

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072496.D
 Acq On : 16 May 2022 12:40
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

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

Quant Time: May 16 13:20:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon May 16 13:19:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	24423	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	137069	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	128425	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	89578	40.406	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 134.700%#			
60) 4-Bromofluorobenzene	12.727	95	73599	34.674	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 115.567%#			
63) Toluene-d8	10.439	98	215053	34.107	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 113.700%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	43232	28.943	ug/l	95
3) Chloromethane	2.299	50	38720	23.998	ug/l	93
4) Vinyl Chloride	2.446	62	32723	19.380	ug/l	97
5) Bromomethane	2.828	94	22936	22.809	ug/l	98
6) Chloroethane	2.999	64	20926	19.502	ug/l	90
7) Trichlorofluoromethane	3.369	101	78812	30.986	ug/l	96
8) Diethyl Ether	3.822	74	22965	24.760	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.210	101	37185	27.000	ug/l #	66
10) 1,1-Dichloroethene	4.187	96	32048	24.616	ug/l #	79
11) Methyl Iodide	4.416	142	47961	25.091	ug/l	96
12) Methyl Acetate	4.857	43	54069	27.461	ug/l #	87
13) Acrolein	4.040	56	40863	167.927	ug/l	98
14) Acrylonitrile	5.551	53	108442	127.764	ug/l	60
15) Acetone	4.281	58	28814	122.256	ug/l	77
16) Carbon Disulfide	4.522	76	84330	24.684	ug/l	98
17) Allyl chloride	4.834	41	57737	26.311	ug/l	95
18) Methylene Chloride	5.093	84	39052	24.796	ug/l	96
19) trans-1,2-Dichloroethene	5.598	96	35702	25.258	ug/l	94
20) Diisopropyl ether	6.487	45	121613	26.563	ug/l	98
21) 1,1-Dichloroethane	6.387	63	72688	26.216	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	41383	24.471	ug/l	92
23) tert-Butyl Alcohol	5.375	59	46799m	142.558	ug/l	
24) Methyl tert-Butyl Ether	5.610	73	133284	26.977	ug/l	100
25) Chloroform	7.810	83	79409	27.725	ug/l	96
26) Cyclohexane	8.098	56	59280	25.392	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	53514	25.544	ug/l	98
30) 2-Butanone	7.328	43	159522	133.260	ug/l	96
31) 2,2-Dichloropropane	7.322	77	65190	26.597	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	76869	29.043	ug/l	100
33) Carbon Tetrachloride	8.204	117	71092	30.611	ug/l	95
34) Benzene	8.457	78	156326	24.525	ug/l	93
35) Methacrylonitrile	7.634	41	32110	27.501	ug/l	93
36) 1,2-Dichloroethane	8.522	62	73662	29.461	ug/l #	90
37) Trichloroethene	9.210	130	42019	25.060	ug/l	90
38) Methylcyclohexane	9.457	83	62463	24.334	ug/l	94
39) 1,2-Dichloropropane	9.486	63	40055	24.890	ug/l	95
40) Dibromomethane	9.575	93	30662	26.917	ug/l	90
41) Bromodichloromethane	9.757	83	62801	27.248	ug/l	97
42) Vinyl Acetate	6.428	43	538097	131.832	ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	59571	26.103	ug/l	98
44) Isopropyl Acetate	8.557	43	97869	26.085	ug/l	99
45) 1,4-Dioxane	9.569	88	19185	520.771	ug/l	94
46) Methyl methacrylate	9.551	41	42870	26.084	ug/l	86
47) n-amyl Acetate	12.386	43	61164	25.025	ug/l	97
48) t-1,3-Dichloropropene	10.716	75	64251	26.052	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	66835	25.357	ug/l	98
50) 1,1,2-Trichloroethane	10.892	97	40997	25.076	ug/l	96
51) Ethyl methacrylate	10.757	69	62241	24.575	ug/l	95
52) 1,3-Dichloropropane	11.039	76	71363	25.377	ug/l	100
53) Dibromochloromethane	11.233	129	50643	27.928	ug/l	96
54) 1,2-Dibromoethane	11.339	107	42635	25.153	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	72605	113.361	ug/l	99
56) Bromoform	12.451	173	35536	26.203	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	308743	132.641	ug/l	98
59) 2-Hexanone	11.080	43	225922	132.489	ug/l	98
61) Tetrachloroethene	10.974	164	39730	26.516	ug/l	85
62) Toluene	10.504	91	175406	24.590	ug/l	96
64) Chlorobenzene	11.763	112	106083	24.078	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.839	131	46111	26.951	ug/l	97
66) Ethyl Benzene	11.839	91	195440	24.867	ug/l	99
67) m/p-Xylenes	11.951	106	147903	48.993	ug/l	94
68) o-Xylene	12.280	106	73117	24.293	ug/l	95
69) Styrene	12.292	104	114150	24.093	ug/l	96
70) Isopropylbenzene	12.574	105	193306	25.253	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.821	83	61133	24.923	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	58335m	26.833	ug/l	
73) Bromobenzene	12.857	156	45650	24.492	ug/l	99
74) n-propylbenzene	12.916	91	204085	24.623	ug/l	98
75) 2-Chlorotoluene	13.004	91	137873	25.880	ug/l	93
76) 1,3,5-Trimethylbenzene	13.057	105	164304	26.254	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	16338	22.541	ug/l	88
78) 4-Chlorotoluene	13.104	91	124319	25.221	ug/l	95
79) tert-butylbenzene	13.321	119	143672	25.682	ug/l	99
80) 1,2,4-Trimethylbenzene	13.363	105	158144m	25.969	ug/l	
81) sec-Butylbenzene	13.498	105	186744	25.051	ug/l	98
82) p-Isopropyltoluene	13.610	119	154746	25.365	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	76092	24.788	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	73879	25.053	ug/l	99
85) n-Butylbenzene	13.939	91	105272	23.666	ug/l	99
86) Hexachloroethane	14.204	117	27199	24.364	ug/l	83
87) 1,2-Dichlorobenzene	13.986	146	76971	25.816	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	13651	28.408	ug/l	98
89) 1,2,4-Trichlorobenzene	15.262	180	30477	22.868	ug/l	99
90) Hexachlorobutadiene	15.362	225	22047	26.587	ug/l	99
91) Naphthalene	15.504	128	86525	23.094	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	32158	24.130	ug/l	97

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

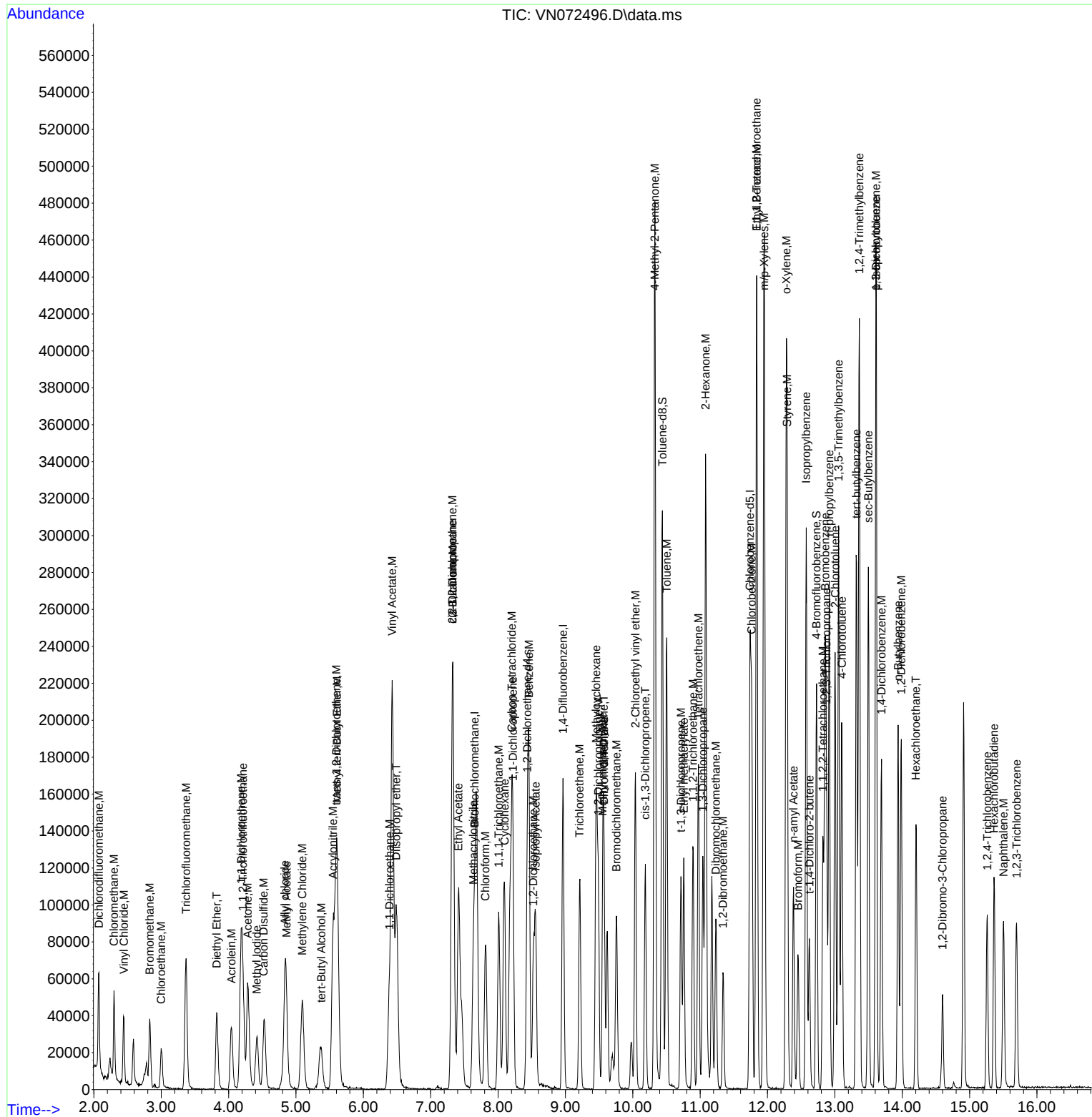
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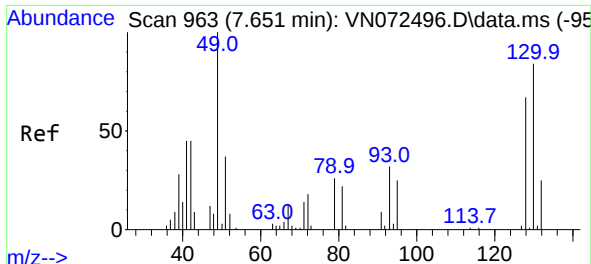
Instrument :
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ClientSampleId :
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Manual Integrations
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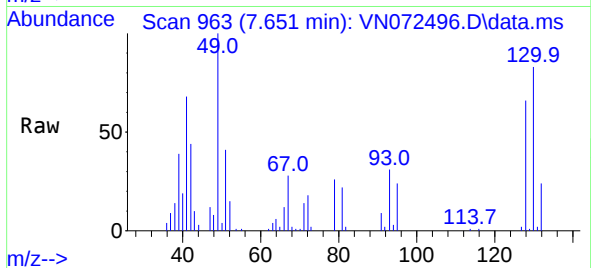
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon May 16 13:19:02 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

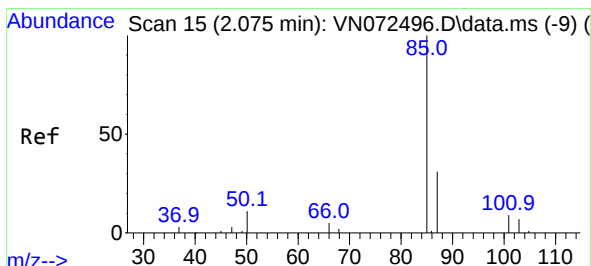
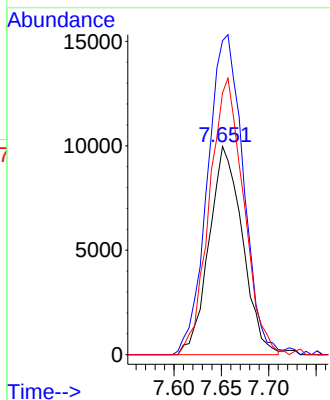
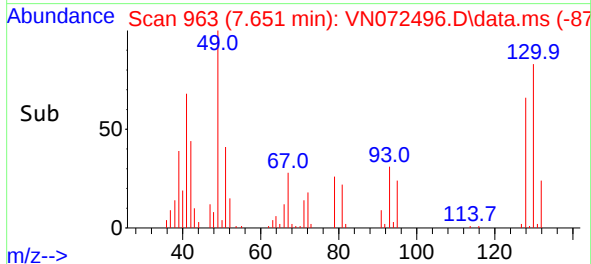
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MSVOA_N
ClientSampleId :
VSTDICCC020



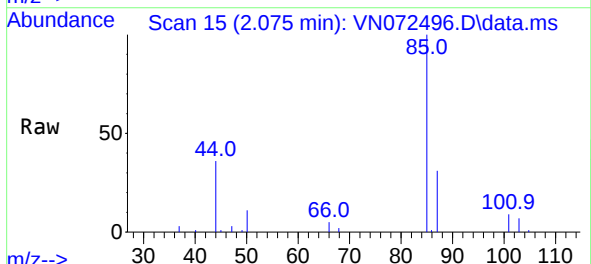
Tgt Ion:128 Resp: 2442
Ion Ratio Lower Upper
128 100
49 164.8 0.0 392.3
130 136.4 0.0 320.2

Manual Integrations
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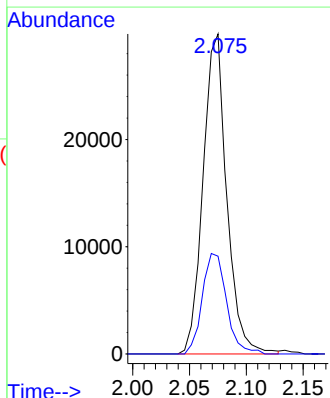
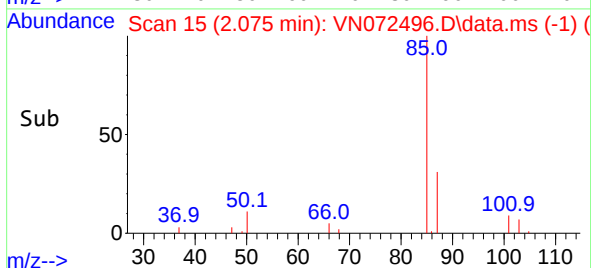
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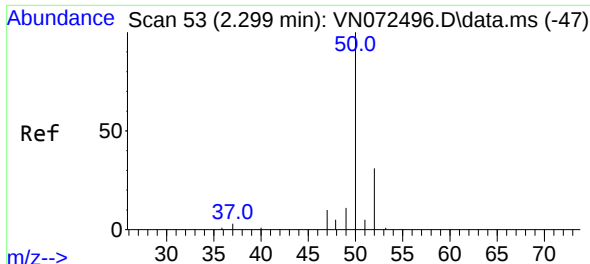


#2
Dichlorodifluoromethane
Concen: 28.943 ug/l
RT: 2.075 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



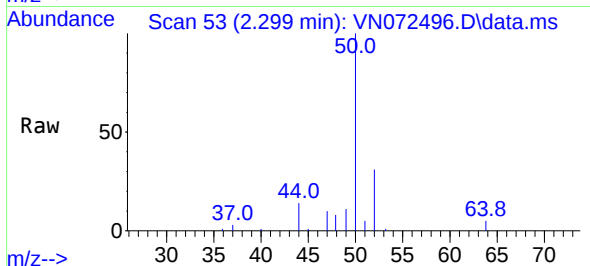
Tgt Ion: 85 Resp: 43232
Ion Ratio Lower Upper
85 100
87 30.5 16.6 49.7





#3
Chloromethane
Concen: 23.998 ug/l
RT: 2.299 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

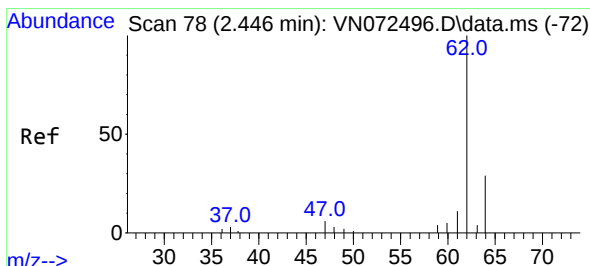
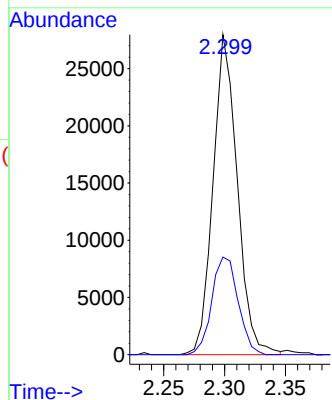
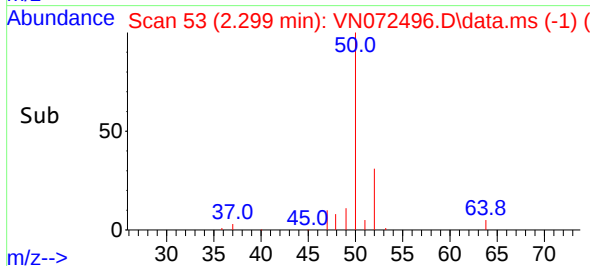
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ClientSampleId :
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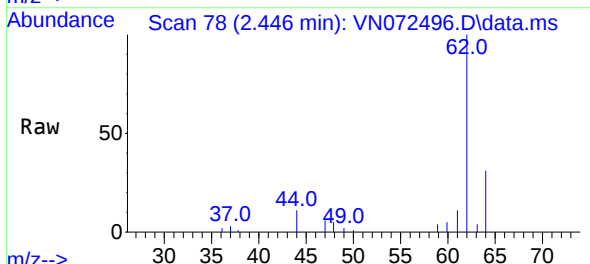
Tgt Ion: 50 Resp: 38720
Ion Ratio Lower Upper
50 100
52 30.5 27.8 41.6

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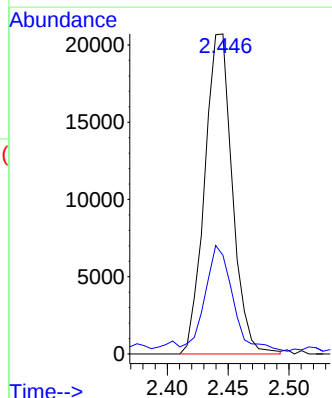
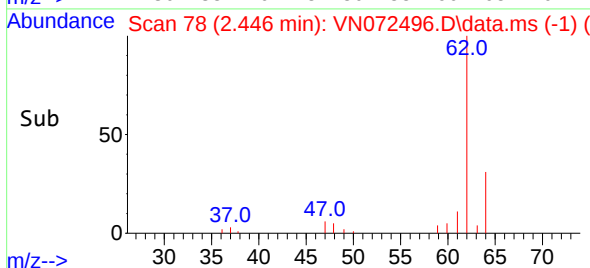
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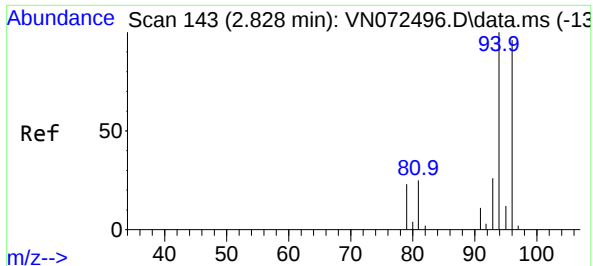


#4
Vinyl Chloride
Concen: 19.380 ug/l
RT: 2.446 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



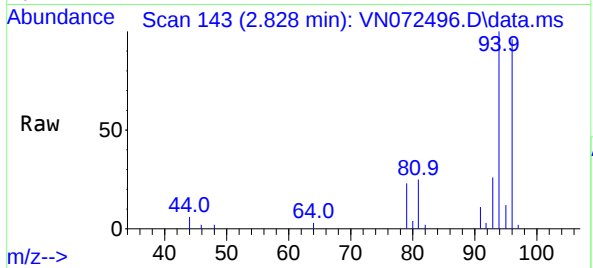
Tgt Ion: 62 Resp: 32723
Ion Ratio Lower Upper
62 100
64 29.5 25.1 37.7





#5
Bromomethane
Concen: 22.809 ug/l
RT: 2.828 min Scan# 143
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

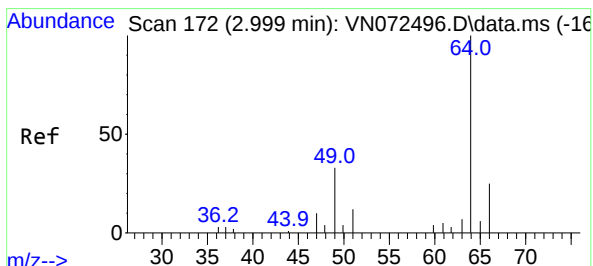
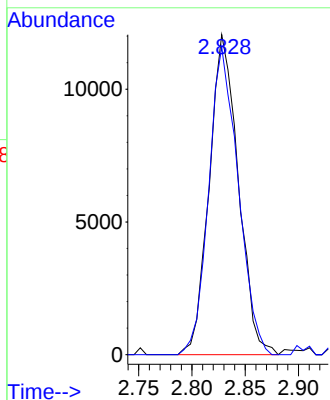
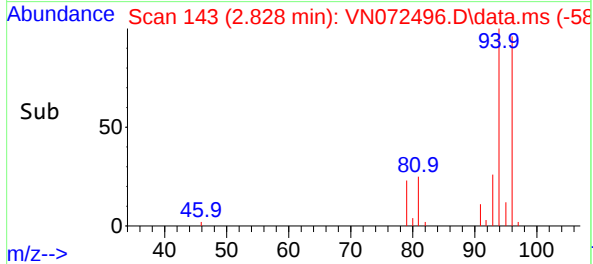
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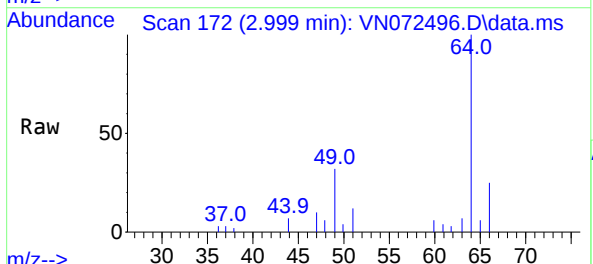
Tgt Ion: 94 Resp: 22936
Ion Ratio Lower Upper
94 100
96 96.1 75.2 112.8

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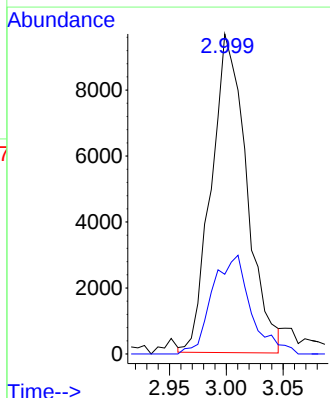
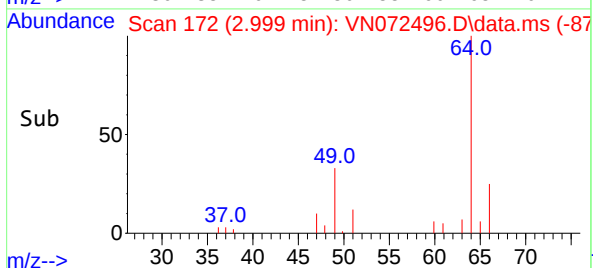
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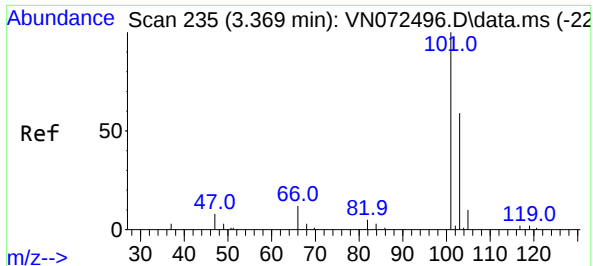


#6
Chloroethane
Concen: 19.502 ug/l
RT: 2.999 min Scan# 172
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion: 64 Resp: 20926
Ion Ratio Lower Upper
64 100
66 25.4 24.6 36.8





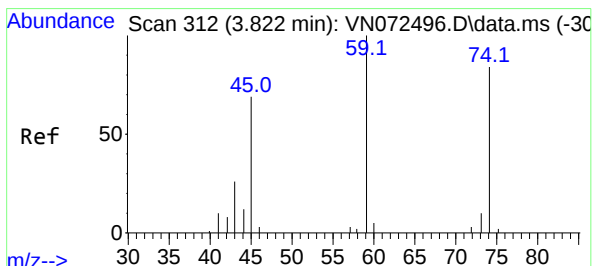
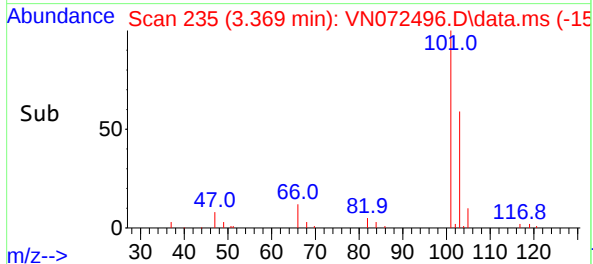
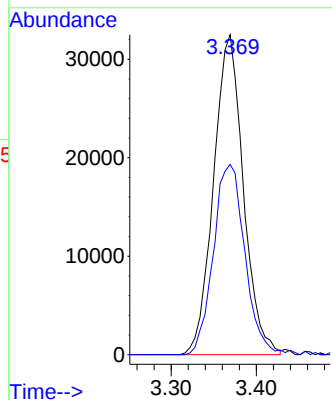
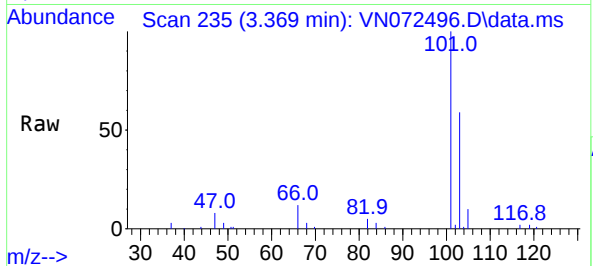
#7
Trichlorofluoromethane
Concen: 30.986 ug/l
RT: 3.369 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
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Tgt Ion:101 Resp: 7881
Ion Ratio Lower Upper
101 100
103 59.4 50.1 75.1

