

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072503.D
 Acq On : 16 May 2022 15:51
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 16 16:08:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon May 16 14:12:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	26556	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	141160	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	131311	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	91052	30.470	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.567%			
60) 4-Bromofluorobenzene	12.727	95	79613	31.051	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.500%			
63) Toluene-d8	10.439	98	223481	31.178	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.933%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	42785	19.395	ug/l	99
3) Chloromethane	2.299	50	39404	19.777	ug/l	100
4) Vinyl Chloride	2.440	62	31961	19.003	ug/l	91
5) Bromomethane	2.822	94	27144	19.842	ug/l	98
6) Chloroethane	2.999	64	22441	20.432	ug/l	99
7) Trichlorofluoromethane	3.363	101	78883	19.855	ug/l	100
8) Diethyl Ether	3.822	74	23747	19.869	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.204	101	38684	20.665	ug/l #	66
10) 1,1-Dichloroethene	4.181	96	33052	19.581	ug/l	96
11) Methyl Iodide	4.416	142	45459	17.884	ug/l	99
12) Methyl Acetate	4.851	43	54733	20.044	ug/l	99
13) Acrolein	4.034	56	39958	93.129	ug/l	100
14) Acrylonitrile	5.551	53	116829	101.407	ug/l	76
15) Acetone	4.281	58	30261	100.169	ug/l	87
16) Carbon Disulfide	4.528	76	85685	19.570	ug/l	96
17) Allyl chloride	4.834	41	60195	19.757	ug/l	97
18) Methylene Chloride	5.087	84	41512	20.777	ug/l	97
19) trans-1,2-Dichloroethene	5.593	96	36261	19.559	ug/l	96
20) Diisopropyl ether	6.493	45	127446	20.121	ug/l	96
21) 1,1-Dichloroethane	6.387	63	74925	19.780	ug/l	100
22) cis-1,2-Dichloroethene	7.322	96	42232	19.402	ug/l	93
23) tert-Butyl Alcohol	5.369	59	48561	96.095	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	136439	19.703	ug/l	99
25) Chloroform	7.816	83	81904	20.049	ug/l	98
26) Cyclohexane	8.092	56	60023	19.527	ug/l #	98
29) 1,1-Dichloropropene	8.216	75	56438	20.075	ug/l	95
30) 2-Butanone	7.328	43	164011	100.798	ug/l	97
31) 2,2-Dichloropropane	7.322	77	72288	20.726	ug/l #	77
32) 1,1,1-Trichloroethane	8.010	97	79722	19.881	ug/l	99
33) Carbon Tetrachloride	8.198	117	69741	19.571	ug/l	91
34) Benzene	8.457	78	160724	20.120	ug/l	99
35) Methacrylonitrile	7.634	41	29236	16.994	ug/l	97
36) 1,2-Dichloroethane	8.522	62	73401	19.731	ug/l #	87
37) Trichloroethene	9.216	130	42754	19.728	ug/l	97
38) Methylcyclohexane	9.457	83	65728	20.222	ug/l	93
39) 1,2-Dichloropropane	9.486	63	39706	19.732	ug/l	95
40) Dibromomethane	9.575	93	31330	20.170	ug/l	89
41) Bromodichloromethane	9.757	83	64171	19.500	ug/l #	98
42) Vinyl Acetate	6.428	43	516937	94.391	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	65390	20.579	ug/l	97
44) Isopropyl Acetate	8.557	43	101548	19.964	ug/l	99
45) 1,4-Dioxane	9.569	88	19805	408.801	ug/l	92
46) Methyl methacrylate	9.557	41	46666	19.389	ug/l	89
47) n-amyl Acetate	12.386	43	64149	18.840	ug/l	94
48) t-1,3-Dichloropropene	10.716	75	67308	19.374	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	70012	19.994	ug/l	94
50) 1,1,2-Trichloroethane	10.892	97	44295	20.674	ug/l	98
51) Ethyl methacrylate	10.757	69	64221	19.222	ug/l	90
52) 1,3-Dichloropropane	11.045	76	72223	19.510	ug/l	99
53) Dibromochloromethane	11.233	129	49729	19.223	ug/l	100
54) 1,2-Dibromoethane	11.339	107	45308	19.880	ug/l	99
55) 2-Chloroethyl vinyl ether	10.039	63	82714	97.575	ug/l	99
56) Bromoform	12.457	173	36829	18.877	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	322568	104.251	ug/l	98
59) 2-Hexanone	11.081	43	235774	103.726	ug/l	98
61) Tetrachloroethene	10.975	164	40564	20.628	ug/l	91
62) Toluene	10.498	91	180910	20.393	ug/l	97
64) Chlorobenzene	11.769	112	113213	20.459	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	46696	20.409	ug/l	98
66) Ethyl Benzene	11.839	91	201932	20.238	ug/l	99
67) m/p-Xylenes	11.951	106	155876	41.204	ug/l	95
68) o-Xylene	12.275	106	77639	20.762	ug/l	96
69) Styrene	12.292	104	119465	20.059	ug/l	95
70) Isopropylbenzene	12.575	105	205322	20.692	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.822	83	62818	20.731	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	60555m	21.307	ug/l	
73) Bromobenzene	12.857	156	48417	20.274	ug/l	98
74) n-propylbenzene	12.916	91	222041	20.441	ug/l	99
75) 2-Chlorotoluene	13.004	91	142814	20.349	ug/l	95
76) 1,3,5-Trimethylbenzene	13.057	105	172300	20.302	ug/l	100
77) t-1,4-Dichloro-2-butene	12.622	75	17620	18.764	ug/l	81
78) 4-Chlorotoluene	13.104	91	130419	19.826	ug/l	95
79) tert-butylbenzene	13.322	119	149819	20.092	ug/l	99
80) 1,2,4-Trimethylbenzene	13.363	105	169222m	19.977	ug/l	
81) sec-Butylbenzene	13.498	105	198163	20.044	ug/l	99
82) p-Isopropyltoluene	13.610	119	160878	19.662	ug/l	99
83) 1,3-Dichlorobenzene	13.610	146	81120	19.898	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	79403	20.016	ug/l	96
85) n-Butylbenzene	13.939	91	112288	18.519	ug/l	99
86) Hexachloroethane	14.204	117	28613	18.992	ug/l	85
87) 1,2-Dichlorobenzene	13.986	146	80336	20.157	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	13888	19.470	ug/l	95
89) 1,2,4-Trichlorobenzene	15.257	180	35555	19.708	ug/l	92
90) Hexachlorobutadiene	15.368	225	22608	20.276	ug/l	95
91) Naphthalene	15.504	128	98780	20.634	ug/l	98
92) 1,2,3-Trichlorobenzene	15.692	180	35697	19.438	ug/l	98

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

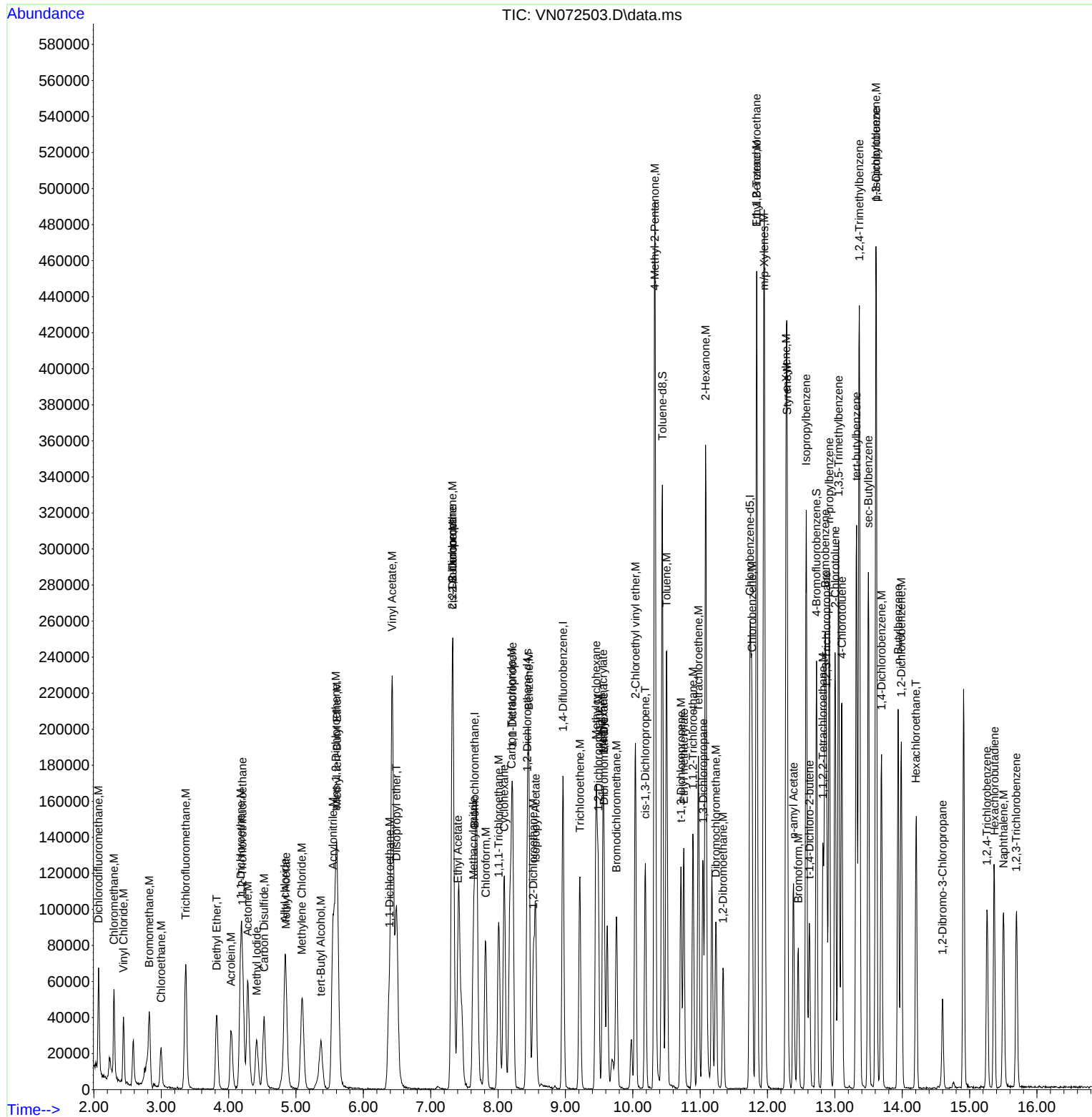
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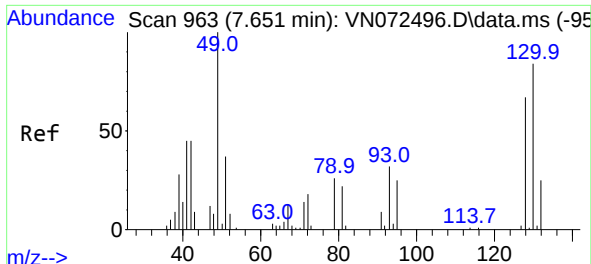
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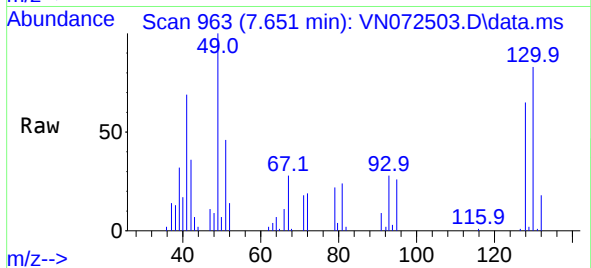
Quant Time: May 16 16:08:58 2022
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

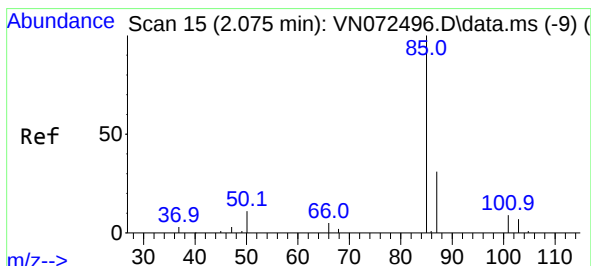
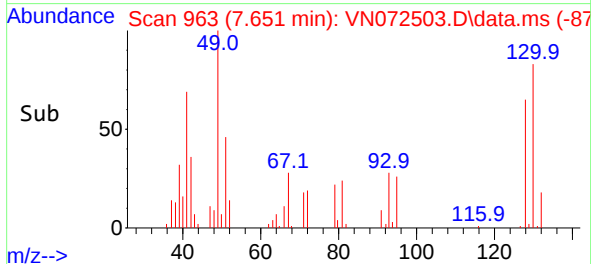
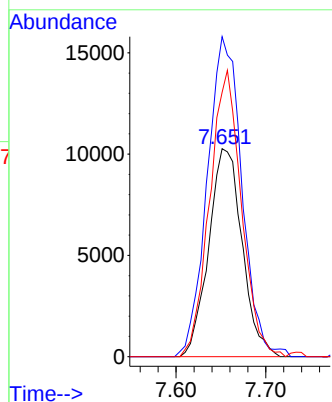
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 26550
Ion Ratio Lower Upper
128 100
49 158.1 0.0 392.3
130 130.8 0.0 320.2

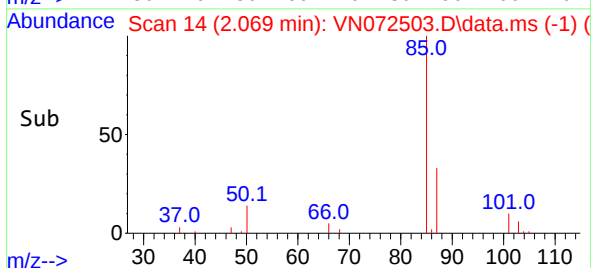
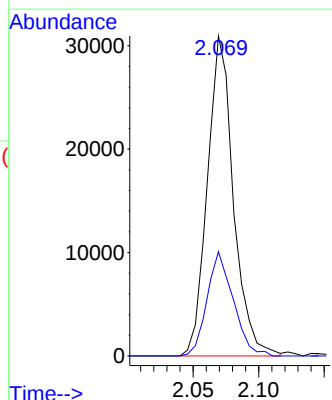
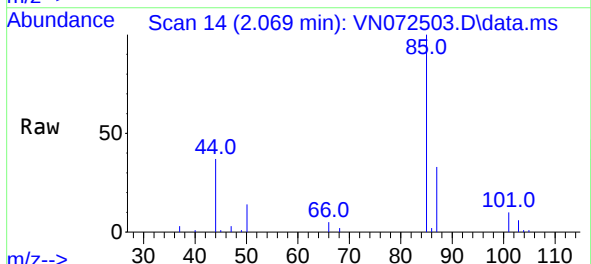
Manual Integrations
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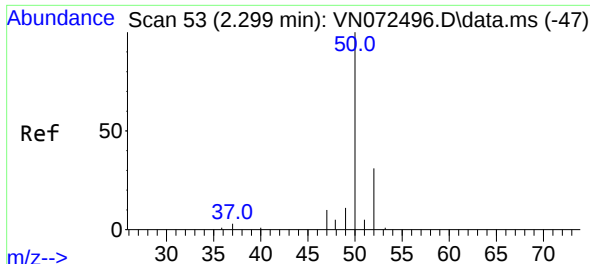
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#2
Dichlorodifluoromethane
Concen: 19.395 ug/l
RT: 2.069 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

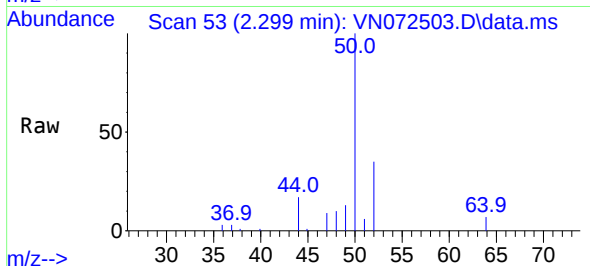
Tgt Ion: 85 Resp: 42785
Ion Ratio Lower Upper
85 100
87 32.6 16.6 49.7





#3
Chloromethane
Concen: 19.777 ug/l
RT: 2.299 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

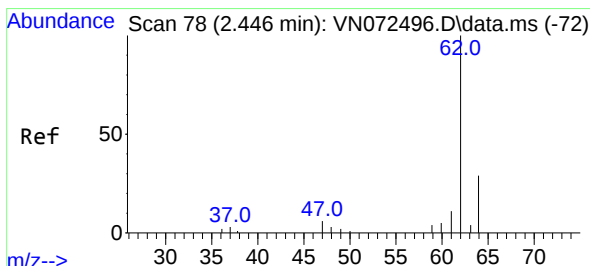
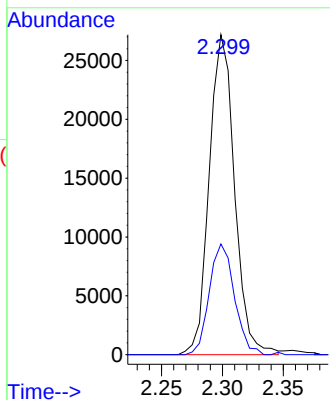
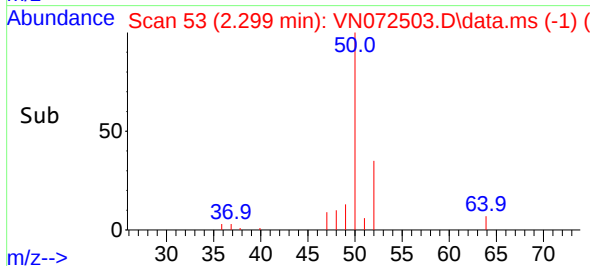
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ClientSampleId :
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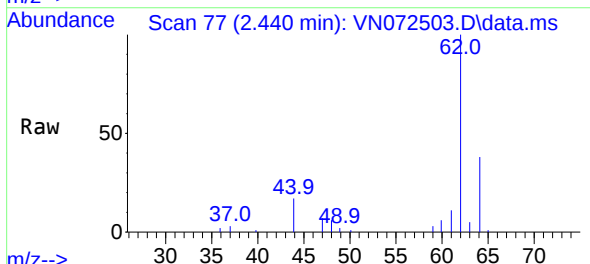
Tgt Ion: 50 Resp: 39404
Ion Ratio Lower Upper
50 100
52 34.6 27.8 41.6

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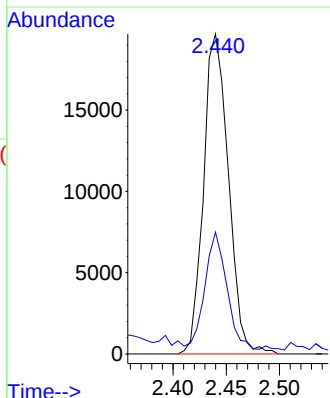
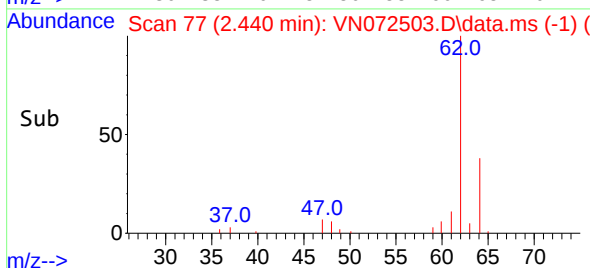
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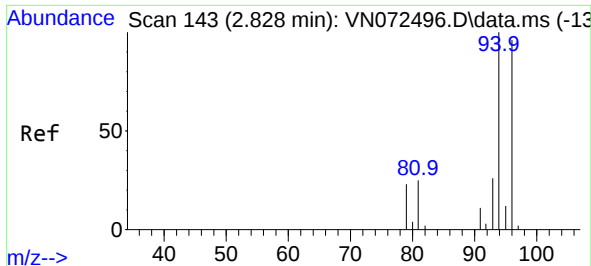


#4
Vinyl Chloride
Concen: 19.003 ug/l
RT: 2.440 min Scan# 77
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



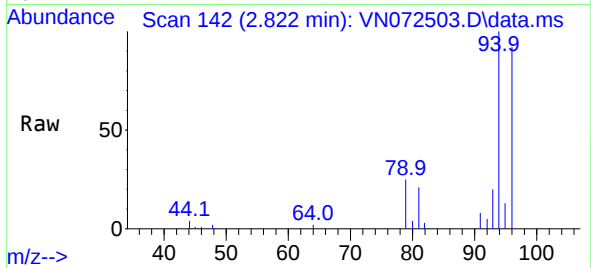
Tgt Ion: 62 Resp: 31961
Ion Ratio Lower Upper
62 100
64 36.4 25.1 37.7





#5
Bromomethane
Concen: 19.842 ug/l
RT: 2.822 min Scan# 143
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

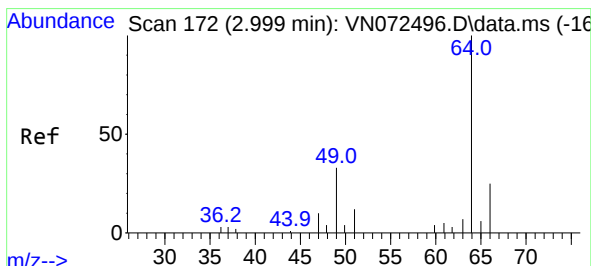
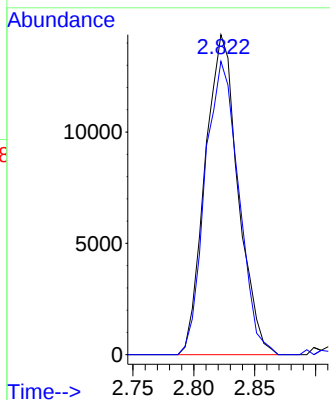
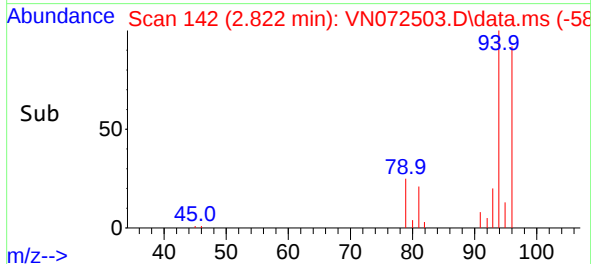
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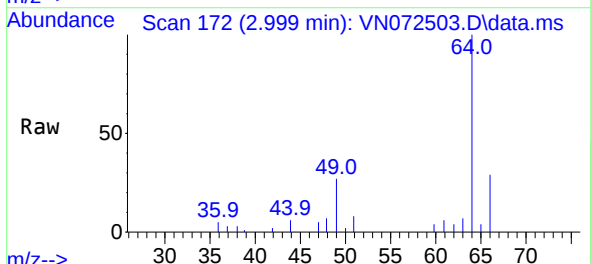
Tgt Ion: 94 Resp: 27144
Ion Ratio Lower Upper
94 100
96 91.7 75.2 112.8

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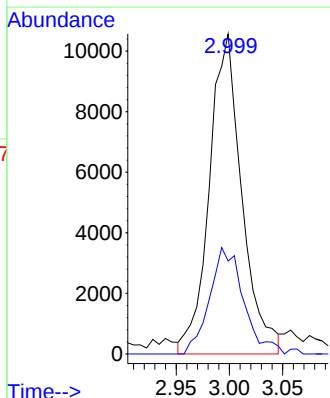
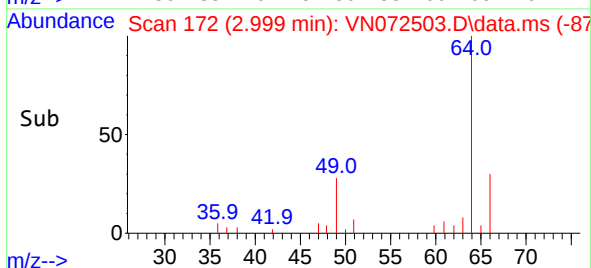
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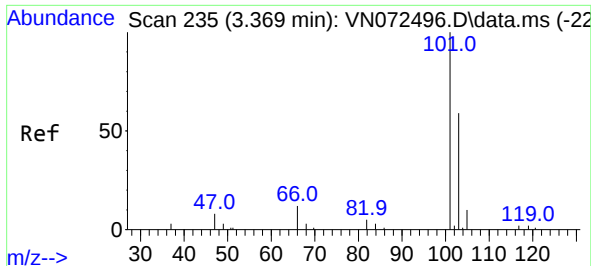


#6
Chloroethane
Concen: 20.432 ug/l
RT: 2.999 min Scan# 172
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 64 Resp: 22441
Ion Ratio Lower Upper
64 100
66 30.1 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 19.855 ug/l
 RT: 3.363 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN072503.D
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Instrument :

MSVOA_N

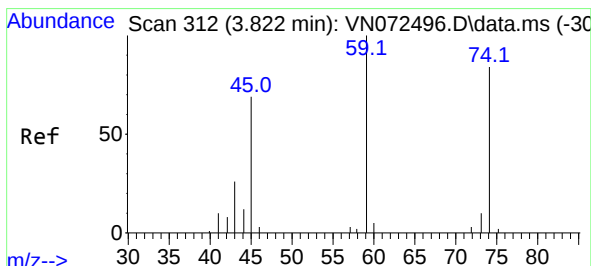
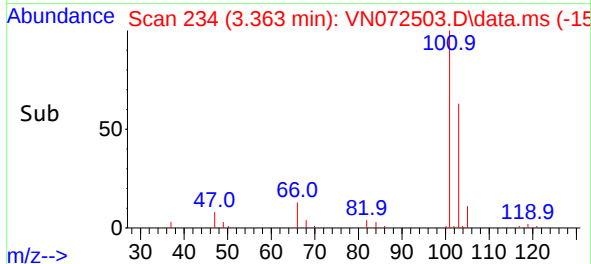
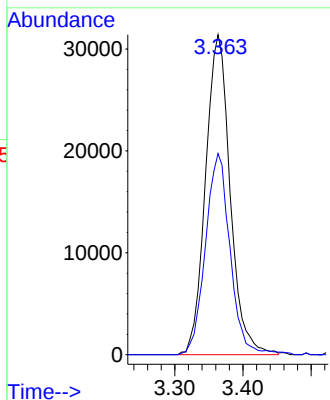
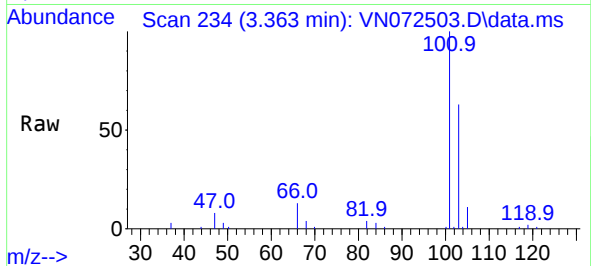
ClientSampleId :

