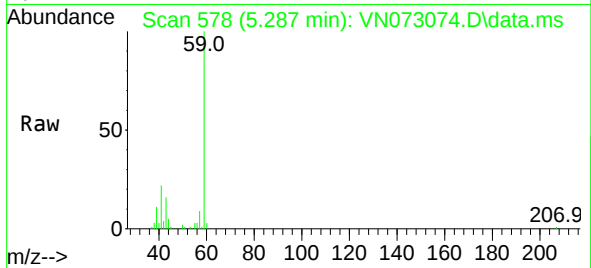
Tgt Ion: 96 Resp: 75397
Ion Ratio Lower Upper
96 100
61 143.0 115.7 173.5
98 64.0 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 84.951 ug/l
RT: 5.287 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

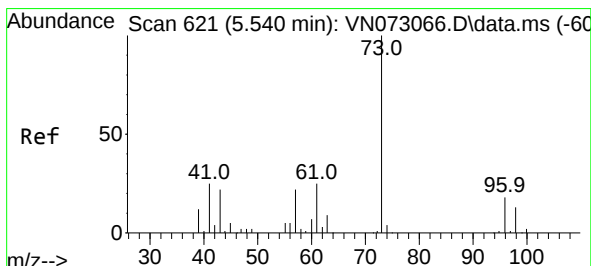
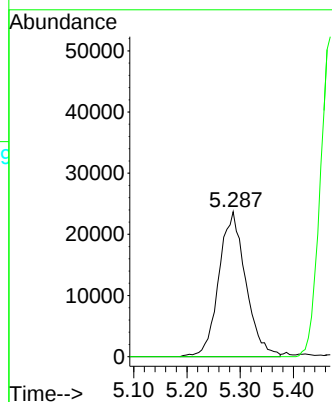
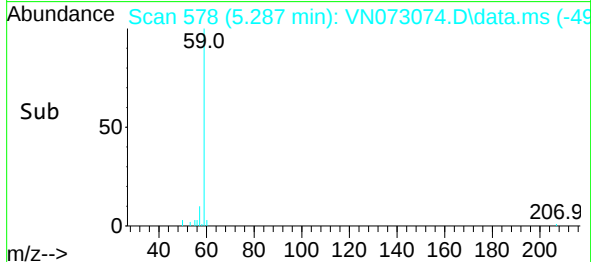
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



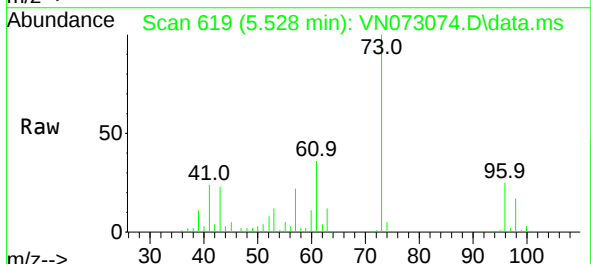
Tgt Ion: 59 Resp: 8305
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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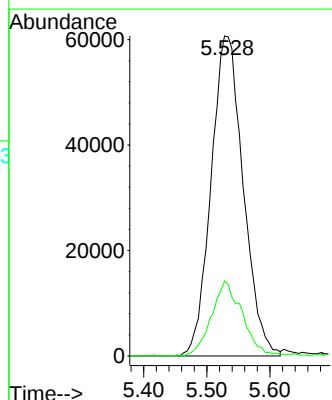
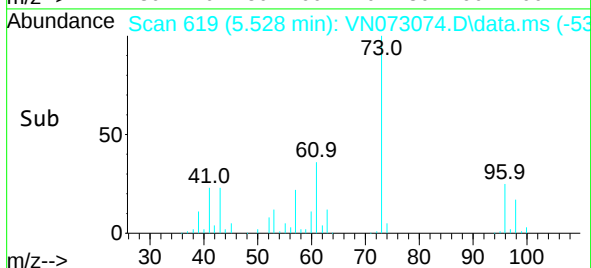
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

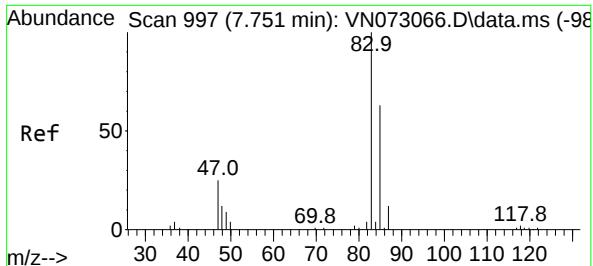


#24
Methyl tert-Butyl Ether
Concen: 19.039 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.012 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



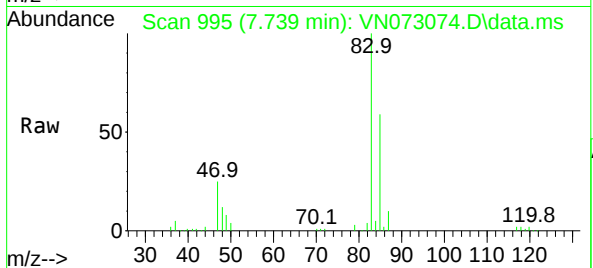
Tgt Ion: 73 Resp: 214339
Ion Ratio Lower Upper
73 100
43 22.2 18.1 27.1





#25
Chloroform
Concen: 19.326 ug/l
RT: 7.739 min Scan# 997
Delta R.T. -0.012 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

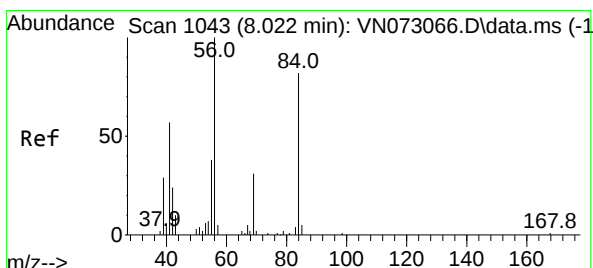
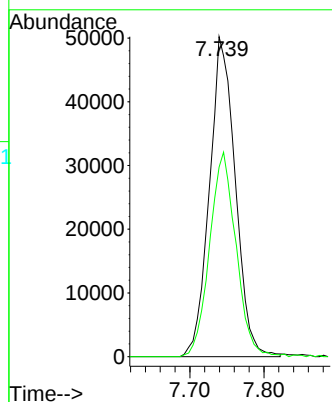
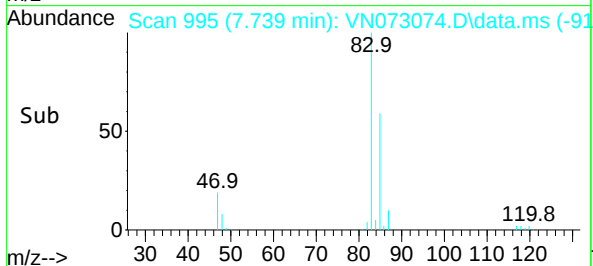
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 121619
Ion Ratio Lower Upper
83 100
85 59.2 51.3 76.9

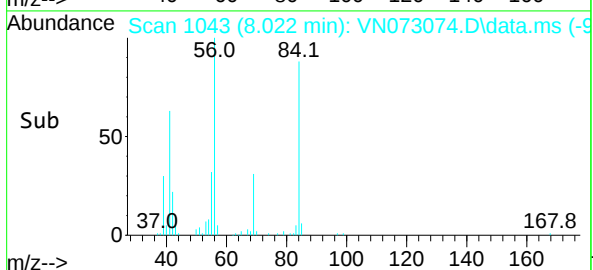
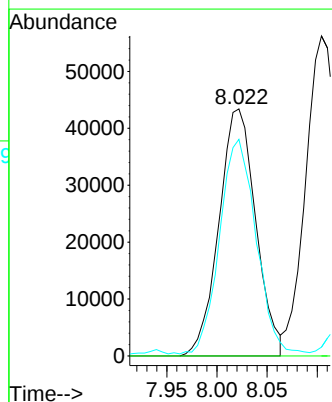
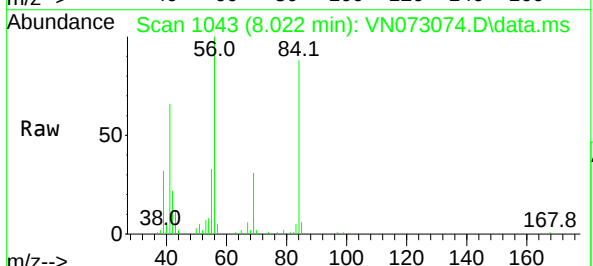
Manual Integrations
APPROVED

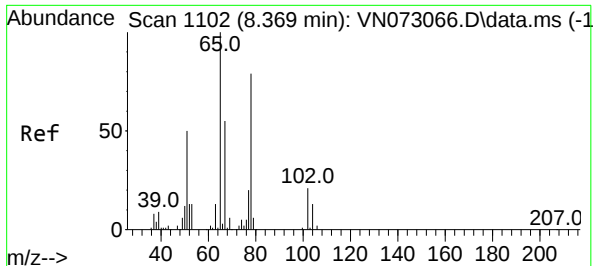
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#26
Cyclohexane
Concen: 20.067 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Tgt Ion: 56 Resp: 111099
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 88.2 74.6 111.8





#27

1,2-Dichloroethane-d4

Concen: 29.149 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073074.D

Acq: 24 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 123150

Ion Ratio Lower Upper

65 100

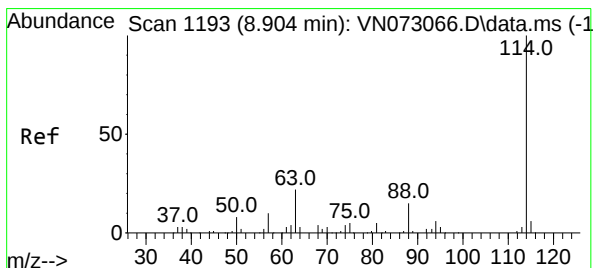
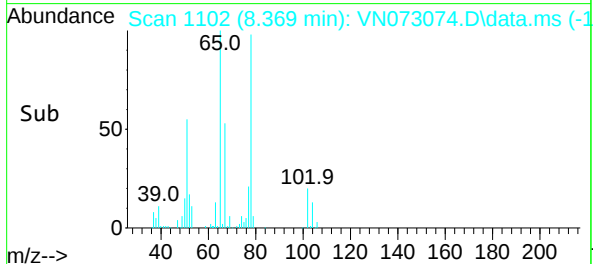
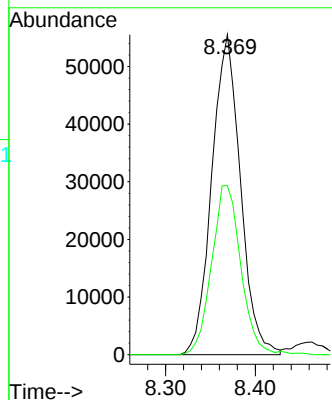
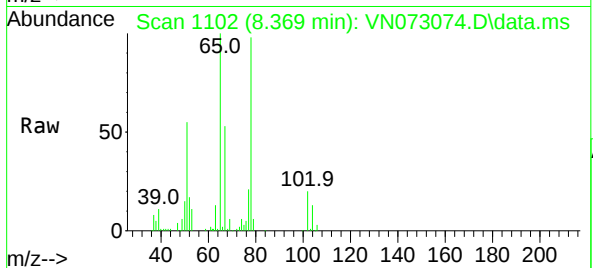
67 53.5 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2022

Supervised By :Mahesh Dadoda 06/28/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN073074.D

Acq: 24 Jun 2022 10:38

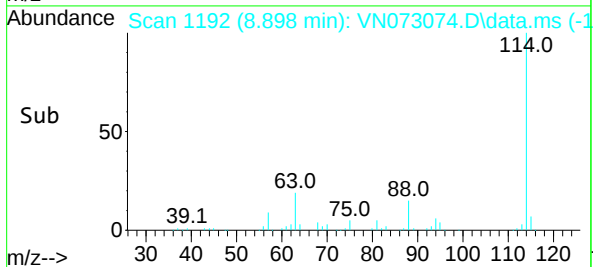
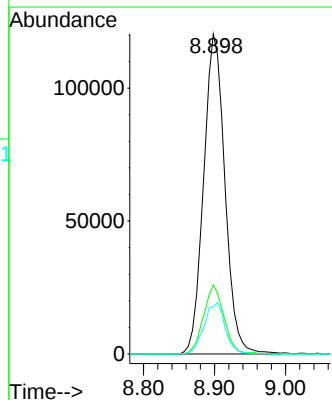
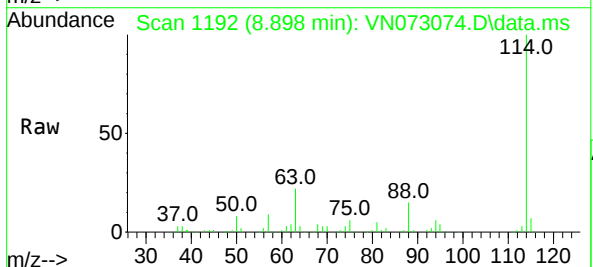
Tgt Ion:114 Resp: 251272

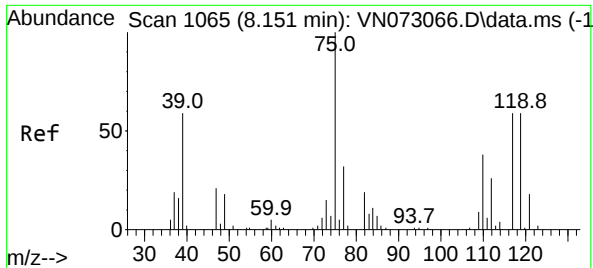
Ion Ratio Lower Upper

114 100

63 20.4 15.8 23.6

88 15.8 11.6 17.4





#29
1,1-Dichloropropene
Concen: 19.265 ug/l
RT: 8.145 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

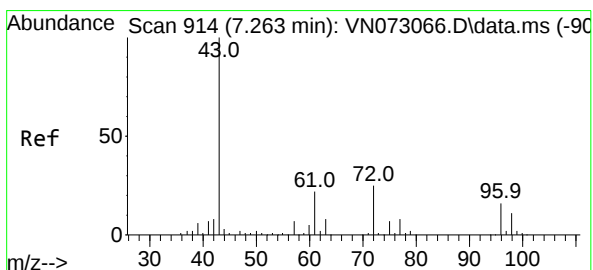
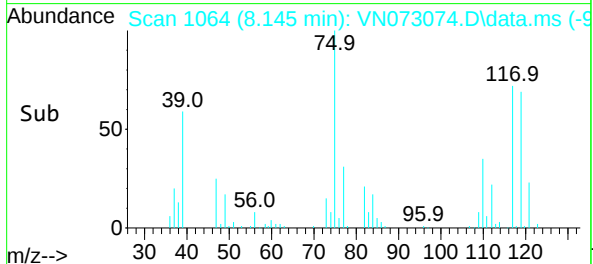
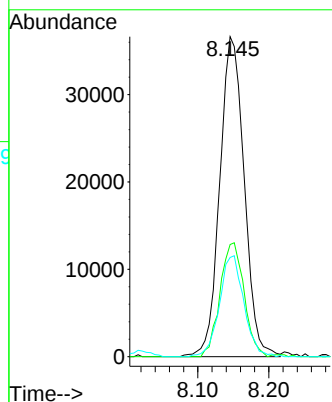
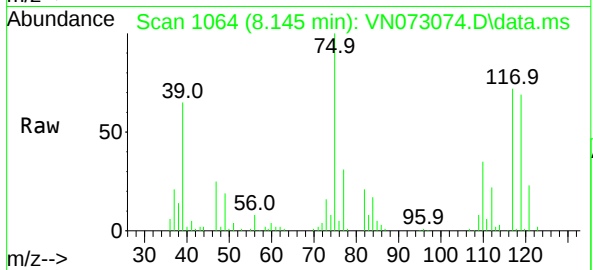
VSTDCCC020

Tgt Ion: 75 Resp: 8752
Ion Ratio Lower Upper
75 100
110 35.0 0.0 74.2
77 31.4 0.0 63.2

Manual Integrations

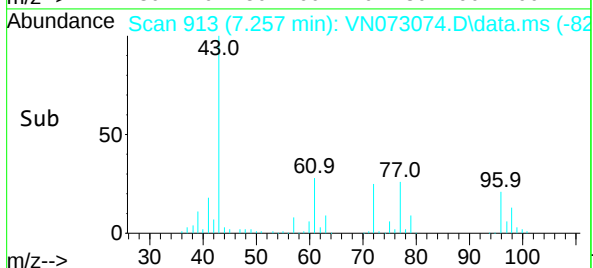
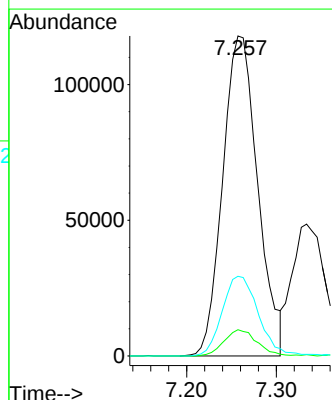
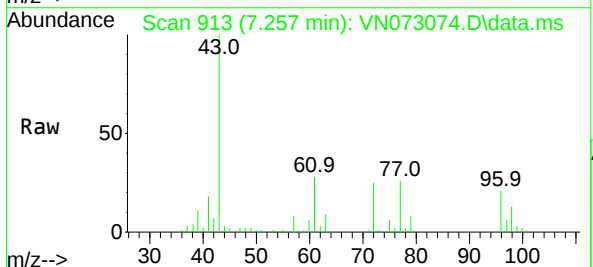
APPROVED

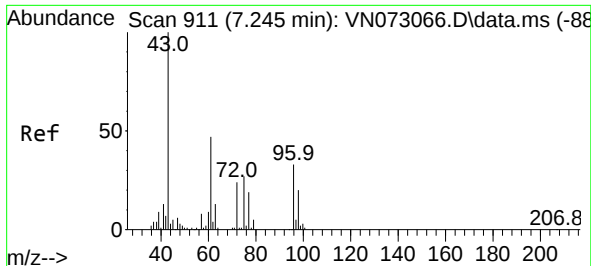
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#30
2-Butanone
Concen: 91.452 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

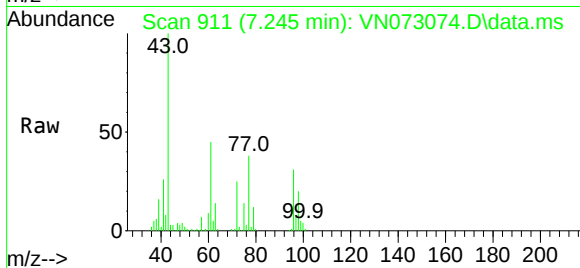
Tgt Ion: 43 Resp: 319967
Ion Ratio Lower Upper
43 100
57 7.7 6.7 10.1
72 25.5 23.2 34.8





#31
2,2-Dichloropropane
Concen: 47.263 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

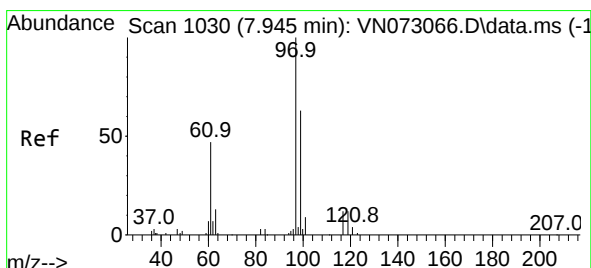
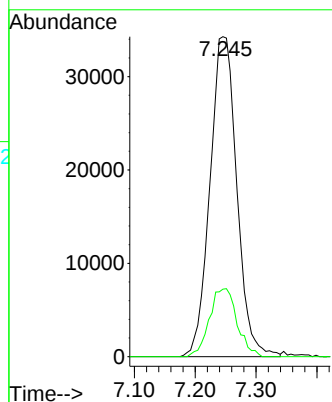
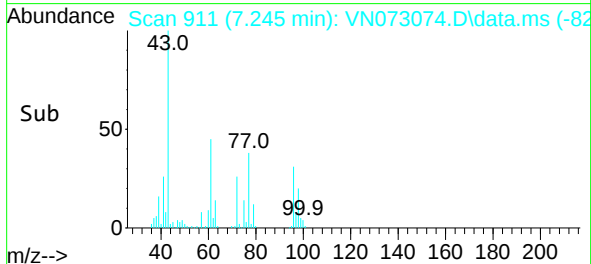
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