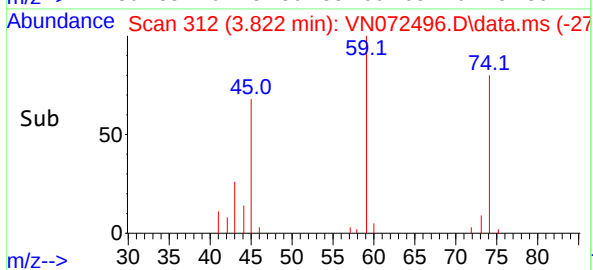
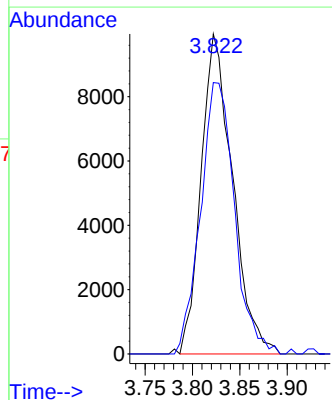
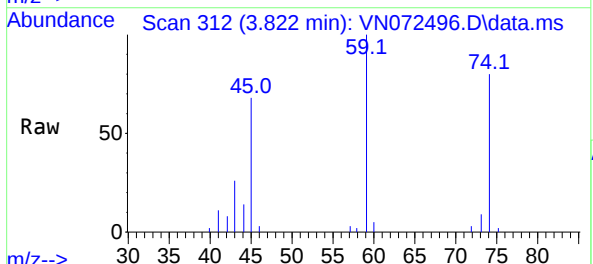
Manual Integrations
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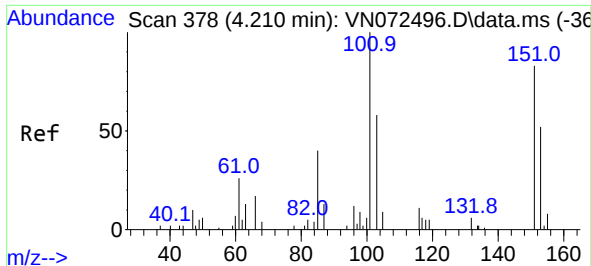
Reviewed By :John Carlone 05/17/2022
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#8
Diethyl Ether
Concen: 24.760 ug/l
RT: 3.822 min Scan# 312
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 74 Resp: 22965
Ion Ratio Lower Upper
74 100
45 91.5 17.6 158.8





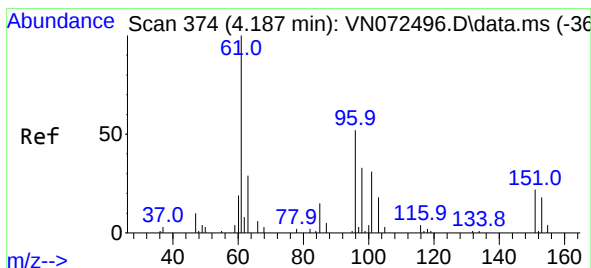
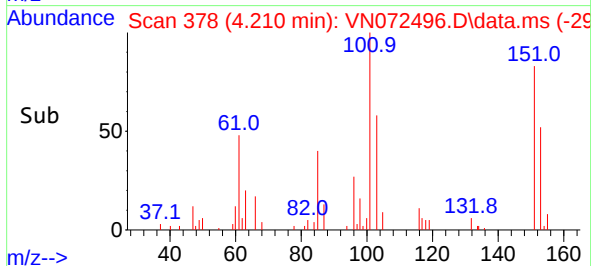
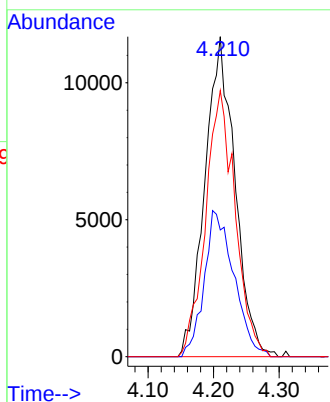
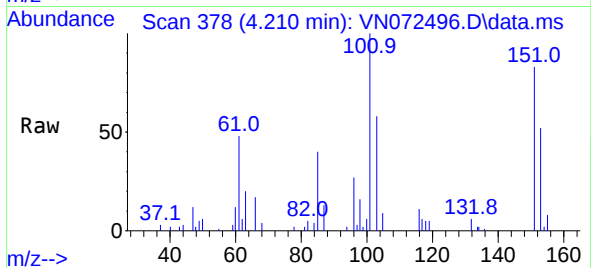
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1,1,2-Trichlorotrifluoroethane
Concen: 27.000 ug/l
RT: 4.210 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN072496.D
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MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 3718
Ion Ratio Lower Upper
101 100
85 45.2 0.0 94.0
151 81.8 0.0 74.6

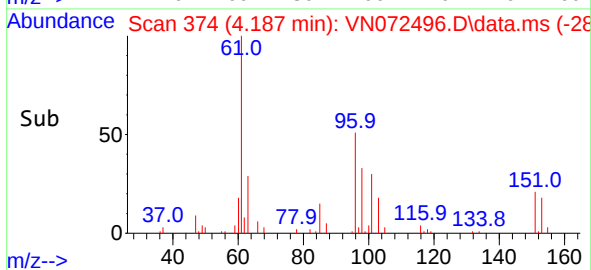
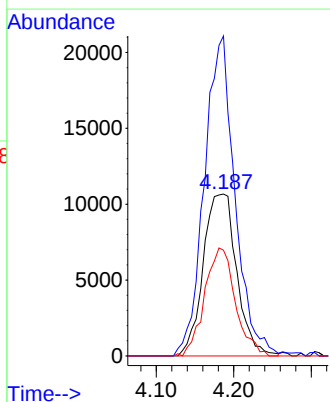
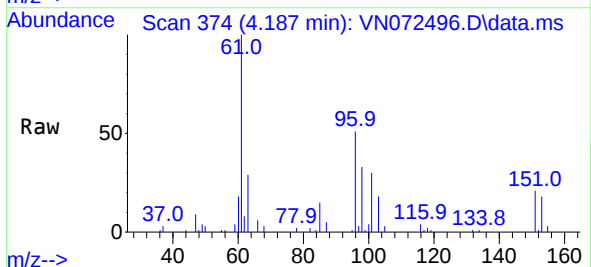
Manual Integrations
APPROVED

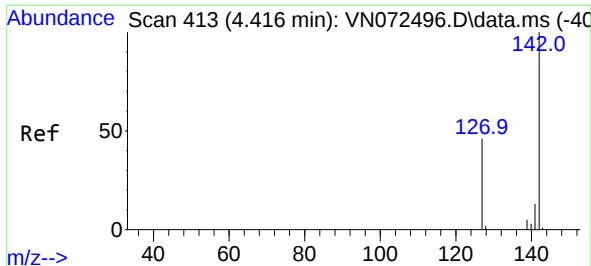
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#10
1,1-Dichloroethene
Concen: 24.616 ug/l
RT: 4.187 min Scan# 374
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

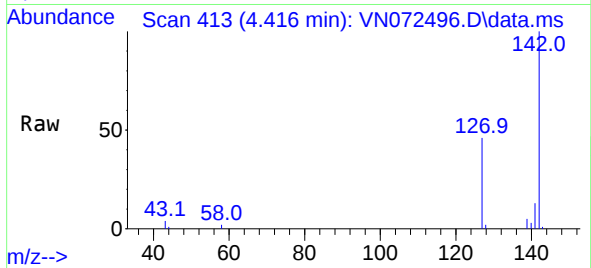
Tgt Ion: 96 Resp: 32048
Ion Ratio Lower Upper
96 100
61 196.0 126.2 189.4#
98 65.4 50.9 76.3





#11
Methyl Iodide
Concen: 25.091 ug/l
RT: 4.416 min Scan# 413
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

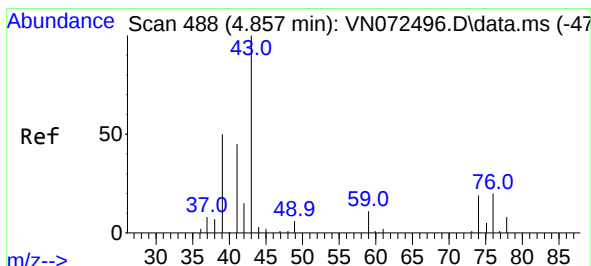
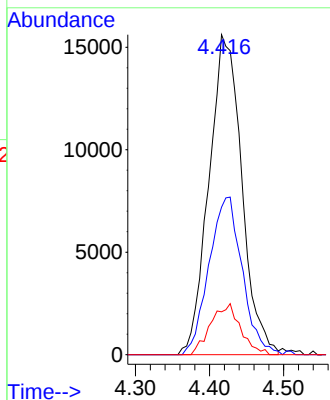
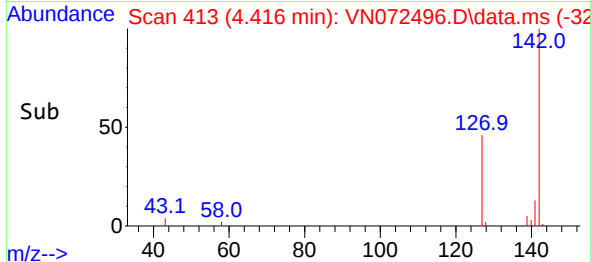
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



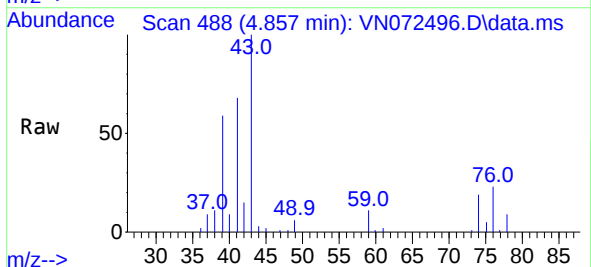
Tgt Ion:142 Resp: 4796
Ion Ratio Lower Upper
142 100
127 45.8 24.0 72.0
141 13.5 8.4 25.2

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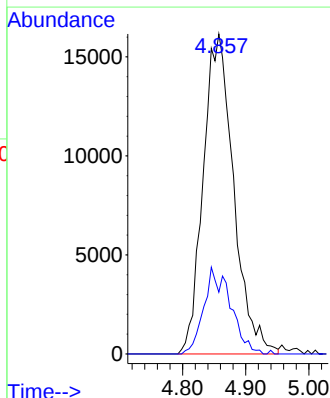
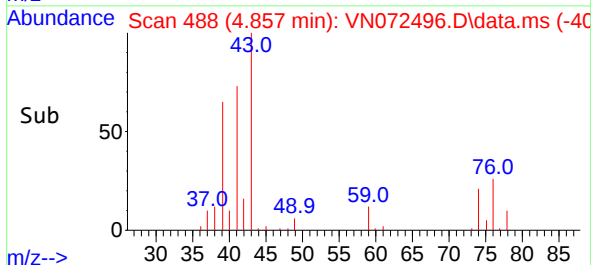
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

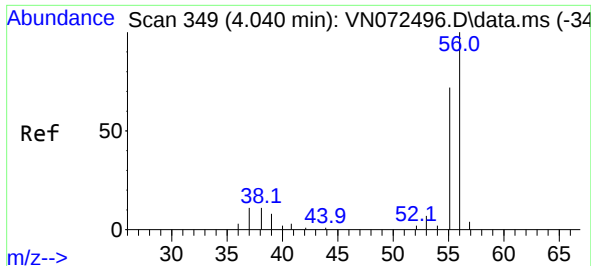


#12
Methyl Acetate
Concen: 27.461 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



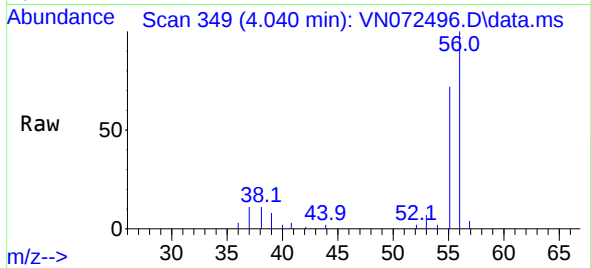
Tgt Ion: 43 Resp: 54069
Ion Ratio Lower Upper
43 100
74 19.5 20.8 31.2#





#13
Acrolein
Concen: 167.927 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

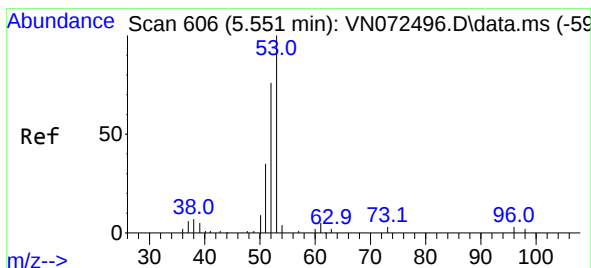
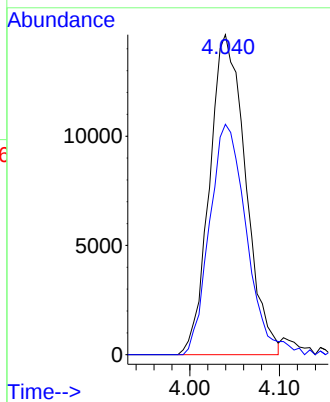
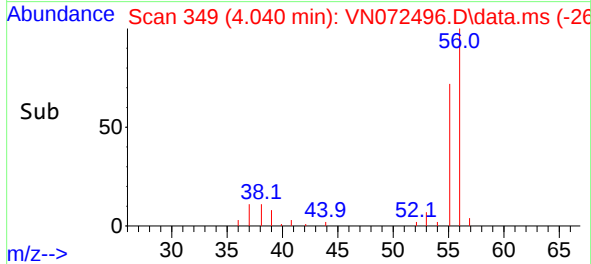
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



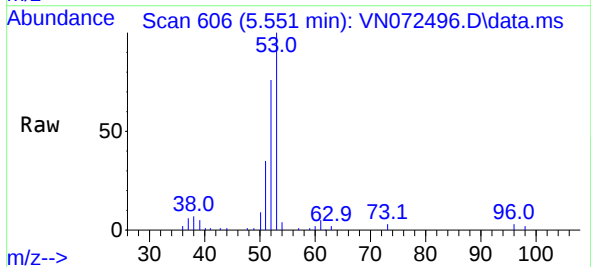
Tgt Ion: 56 Resp: 4086
Ion Ratio Lower Upper
56 100
55 73.8 57.6 86.4

Manual Integrations
APPROVED

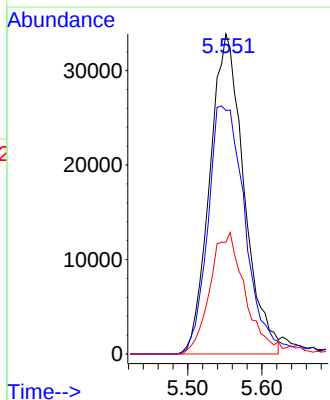
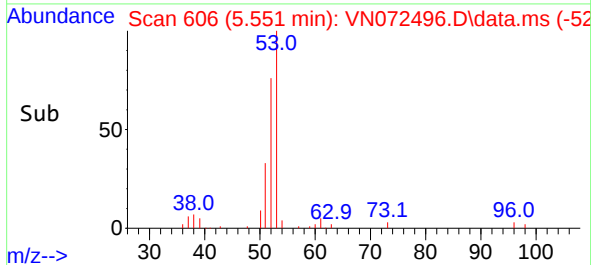
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

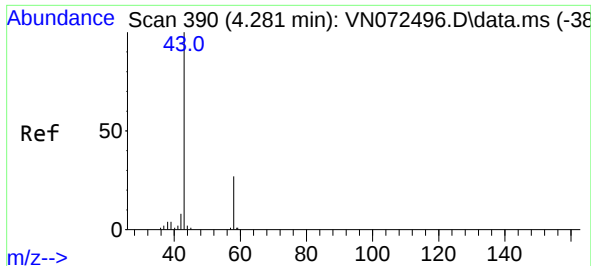


#14
Acrylonitrile
Concen: 127.764 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion: 53 Resp: 108442
Ion Ratio Lower Upper
53 100
52 43.6 41.8 125.4
51 19.4 19.0 57.0





#15

Acetone

Concen: 122.256 ug/l

RT: 4.281 min Scan# 390

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 58 Resp: 28814

Ion Ratio Lower Upper

58 100

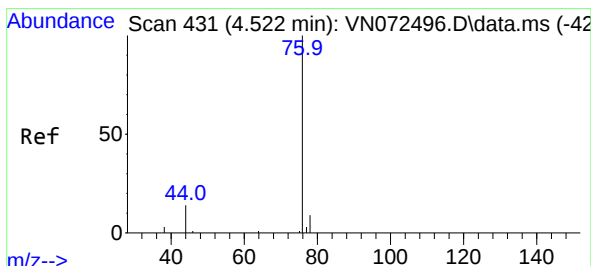
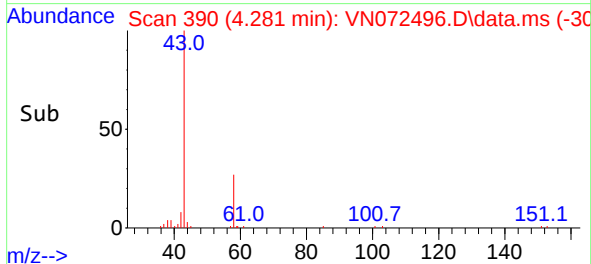
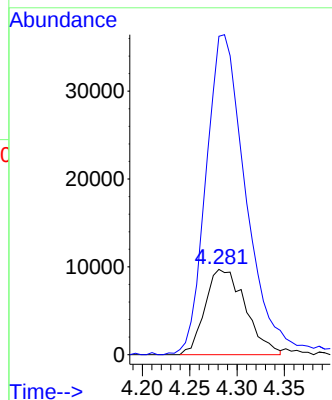
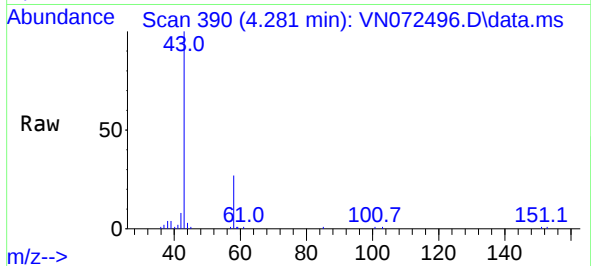
43 367.0 256.6 384.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#16

Carbon Disulfide

Concen: 24.684 ug/l

RT: 4.522 min Scan# 431

Delta R.T. 0.000 min

Lab File: VN072496.D

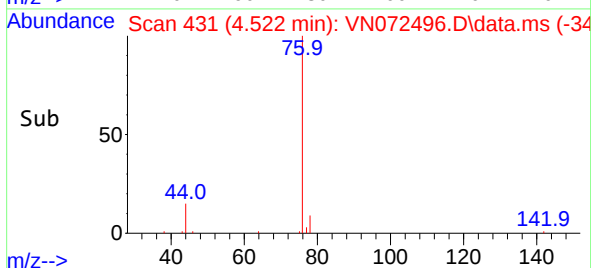
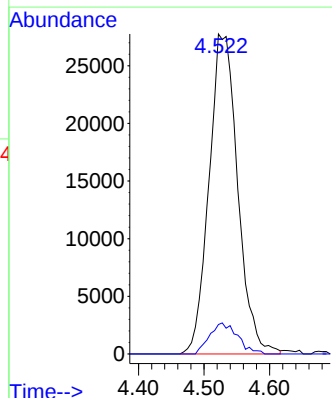
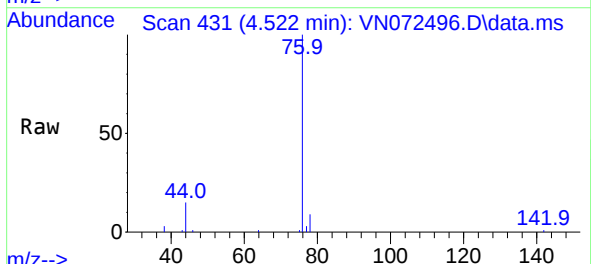
Acq: 16 May 2022 12:40

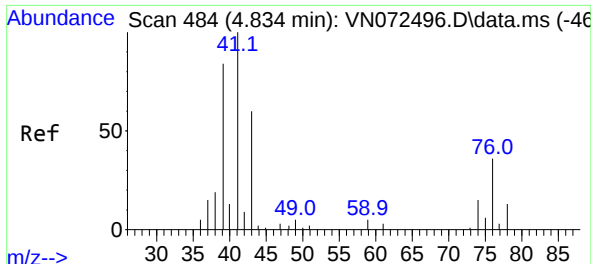
Tgt Ion: 76 Resp: 84330

Ion Ratio Lower Upper

76 100

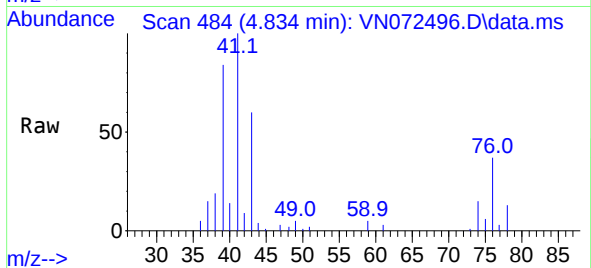
78 9.2 7.8 11.8





#17
 Allyl chloride
 Concen: 26.311 ug/l
 RT: 4.834 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN072496.D
 Acq: 16 May 2022 12:40

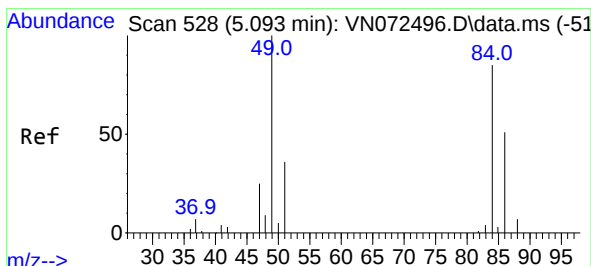
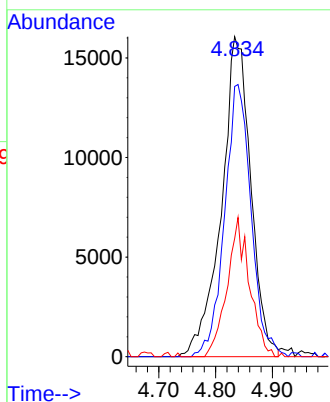
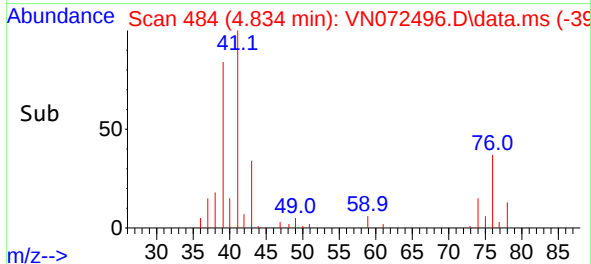
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



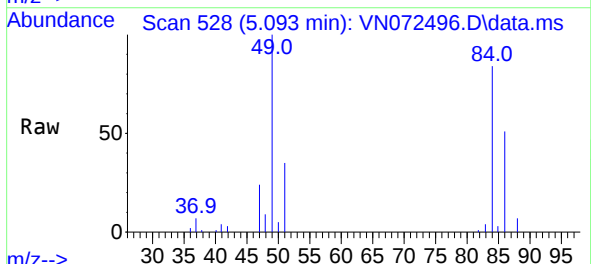
Tgt Ion: 41 Resp: 5773
 Ion Ratio Lower Upper
 41 100
 39 84.5 44.6 134.0
 76 36.9 19.6 58.7

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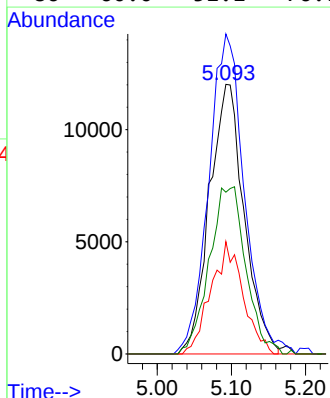
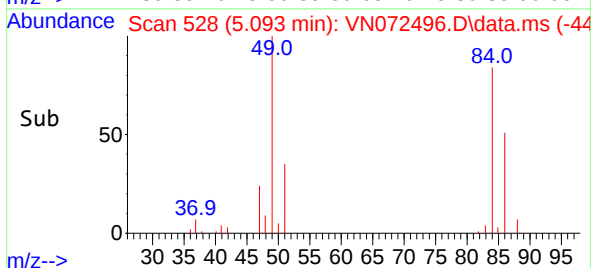
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022

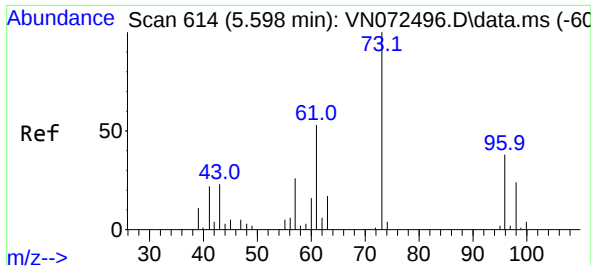


#18
 Methylene Chloride
 Concen: 24.796 ug/l
 RT: 5.093 min Scan# 528
 Delta R.T. 0.000 min
 Lab File: VN072496.D
 Acq: 16 May 2022 12:40



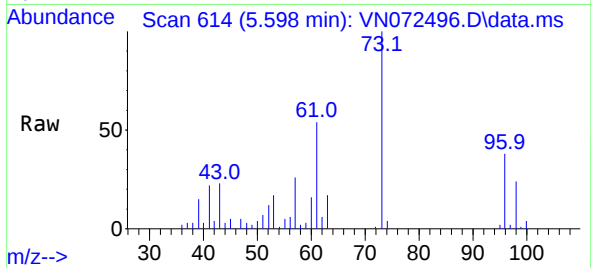
Tgt Ion: 84 Resp: 39052
 Ion Ratio Lower Upper
 84 100
 49 117.1 91.4 137.0
 51 41.7 29.4 44.0
 86 60.0 51.1 76.7





#19
trans-1,2-Dichloroethene
Concen: 25.258 ug/l
RT: 5.598 min Scan# 614
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

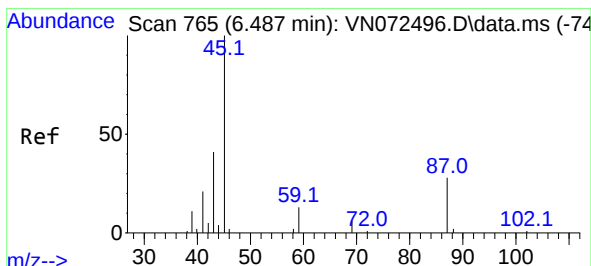
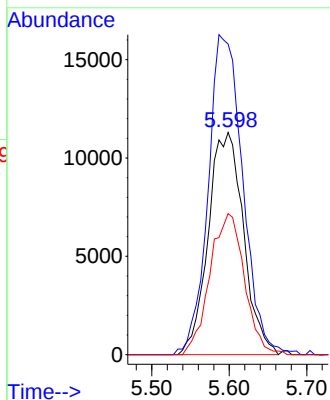
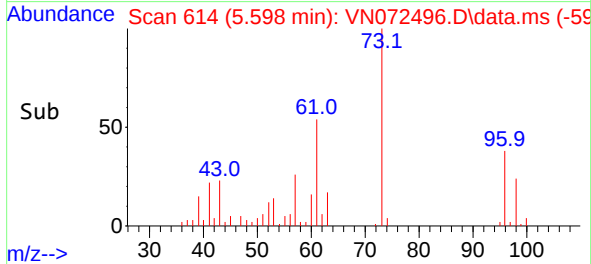
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



