

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073601.D
 Acq On : 27 Jul 2022 12:19
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Jul 27 13:11:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 13:09:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2022
 Supervised By : Mahesh Dadoda 07/28/2022

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

Internal Standards						
1) Bromochloromethane	7.586	128	56460	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	297954	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	289914	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	144213	26.988	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.967%#		
60) 4-Bromofluorobenzene	12.674	95	156964	28.611	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.367%		
63) Toluene-d8	10.380	98	488977	30.749	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	189612	44.357	ug/l	99
3) Chloromethane	2.269	50	257684	58.083	ug/l	95
4) Vinyl Chloride	2.404	62	311810	73.312	ug/l	98
5) Bromomethane	2.799	94	173111	103.917	ug/l	96
6) Chloroethane	2.963	64	205634	76.212	ug/l	99
7) Trichlorofluoromethane	3.316	101	294086	43.794	ug/l	98
8) Diethyl Ether	3.763	74	119414	44.120	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.140	101	175932m	46.749	ug/l	
10) 1,1-Dichloroethene	4.110	96	170944	45.091	ug/l	100
11) Methyl Iodide	4.346	142	201529	53.352	ug/l	90
12) Methyl Acetate	4.775	43	296264	38.591	ug/l	100
13) Acrolein	3.981	56	257929	300.600	ug/l	98
14) Acrylonitrile	5.475	53	689789	228.001	ug/l	99
15) Acetone	4.216	58	183059	221.425	ug/l	92
16) Carbon Disulfide	4.457	76	470715	46.422	ug/l	99
17) Allyl chloride	4.763	41	292903	41.364	ug/l	88
18) Methylene Chloride	5.010	84	209844	45.771	ug/l	99
19) trans-1,2-Dichloroethene	5.510	96	195051	48.186	ug/l	98
20) Diisopropyl ether	6.410	45	639347	42.655	ug/l	93
21) 1,1-Dichloroethane	6.304	63	369565	46.074	ug/l	98
22) cis-1,2-Dichloroethene	7.245	96	232204	48.286	ug/l	97
23) tert-Butyl Alcohol	5.287	59	242650	201.286	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	621018	44.446	ug/l	92
25) Chloroform	7.745	83	383604	47.606	ug/l	97
26) Cyclohexane	8.022	56	328665	47.105	ug/l #	99
29) 1,1-Dichloropropene	8.151	75	282599	51.890	ug/l	98
30) 2-Butanone	7.257	43	967211	236.354	ug/l	100
31) 2,2-Dichloropropane	7.245	77	285174	88.012	ug/l	100
32) 1,1,1-Trichloroethane	7.945	97	314927	47.515	ug/l	98
33) Carbon Tetrachloride	8.133	117	271688	48.613	ug/l	99
34) Benzene	8.392	78	892787	52.384	ug/l	98
35) Methacrylonitrile	7.569	41	156601	42.932	ug/l	97
36) 1,2-Dichloroethane	8.463	62	292759	47.201	ug/l	96
37) Trichloroethene	9.151	130	216888	51.262	ug/l	99
38) Methylcyclohexane	9.398	83	352014	54.603	ug/l	97
39) 1,2-Dichloropropane	9.428	63	225060	51.107	ug/l	94
40) Dibromomethane	9.516	93	152503	51.294	ug/l	90
41) Bromodichloromethane	9.698	83	294889	49.311	ug/l	98
42) Vinyl Acetate	6.351	43	2830661	226.168	ug/l	97

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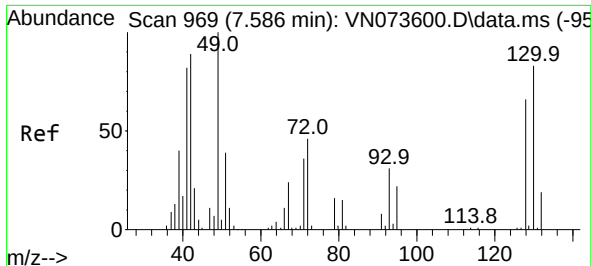
Manual Integrations
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 Supervised By : Mahesh Dadoda 07/28/2022

Quant Time: Jul 27 13:11:21 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	377614	50.166	ug/l	100
44) Isopropyl Acetate	8.492	43	519721	44.233	ug/l	96
45) 1,4-Dioxane	9.504	88	124272	1124.173	ug/l	94
46) Methyl methacrylate	9.498	41	228364	42.807	ug/l	85
47) n-amyl Acetate	12.333	43	427188	45.515	ug/l	97
48) t-1,3-Dichloropropene	10.657	75	312702	55.524	ug/l	99
49) cis-1,3-Dichloropropene	10.128	75	346390	56.204	ug/l #	89
50) 1,1,2-Trichloroethane	10.839	97	233641	54.147	ug/l	98
51) Ethyl methacrylate	10.704	69	359312	50.520	ug/l	86
52) 1,3-Dichloropropane	10.986	76	392982	52.955	ug/l	99
53) Dibromochloromethane	11.180	129	235050	52.270	ug/l	100
54) 1,2-Dibromoethane	11.286	107	237615	52.655	ug/l	98
55) 2-Chloroethyl vinyl ether	9.980	63	804789	263.259	ug/l	99
56) Bromoform	12.398	173	186961	56.457	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	1876329	227.247	ug/l	95
59) 2-Hexanone	11.027	43	1472756	233.286	ug/l	95
61) Tetrachloroethene	10.916	164	215820	55.328	ug/l	91
62) Toluene	10.445	91	995700	51.218	ug/l	98
64) Chlorobenzene	11.710	112	594381	51.085	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.780	131	219680	49.854	ug/l	99
66) Ethyl Benzene	11.786	91	1089293	51.222	ug/l	98
67) m/p-Xylenes	11.892	106	844259	105.413	ug/l	98
68) o-Xylene	12.221	106	416555	51.940	ug/l	98
69) Styrene	12.233	104	697238	53.794	ug/l	97
70) Isopropylbenzene	12.521	105	1082242	52.549	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.769	83	367026	51.131	ug/l	98
72) 1,2,3-Trichloropropane	12.821	75	326695m	57.998	ug/l	
73) Bromobenzene	12.798	156	264298	54.455	ug/l	98
74) n-propylbenzene	12.863	91	1261187	53.557	ug/l	99
75) 2-Chlorotoluene	12.945	91	738643	50.558	ug/l	99
76) 1,3,5-Trimethylbenzene	12.998	105	902041	52.354	ug/l	95
77) t-1,4-Dichloro-2-butene	12.569	75	113443	62.438	ug/l	94
78) 4-Chlorotoluene	13.045	91	715097	50.968	ug/l	100
79) tert-butylbenzene	13.263	119	783122	51.992	ug/l	94
80) 1,2,4-Trimethylbenzene	13.310	105	907014m	53.687	ug/l	
81) sec-Butylbenzene	13.439	105	1126003	54.691	ug/l	98
82) p-Isopropyltoluene	13.557	119	934089	55.929	ug/l	96
83) 1,3-Dichlorobenzene	13.557	146	484837	56.394	ug/l	97
84) 1,4-Dichlorobenzene	13.633	146	468523	54.768	ug/l	98
85) n-Butylbenzene	13.880	91	760344	55.818	ug/l	97
86) Hexachloroethane	14.151	117	164029	50.396	ug/l	81
87) 1,2-Dichlorobenzene	13.927	146	487625	54.156	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.545	75	78621	44.351	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.198	180	274019	58.343	ug/l	96
90) Hexachlorobutadiene	15.304	225	132518	65.846	ug/l	97
91) Naphthalene	15.439	128	931291	52.412	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	284460	59.034	ug/l	98

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



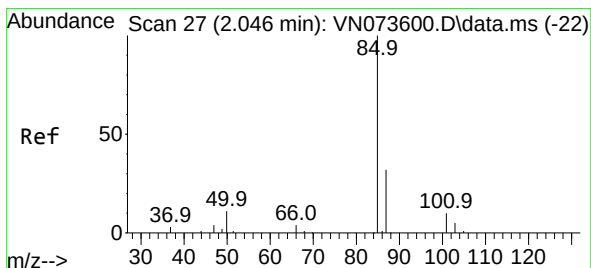
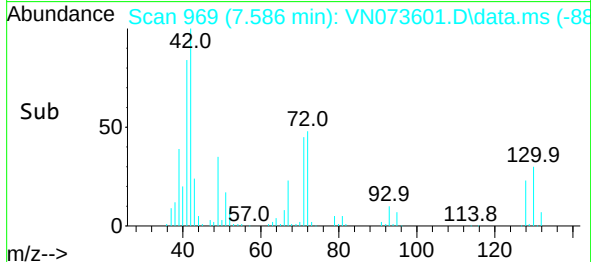
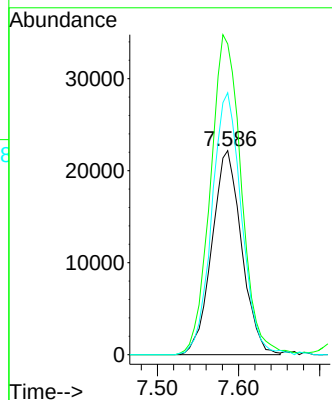
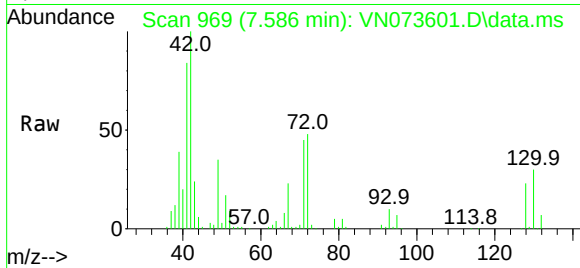
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 969
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :
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ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 56460
Ion Ratio Lower Upper
128 100
49 162.2 0.0 392.3
130 127.3 0.0 320.2

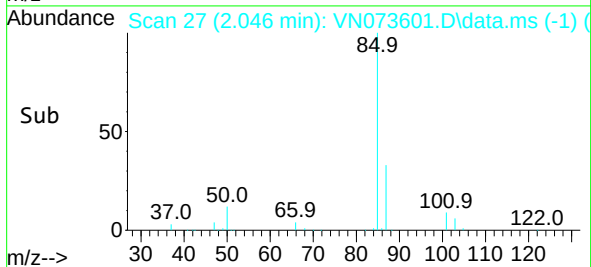
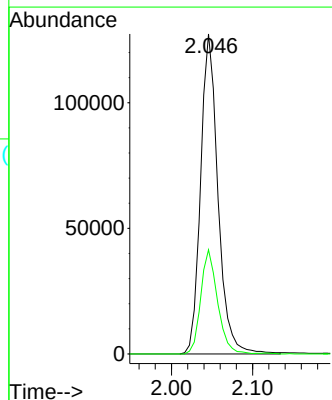
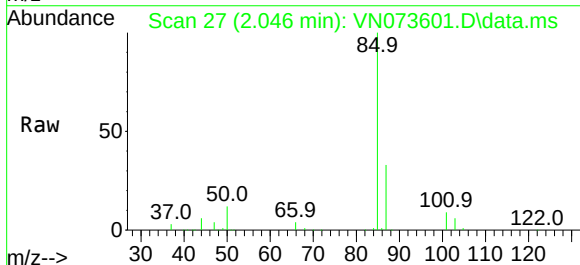
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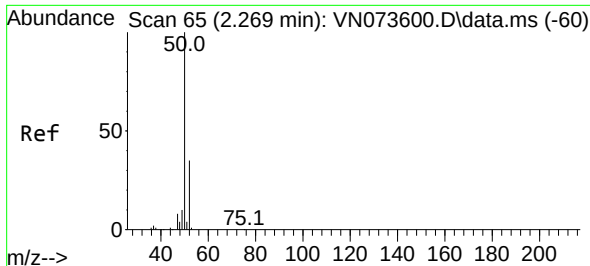
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#2
Dichlorodifluoromethane
Concen: 44.357 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

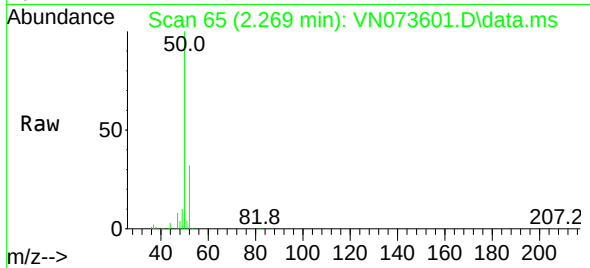
Tgt Ion: 85 Resp: 189612
Ion Ratio Lower Upper
85 100
87 32.6 16.6 49.7





#3
Chloromethane
Concen: 58.083 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

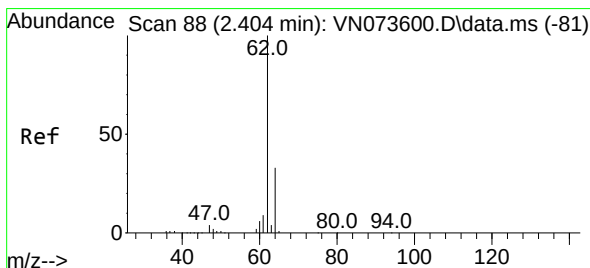
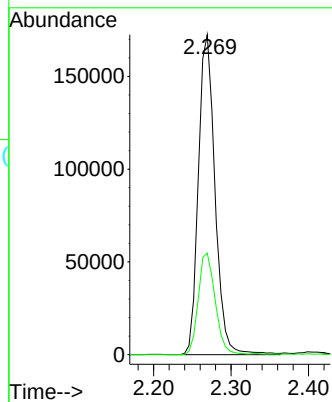
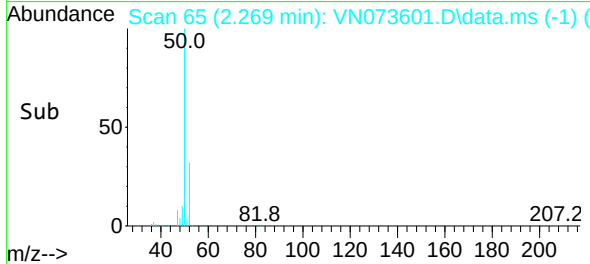
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 50 Resp: 257684
Ion Ratio Lower Upper
50 100
52 31.7 27.8 41.6

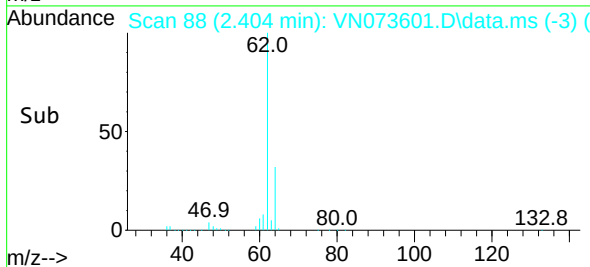
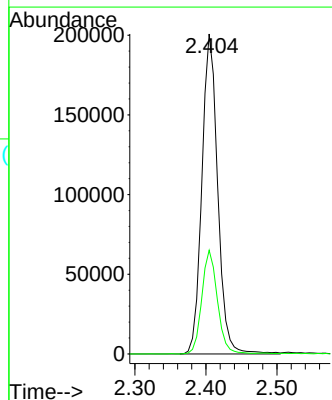
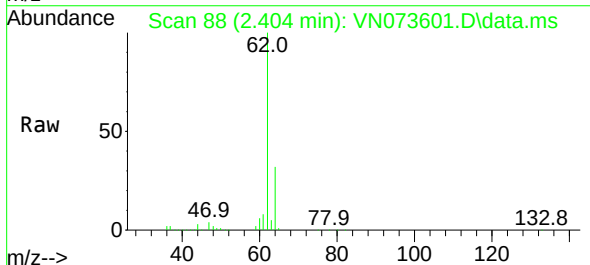
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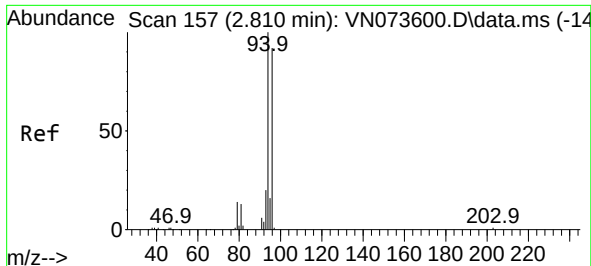
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#4
Vinyl Chloride
Concen: 73.312 ug/l
RT: 2.404 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

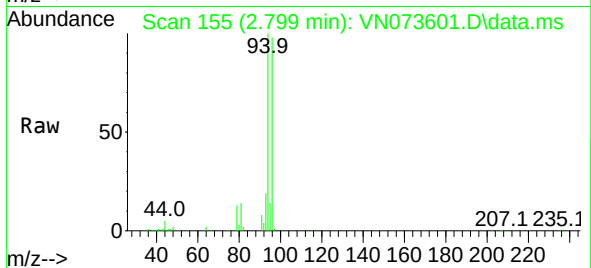
Tgt Ion: 62 Resp: 311810
Ion Ratio Lower Upper
62 100
64 32.4 25.1 37.7





#5
Bromomethane
Concen: 103.917 ug/l
RT: 2.799 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

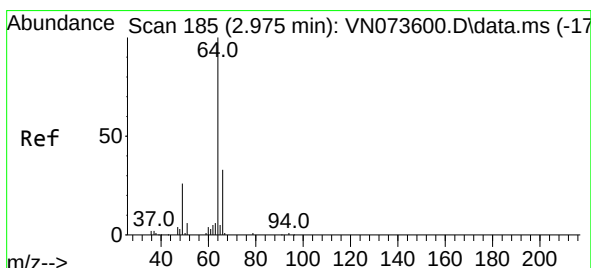
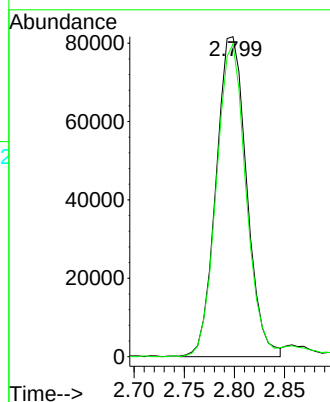
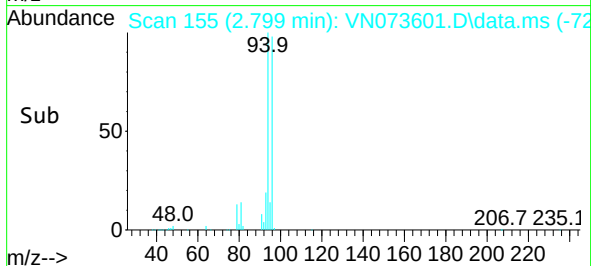
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



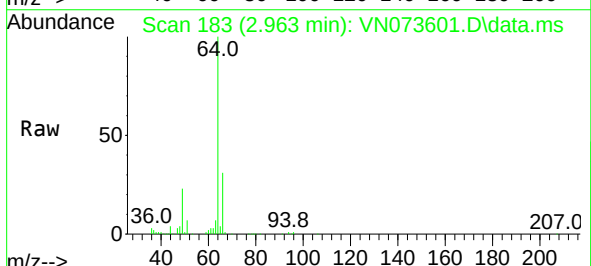
Tgt Ion: 94 Resp: 17311
Ion Ratio Lower Upper
94 100
96 97.9 75.2 112.8

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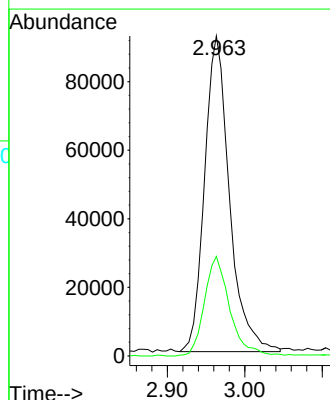
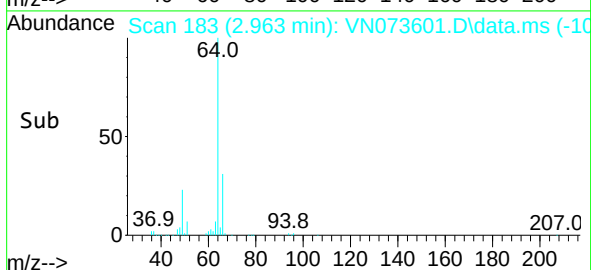
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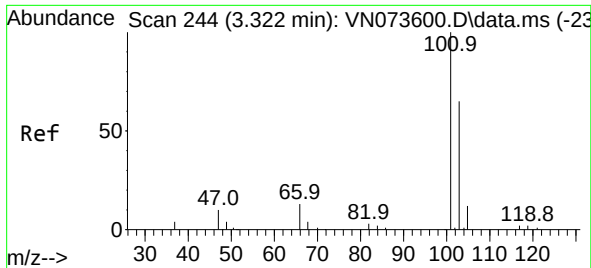


#6
Chloroethane
Concen: 76.212 ug/l
RT: 2.963 min Scan# 183
Delta R.T. -0.012 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion: 64 Resp: 205634
Ion Ratio Lower Upper
64 100
66 31.3 24.6 36.8