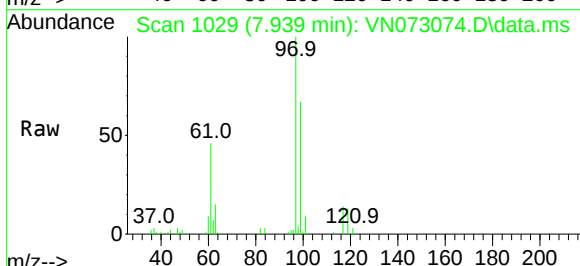
Tgt Ion: 77 Resp: 105100
Ion Ratio Lower Upper
77 100
97 0.0 18.3 27.5

Manual Integrations
APPROVED

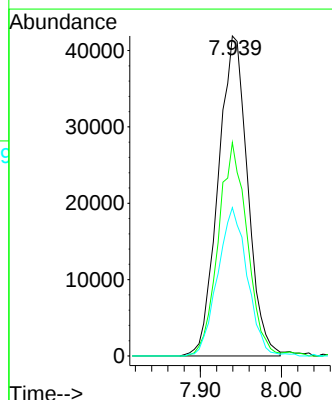
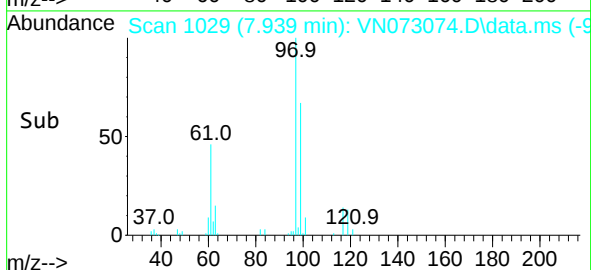
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

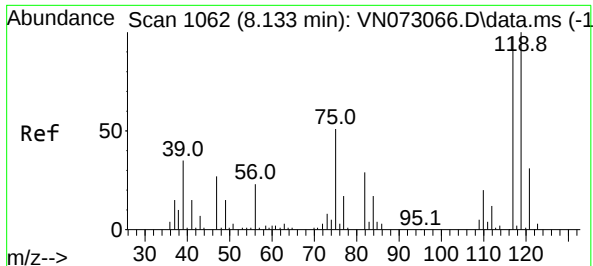


#32
1,1,1-Trichloroethane
Concen: 18.932 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



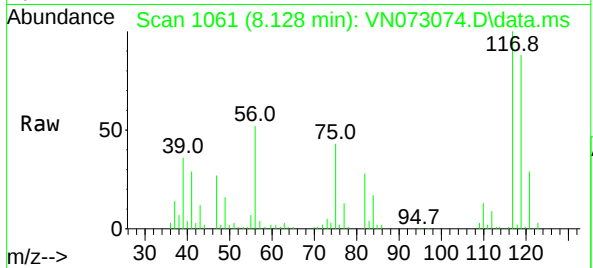
Tgt Ion: 97 Resp: 105679
Ion Ratio Lower Upper
97 100
99 65.1 50.4 75.6
61 46.4 34.6 51.8





#33
Carbon Tetrachloride
Concen: 19.445 ug/l
RT: 8.128 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

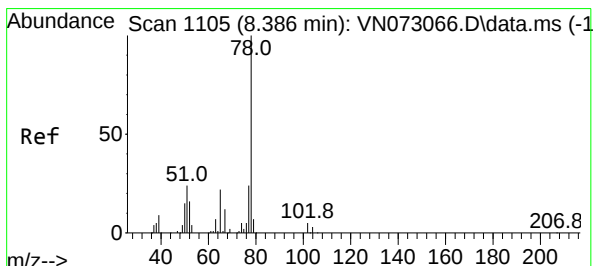
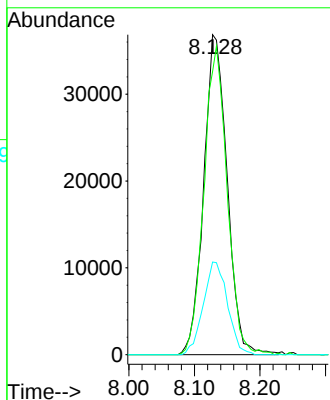
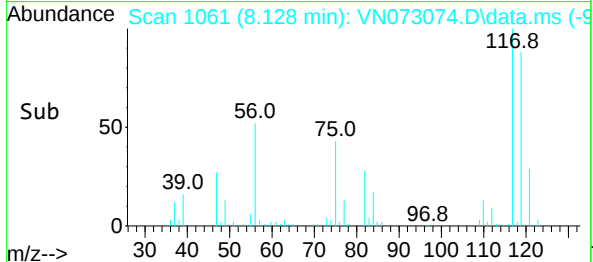
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



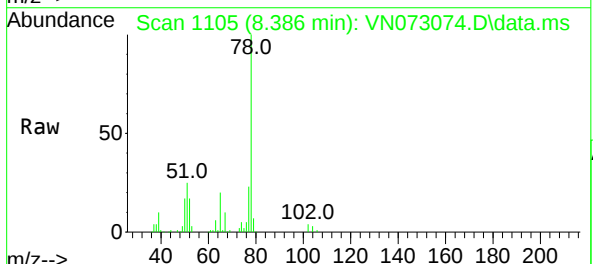
Tgt Ion:117 Resp: 91770
Ion Ratio Lower Upper
117 100
119 88.5 77.5 116.3
121 29.0 23.5 35.3

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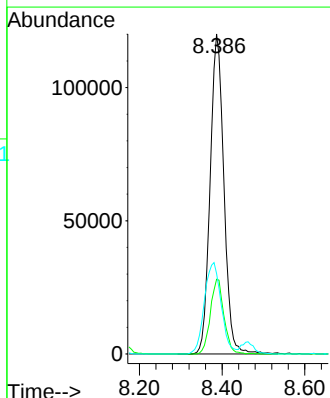
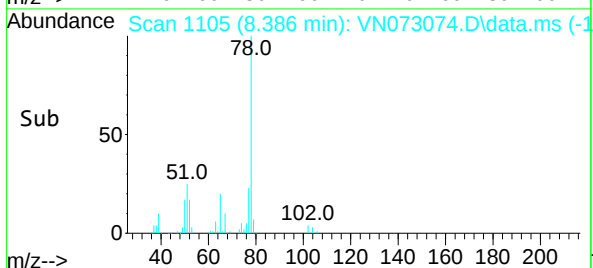
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

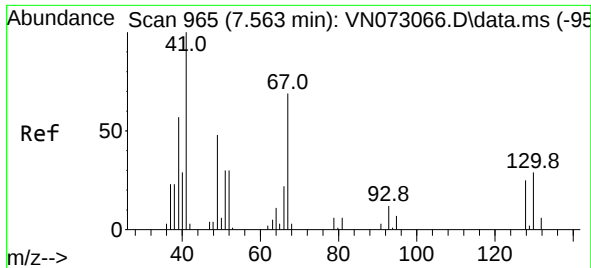


#34
Benzene
Concen: 19.633 ug/l m
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



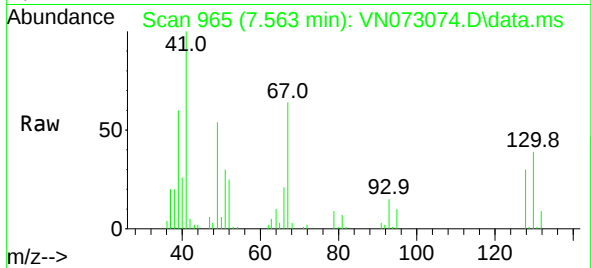
Tgt Ion: 78 Resp: 277613
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7
51 25.1 16.0 24.0#





#35
Methacrylonitrile
Concen: 20.808 ug/l
RT: 7.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

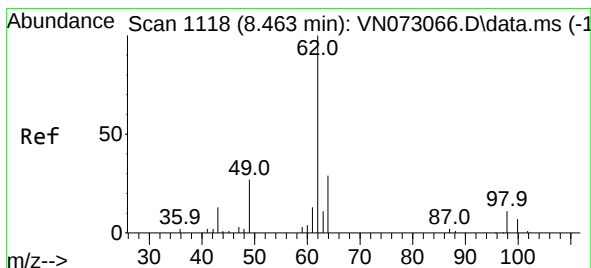
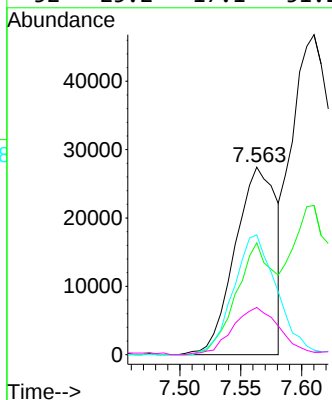
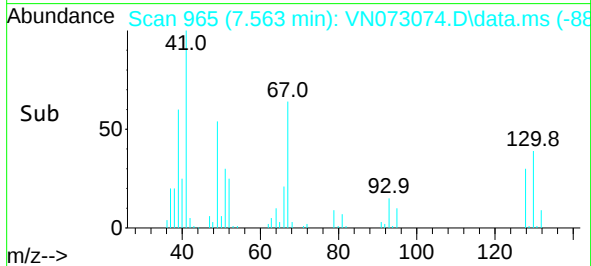
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



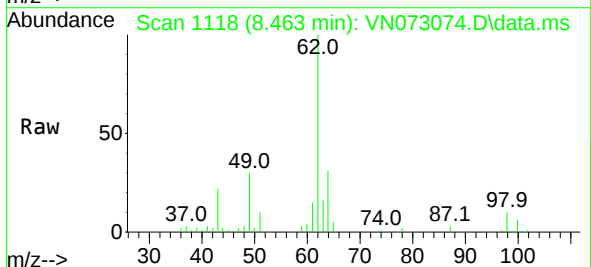
Tgt Ion: 41 Resp: 6476
Ion Ratio Lower Upper
41 100
39 59.7 28.0 83.9
67 63.9 37.7 113.1
52 25.2 17.1 51.2

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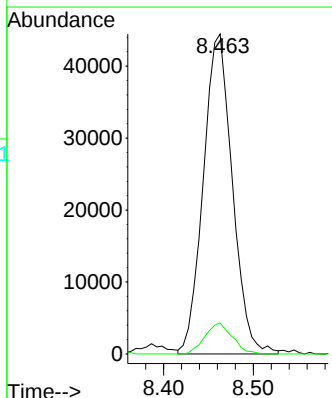
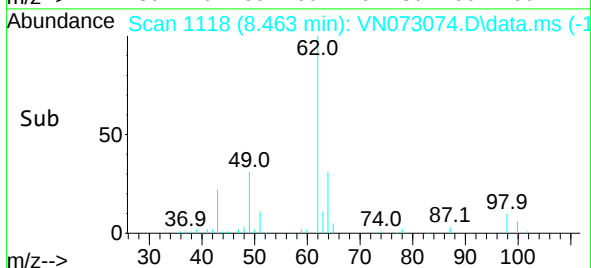
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

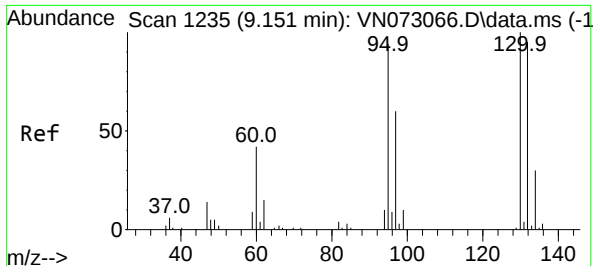


#36
1,2-Dichloroethane
Concen: 19.091 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



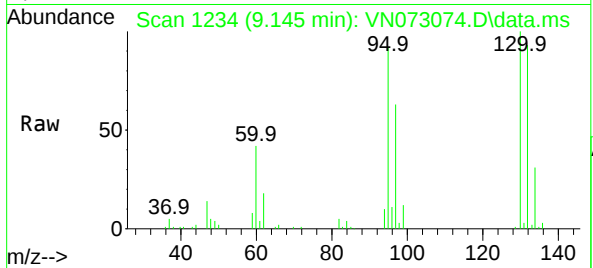
Tgt Ion: 62 Resp: 100048
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#37
Trichloroethene
Concen: 19.500 ug/l
RT: 9.145 min Scan# 1235
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

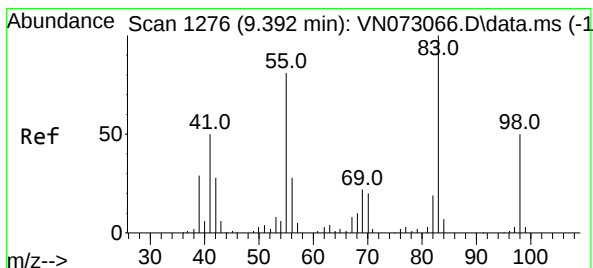
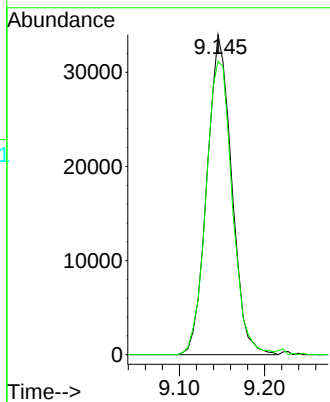
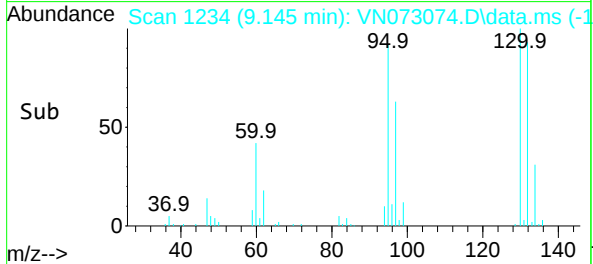
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



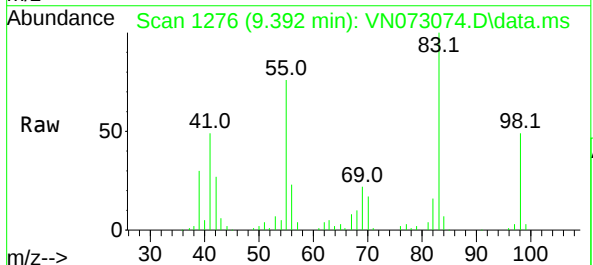
Tgt Ion:130 Resp: 68620
Ion Ratio Lower Upper
130 100
95 91.8 76.6 115.0

Manual Integrations
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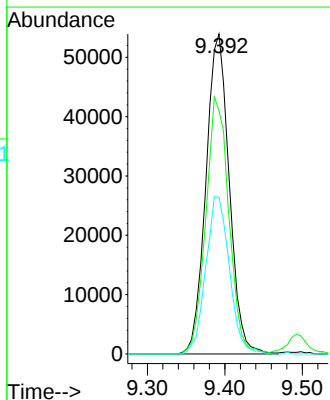
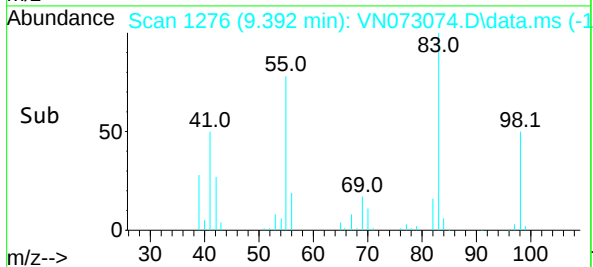
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

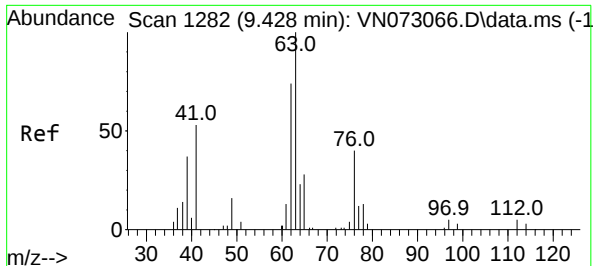


#38
Methylcyclohexane
Concen: 20.914 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 83 Resp: 112528
Ion Ratio Lower Upper
83 100
55 79.6 35.1 105.3
98 49.9 23.4 70.2





#39

1,2-Dichloropropane

Concen: 19.413 ug/l

RT: 9.422 min Scan# 1281

Delta R.T. -0.006 min

Lab File: VN073074.D

Acq: 24 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 70980

Ion Ratio Lower Upper

63 100

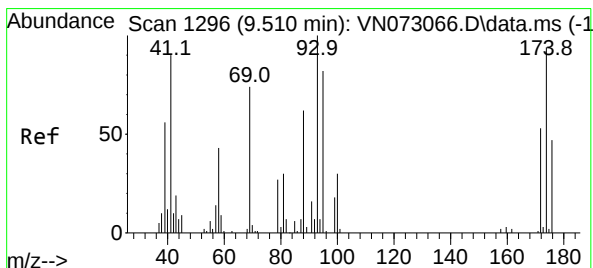
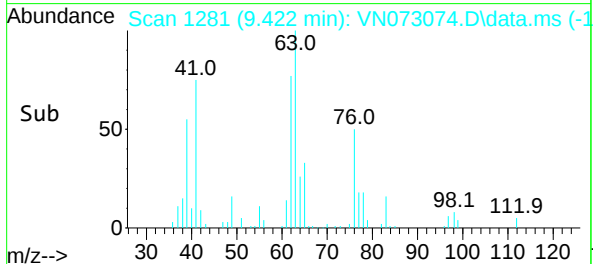
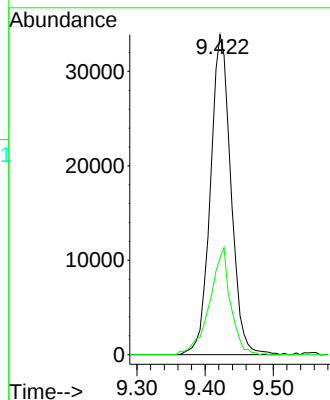
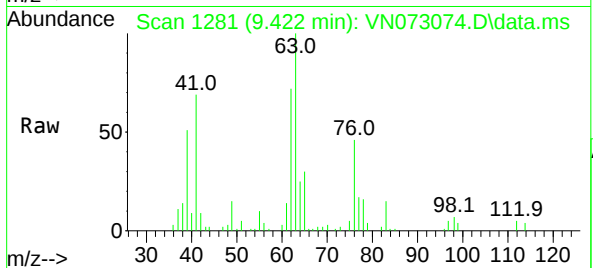
65 30.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2022

Supervised By :Mahesh Dadoda 06/28/2022



#40

Dibromomethane

Concen: 19.368 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VN073074.D

Acq: 24 Jun 2022 10:38

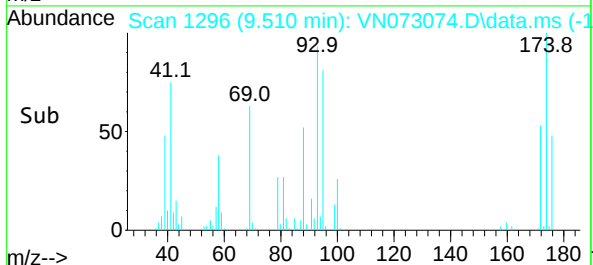
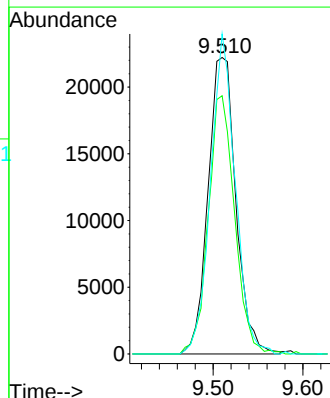
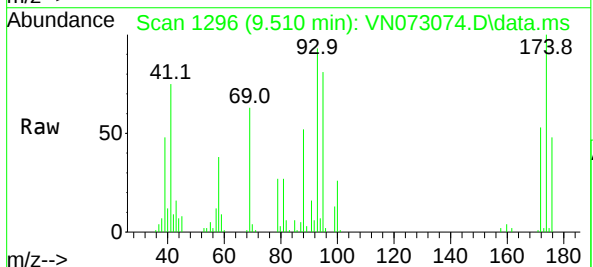
Tgt Ion: 93 Resp: 47921