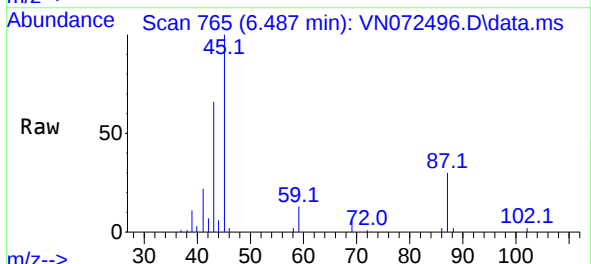
Tgt Ion: 96 Resp: 35702
Ion Ratio Lower Upper
96 100
61 137.2 102.8 154.2
98 63.5 49.3 73.9

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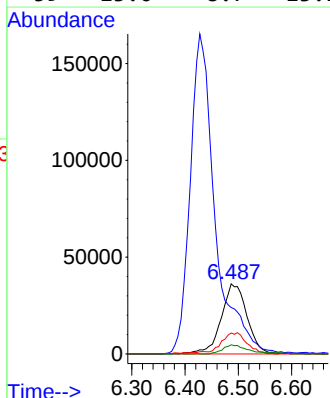
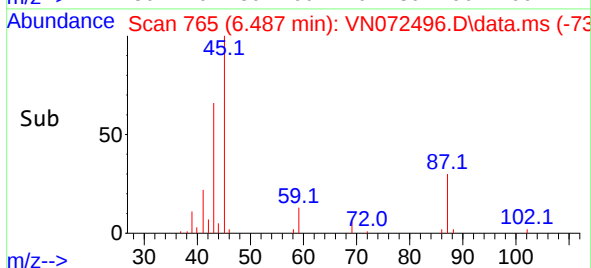
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

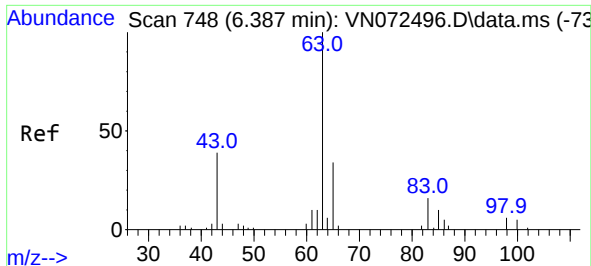


#20
Diisopropyl ether
Concen: 26.563 ug/l
RT: 6.487 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion: 45 Resp: 121613
Ion Ratio Lower Upper
45 100
43 63.5 51.0 76.4
87 29.8 25.0 37.4
59 13.0 8.7 13.1





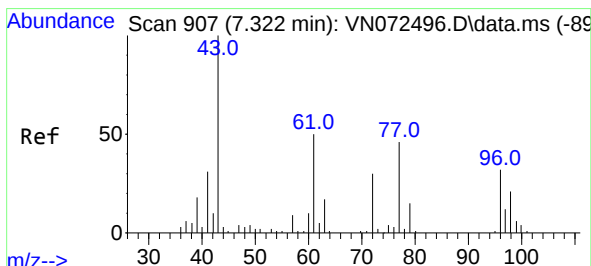
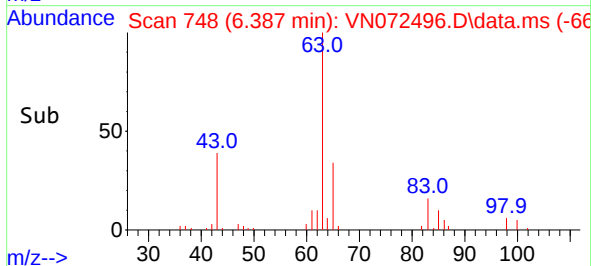
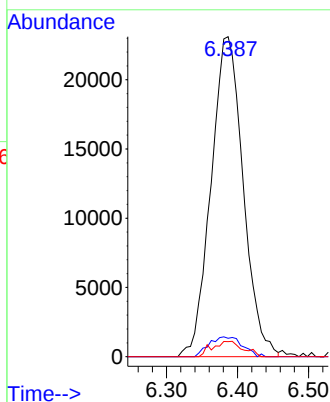
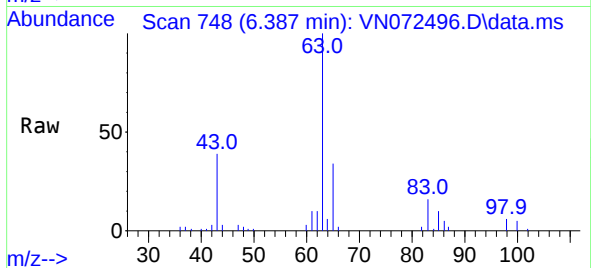
#21
1,1-Dichloroethane
Concen: 26.216 ug/l
RT: 6.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 72688
Ion Ratio Lower Upper
63 100
98 5.7 3.2 9.6
100 4.7 2.1 6.2

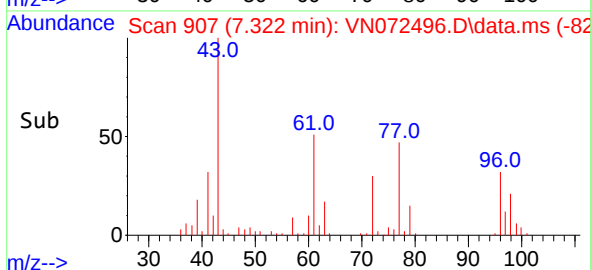
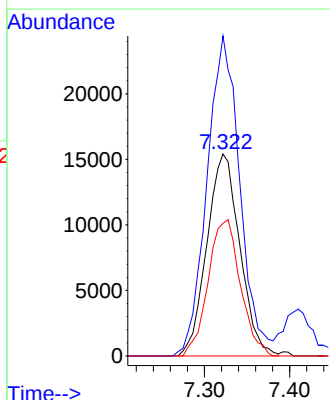
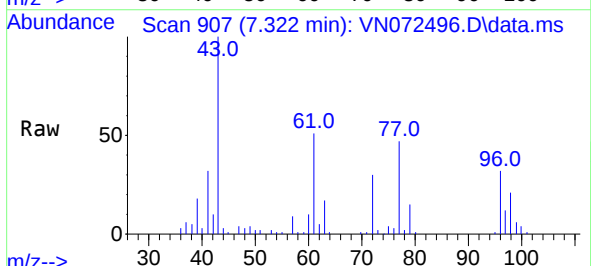
Manual Integrations
APPROVED

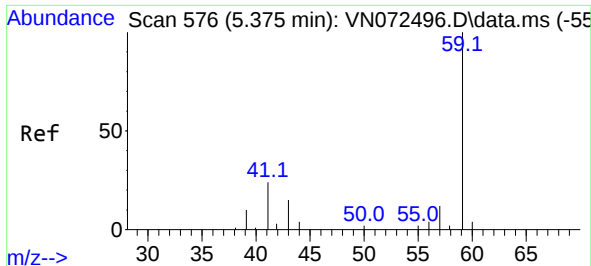
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#22
cis-1,2-Dichloroethene
Concen: 24.471 ug/l
RT: 7.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 96 Resp: 41383
Ion Ratio Lower Upper
96 100
61 158.0 115.7 173.5
98 66.1 51.6 77.4





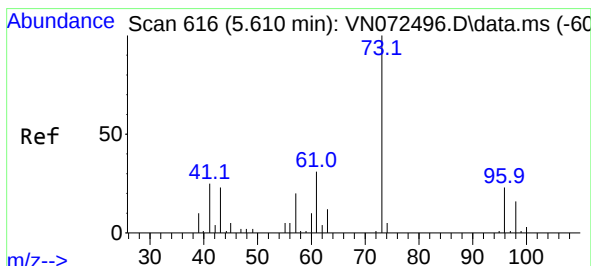
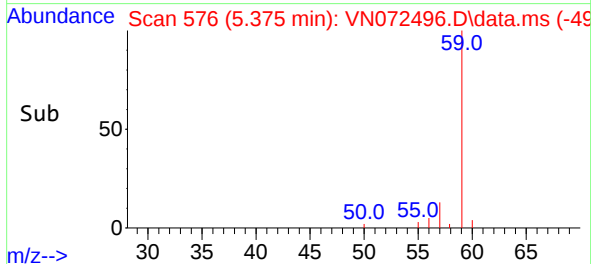
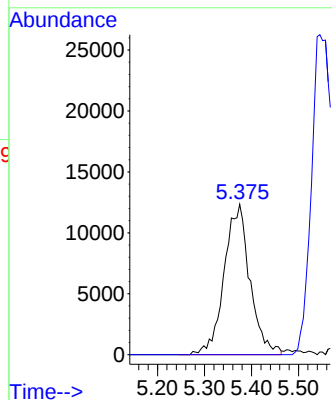
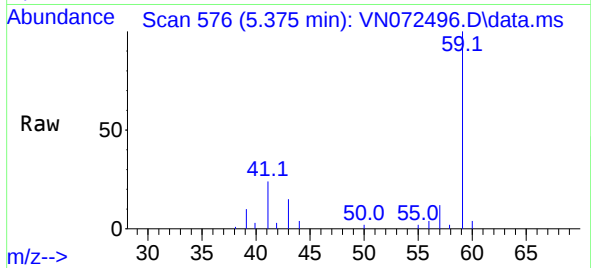
#23
tert-Butyl Alcohol
Concen: 142.558 ug/l m
RT: 5.375 min Scan# 576
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 59 Resp: 46799
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

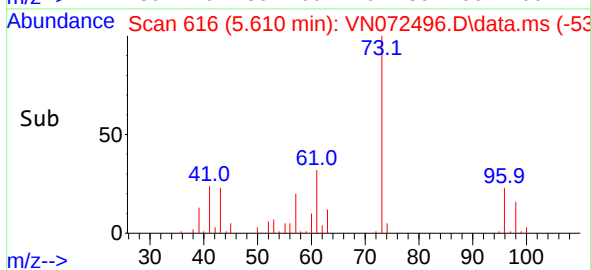
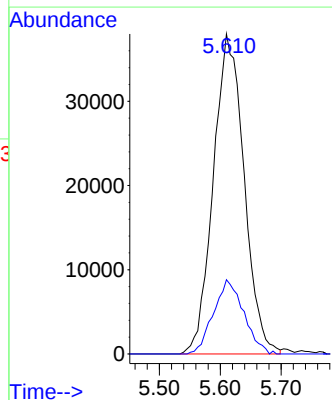
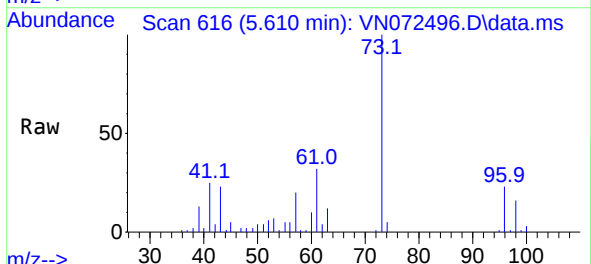
Manual Integrations
APPROVED

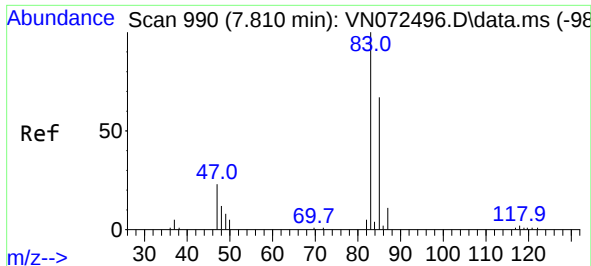
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#24
Methyl tert-Butyl Ether
Concen: 26.977 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

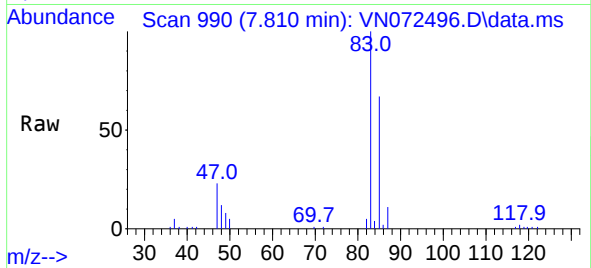
Tgt Ion: 73 Resp: 133284
Ion Ratio Lower Upper
73 100
43 22.7 18.1 27.1





#25
Chloroform
Concen: 27.725 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

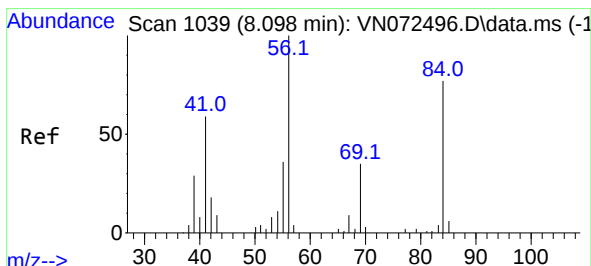
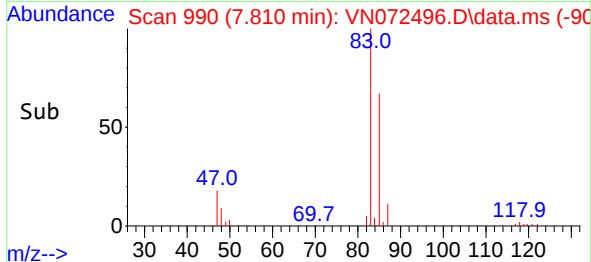
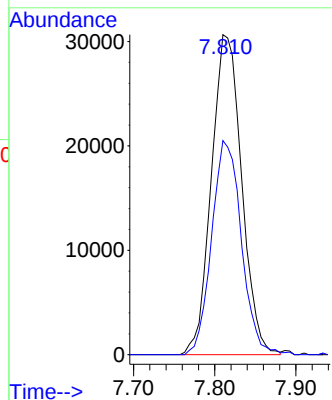
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 79409
Ion Ratio Lower Upper
83 100
85 66.9 51.3 76.9

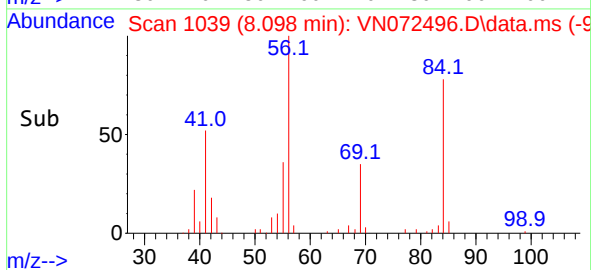
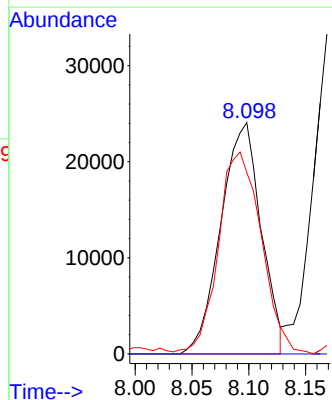
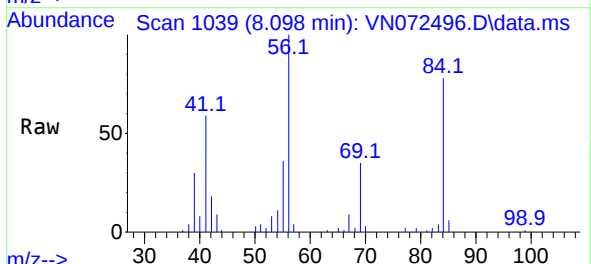
Manual Integrations
APPROVED

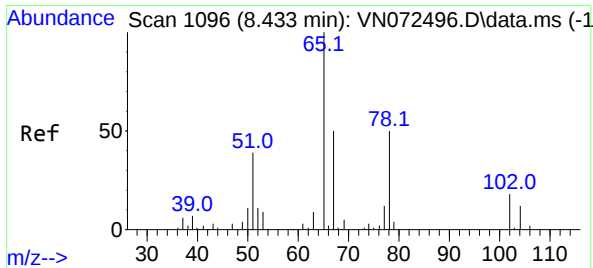
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#26
Cyclohexane
Concen: 25.392 ug/l
RT: 8.098 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 56 Resp: 59280
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 93.2 74.6 111.8





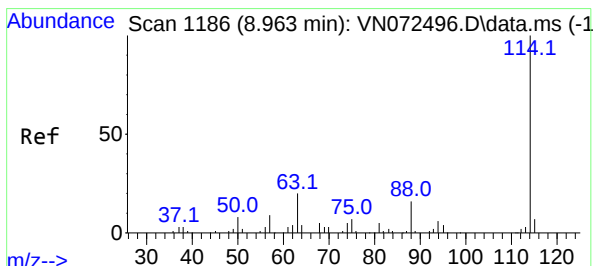
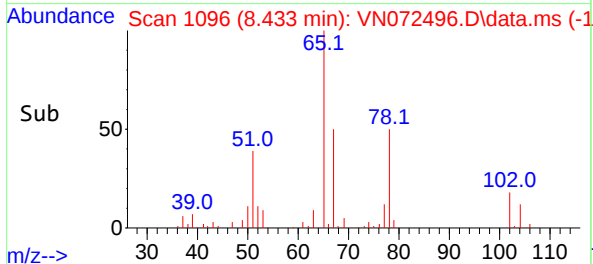
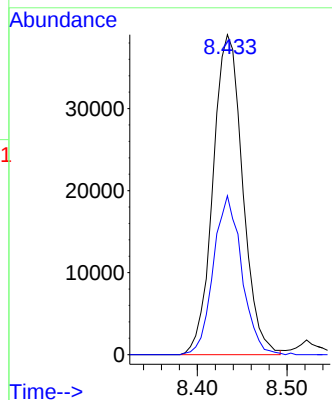
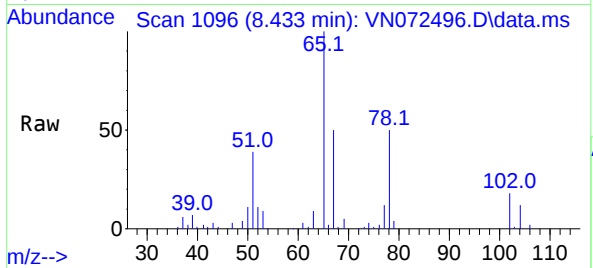
#27
1,2-Dichloroethane-d4
Concen: 40.406 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 65 Resp: 89578
Ion Ratio Lower Upper
65 100
67 47.6 40.2 60.2

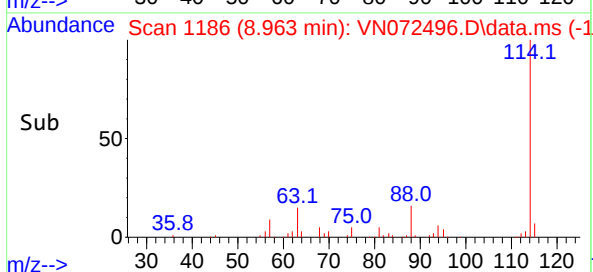
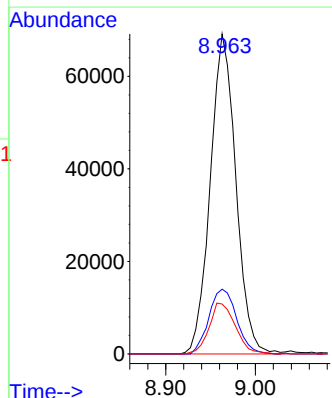
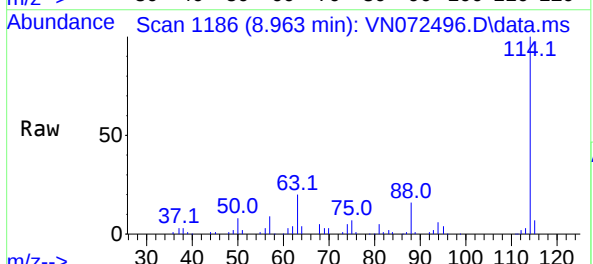
Manual Integrations
APPROVED

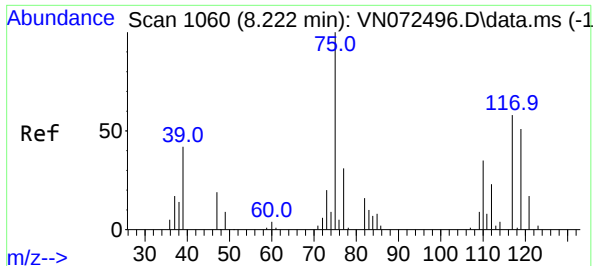
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:114 Resp: 137069
Ion Ratio Lower Upper
114 100
63 22.0 15.8 23.6
88 16.3 11.6 17.4





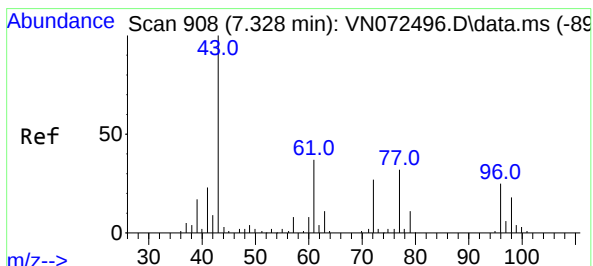
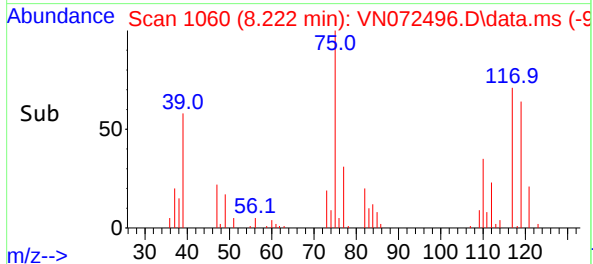
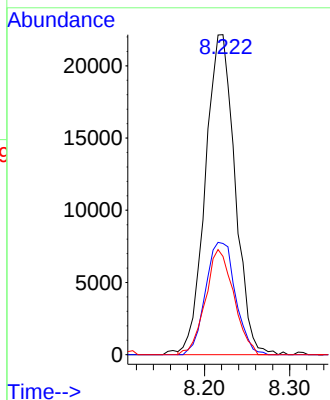
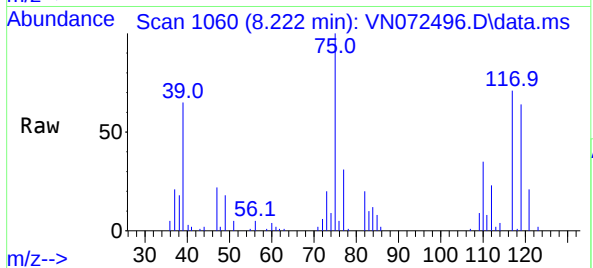
#29
1,1-Dichloropropene
Concen: 25.544 ug/l
RT: 8.222 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 53514
Ion Ratio Lower Upper
75 100
110 35.5 0.0 74.2
77 31.5 0.0 63.2

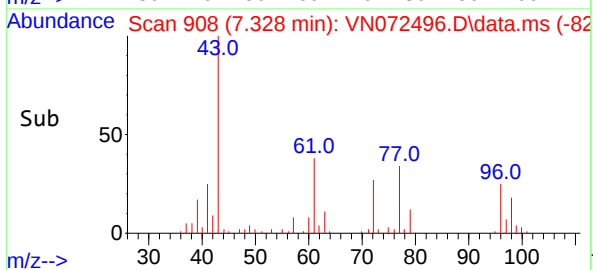
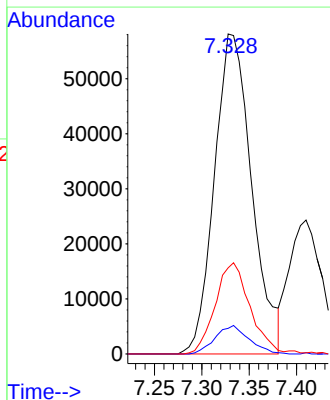
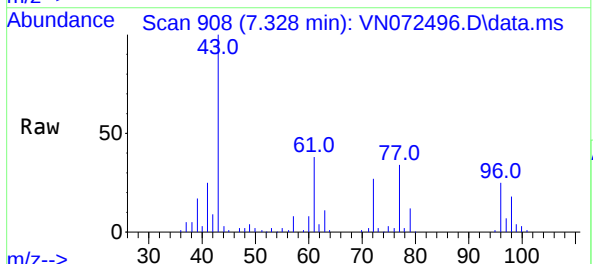
Manual Integrations
APPROVED

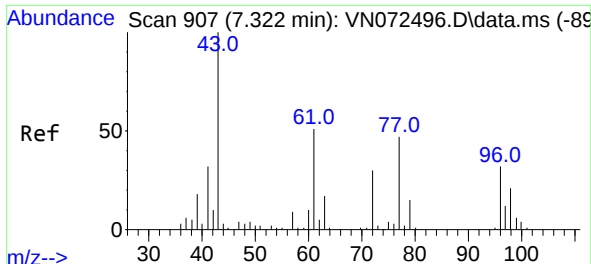
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#30
2-Butanone
Concen: 133.260 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 43 Resp: 159522
Ion Ratio Lower Upper
43 100
57 8.1 6.7 10.1
72 26.3 23.2 34.8





#31

2,2-Dichloropropane

Concen: 26.597 ug/l

RT: 7.322 min Scan# 907

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 77 Resp: 65190

Ion Ratio Lower Upper

77 100

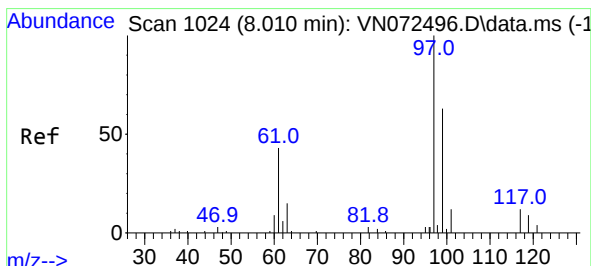
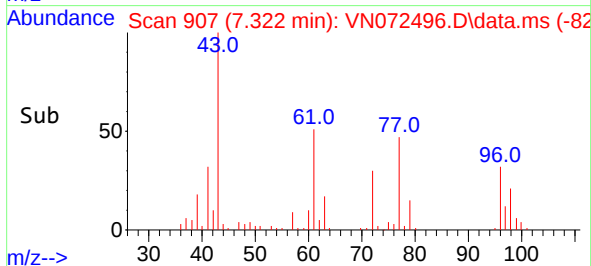
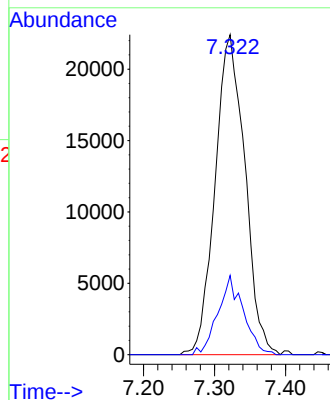
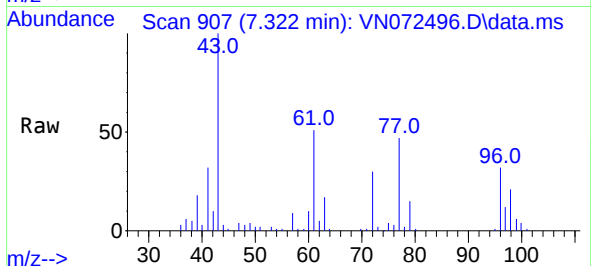
97 21.2 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#32