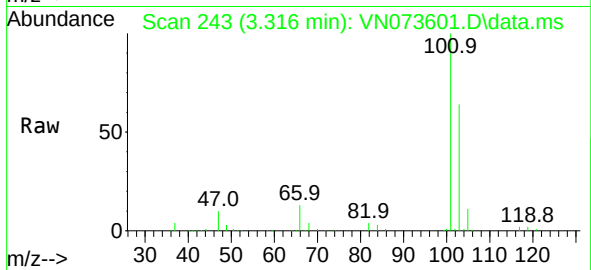
#7
 Trichlorofluoromethane
 Concen: 43.794 ug/l
 RT: 3.316 min Scan# 244
 Delta R.T. -0.006 min
 Lab File: VN073601.D
 Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050



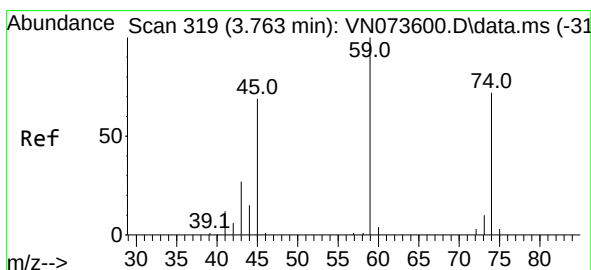
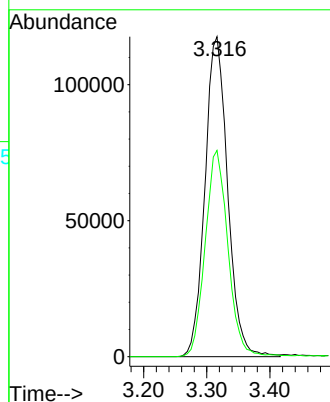
Tgt Ion:101 Resp: 294086
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.1 75.1

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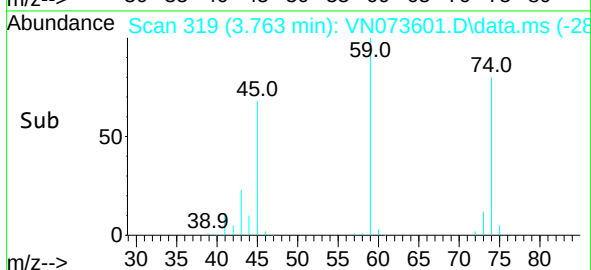
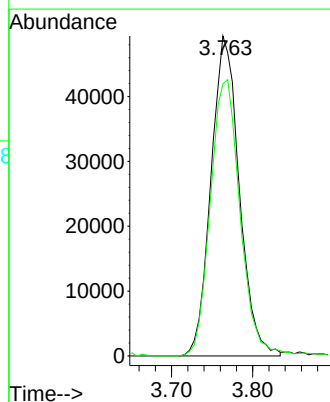
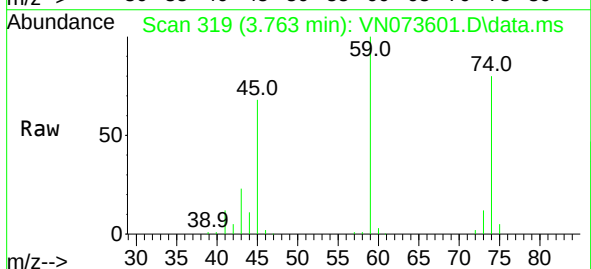
Reviewed By :John Carlone 07/28/2022

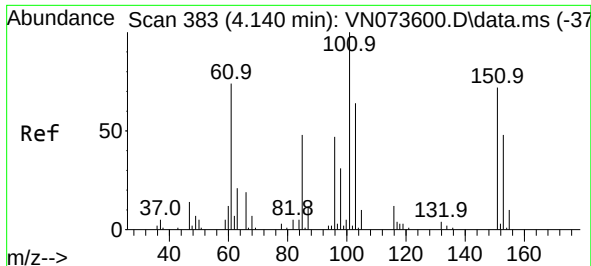
Supervised By :Mahesh Dadoda 07/28/2022



#8
 Diethyl Ether
 Concen: 44.120 ug/l
 RT: 3.763 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VN073601.D
 Acq: 27 Jul 2022 12:19

Tgt Ion: 74 Resp: 119414
 Ion Ratio Lower Upper
 74 100
 45 90.6 17.6 158.8





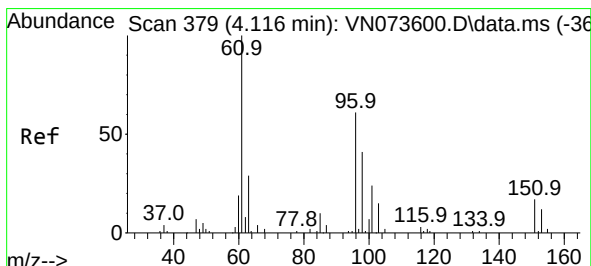
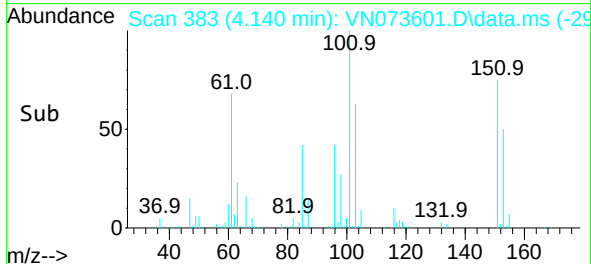
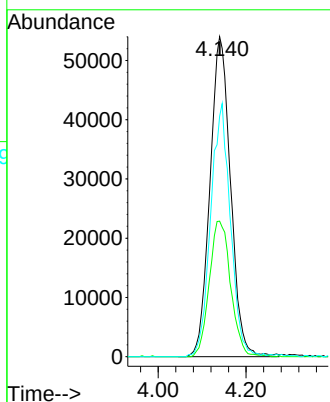
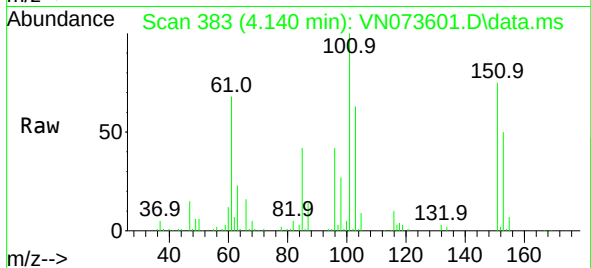
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.749 ug/l m
RT: 4.140 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 17593
Ion Ratio Lower Upper
101 100
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151 0.1 0.0 74.6

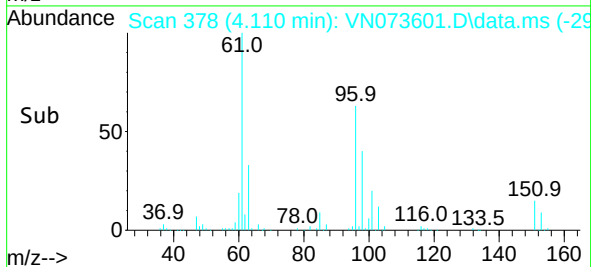
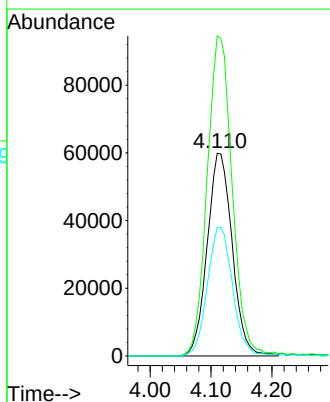
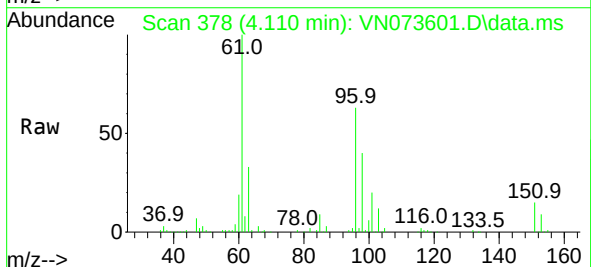
Manual Integrations
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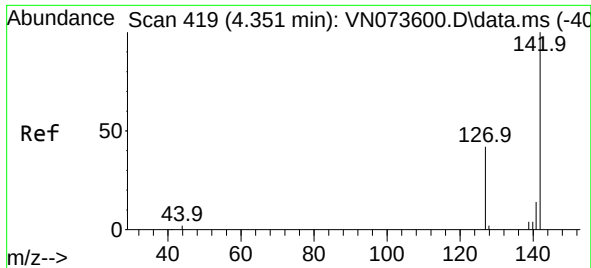
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#10
1,1-Dichloroethene
Concen: 45.091 ug/l
RT: 4.110 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

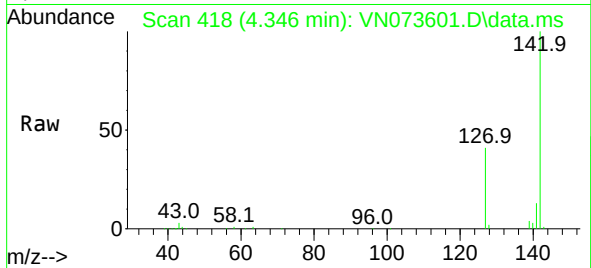
Tgt Ion: 96 Resp: 170944
Ion Ratio Lower Upper
96 100
61 157.9 126.2 189.4
98 63.4 50.9 76.3





#11
Methyl Iodide
Concen: 53.352 ug/l
RT: 4.346 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

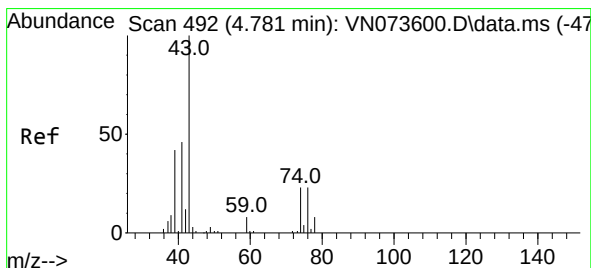
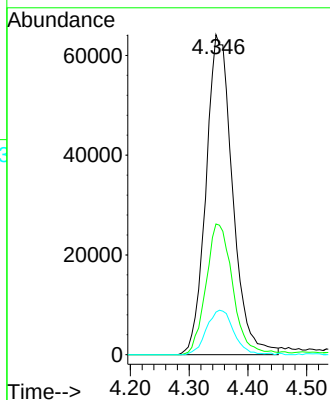
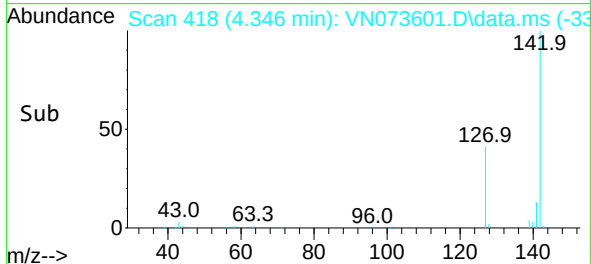
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 201529
Ion Ratio Lower Upper
142 100
127 40.9 24.0 72.0
141 13.2 8.4 25.2

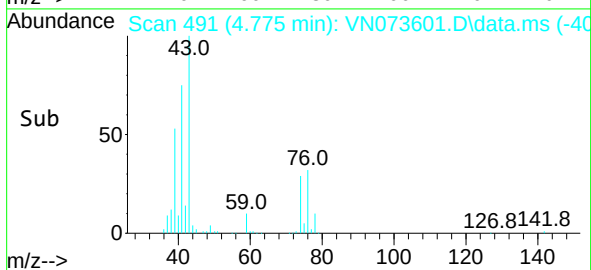
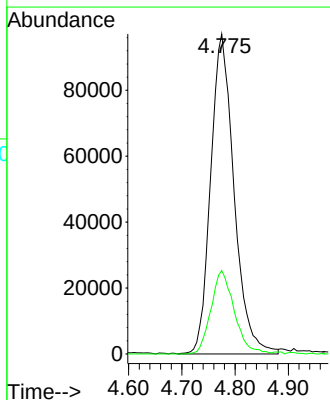
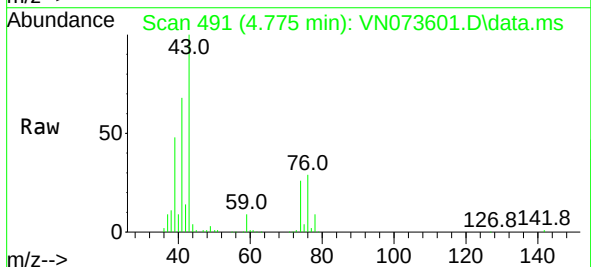
Manual Integrations
APPROVED

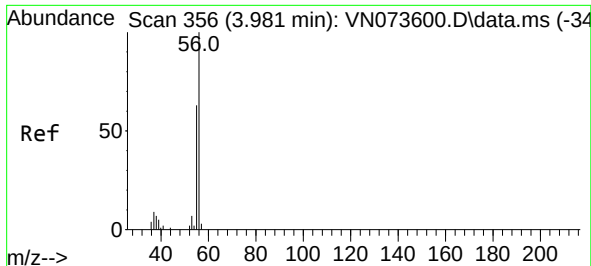
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#12
Methyl Acetate
Concen: 38.591 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Tgt Ion: 43 Resp: 296264
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2





#13

Acrolein

Concen: 300.600 ug/l

RT: 3.981 min Scan# 356

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 56 Resp: 257929

Ion Ratio Lower Upper

56 100

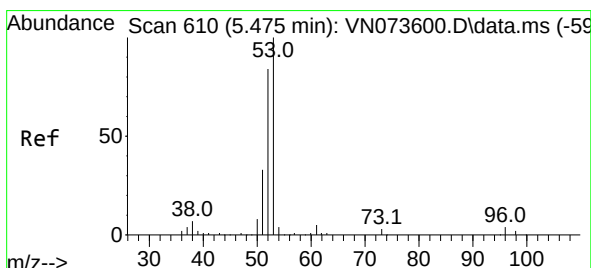
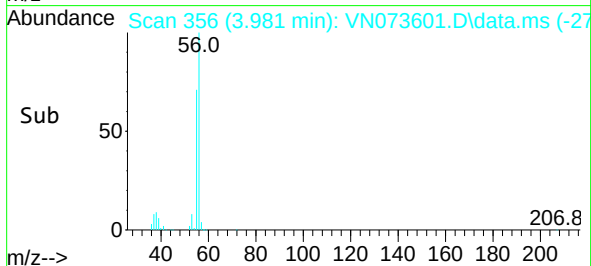
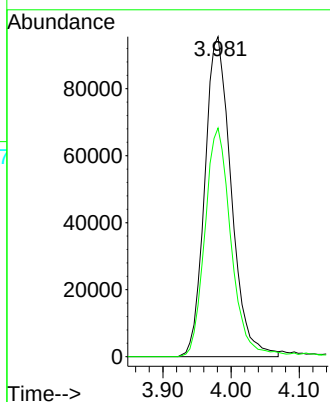
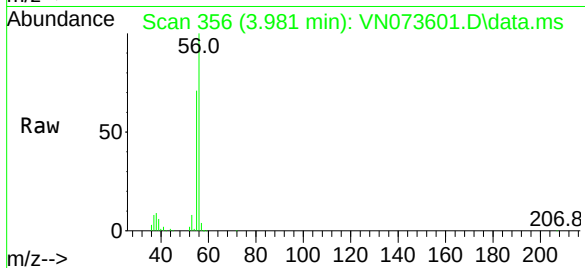
55 70.6 57.6 86.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#14

Acrylonitrile

Concen: 228.001 ug/l

RT: 5.475 min Scan# 610

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

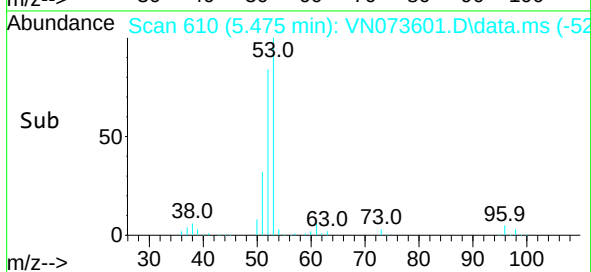
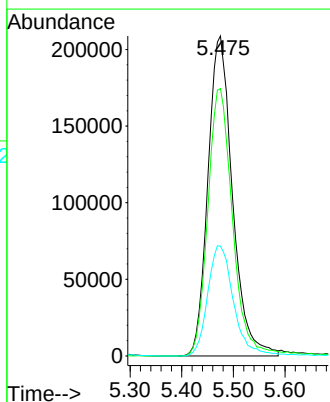
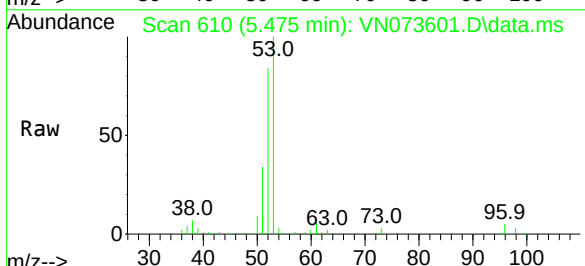
Tgt Ion: 53 Resp: 689789

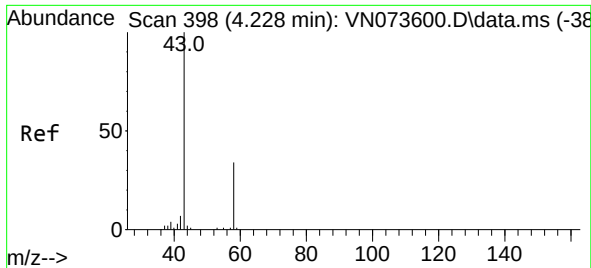
Ion Ratio Lower Upper

53 100

52 83.8 41.8 125.4

51 36.1 19.0 57.0





#15

Acetone

Concen: 221.425 ug/l

RT: 4.216 min Scan# 398

Delta R.T. -0.012 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 58 Resp: 18305

Ion Ratio Lower Upper

58 100

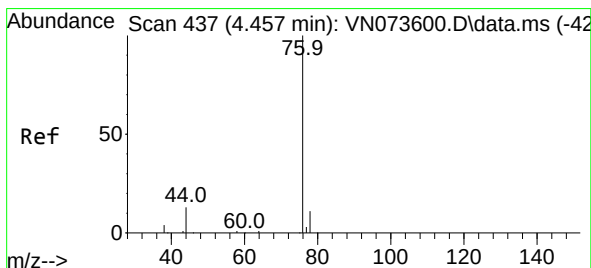
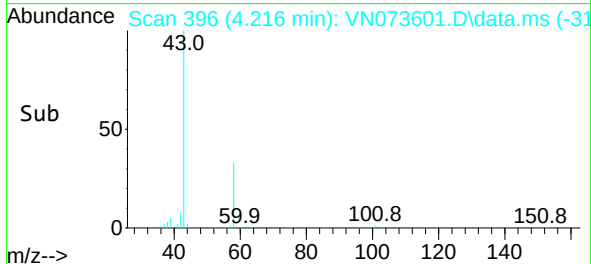
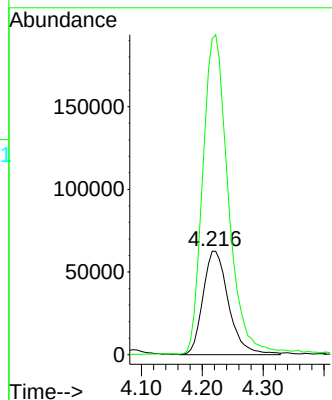
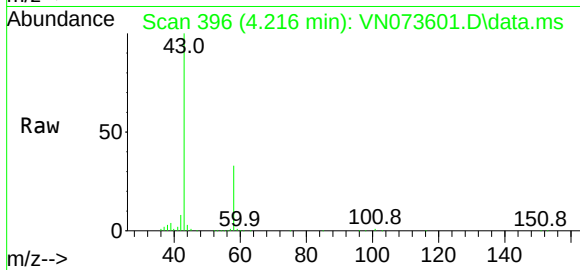
43 304.4 256.6 384.8

Manual Integrations

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Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#16

Carbon Disulfide

Concen: 46.422 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.000 min

Lab File: VN073601.D

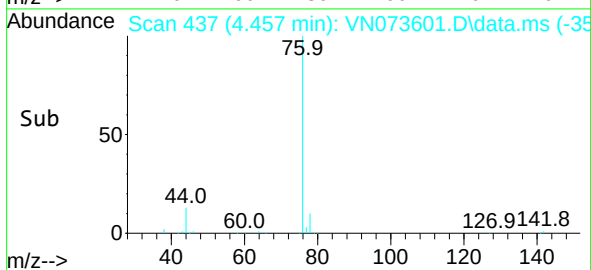
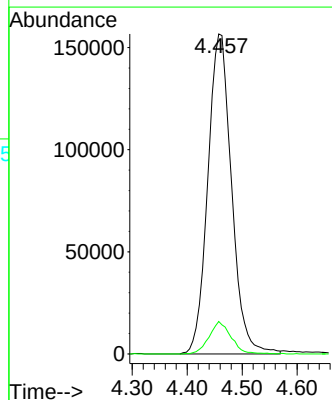
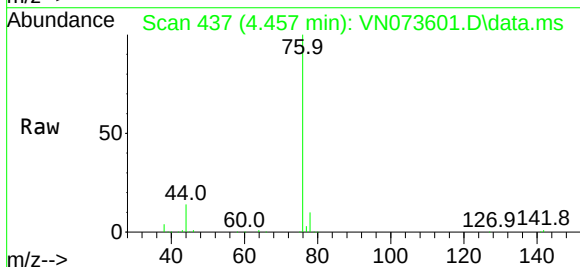
Acq: 27 Jul 2022 12:19