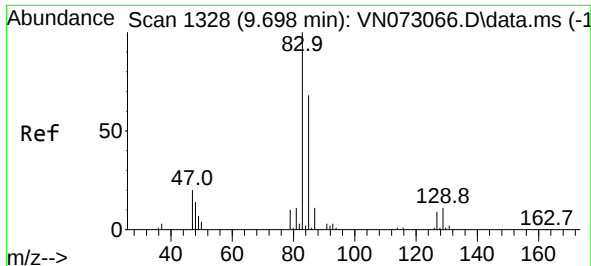
Ion Ratio Lower Upper

93 100

95 82.0 0.0 168.8

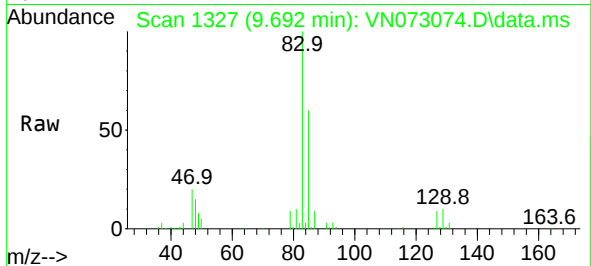
174 95.4 0.0 173.6





#41
Bromodichloromethane
Concen: 18.711 ug/l
RT: 9.692 min Scan# 1327
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

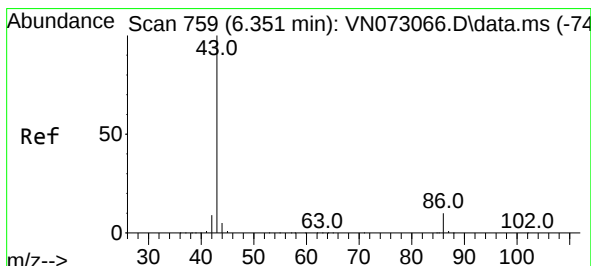
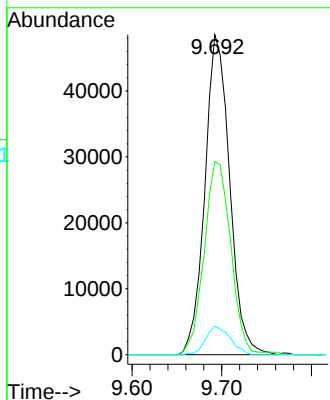
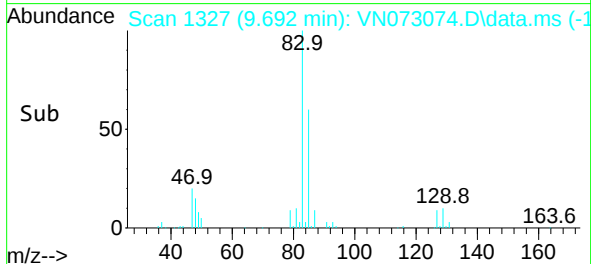
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



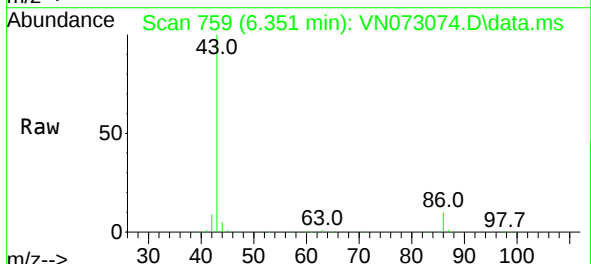
Tgt Ion: 83 Resp: 93140
Ion Ratio Lower Upper
83 100
85 60.4 54.1 81.1
127 8.9 7.6 11.4

Manual Integrations
APPROVED

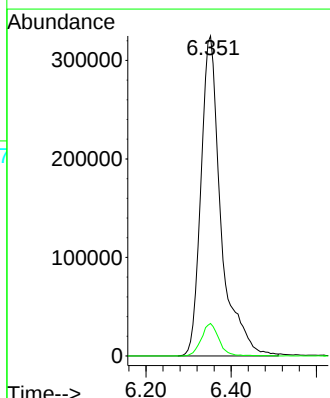
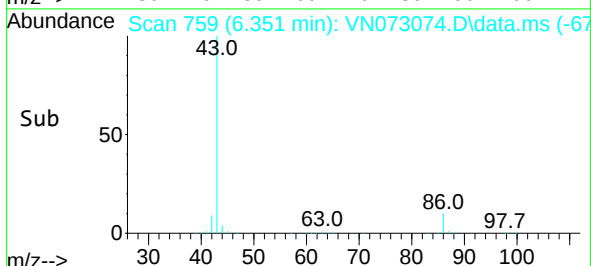
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

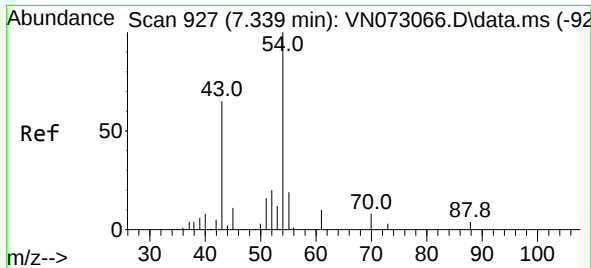


#42
Vinyl Acetate
Concen: 97.901 ug/l
RT: 6.351 min Scan# 759
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 43 Resp: 1059076
Ion Ratio Lower Upper
43 100
86 8.8 7.5 11.3





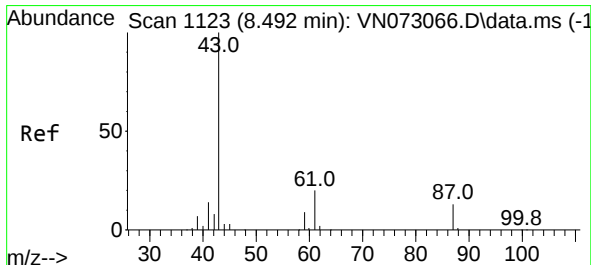
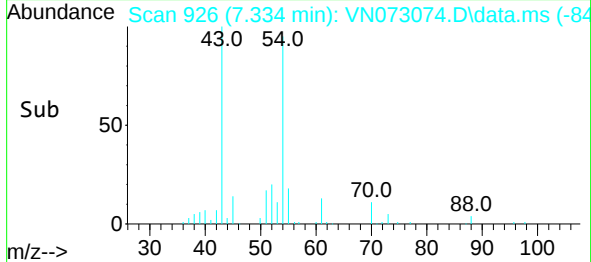
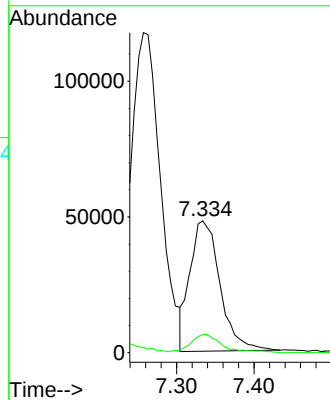
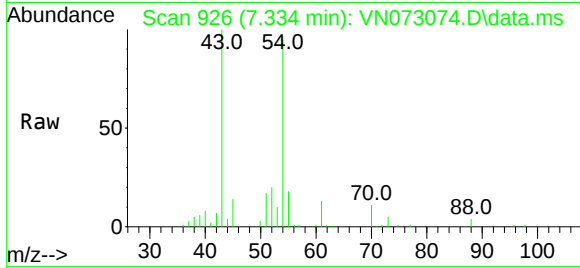
#43
Ethyl Acetate
Concen: 19.594 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 129108
Ion Ratio Lower Upper
43 100
45 12.3 10.6 16.0

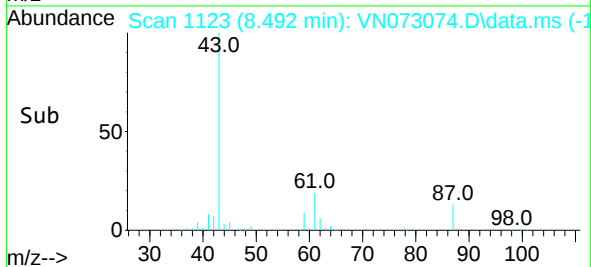
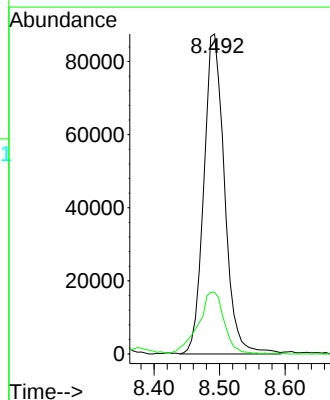
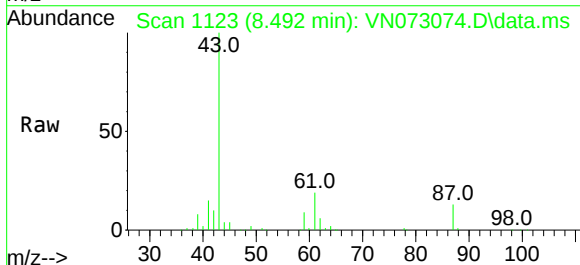
Manual Integrations
APPROVED

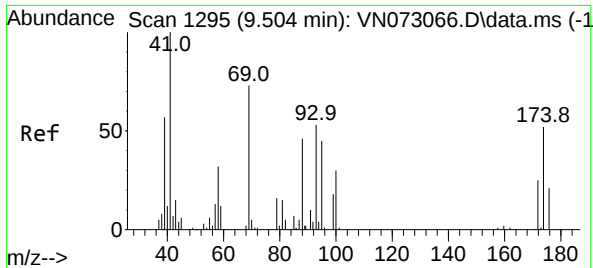
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#44
Isopropyl Acetate
Concen: 18.870 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

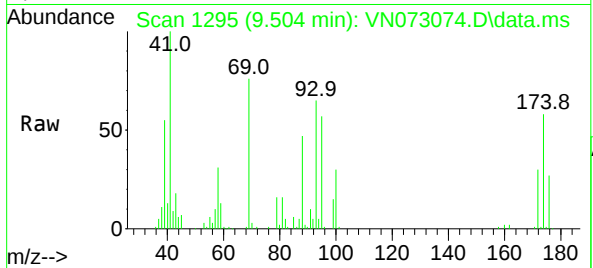
Tgt Ion: 43 Resp: 191999
Ion Ratio Lower Upper
43 100
61 24.4 20.1 30.1





#45
1,4-Dioxane
Concen: 348.879 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

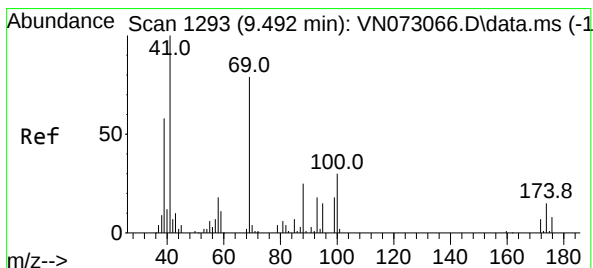
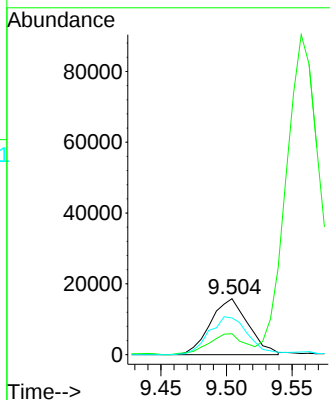
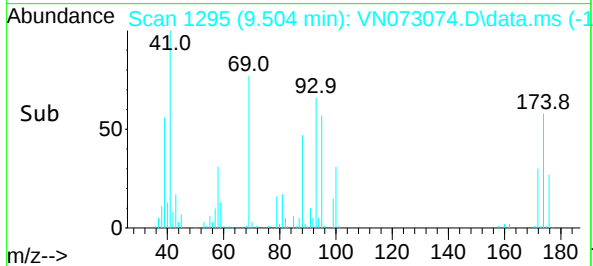
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



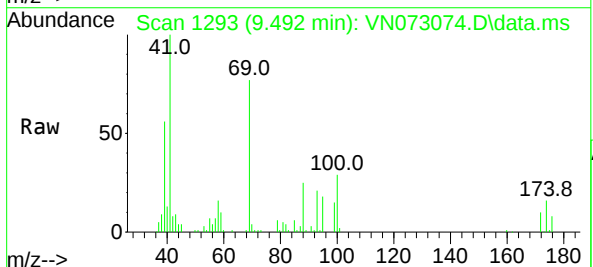
Tgt Ion: 88 Resp: 31620
Ion Ratio Lower Upper
88 100
43 36.2 25.0 37.6
58 70.3 49.4 74.2

Manual Integrations
APPROVED

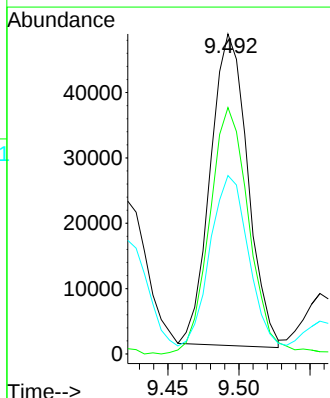
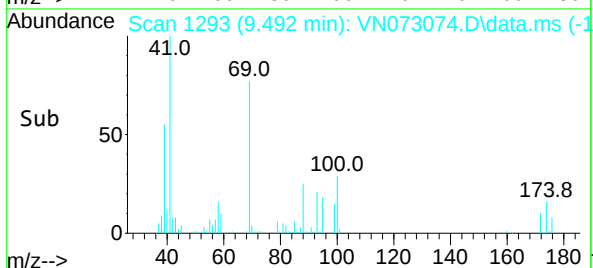
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

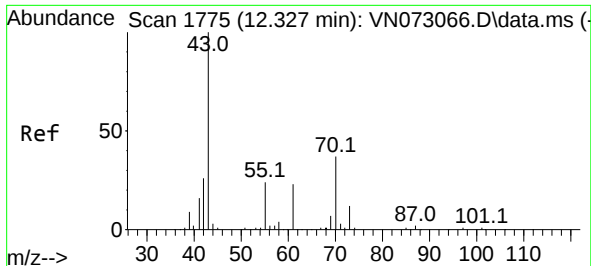


#46
Methyl methacrylate
Concen: 18.839 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



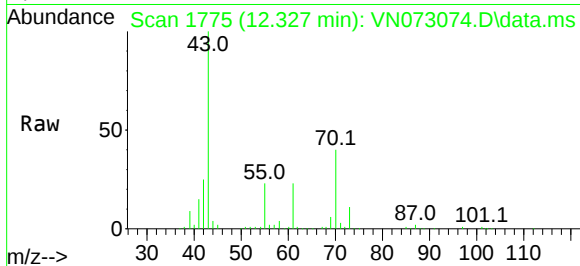
Tgt Ion: 41 Resp: 87225
Ion Ratio Lower Upper
41 100
69 78.3 44.4 133.2
39 55.1 39.9 119.6





#47
n-amyl acetate
Concen: 19.020 ug/l
RT: 12.327 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

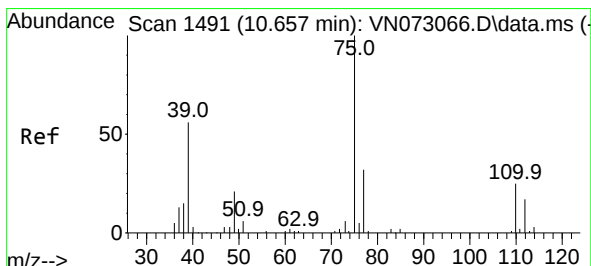
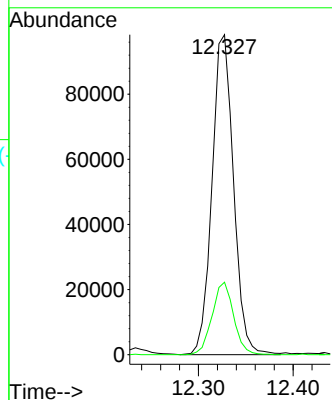
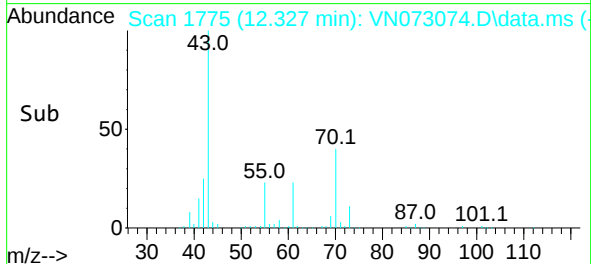
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



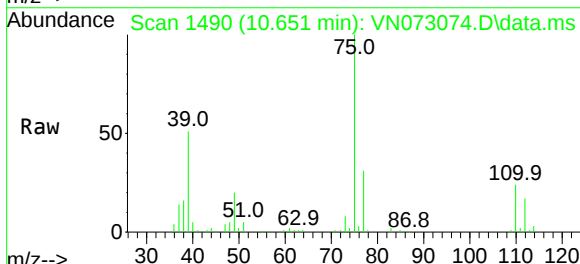
Tgt Ion: 43 Resp: 155094
Ion Ratio Lower Upper
43 100
55 22.7 19.0 28.6

Manual Integrations
APPROVED

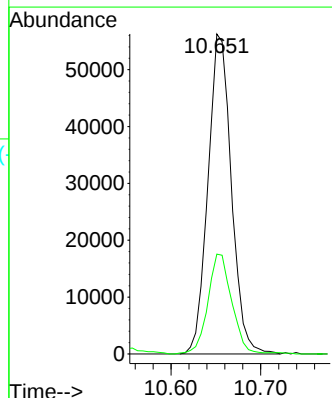
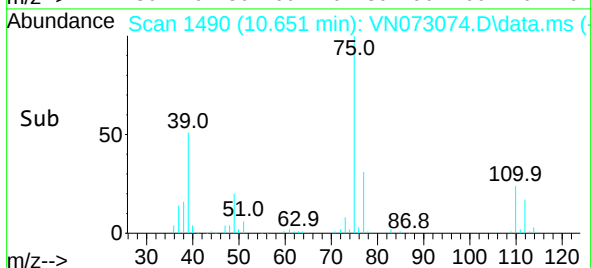
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

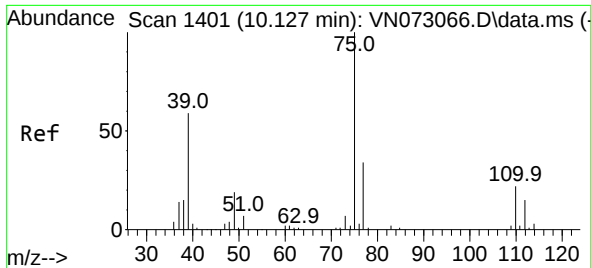


#48
t-1,3-Dichloropropene
Concen: 21.862 ug/l
RT: 10.651 min Scan# 1490
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