VSTDCCC020

Tgt Ion:101 Resp: 7888
 Ion Ratio Lower Upper
 101 100
 103 62.9 50.1 75.1

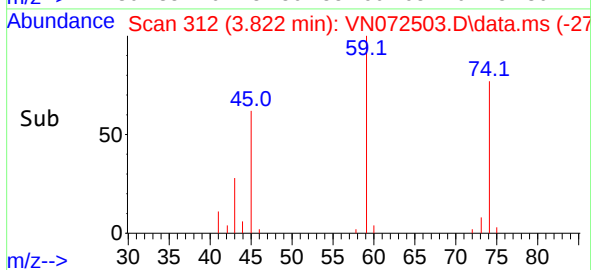
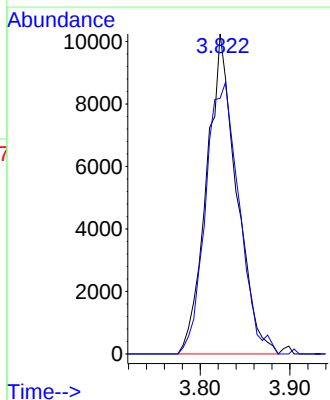
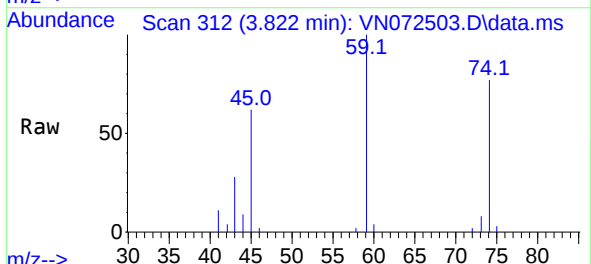
Manual Integrations
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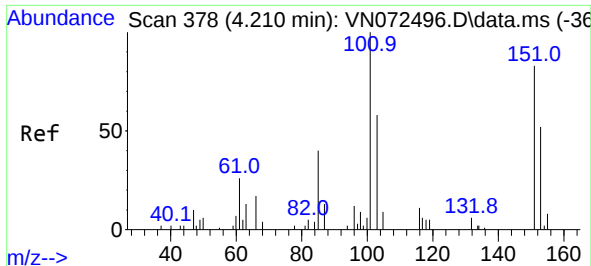
Reviewed By :John Carlone 05/17/2022
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#8
 Diethyl Ether
 Concen: 19.869 ug/l
 RT: 3.822 min Scan# 312
 Delta R.T. 0.000 min
 Lab File: VN072503.D
 Acq: 16 May 2022 15:51

Tgt Ion: 74 Resp: 23747
 Ion Ratio Lower Upper
 74 100
 45 94.0 17.6 158.8





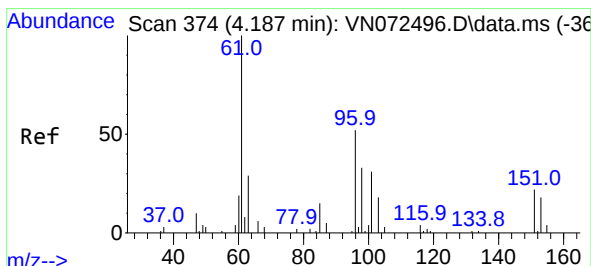
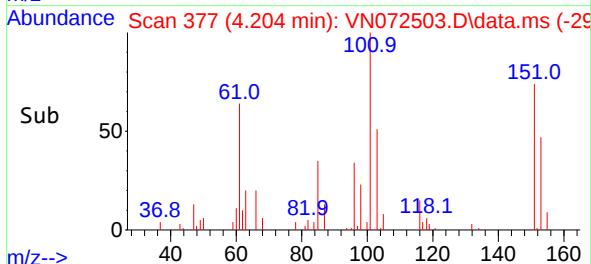
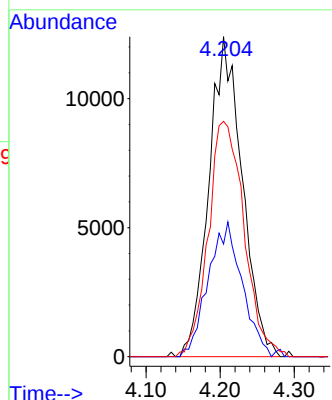
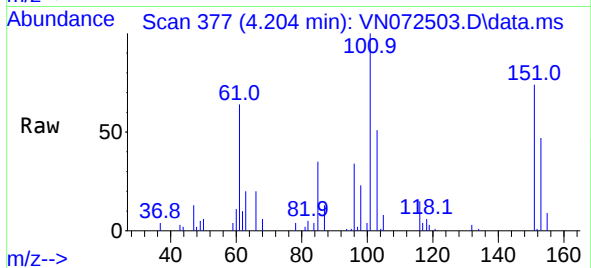
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1,1,2-Trichlorotrifluoroethane
Concen: 20.665 ug/l
RT: 4.204 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 38684
Ion Ratio Lower Upper
101 100
85 42.9 0.0 94.0
151 79.3 0.0 74.6

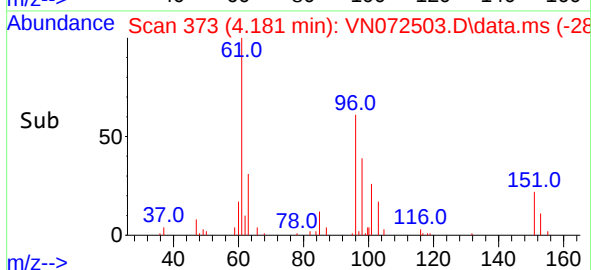
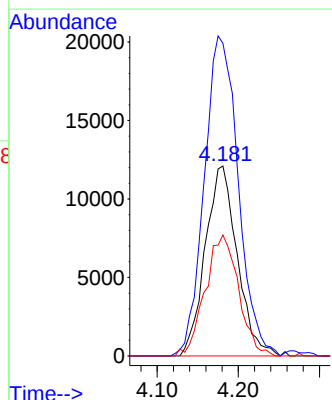
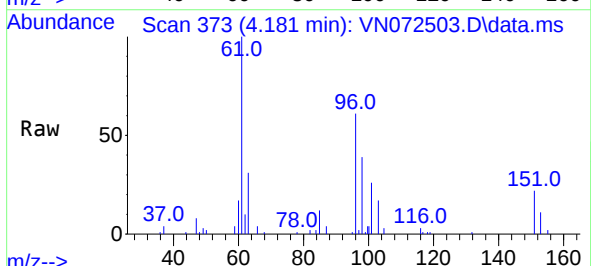
Manual Integrations
APPROVED

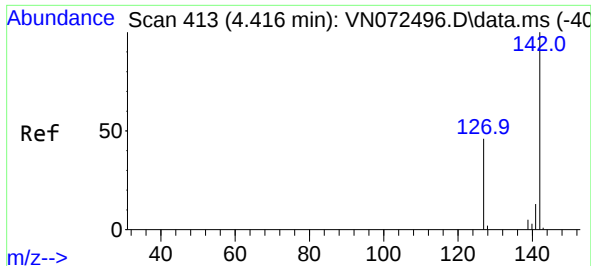
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#10
1,1-Dichloroethene
Concen: 19.581 ug/l
RT: 4.181 min Scan# 373
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

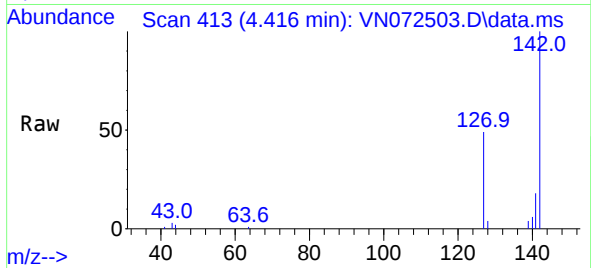
Tgt Ion: 96 Resp: 33052
Ion Ratio Lower Upper
96 100
61 164.6 126.2 189.4
98 63.7 50.9 76.3





#11
Methyl Iodide
Concen: 17.884 ug/l
RT: 4.416 min Scan# 413
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

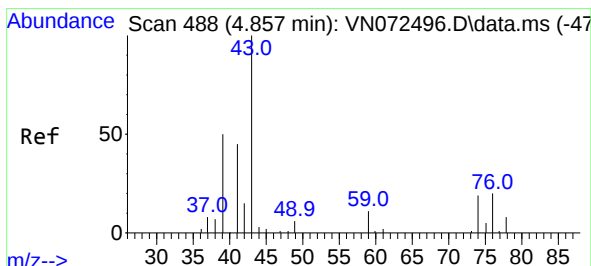
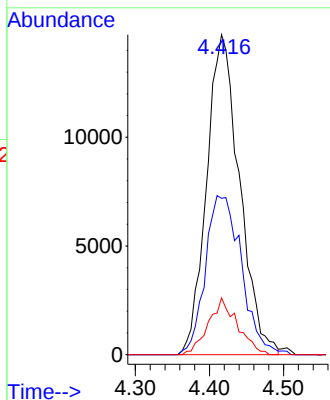
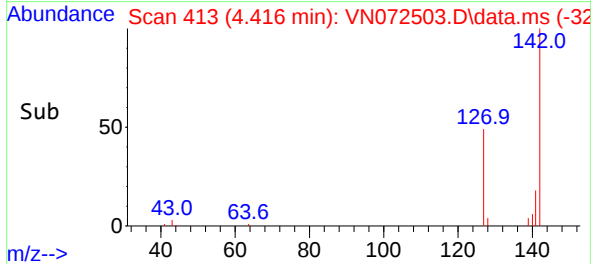
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



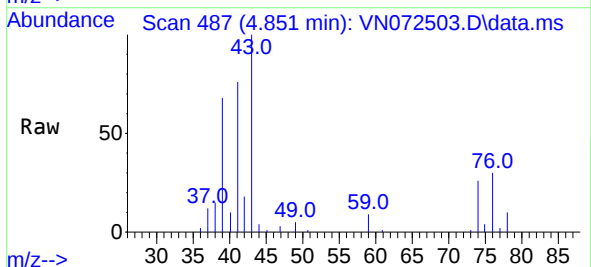
Tgt Ion:142 Resp: 45459
Ion Ratio Lower Upper
142 100
127 48.7 24.0 72.0
141 17.9 8.4 25.2

Manual Integrations
APPROVED

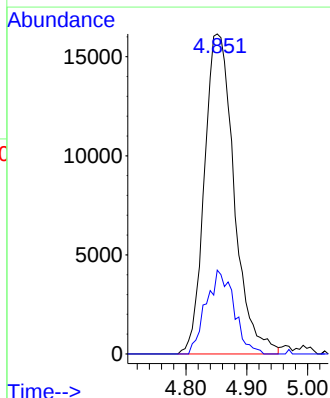
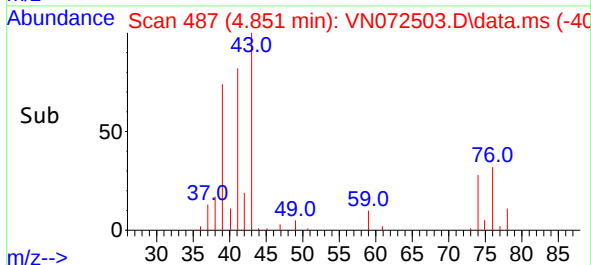
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

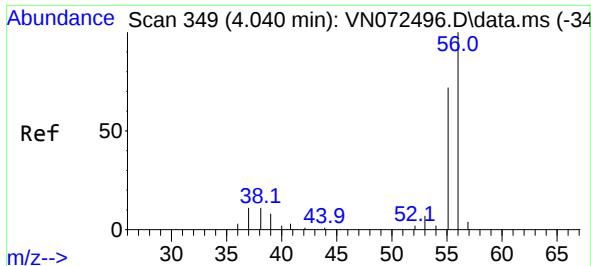


#12
Methyl Acetate
Concen: 20.044 ug/l
RT: 4.851 min Scan# 487
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 43 Resp: 54733
Ion Ratio Lower Upper
43 100
74 26.5 20.8 31.2





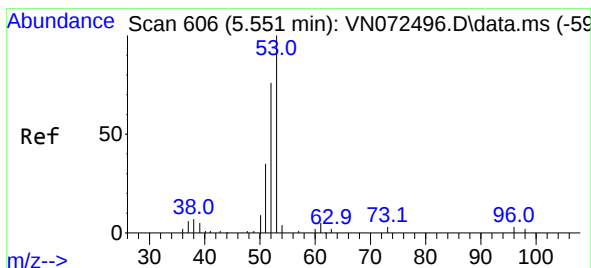
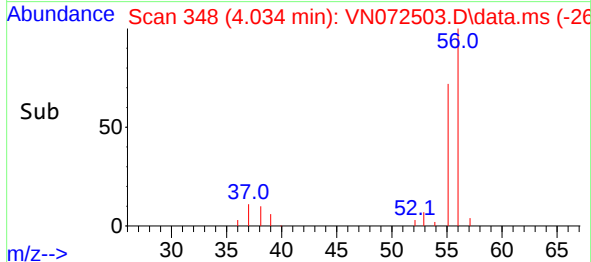
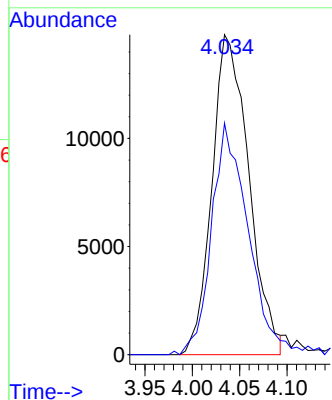
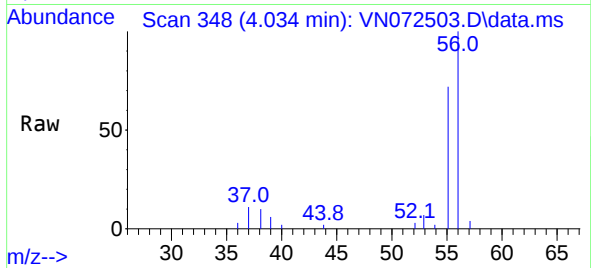
#13
Acrolein
Concen: 93.129 ug/l
RT: 4.034 min Scan# 349
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 39958
Ion Ratio Lower Upper
56 100
55 71.6 57.6 86.4

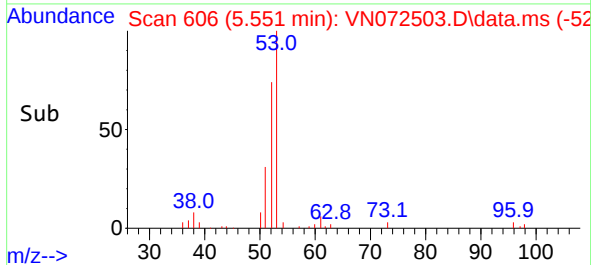
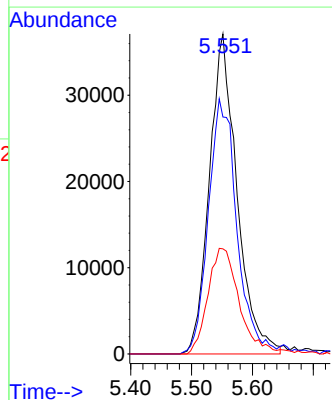
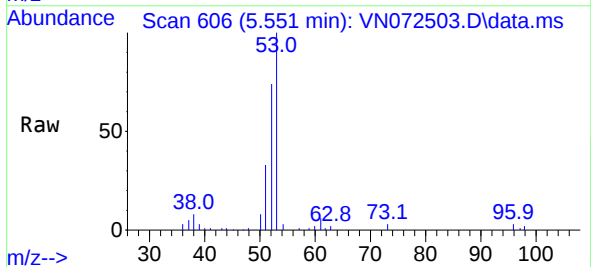
Manual Integrations
APPROVED

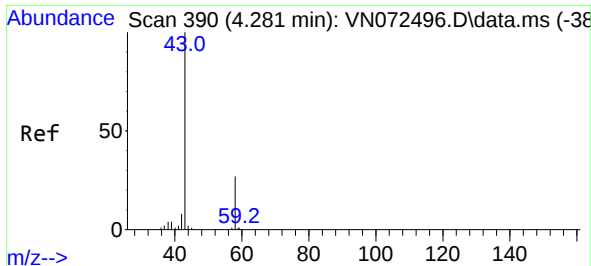
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#14
Acrylonitrile
Concen: 101.407 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

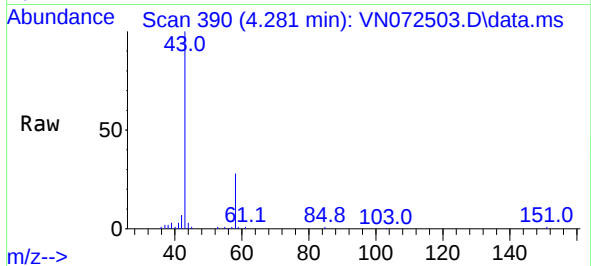
Tgt Ion: 53 Resp: 116829
Ion Ratio Lower Upper
53 100
52 52.9 41.8 125.4
51 36.3 19.0 57.0





#15
Acetone
Concen: 100.169 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

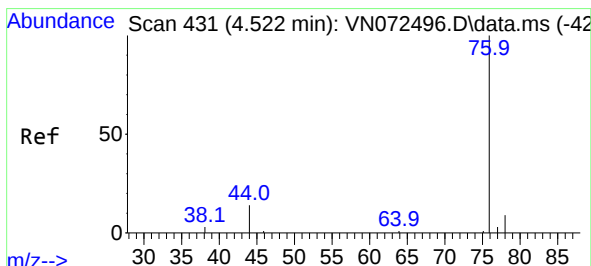
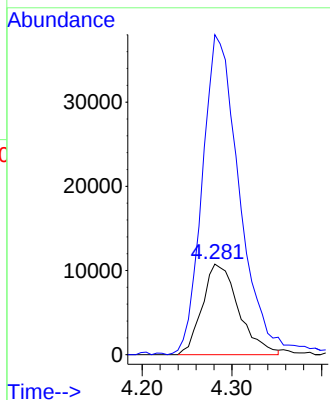
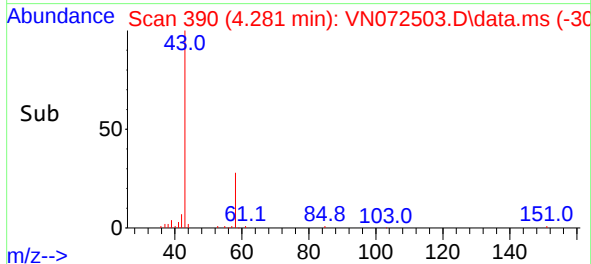
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



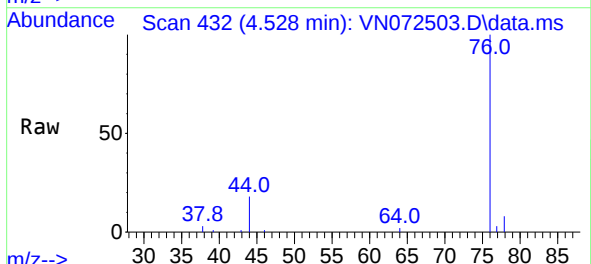
Tgt Ion: 58 Resp: 3026
Ion Ratio Lower Upper
58 100
43 348.2 256.6 384.8

Manual Integrations
APPROVED

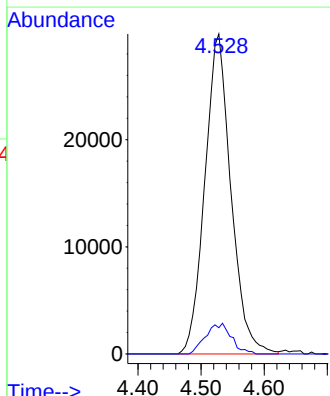
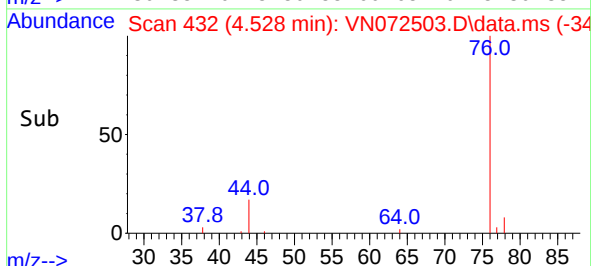
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

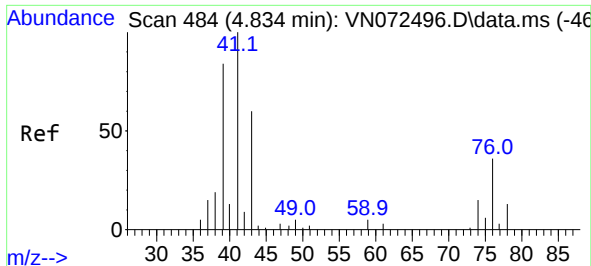


#16
Carbon Disulfide
Concen: 19.570 ug/l
RT: 4.528 min Scan# 432
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



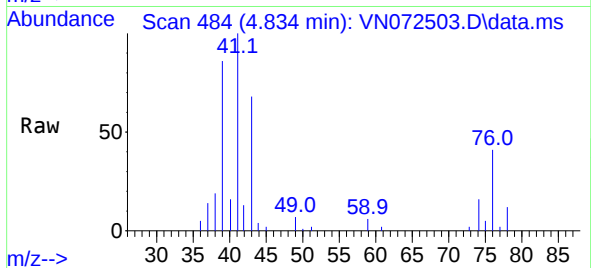
Tgt Ion: 76 Resp: 85685
Ion Ratio Lower Upper
76 100
78 8.2 7.8 11.8





#17
Allyl chloride
Concen: 19.757 ug/l
RT: 4.834 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

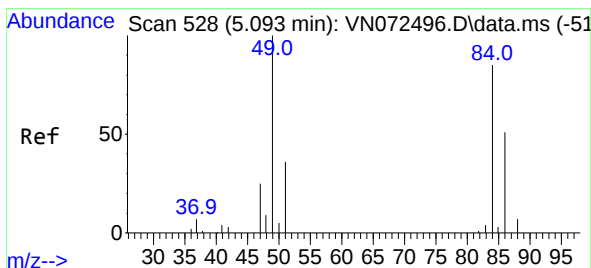
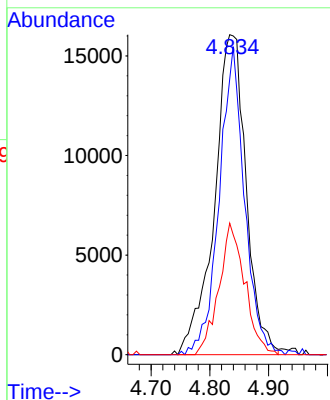
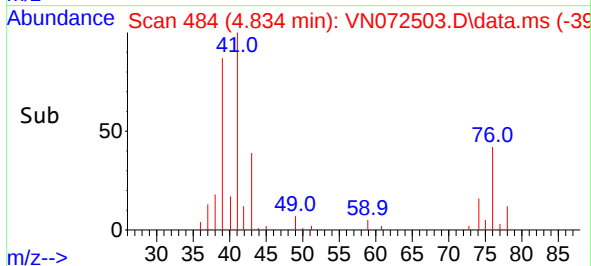
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



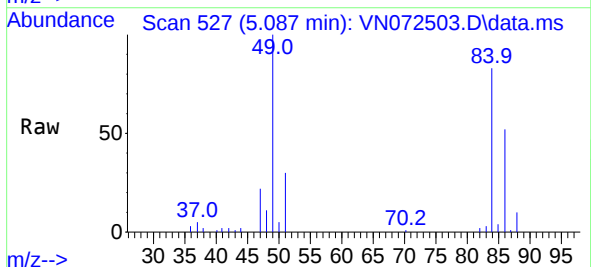
Tgt Ion: 41 Resp: 6019
Ion Ratio Lower Upper
41 100
39 86.1 44.6 134.0
76 41.1 19.6 58.7

Manual Integrations
APPROVED

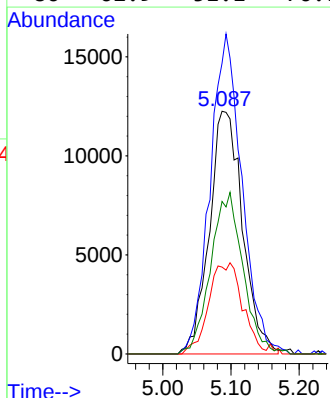
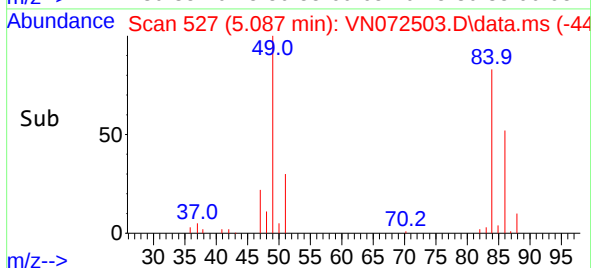
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

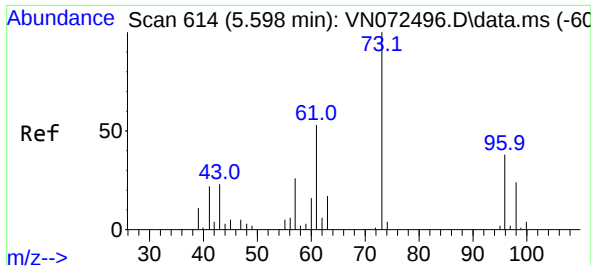


#18
Methylene Chloride
Concen: 20.777 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 84 Resp: 41512
Ion Ratio Lower Upper
84 100
49 119.8 91.4 137.0
51 35.8 29.4 44.0
86 62.9 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 19.559 ug/l

RT: 5.593 min Scan# 614

Delta R.T. -0.006 min

Lab File: VN072503.D

Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 96 Resp: 3626

Ion Ratio Lower Upper

96 100

61 133.3 102.8 154.2

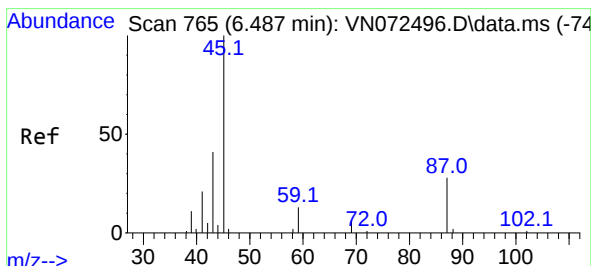
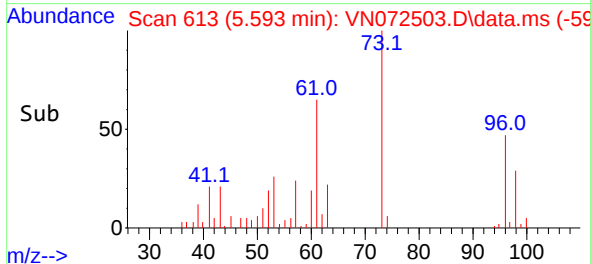
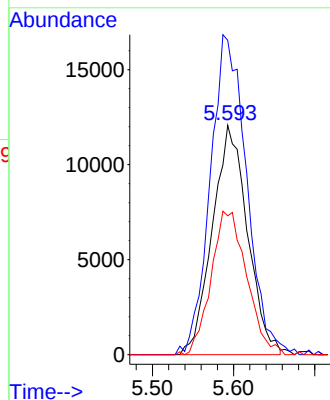
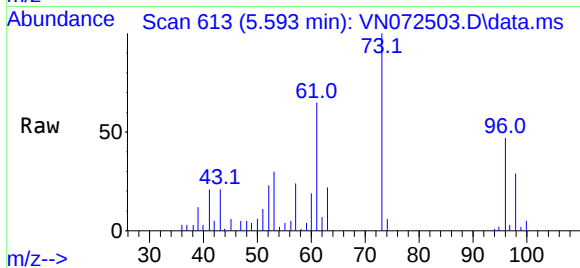
98 59.3 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#20