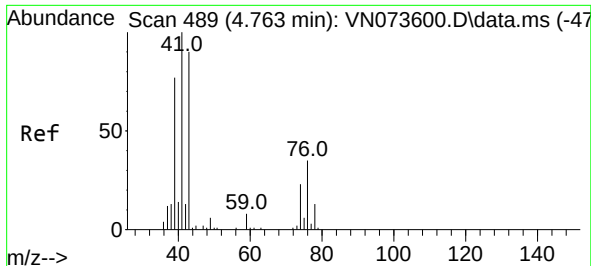
Tgt Ion: 76 Resp: 470715

Ion Ratio Lower Upper

76 100

78 10.1 7.8 11.8





#17

Allyl chloride

Concen: 41.364 ug/l

RT: 4.763 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 41 Resp: 29290

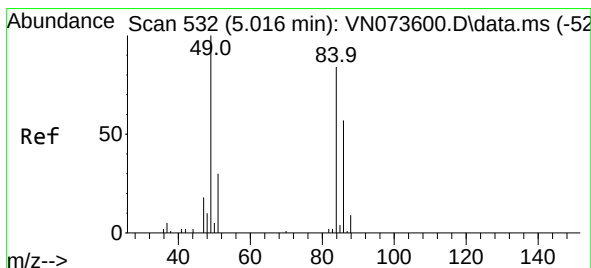
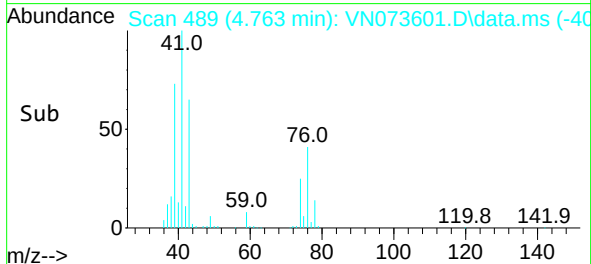
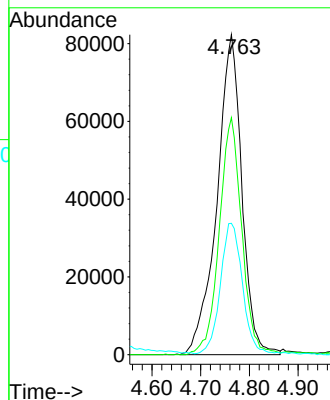
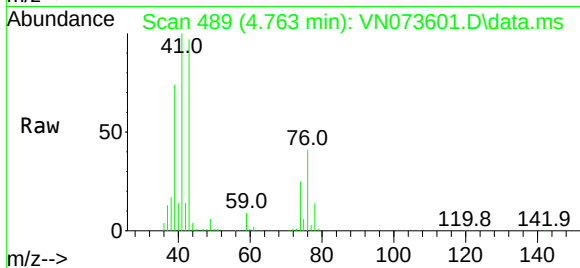
Ion	Ratio	Lower	Upper
41	100		
39	74.0	44.6	134.0
76	40.5	19.6	58.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#18

Methylene Chloride

Concen: 45.771 ug/l

RT: 5.010 min Scan# 531

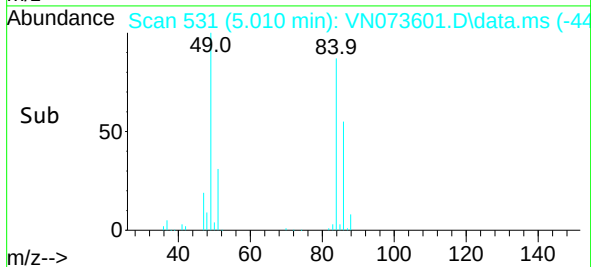
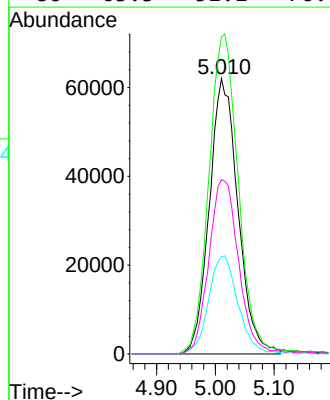
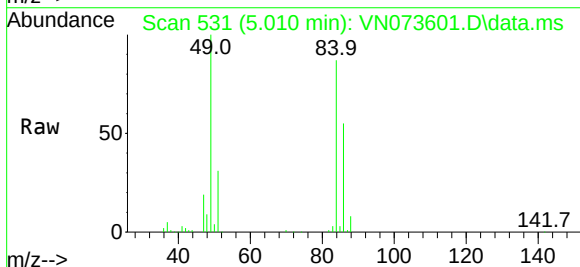
Delta R.T. -0.006 min

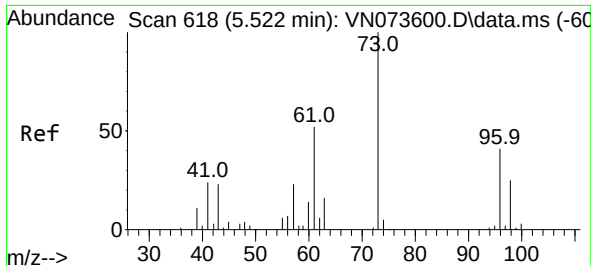
Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Tgt Ion: 84 Resp: 209844

Ion	Ratio	Lower	Upper
84	100		
49	114.8	91.4	137.0
51	35.4	29.4	44.0
86	63.3	51.1	76.7





#19

trans-1,2-Dichloroethene

Concen: 48.186 ug/l

RT: 5.510 min Scan# 618

Delta R.T. -0.012 min

Lab File: VN073601.D

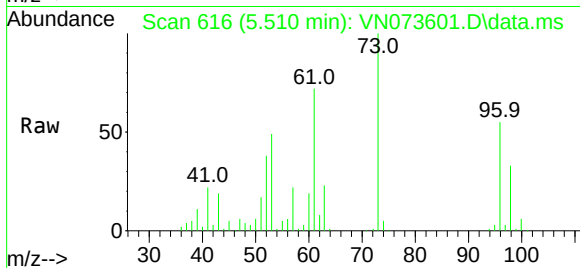
Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050



Tgt Ion: 96 Resp: 19505

Ion Ratio Lower Upper

96 100

61 130.4 102.8 154.2

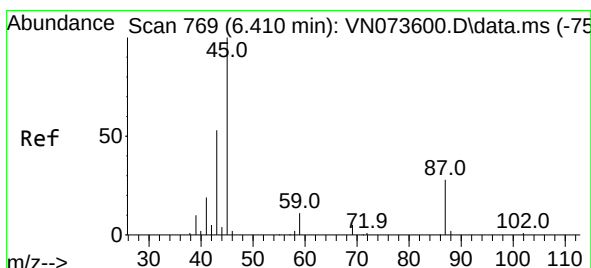
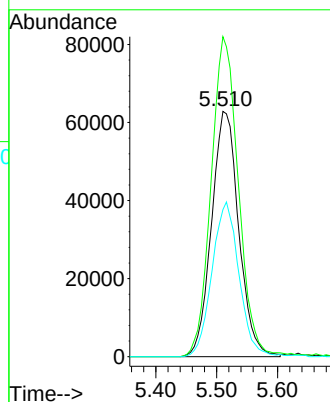
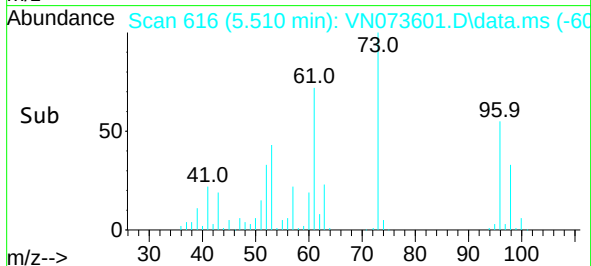
98 60.0 49.3 73.9

Manual Integrations

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Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#20

Diisopropyl ether

Concen: 42.655 ug/l

RT: 6.410 min Scan# 769

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Tgt Ion: 45 Resp: 639347

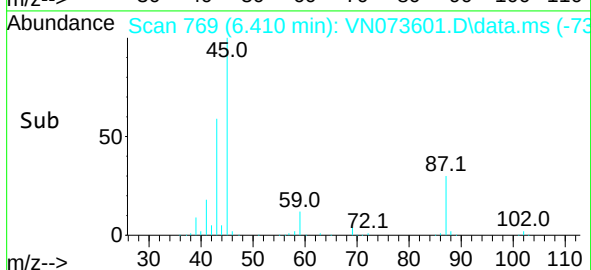
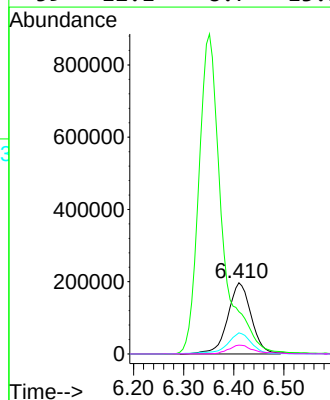
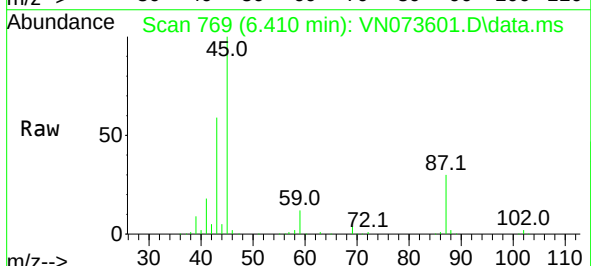
Ion Ratio Lower Upper

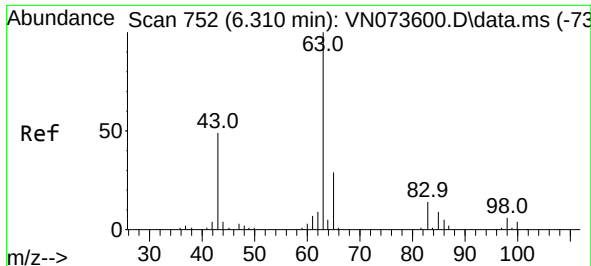
45 100

43 56.8 51.0 76.4

87 29.3 25.0 37.4

59 12.1 8.7 13.1





#21

1,1-Dichloroethane

Concen: 46.074 ug/l

RT: 6.304 min Scan# 751

Delta R.T. -0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 36956

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

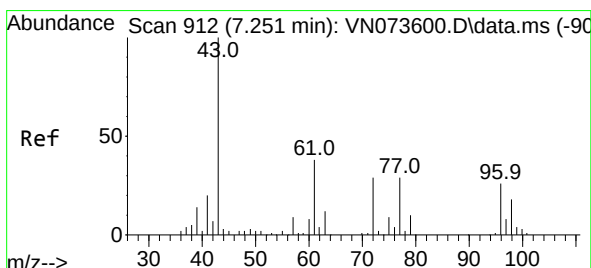
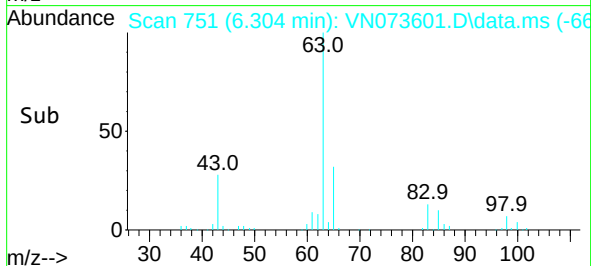
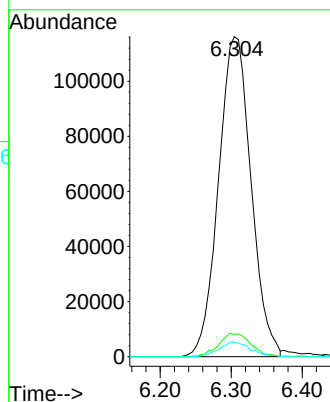
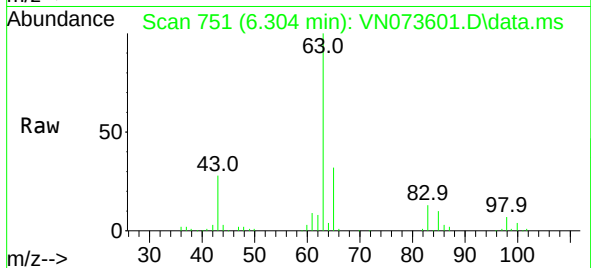
100 4.5 2.1 6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#22

cis-1,2-Dichloroethene

Concen: 48.286 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

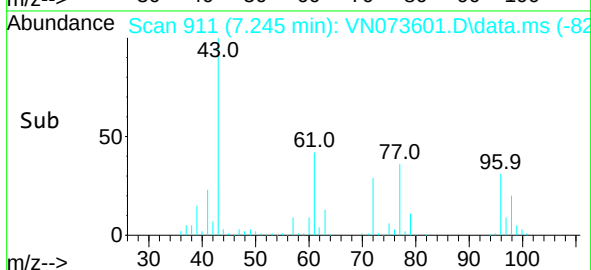
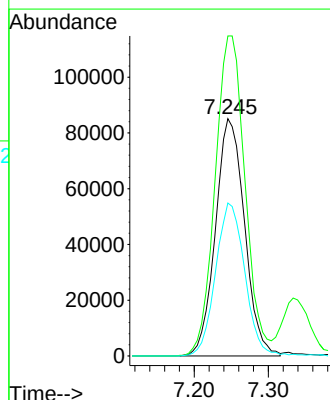
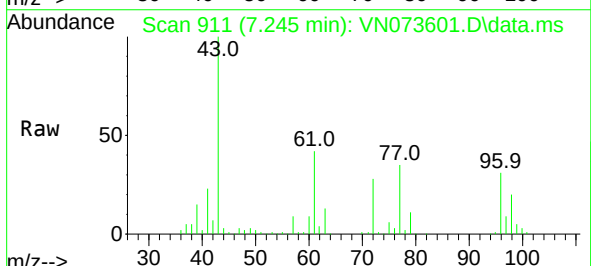
Tgt Ion: 96 Resp: 232204

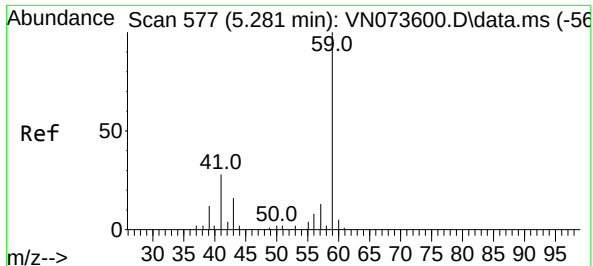
Ion Ratio Lower Upper

96 100

61 138.6 115.7 173.5

98 64.5 51.6 77.4





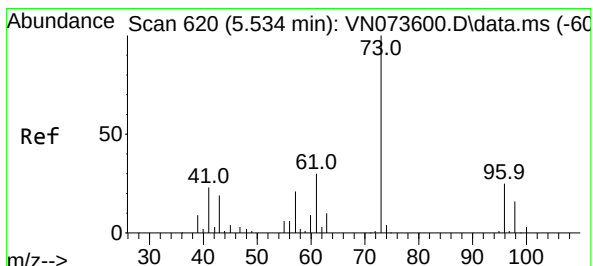
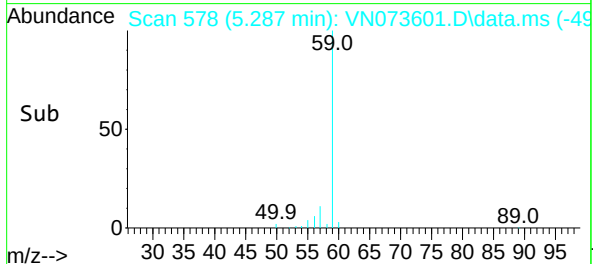
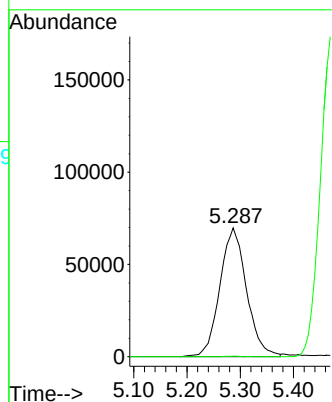
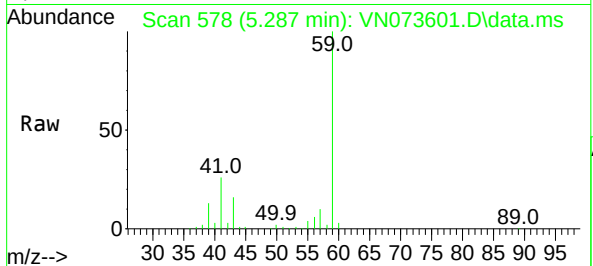
#23
tert-Butyl Alcohol
Concen: 201.286 ug/l
RT: 5.287 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 242650
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

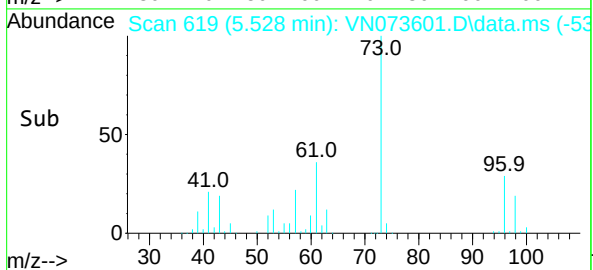
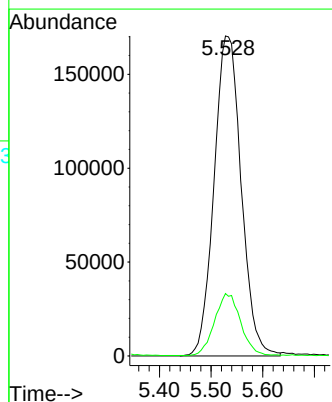
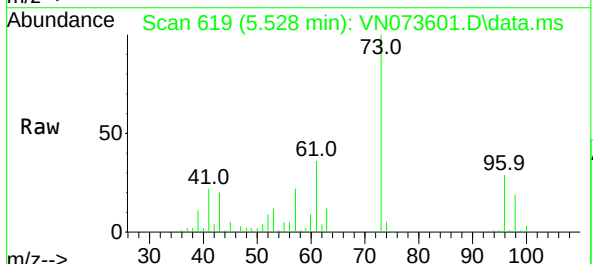
Manual Integrations
APPROVED

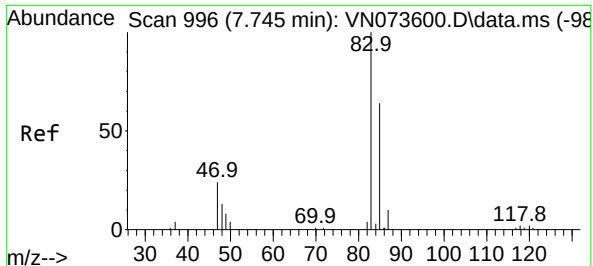
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#24
Methyl tert-Butyl Ether
Concen: 44.446 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

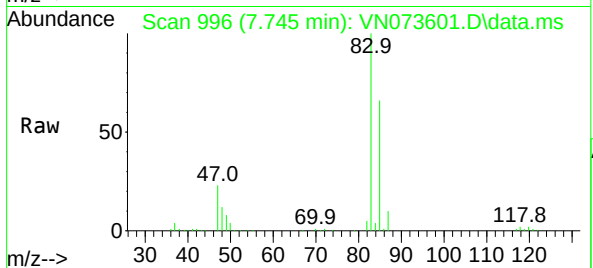
Tgt Ion: 73 Resp: 621018
Ion Ratio Lower Upper
73 100
43 18.6 18.1 27.1





#25
Chloroform
Concen: 47.606 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

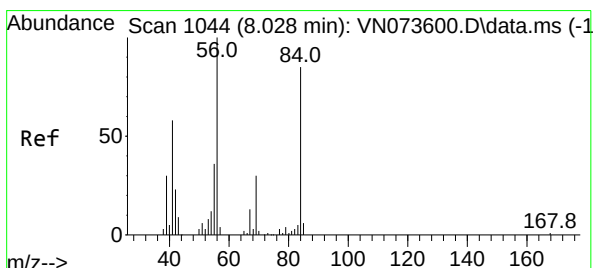
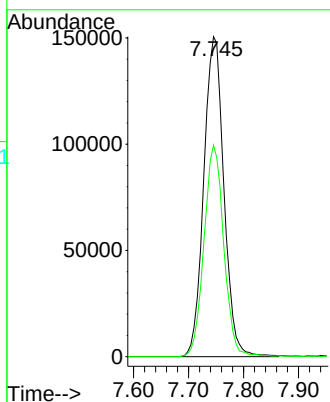
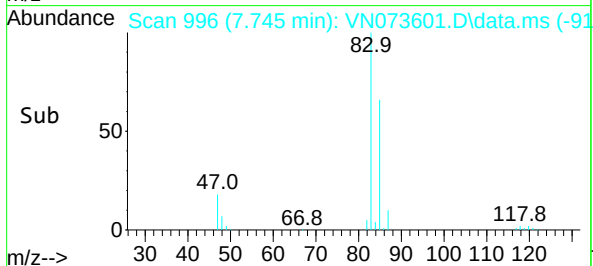
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 83 Resp: 383604
Ion Ratio Lower Upper
83 100
85 66.1 51.3 76.9