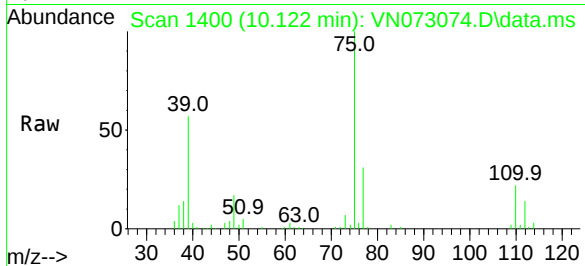
Tgt Ion: 75 Resp: 101786
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 21.960 ug/l
 RT: 10.122 min Scan# 1401
 Delta R.T. -0.006 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

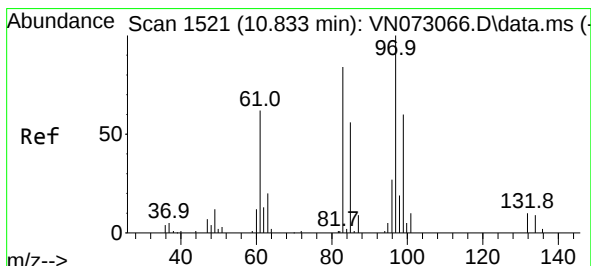
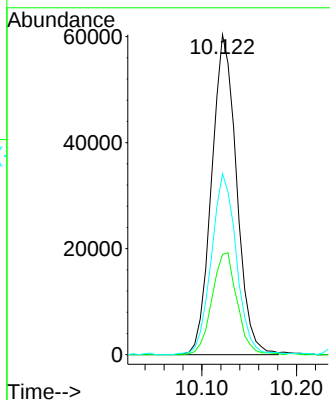
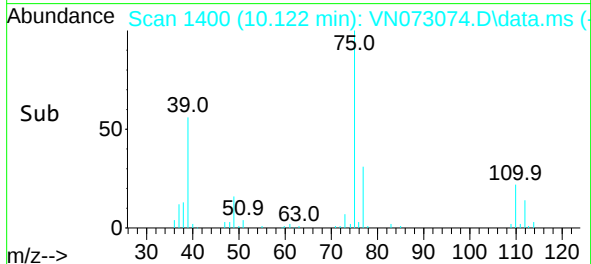
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 110714
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 56.2 46.2 69.4

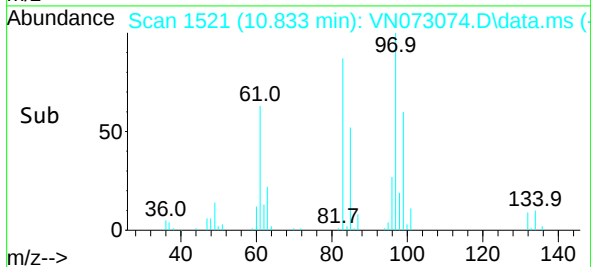
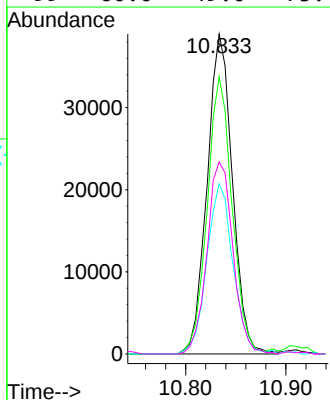
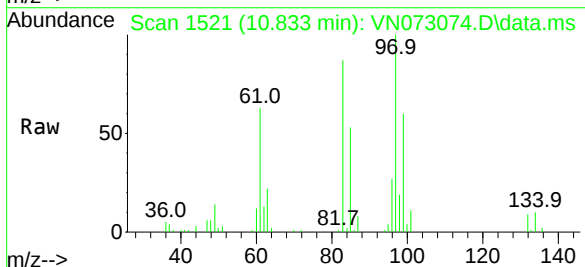
Manual Integrations
 APPROVED

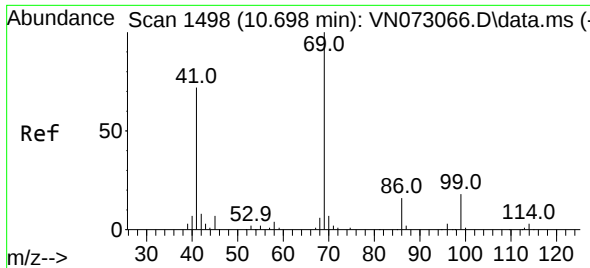
Reviewed By :John Carlone 06/25/2022
 Supervised By :Mahesh Dadoda 06/28/2022



#50
 1,1,2-Trichloroethane
 Concen: 19.099 ug/l
 RT: 10.833 min Scan# 1521
 Delta R.T. 0.000 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

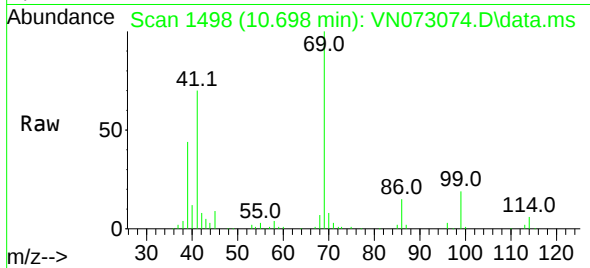
Tgt Ion: 97 Resp: 68455
 Ion Ratio Lower Upper
 97 100
 83 86.6 67.2 100.8
 85 53.2 43.0 64.4
 99 60.0 49.0 73.4





#51
Ethyl methacrylate
Concen: 18.920 ug/l
RT: 10.698 min Scan# 1498
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

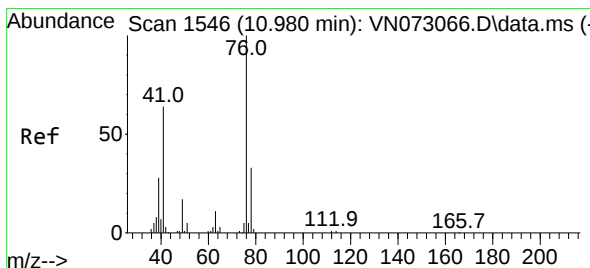
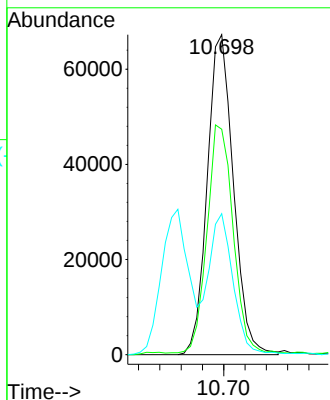
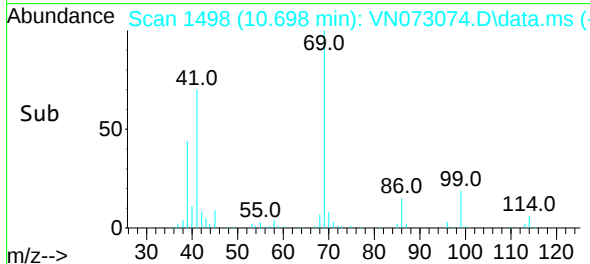
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



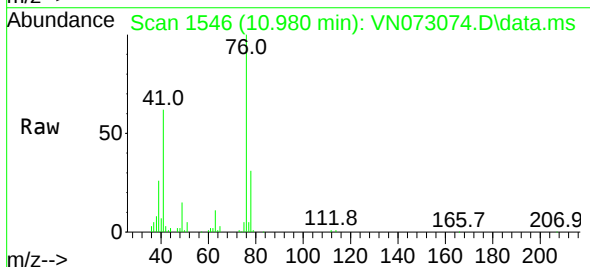
Tgt Ion: 69 Resp: 11484
Ion Ratio Lower Upper
69 100
41 69.8 33.0 98.9
39 43.6 25.4 76.4

Manual Integrations
APPROVED

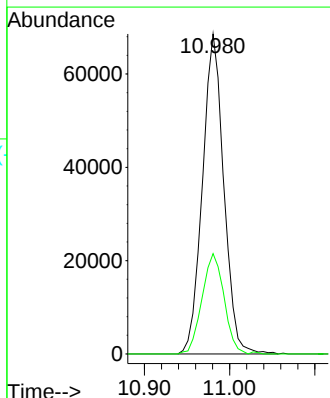
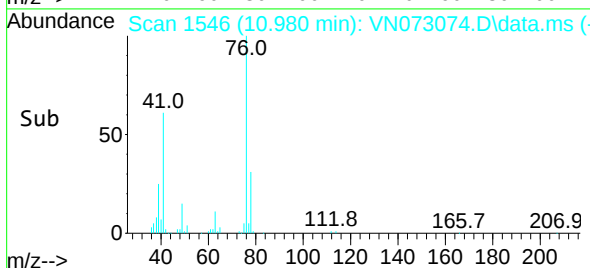
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

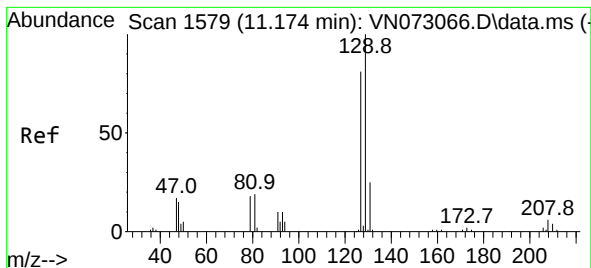


#52
1,3-Dichloropropane
Concen: 19.343 ug/l
RT: 10.980 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



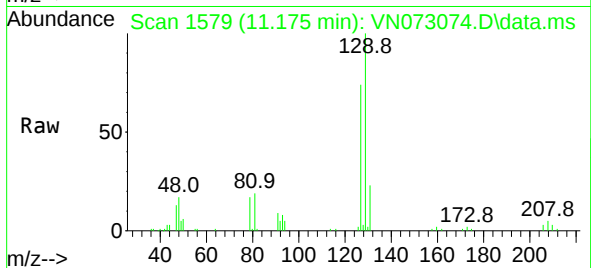
Tgt Ion: 76 Resp: 119253
Ion Ratio Lower Upper
76 100
78 32.3 0.0 65.4





#53
Dibromochloromethane
Concen: 18.826 ug/l
RT: 11.175 min Scan# 1579
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

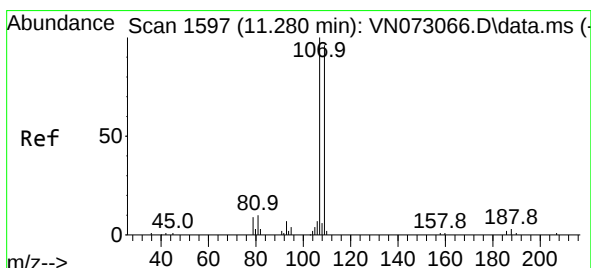
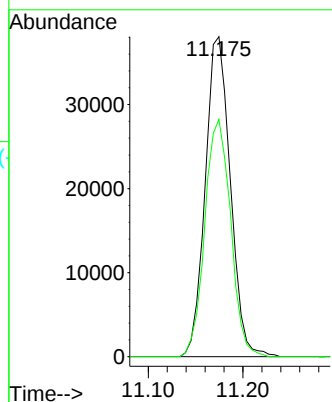
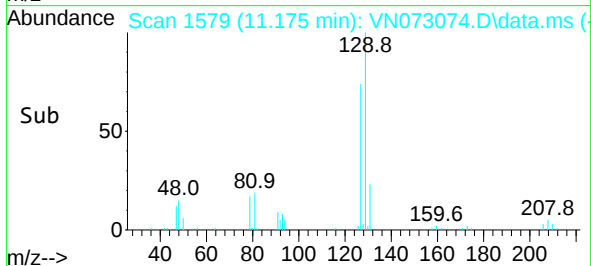
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



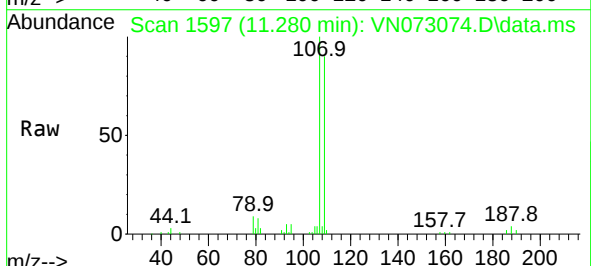
Tgt Ion:129 Resp: 70159
Ion Ratio Lower Upper
129 100
127 76.2 39.0 117.0

Manual Integrations
APPROVED

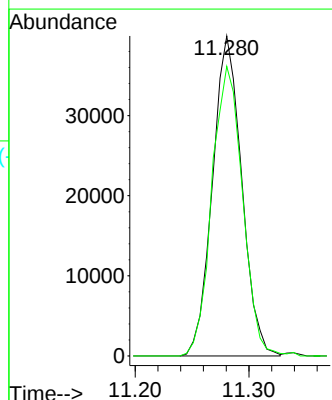
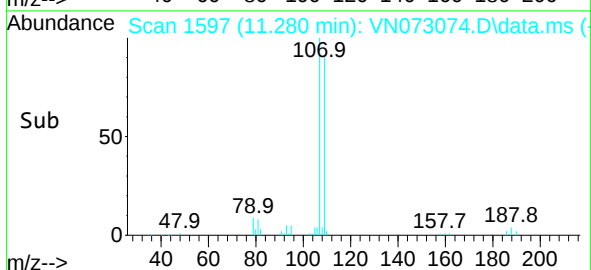
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

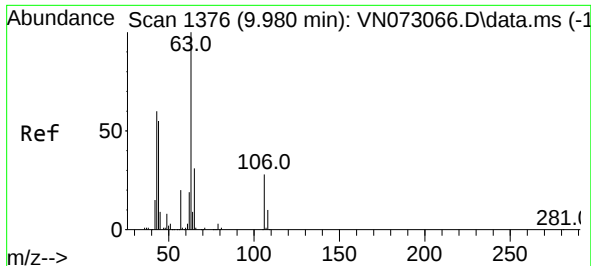


#54
1,2-Dibromoethane
Concen: 18.927 ug/l
RT: 11.280 min Scan# 1597
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



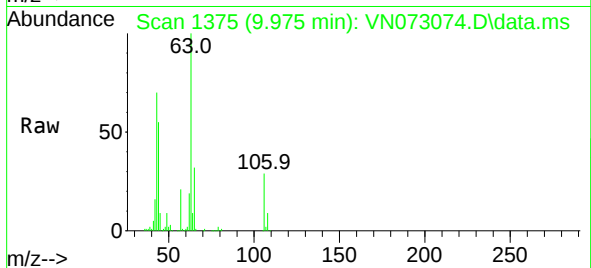
Tgt Ion:107 Resp: 71257
Ion Ratio Lower Upper
107 100
109 94.8 72.8 109.2





#55
2-Chloroethyl vinyl ether
Concen: 98.602 ug/l
RT: 9.975 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

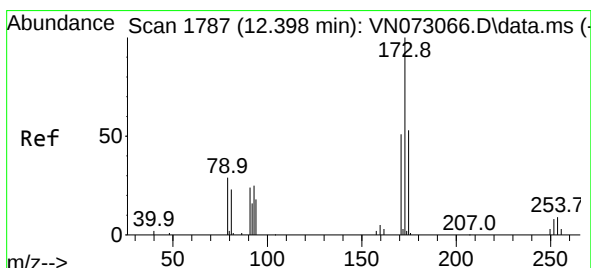
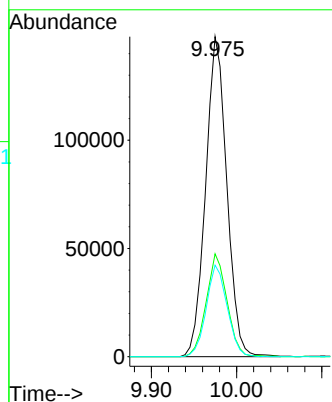
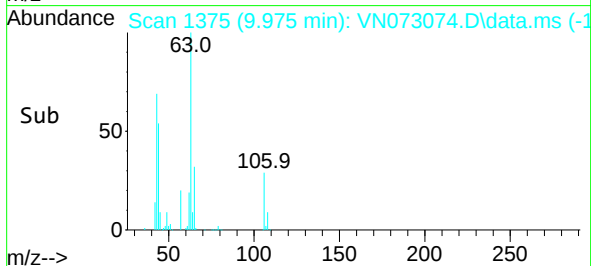
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 255662
Ion Ratio Lower Upper
63 100
65 31.4 25.4 38.0
106 28.2 23.2 34.8

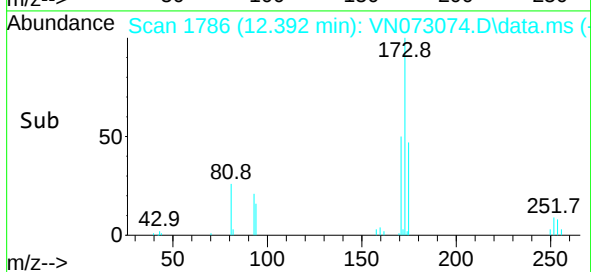
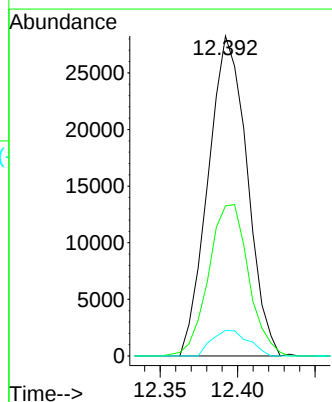
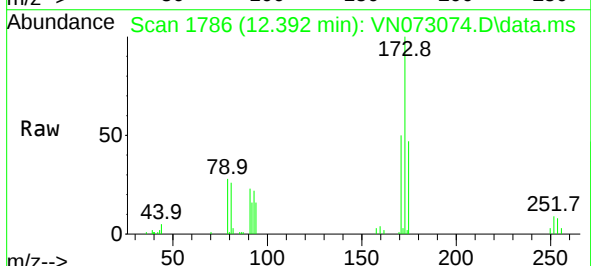
Manual Integrations
APPROVED

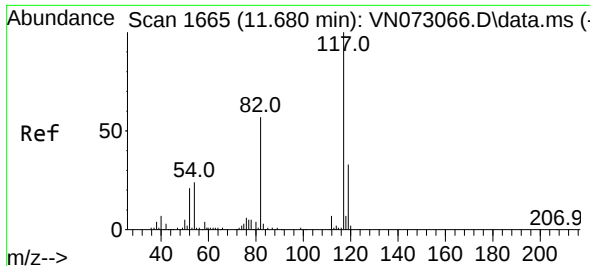
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#56
Bromoform
Concen: 18.066 ug/l
RT: 12.392 min Scan# 1786
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

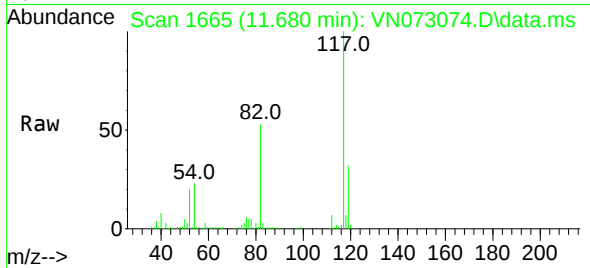
Tgt Ion:173 Resp: 49317
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
254 7.5 0.0 0.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

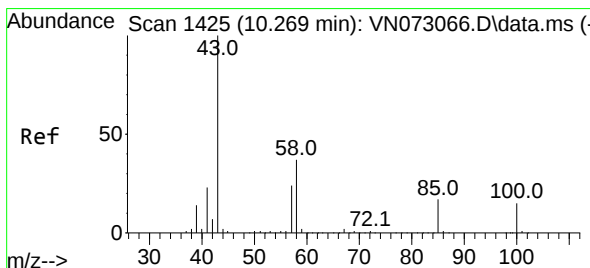
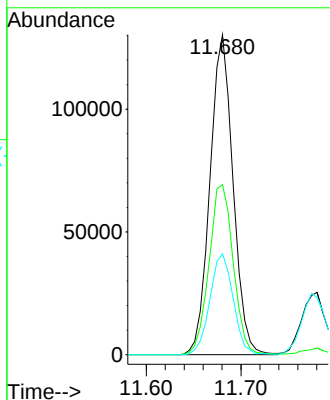
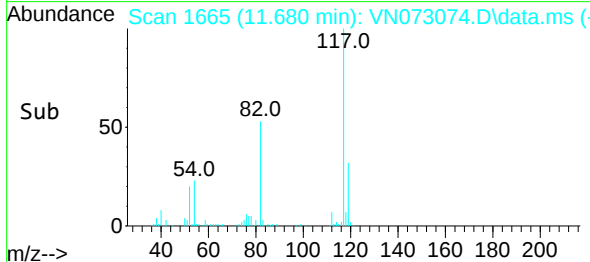
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 220700
Ion Ratio Lower Upper
117 100
82 55.8 43.6 65.4
119 31.7 25.8 38.6