Diisopropyl ether

Concen: 20.121 ug/l

RT: 6.493 min Scan# 766

Delta R.T. 0.006 min

Lab File: VN072503.D

Acq: 16 May 2022 15:51

Tgt Ion: 45 Resp: 127446

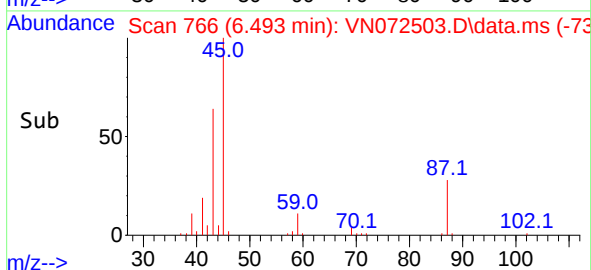
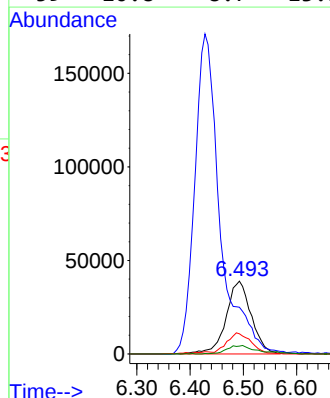
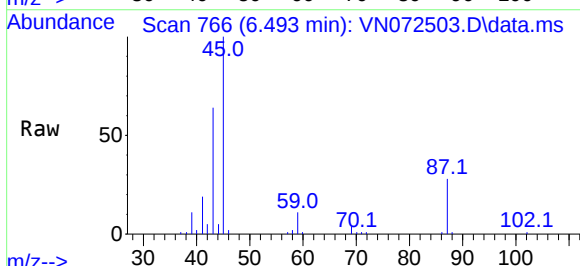
Ion Ratio Lower Upper

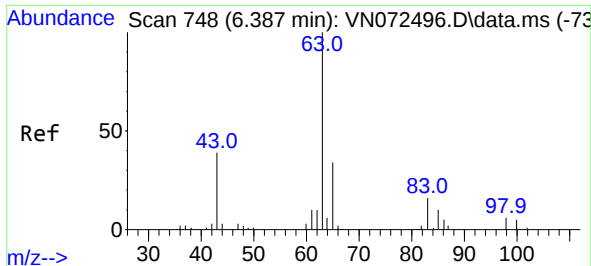
45 100

43 60.8 51.0 76.4

87 27.0 25.0 37.4

59 10.8 8.7 13.1





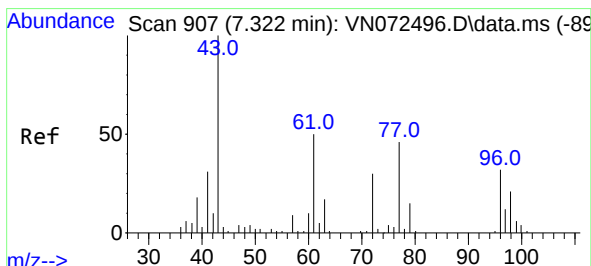
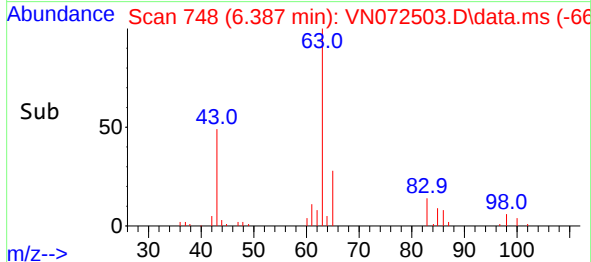
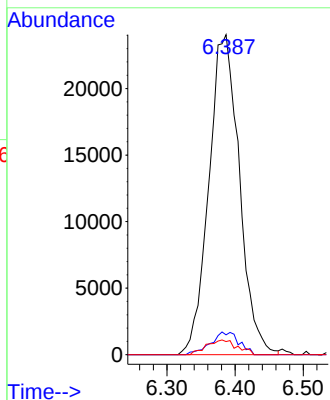
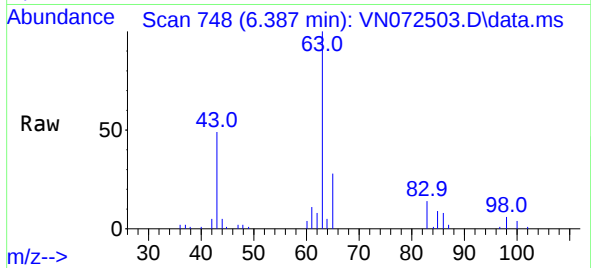
#21
1,1-Dichloroethane
Concen: 19.780 ug/l
RT: 6.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 74925
Ion Ratio Lower Upper
63 100
98 6.2 3.2 9.6
100 4.1 2.1 6.2

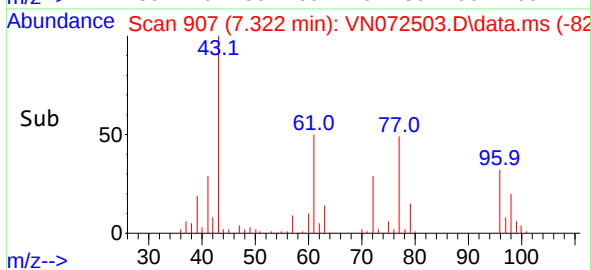
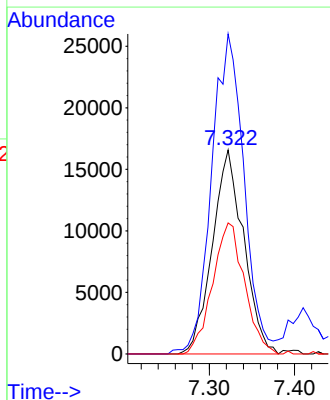
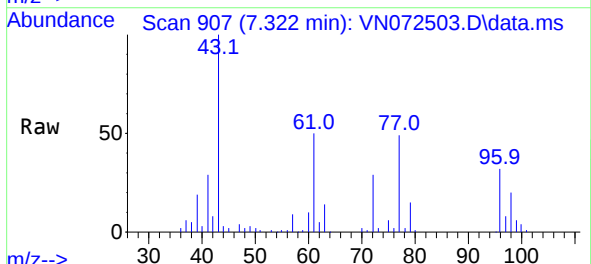
Manual Integrations
APPROVED

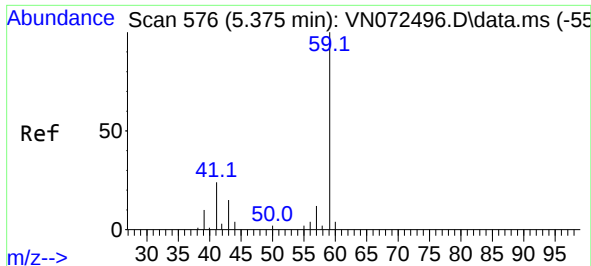
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#22
cis-1,2-Dichloroethene
Concen: 19.402 ug/l
RT: 7.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion: 96 Resp: 42232
Ion Ratio Lower Upper
96 100
61 157.3 115.7 173.5
98 65.6 51.6 77.4





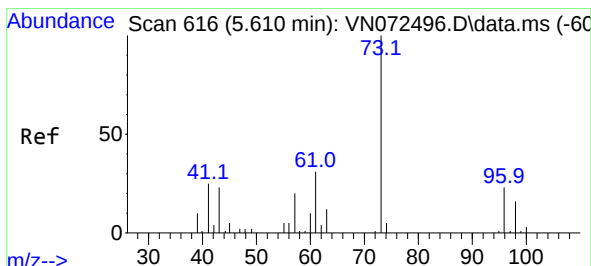
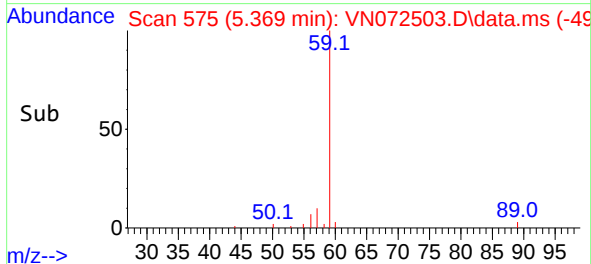
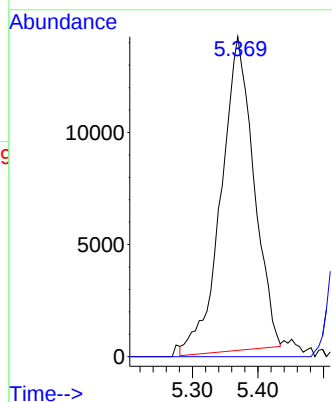
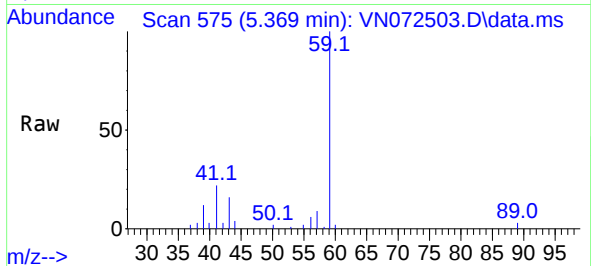
#23
tert-Butyl Alcohol
Concen: 96.095 ug/l
RT: 5.369 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 4856
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

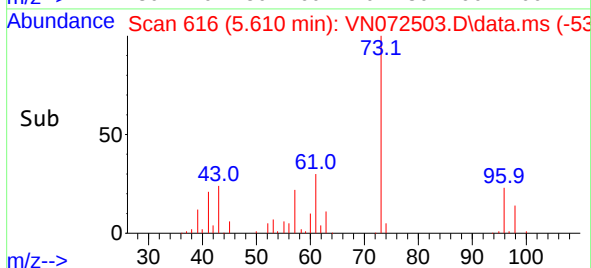
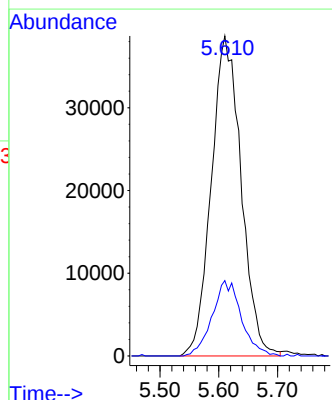
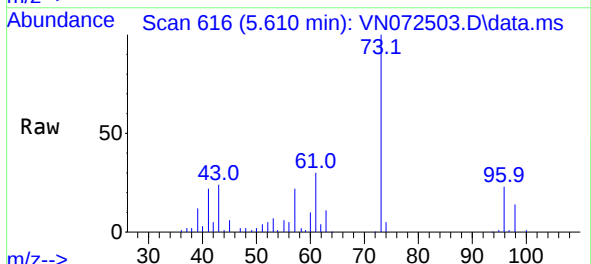
Manual Integrations
APPROVED

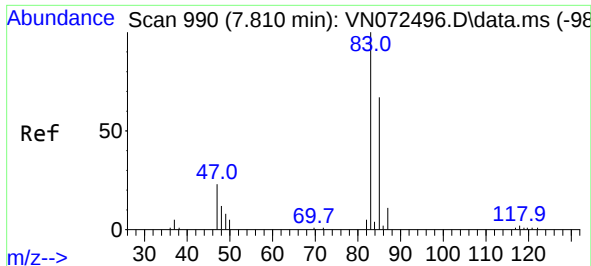
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#24
Methyl tert-Butyl Ether
Concen: 19.703 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

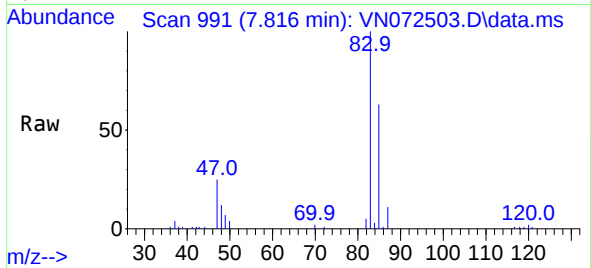
Tgt Ion: 73 Resp: 136439
Ion Ratio Lower Upper
73 100
43 22.9 18.1 27.1





#25
Chloroform
Concen: 20.049 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

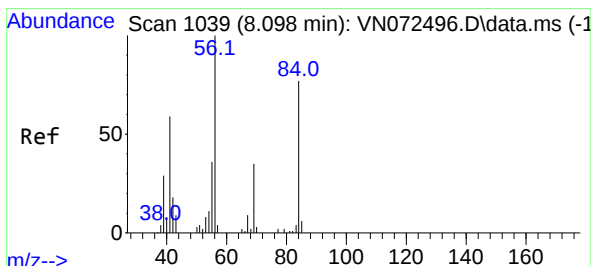
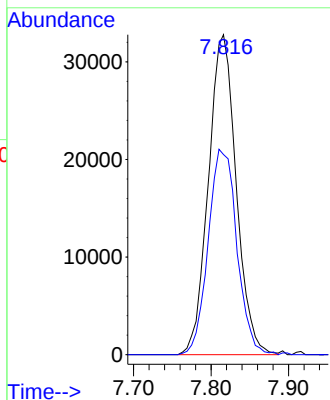
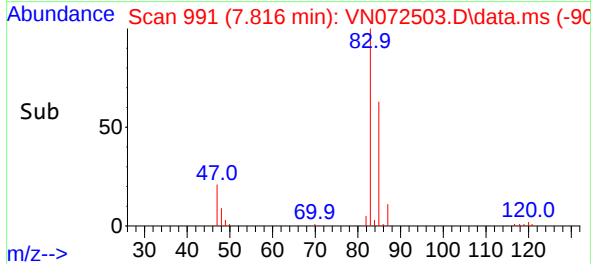
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



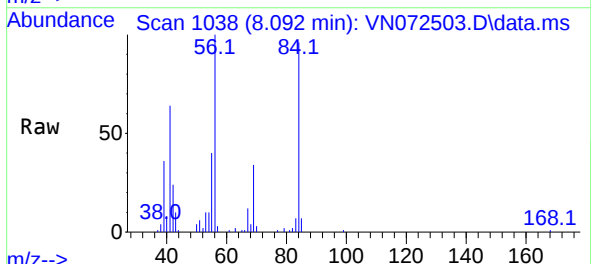
Tgt Ion: 83 Resp: 81904
Ion Ratio Lower Upper
83 100
85 62.6 51.3 76.9

Manual Integrations
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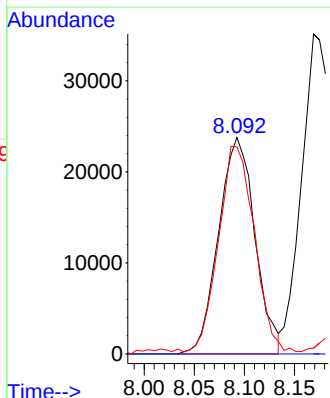
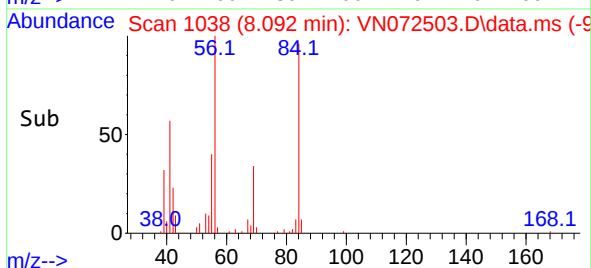
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

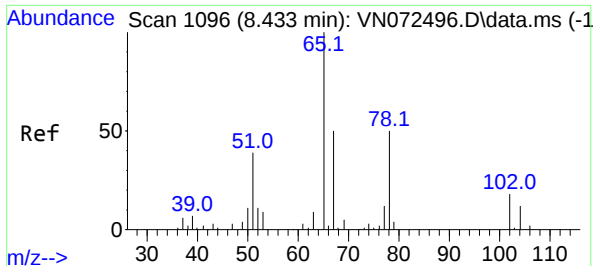


#26
Cyclohexane
Concen: 19.527 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 56 Resp: 60023
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 95.2 74.6 111.8





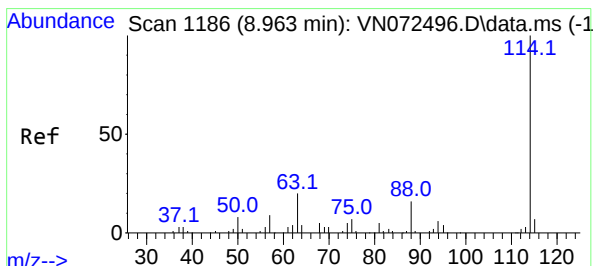
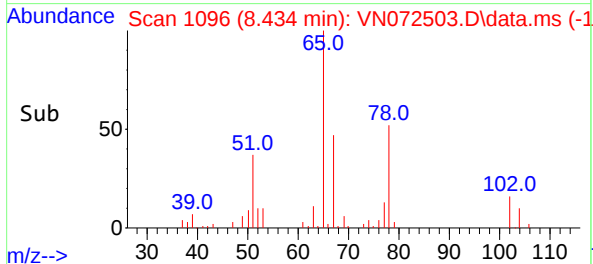
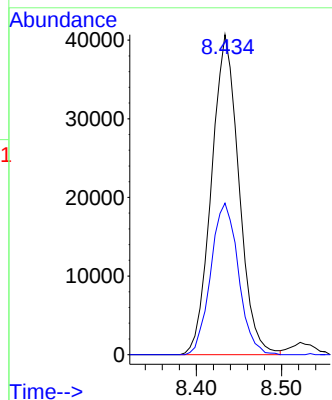
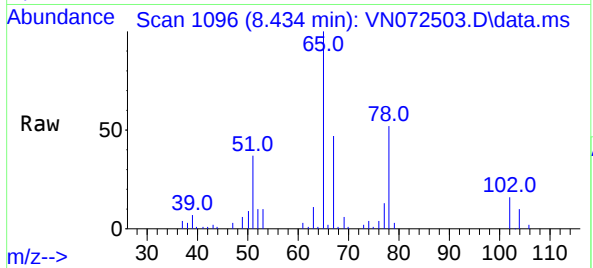
#27
1,2-Dichloroethane-d4
Concen: 30.470 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 91052
Ion Ratio Lower Upper
65 100
67 47.6 40.2 60.2

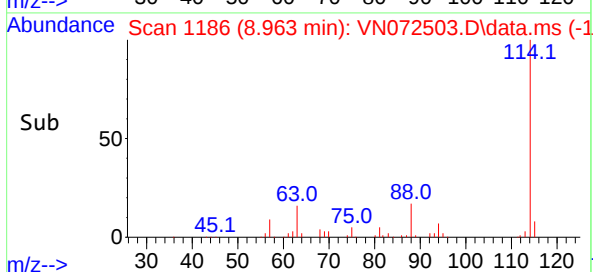
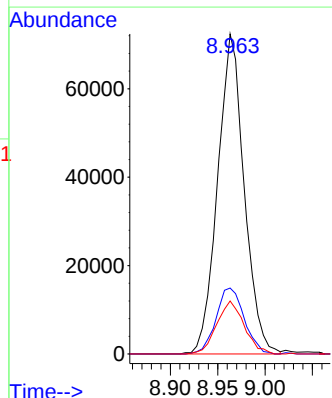
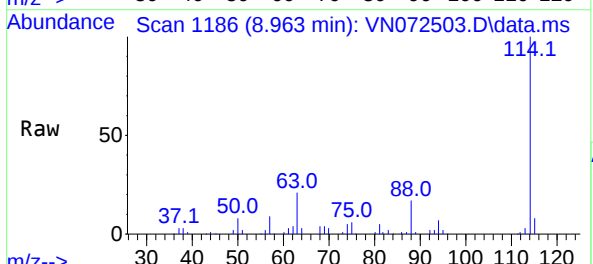
Manual Integrations
APPROVED

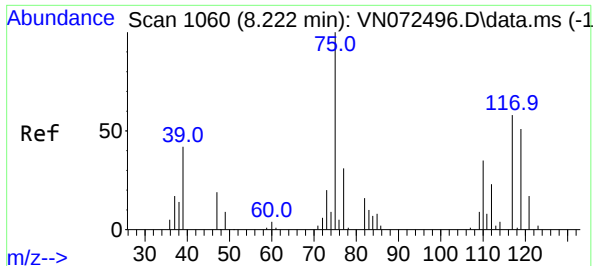
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion:114 Resp: 141160
Ion Ratio Lower Upper
114 100
63 21.9 15.8 23.6
88 17.1 11.6 17.4





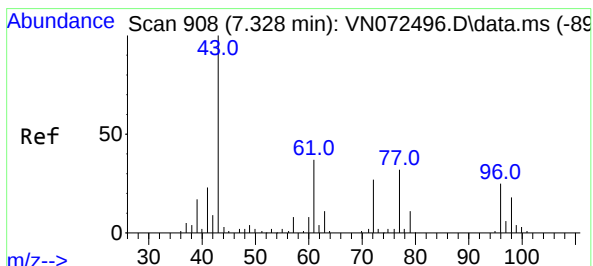
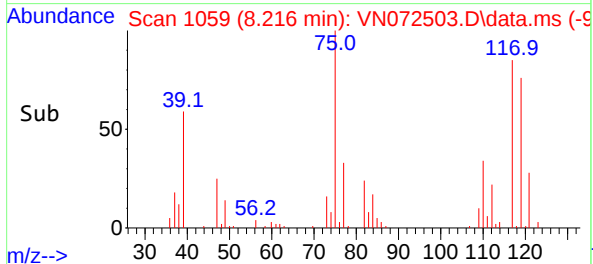
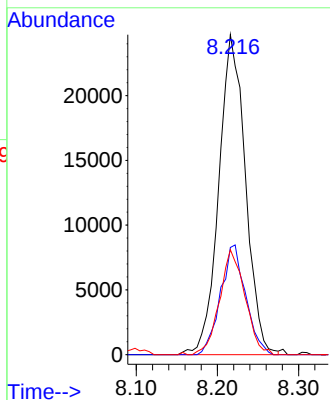
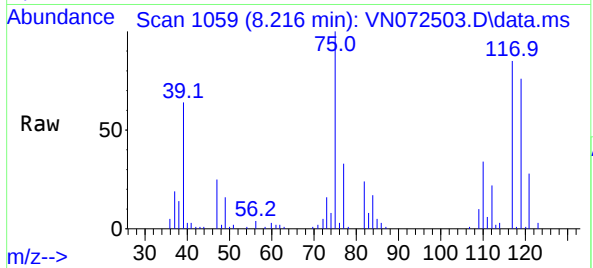
#29
1,1-Dichloropropene
Concen: 20.075 ug/l
RT: 8.216 min Scan# 1059
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 56438
Ion Ratio Lower Upper
75 100
110 32.3 0.0 74.2
77 31.3 0.0 63.2

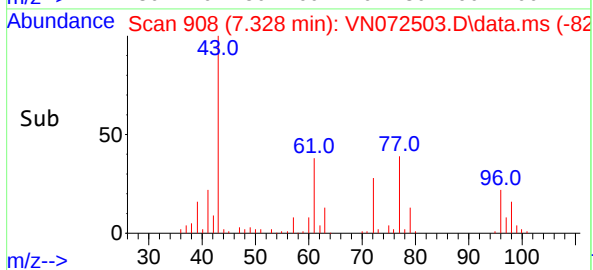
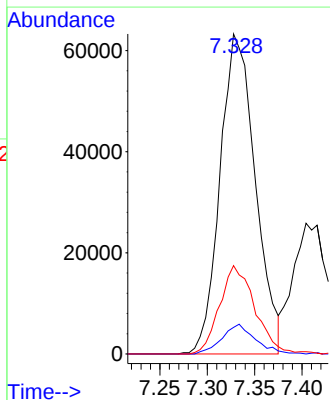
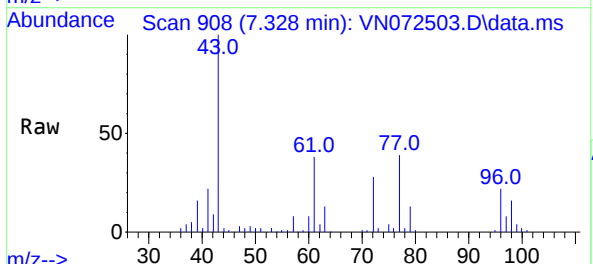
Manual Integrations
APPROVED

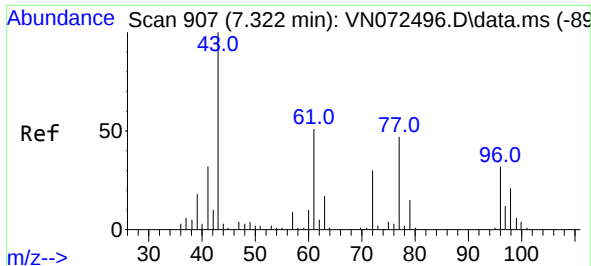
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#30
2-Butanone
Concen: 100.798 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

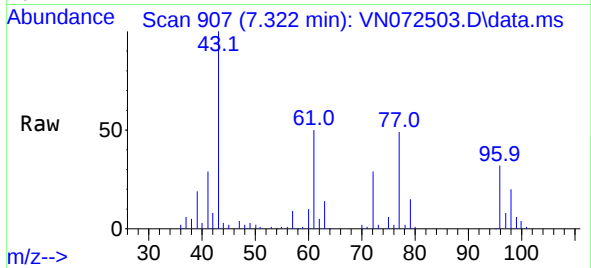
Tgt Ion: 43 Resp: 164011
Ion Ratio Lower Upper
43 100
57 8.7 6.7 10.1
72 27.4 23.2 34.8





#31
2,2-Dichloropropane
Concen: 20.726 ug/l
RT: 7.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

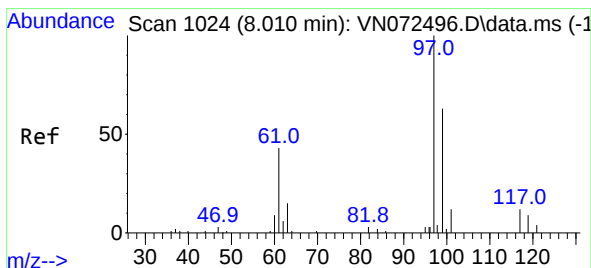
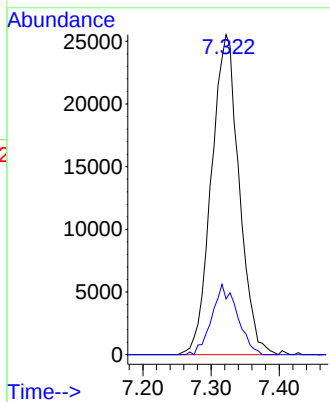
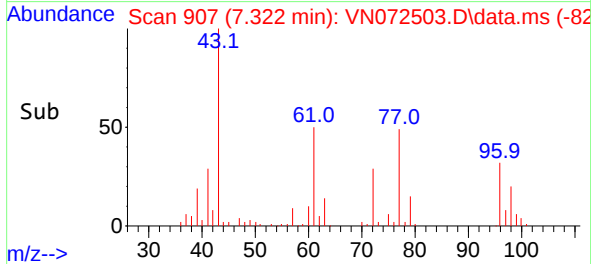
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



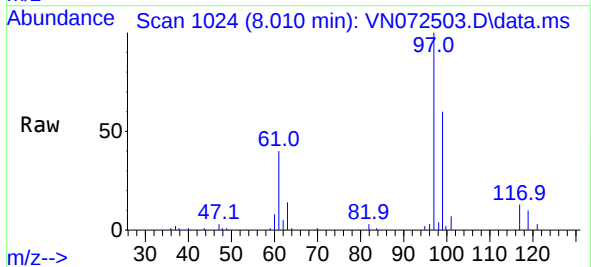
Tgt Ion: 77 Resp: 7228
Ion Ratio Lower Upper
77 100
97 11.7 18.3 27.5