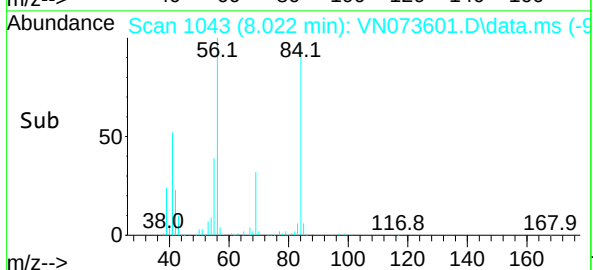
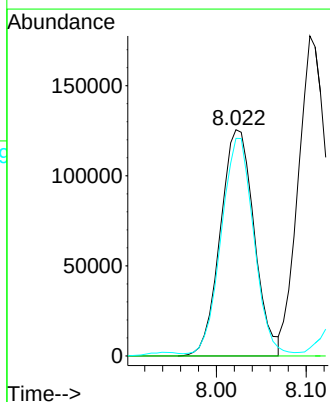
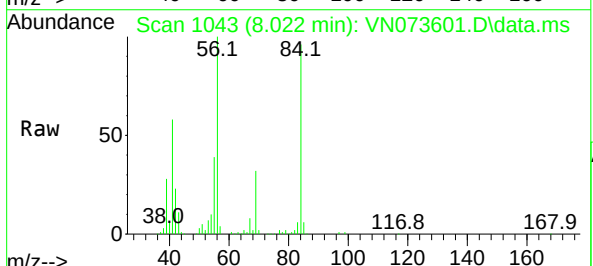
Manual Integrations
APPROVED

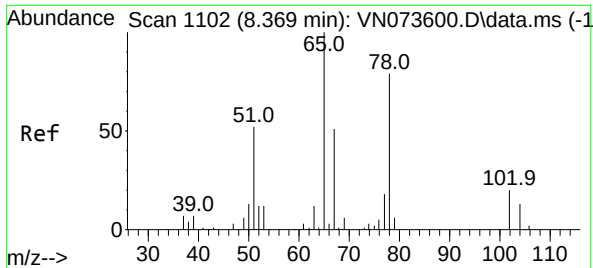
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#26
Cyclohexane
Concen: 47.105 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

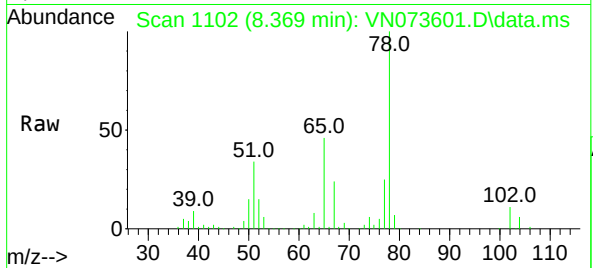
Tgt Ion: 56 Resp: 328665
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 93.7 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 26.988 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

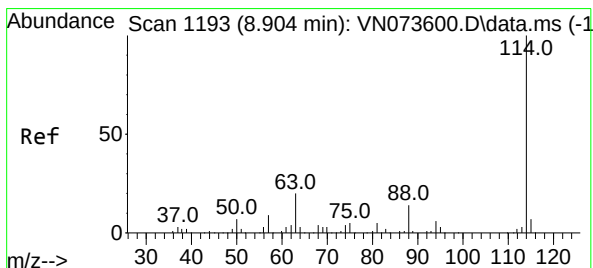
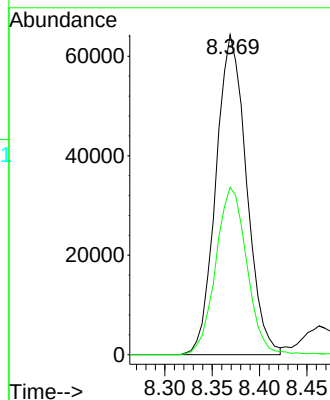
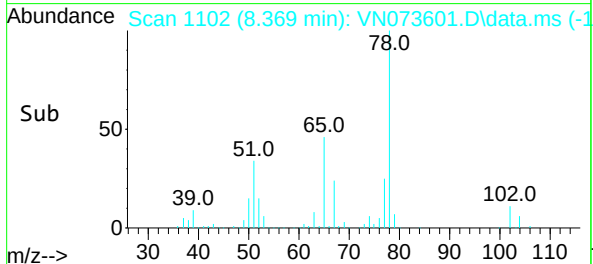
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



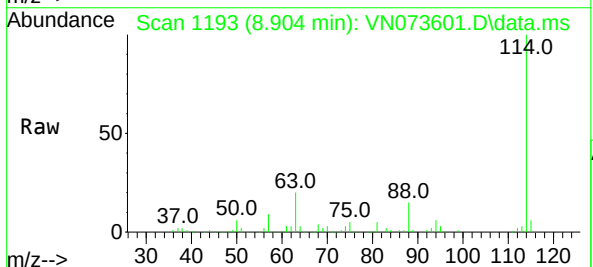
Tgt Ion: 65 Resp: 14421
Ion Ratio Lower Upper
65 100
67 53.1 40.2 60.2

Manual Integrations
APPROVED

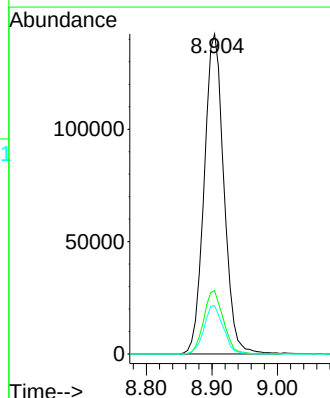
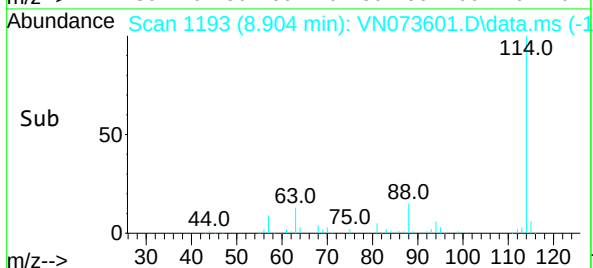
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

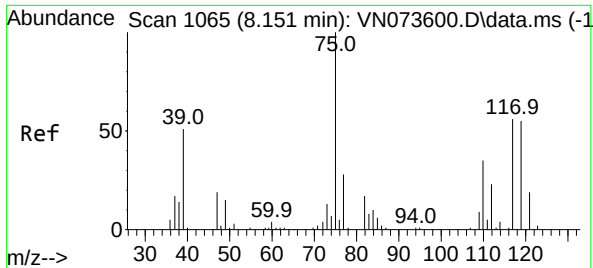


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion:114 Resp: 297954
Ion Ratio Lower Upper
114 100
63 19.7 15.8 23.6
88 14.8 11.6 17.4





#29
1,1-Dichloropropene
Concen: 51.890 ug/l
RT: 8.151 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

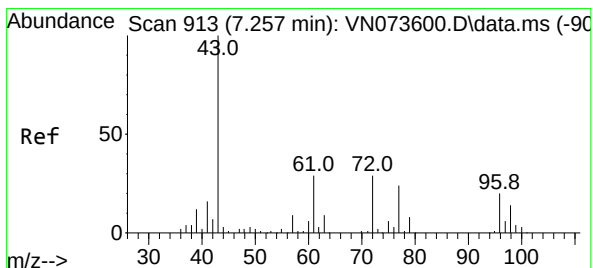
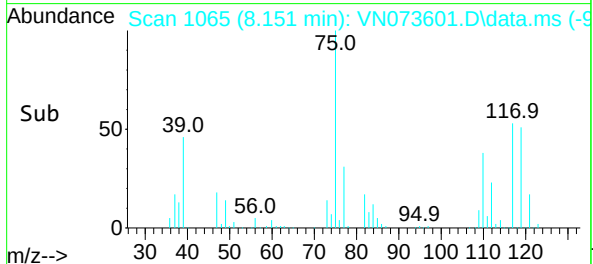
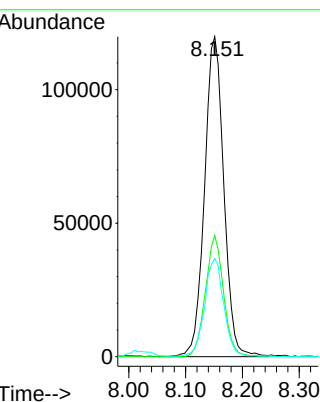
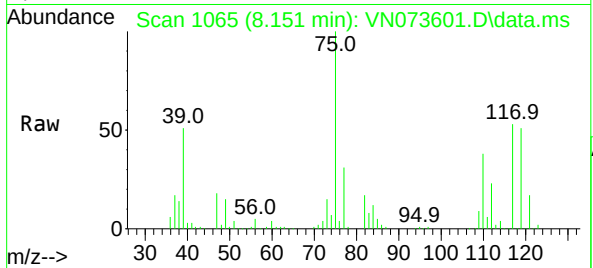
Tgt Ion: 75 Resp: 282599
Ion Ratio Lower Upper
75 100
110 35.7 0.0 74.2
77 30.2 0.0 63.2

Manual Integrations

APPROVED

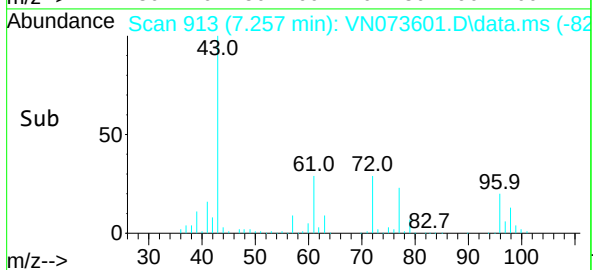
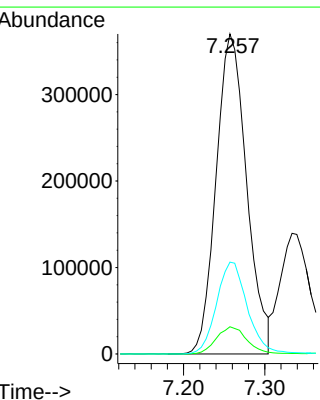
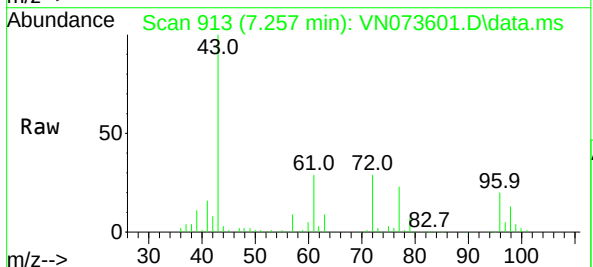
Reviewed By :John Carlone 07/28/2022

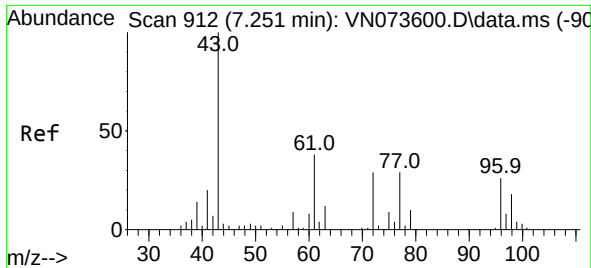
Supervised By :Mahesh Dadoda 07/28/2022



#30
2-Butanone
Concen: 236.354 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Tgt Ion: 43 Resp: 967211
Ion Ratio Lower Upper
43 100
57 8.6 6.7 10.1
72 29.1 23.2 34.8





#31

2,2-Dichloropropane

Concen: 88.012 ug/l

RT: 7.245 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 77 Resp: 285174

Ion Ratio Lower Upper

77 100

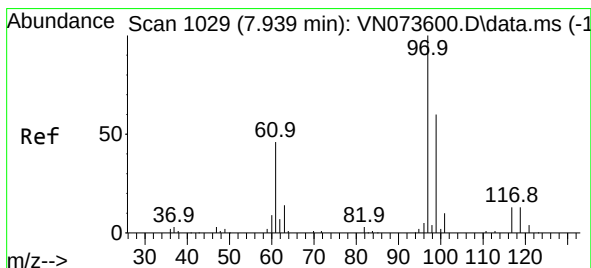
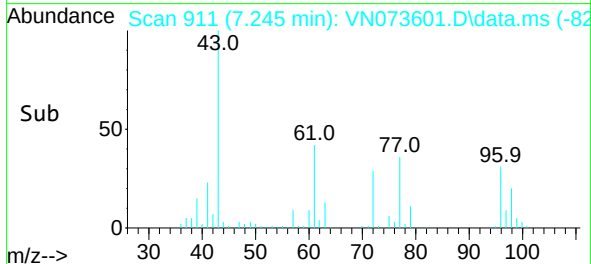
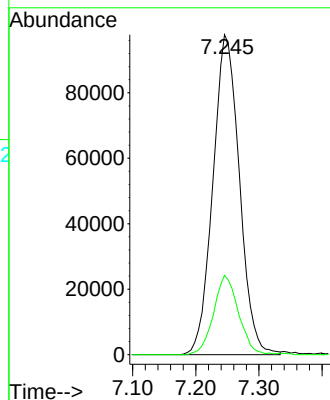
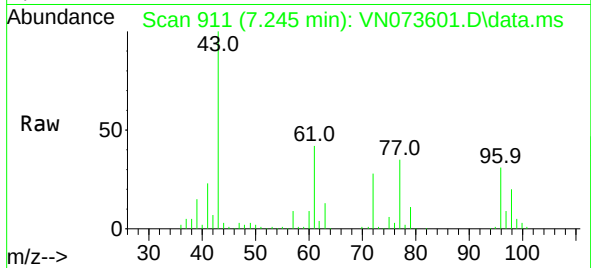
97 23.1 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#32

1,1,1-Trichloroethane

Concen: 47.515 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

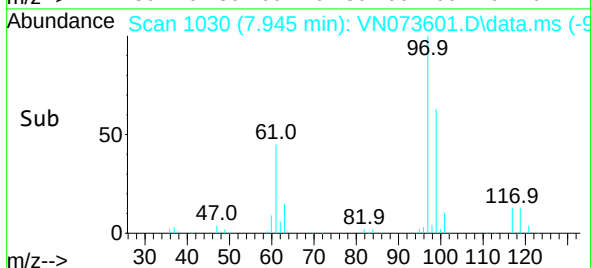
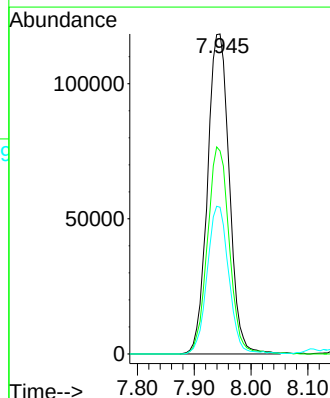
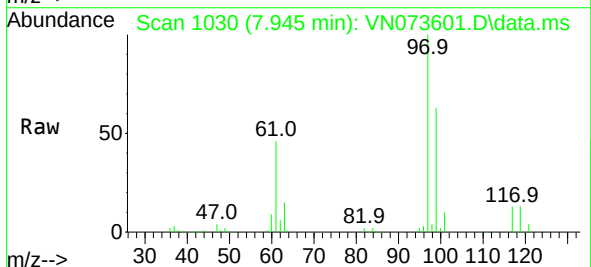
Tgt Ion: 97 Resp: 314927

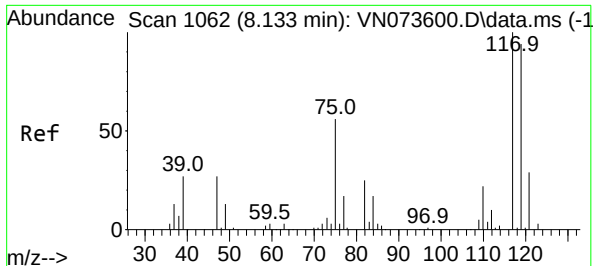
Ion Ratio Lower Upper

97 100

99 64.2 50.4 75.6

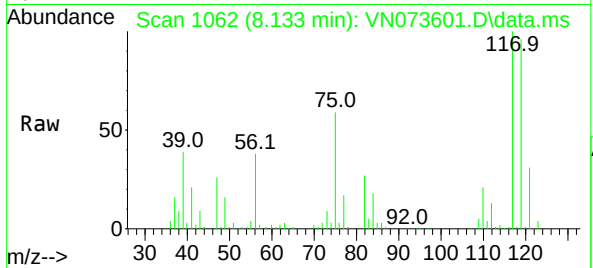
61 45.6 34.6 51.8





#33
Carbon Tetrachloride
Concen: 48.613 ug/l
RT: 8.133 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

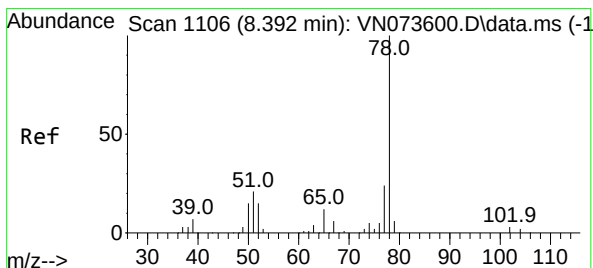
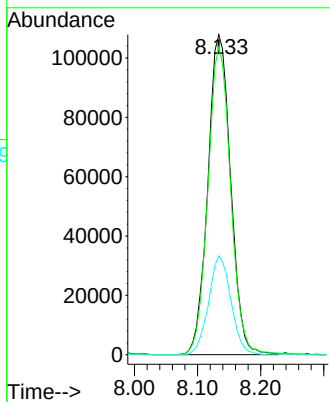
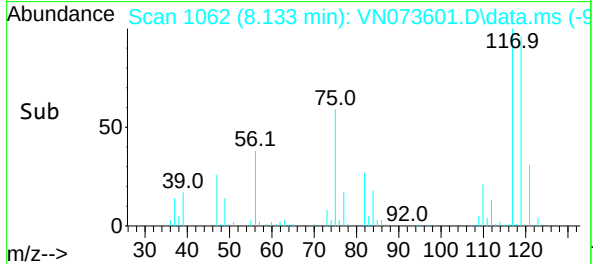
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



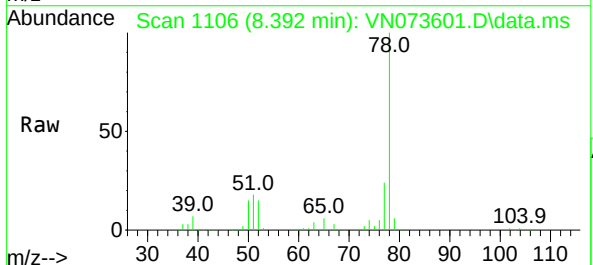
Tgt Ion:117 Resp: 271688
Ion Ratio Lower Upper
117 100
119 96.1 77.5 116.3
121 30.9 23.5 35.3

Manual Integrations
APPROVED

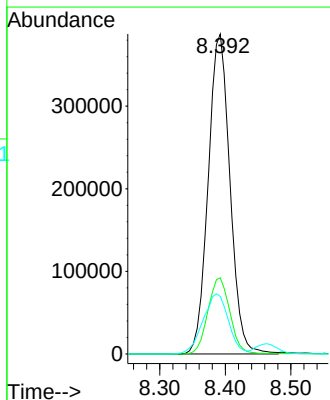
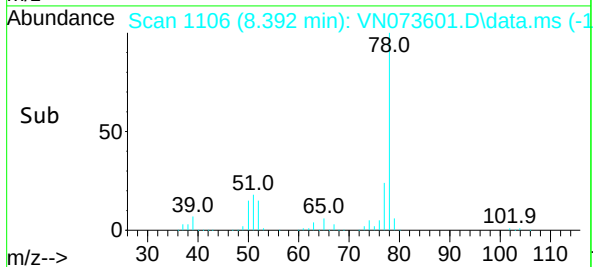
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

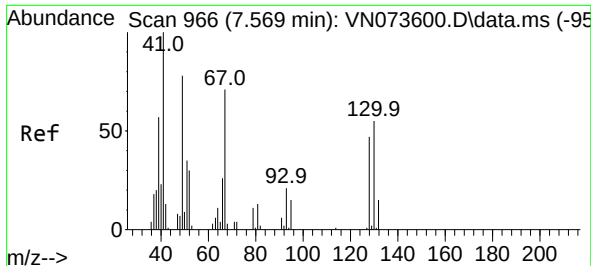


#34
Benzene
Concen: 52.384 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



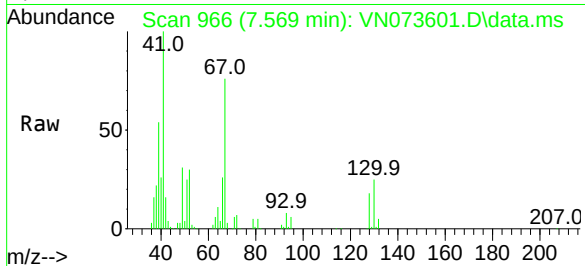
Tgt Ion: 78 Resp: 892787
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7
51 17.9 16.0 24.0





#35
Methacrylonitrile
Concen: 42.932 ug/l
RT: 7.569 min Scan# 966
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