1,1,1-Trichloroethane

Concen: 29.043 ug/l

RT: 8.010 min Scan# 1024

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

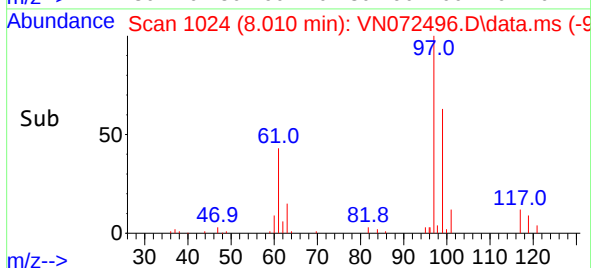
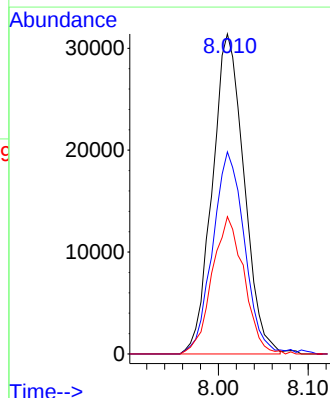
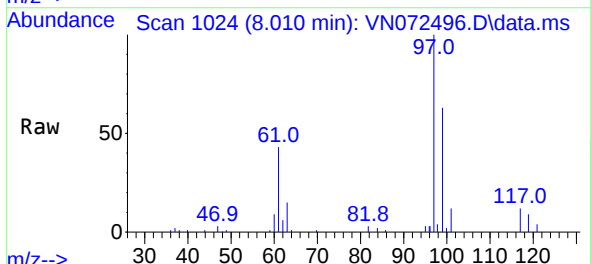
Tgt Ion: 97 Resp: 76869

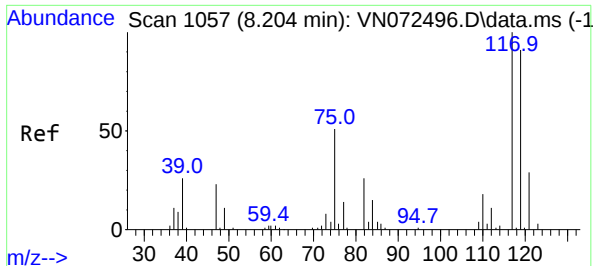
Ion Ratio Lower Upper

97 100

99 63.5 50.4 75.6

61 43.3 34.6 51.8





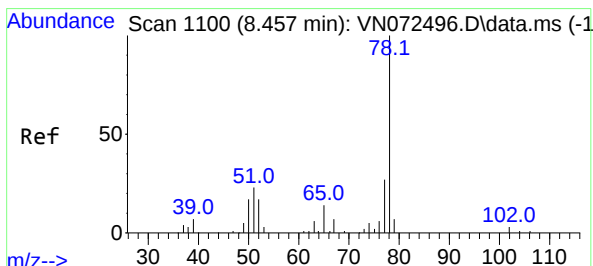
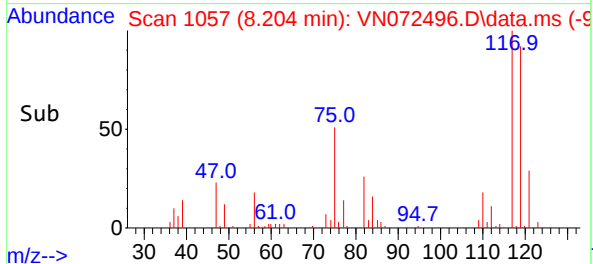
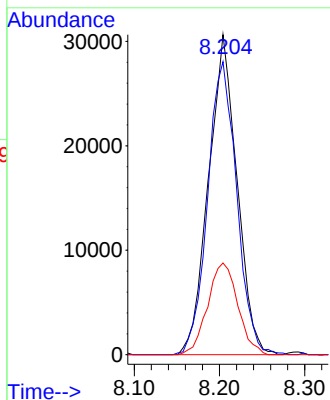
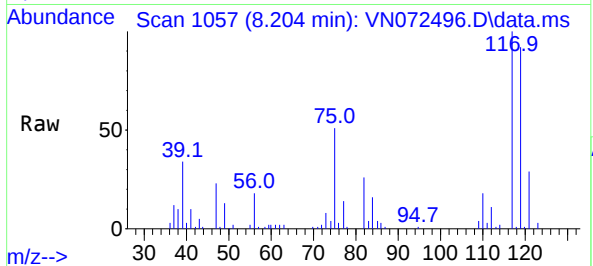
#33
Carbon Tetrachloride
Concen: 30.611 ug/l
RT: 8.204 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 71092
Ion Ratio Lower Upper
117 100
119 91.0 77.5 116.3
121 28.7 23.5 35.3

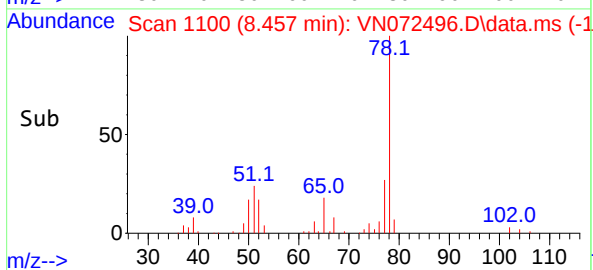
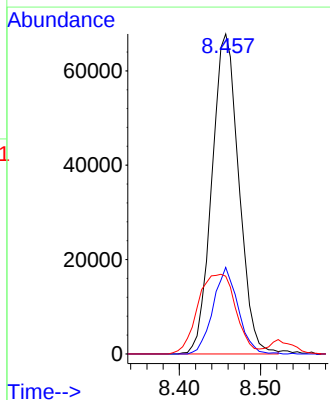
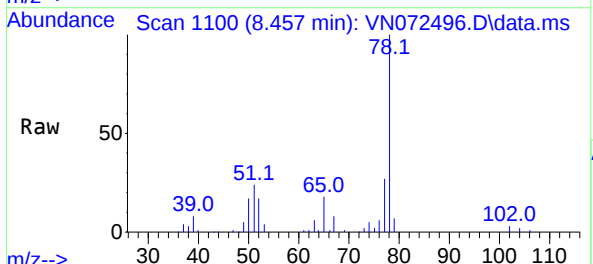
Manual Integrations
APPROVED

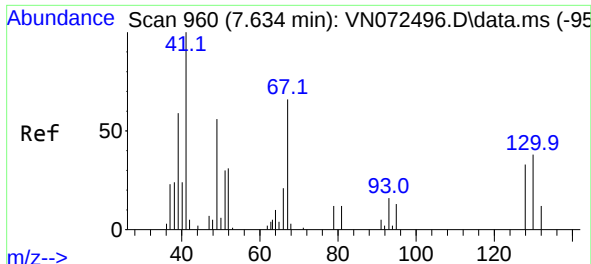
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#34
Benzene
Concen: 24.525 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

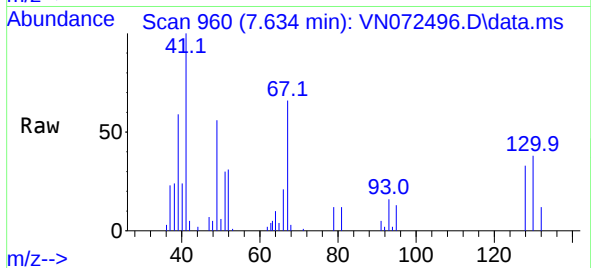
Tgt Ion: 78 Resp: 156326
Ion Ratio Lower Upper
78 100
77 27.0 19.1 28.7
51 23.3 16.0 24.0





#35
Methacrylonitrile
Concen: 27.501 ug/l
RT: 7.634 min Scan# 960
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

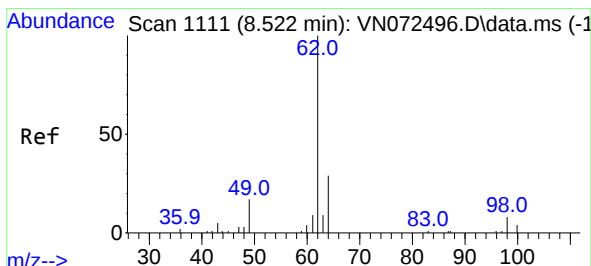
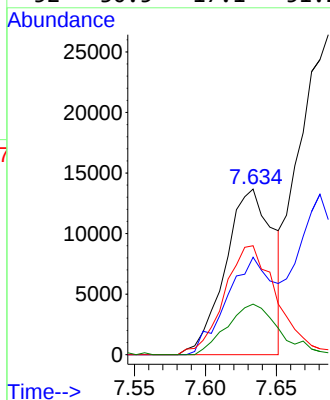
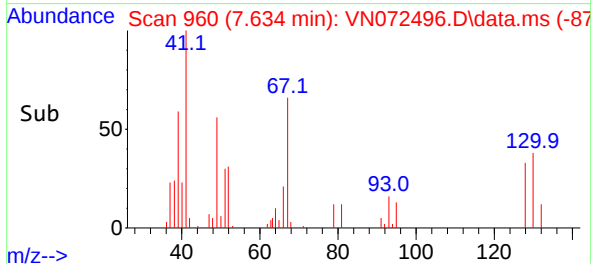
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 32110
Ion Ratio Lower Upper
41 100
39 57.3 28.0 83.9
67 65.8 37.7 113.1
52 30.5 17.1 51.2

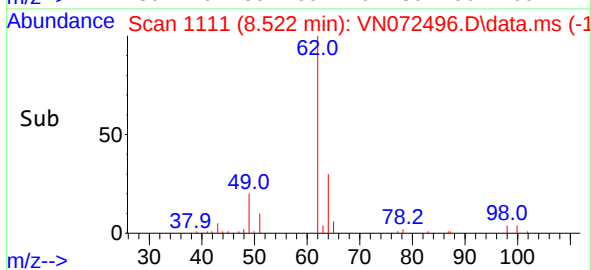
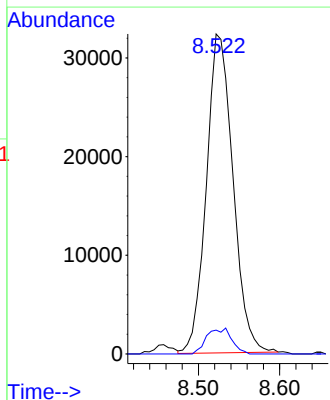
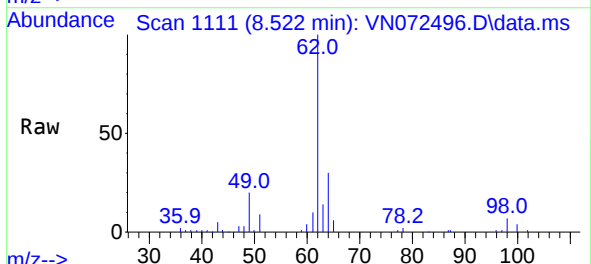
Manual Integrations
APPROVED

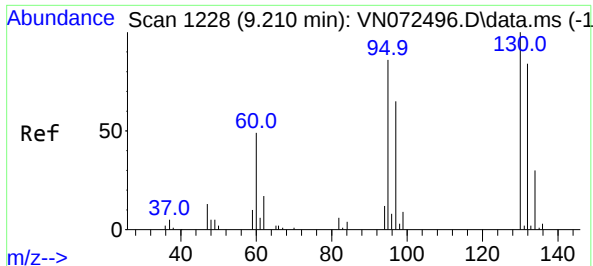
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#36
1,2-Dichloroethane
Concen: 29.461 ug/l
RT: 8.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

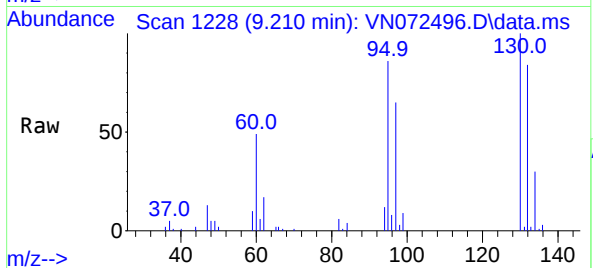
Tgt Ion: 62 Resp: 73662
Ion Ratio Lower Upper
62 100
98 4.8 6.6 10.0#





#37
Trichloroethene
Concen: 25.060 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

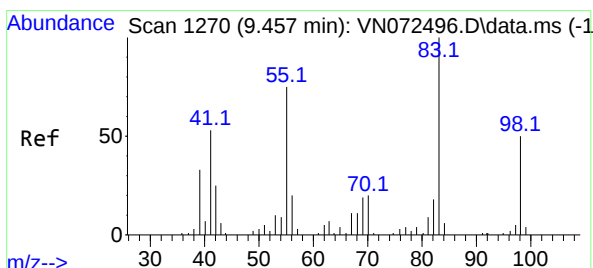
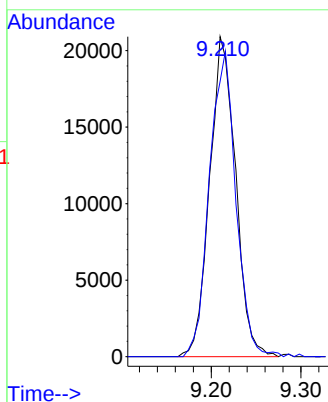
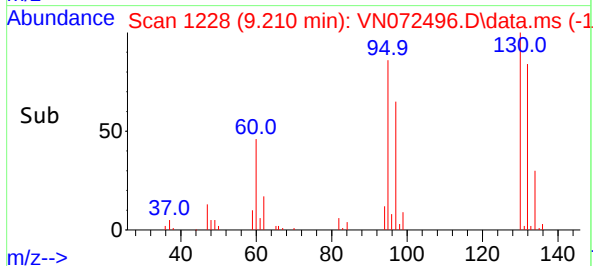
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



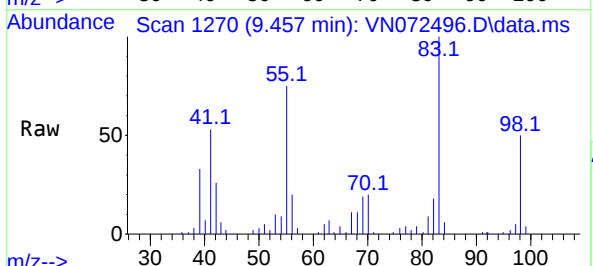
Tgt Ion:130 Resp: 42019
Ion Ratio Lower Upper
130 100
95 86.0 76.6 115.0

Manual Integrations
APPROVED

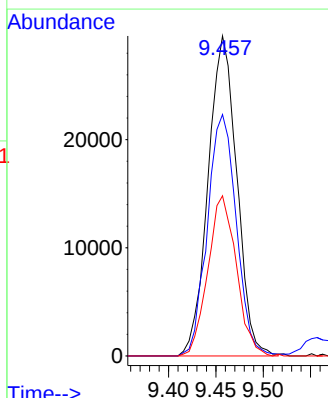
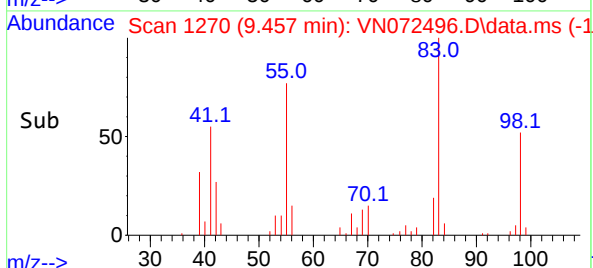
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

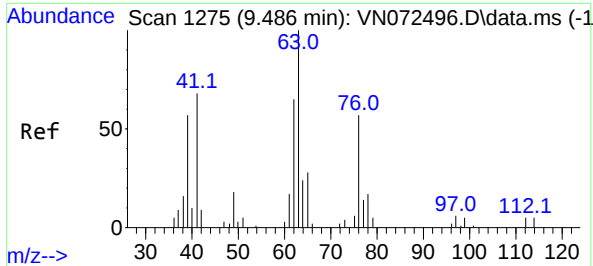


#38
Methylcyclohexane
Concen: 24.334 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion: 83 Resp: 62463
Ion Ratio Lower Upper
83 100
55 76.2 35.1 105.3
98 49.6 23.4 70.2





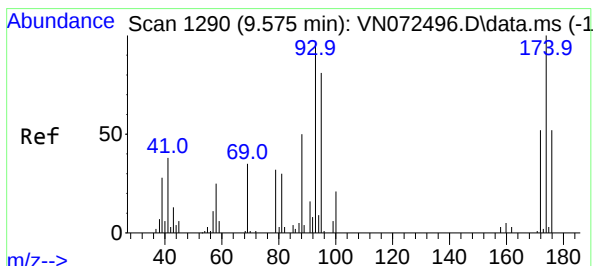
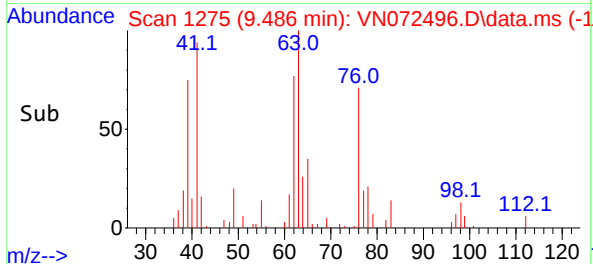
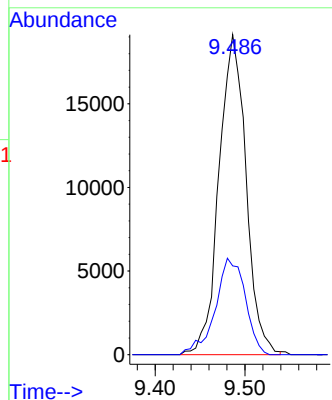
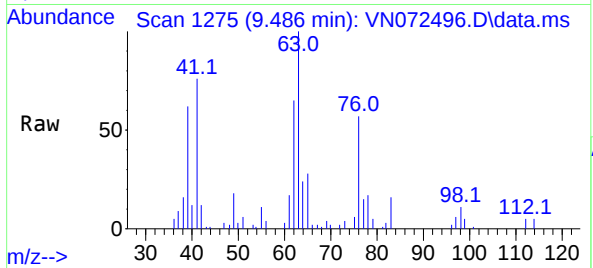
#39
1,2-Dichloropropane
Concen: 24.890 ug/l
RT: 9.486 min Scan# 1275
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 4005
Ion Ratio Lower Upper
63 100
65 27.8 24.2 36.4

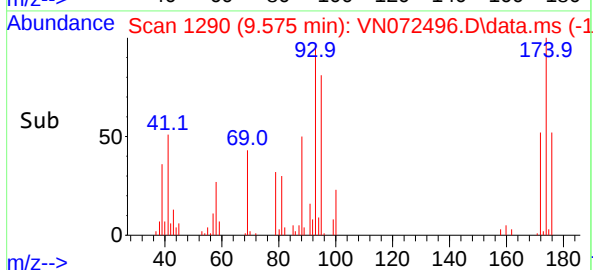
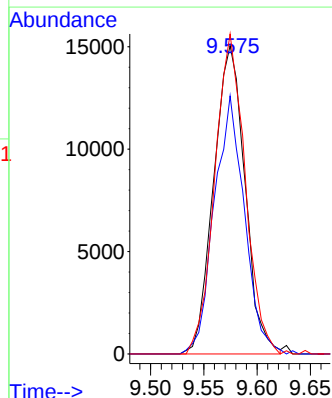
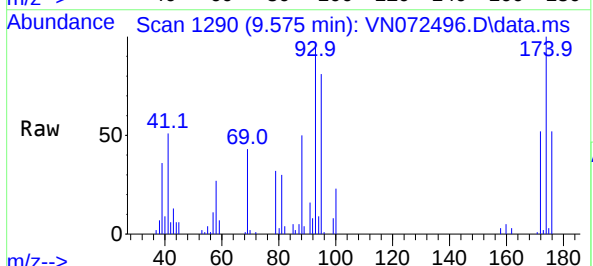
Manual Integrations
APPROVED

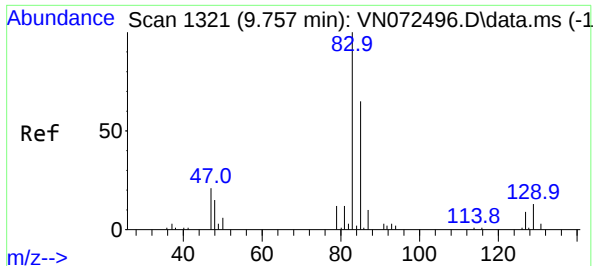
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#40
Dibromomethane
Concen: 26.917 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

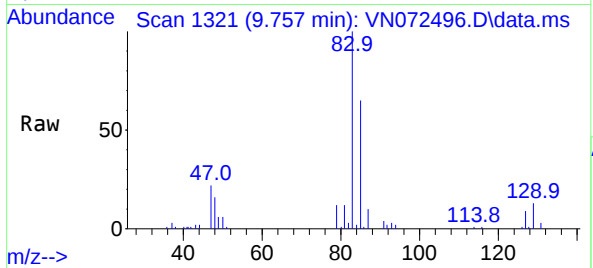
Tgt Ion: 93 Resp: 30662
Ion Ratio Lower Upper
93 100
95 81.0 0.0 168.8
174 100.9 0.0 173.6





#41
Bromodichloromethane
Concen: 27.248 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

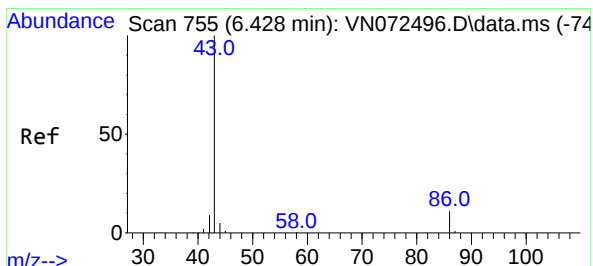
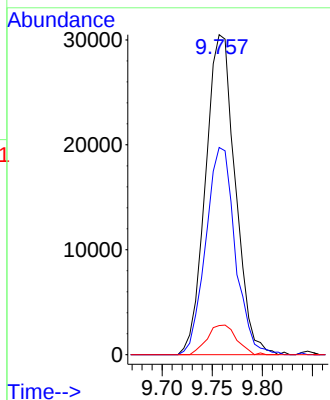
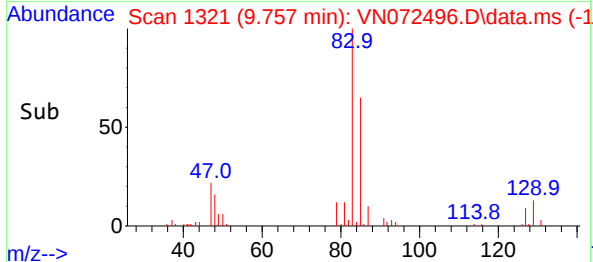
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



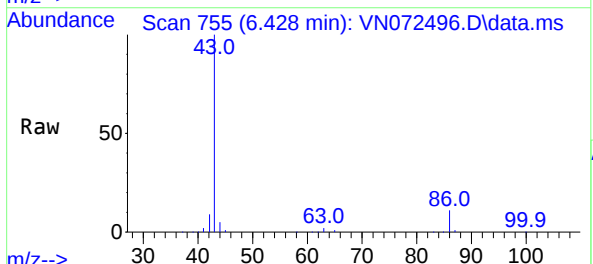
Tgt Ion: 83 Resp: 6280
Ion Ratio Lower Upper
83 100
85 64.8 54.1 81.1
127 10.3 7.6 11.4

Manual Integrations
APPROVED

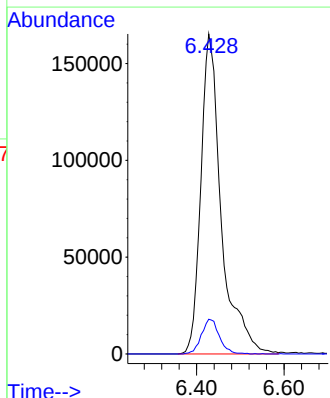
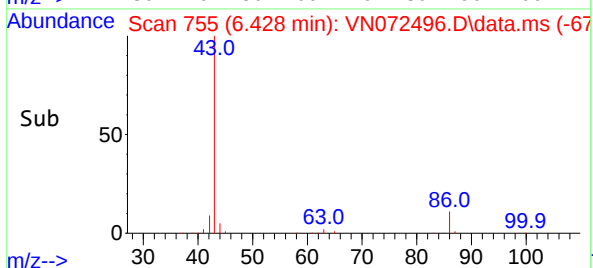
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

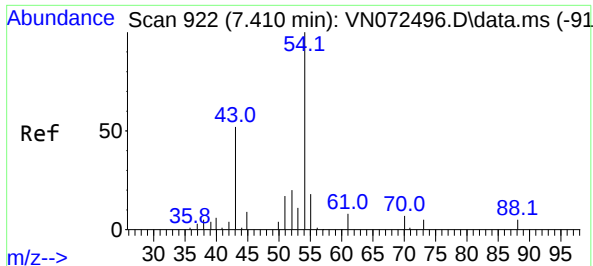


#42
Vinyl Acetate
Concen: 131.832 ug/l
RT: 6.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



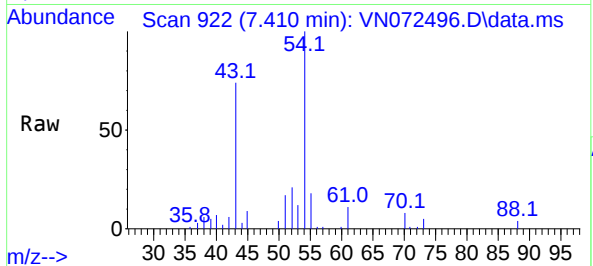
Tgt Ion: 43 Resp: 538097
Ion Ratio Lower Upper
43 100
86 9.5 7.5 11.3





#43
Ethyl Acetate
Concen: 26.103 ug/l
RT: 7.410 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

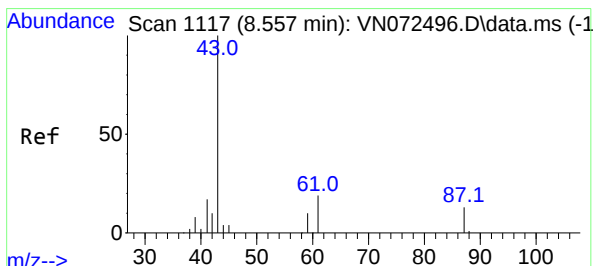
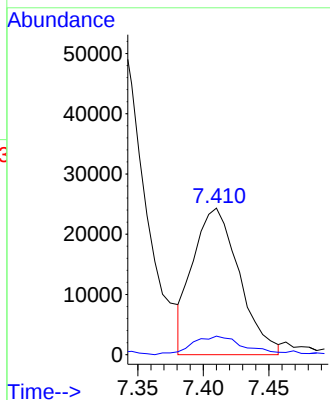
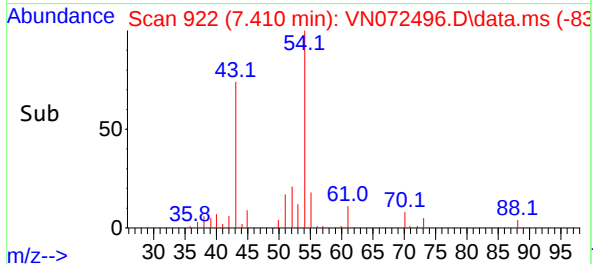
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 5957
Ion Ratio Lower Upper
43 100
45 14.1 10.6 16.0