Manual Integrations
APPROVED

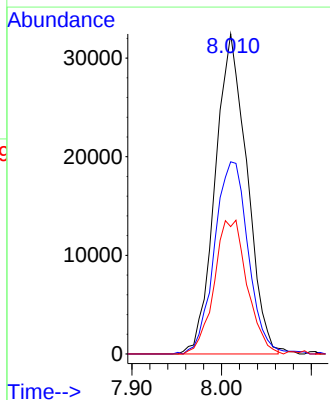
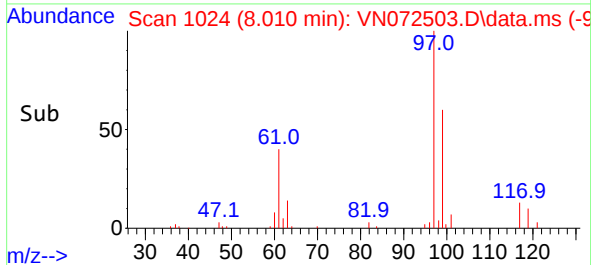
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

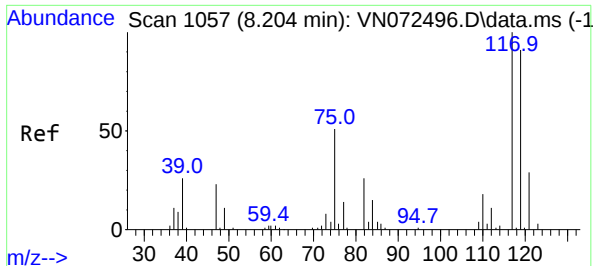


#32
1,1,1-Trichloroethane
Concen: 19.881 ug/l
RT: 8.010 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 97 Resp: 79722
Ion Ratio Lower Upper
97 100
99 64.0 50.4 75.6
61 43.4 34.6 51.8





#33
Carbon Tetrachloride
Concen: 19.571 ug/l
RT: 8.198 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

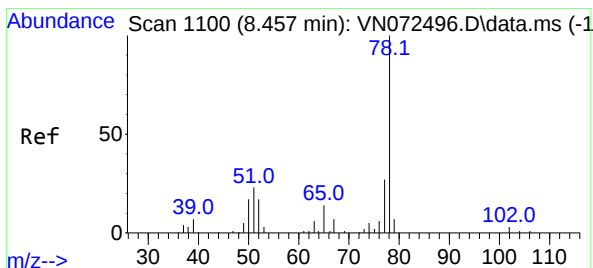
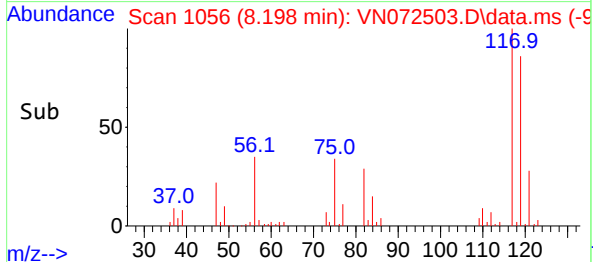
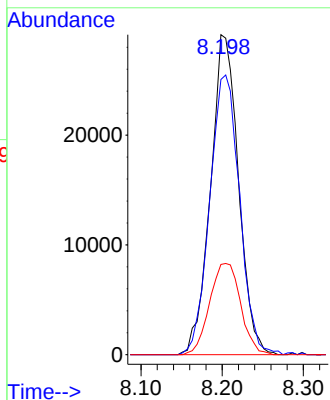
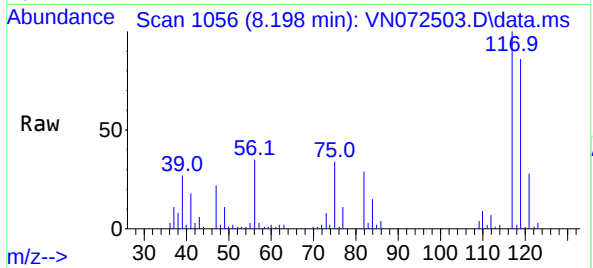
VSTDCCC020

Tgt Ion:117 Resp: 6974
Ion Ratio Lower Upper
117 100
119 86.0 77.5 116.3
121 28.2 23.5 35.3

Manual Integrations

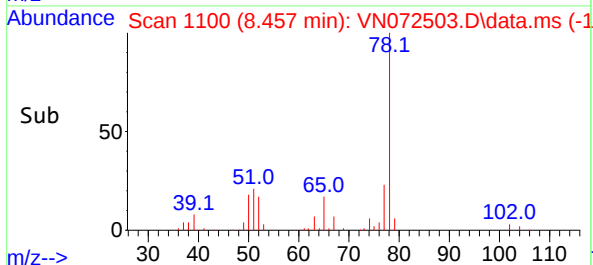
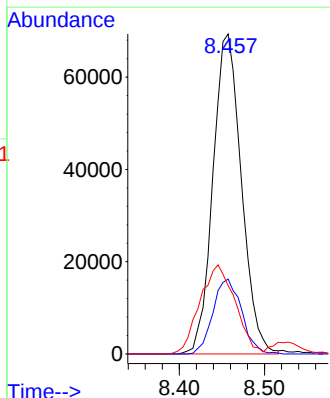
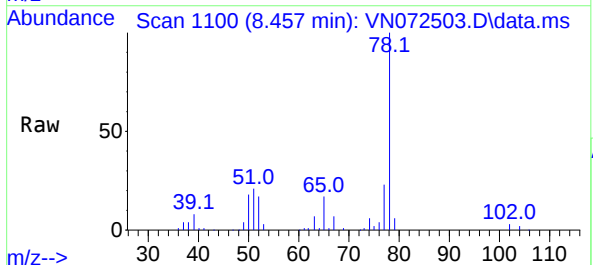
APPROVED

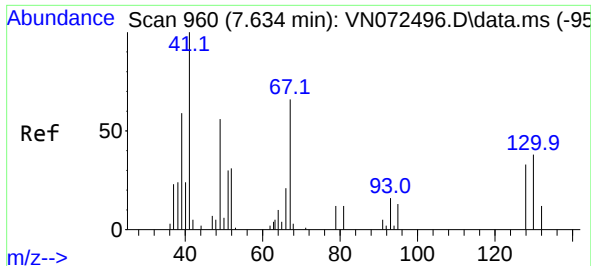
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#34
Benzene
Concen: 20.120 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion: 78 Resp: 160724
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7
51 20.5 16.0 24.0





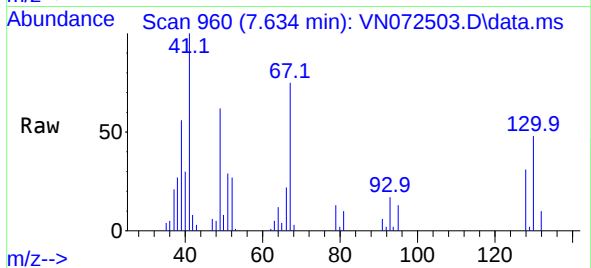
#35
Methacrylonitrile
Concen: 16.994 ug/l
RT: 7.634 min Scan# 960
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

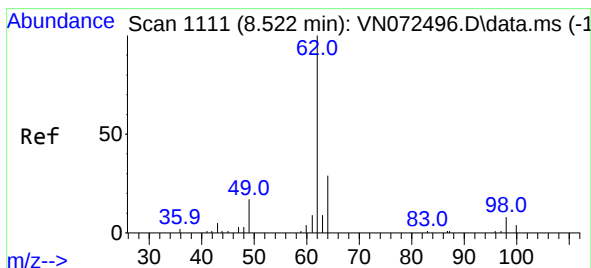
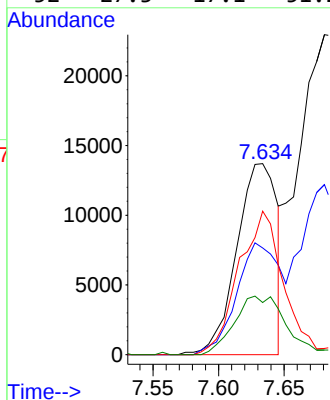
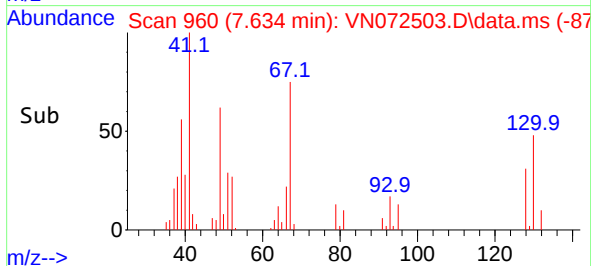


Tgt Ion: 41 Resp: 29230
Ion Ratio Lower Upper
41 100
39 55.9 28.0 83.9
67 75.1 37.7 113.1
52 27.3 17.1 51.2

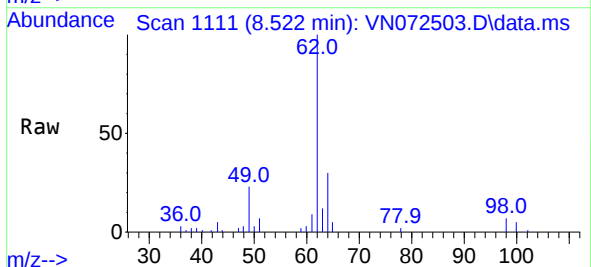
Manual Integrations

APPROVED

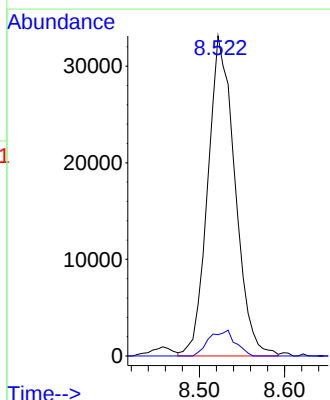
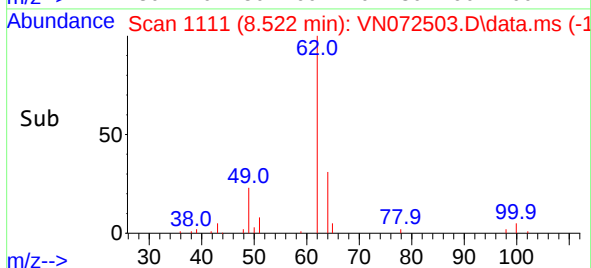
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

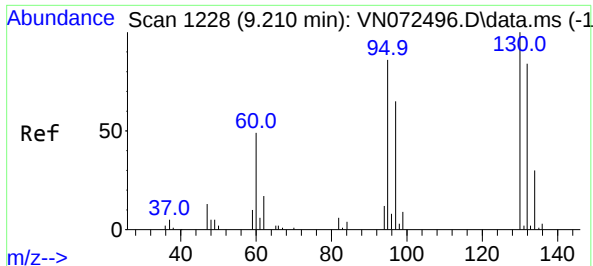


#36
1,2-Dichloroethane
Concen: 19.731 ug/l
RT: 8.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 62 Resp: 73401
Ion Ratio Lower Upper
62 100
98 3.6 6.6 10.0#





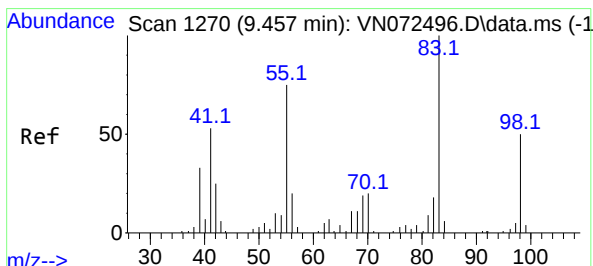
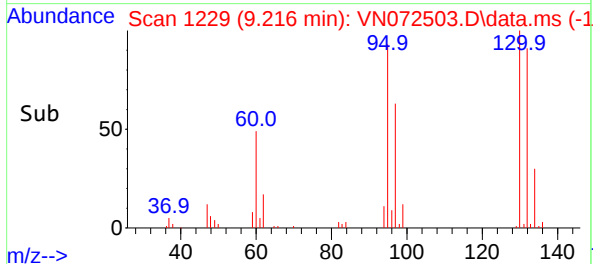
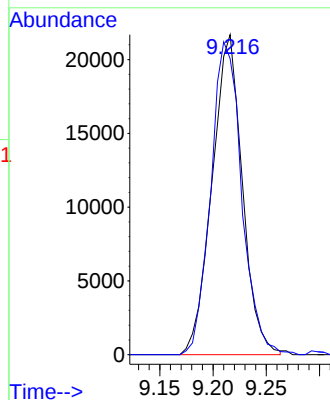
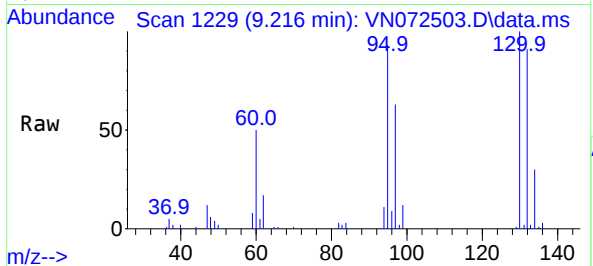
#37
Trichloroethene
Concen: 19.728 ug/l
RT: 9.216 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:130 Resp: 42754
Ion Ratio Lower Upper
130 100
95 92.5 76.6 115.0

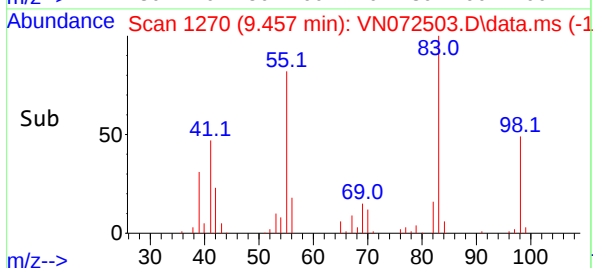
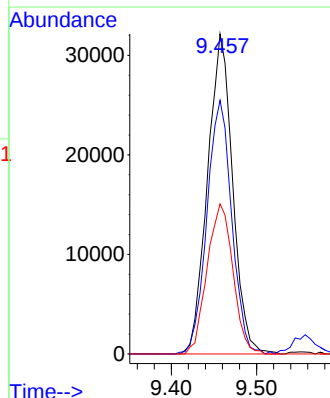
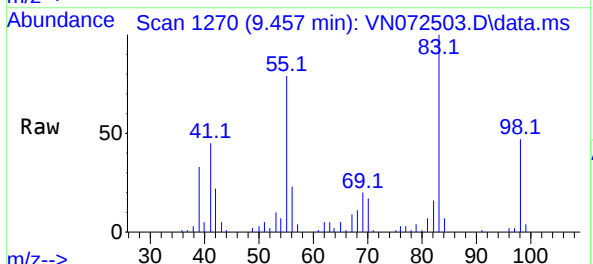
Manual Integrations
APPROVED

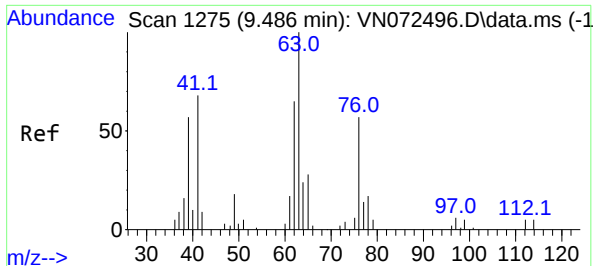
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#38
Methylcyclohexane
Concen: 20.222 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion: 83 Resp: 65728
Ion Ratio Lower Upper
83 100
55 78.3 35.1 105.3
98 48.3 23.4 70.2





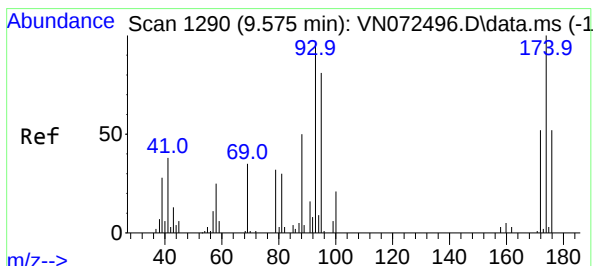
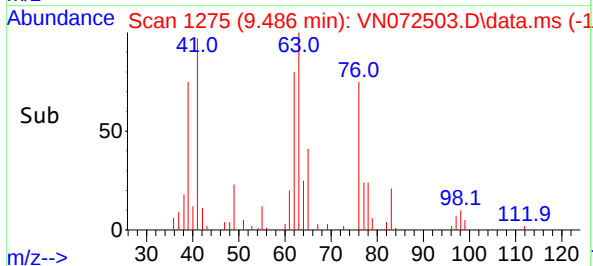
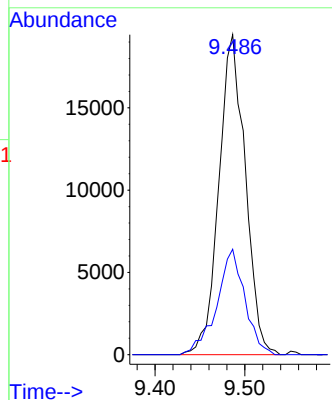
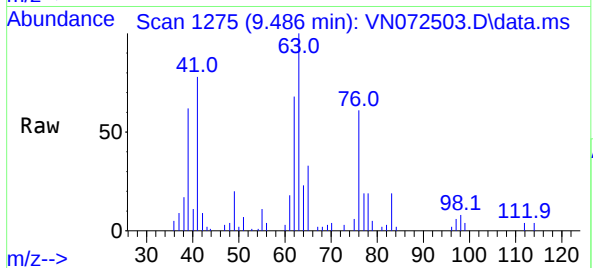
#39
1,2-Dichloropropane
Concen: 19.732 ug/l
RT: 9.486 min Scan# 1275
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 39700
Ion Ratio Lower Upper
63 100
65 33.0 24.2 36.4

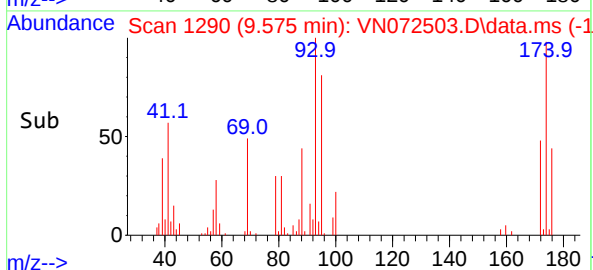
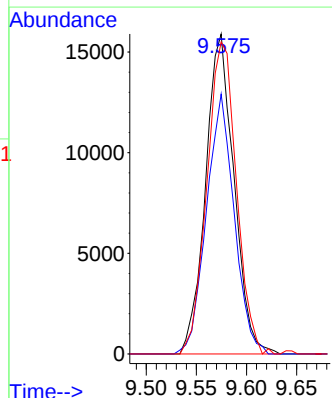
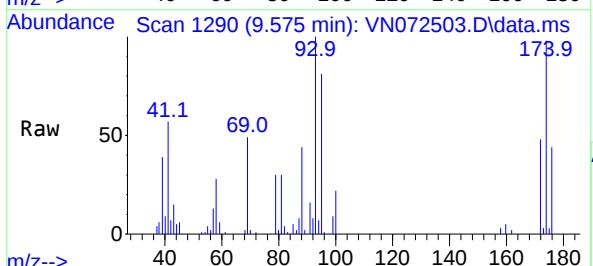
Manual Integrations
APPROVED

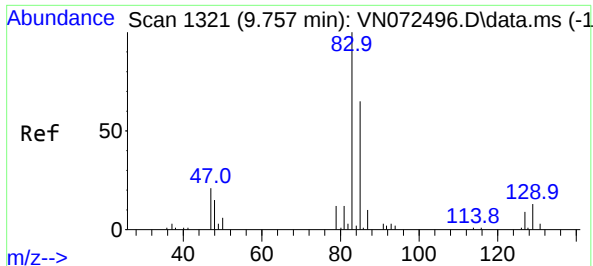
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#40
Dibromomethane
Concen: 20.170 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

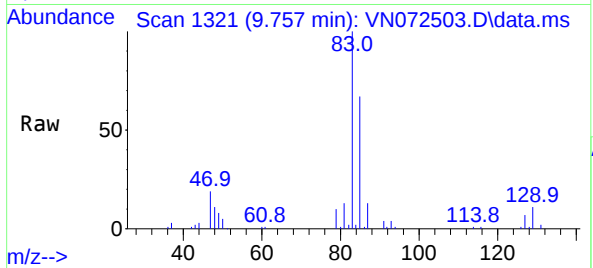
Tgt Ion: 93 Resp: 31330
Ion Ratio Lower Upper
93 100
95 79.4 0.0 168.8
174 101.0 0.0 173.6





#41
Bromodichloromethane
Concen: 19.500 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

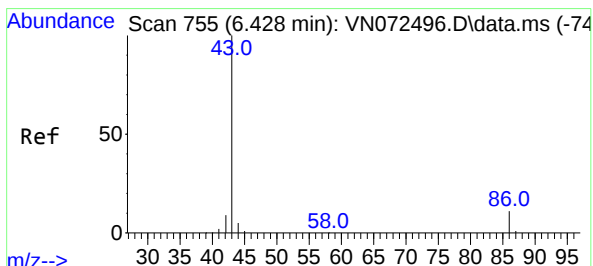
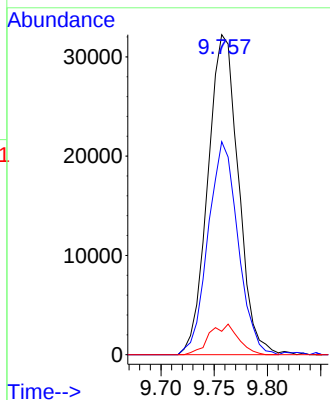
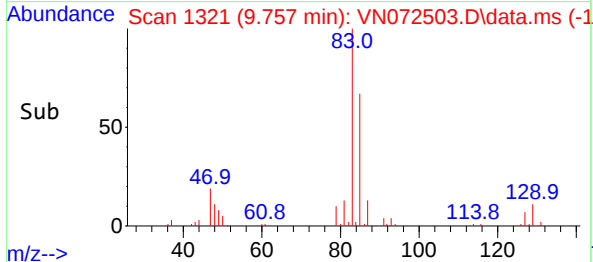
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



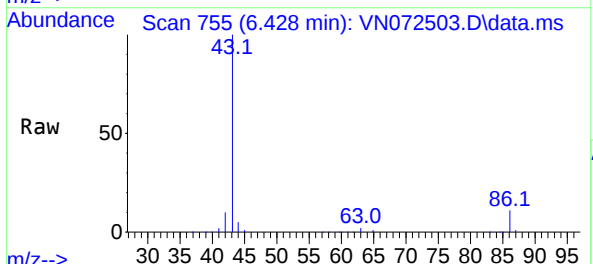
Tgt Ion: 83 Resp: 6417
Ion Ratio Lower Upper
83 100
85 66.5 54.1 81.1
127 7.3 7.6 11.4

Manual Integrations
APPROVED

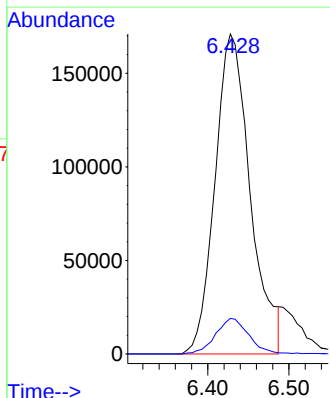
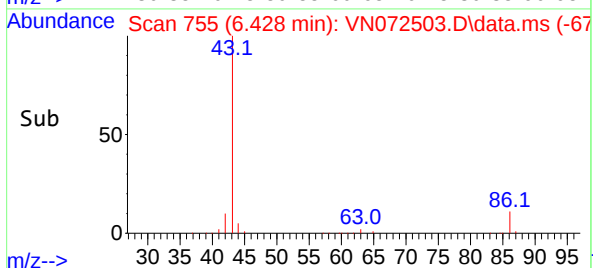
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

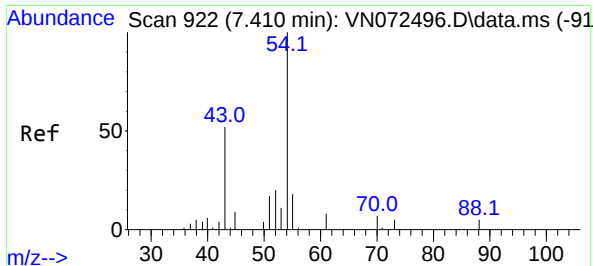


#42
Vinyl Acetate
Concen: 94.391 ug/l
RT: 6.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



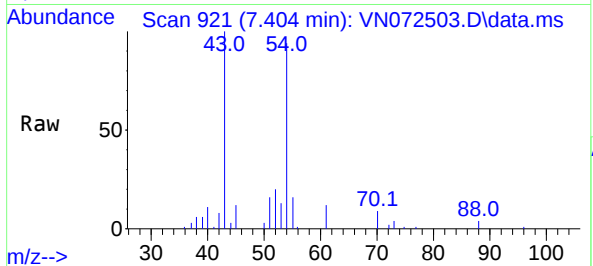
Tgt Ion: 43 Resp: 516937
Ion Ratio Lower Upper
43 100
86 10.4 7.5 11.3





#43
Ethyl Acetate
Concen: 20.579 ug/l
RT: 7.404 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

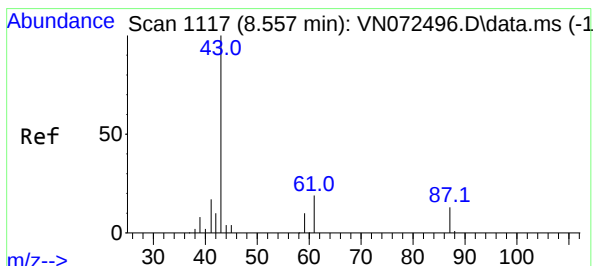
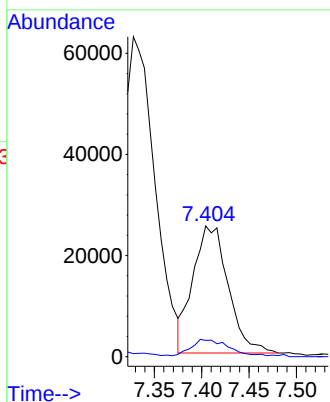
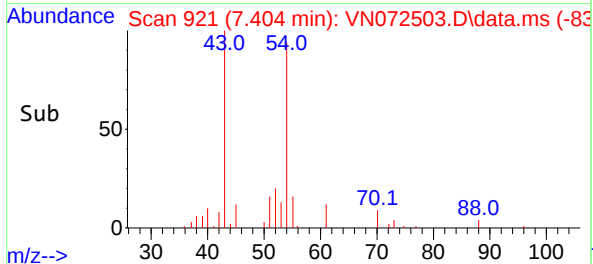
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



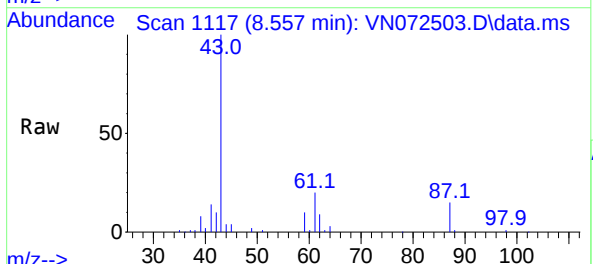
Tgt Ion: 43 Resp: 65390
Ion Ratio Lower Upper
43 100
45 14.3 10.6 16.0