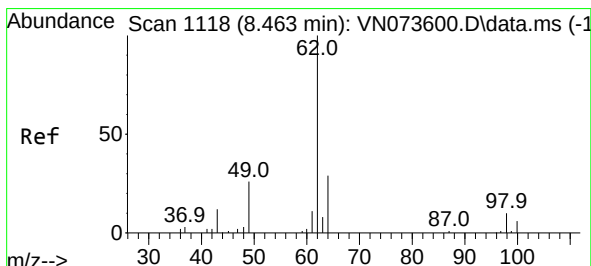
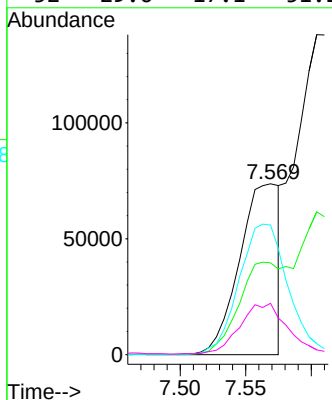
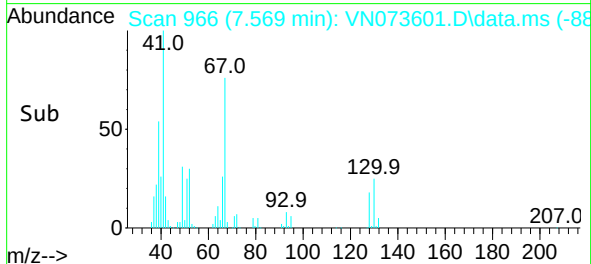
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC050



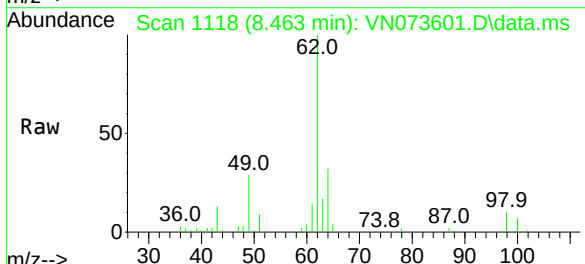
Tgt Ion: 41 Resp: 15660
Ion Ratio Lower Upper
41 100
39 53.4 28.0 83.9
67 75.9 37.7 113.1
52 29.6 17.1 51.2

Manual Integrations
APPROVED

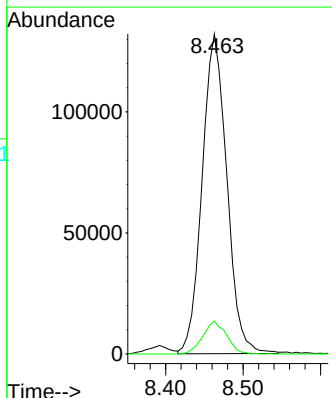
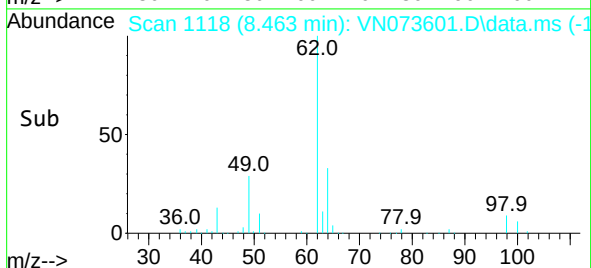
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

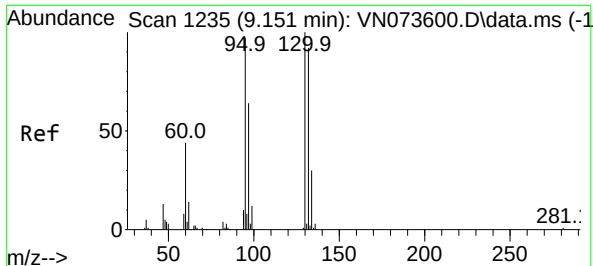


#36
1,2-Dichloroethane
Concen: 47.201 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion: 62 Resp: 292759
Ion Ratio Lower Upper
62 100
98 9.8 6.6 10.0





#37

Trichloroethene

Concen: 51.262 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion:130 Resp: 21688

Ion Ratio Lower Upper

130 100

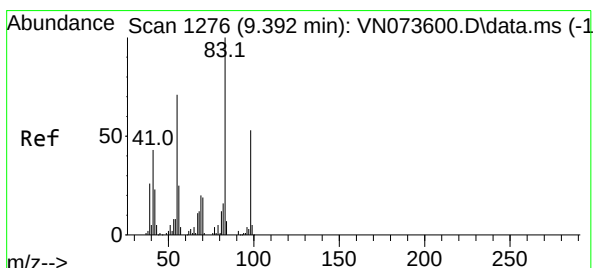
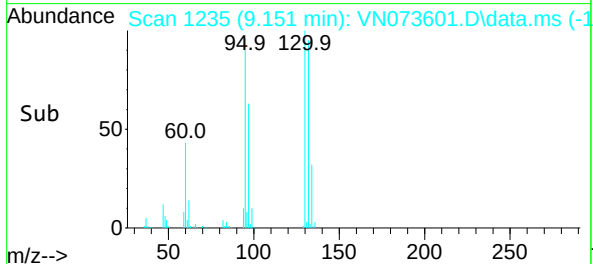
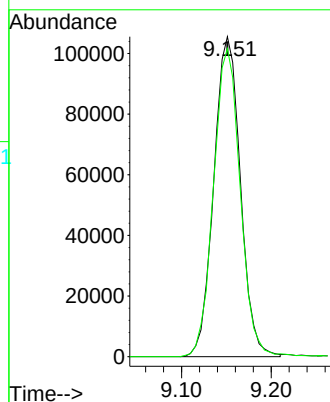
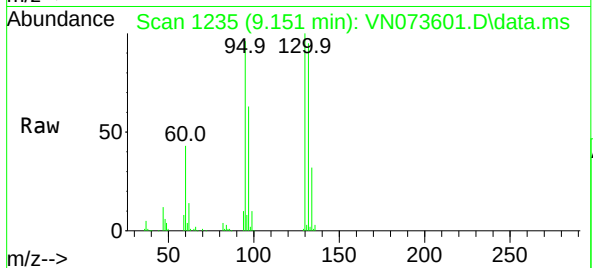
95 96.3 76.6 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#38

Methylcyclohexane

Concen: 54.603 ug/l

RT: 9.398 min Scan# 1277

Delta R.T. 0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

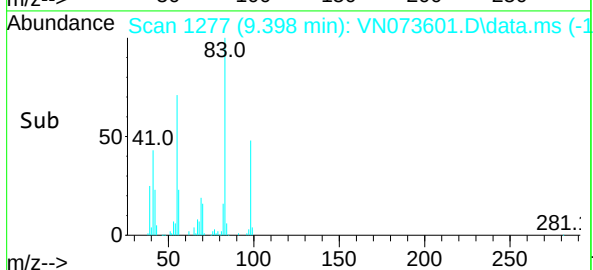
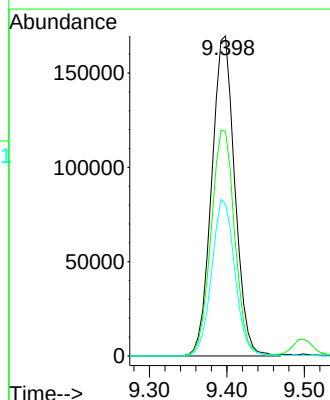
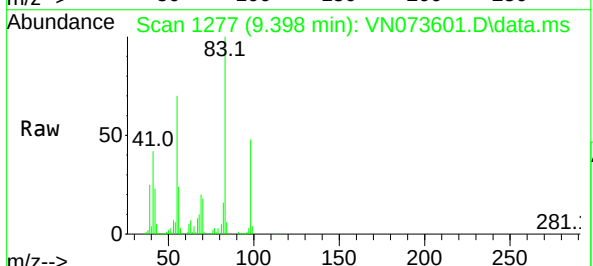
Tgt Ion: 83 Resp: 352014

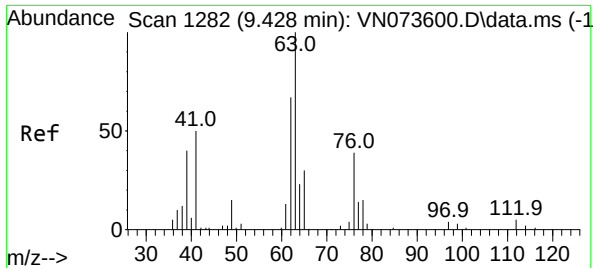
Ion Ratio Lower Upper

83 100

55 72.0 35.1 105.3

98 49.0 23.4 70.2





#39

1,2-Dichloropropane

Concen: 51.107 ug/l

RT: 9.428 min Scan# 1282

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 225060

Ion Ratio Lower Upper

63 100

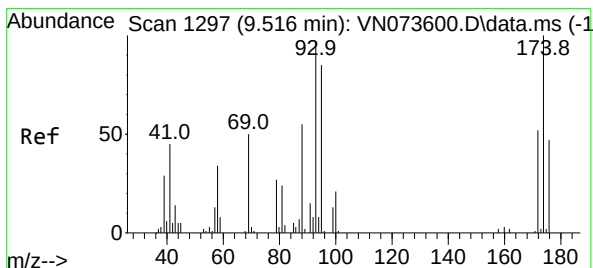
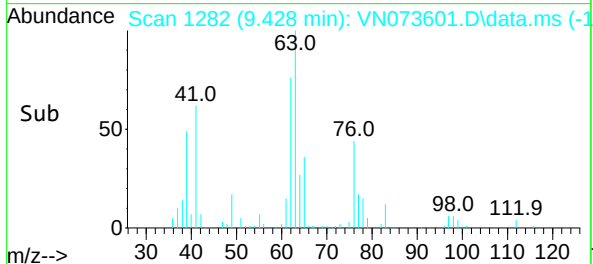
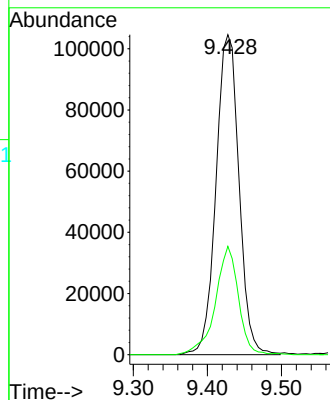
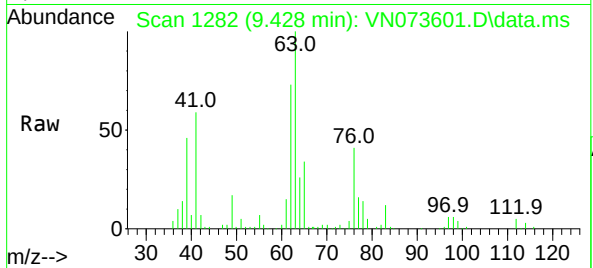
65 33.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#40

Dibromomethane

Concen: 51.294 ug/l

RT: 9.516 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

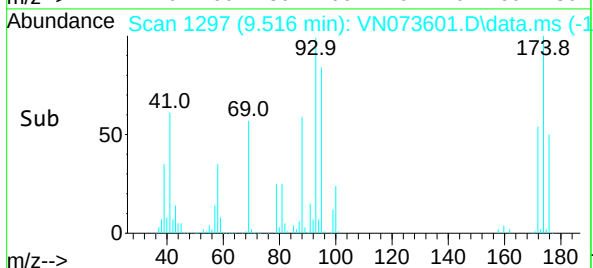
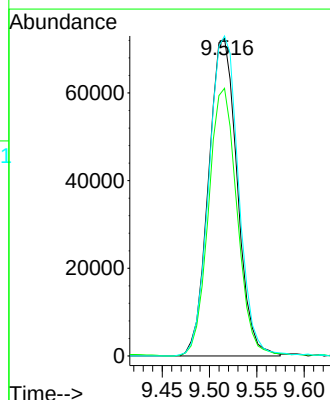
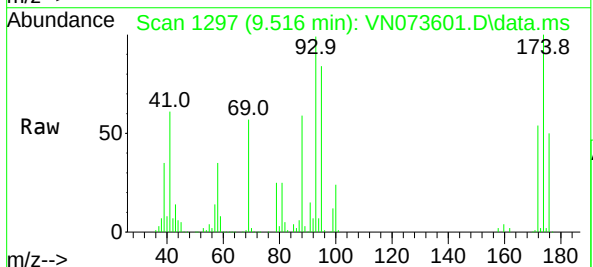
Tgt Ion: 93 Resp: 152503

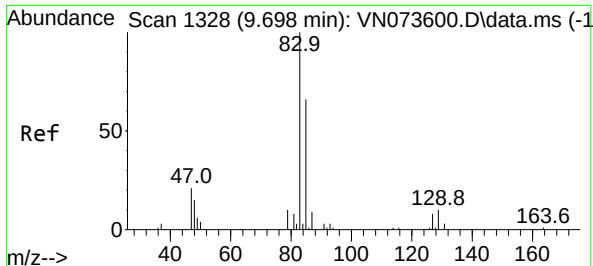
Ion Ratio Lower Upper

93 100

95 83.6 0.0 168.8

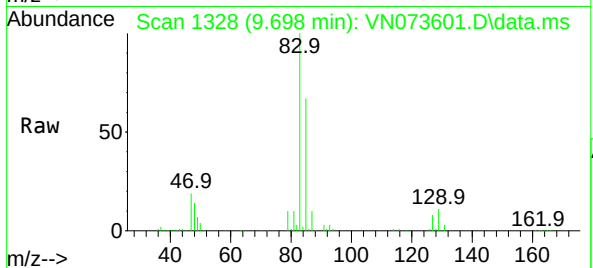
174 103.7 0.0 173.6





#41
Bromodichloromethane
Concen: 49.311 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

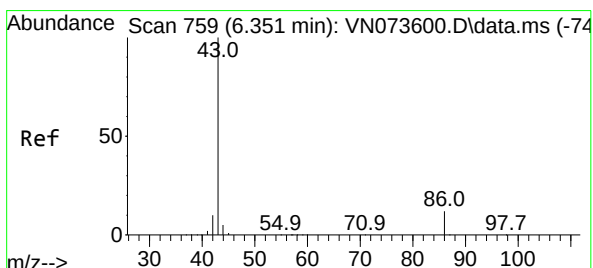
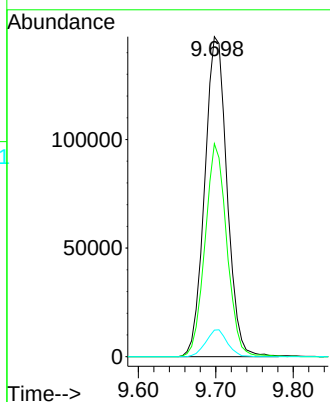
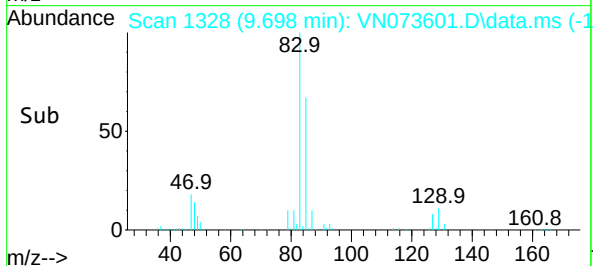
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



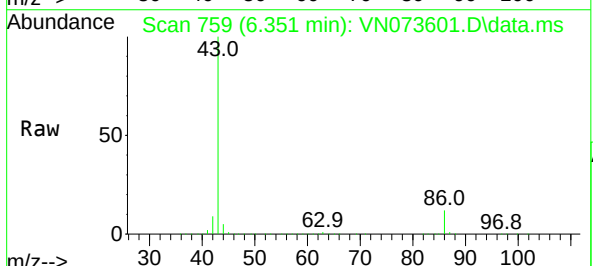
Tgt Ion: 83 Resp: 294889
Ion Ratio Lower Upper
83 100
85 66.5 54.1 81.1
127 8.3 7.6 11.4

Manual Integrations
APPROVED

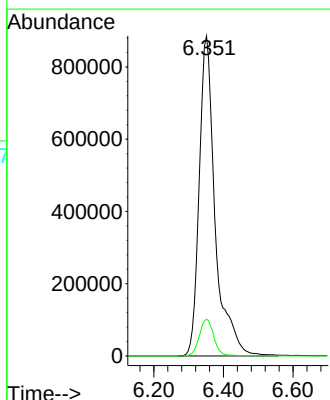
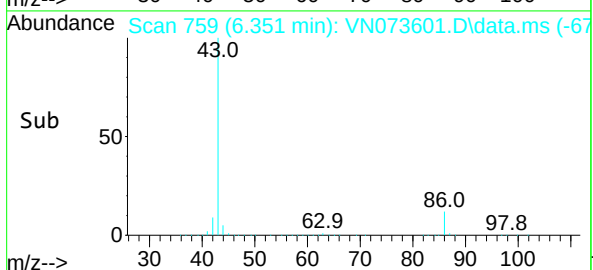
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

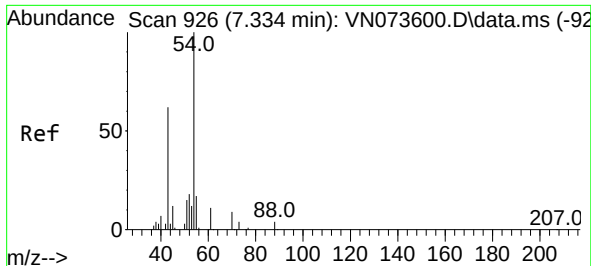


#42
Vinyl Acetate
Concen: 226.168 ug/l
RT: 6.351 min Scan# 759
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



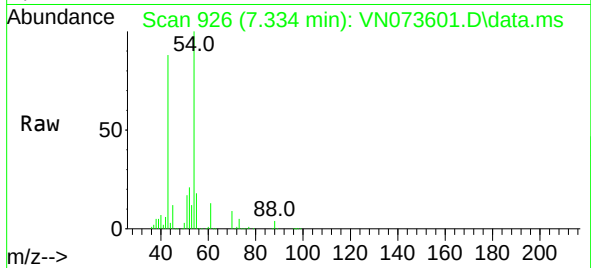
Tgt Ion: 43 Resp: 2830661
Ion Ratio Lower Upper
43 100
86 10.4 7.5 11.3





#43
Ethyl Acetate
Concen: 50.166 ug/l
RT: 7.334 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

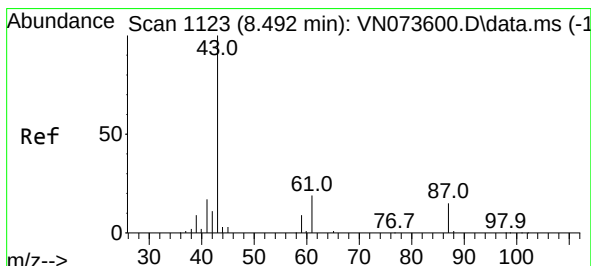
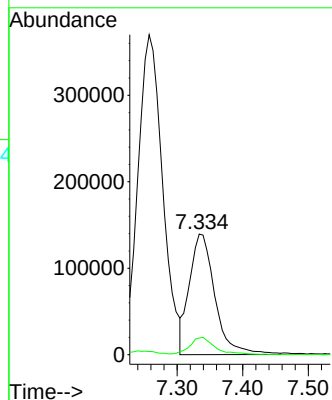
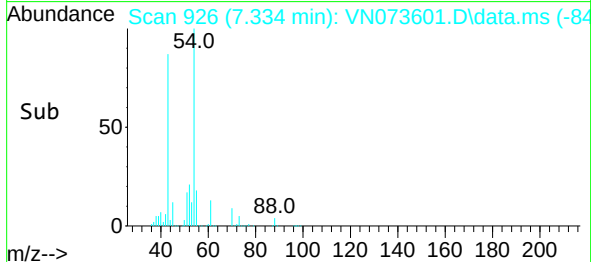
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



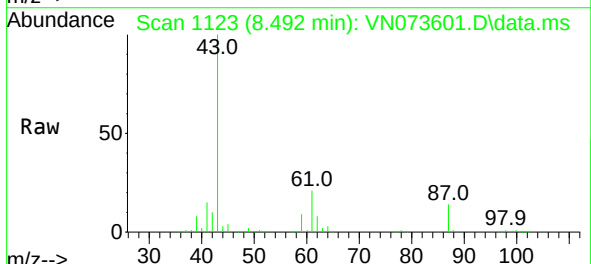
Tgt Ion: 43 Resp: 377614
Ion Ratio Lower Upper
43 100
45 13.4 10.6 16.0

Manual Integrations
APPROVED

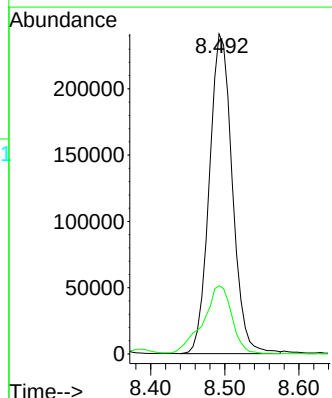
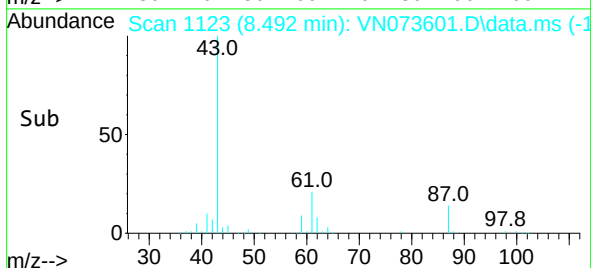
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