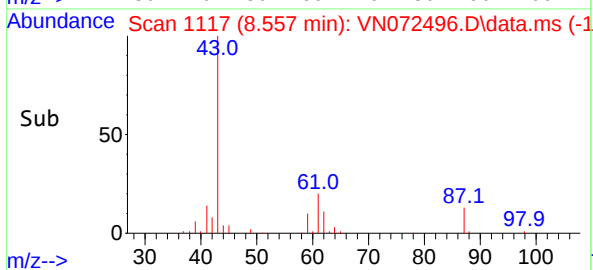
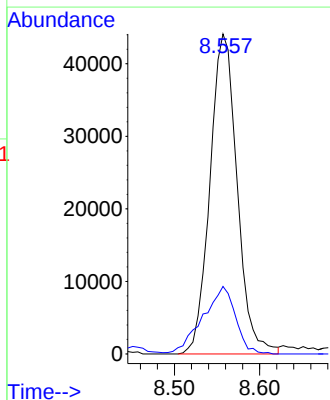
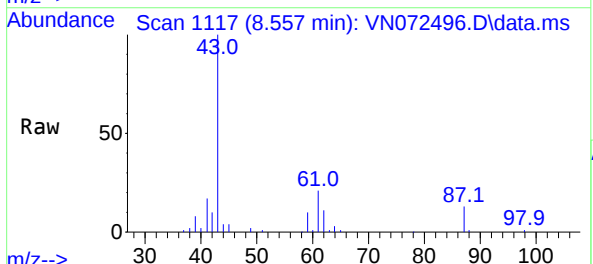
Manual Integrations
APPROVED

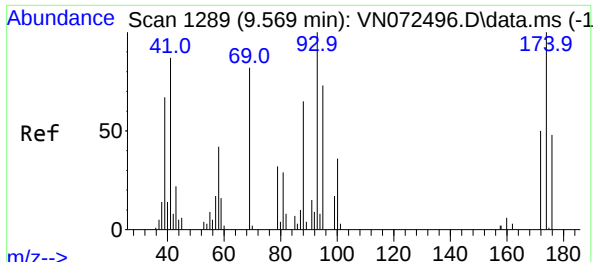
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#44
Isopropyl Acetate
Concen: 26.085 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

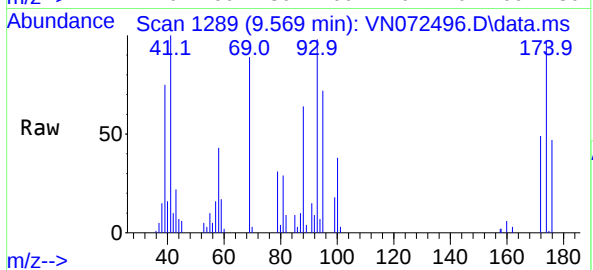
Tgt Ion: 43 Resp: 97869
Ion Ratio Lower Upper
43 100
61 25.5 20.1 30.1





#45
1,4-Dioxane
Concen: 520.771 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

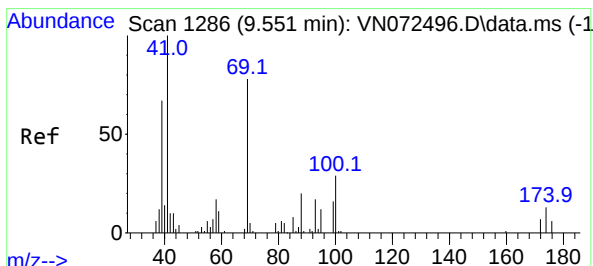
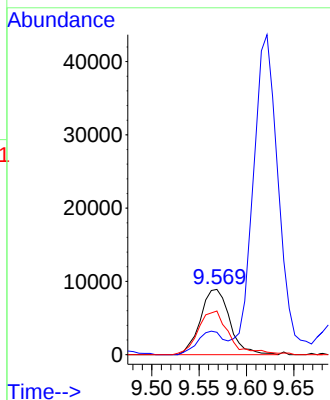
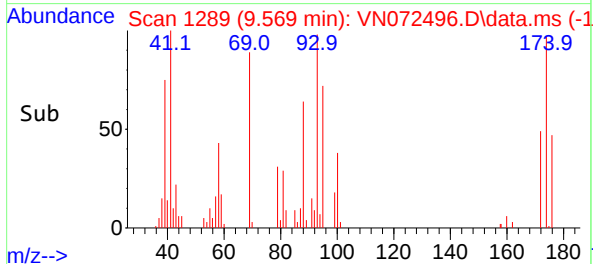
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



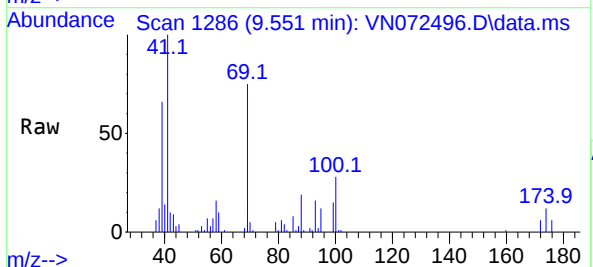
Tgt Ion: 88 Resp: 1918
Ion Ratio Lower Upper
88 100
43 32.8 25.0 37.6
58 67.9 49.4 74.2

Manual Integrations
APPROVED

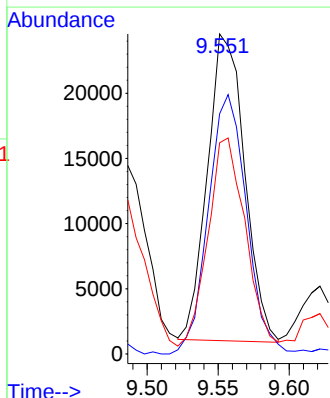
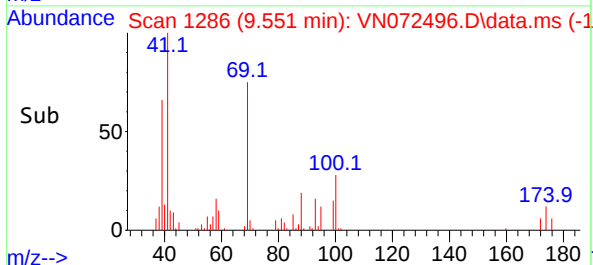
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

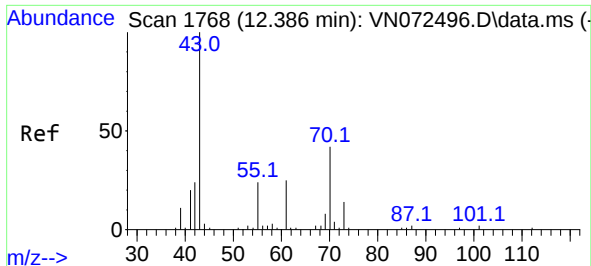


#46
Methyl methacrylate
Concen: 26.084 ug/l
RT: 9.551 min Scan# 1286
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion: 41 Resp: 42870
Ion Ratio Lower Upper
41 100
69 77.3 44.4 133.2
39 66.6 39.9 119.6





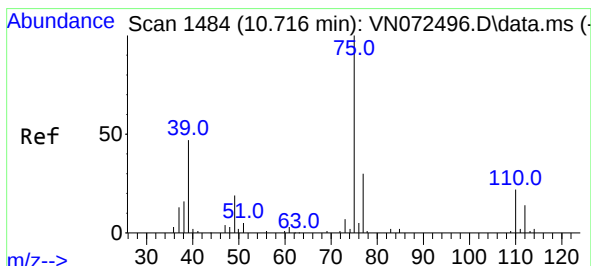
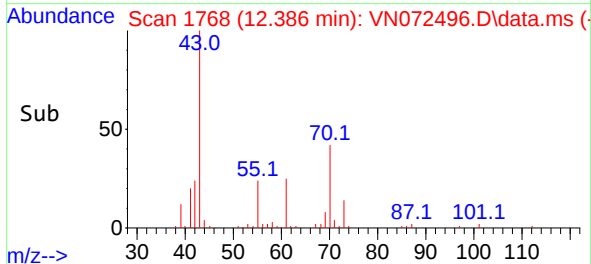
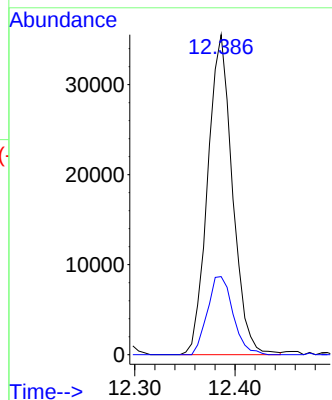
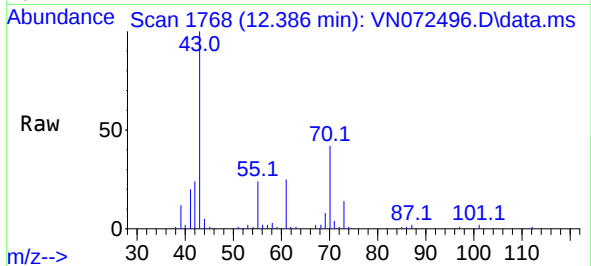
#47
n-amy1 Acetate
Concen: 25.025 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 61164
Ion Ratio Lower Upper
43 100
55 25.2 19.0 28.6

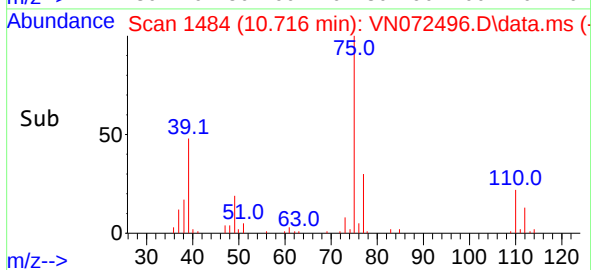
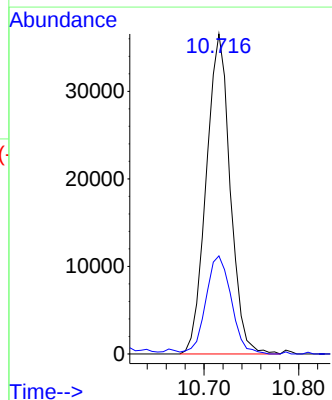
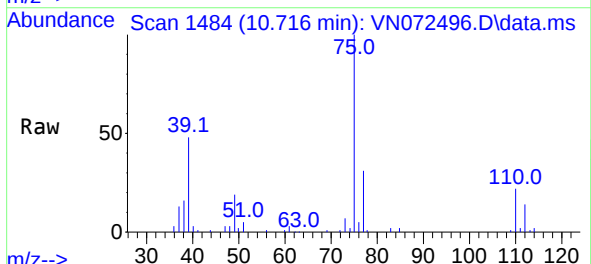
Manual Integrations
APPROVED

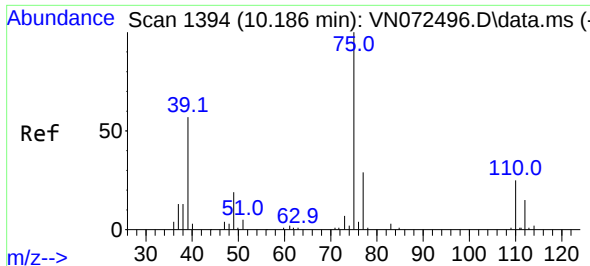
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#48
t-1,3-Dichloropropene
Concen: 26.052 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

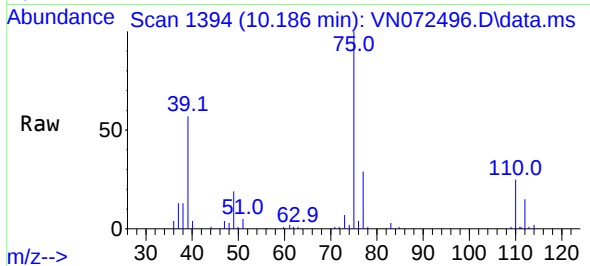
Tgt Ion: 75 Resp: 64251
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 25.357 ug/l
RT: 10.186 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

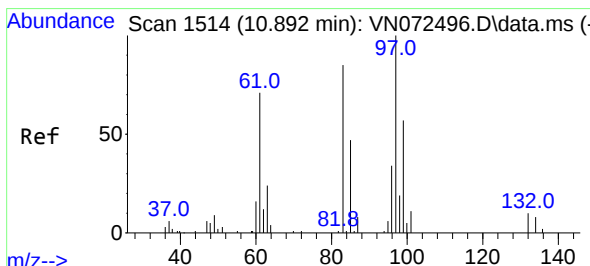
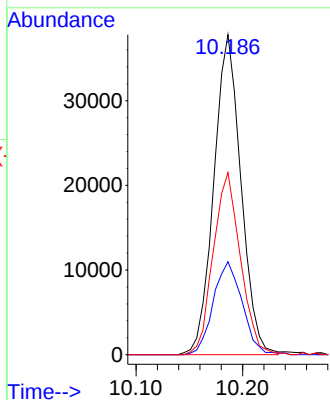
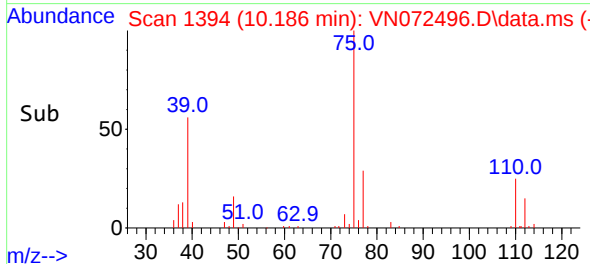
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 66835
Ion Ratio Lower Upper
75 100
77 29.0 25.3 37.9
39 56.9 46.2 69.4

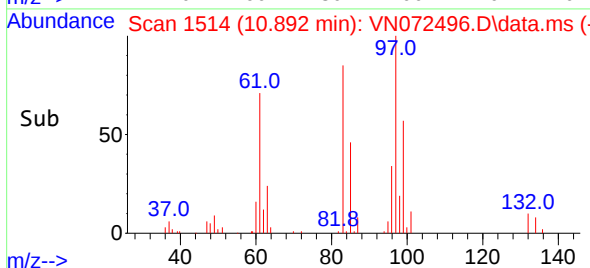
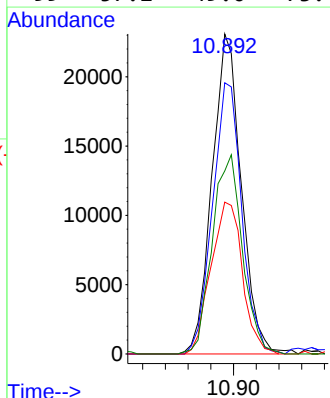
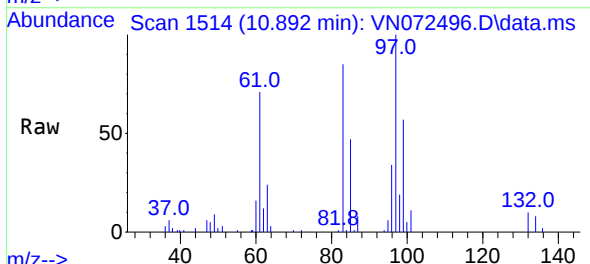
Manual Integrations
APPROVED

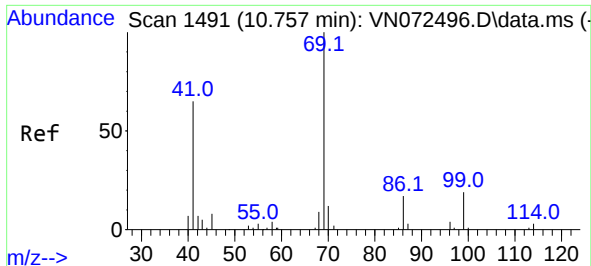
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#50
1,1,2-Trichloroethane
Concen: 25.076 ug/l
RT: 10.892 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

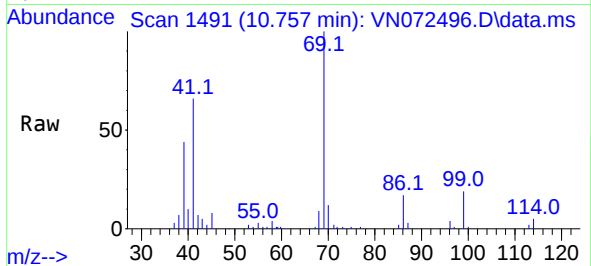
Tgt Ion: 97 Resp: 40997
Ion Ratio Lower Upper
97 100
83 84.8 67.2 100.8
85 47.5 43.0 64.4
99 57.2 49.0 73.4





#51
Ethyl methacrylate
Concen: 24.575 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

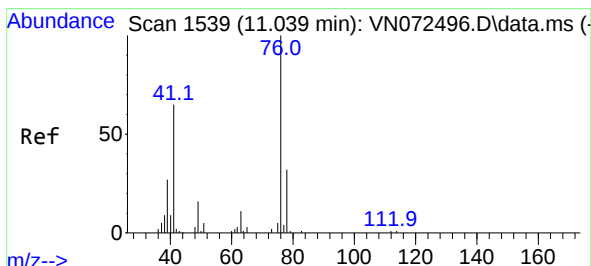
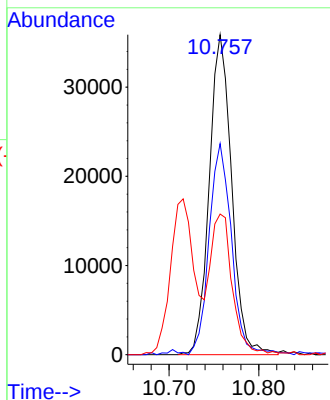
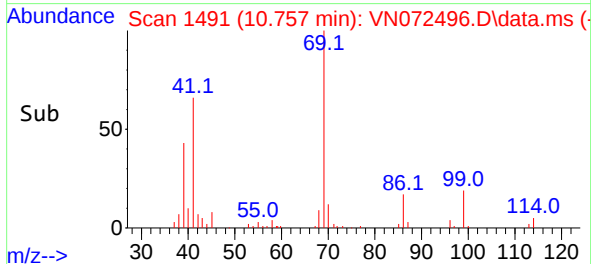
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 69 Resp: 6224
Ion Ratio Lower Upper
69 100
41 65.4 33.0 98.9
39 43.4 25.4 76.4

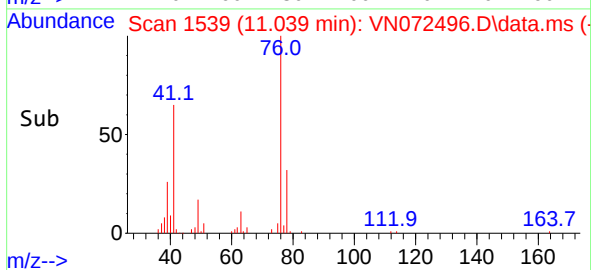
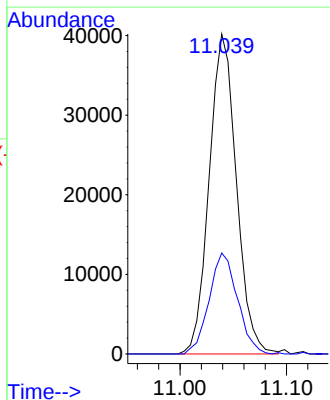
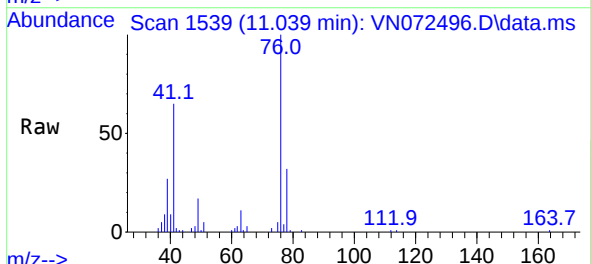
Manual Integrations
APPROVED

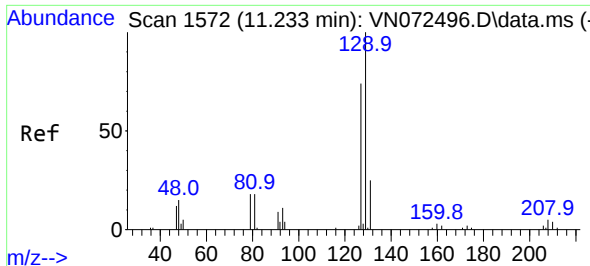
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#52
1,3-Dichloropropane
Concen: 25.377 ug/l
RT: 11.039 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 76 Resp: 71363
Ion Ratio Lower Upper
76 100
78 32.9 0.0 65.4





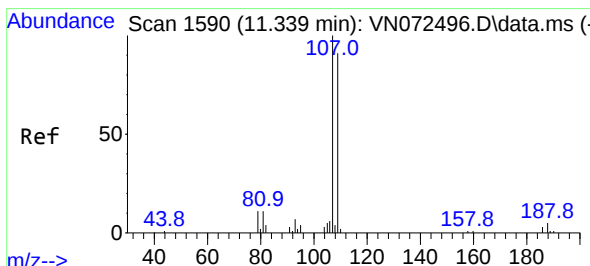
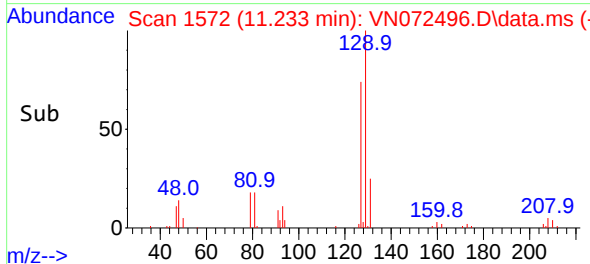
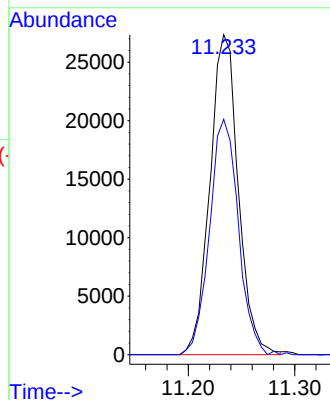
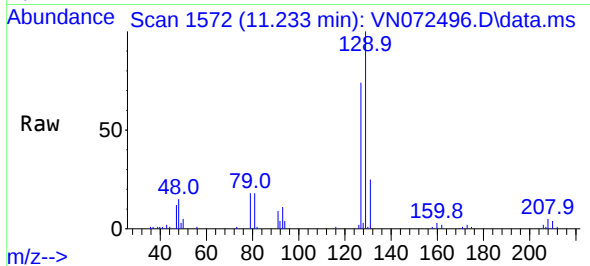
#53
Dibromochloromethane
Concen: 27.928 ug/l
RT: 11.233 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 5064
Ion Ratio Lower Upper
129 100
127 74.4 39.0 117.0

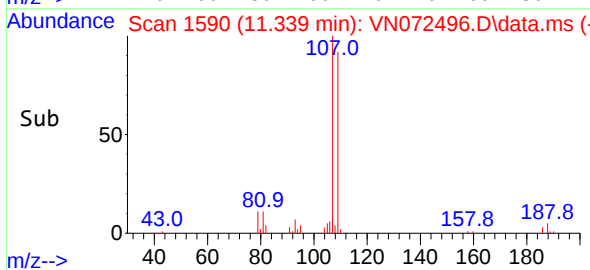
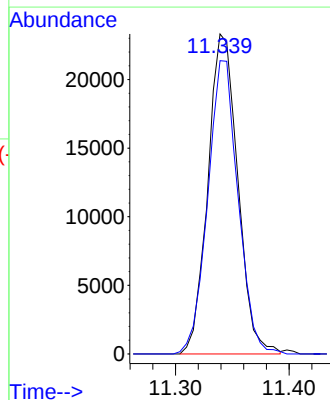
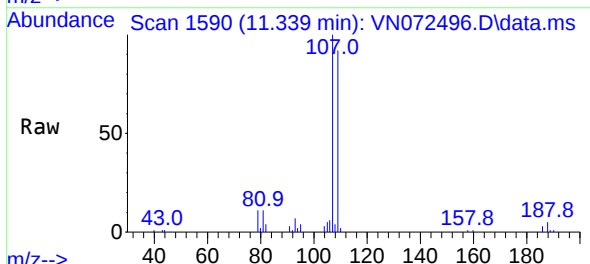
Manual Integrations
APPROVED

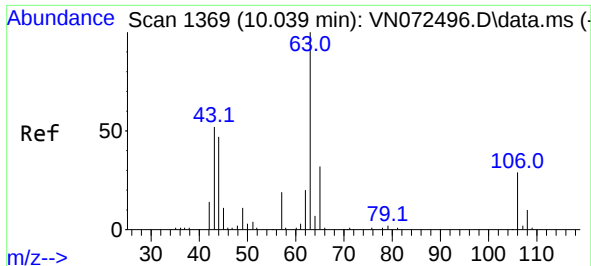
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#54
1,2-Dibromoethane
Concen: 25.153 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:107 Resp: 42635
Ion Ratio Lower Upper
107 100
109 92.8 72.8 109.2





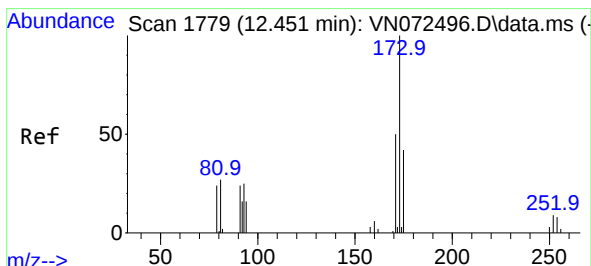
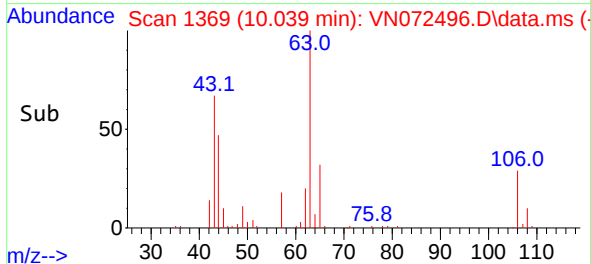
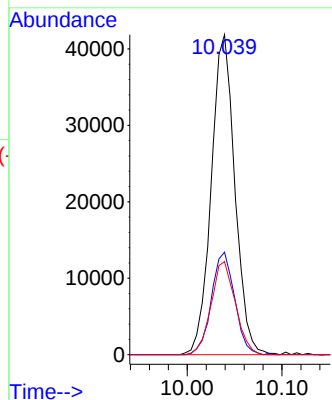
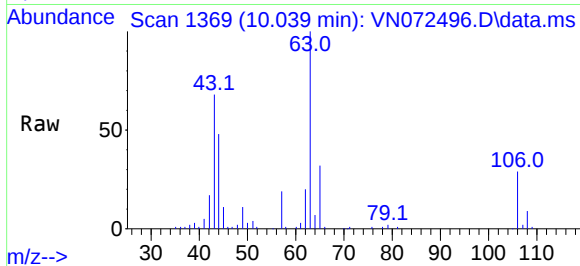
#55
2-Chloroethyl vinyl ether
Concen: 113.361 ug/l
RT: 10.039 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 7260
Ion Ratio Lower Upper
63 100
65 31.4 25.4 38.0
106 29.8 23.2 34.8