Manual Integrations
APPROVED

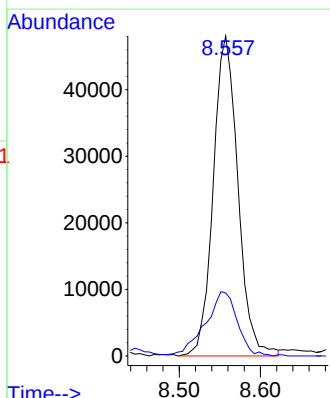
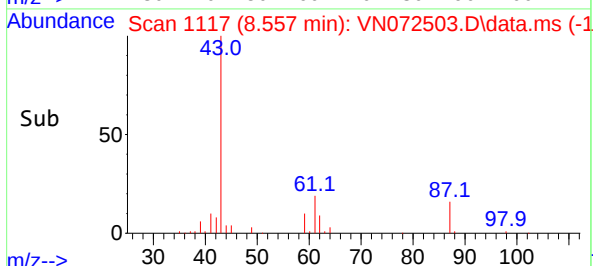
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

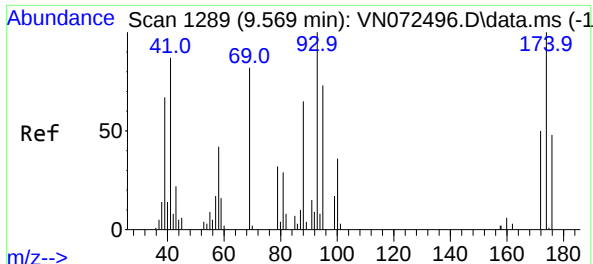


#44
Isopropyl Acetate
Concen: 19.964 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



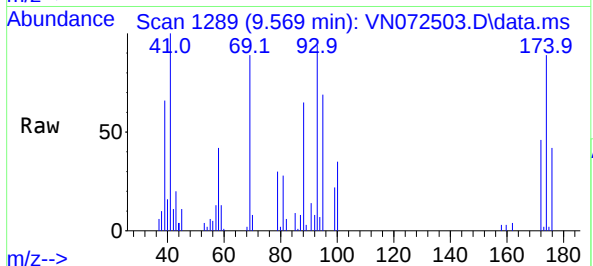
Tgt Ion: 43 Resp: 101548
Ion Ratio Lower Upper
43 100
61 25.7 20.1 30.1





#45
1,4-Dioxane
Concen: 408.801 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

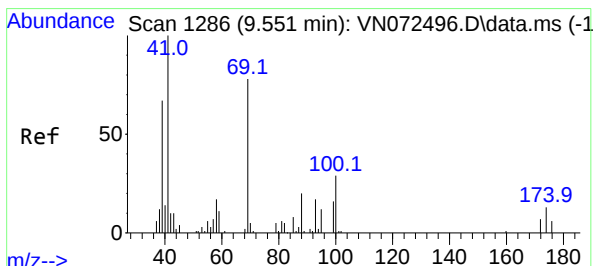
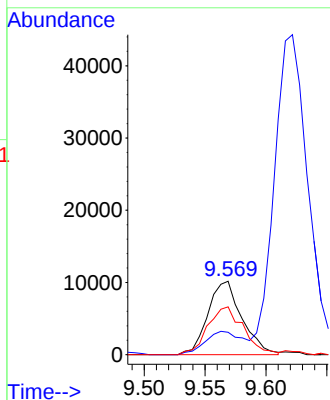
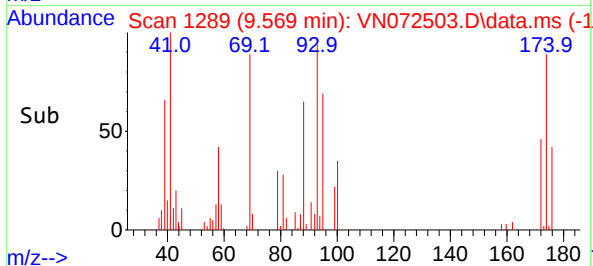
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



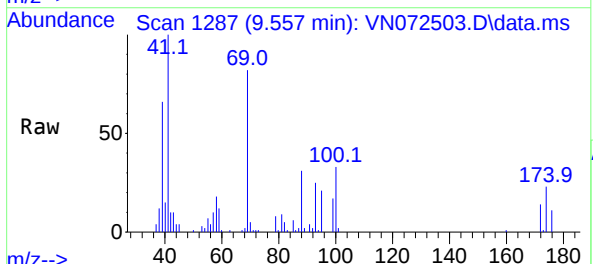
Tgt Ion: 88 Resp: 1980
Ion Ratio Lower Upper
88 100
43 35.3 25.0 37.6
58 68.5 49.4 74.2

Manual Integrations
APPROVED

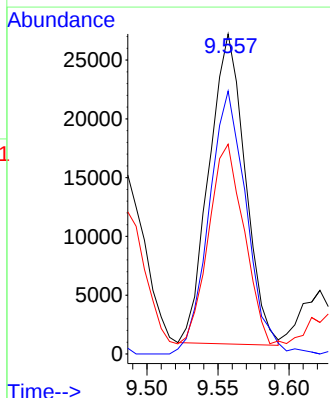
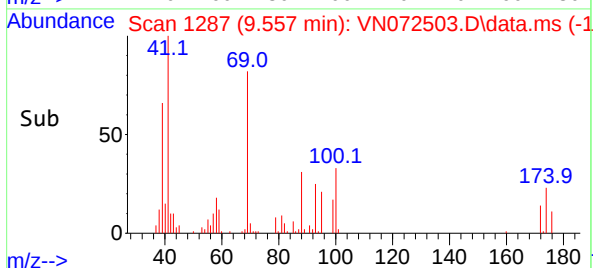
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

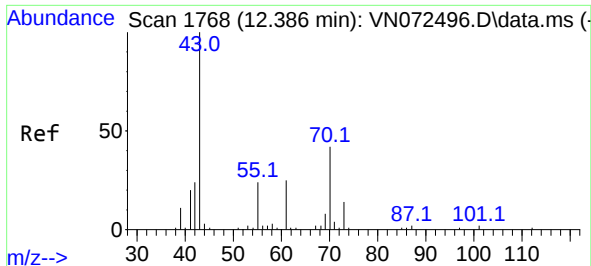


#46
Methyl methacrylate
Concen: 19.389 ug/l
RT: 9.557 min Scan# 1287
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 41 Resp: 46666
Ion Ratio Lower Upper
41 100
69 83.6 44.4 133.2
39 64.7 39.9 119.6





#47

n-amy1 Acetate

Concen: 18.840 ug/l

RT: 12.386 min Scan# 1768

Delta R.T. 0.000 min

Lab File: VN072503.D

Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 64149

Ion Ratio Lower Upper

43 100

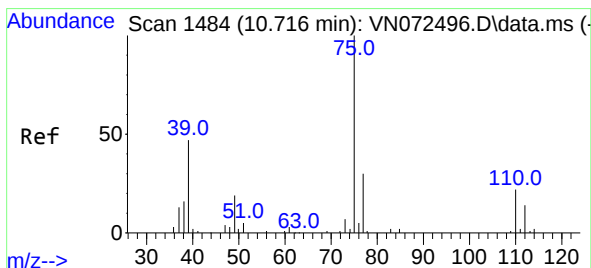
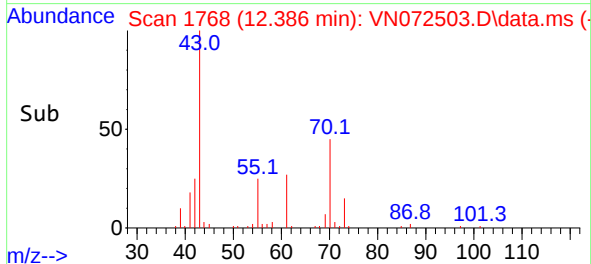
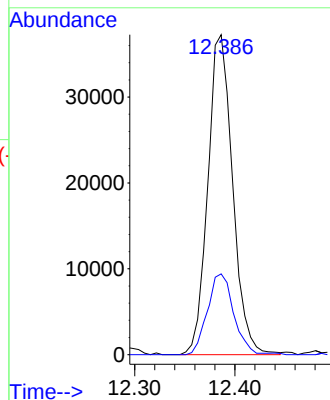
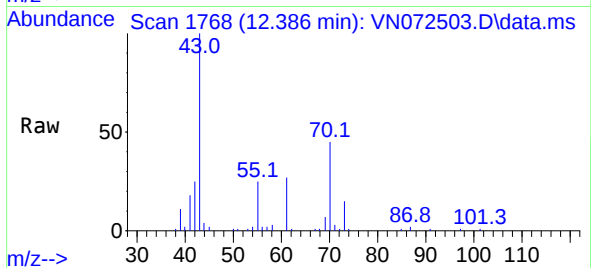
55 26.6 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#48

t-1,3-Dichloropropene

Concen: 19.374 ug/l

RT: 10.716 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VN072503.D

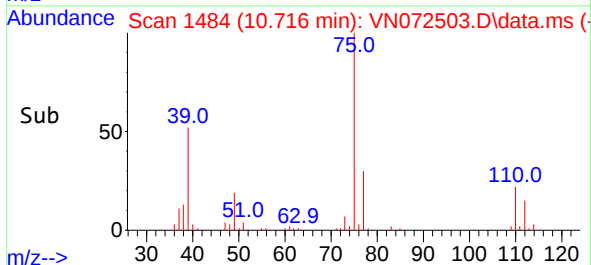
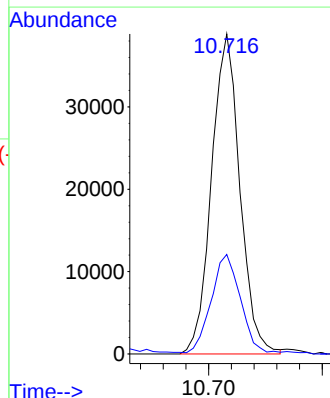
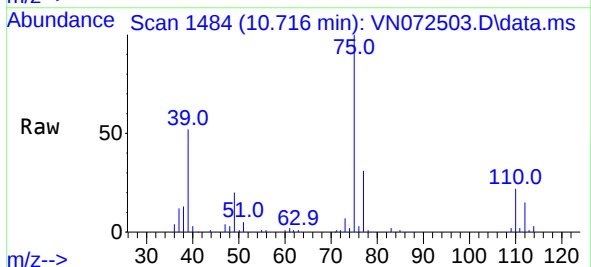
Acq: 16 May 2022 15:51

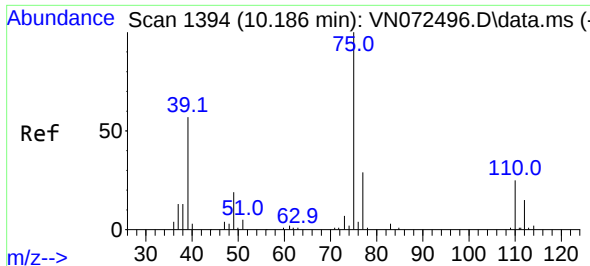
Tgt Ion: 75 Resp: 67308

Ion Ratio Lower Upper

75 100

77 30.6 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 19.994 ug/l
 RT: 10.186 min Scan# 1394
 Delta R.T. 0.000 min
 Lab File: VN072503.D
 Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

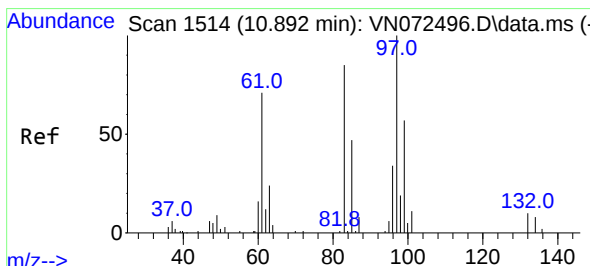
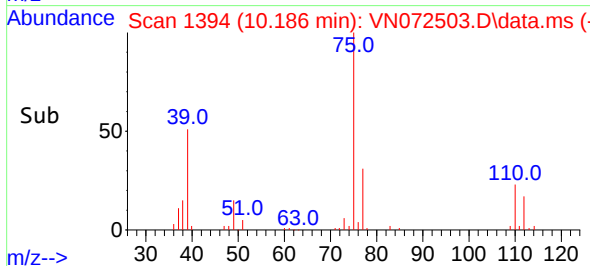
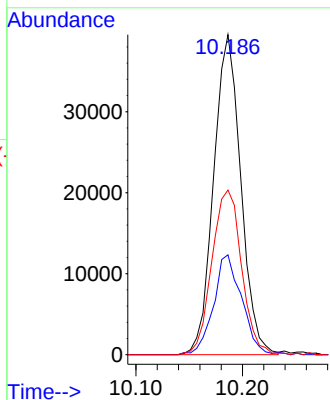
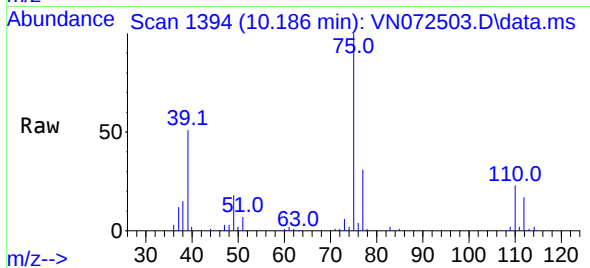
VSTDCCC020

Tgt Ion: 75 Resp: 7001
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.3 37.9
 39 51.4 46.2 69.4

Manual Integrations

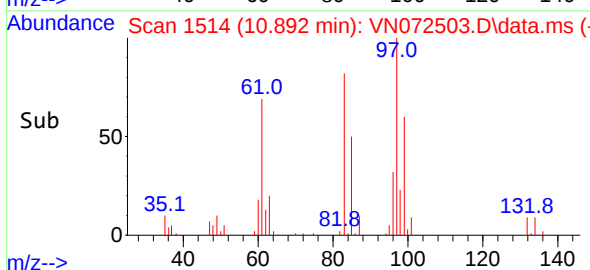
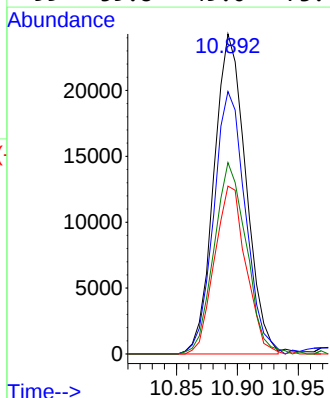
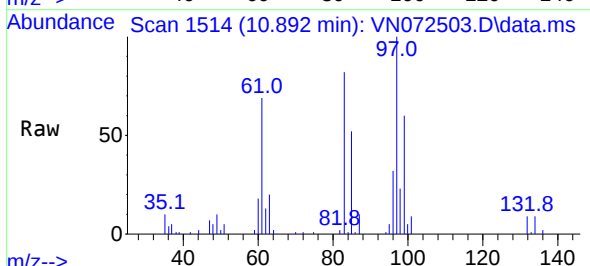
APPROVED

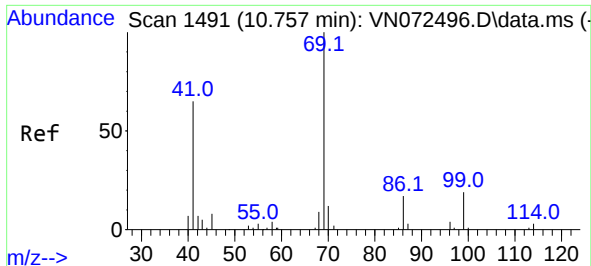
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#50
 1,1,2-Trichloroethane
 Concen: 20.674 ug/l
 RT: 10.892 min Scan# 1514
 Delta R.T. 0.000 min
 Lab File: VN072503.D
 Acq: 16 May 2022 15:51

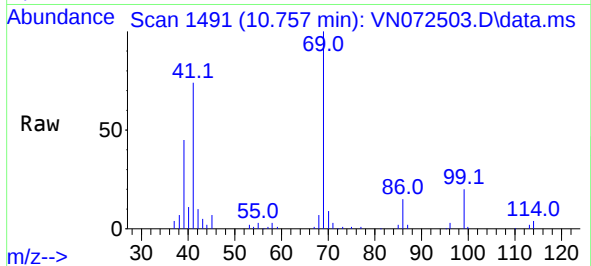
Tgt Ion: 97 Resp: 44295
 Ion Ratio Lower Upper
 97 100
 83 82.0 67.2 100.8
 85 52.4 43.0 64.4
 99 59.8 49.0 73.4





#51
Ethyl methacrylate
Concen: 19.222 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

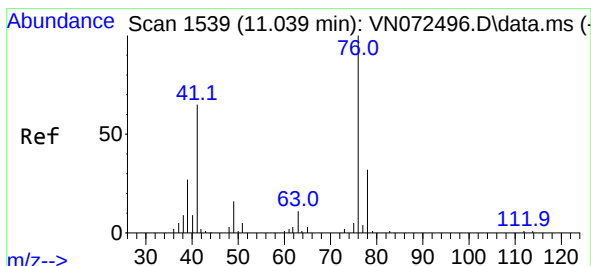
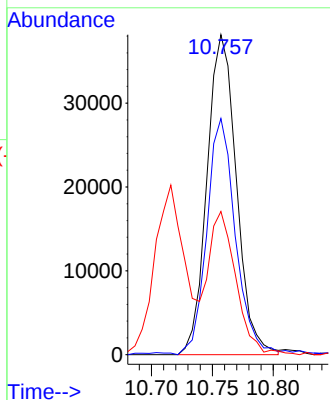
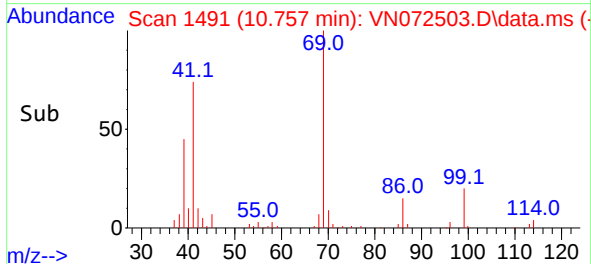
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 6422
Ion Ratio Lower Upper
69 100
41 73.8 33.0 98.9
39 43.6 25.4 76.4

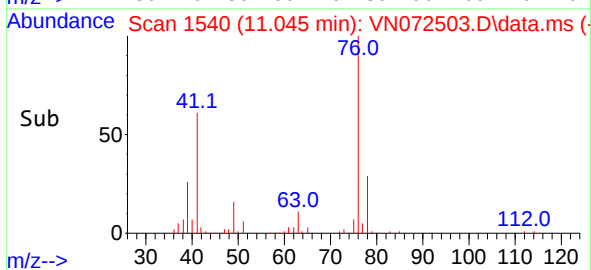
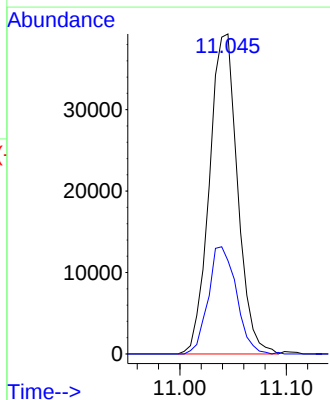
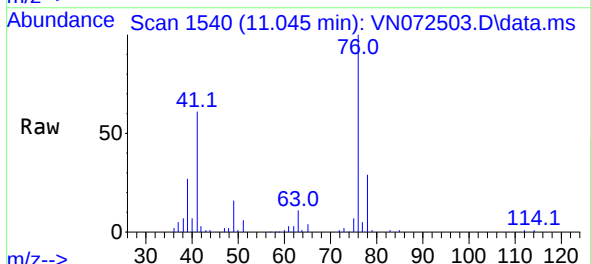
Manual Integrations
APPROVED

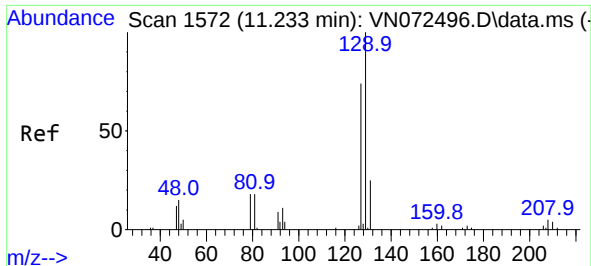
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#52
1,3-Dichloropropane
Concen: 19.510 ug/l
RT: 11.045 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

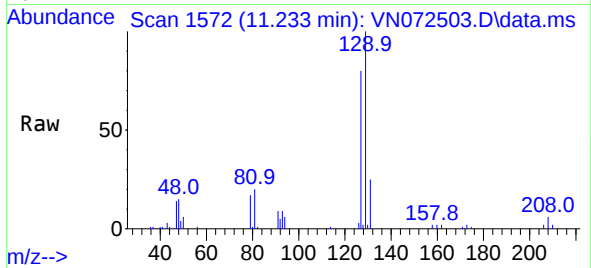
Tgt Ion: 76 Resp: 72223
Ion Ratio Lower Upper
76 100
78 33.3 0.0 65.4





#53
Dibromochloromethane
Concen: 19.223 ug/l
RT: 11.233 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

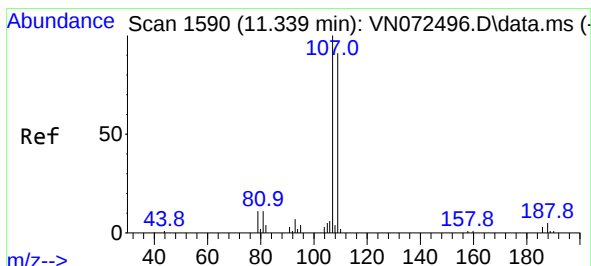
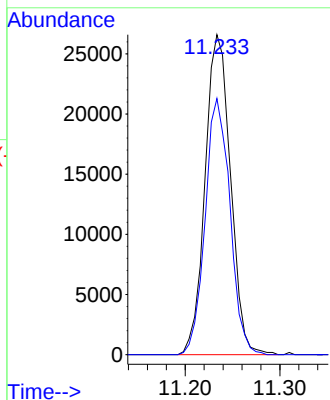
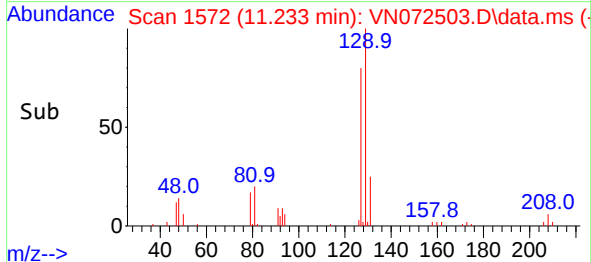
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



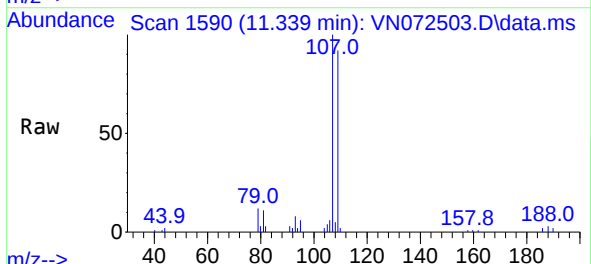
Tgt Ion:129 Resp: 49729
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0

Manual Integrations
APPROVED

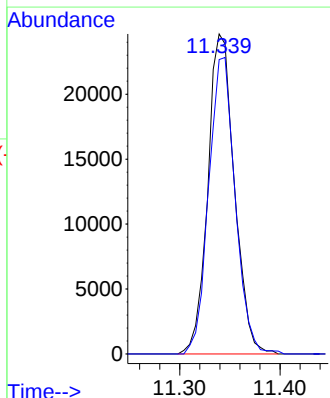
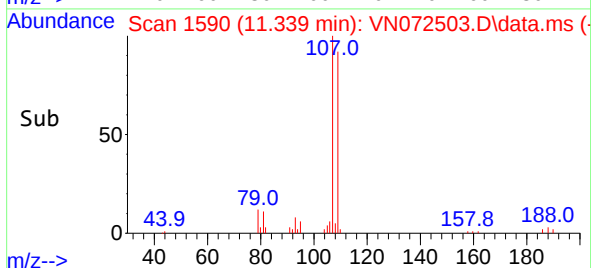
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

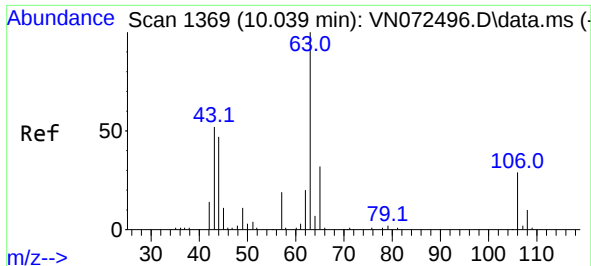


#54
1,2-Dibromoethane
Concen: 19.880 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion:107 Resp: 45308
Ion Ratio Lower Upper
107 100
109 92.3 72.8 109.2





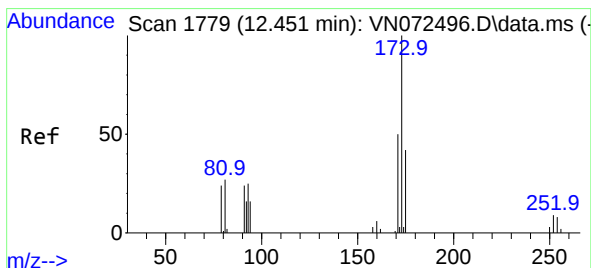
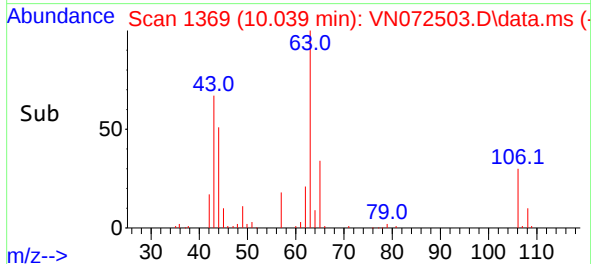
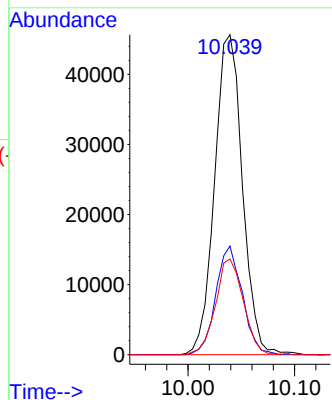
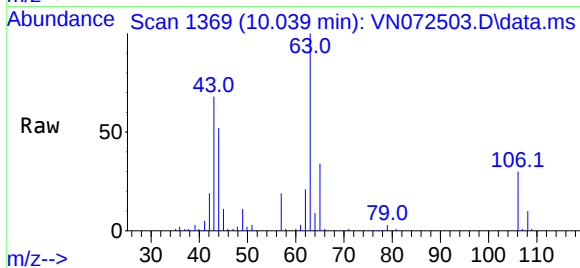
#55
2-Chloroethyl vinyl ether
Concen: 97.575 ug/l
RT: 10.039 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 82714
Ion Ratio Lower Upper
63 100
65 32.4 25.4 38.0
106 29.9 23.2 34.8