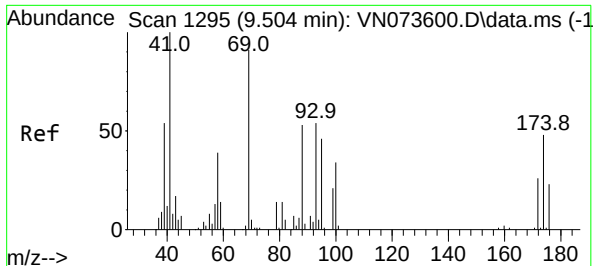


#44
Isopropyl Acetate
Concen: 44.233 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion: 43 Resp: 519721
Ion Ratio Lower Upper
43 100
61 27.0 20.1 30.1





#45

1,4-Dioxane

Concen: 1124.173 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 88 Resp: 124272

Ion Ratio Lower Upper

88 100

43 28.2 25.0 37.6

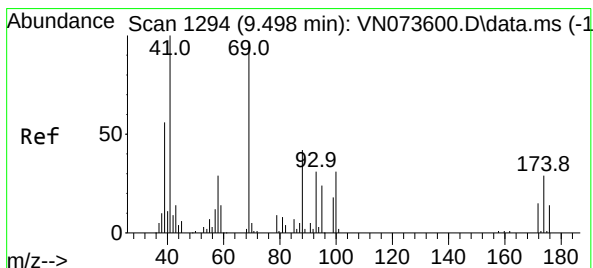
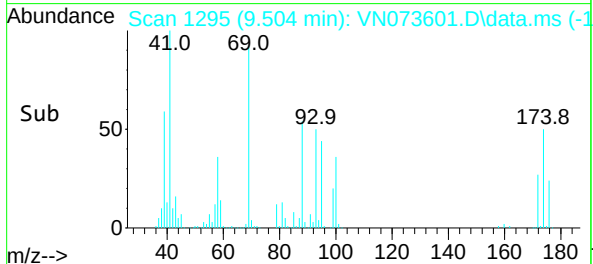
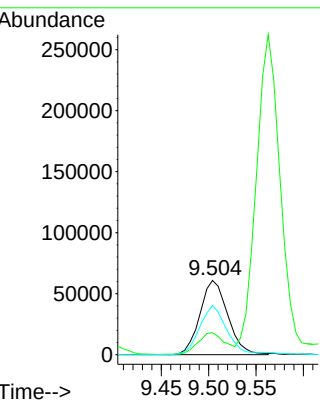
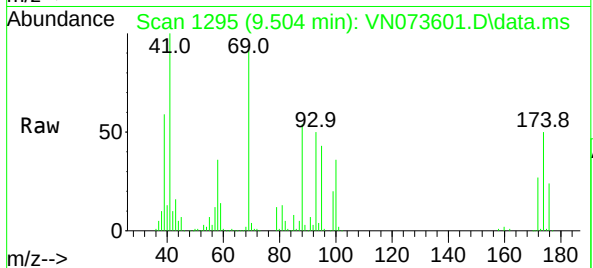
58 66.2 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#46

Methyl methacrylate

Concen: 42.807 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

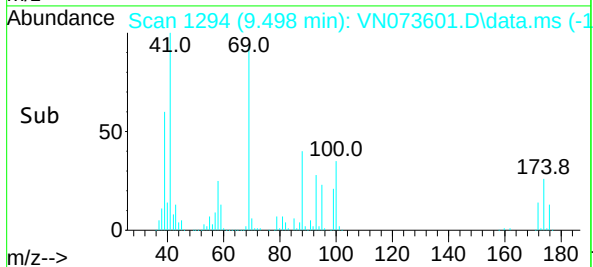
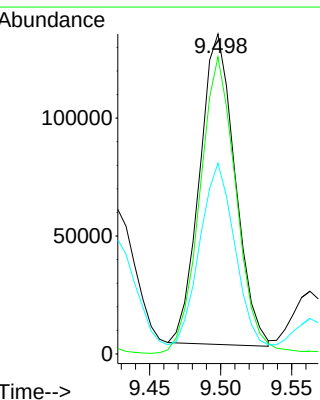
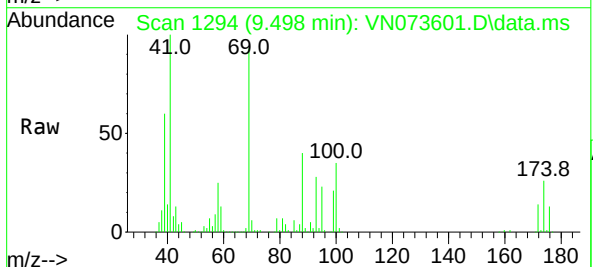
Tgt Ion: 41 Resp: 228364

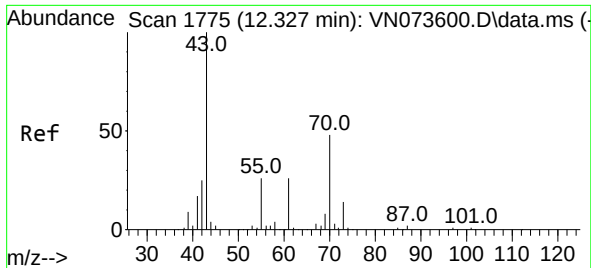
Ion Ratio Lower Upper

41 100

69 94.9 44.4 133.2

39 58.8 39.9 119.6





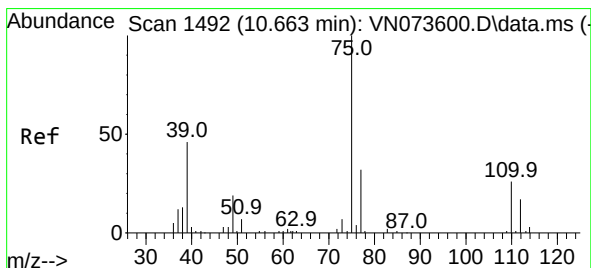
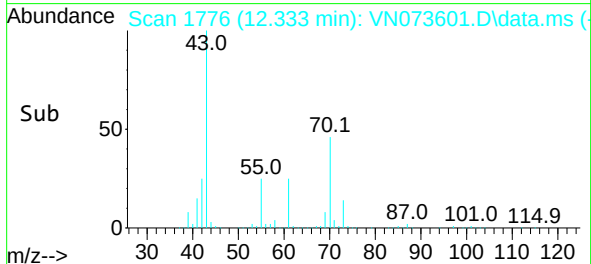
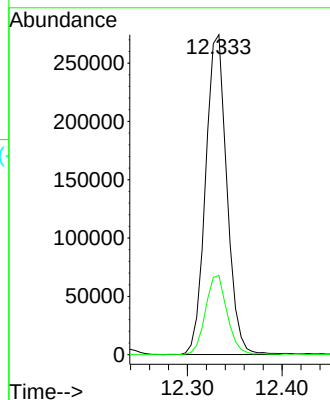
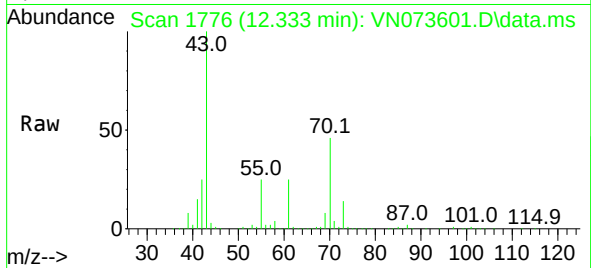
#47
n-amy1 Acetate
Concen: 45.515 ug/l
RT: 12.333 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 427188
Ion Ratio Lower Upper
43 100
55 25.2 19.0 28.6

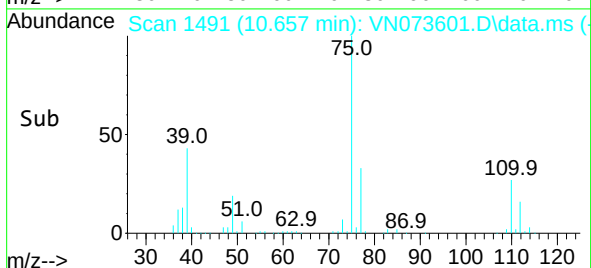
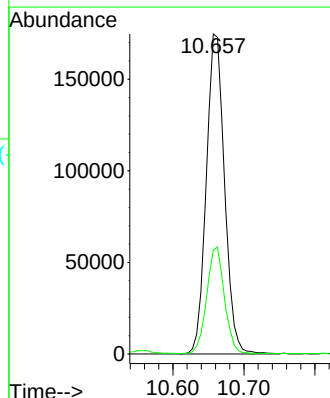
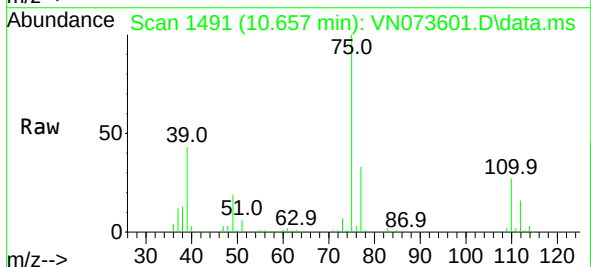
Manual Integrations
APPROVED

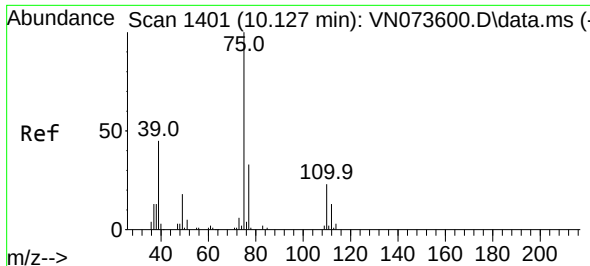
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#48
t-1,3-Dichloropropene
Concen: 55.524 ug/l
RT: 10.657 min Scan# 1491
Delta R.T. -0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

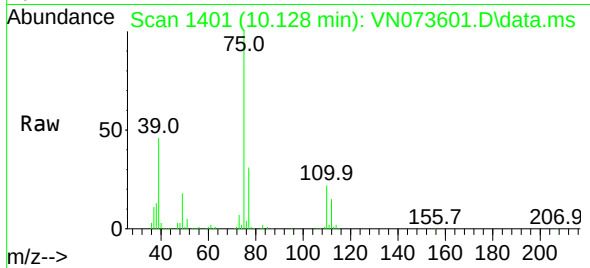
Tgt Ion: 75 Resp: 312702
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 56.204 ug/l
RT: 10.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

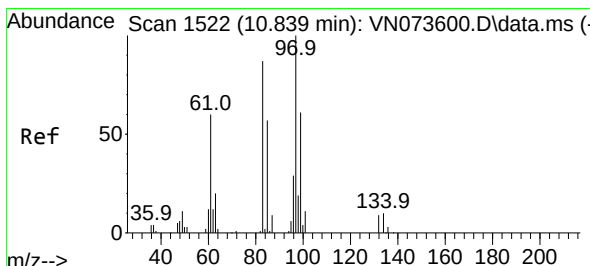
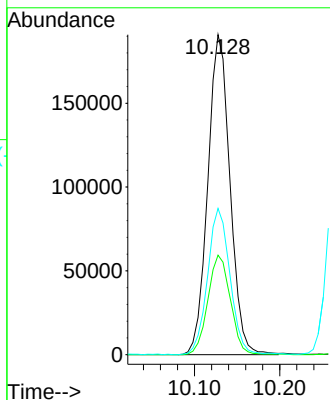
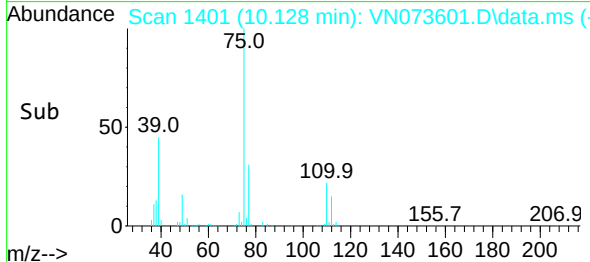
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 75 Resp: 346390
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9
39 45.7 46.2 69.4

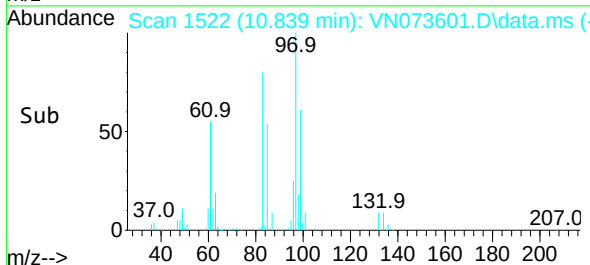
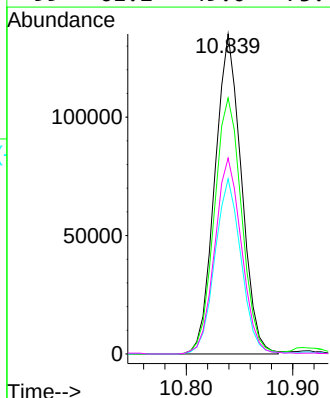
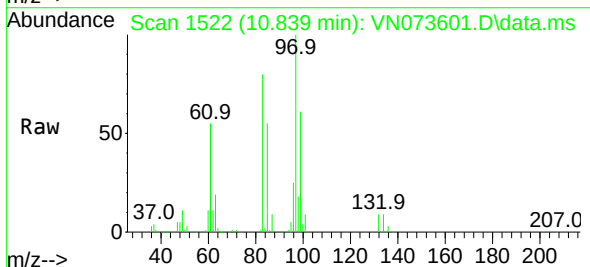
Manual Integrations
APPROVED

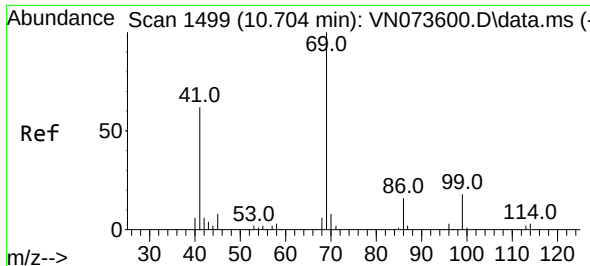
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#50
1,1,2-Trichloroethane
Concen: 54.147 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

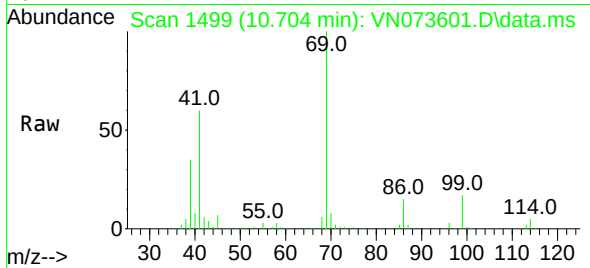
Tgt Ion: 97 Resp: 233641
Ion Ratio Lower Upper
97 100
83 80.0 67.2 100.8
85 54.7 43.0 64.4
99 61.2 49.0 73.4





#51
Ethyl methacrylate
Concen: 50.520 ug/l
RT: 10.704 min Scan# 1499
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

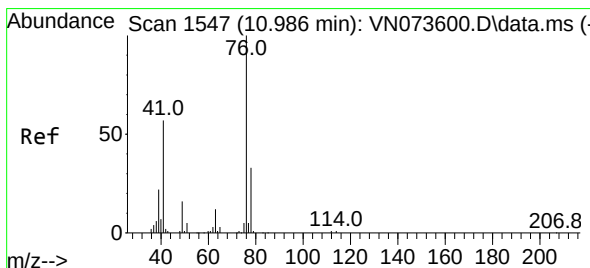
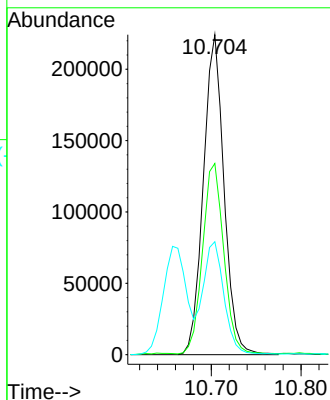
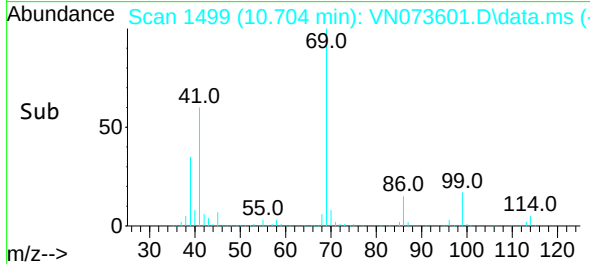
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



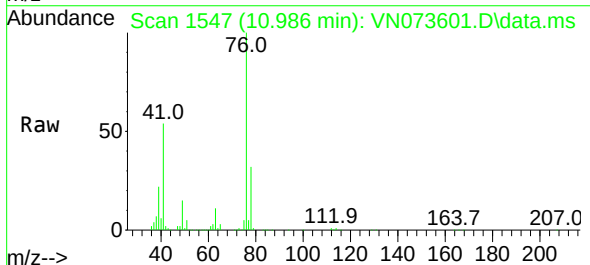
Tgt Ion: 69 Resp: 359312
Ion Ratio Lower Upper
69 100
41 59.5 33.0 98.9
39 35.0 25.4 76.4

Manual Integrations
APPROVED

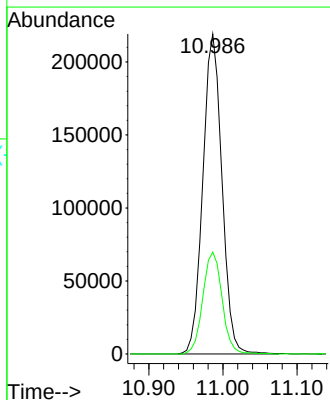
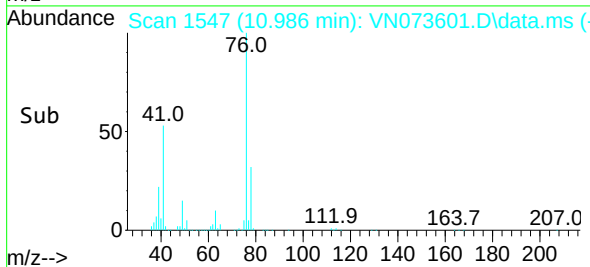
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

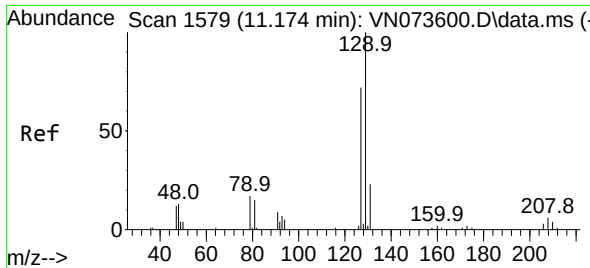


#52
1,3-Dichloropropane
Concen: 52.955 ug/l
RT: 10.986 min Scan# 1547
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



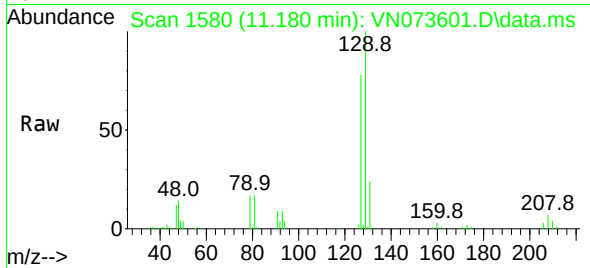
Tgt Ion: 76 Resp: 392982
Ion Ratio Lower Upper
76 100
78 32.0 0.0 65.4





#53
Dibromochloromethane
Concen: 52.270 ug/l
RT: 11.180 min Scan# 1579
Delta R.T. 0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

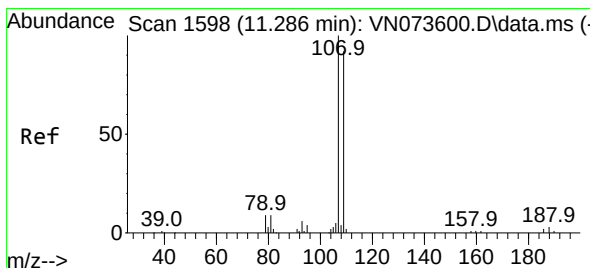
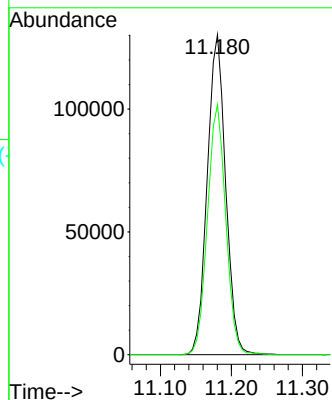
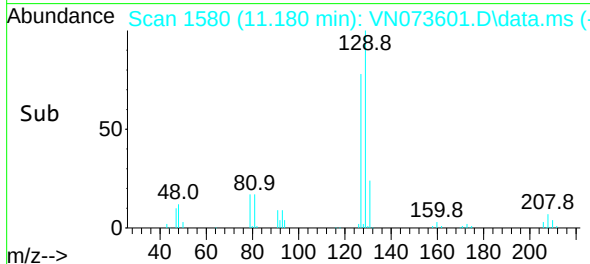
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