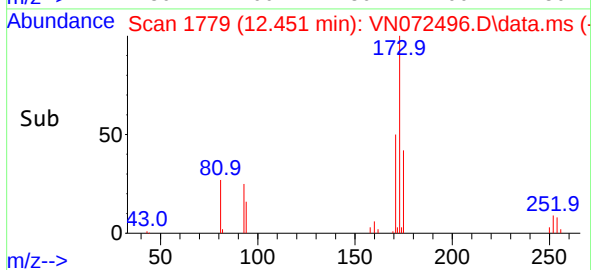
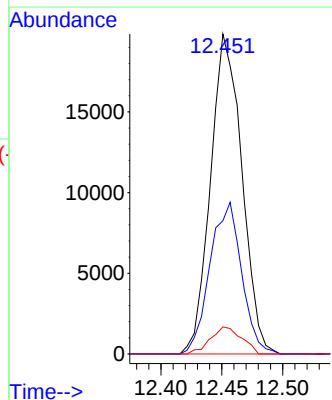
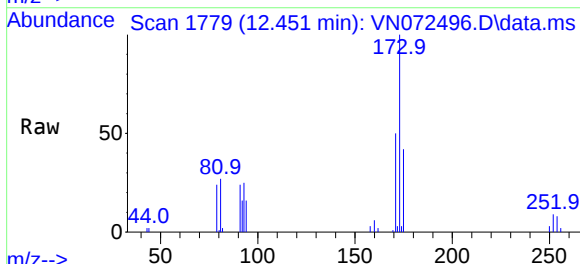
Manual Integrations
APPROVED

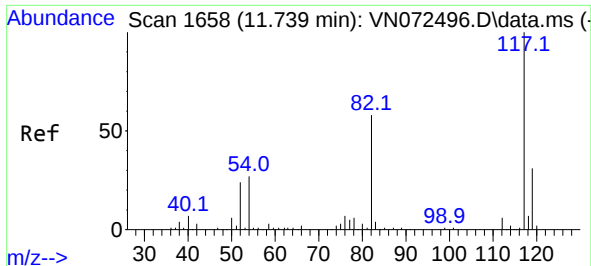
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#56
Bromoform
Concen: 26.203 ug/l
RT: 12.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:173 Resp: 35536
Ion Ratio Lower Upper
173 100
175 47.8 38.6 58.0
254 8.4 0.0 0.0#





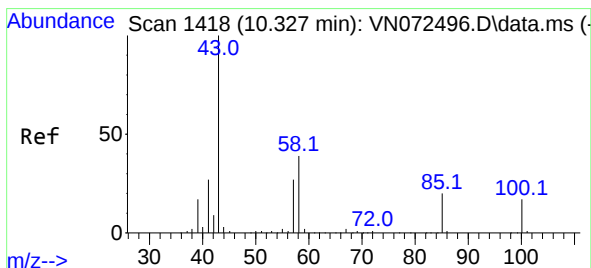
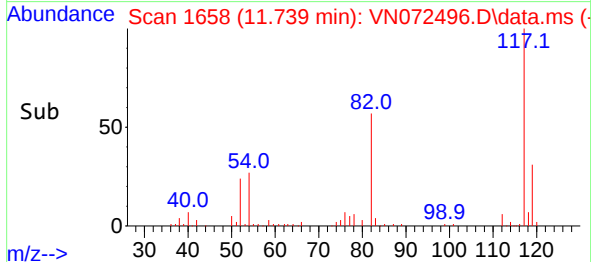
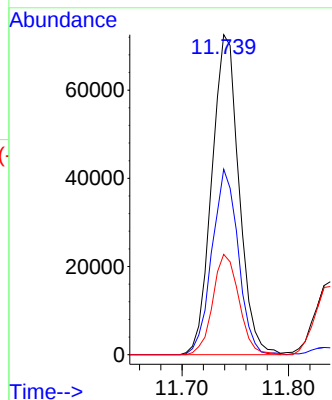
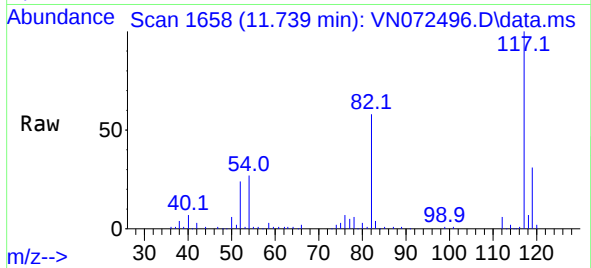
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 128425
Ion Ratio Lower Upper
117 100
82 55.9 43.6 65.4
119 30.2 25.8 38.6

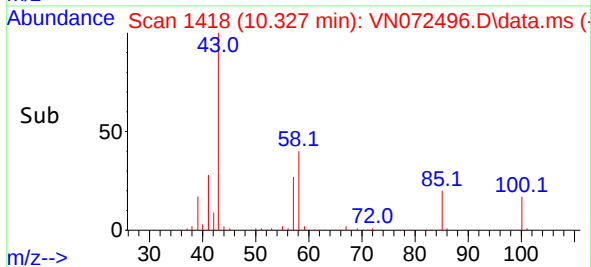
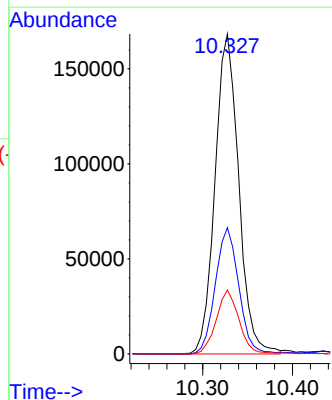
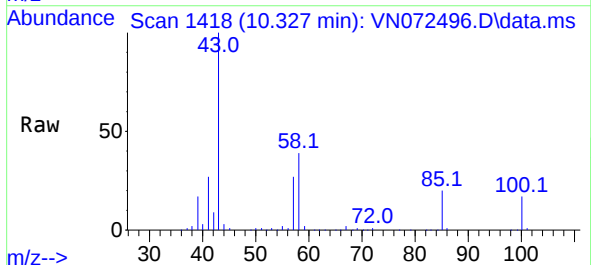
Manual Integrations
APPROVED

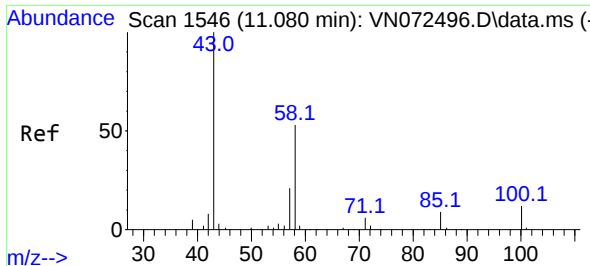
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#58
4-Methyl-2-Pentanone
Concen: 132.641 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 43 Resp: 308743
Ion Ratio Lower Upper
43 100
58 38.8 30.0 45.0
85 19.3 15.0 22.6





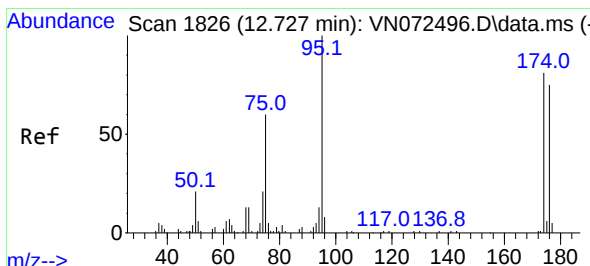
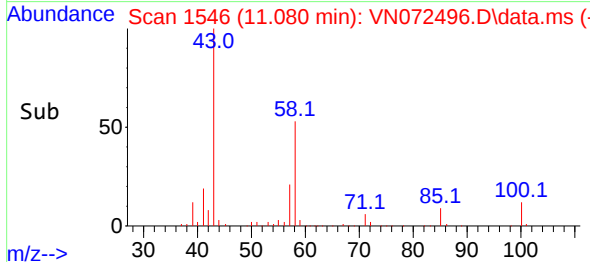
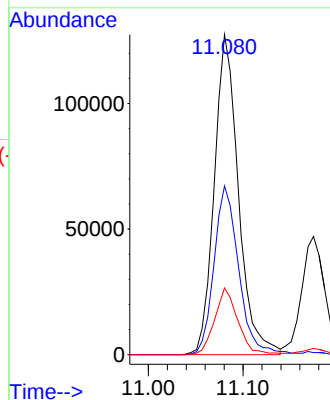
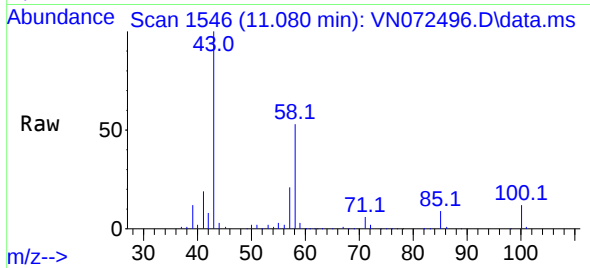
#59
2-Hexanone
Concen: 132.489 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 22592
Ion Ratio Lower Upper
43 100
58 53.8 42.2 63.2
57 20.2 15.0 22.4

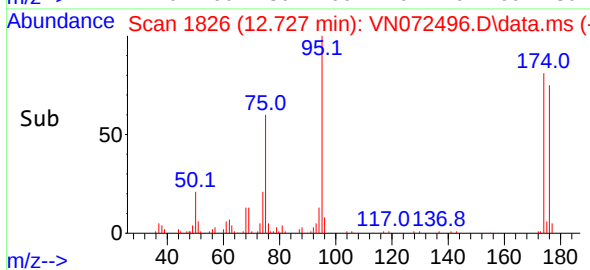
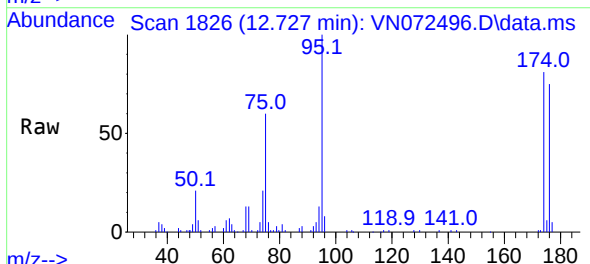
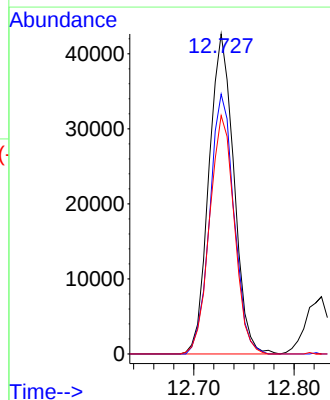
Manual Integrations
APPROVED

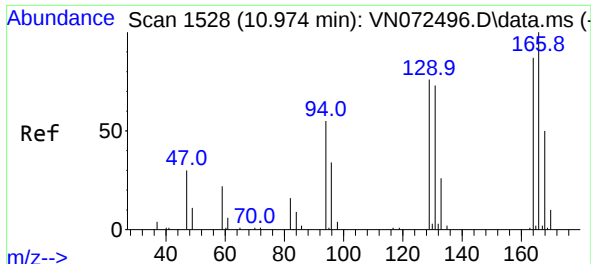
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#60
4-Bromofluorobenzene
Concen: 34.674 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

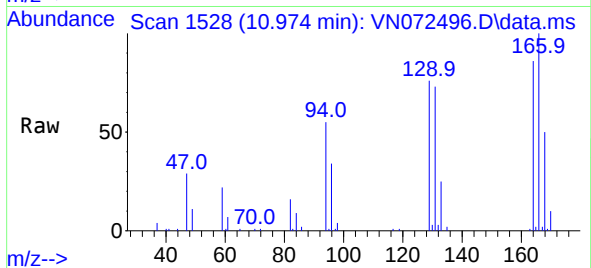
Tgt Ion: 95 Resp: 73599
Ion Ratio Lower Upper
95 100
174 79.3 62.9 94.3
176 73.9 61.0 91.4





#61
Tetrachloroethene
Concen: 26.516 ug/l
RT: 10.974 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

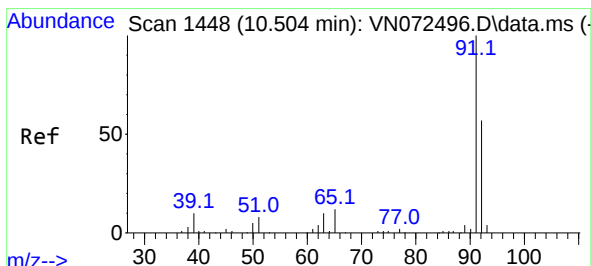
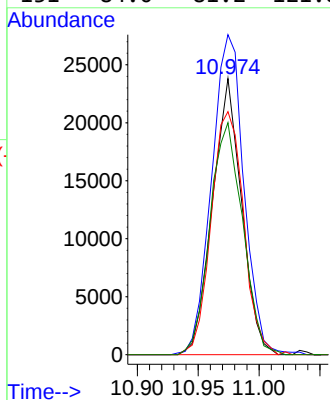
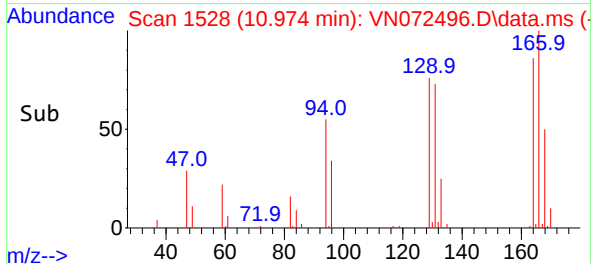
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



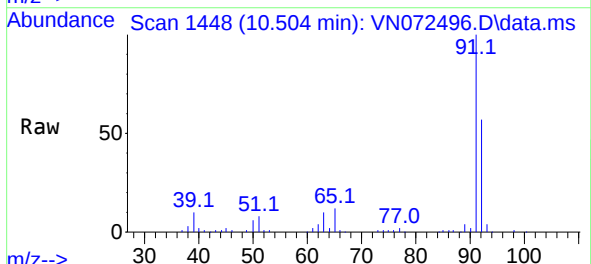
Tgt Ion:164 Resp: 39730
Ion Ratio Lower Upper
164 100
166 115.2 105.8 158.8
129 88.0 82.5 123.7
131 84.0 81.2 121.8

Manual Integrations
APPROVED

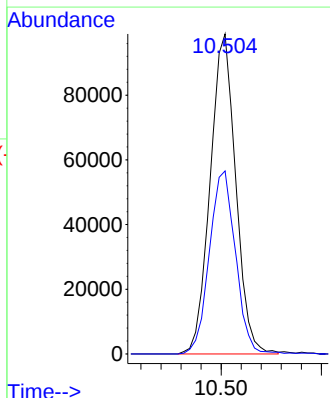
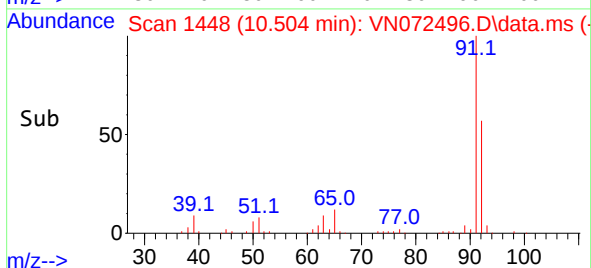
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

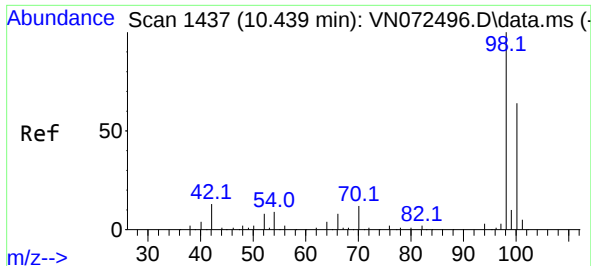


#62
Toluene
Concen: 24.590 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion: 91 Resp: 175406
Ion Ratio Lower Upper
91 100
92 58.4 44.6 67.0





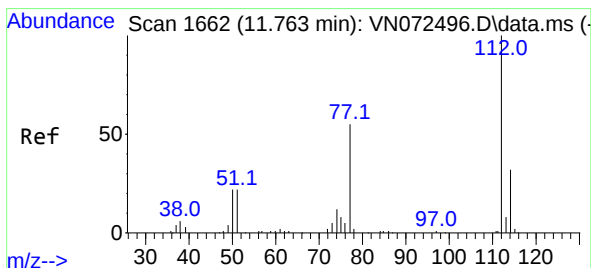
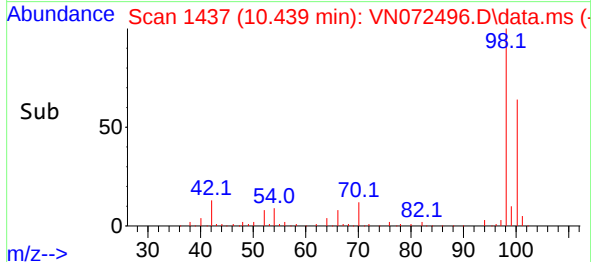
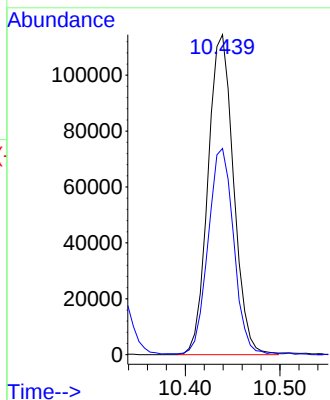
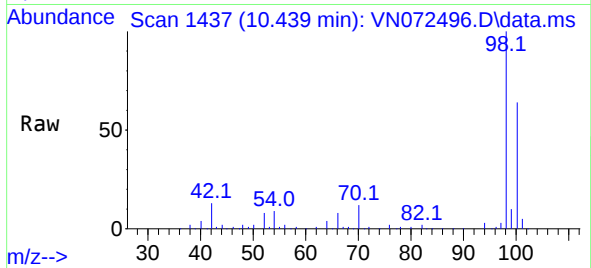
#63
Toluene-d8
Concen: 34.107 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 98 Resp: 21505
Ion Ratio Lower Upper
98 100
100 64.7 50.6 76.0

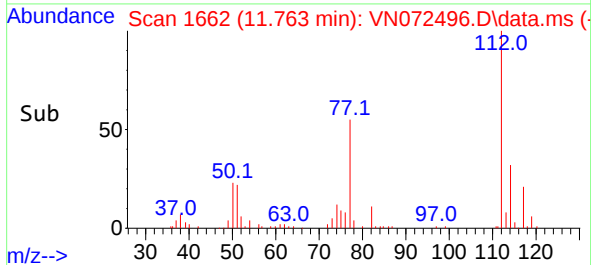
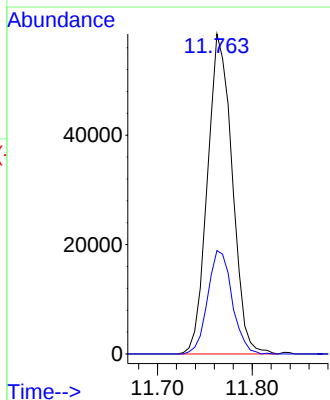
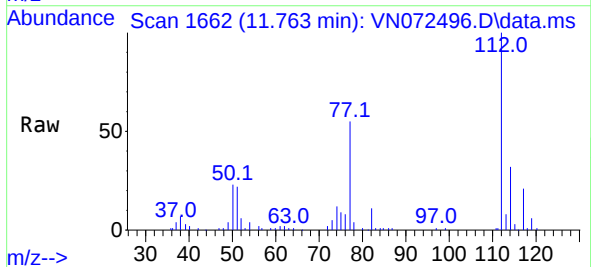
Manual Integrations
APPROVED

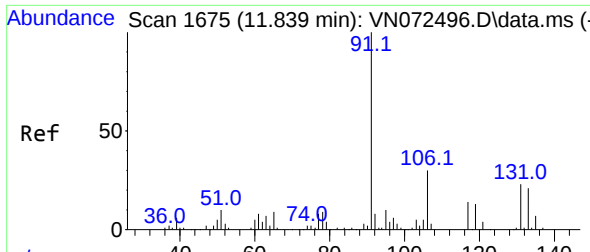
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#64
Chlorobenzene
Concen: 24.078 ug/l
RT: 11.763 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

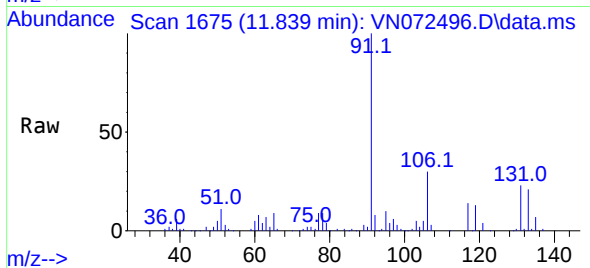
Tgt Ion:112 Resp: 106083
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 26.951 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

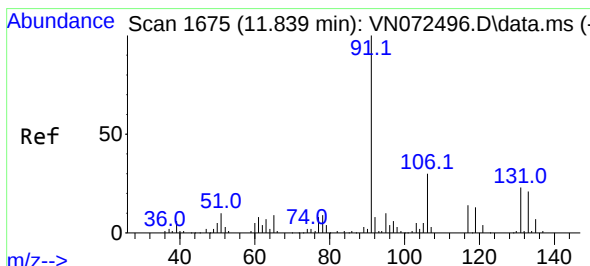
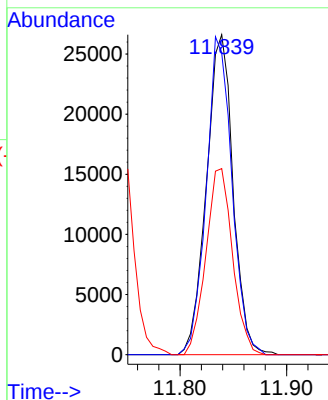
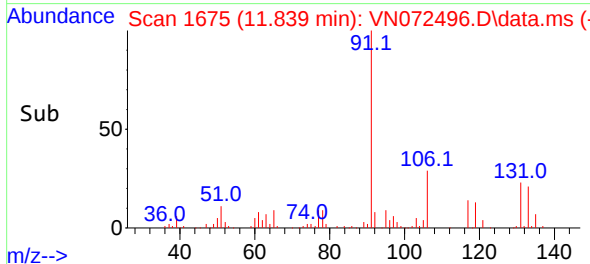
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:131 Resp: 4611
Ion Ratio Lower Upper
131 100
133 95.9 0.0 191.2
119 58.3 0.0 128.8

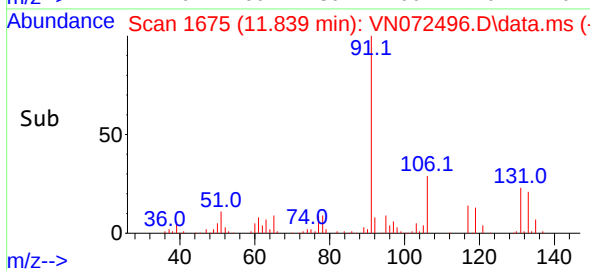
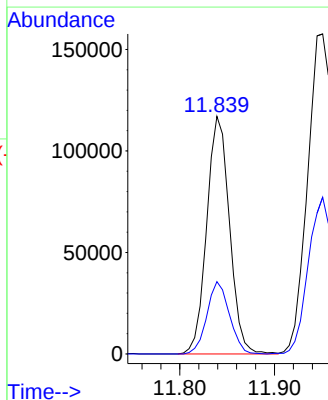
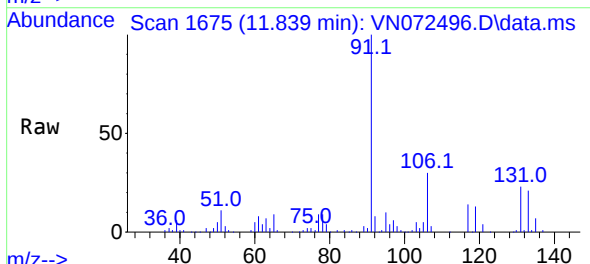
Manual Integrations
APPROVED

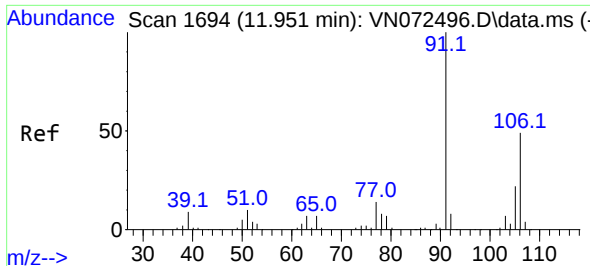
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#66
Ethyl Benzene
Concen: 24.867 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 195440
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0





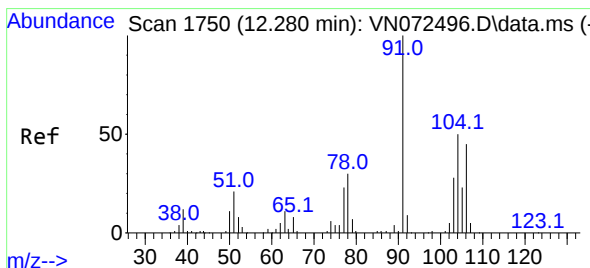
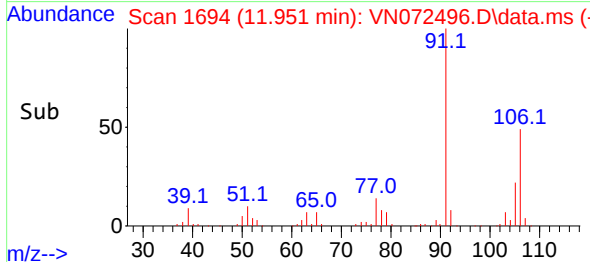
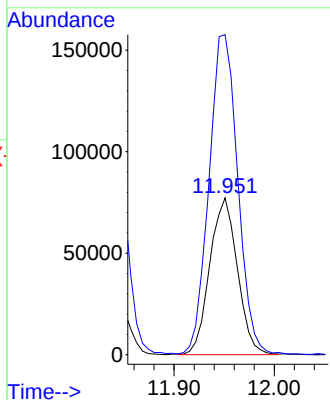
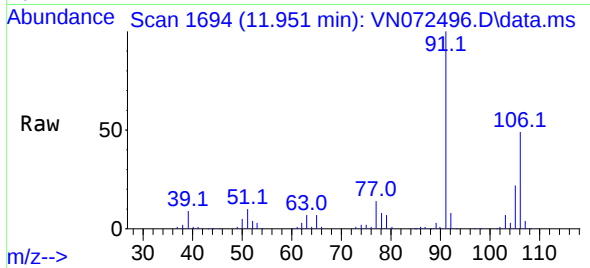
#67
m/p-Xylenes
Concen: 48.993 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 14790
Ion Ratio Lower Upper
106 100
91 213.5 162.9 244.3