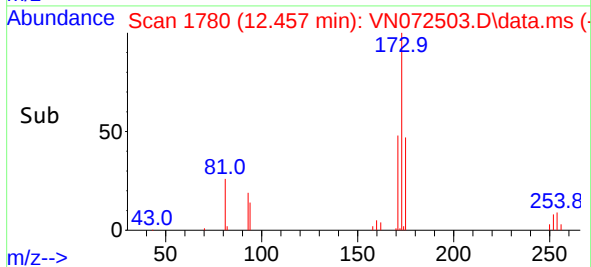
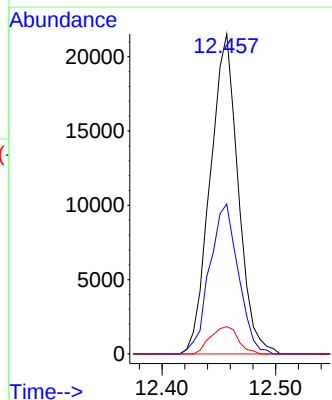
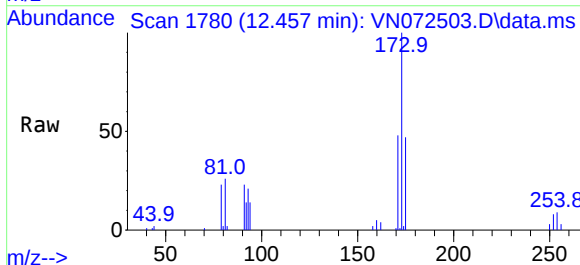
Manual Integrations
APPROVED

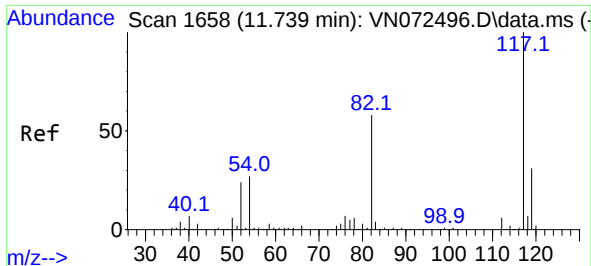
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#56
Bromoform
Concen: 18.877 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion:173 Resp: 36829
Ion Ratio Lower Upper
173 100
175 48.4 38.6 58.0
254 8.5 0.0 0.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

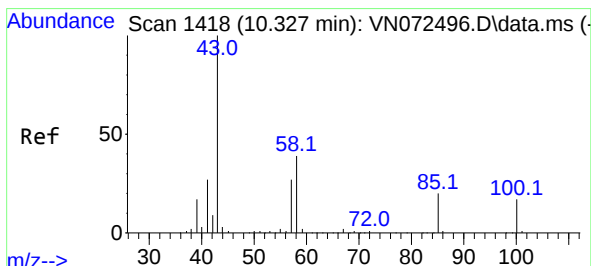
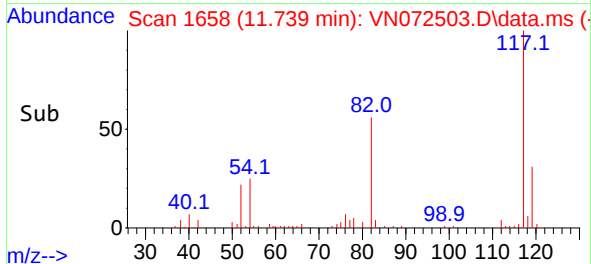
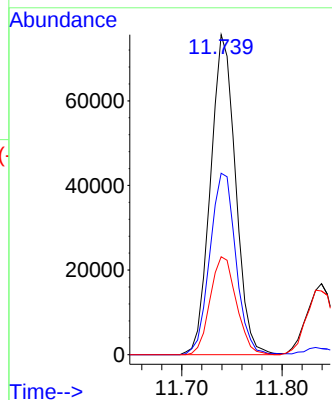
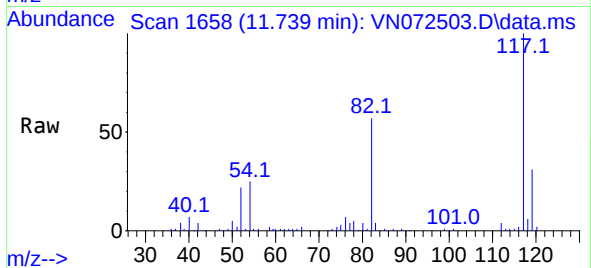
VSTDCCC020

Tgt Ion:117 Resp: 13131
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 32.0 25.8 38.6

Manual Integrations

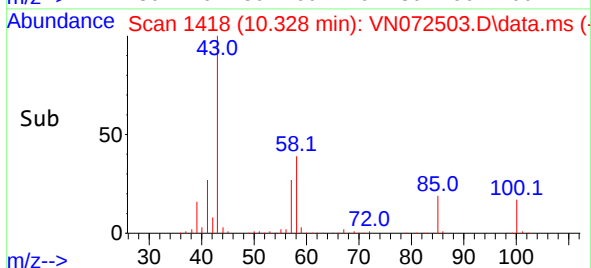
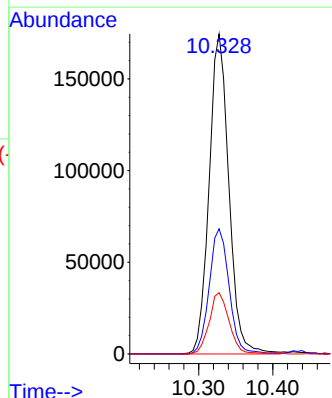
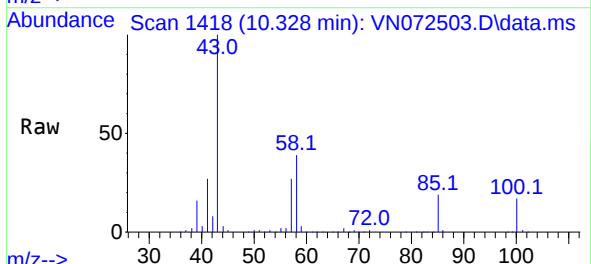
APPROVED

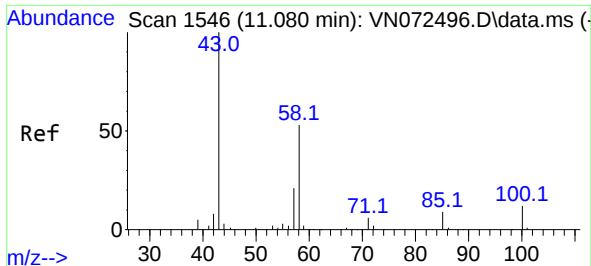
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#58
4-Methyl-2-Pentanone
Concen: 104.251 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

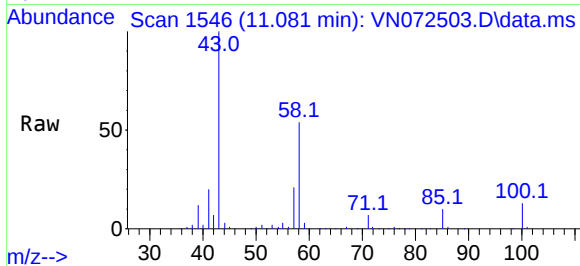
Tgt Ion: 43 Resp: 322568
Ion Ratio Lower Upper
43 100
58 39.4 30.0 45.0
85 19.2 15.0 22.6





#59
2-Hexanone
Concen: 103.726 ug/l
RT: 11.081 min Scan# 11080
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

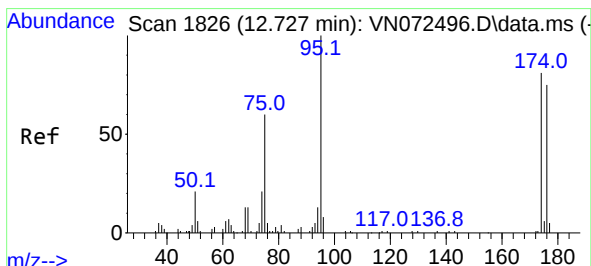
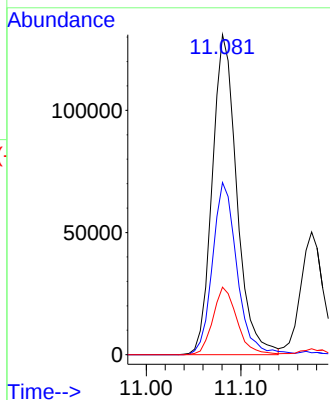
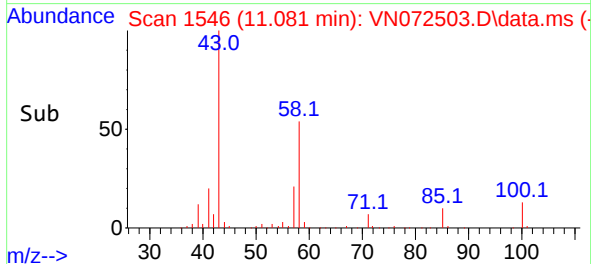
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



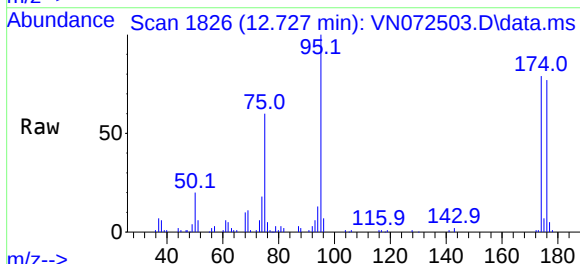
Tgt Ion: 43 Resp: 235774
Ion Ratio Lower Upper
43 100
58 53.7 42.2 63.2
57 20.7 15.0 22.4

Manual Integrations
APPROVED

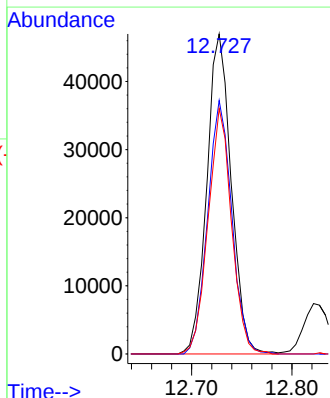
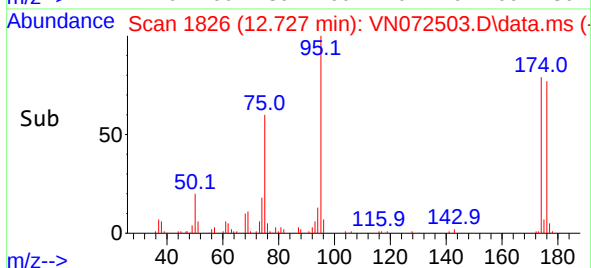
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

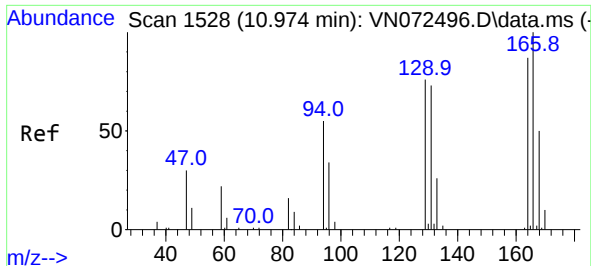


#60
4-Bromofluorobenzene
Concen: 31.051 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



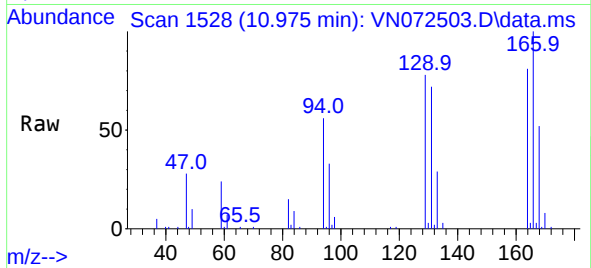
Tgt Ion: 95 Resp: 79613
Ion Ratio Lower Upper
95 100
174 78.4 62.9 94.3
176 73.7 61.0 91.4





#61
Tetrachloroethene
Concen: 20.628 ug/l
RT: 10.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

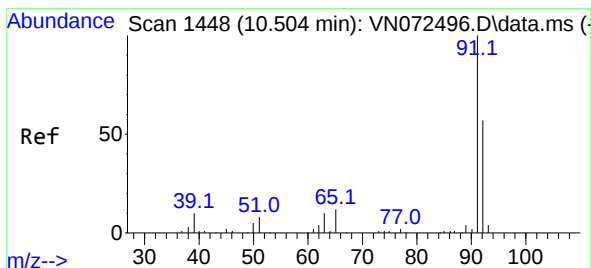
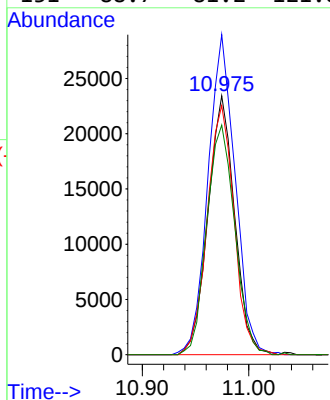
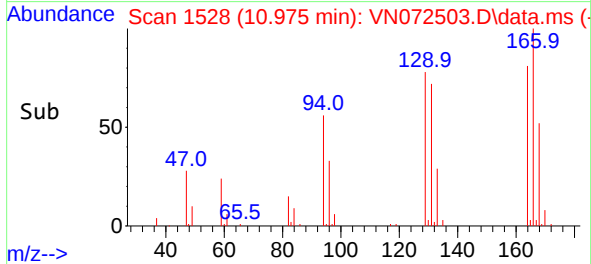
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



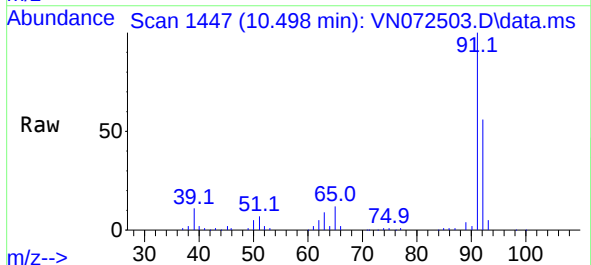
Tgt Ion:164 Resp: 40564
Ion Ratio Lower Upper
164 100
166 122.7 105.8 158.8
129 96.2 82.5 123.7
131 88.7 81.2 121.8

Manual Integrations
APPROVED

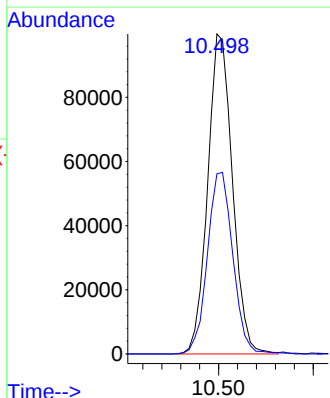
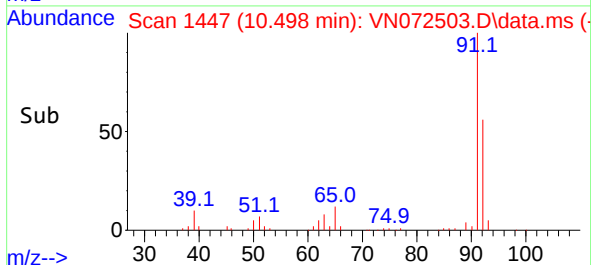
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

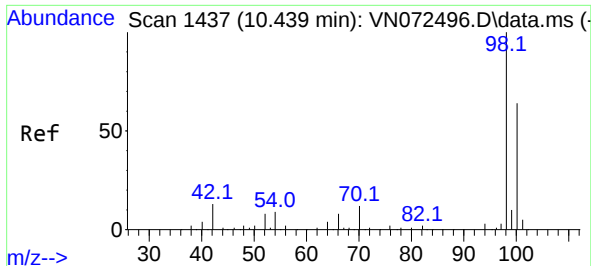


#62
Toluene
Concen: 20.393 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



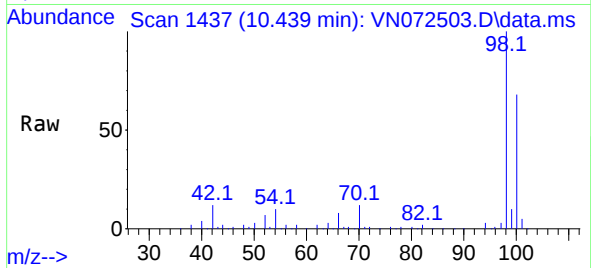
Tgt Ion: 91 Resp: 180910
Ion Ratio Lower Upper
91 100
92 58.0 44.6 67.0





#63
Toluene-d8
Concen: 31.178 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

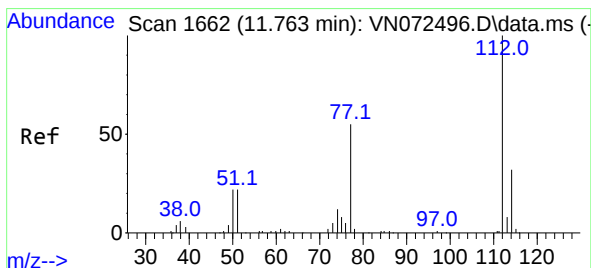
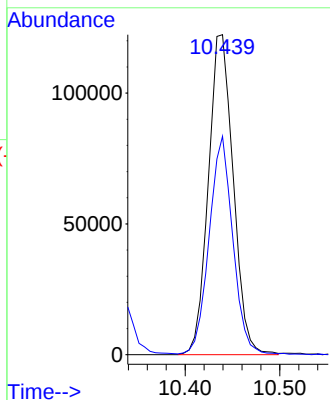
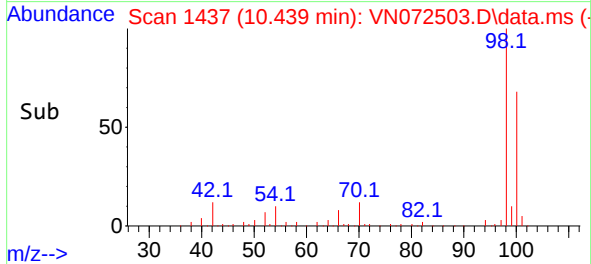
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



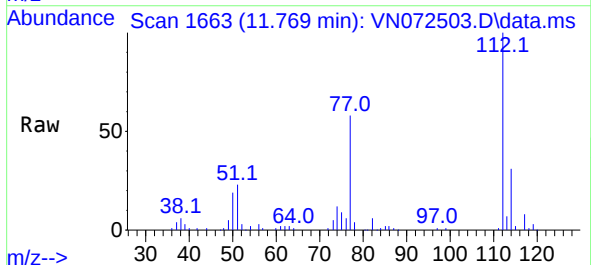
Tgt Ion: 98 Resp: 22348
Ion Ratio Lower Upper
98 100
100 65.0 50.6 76.0

Manual Integrations
APPROVED

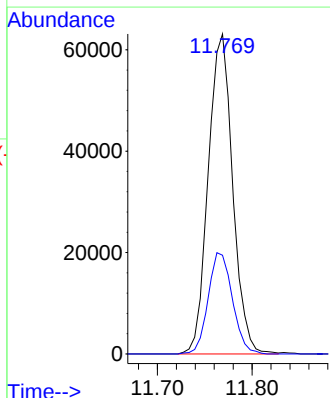
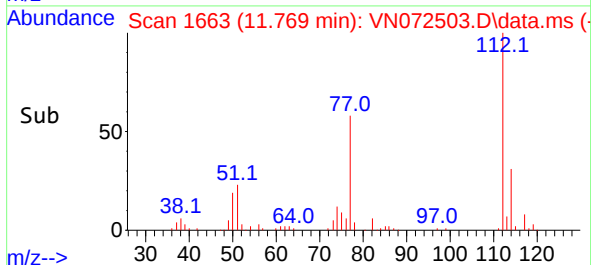
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

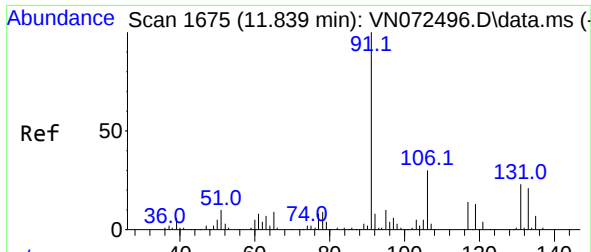


#64
Chlorobenzene
Concen: 20.459 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



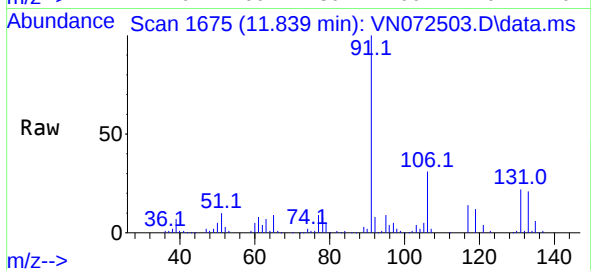
Tgt Ion:112 Resp: 113213
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 20.409 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

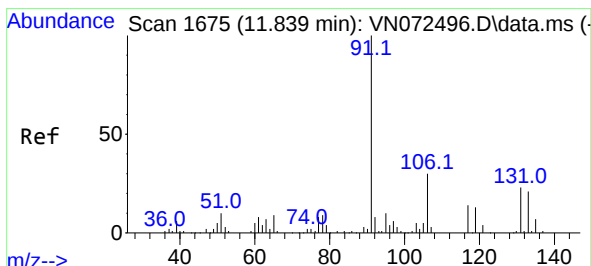
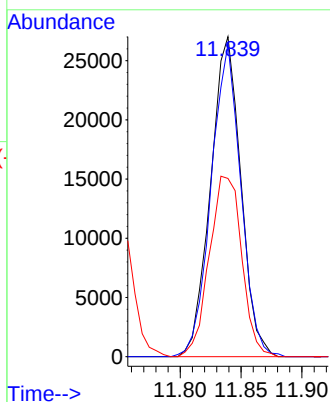
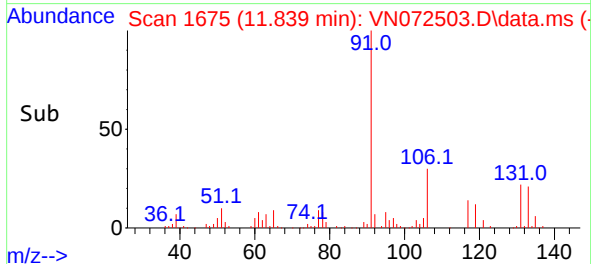
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



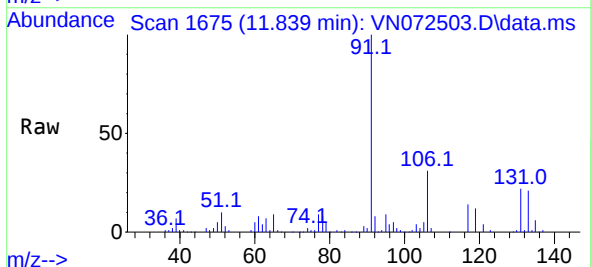
Tgt Ion:131 Resp: 46690
Ion Ratio Lower Upper
131 100
133 95.6 0.0 191.2
119 60.5 0.0 128.8

Manual Integrations
APPROVED

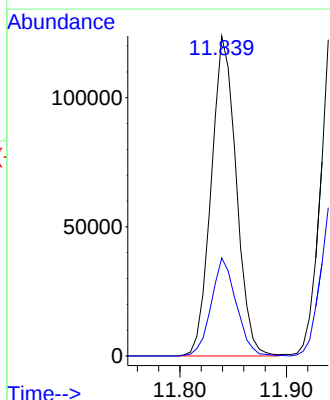
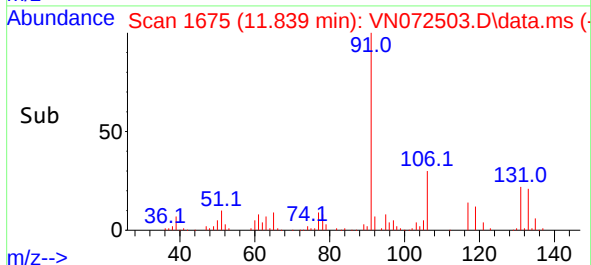
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

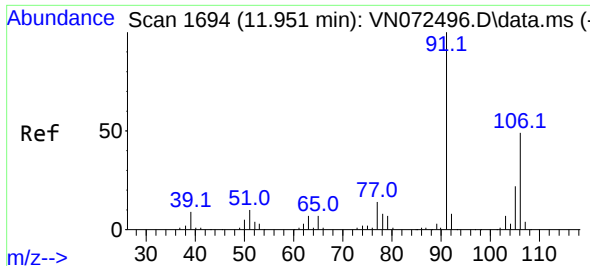


#66
Ethyl Benzene
Concen: 20.238 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 91 Resp: 201932
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0





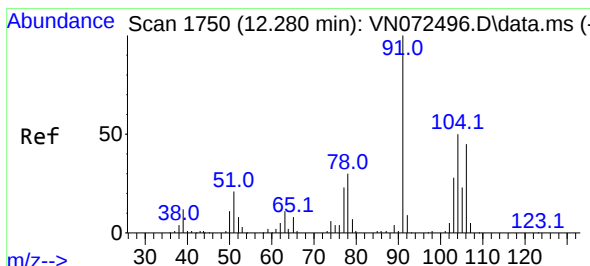
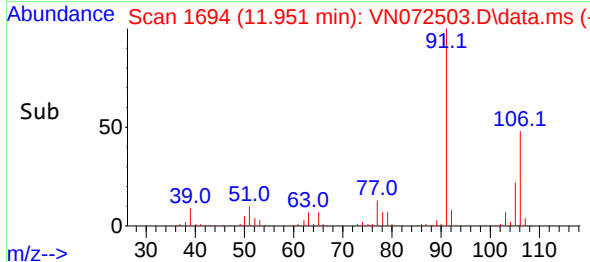
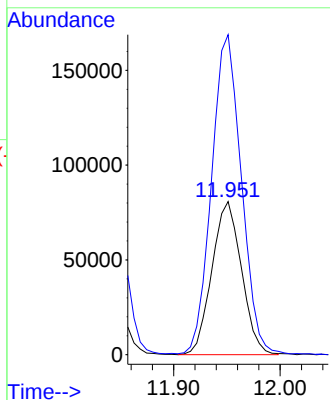
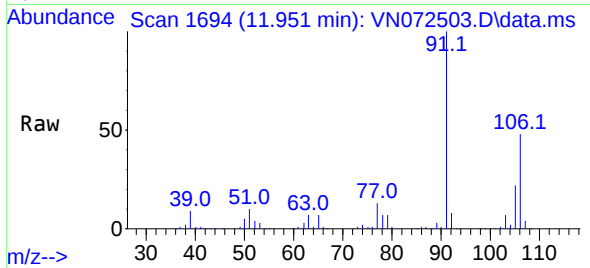
#67
m/p-Xylenes
Concen: 41.204 ug/l
RT: 11.951 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 155870
Ion Ratio Lower Upper
106 100
91 211.1 162.9 244.3