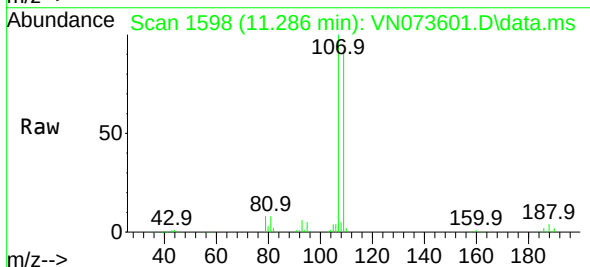
Tgt Ion:129 Resp: 235050
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0

Manual Integrations
APPROVED

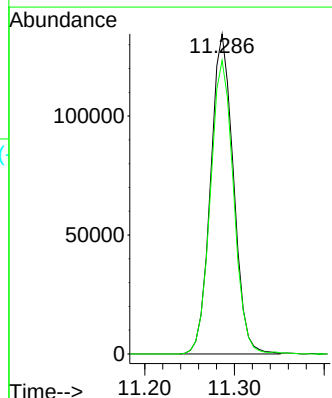
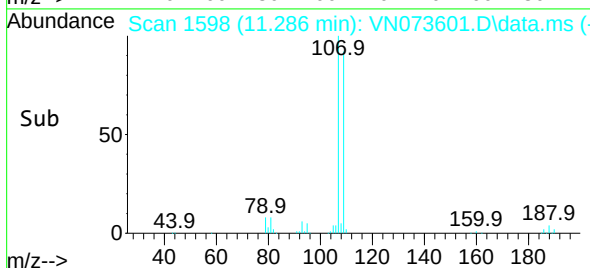
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

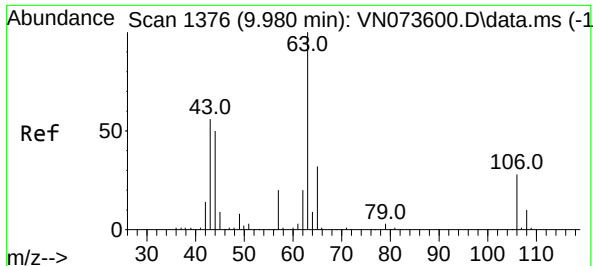


#54
1,2-Dibromoethane
Concen: 52.655 ug/l
RT: 11.286 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion:107 Resp: 237615
Ion Ratio Lower Upper
107 100
109 93.0 72.8 109.2





#55

2-Chloroethyl vinyl ether

Concen: 263.259 ug/l

RT: 9.980 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 804789

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.0

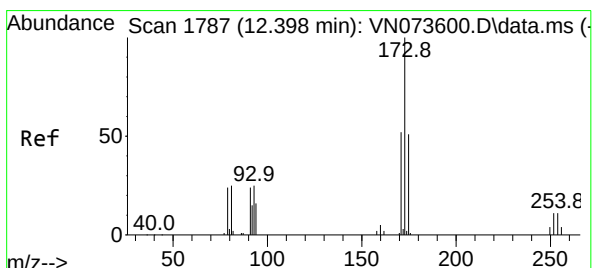
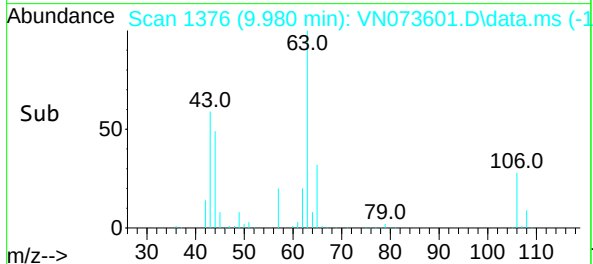
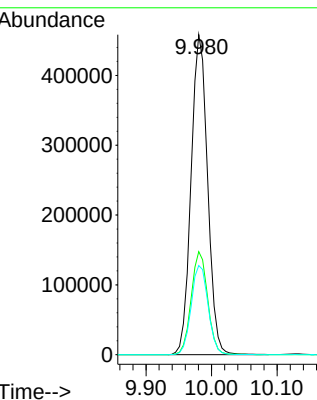
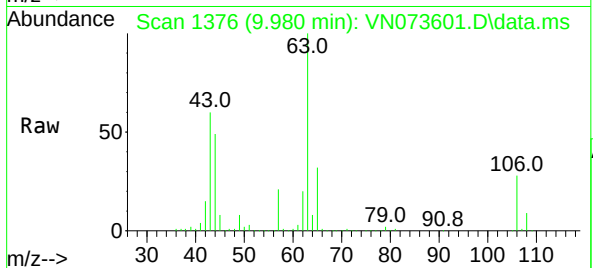
106 28.6 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#56

Bromoform

Concen: 56.457 ug/l

RT: 12.398 min Scan# 1787

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

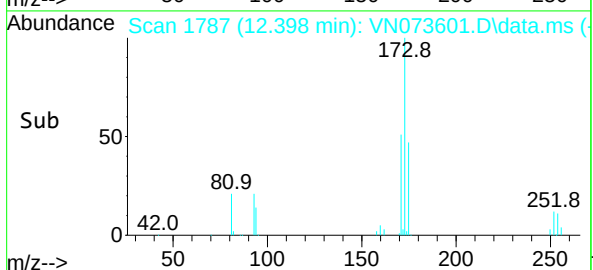
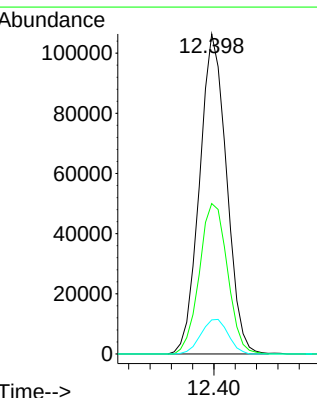
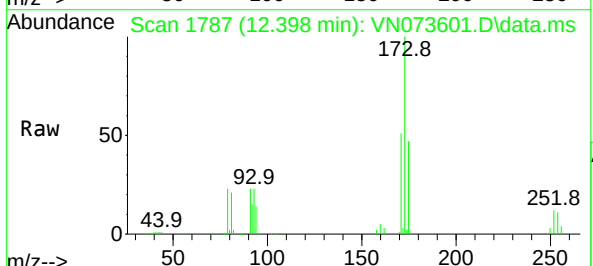
Tgt Ion:173 Resp: 186961

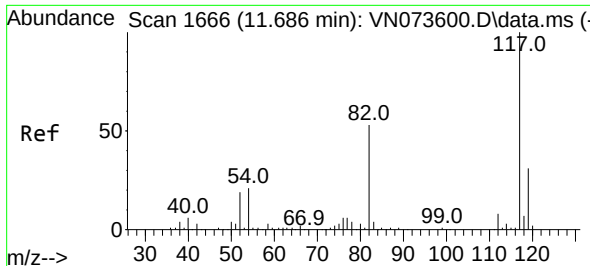
Ion Ratio Lower Upper

173 100

175 48.9 38.6 58.0

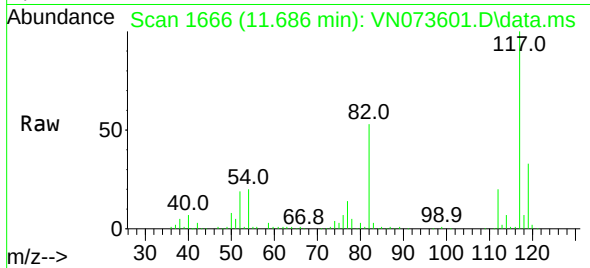
254 10.9 0.0 0.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

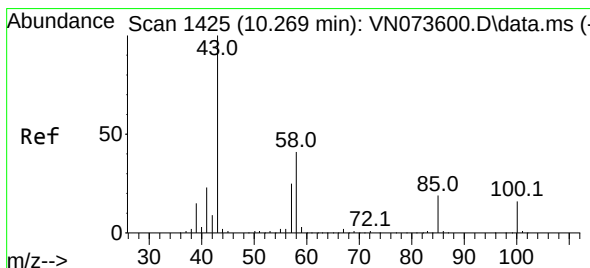
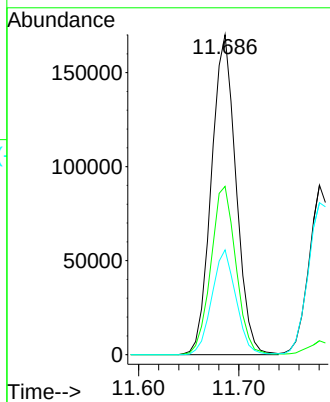
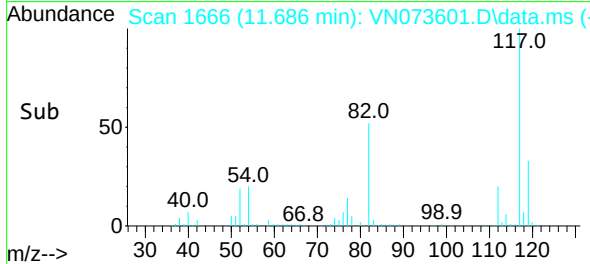
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



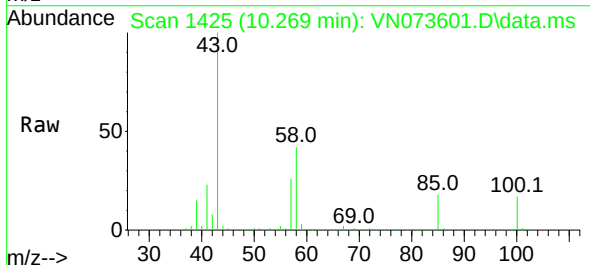
Tgt Ion: 117 Resp: 289914
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.1 25.8 38.6

Manual Integrations
APPROVED

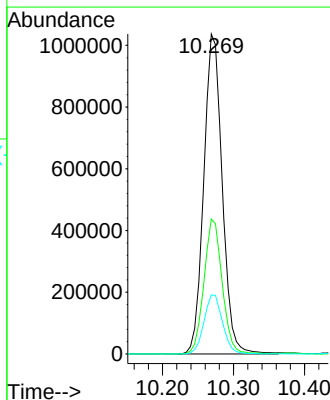
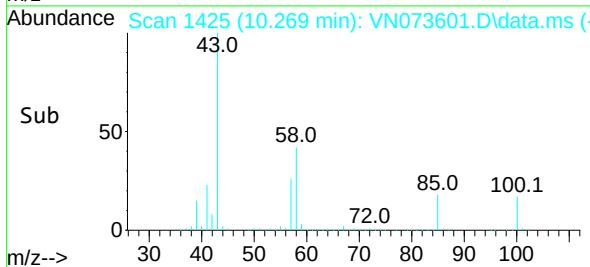
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

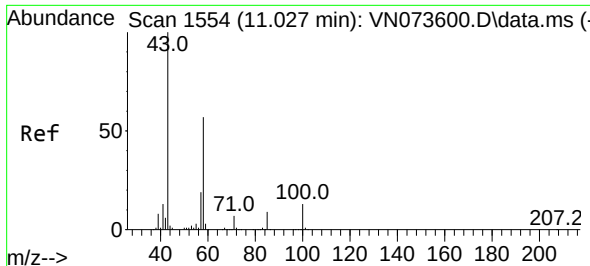


#58
4-Methyl-2-Pentanone
Concen: 227.247 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



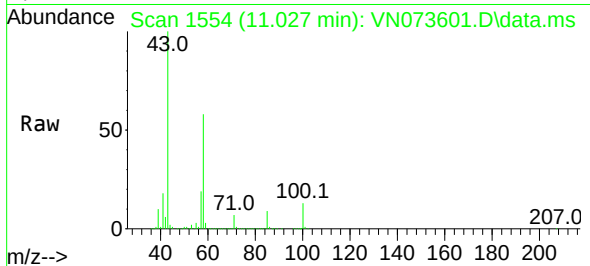
Tgt Ion: 43 Resp: 1876329
Ion Ratio Lower Upper
43 100
58 41.6 30.0 45.0
85 18.6 15.0 22.6





#59
2-Hexanone
Concen: 233.286 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

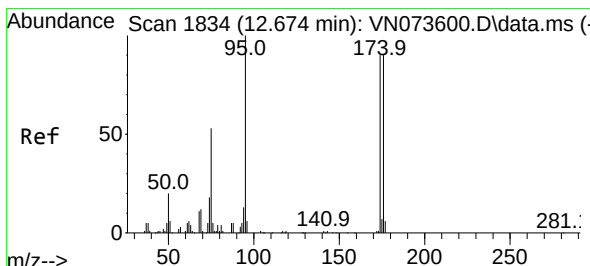
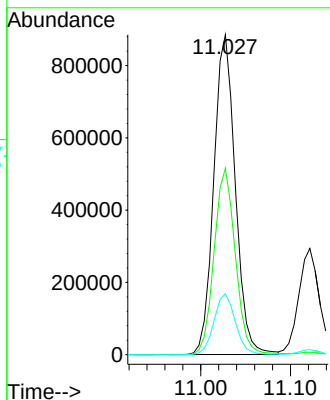
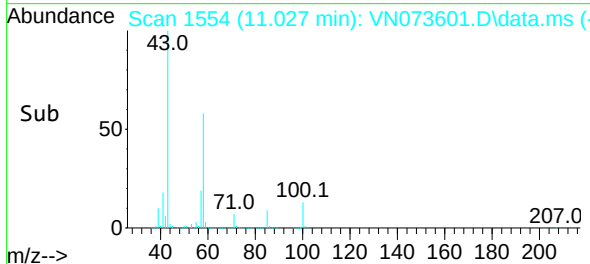
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



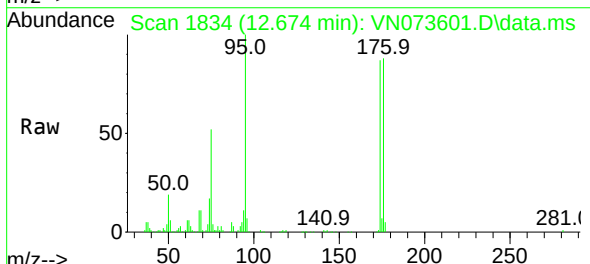
Tgt Ion: 43 Resp: 1472750
Ion Ratio Lower Upper
43 100
58 57.7 42.2 63.2
57 19.0 15.0 22.4

Manual Integrations
APPROVED

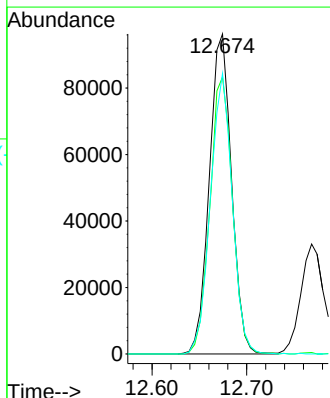
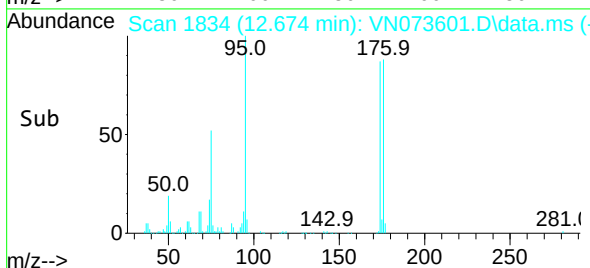
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

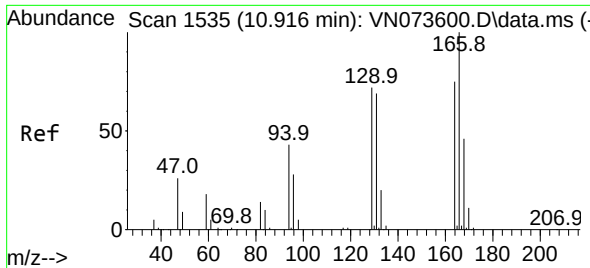


#60
4-Bromofluorobenzene
Concen: 28.611 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



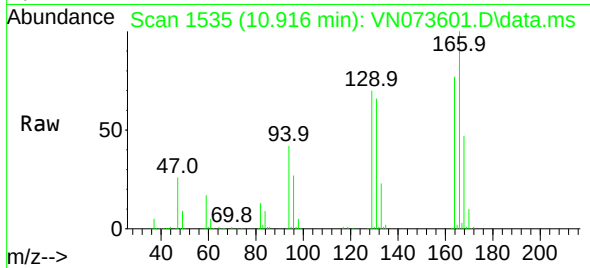
Tgt Ion: 95 Resp: 156964
Ion Ratio Lower Upper
95 100
174 87.5 62.9 94.3
176 86.2 61.0 91.4





#61
Tetrachloroethene
Concen: 55.328 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

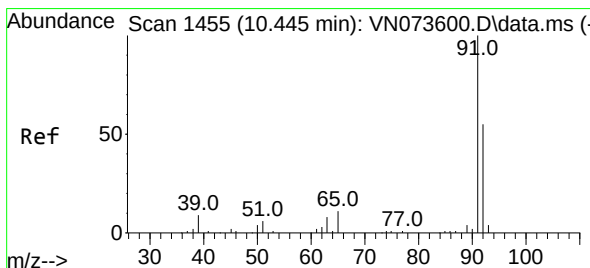
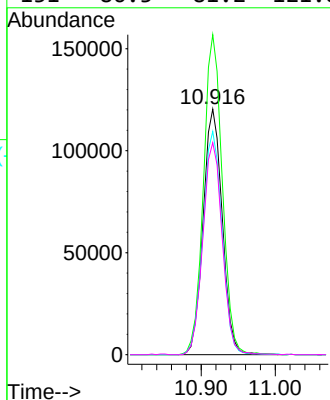
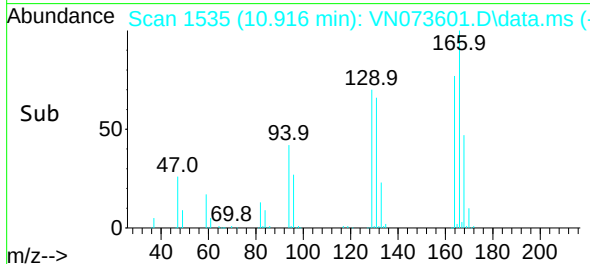
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:164 Resp: 215820
Ion Ratio Lower Upper
164 100
166 130.3 105.8 158.8
129 90.9 82.5 123.7
131 86.3 81.2 121.8

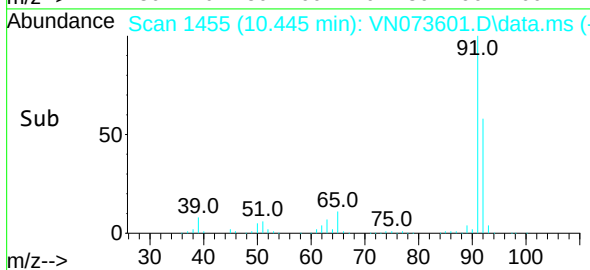
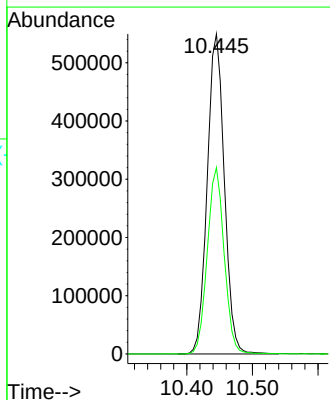
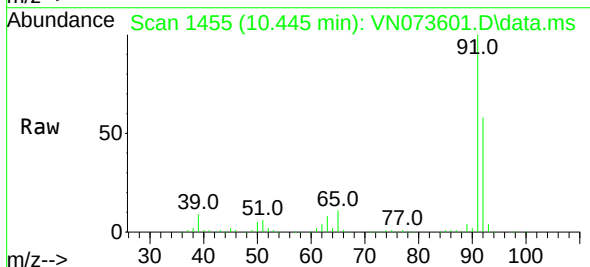
Manual Integrations
APPROVED

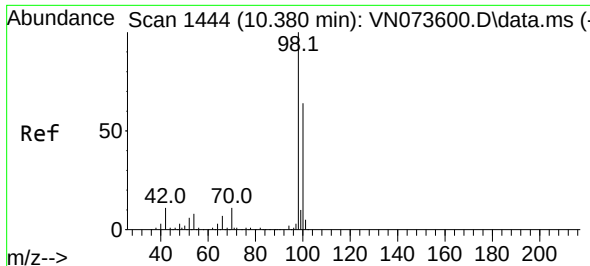
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#62
Toluene
Concen: 51.218 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

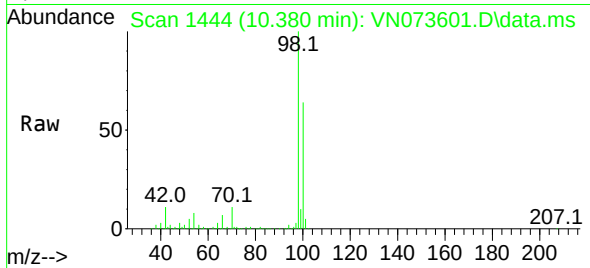
Tgt Ion: 91 Resp: 995700
Ion Ratio Lower Upper
91 100
92 57.5 44.6 67.0





#63
Toluene-d8
Concen: 30.749 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