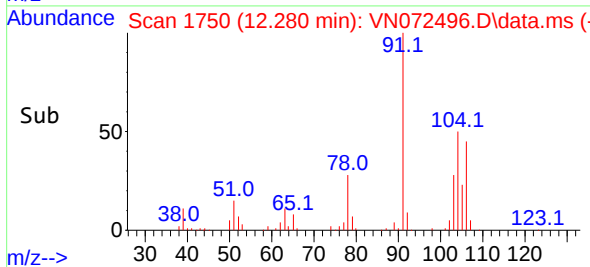
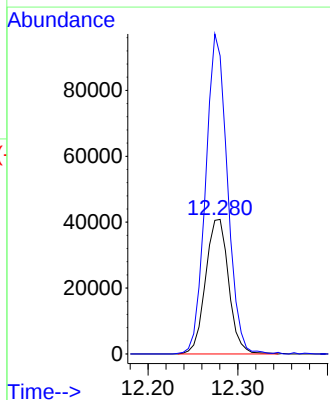
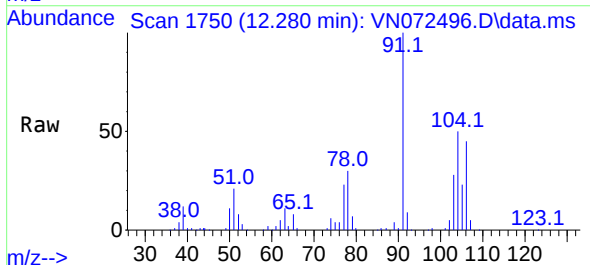
Manual Integrations
APPROVED

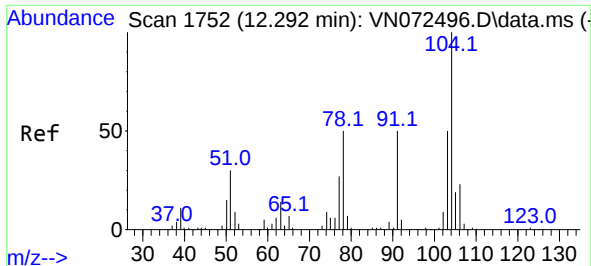
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#68
o-Xylene
Concen: 24.293 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:106 Resp: 73117
Ion Ratio Lower Upper
106 100
91 222.9 107.7 323.1





#69

Styrene

Concen: 24.093 ug/l

RT: 12.292 min Scan# 114150

Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

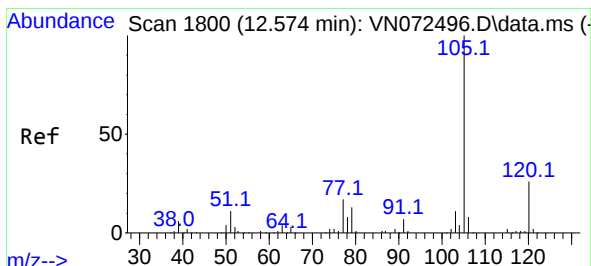
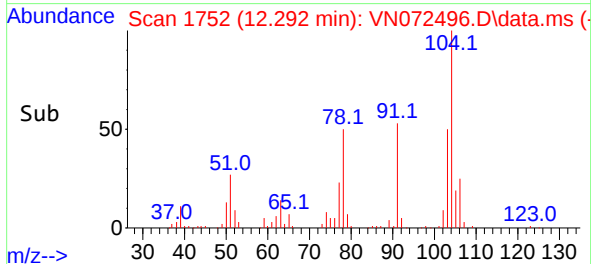
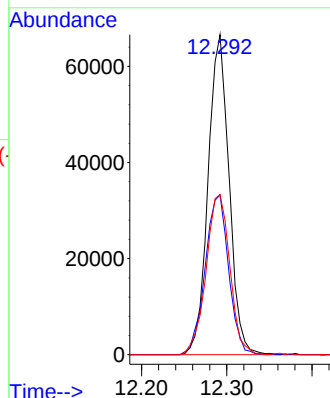
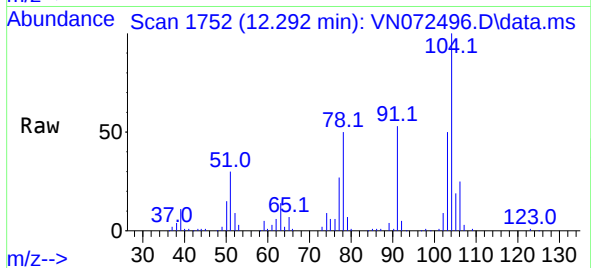
Tgt Ion:104 Resp: 114150
 Ion Ratio Lower Upper
 104 100
 78 55.6 40.7 61.1
 103 56.6 45.8 68.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2022

Supervised By :Mahesh Dadoda 05/17/2022



#70

Isopropylbenzene

Concen: 25.253 ug/l

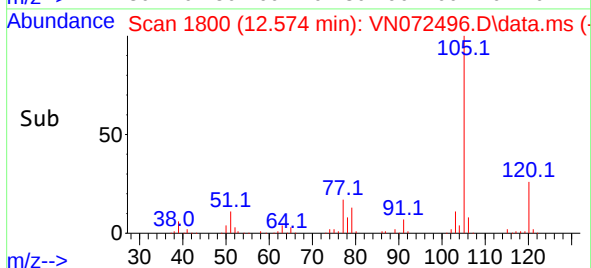
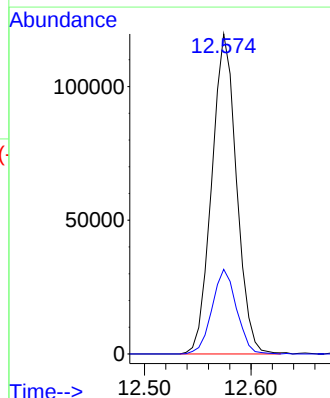
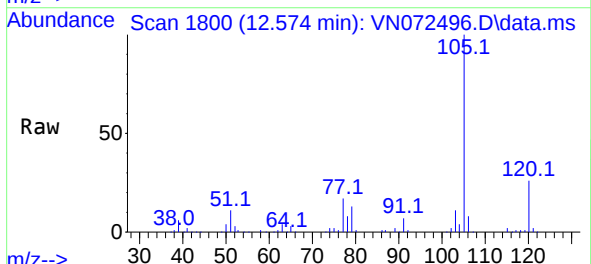
RT: 12.574 min Scan# 1800

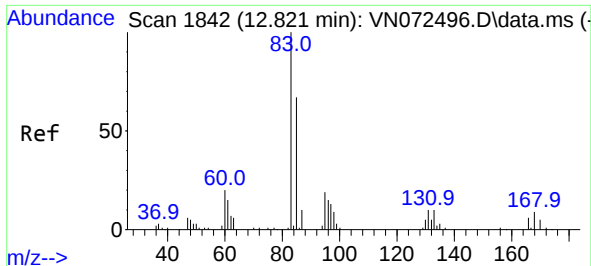
Delta R.T. 0.000 min

Lab File: VN072496.D

Acq: 16 May 2022 12:40

Tgt Ion:105 Resp: 193306
 Ion Ratio Lower Upper
 105 100
 120 26.1 18.3 34.1





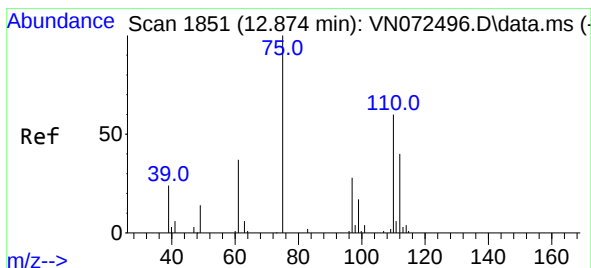
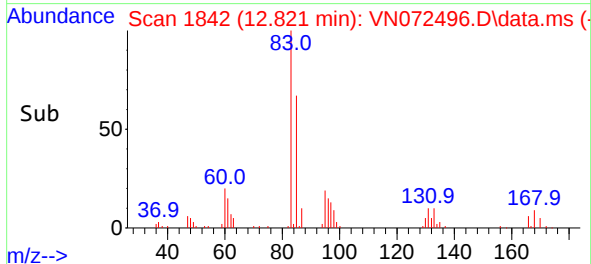
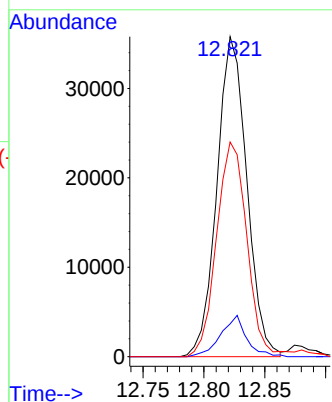
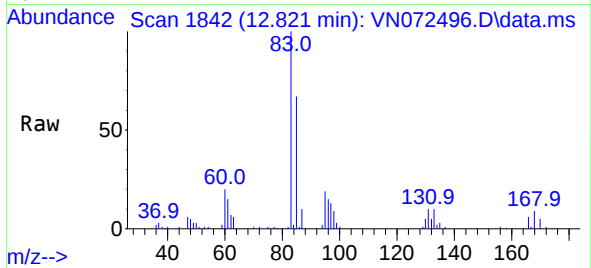
#71
1,1,2,2-Tetrachloroethane
Concen: 24.923 ug/l
RT: 12.821 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 61133
Ion Ratio Lower Upper
83 100
131 11.2 5.1 15.3
85 67.3 33.1 99.2

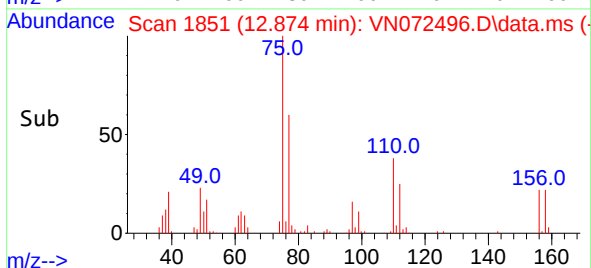
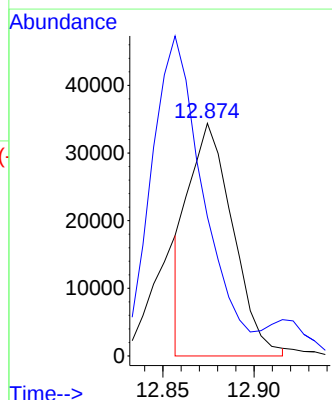
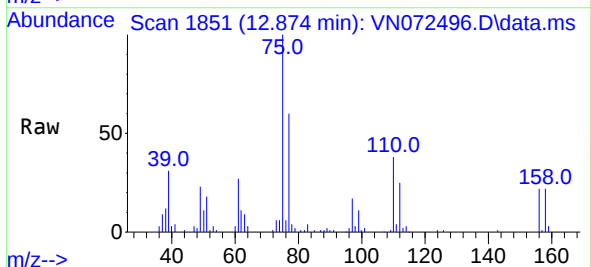
Manual Integrations
APPROVED

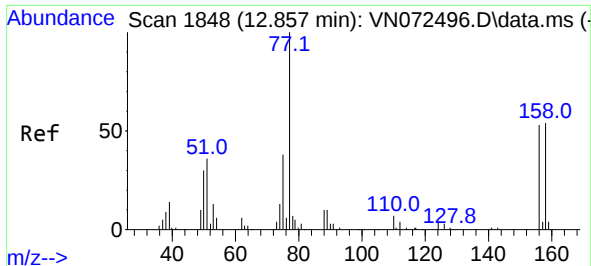
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#72
1,2,3-Trichloropropane
Concen: 26.833 ug/l m
RT: 12.874 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

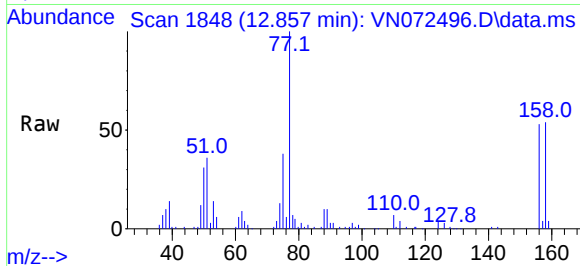
Tgt Ion: 75 Resp: 58335
Ion Ratio Lower Upper
75 100
77 161.1 0.0 378.0





#73
Bromobenzene
Concen: 24.492 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

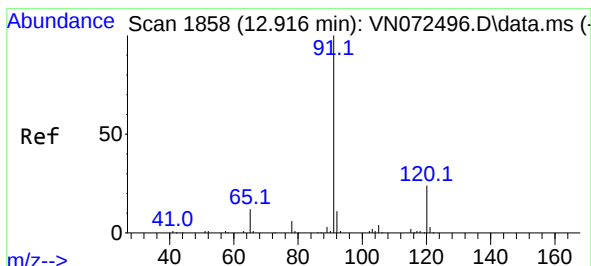
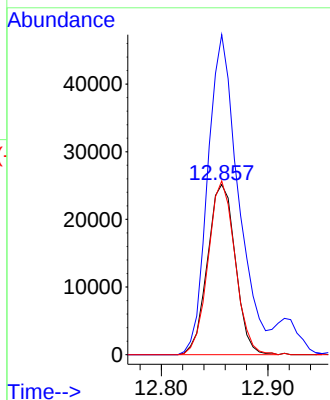
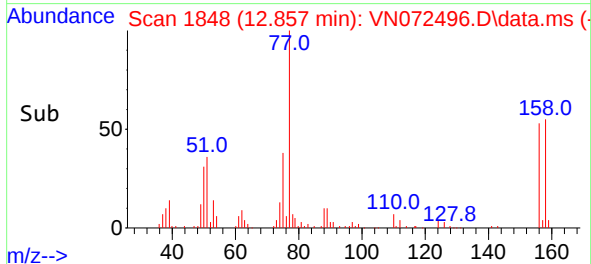
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:156 Resp: 45650
Ion Ratio Lower Upper
156 100
77 205.9 0.0 416.0
158 98.7 0.0 195.4

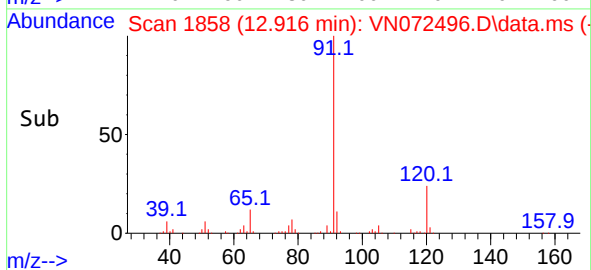
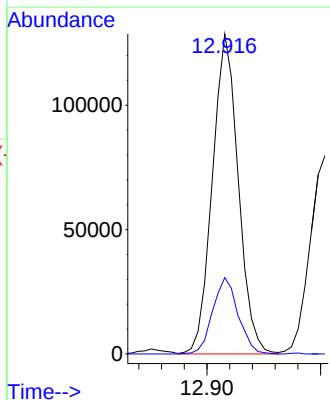
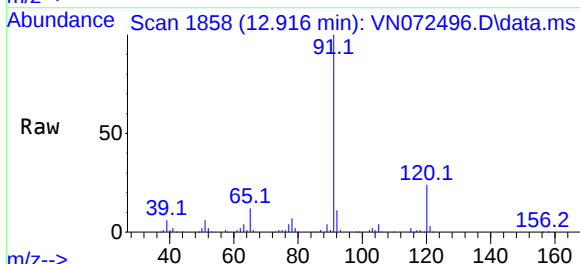
Manual Integrations
APPROVED

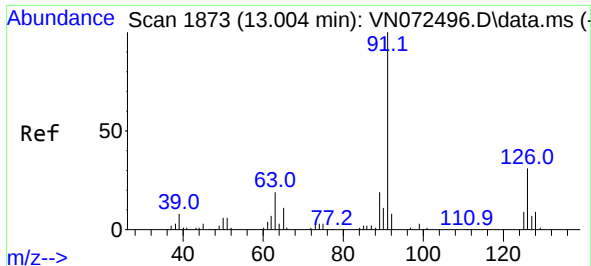
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#74
n-propylbenzene
Concen: 24.623 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 204085
Ion Ratio Lower Upper
91 100
120 23.3 0.0 45.0





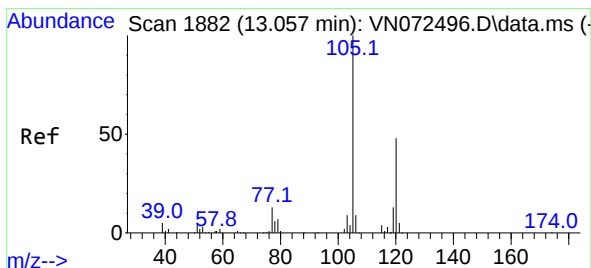
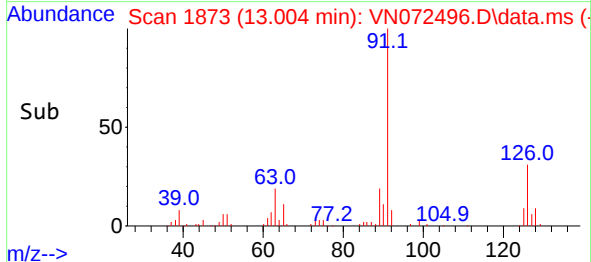
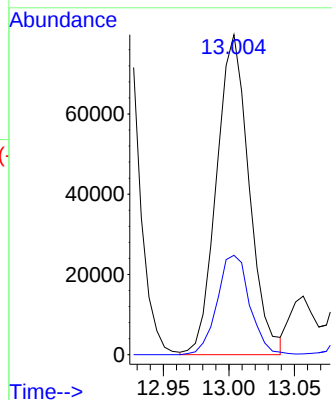
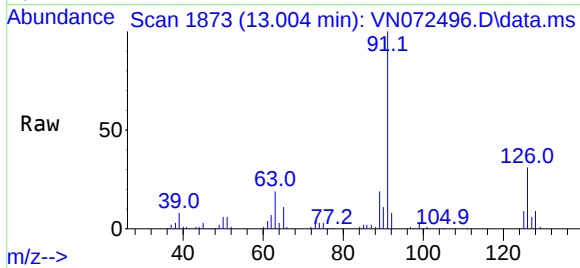
#75
2-Chlorotoluene
Concen: 25.880 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 137873
Ion Ratio Lower Upper
91 100
126 31.1 0.0 69.8

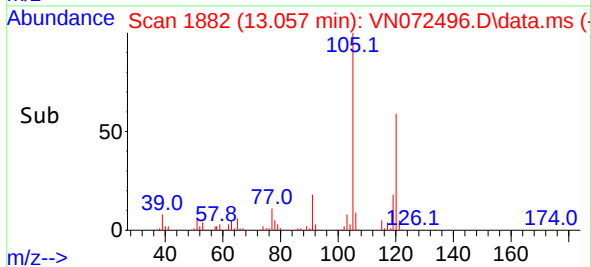
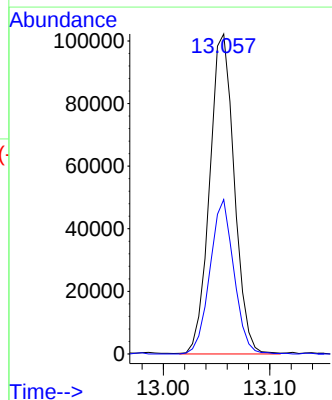
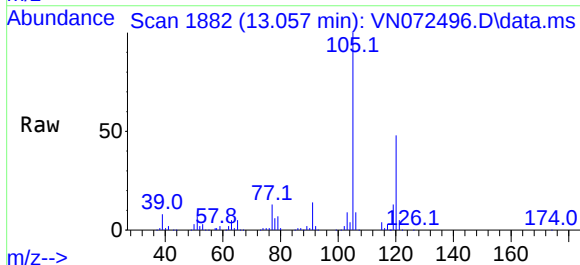
Manual Integrations
APPROVED

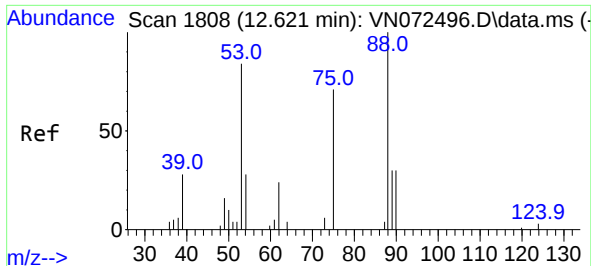
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#76
1,3,5-Trimethylbenzene
Concen: 26.254 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:105 Resp: 164304
Ion Ratio Lower Upper
105 100
120 46.8 0.0 93.8





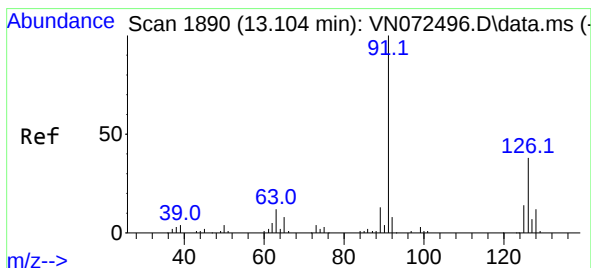
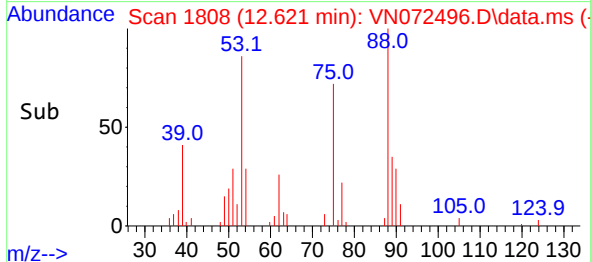
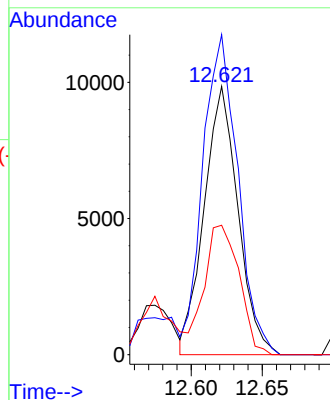
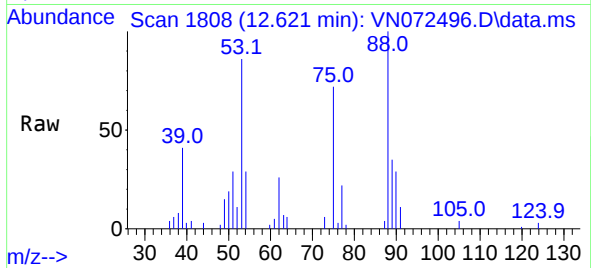
#77
t-1,4-Dichloro-2-butene
Concen: 22.541 ug/l
RT: 12.621 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 16338
Ion Ratio Lower Upper
75 100
53 119.3 51.8 155.5
89 48.2 22.9 68.7

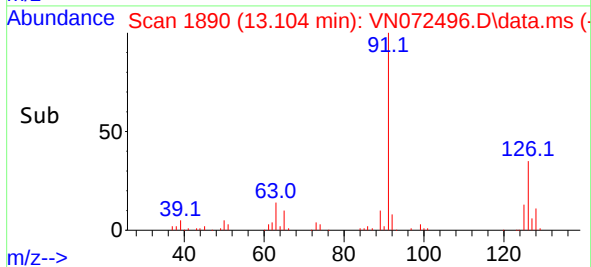
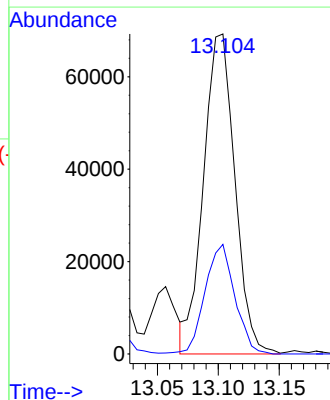
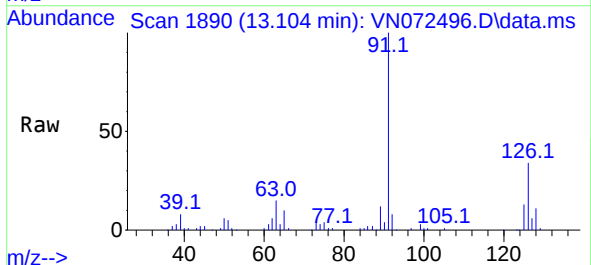
Manual Integrations
APPROVED

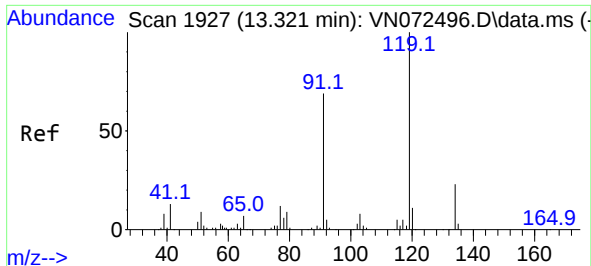
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#78
4-Chlorotoluene
Concen: 25.221 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion: 91 Resp: 124319
Ion Ratio Lower Upper
91 100
126 32.6 0.0 70.6





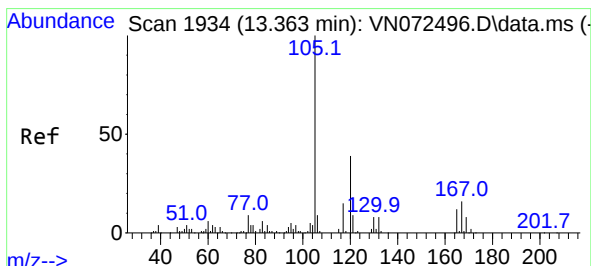
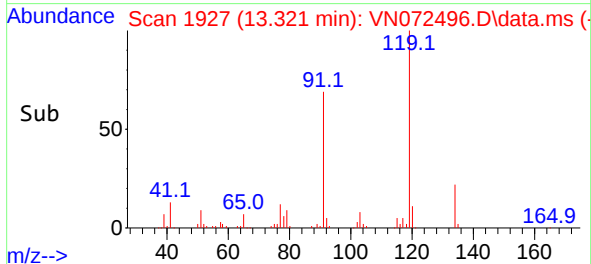
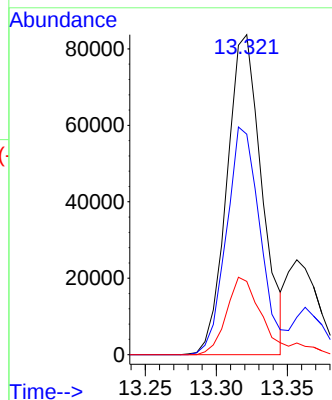
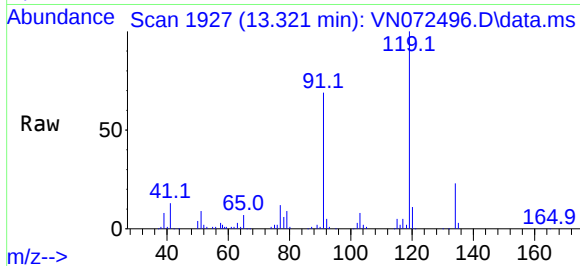
#79
tert-butylbenzene
Concen: 25.682 ug/l
RT: 13.321 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 143672
Ion Ratio Lower Upper
119 100
91 69.7 0.0 137.0
134 23.8 0.0 47.6