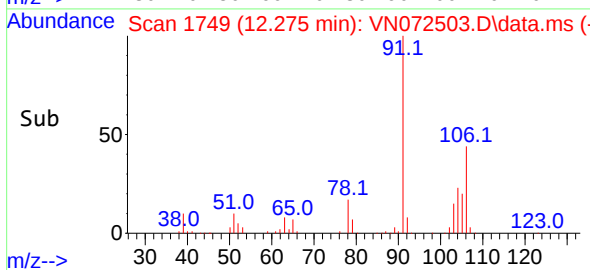
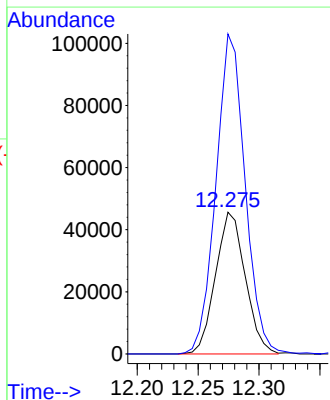
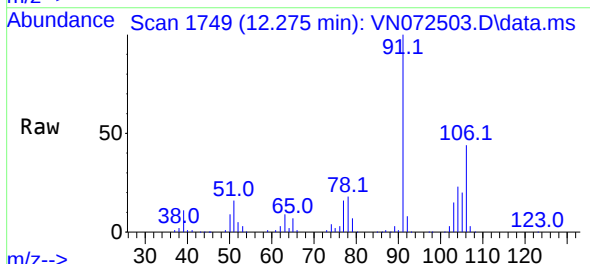
Manual Integrations
APPROVED

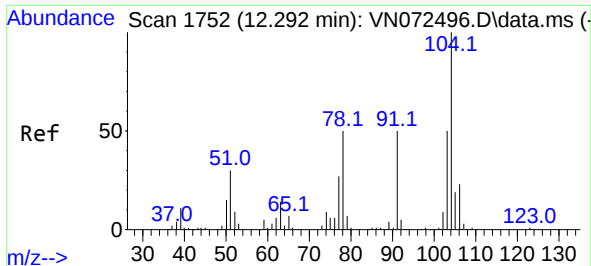
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#68
o-Xylene
Concen: 20.762 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion:106 Resp: 77639
Ion Ratio Lower Upper
106 100
91 221.1 107.7 323.1





#69

Styrene

Concen: 20.059 ug/l

RT: 12.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN072503.D

Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:104 Resp: 11946

Ion Ratio Lower Upper

104 100

78 57.9 40.7 61.1

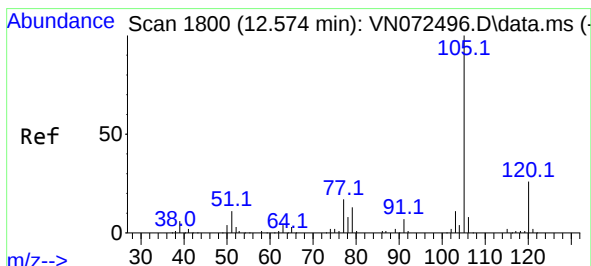
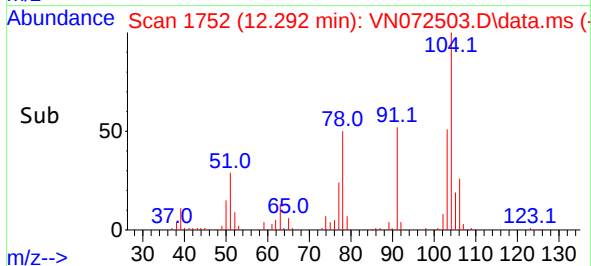
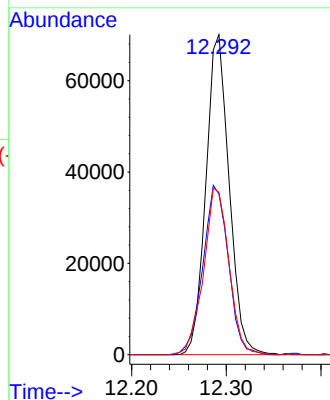
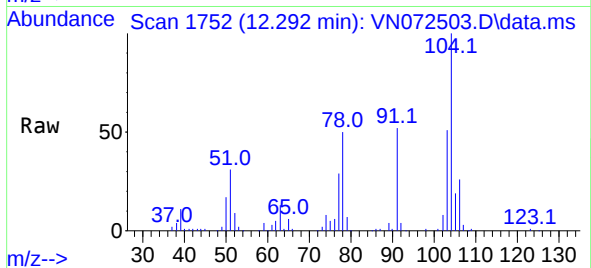
103 56.7 45.8 68.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#70

Isopropylbenzene

Concen: 20.692 ug/l

RT: 12.575 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072503.D

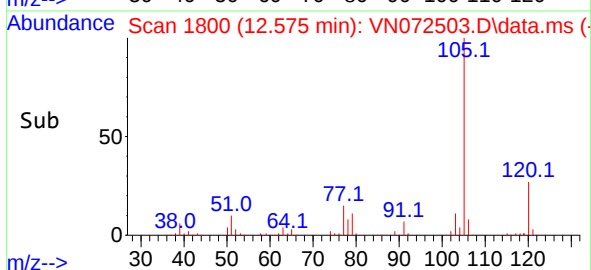
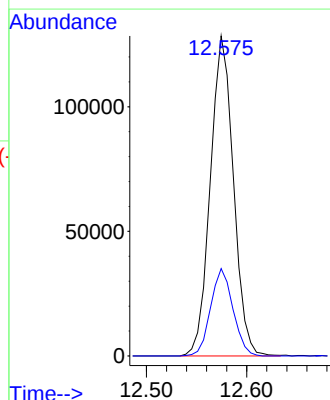
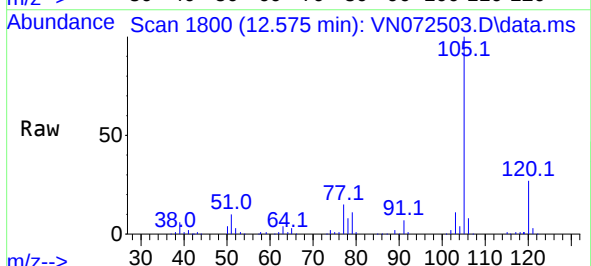
Acq: 16 May 2022 15:51

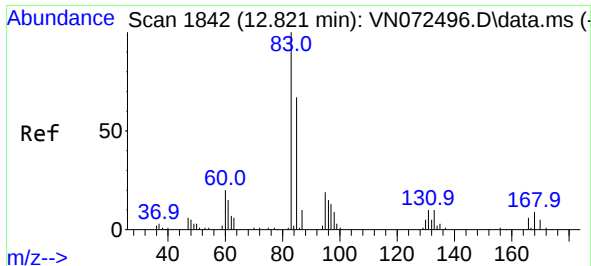
Tgt Ion:105 Resp: 205322

Ion Ratio Lower Upper

105 100

120 26.3 18.3 34.1





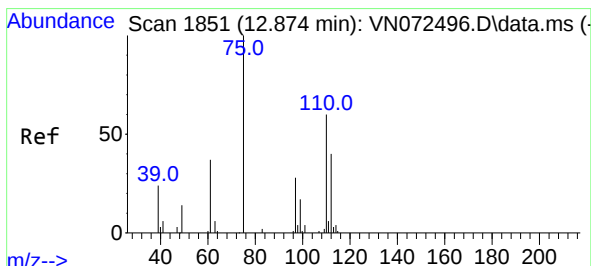
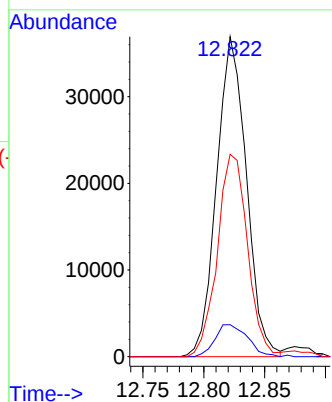
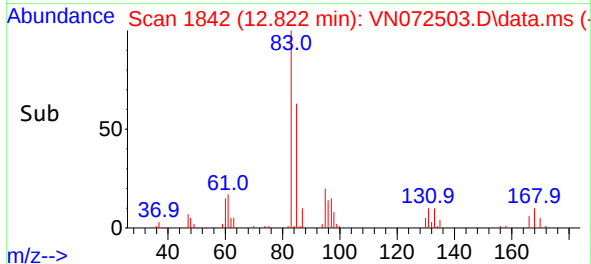
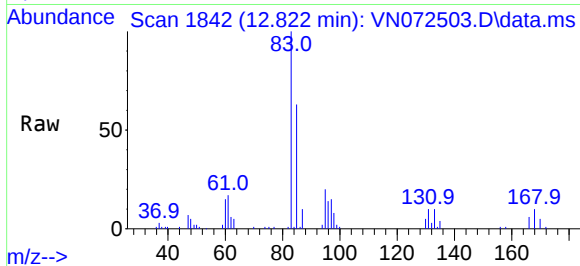
#71
1,1,2,2-Tetrachloroethane
Concen: 20.731 ug/l
RT: 12.822 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 62818
Ion Ratio Lower Upper
83 100
131 11.0 5.1 15.3
85 63.9 33.1 99.2

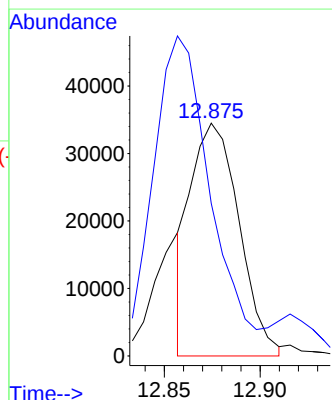
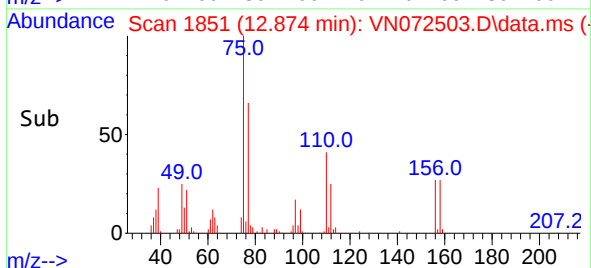
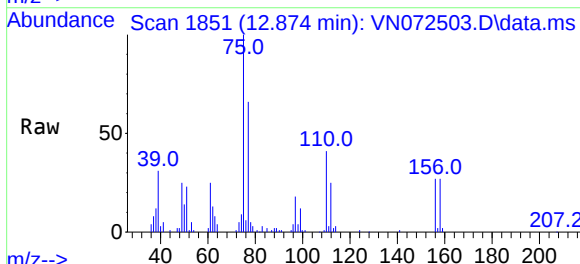
Manual Integrations
APPROVED

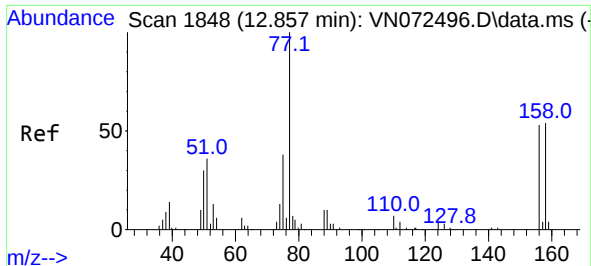
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#72
1,2,3-Trichloropropane
Concen: 21.307 ug/l m
RT: 12.874 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

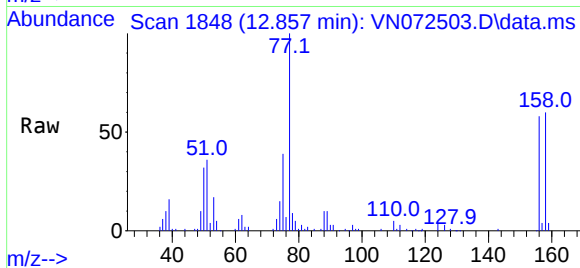
Tgt Ion: 75 Resp: 60555
Ion Ratio Lower Upper
75 100
77 163.5 0.0 378.0





#73
Bromobenzene
Concen: 20.274 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

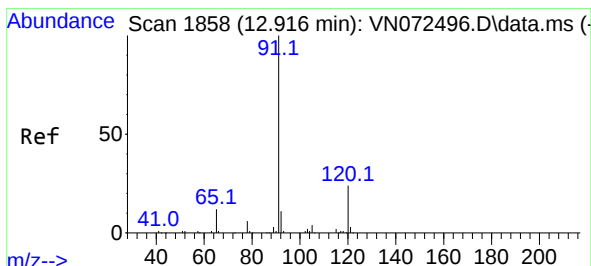
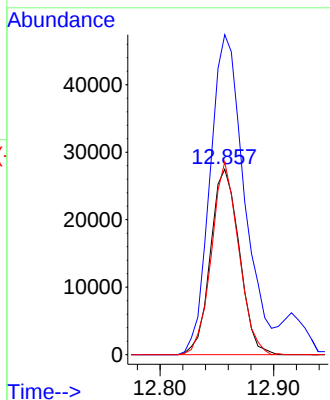
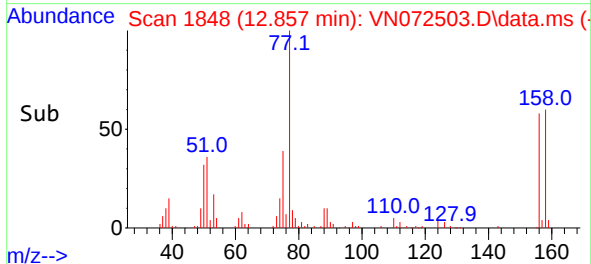
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



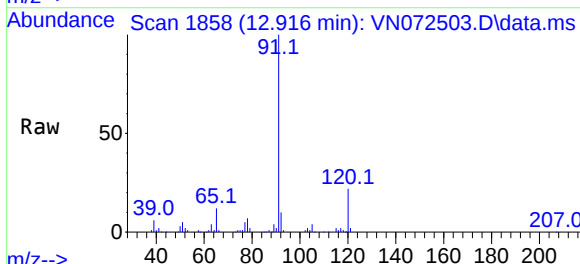
Tgt Ion:156 Resp: 4841
Ion Ratio Lower Upper
156 100
77 204.4 0.0 416.0
158 98.1 0.0 195.4

Manual Integrations
APPROVED

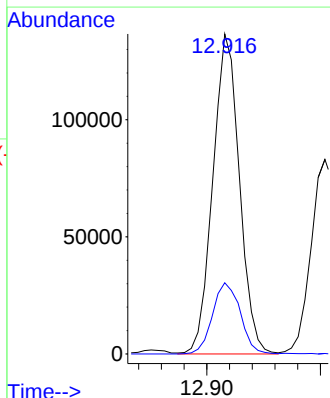
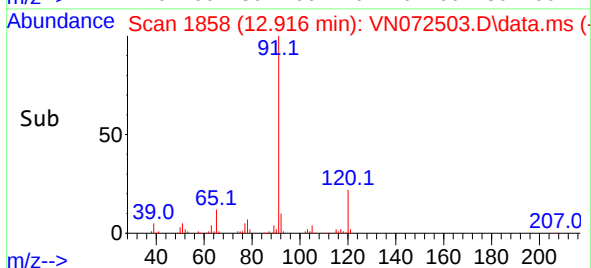
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

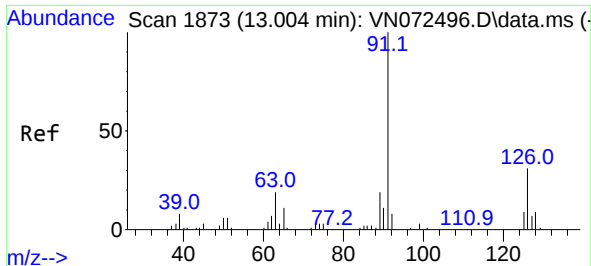


#74
n-propylbenzene
Concen: 20.441 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion: 91 Resp: 222041
Ion Ratio Lower Upper
91 100
120 23.2 0.0 45.0





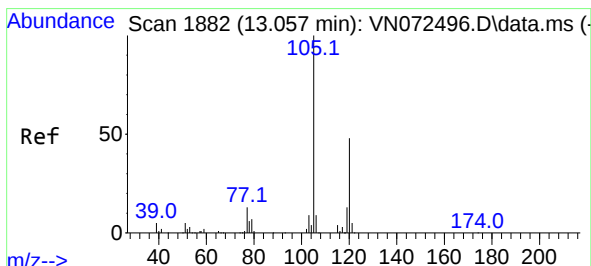
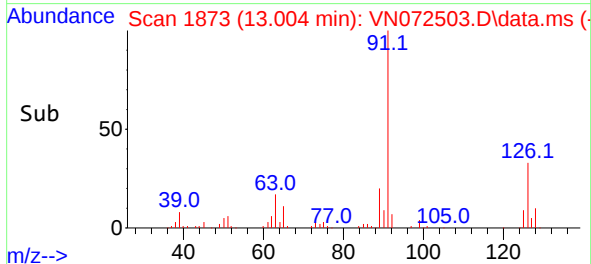
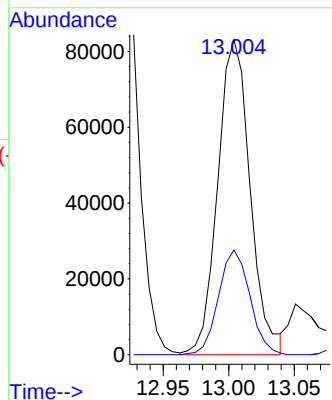
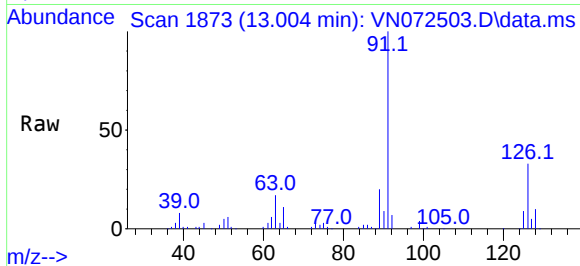
#75
2-Chlorotoluene
Concen: 20.349 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 142814
Ion Ratio Lower Upper
91 100
126 32.1 0.0 69.8

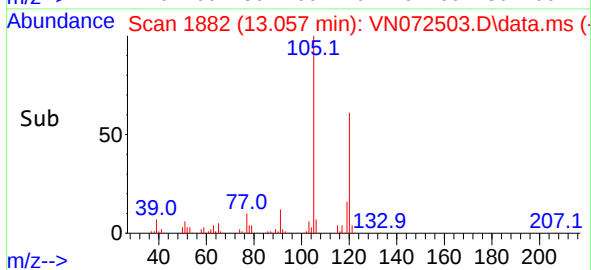
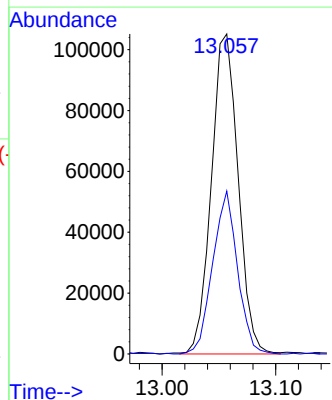
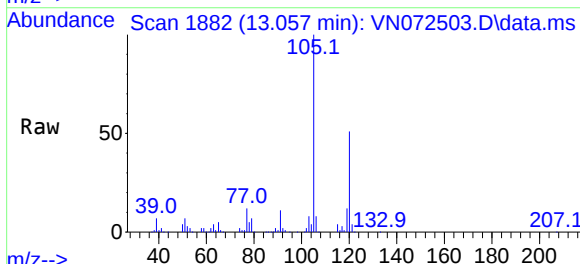
Manual Integrations
APPROVED

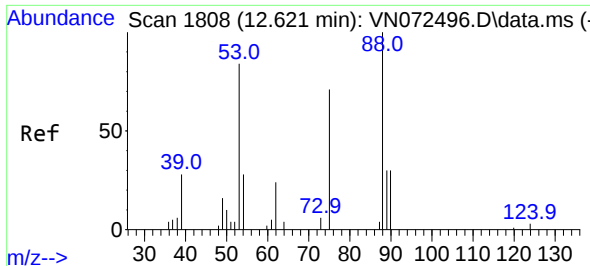
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#76
1,3,5-Trimethylbenzene
Concen: 20.302 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion:105 Resp: 172300
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 18.764 ug/l
RT: 12.622 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

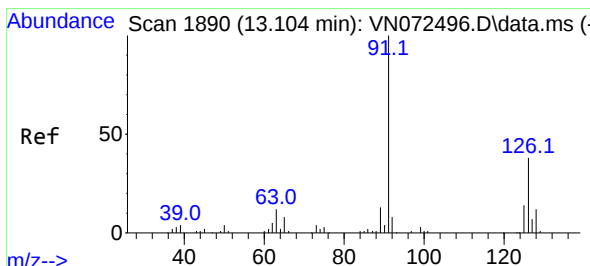
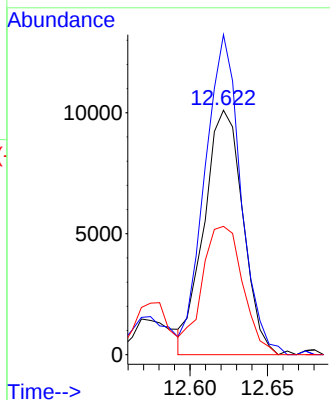
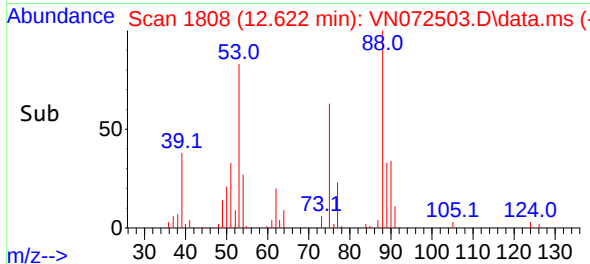
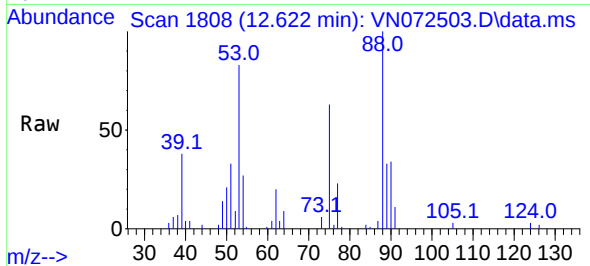
VSTDCCC020

Tgt Ion: 75 Resp: 17620
Ion Ratio Lower Upper
75 100
53 127.4 51.8 155.5
89 52.5 22.9 68.7

Manual Integrations

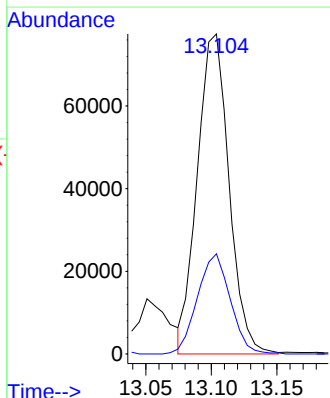
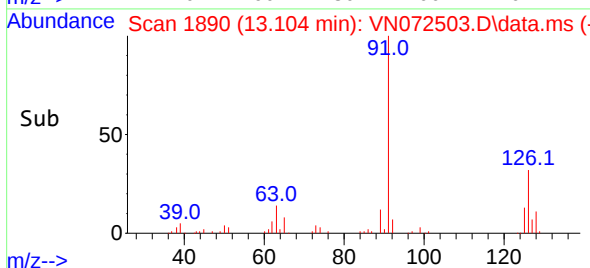
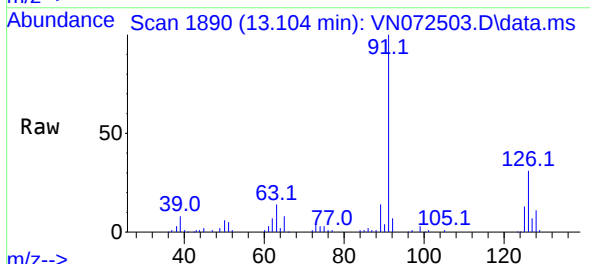
APPROVED

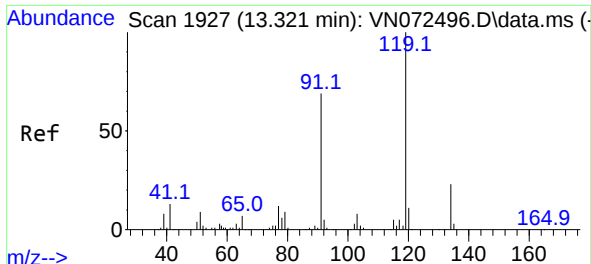
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#78
4-Chlorotoluene
Concen: 19.826 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion: 91 Resp: 130419
Ion Ratio Lower Upper
91 100
126 32.3 0.0 70.6





#79
tert-butylbenzene
Concen: 20.092 ug/l
RT: 13.322 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

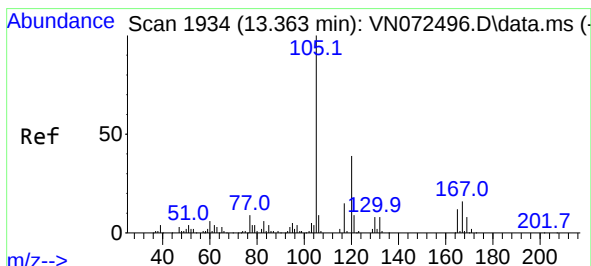
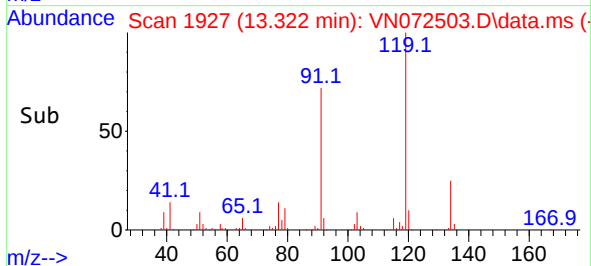
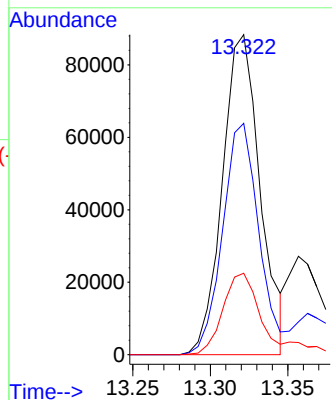
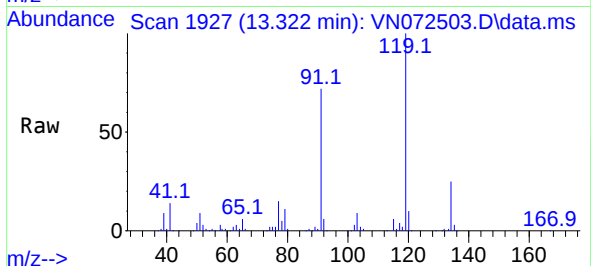
VSTDCCC020

Tgt Ion:119 Resp: 149819
Ion Ratio Lower Upper
119 100
91 68.8 0.0 137.0
134 24.2 0.0 47.6