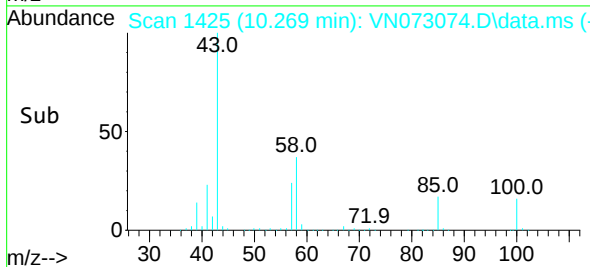
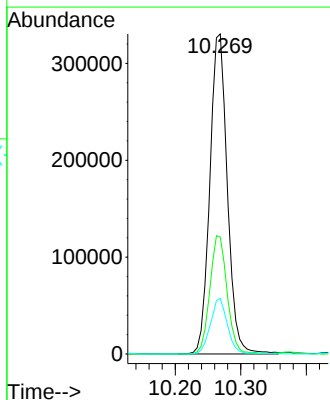
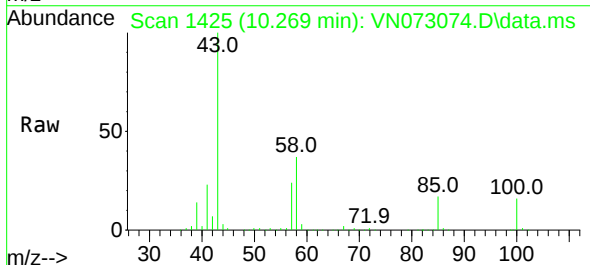
Manual Integrations
APPROVED

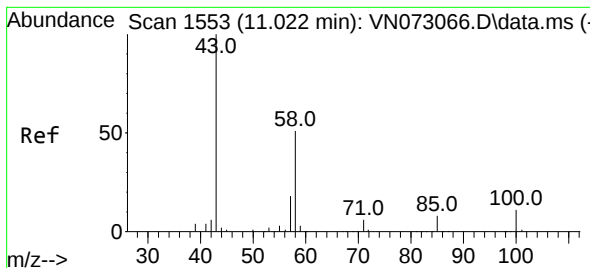
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#58
4-Methyl-2-Pentanone
Concen: 95.402 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

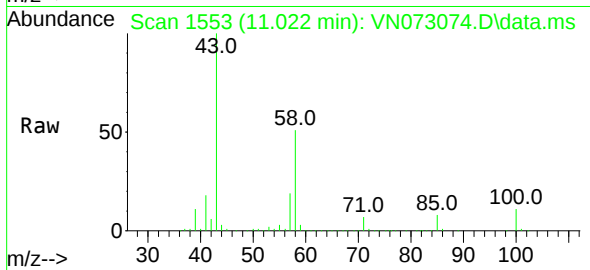
Tgt Ion: 43 Resp: 612420
Ion Ratio Lower Upper
43 100
58 36.5 30.0 45.0
85 16.8 15.0 22.6





#59
2-Hexanone
Concen: 94.837 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

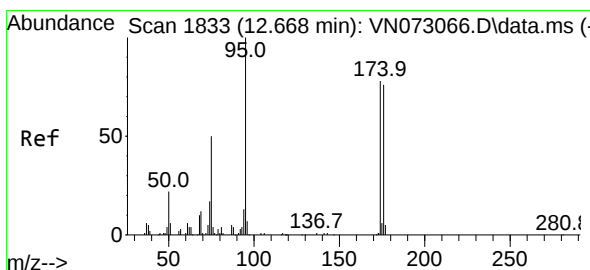
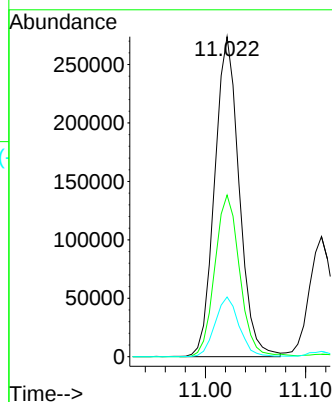
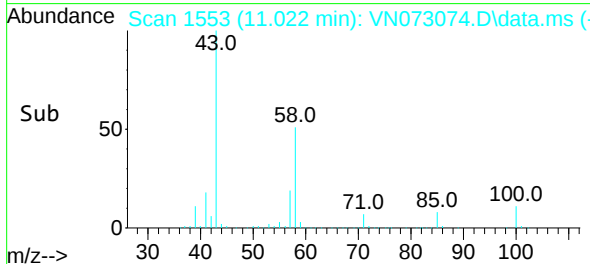
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



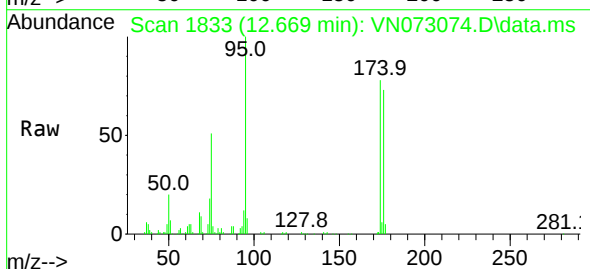
Tgt Ion: 43 Resp: 46500
Ion Ratio Lower Upper
43 100
58 51.2 42.2 63.2
57 18.4 15.0 22.4

Manual Integrations
APPROVED

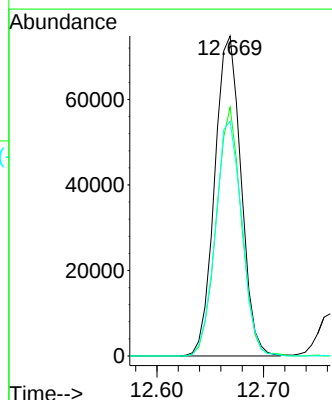
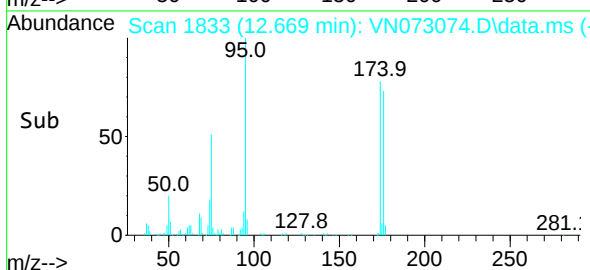
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

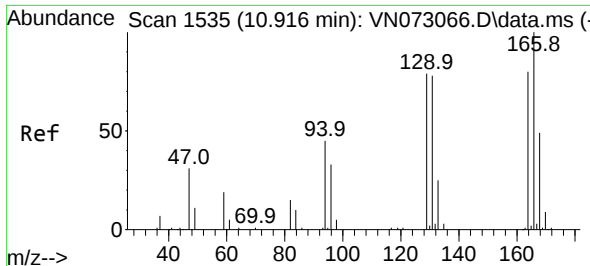


#60
4-Bromofluorobenzene
Concen: 30.419 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



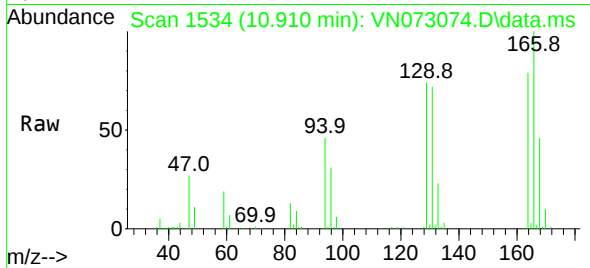
Tgt Ion: 95 Resp: 128446
Ion Ratio Lower Upper
95 100
174 74.3 62.9 94.3
176 73.8 61.0 91.4





#61
Tetrachloroethene
Concen: 20.410 ug/l
RT: 10.910 min Scan# 1535
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

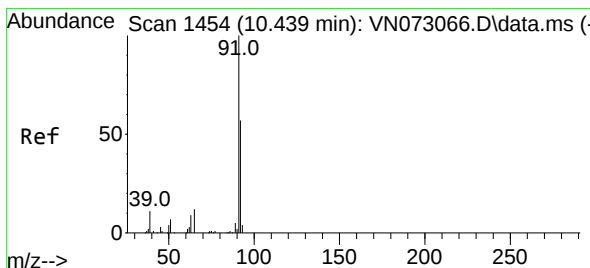
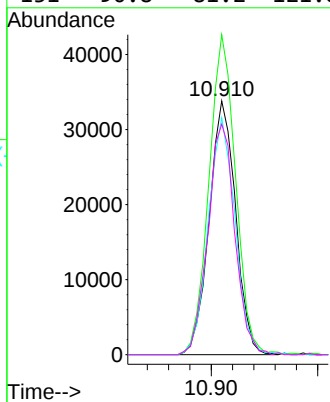
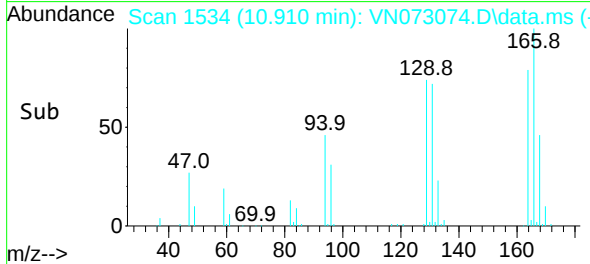
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:164 Resp: 5824
Ion Ratio Lower Upper
164 100
166 126.1 105.8 158.8
129 93.3 82.5 123.7
131 90.8 81.2 121.8

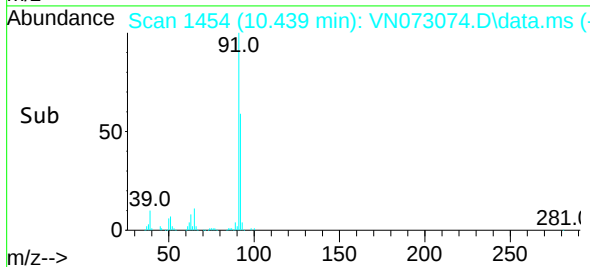
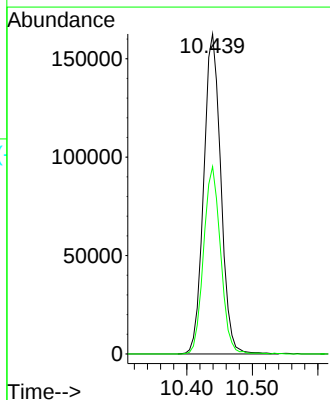
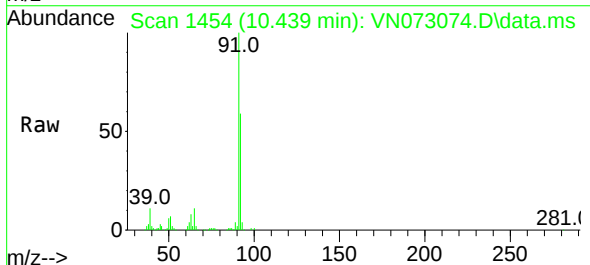
Manual Integrations
APPROVED

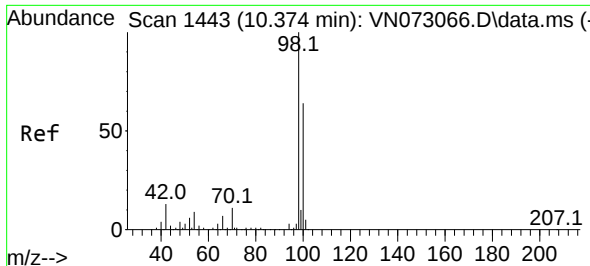
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#62
Toluene
Concen: 20.154 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

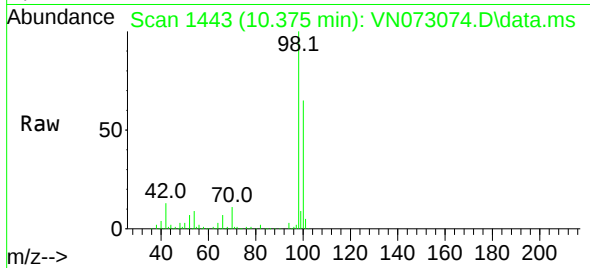
Tgt Ion: 91 Resp: 295691
Ion Ratio Lower Upper
91 100
92 57.9 44.6 67.0





#63
Toluene-d8
Concen: 30.464 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

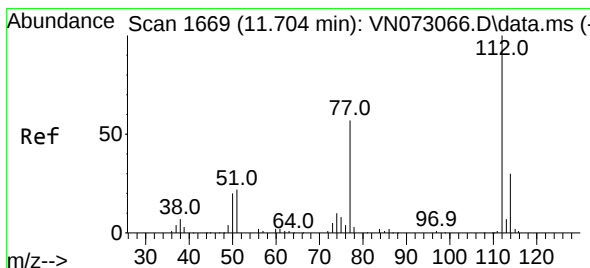
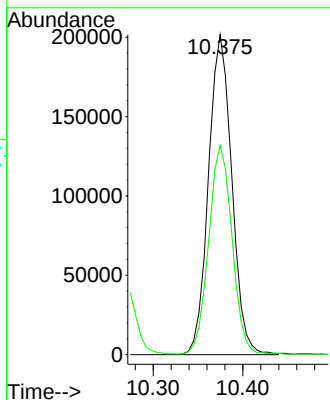
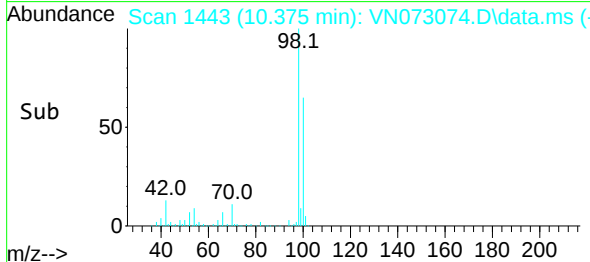
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



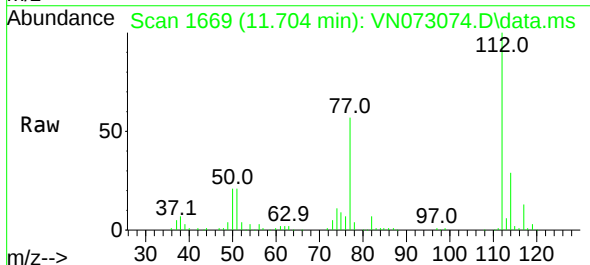
Tgt Ion: 98 Resp: 364102
Ion Ratio Lower Upper
98 100
100 65.6 50.6 76.0

Manual Integrations
APPROVED

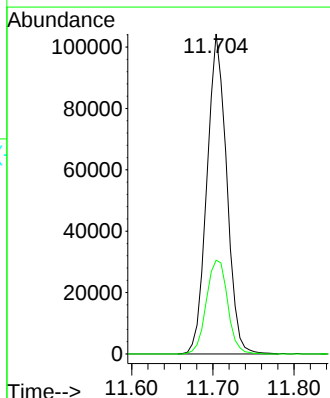
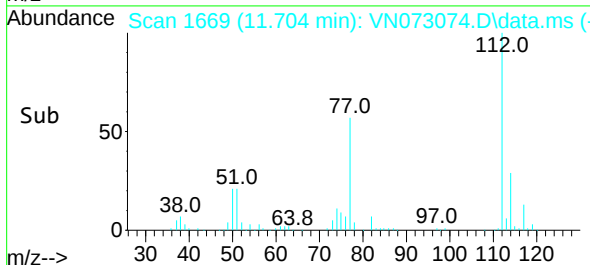
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

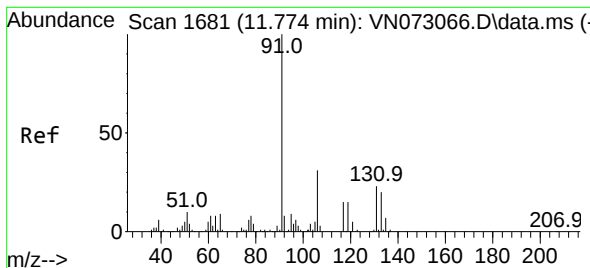


#64
Chlorobenzene
Concen: 19.911 ug/l
RT: 11.704 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



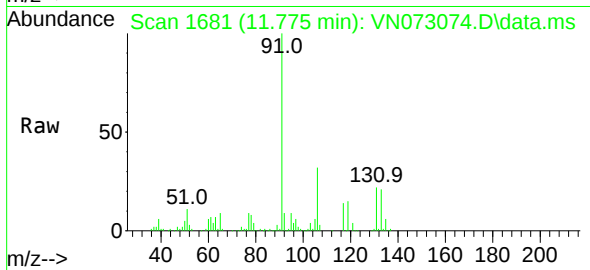
Tgt Ion:112 Resp: 175770
Ion Ratio Lower Upper
112 100
114 29.3 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 19.949 ug/l
RT: 11.775 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

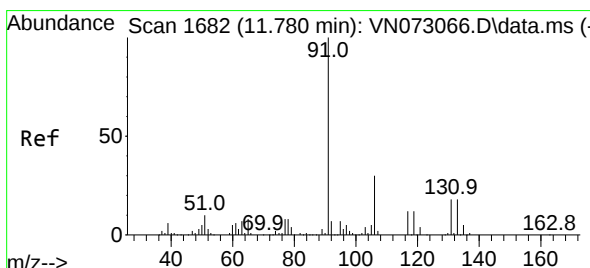
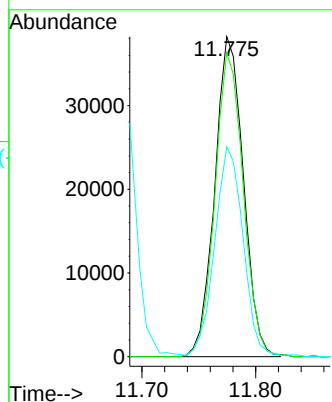
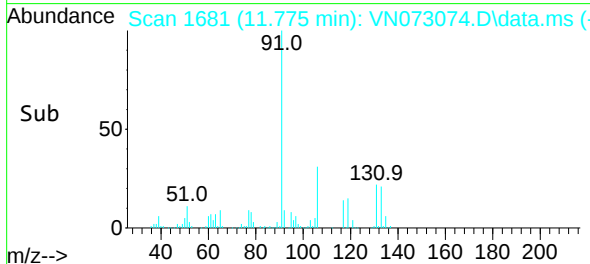
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



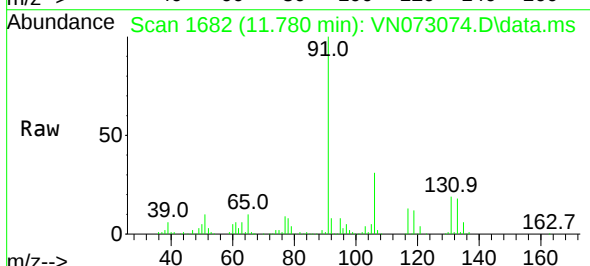
Tgt Ion:131 Resp: 66899
Ion Ratio Lower Upper
131 100
133 93.6 0.0 191.2
119 65.0 0.0 128.8