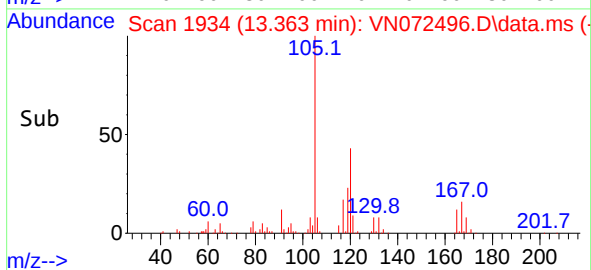
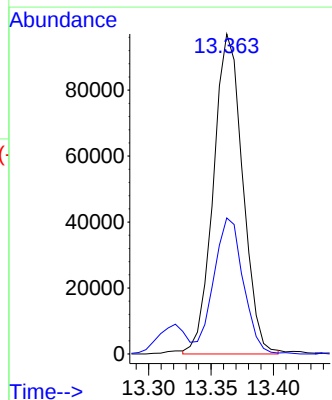
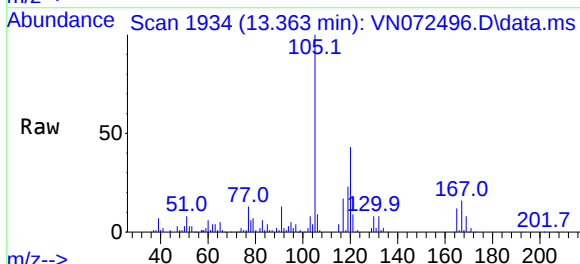
Manual Integrations
APPROVED

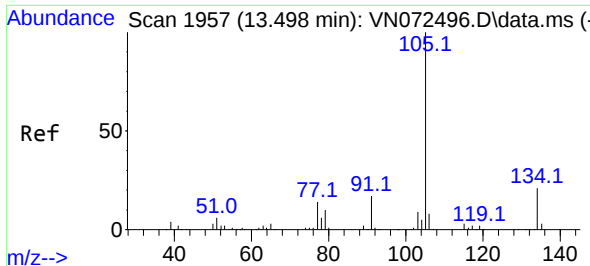
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#80
1,2,4-Trimethylbenzene
Concen: 25.969 ug/l m
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:105 Resp: 158144
Ion Ratio Lower Upper
105 100
120 0.0 0.0 0.2





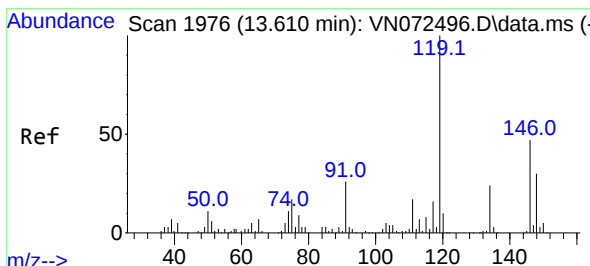
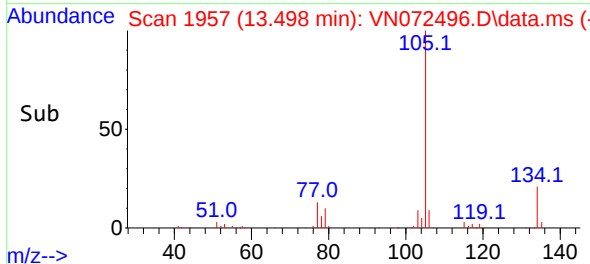
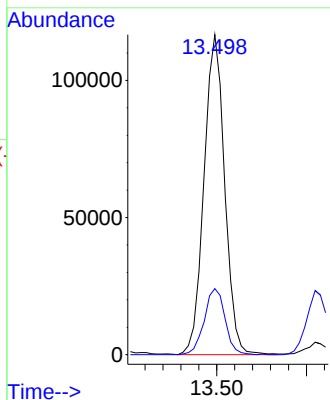
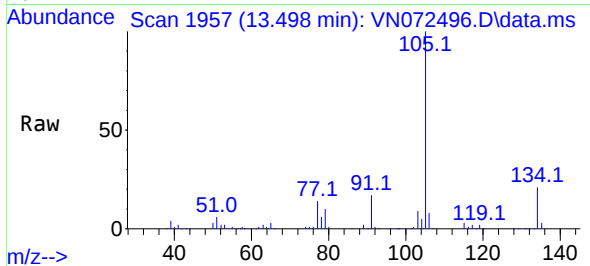
#81
 sec-Butylbenzene
 Concen: 25.051 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN072496.D
 Acq: 16 May 2022 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:105 Resp: 186744
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 39.4

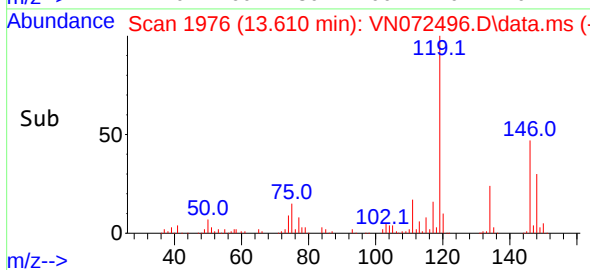
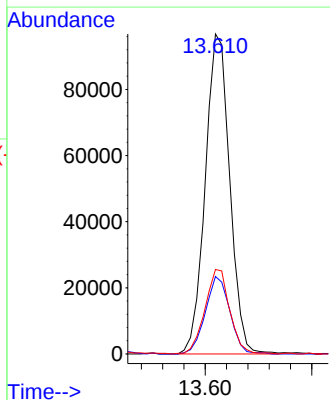
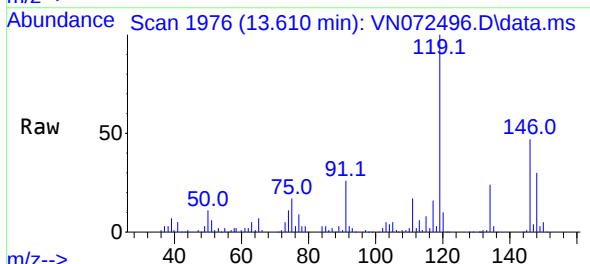
Manual Integrations
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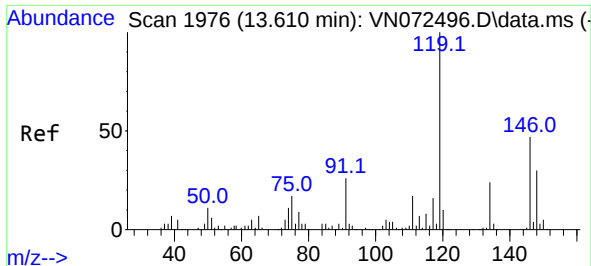
Reviewed By :John Carlone 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022



#82
 p-Isopropyltoluene
 Concen: 25.365 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VN072496.D
 Acq: 16 May 2022 12:40

Tgt Ion:119 Resp: 154746
 Ion Ratio Lower Upper
 119 100
 134 24.2 0.0 51.8
 91 26.6 0.0 50.4





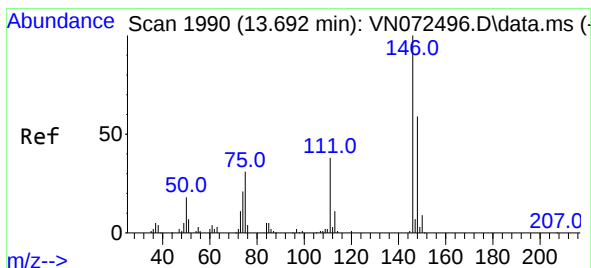
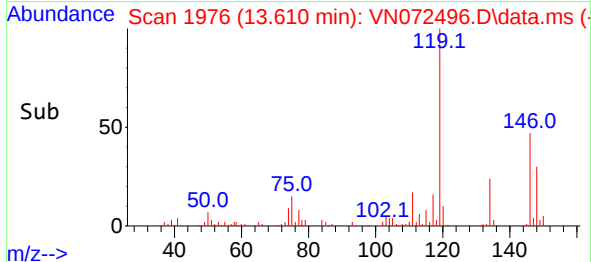
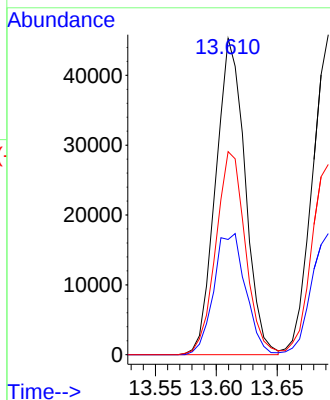
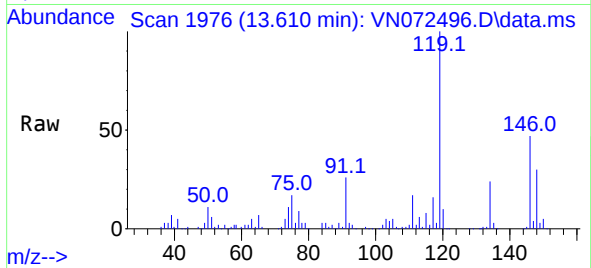
#83
1,3-Dichlorobenzene
Concen: 24.788 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 76092
Ion Ratio Lower Upper
146 100
111 41.5 20.8 62.2
148 64.9 31.4 94.3

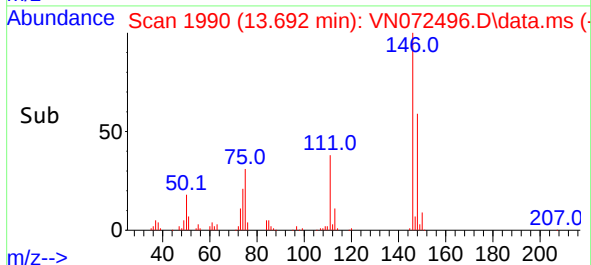
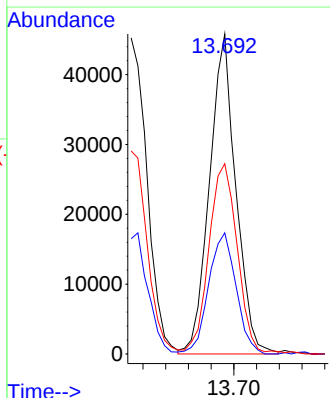
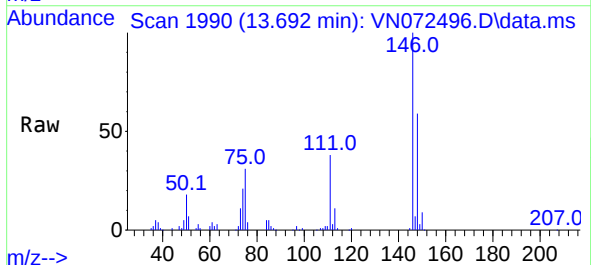
Manual Integrations
APPROVED

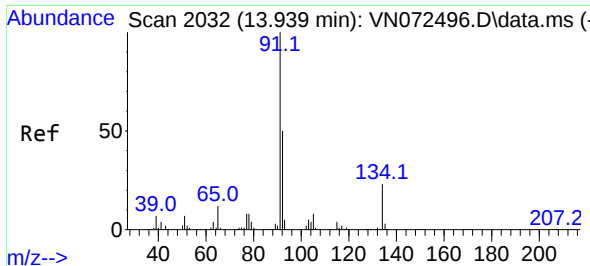
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#84
1,4-Dichlorobenzene
Concen: 25.053 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:146 Resp: 73879
Ion Ratio Lower Upper
146 100
111 39.4 19.5 58.5
148 62.7 31.1 93.5





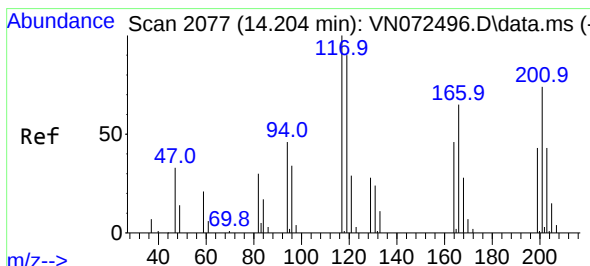
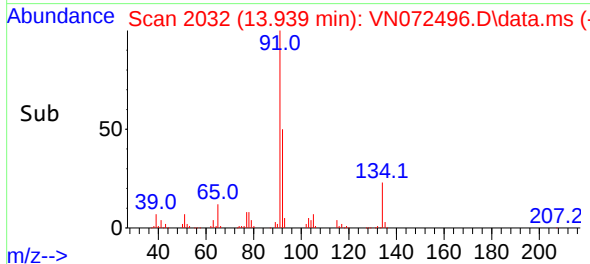
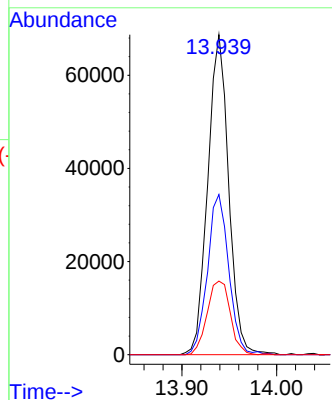
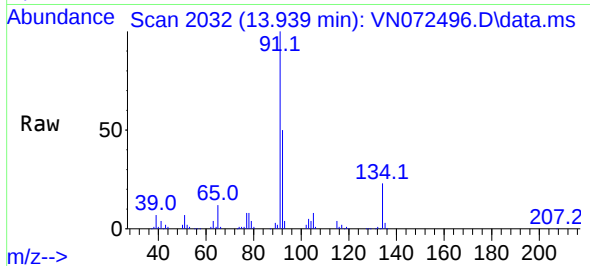
#85
n-Butylbenzene
Concen: 23.666 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 105272
Ion Ratio Lower Upper
91 100
92 50.7 0.0 100.6
134 25.5 0.0 50.2

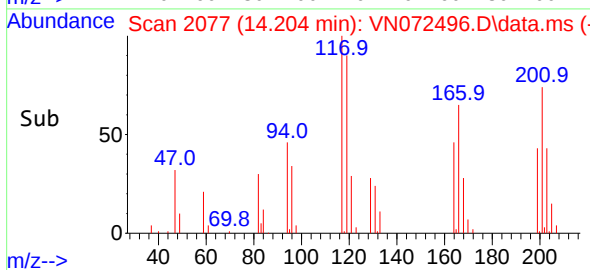
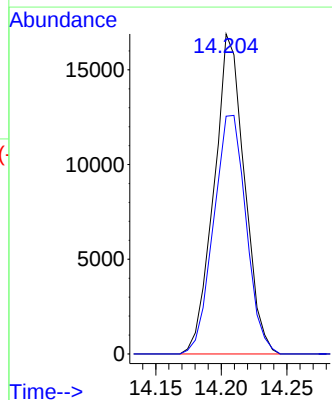
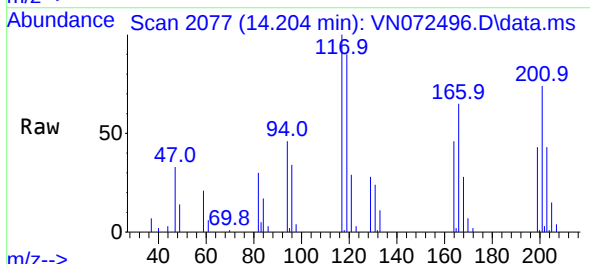
Manual Integrations
APPROVED

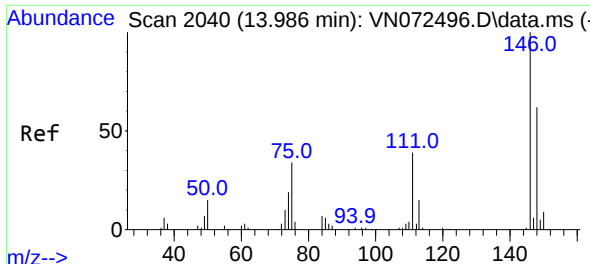
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#86
Hexachloroethane
Concen: 24.364 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:117 Resp: 27199
Ion Ratio Lower Upper
117 100
201 79.8 33.3 99.8





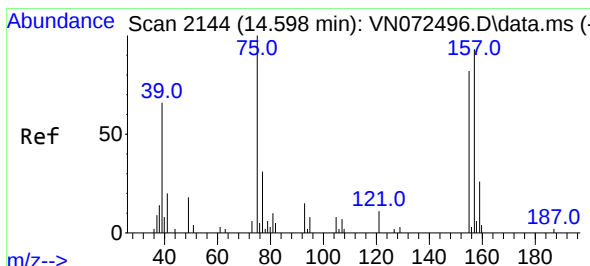
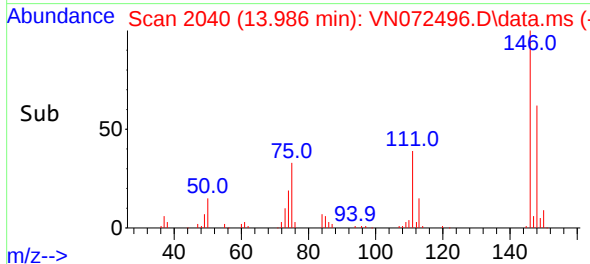
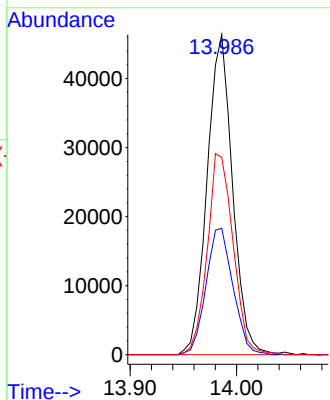
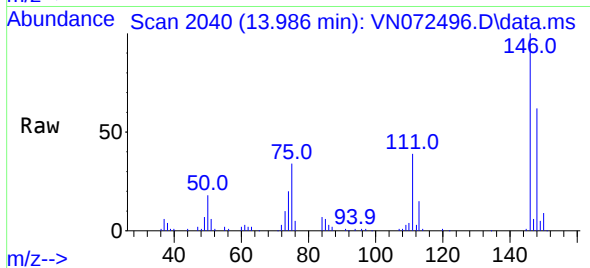
#87
1,2-Dichlorobenzene
Concen: 25.816 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 7697
Ion Ratio Lower Upper
146 100
111 41.9 21.4 64.2
148 64.0 32.5 97.4

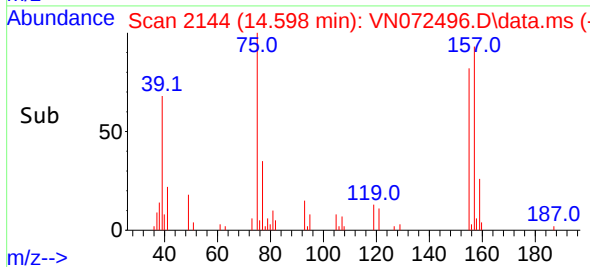
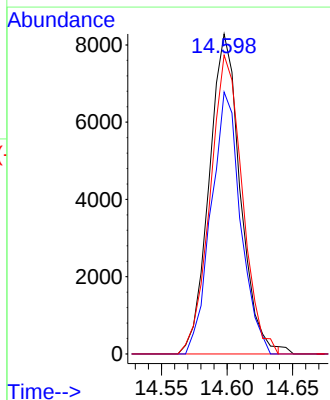
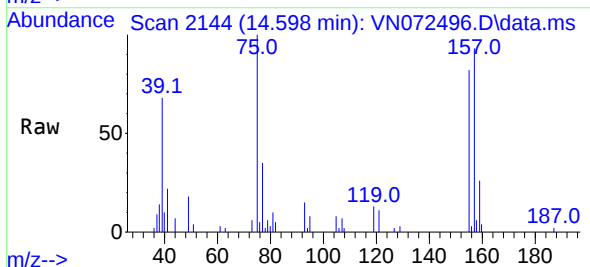
Manual Integrations
APPROVED

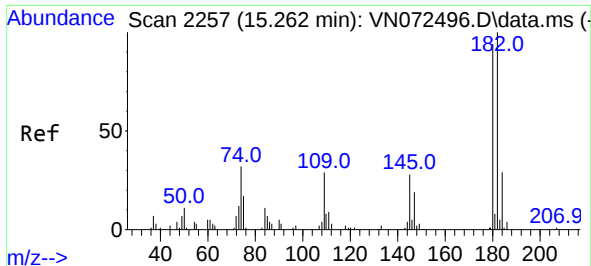
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022



#88
1,2-Dibromo-3-Chloropropane
Concen: 28.408 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

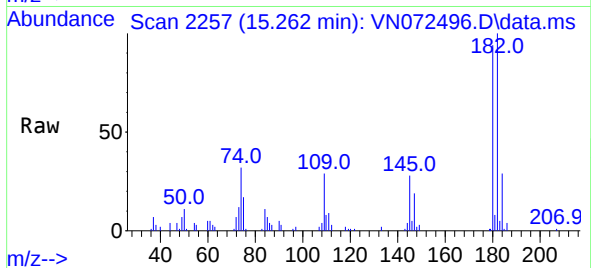
Tgt Ion: 75 Resp: 13651
Ion Ratio Lower Upper
75 100
155 77.7 63.8 95.8
157 96.3 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 22.868 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

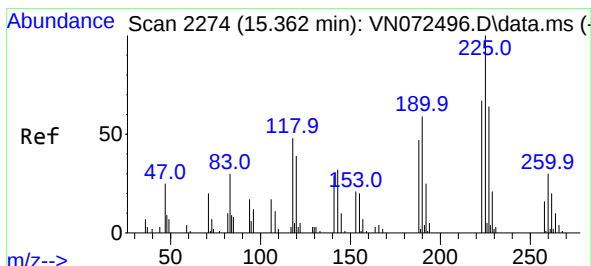
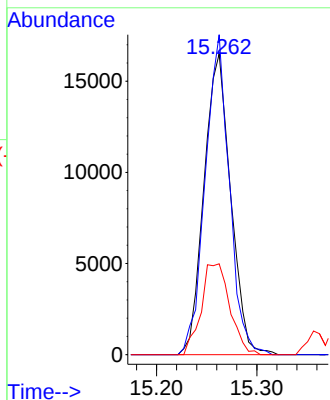
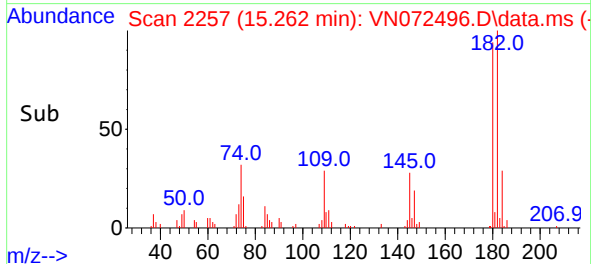
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



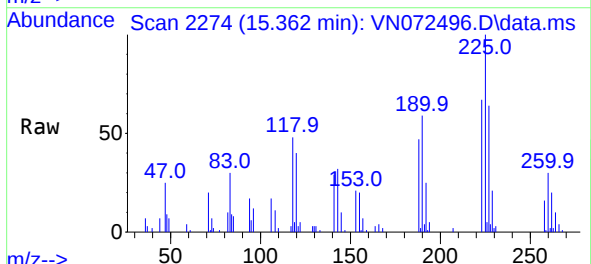
Tgt Ion:180 Resp: 3047
Ion Ratio Lower Upper
180 100
182 96.6 77.7 116.5
145 32.6 26.6 39.8

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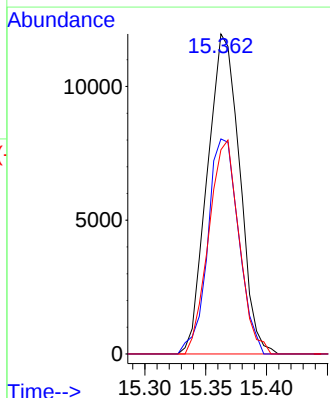
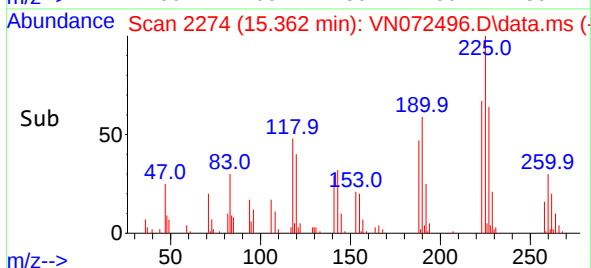
Reviewed By :John Carlone 05/17/2022
Supervised By :Mahesh Dadoda 05/17/2022

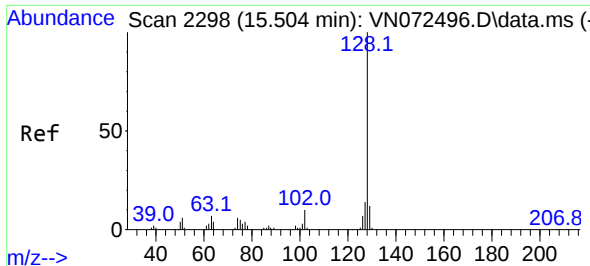


#90
Hexachlorobutadiene
Concen: 26.587 ug/l
RT: 15.362 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40



Tgt Ion:225 Resp: 22047
Ion Ratio Lower Upper
225 100
223 64.3 0.0 126.8
227 62.8 0.0 123.0





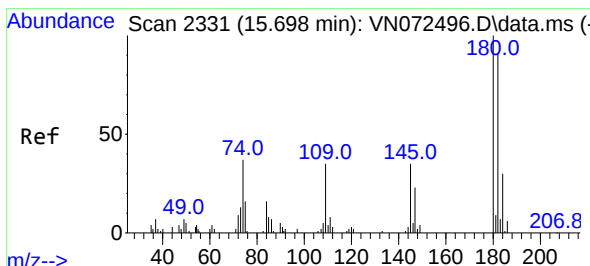
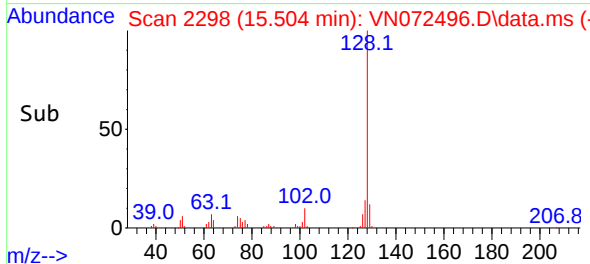
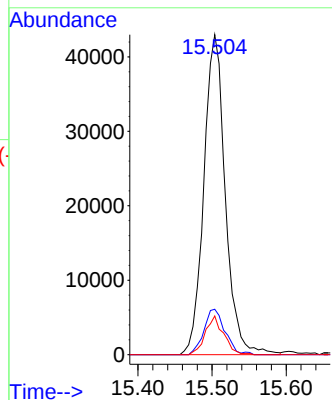
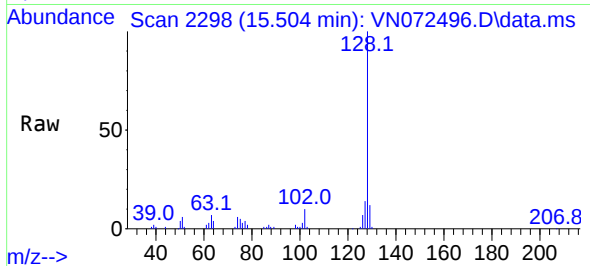
#91
Naphthalene
Concen: 23.094 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 8652
Ion Ratio Lower Upper
128 100
127 13.7 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: 24.130 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.000 min
Lab File: VN072496.D
Acq: 16 May 2022 12:40

Tgt Ion:180 Resp: 32158
Ion Ratio Lower Upper
180 100
182 98.9 0.0 190.0
145 33.2 0.0 67.8