Manual Integrations

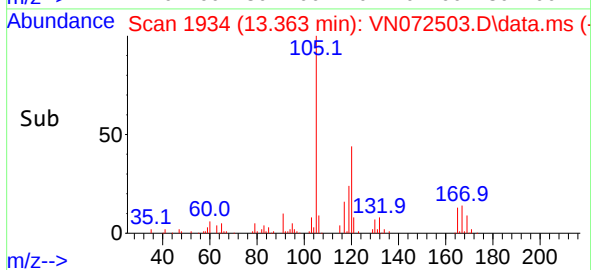
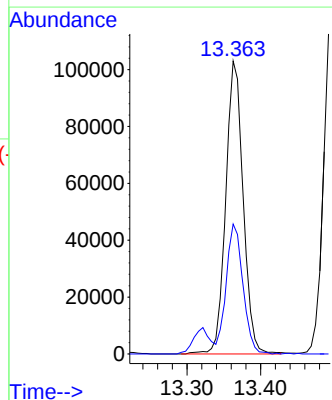
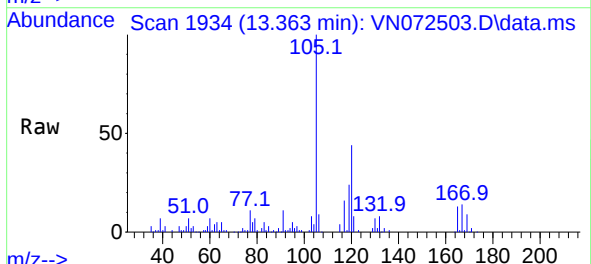
APPROVED

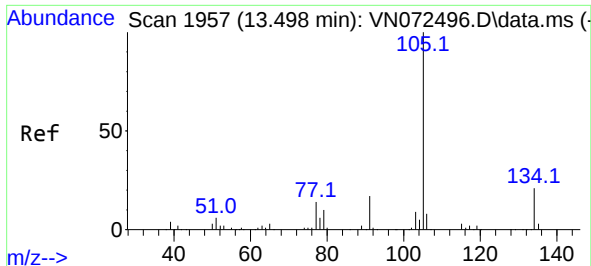
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#80
1,2,4-Trimethylbenzene
Concen: 19.977 ug/l m
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

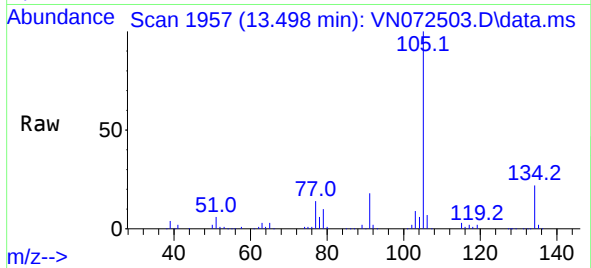
Tgt Ion:105 Resp: 169222
Ion Ratio Lower Upper
105 100
120 0.0 0.0 0.2





#81
 sec-Butylbenzene
 Concen: 20.044 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN072503.D
 Acq: 16 May 2022 15:51

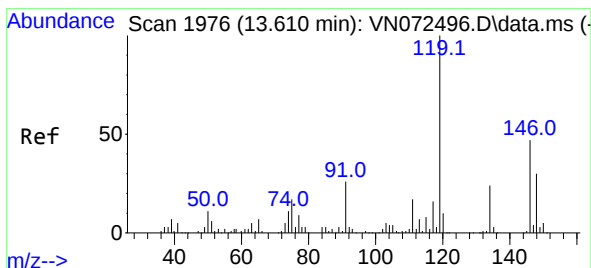
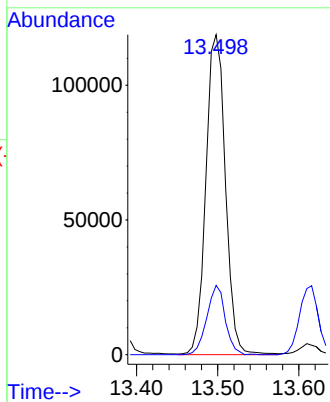
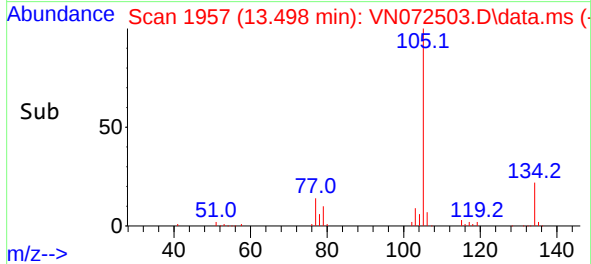
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



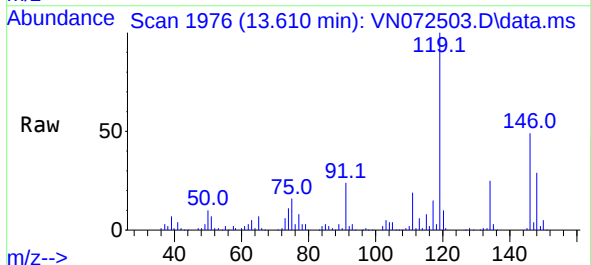
Tgt Ion:105 Resp: 19816
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.4

Manual Integrations
 APPROVED

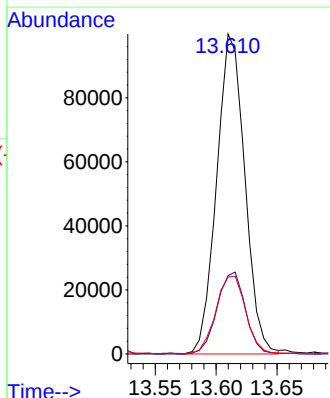
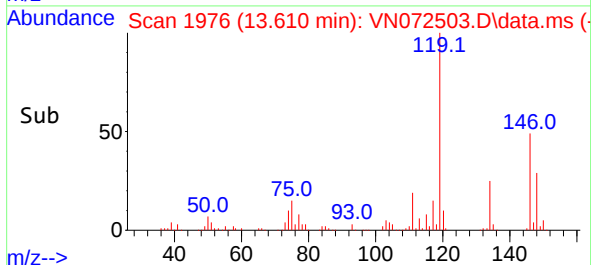
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022

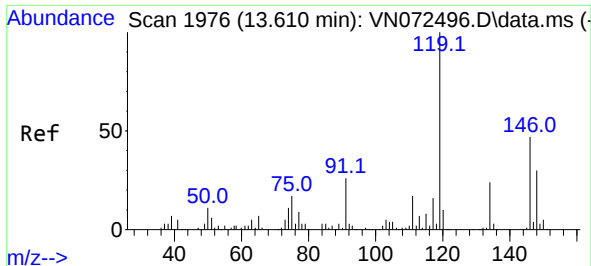


#82
 p-Isopropyltoluene
 Concen: 19.662 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VN072503.D
 Acq: 16 May 2022 15:51



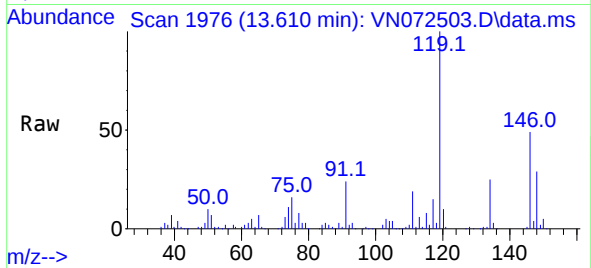
Tgt Ion:119 Resp: 160878
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.8
 91 25.9 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 19.898 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

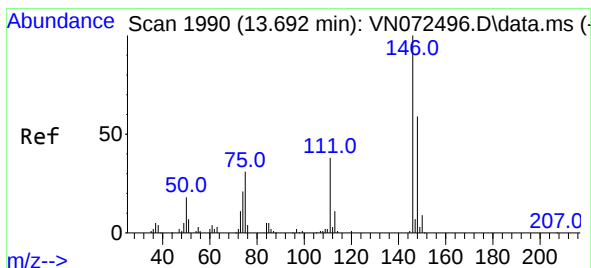
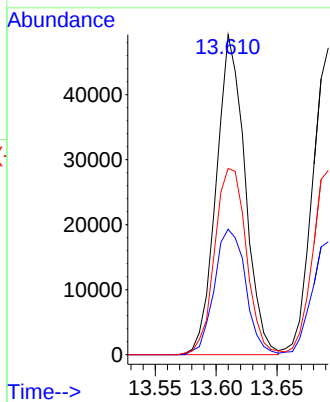
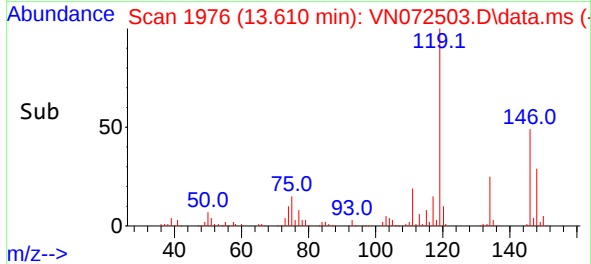
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



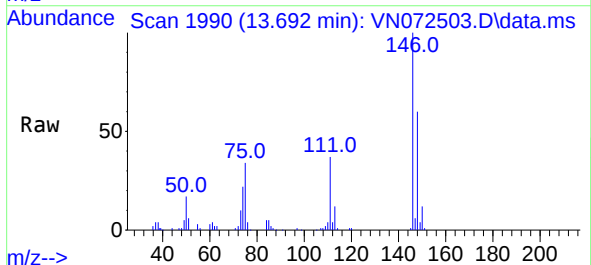
Tgt Ion:146 Resp: 81120
Ion Ratio Lower Upper
146 100
111 42.7 20.8 62.2
148 64.2 31.4 94.3

Manual Integrations
APPROVED

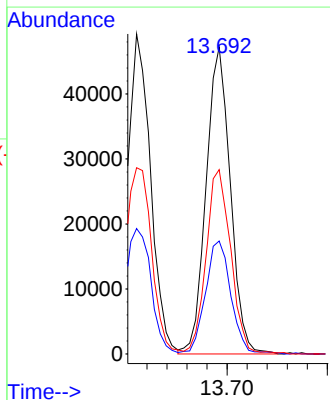
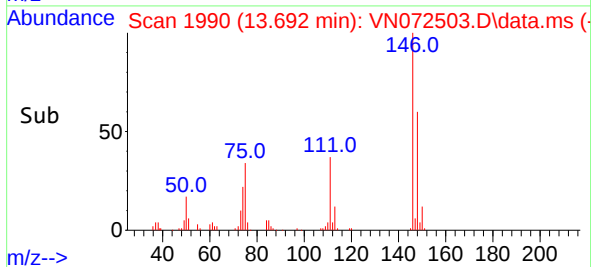
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

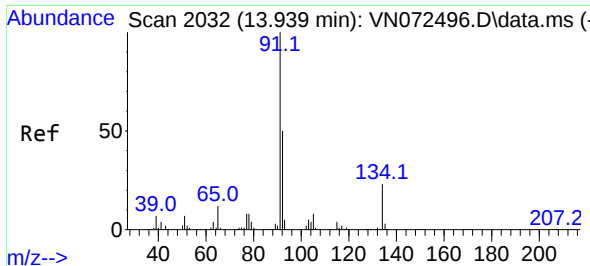


#84
1,4-Dichlorobenzene
Concen: 20.016 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion:146 Resp: 79403
Ion Ratio Lower Upper
146 100
111 36.8 19.5 58.5
148 59.5 31.1 93.5





#85
n-Butylbenzene
Concen: 18.519 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

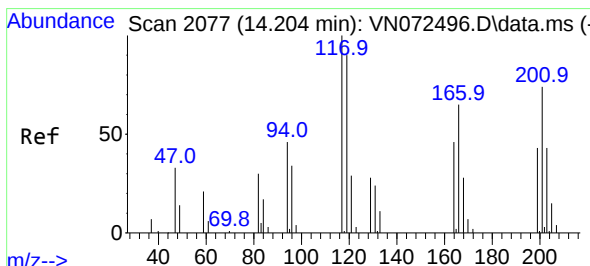
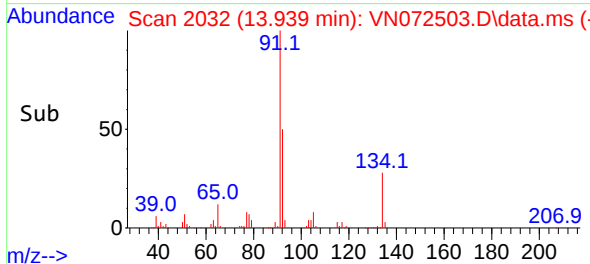
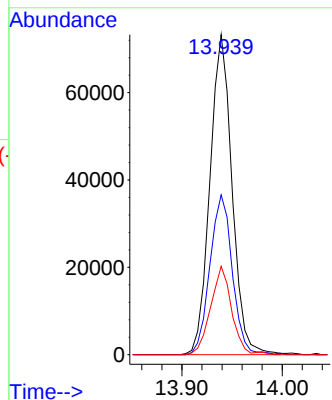
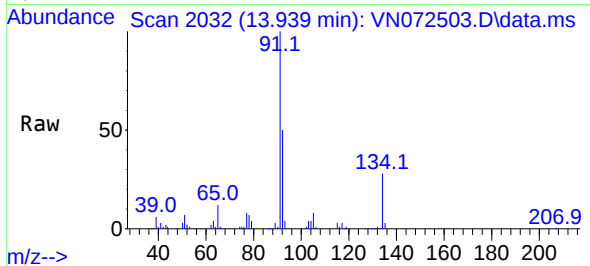
VSTDCCC020

Tgt Ion: 91 Resp: 11228
Ion Ratio Lower Upper
91 100
92 50.5 0.0 100.6
134 25.8 0.0 50.2

Manual Integrations

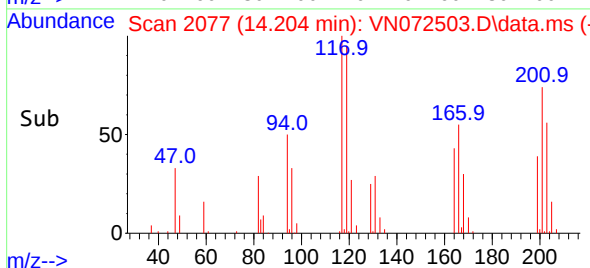
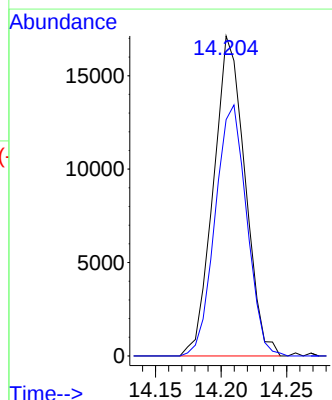
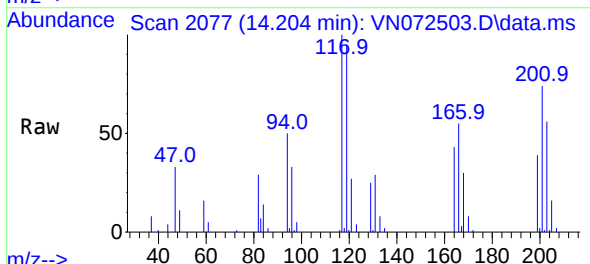
APPROVED

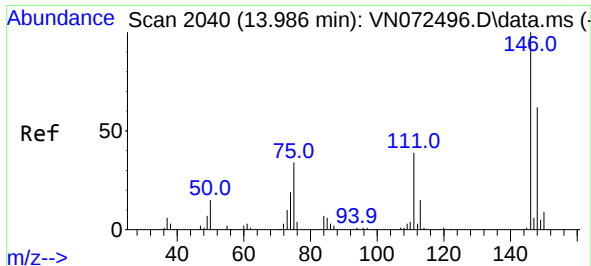
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#86
Hexachloroethane
Concen: 18.992 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Tgt Ion:117 Resp: 28613
Ion Ratio Lower Upper
117 100
201 78.5 33.3 99.8





#87

1,2-Dichlorobenzene

Concen: 20.157 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VN072503.D

Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 80330

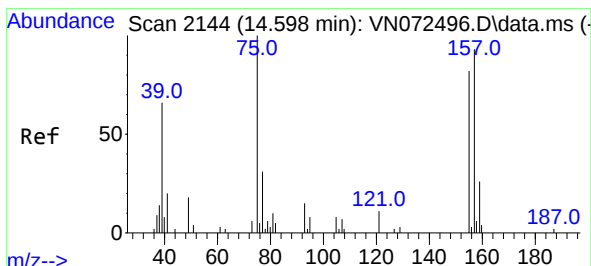
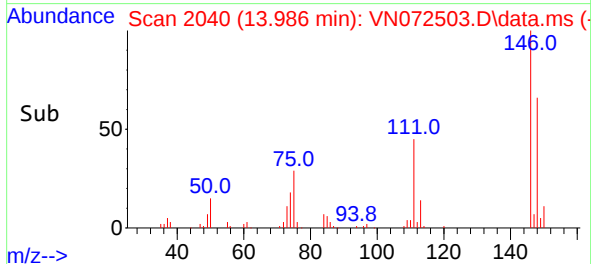
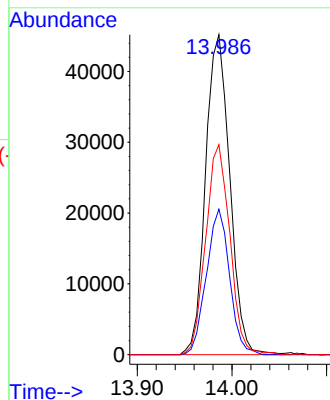
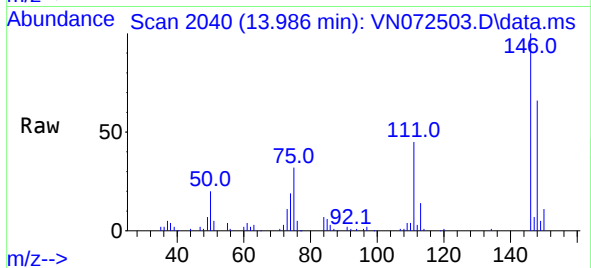
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.2
148	65.4	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.470 ug/l

RT: 14.598 min Scan# 2144

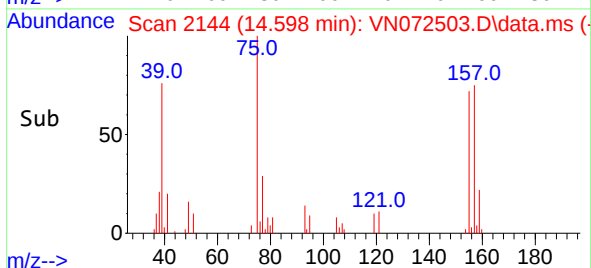
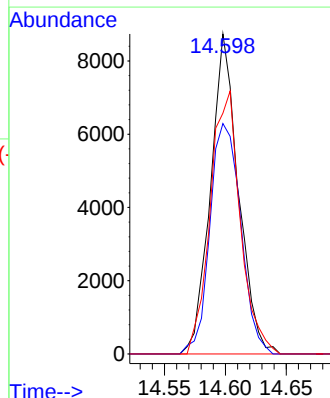
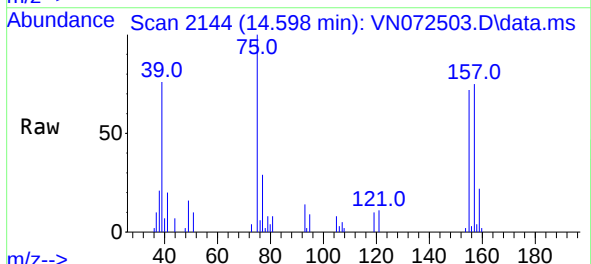
Delta R.T. 0.000 min

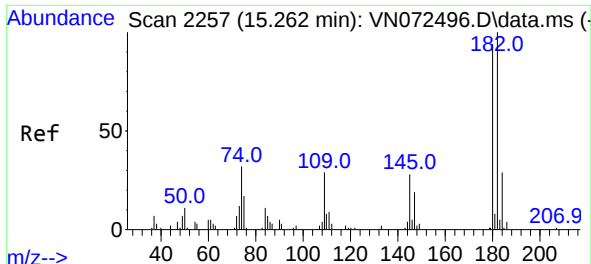
Lab File: VN072503.D

Acq: 16 May 2022 15:51

Tgt Ion: 75 Resp: 13888

Ion	Ratio	Lower	Upper
75	100		
155	79.8	63.8	95.8
157	88.6	77.9	116.9





#89
1,2,4-Trichlorobenzene
Concen: 19.708 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

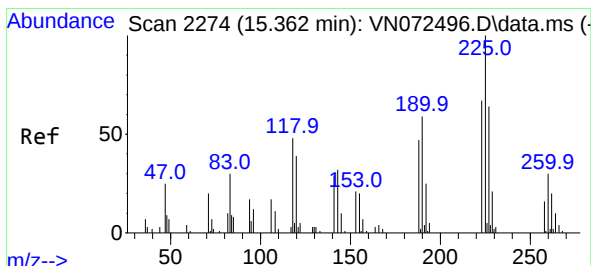
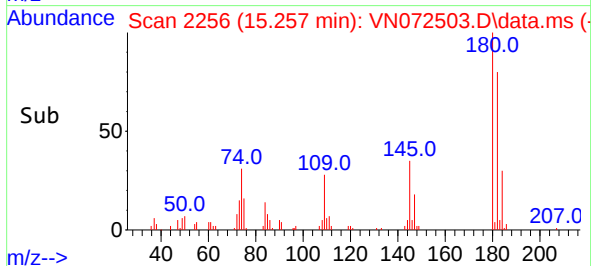
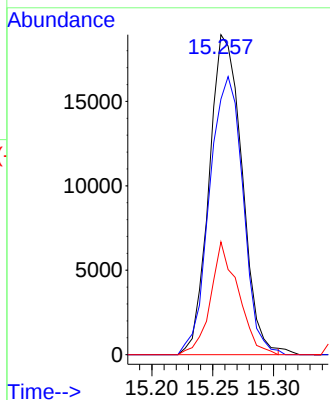
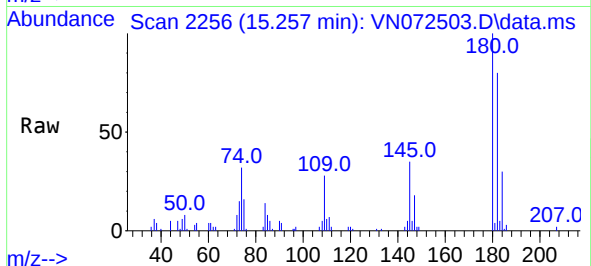
VSTDCCC020

Tgt Ion:180 Resp: 3555
Ion Ratio Lower Upper
180 100
182 88.8 77.7 116.5
145 29.8 26.6 39.8

Manual Integrations

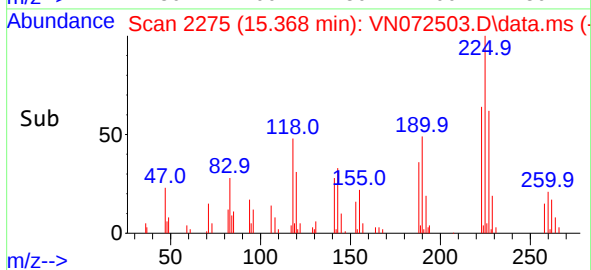
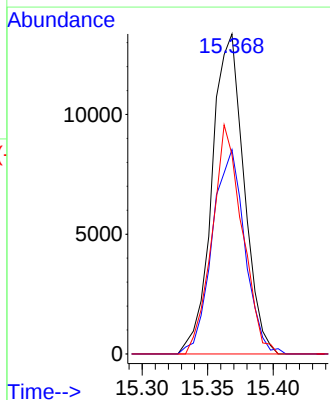
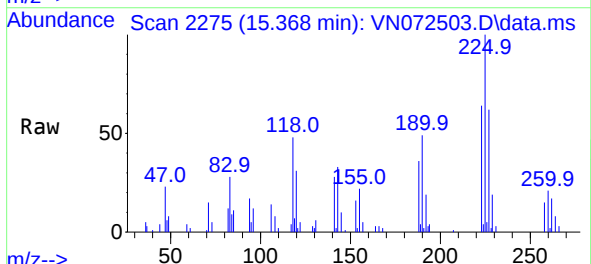
APPROVED

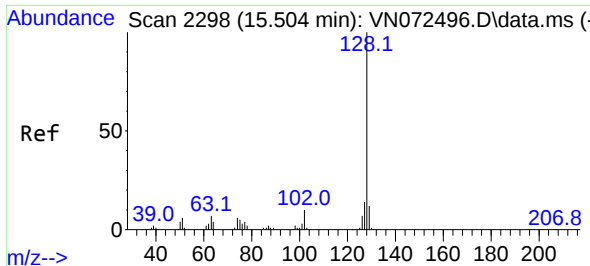
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#90
Hexachlorobutadiene
Concen: 20.276 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

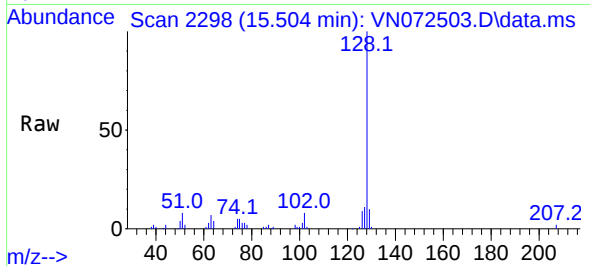
Tgt Ion:225 Resp: 22608
Ion Ratio Lower Upper
225 100
223 65.1 0.0 126.8
227 67.8 0.0 123.0





#91
Naphthalene
Concen: 20.634 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51

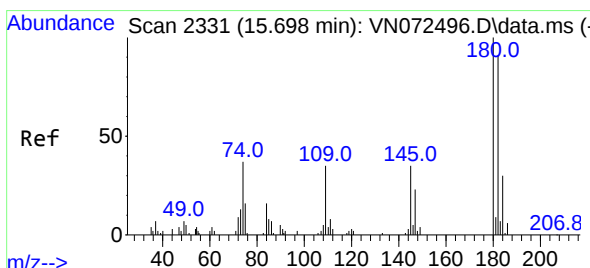
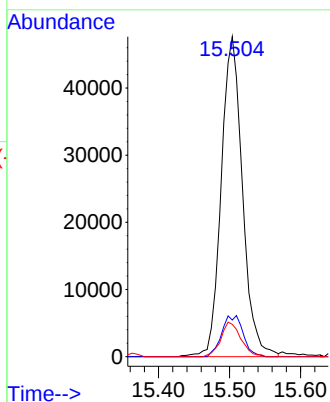
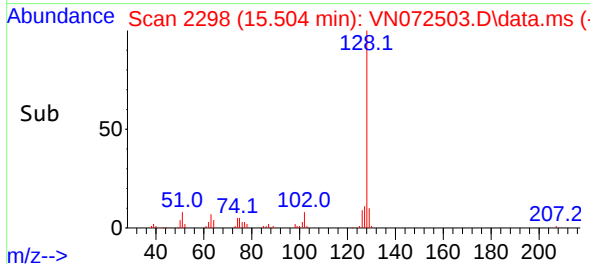
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



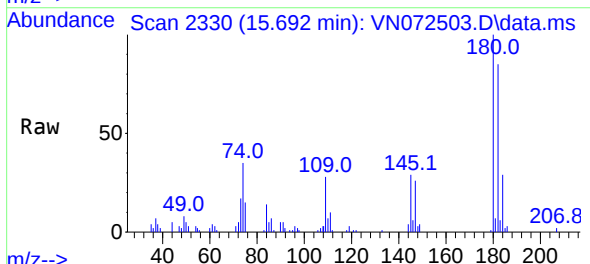
Tgt Ion:128 Resp: 98780
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.2 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#92
1,2,3-Trichlorobenzene
Concen: 19.438 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN072503.D
Acq: 16 May 2022 15:51



Tgt Ion:180 Resp: 35697
Ion Ratio Lower Upper
180 100
182 93.2 0.0 190.0
145 32.5 0.0 67.8