Manual Integrations
APPROVED

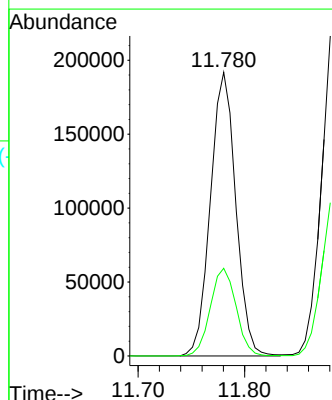
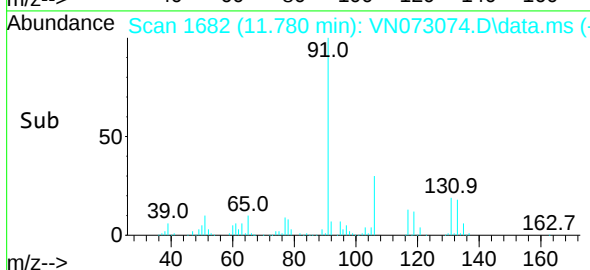
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

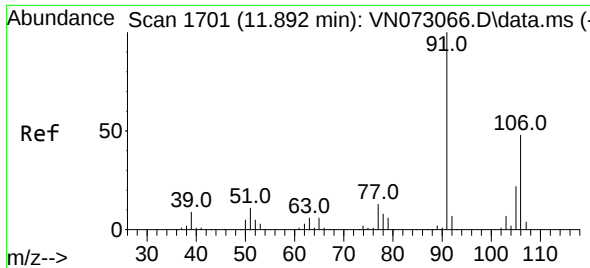


#66
Ethyl Benzene
Concen: 19.633 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 91 Resp: 317333
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0





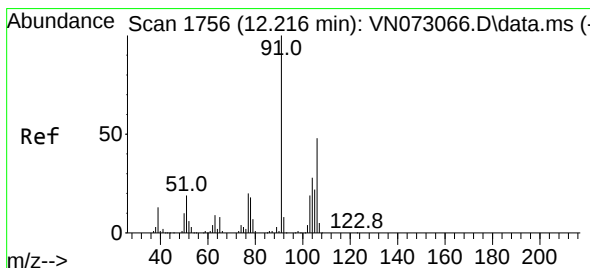
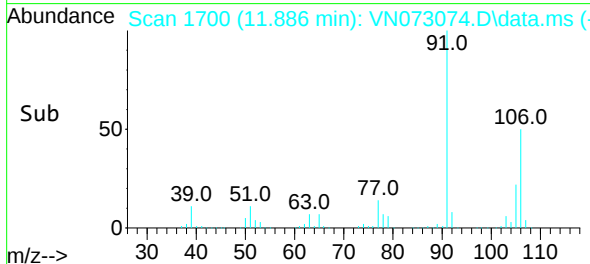
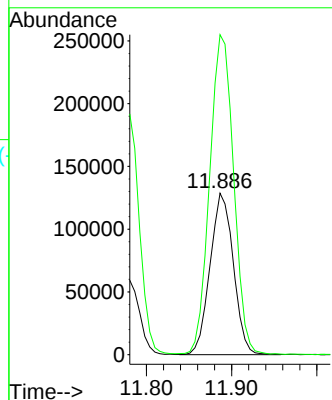
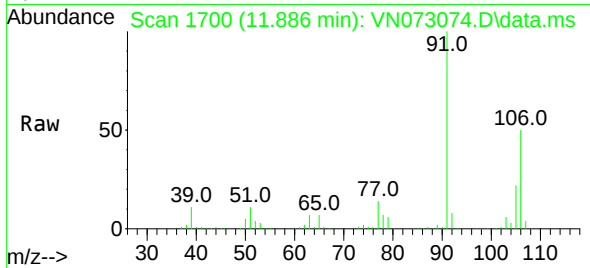
#67
m/p-Xylenes
Concen: 40.383 ug/l
RT: 11.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 244684
Ion Ratio Lower Upper
106 100
91 203.8 162.9 244.3

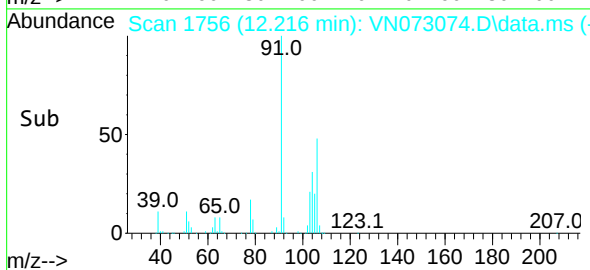
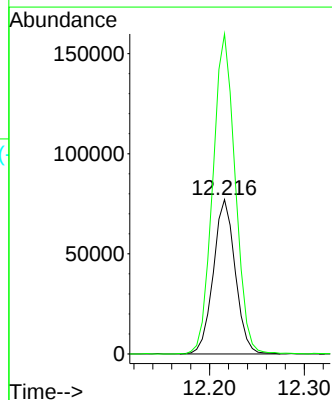
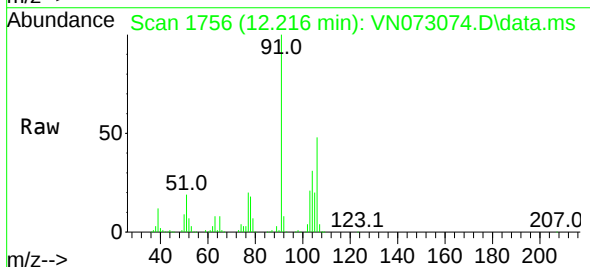
Manual Integrations
APPROVED

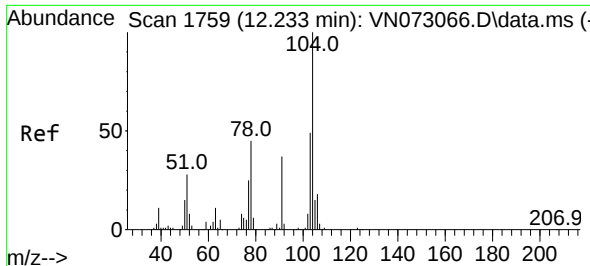
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#68
o-Xylene
Concen: 20.247 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

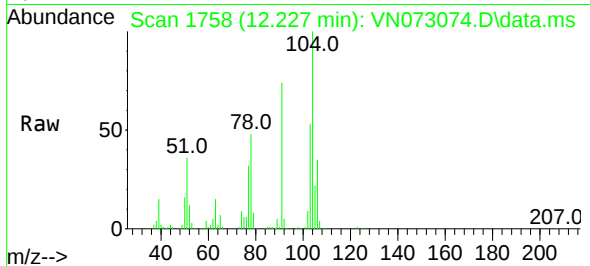
Tgt Ion:106 Resp: 123886
Ion Ratio Lower Upper
106 100
91 211.8 107.7 323.1





#69
Styrene
Concen: 19.529 ug/l
RT: 12.227 min Scan# 1758
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

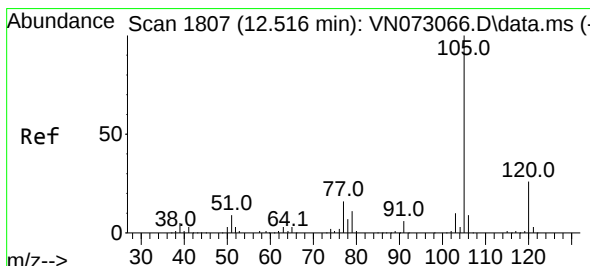
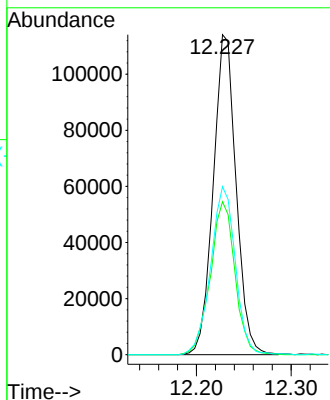
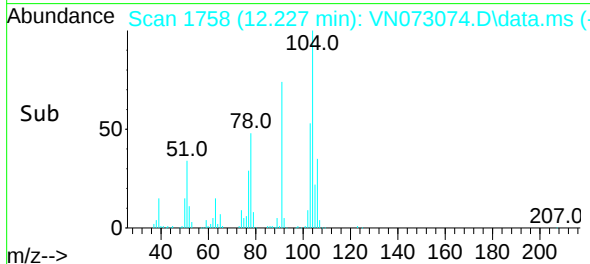
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



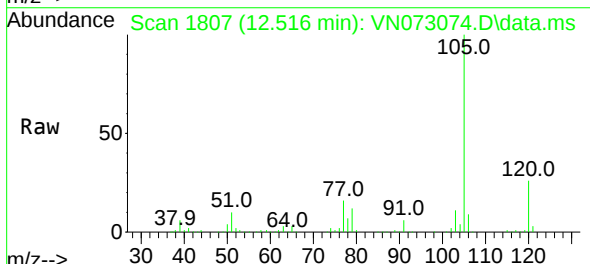
Tgt Ion:104 Resp: 19127
Ion Ratio Lower Upper
104 100
78 51.5 40.7 61.1
103 56.6 45.8 68.8

Manual Integrations
APPROVED

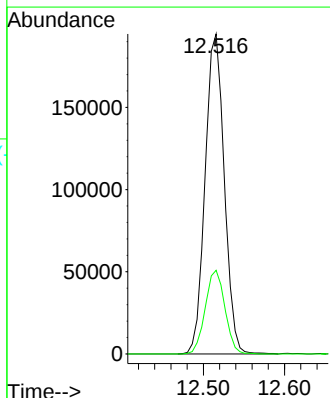
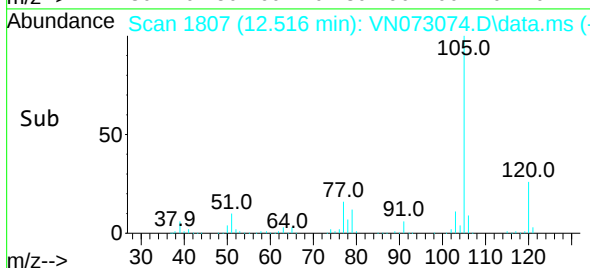
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

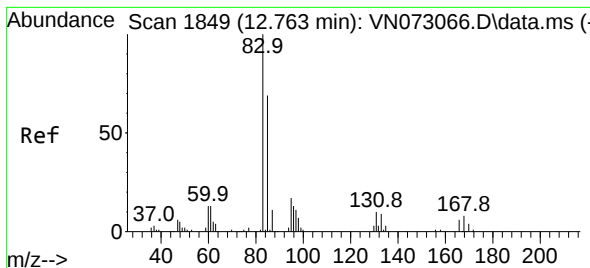


#70
Isopropylbenzene
Concen: 20.362 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



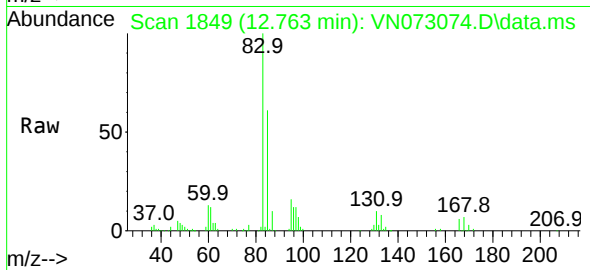
Tgt Ion:105 Resp: 318825
Ion Ratio Lower Upper
105 100
120 26.8 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 19.510 ug/l
RT: 12.763 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

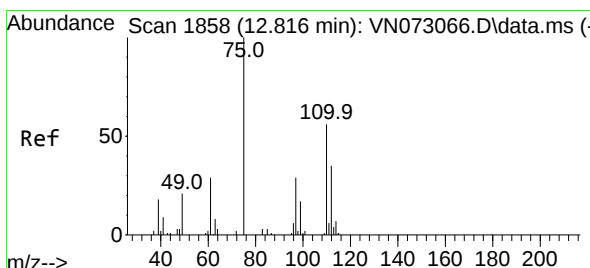
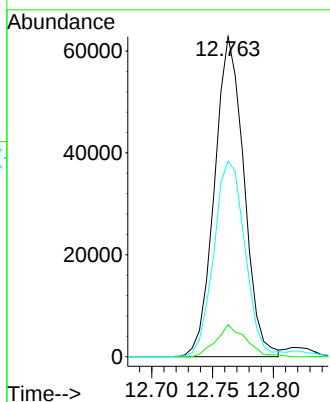
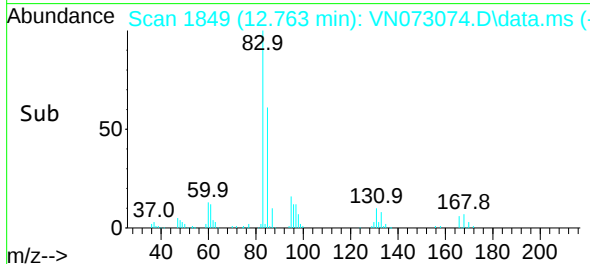
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 105474
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.3
85 64.4 33.1 99.2

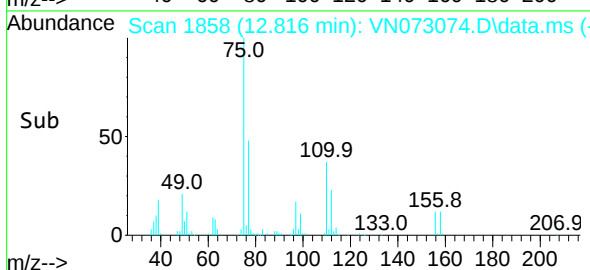
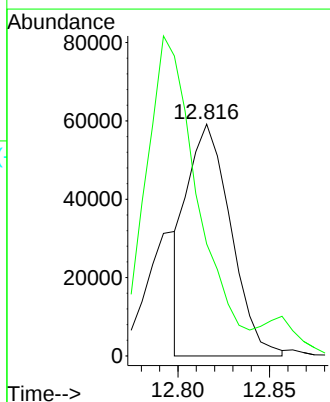
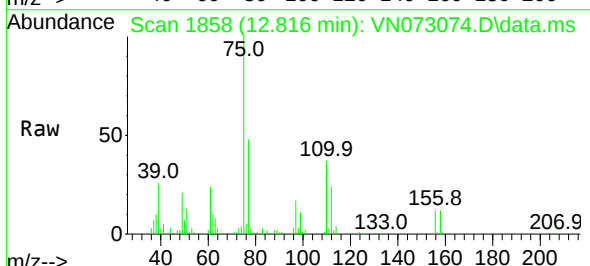
Manual Integrations
APPROVED

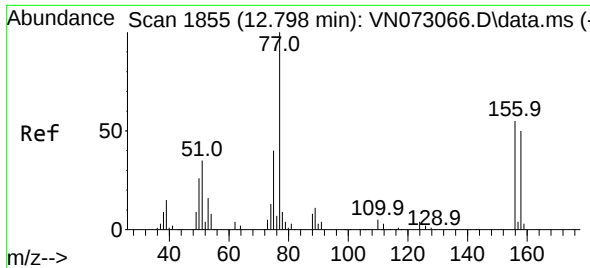
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#72
1,2,3-Trichloropropane
Concen: 23.724 ug/l m
RT: 12.816 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

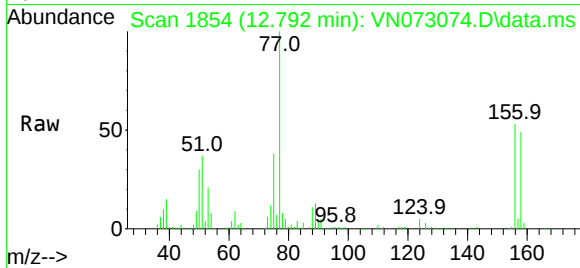
Tgt Ion: 75 Resp: 98342
Ion Ratio Lower Upper
75 100
77 165.8 0.0 378.0





#73
Bromobenzene
Concen: 19.851 ug/l
RT: 12.792 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

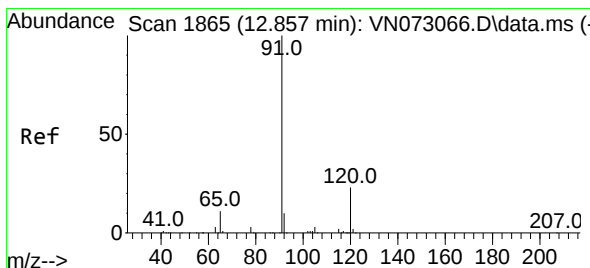
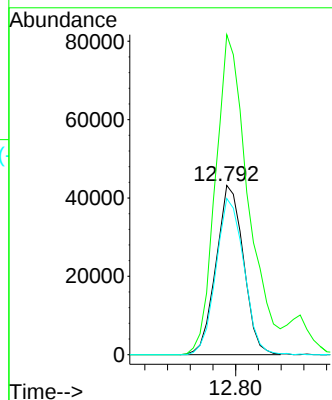
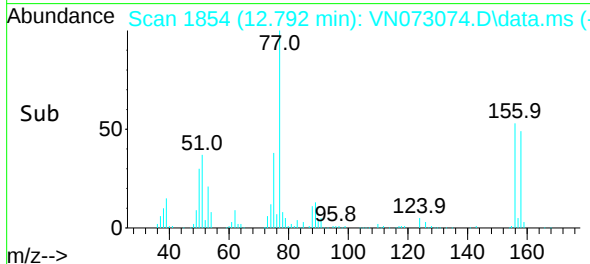
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



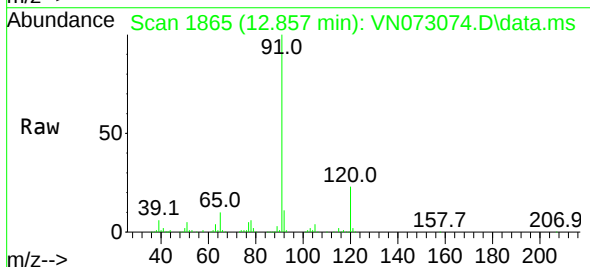
Tgt Ion:156 Resp: 72490
Ion Ratio Lower Upper
156 100
77 224.9 0.0 416.0
158 94.2 0.0 195.4

Manual Integrations
APPROVED

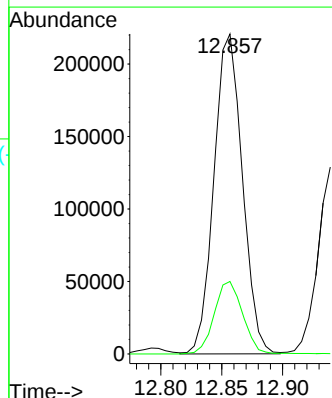
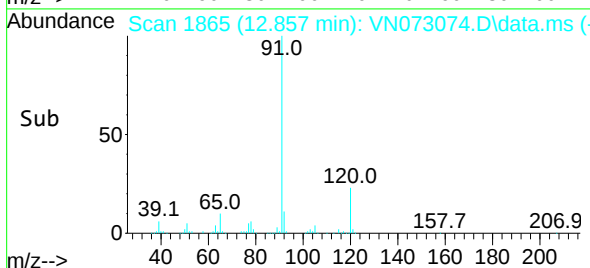
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

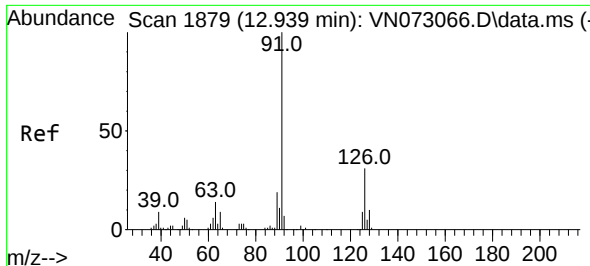


#74
n-propylbenzene
Concen: 20.200 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 91 Resp: 358381
Ion Ratio Lower Upper
91 100
120 22.6 0.0 45.0





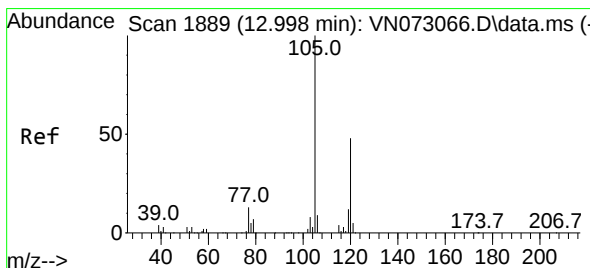
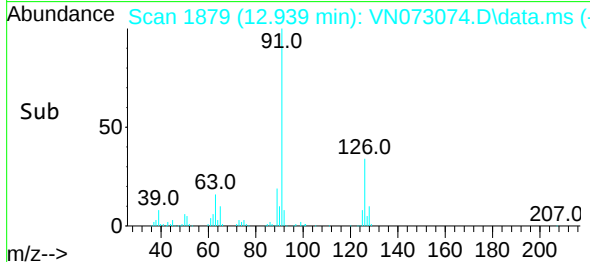
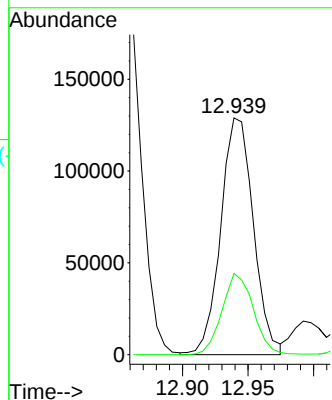
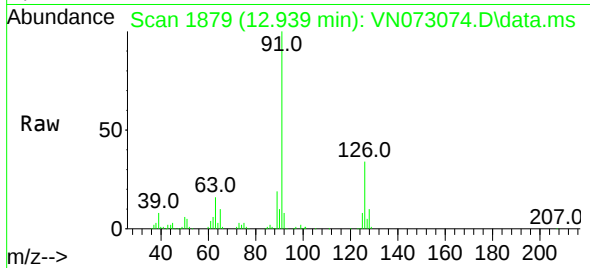
#75
2-Chlorotoluene
Concen: 20.143 ug/l
RT: 12.939 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 223494
Ion Ratio Lower Upper
91 100
126 32.9 0.0 69.8

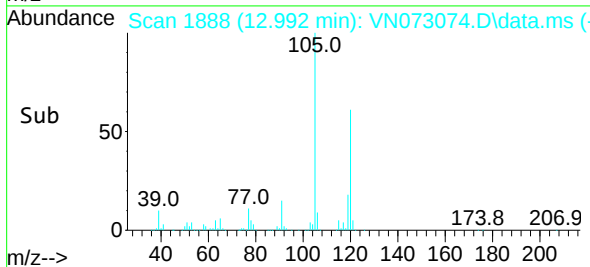
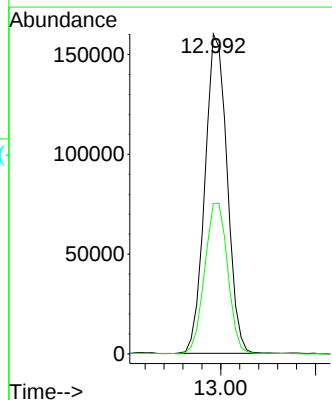
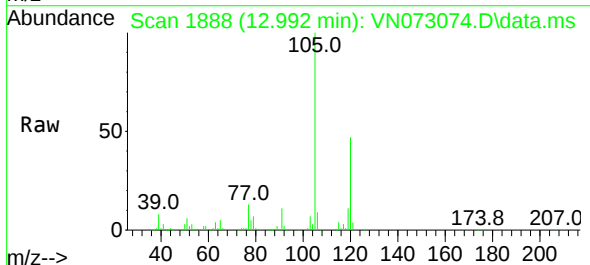
Manual Integrations
APPROVED

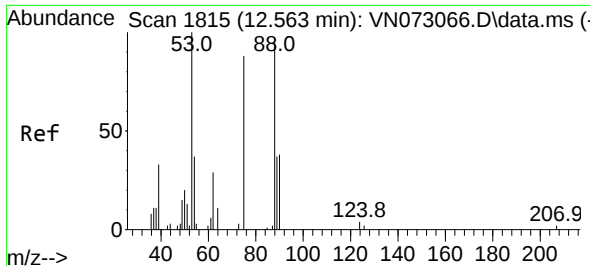
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#76
1,3,5-Trimethylbenzene
Concen: 19.929 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

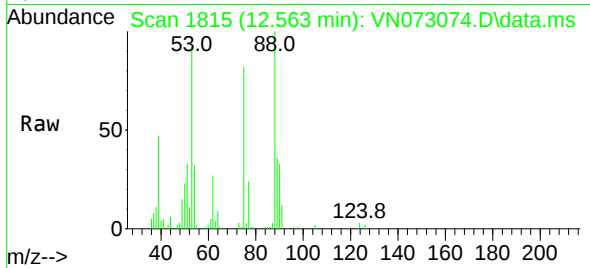
Tgt Ion:105 Resp: 259363
Ion Ratio Lower Upper
105 100
120 49.2 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 25.114 ug/l
RT: 12.563 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

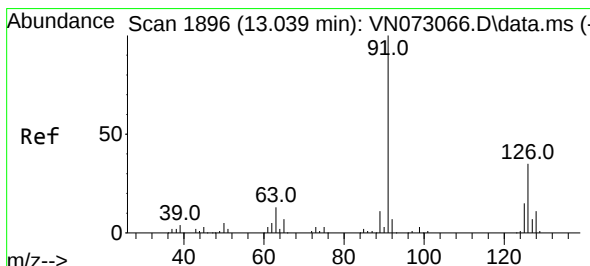
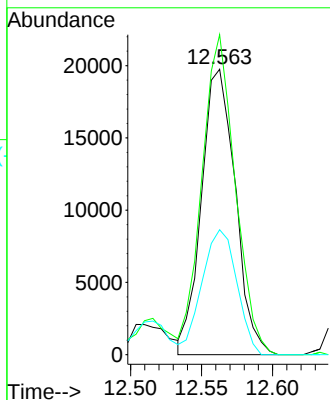
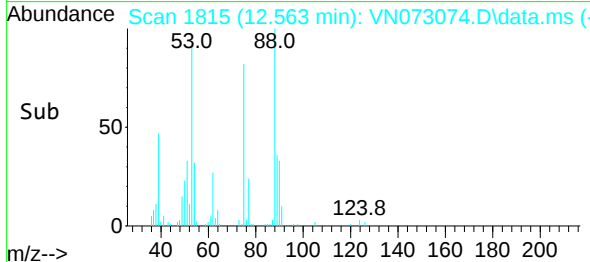
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 32830
Ion Ratio Lower Upper
75 100
53 112.1 51.8 155.5
89 43.8 22.9 68.7

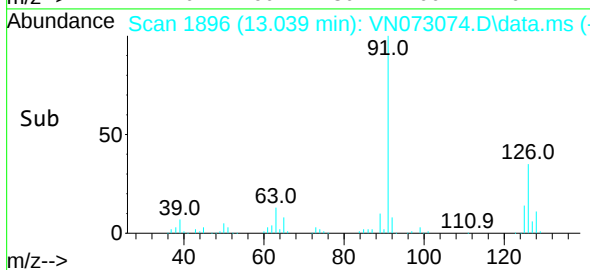
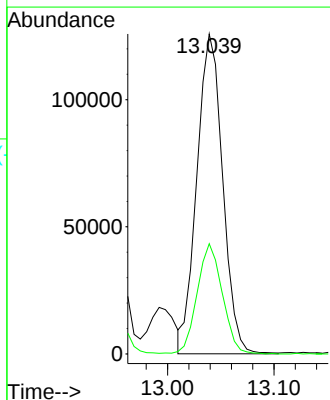
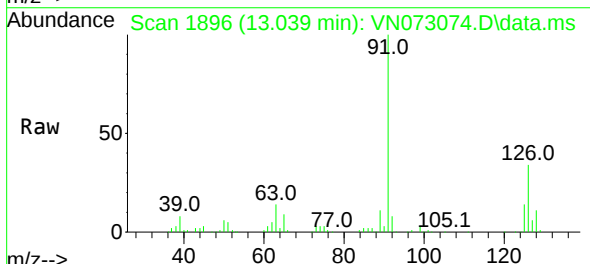
Manual Integrations
APPROVED

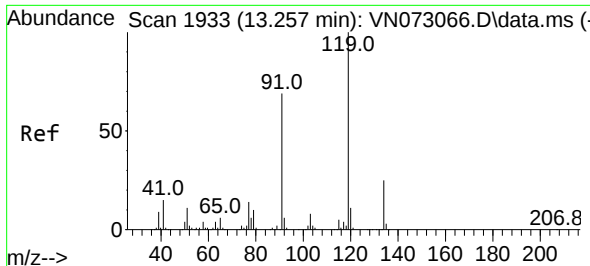
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#78
4-Chlorotoluene
Concen: 19.831 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

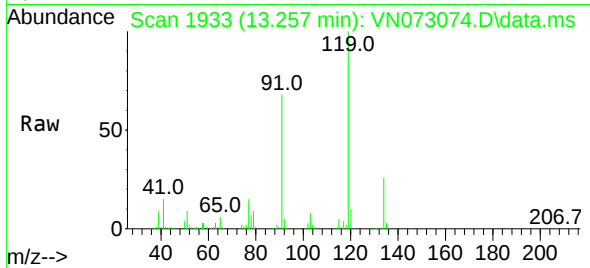
Tgt Ion: 91 Resp: 211676
Ion Ratio Lower Upper
91 100
126 33.5 0.0 70.6





#79
tert-butylbenzene
Concen: 19.507 ug/l
RT: 13.257 min Scan# 1933
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

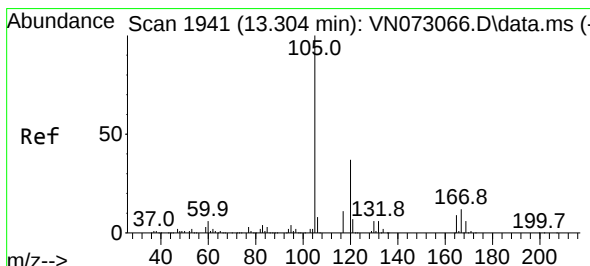
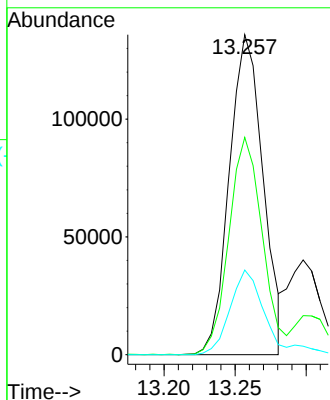
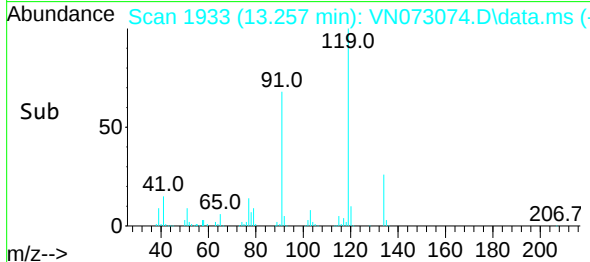
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



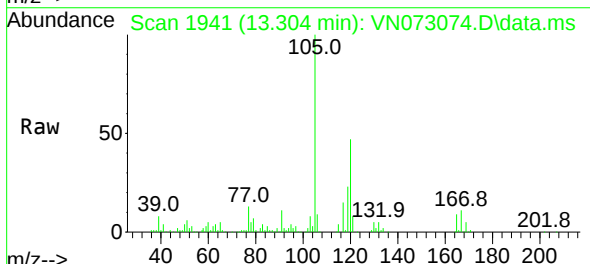
Tgt Ion:119 Resp: 22444
Ion Ratio Lower Upper
119 100
91 67.6 0.0 137.0
134 25.7 0.0 47.6

Manual Integrations
APPROVED

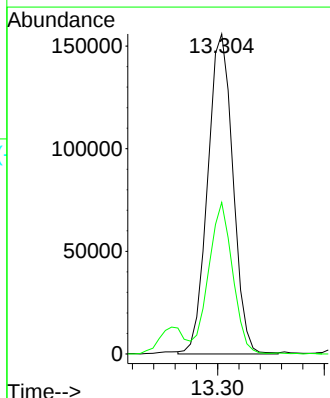
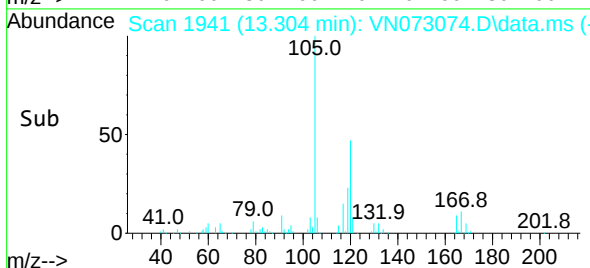
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

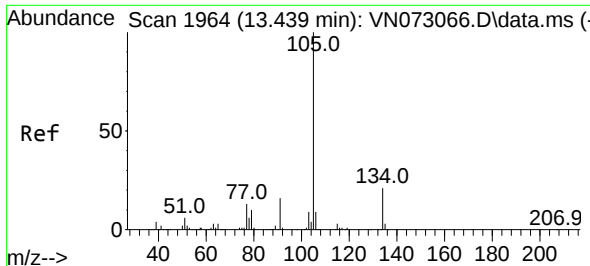


#80
1,2,4-Trimethylbenzene
Concen: 20.086 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion:105 Resp: 256464
Ion Ratio Lower Upper
105 100
120 44.9 0.0 0.2#





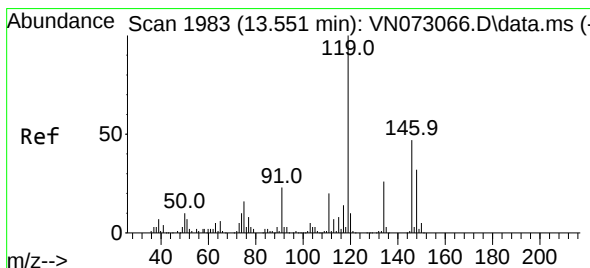
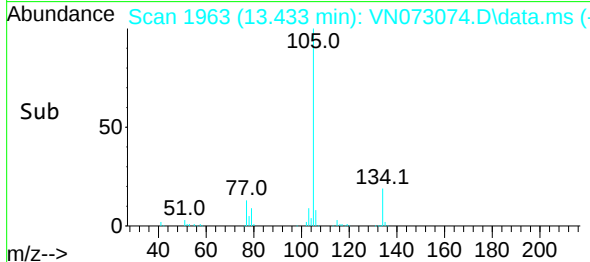
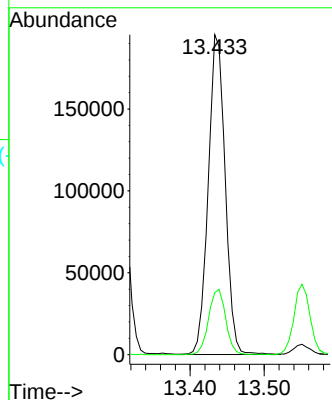
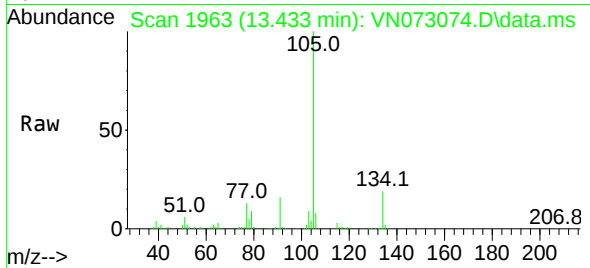
#81
 sec-Butylbenzene
 Concen: 19.999 ug/l
 RT: 13.433 min Scan# 1963
 Delta R.T. -0.006 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 31016
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 39.4

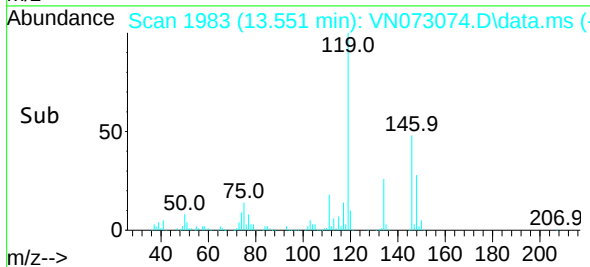
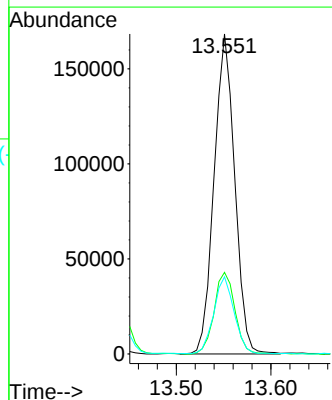
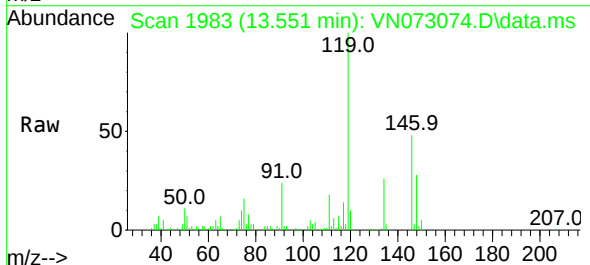
Manual Integrations
 APPROVED

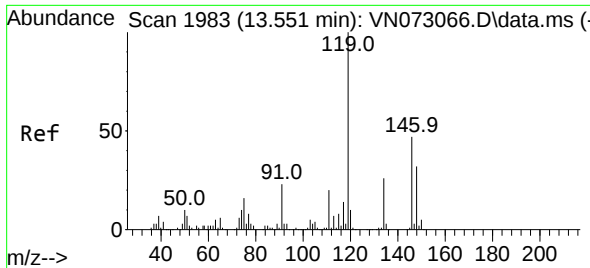
Reviewed By :John Carlone 06/25/2022
 Supervised By :Mahesh Dadoda 06/28/2022



#82
 p-Isopropyltoluene
 Concen: 20.211 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN073074.D
 Acq: 24 Jun 2022 10:38

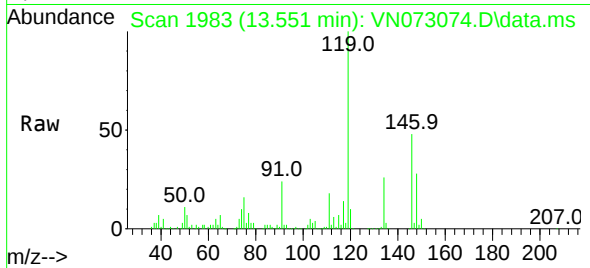
Tgt Ion:119 Resp: 254588
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.8
 91 23.7 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 20.747 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

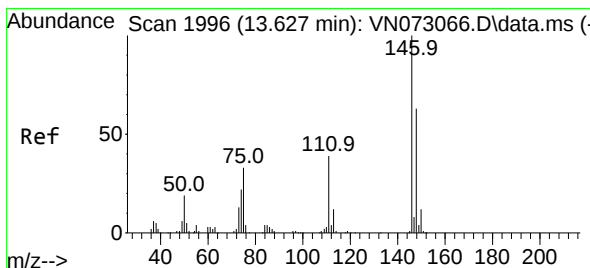
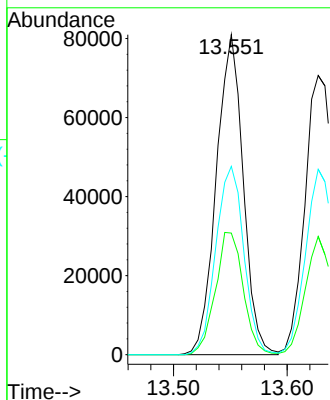
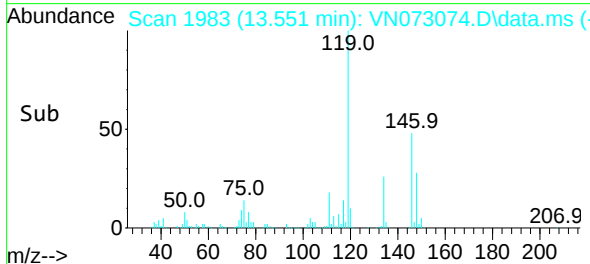
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



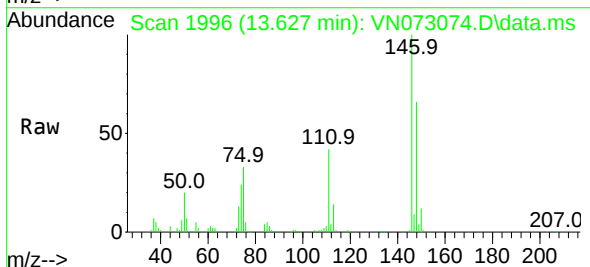
Tgt Ion:146 Resp: 133358
Ion Ratio Lower Upper
146 100
111 39.5 20.8 62.2
148 61.4 31.4 94.3

Manual Integrations
APPROVED

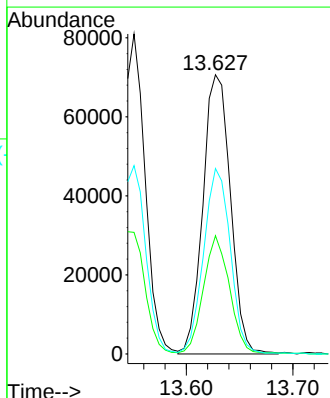
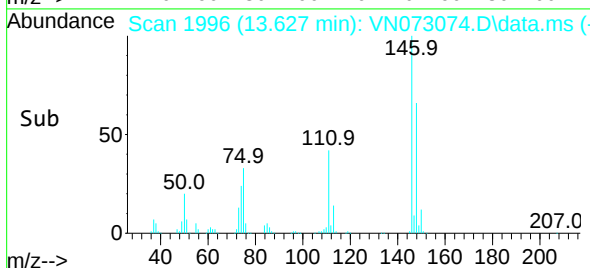
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

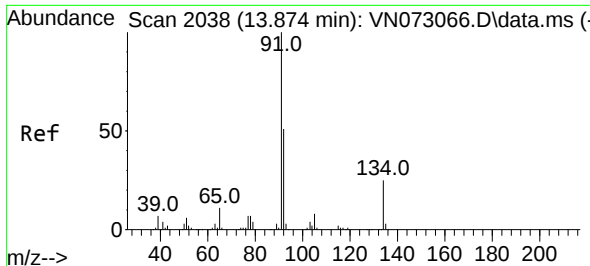


#84
1,4-Dichlorobenzene
Concen: 19.788 ug/l
RT: 13.627 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion:146 Resp: 127109
Ion Ratio Lower Upper
146 100
111 40.0 19.5 58.5
148 64.5 31.1 93.5





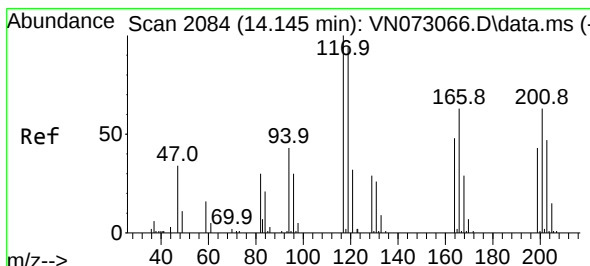
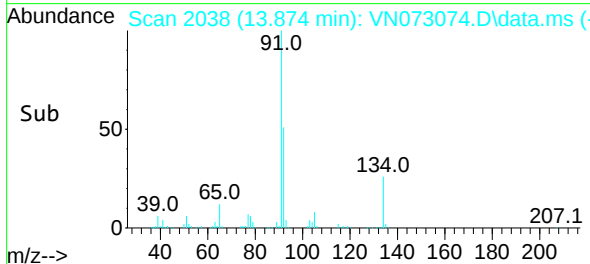
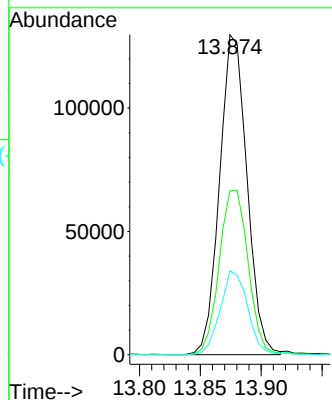
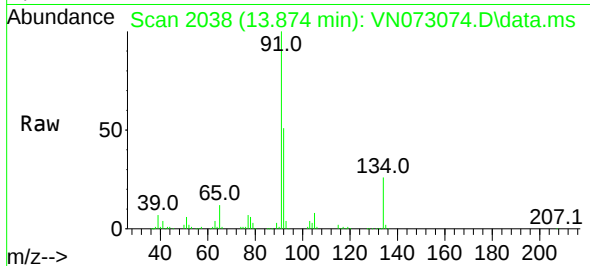
#85
n-Butylbenzene
Concen: 19.851 ug/l
RT: 13.874 min Scan# 2038
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 203474
Ion Ratio Lower Upper
91 100
92 54.3 0.0 100.6
134 26.2 0.0 50.2

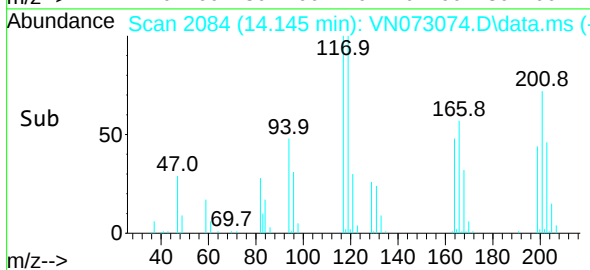
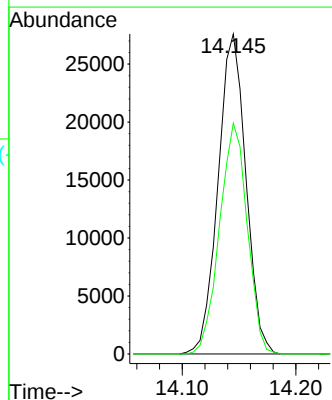
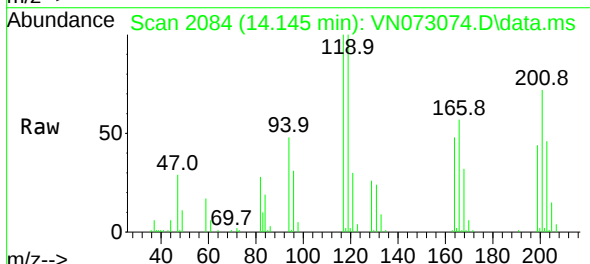
Manual Integrations
APPROVED

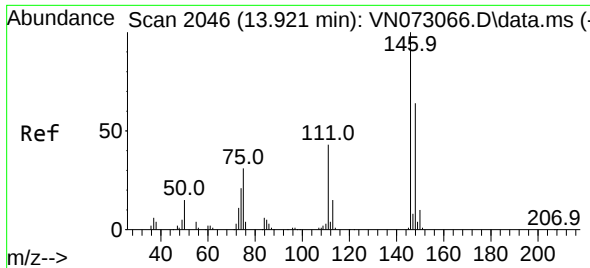
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#86
Hexachloroethane
Concen: 19.049 ug/l
RT: 14.145 min Scan# 2084
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

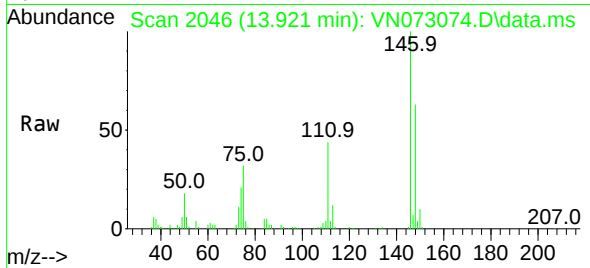
Tgt Ion:117 Resp: 46980
Ion Ratio Lower Upper
117 100
201 71.8 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 19.835 ug/l
RT: 13.921 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

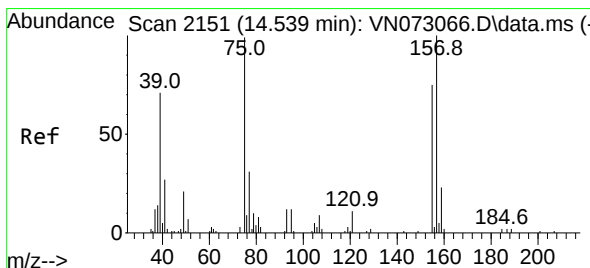
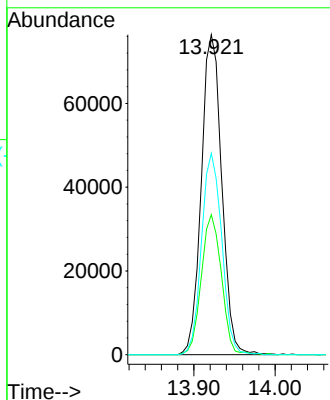
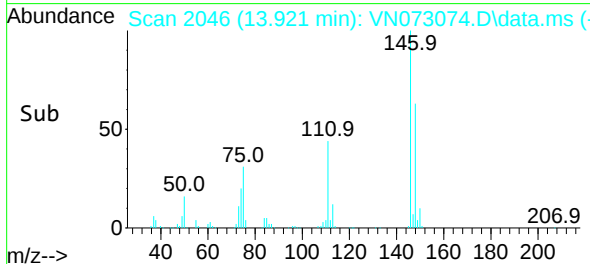
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



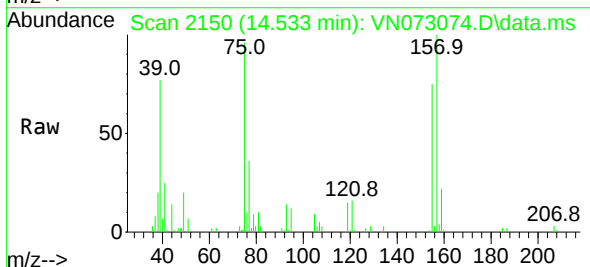
Tgt Ion:146 Resp: 133398
Ion Ratio Lower Upper
146 100
111 42.7 21.4 64.2
148 62.3 32.5 97.4

Manual Integrations
APPROVED

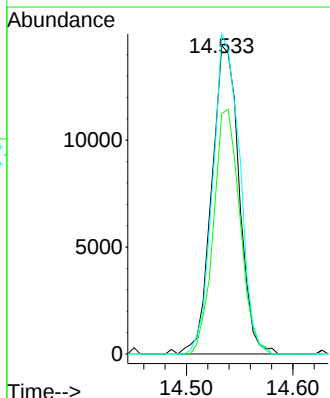
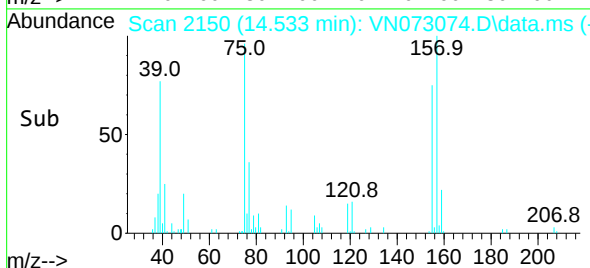
Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022

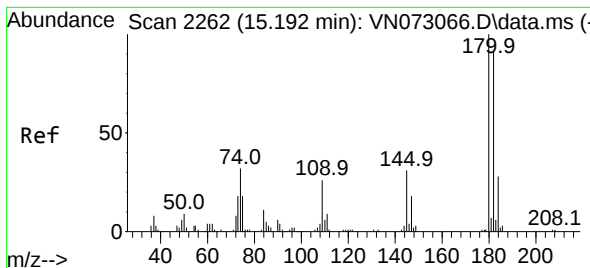


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.670 ug/l
RT: 14.533 min Scan# 2150
Delta R.T. -0.006 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion: 75 Resp: 25716
Ion Ratio Lower Upper
75 100
155 76.8 63.8 95.8
157 101.9 77.9 116.9





#89

1,2,4-Trichlorobenzene

Concen: 19.762 ug/l

RT: 15.192 min Scan# 2262

Delta R.T. 0.000 min

Lab File: VN073074.D

Acq: 24 Jun 2022 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:180 Resp: 6983

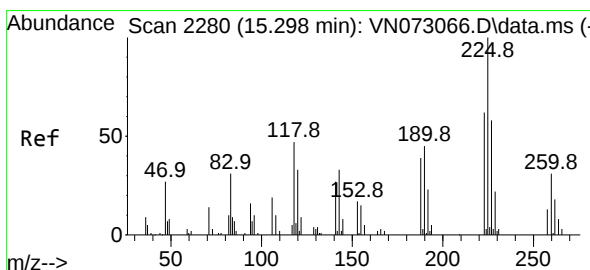
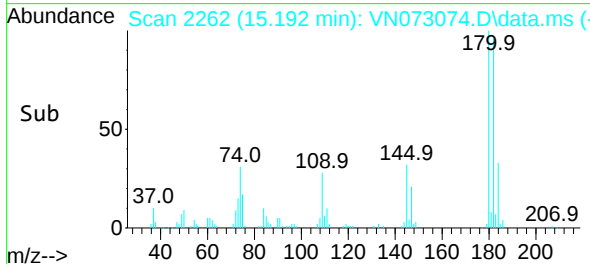
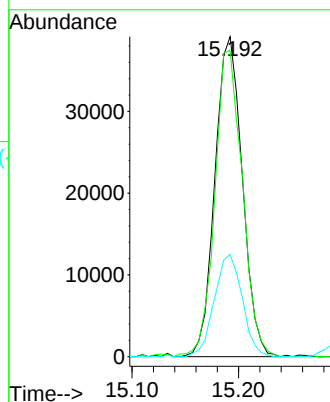
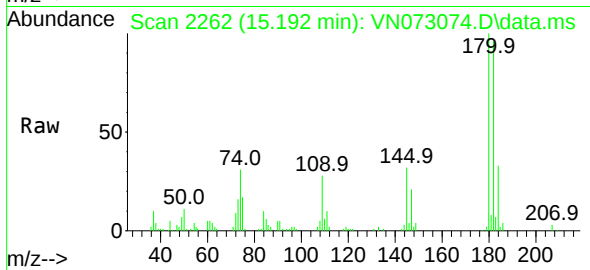
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.7	116.5
145	32.5	26.6	39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2022

Supervised By :Mahesh Dadoda 06/28/2022



#90

Hexachlorobutadiene

Concen: 21.536 ug/l

RT: 15.298 min Scan# 2280

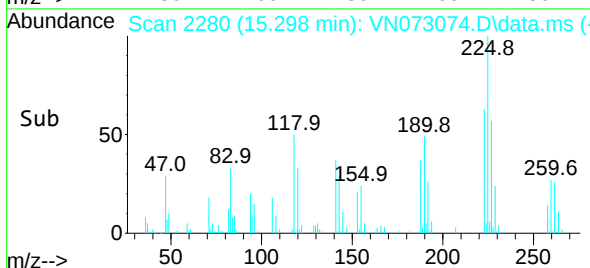
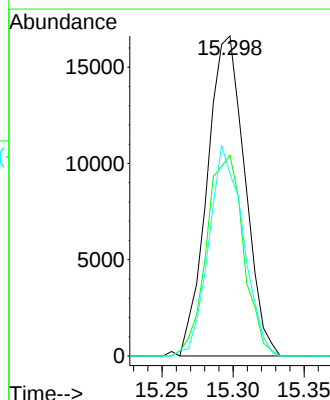
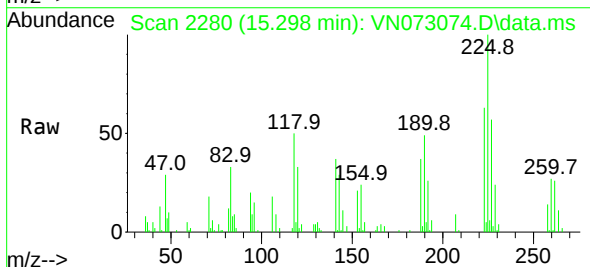
Delta R.T. 0.000 min

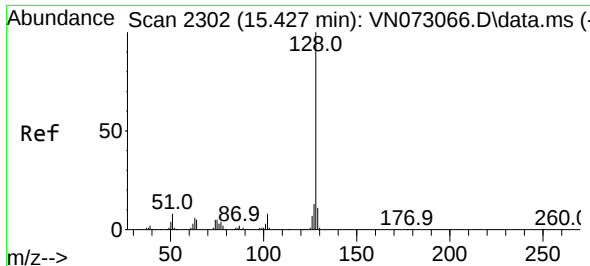
Lab File: VN073074.D

Acq: 24 Jun 2022 10:38

Tgt Ion:225 Resp: 30681

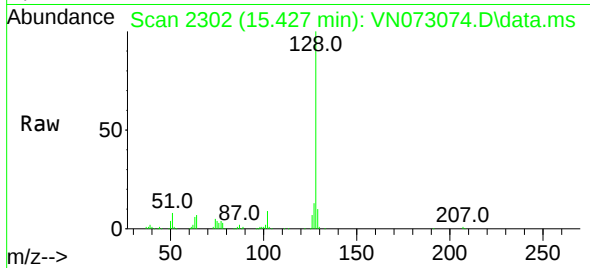
Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	126.8
227	59.9	0.0	123.0





#91
Naphthalene
Concen: 19.850 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38

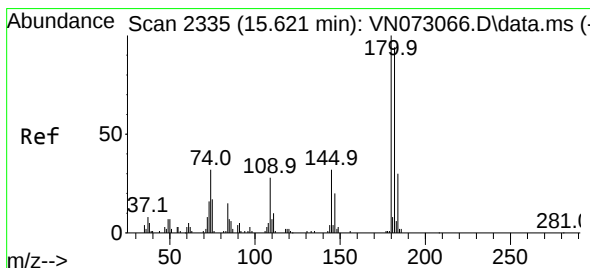
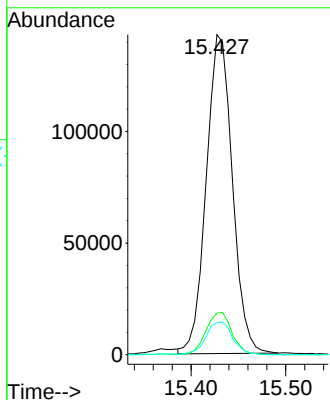
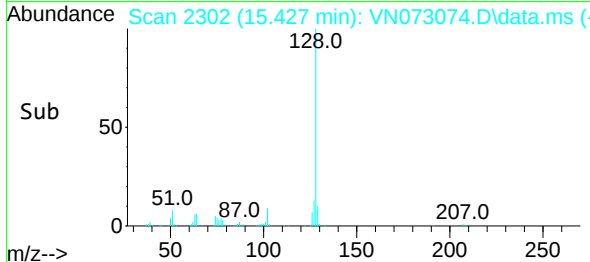
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



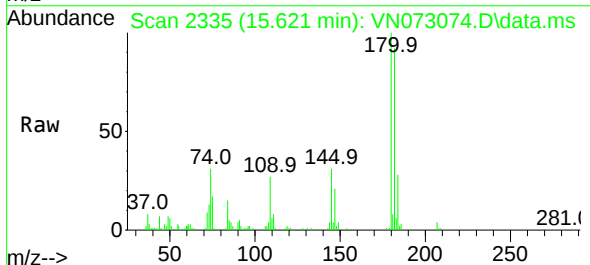
Tgt Ion:128 Resp: 273714
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.5 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2022
Supervised By :Mahesh Dadoda 06/28/2022



#92
1,2,3-Trichlorobenzene
Concen: 20.317 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VN073074.D
Acq: 24 Jun 2022 10:38



Tgt Ion:180 Resp: 73047
Ion Ratio Lower Upper
180 100
182 93.6 0.0 190.0
145 33.9 0.0 67.8