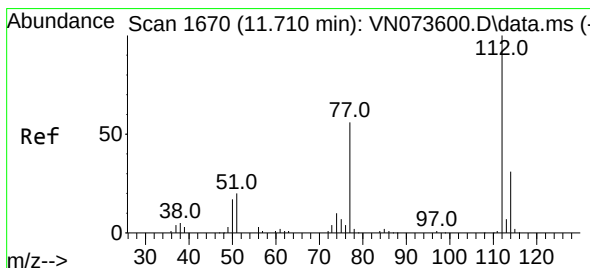
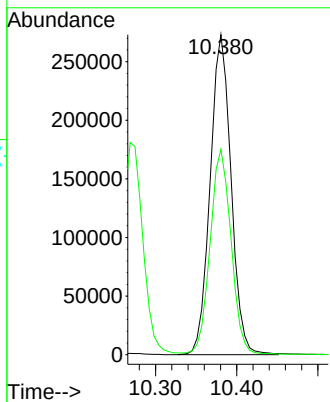
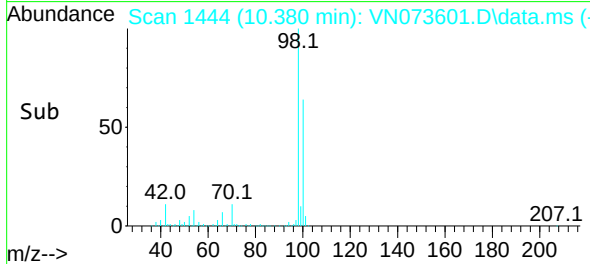
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 98 Resp: 48897
Ion Ratio Lower Upper
98 100
100 64.1 50.6 76.0

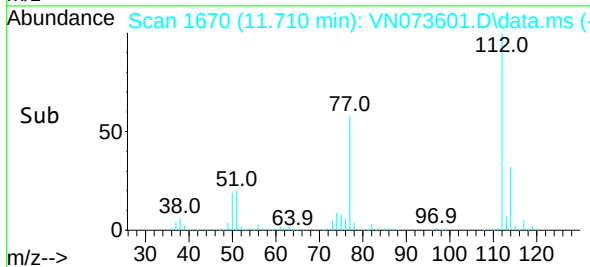
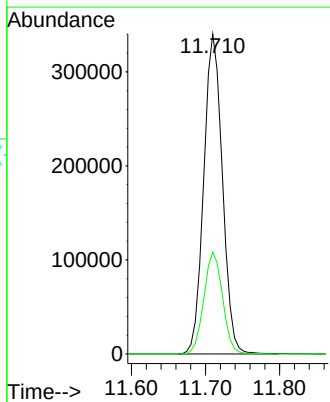
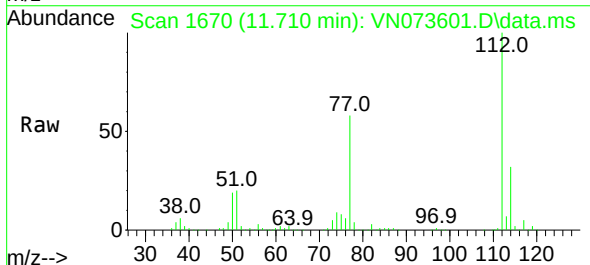
Manual Integrations
APPROVED

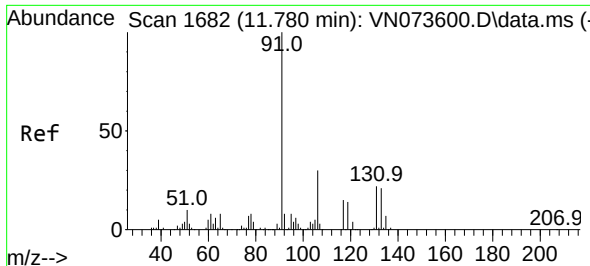
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#64
Chlorobenzene
Concen: 51.085 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

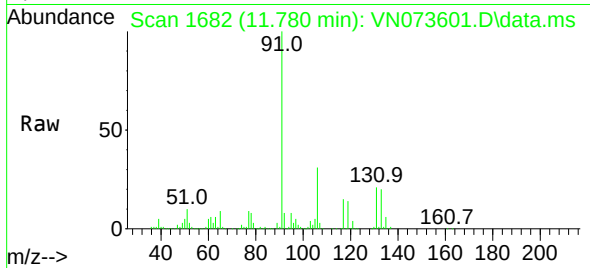
Tgt Ion:112 Resp: 594381
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 49.854 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

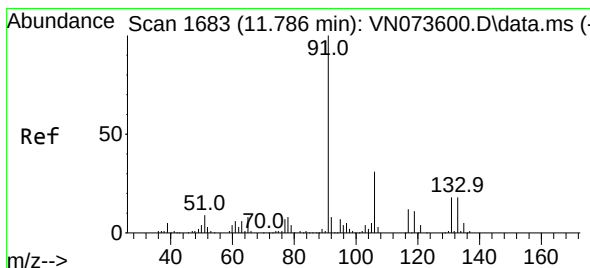
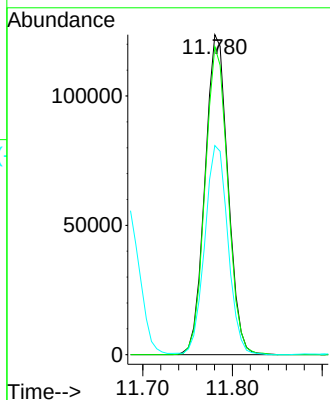
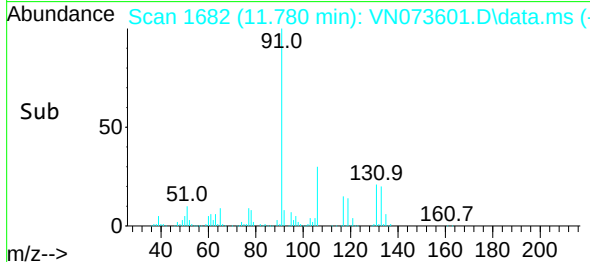
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:131 Resp: 219680
Ion Ratio Lower Upper
131 100
133 95.2 0.0 191.2
119 66.1 0.0 128.8

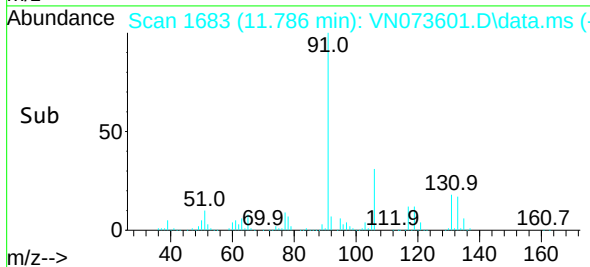
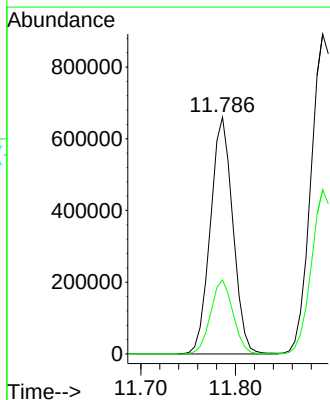
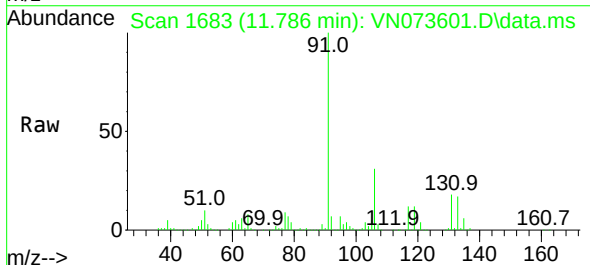
Manual Integrations
APPROVED

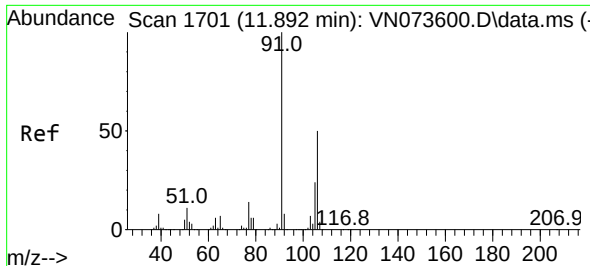
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#66
Ethyl Benzene
Concen: 51.222 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

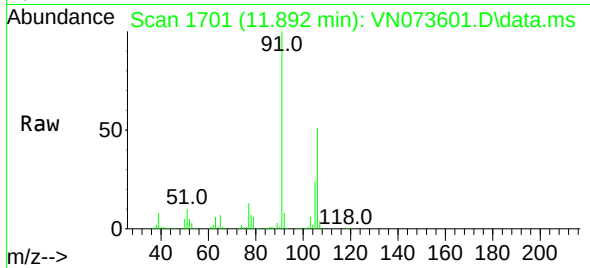
Tgt Ion: 91 Resp: 1089293
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0





#67
m/p-Xylenes
Concen: 105.413 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

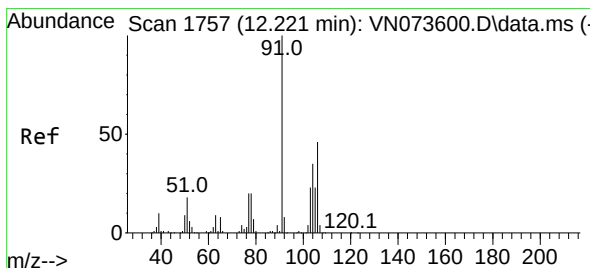
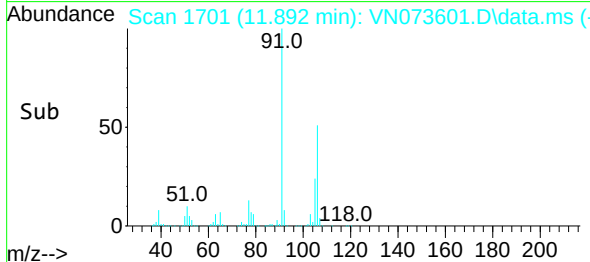
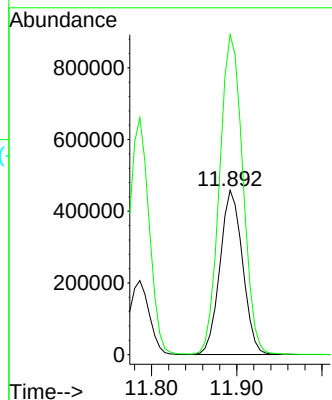
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:106 Resp: 844255
Ion Ratio Lower Upper
106 100
91 201.0 162.9 244.3

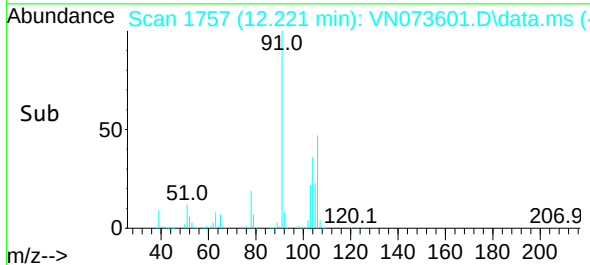
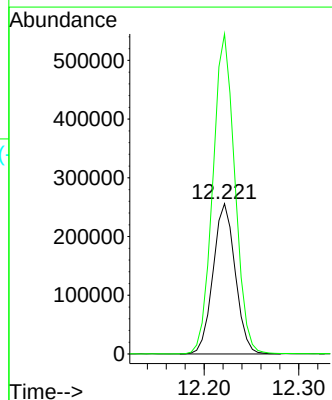
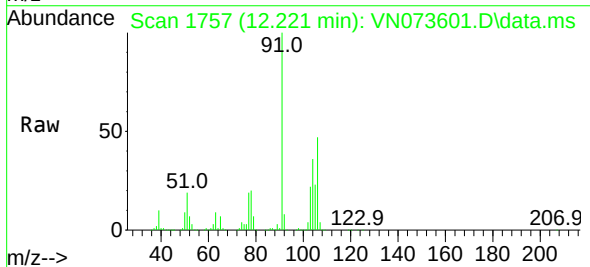
Manual Integrations
APPROVED

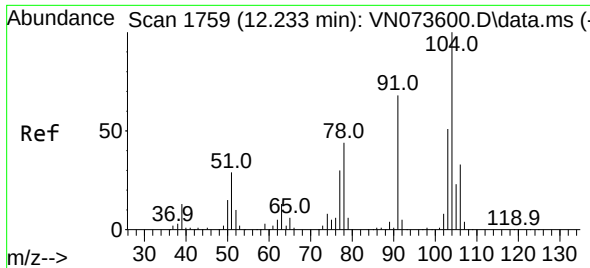
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#68
o-Xylene
Concen: 51.940 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

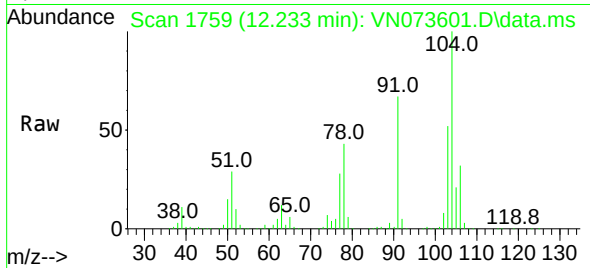
Tgt Ion:106 Resp: 416555
Ion Ratio Lower Upper
106 100
91 211.6 107.7 323.1





#69
Styrene
Concen: 53.794 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

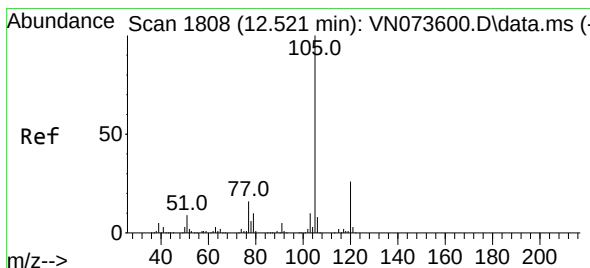
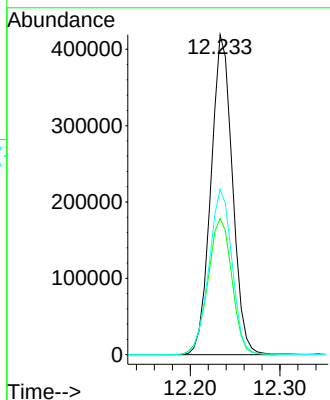
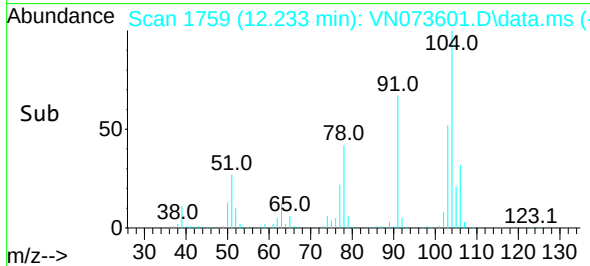
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



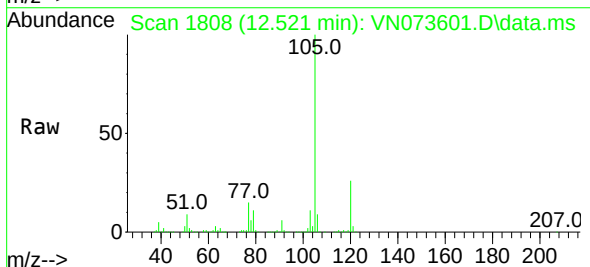
Tgt Ion:104 Resp: 697238
Ion Ratio Lower Upper
104 100
78 47.6 40.7 61.1
103 55.6 45.8 68.8

Manual Integrations
APPROVED

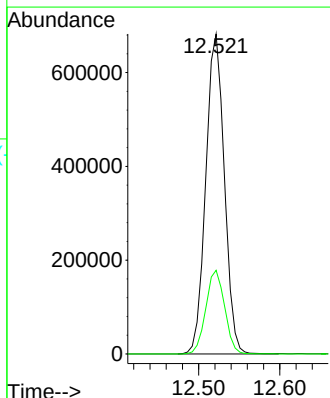
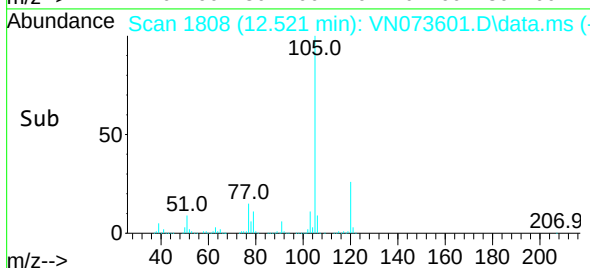
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

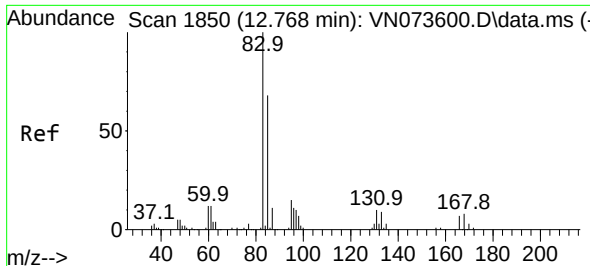


#70
Isopropylbenzene
Concen: 52.549 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



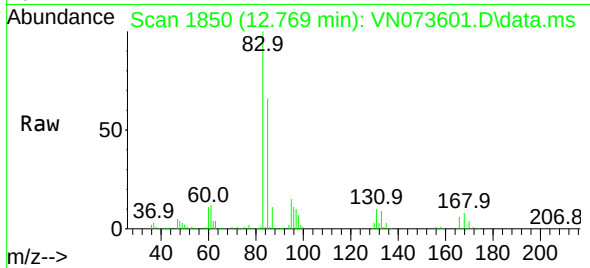
Tgt Ion:105 Resp: 1082242
Ion Ratio Lower Upper
105 100
120 26.5 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 51.131 ug/l
RT: 12.769 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

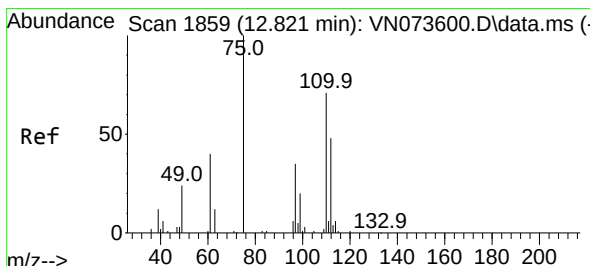
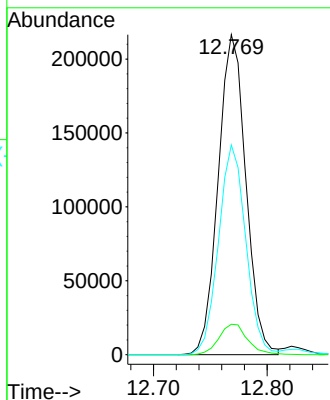
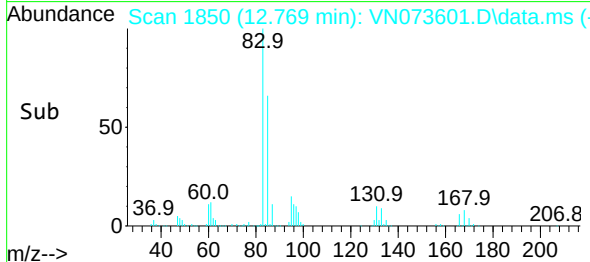
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 367020
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.3
85 64.4 33.1 99.2

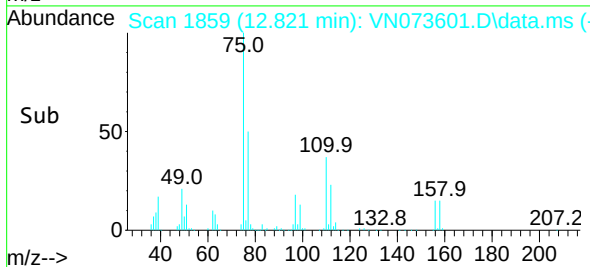
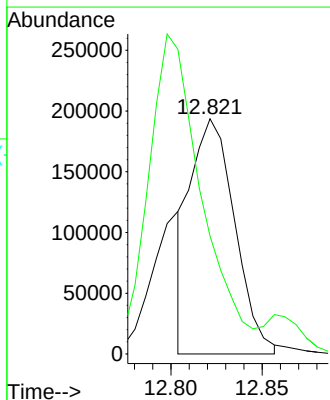
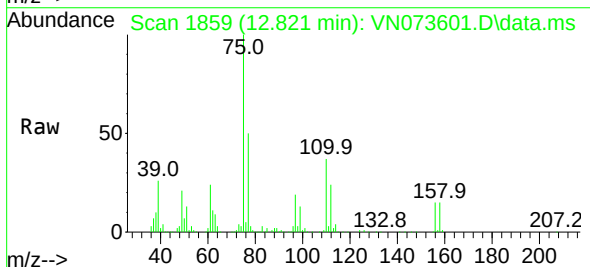
Manual Integrations
APPROVED

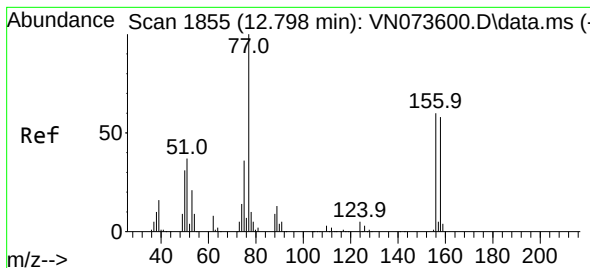
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#72
1,2,3-Trichloropropane
Concen: 57.998 ug/l m
RT: 12.821 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Tgt Ion: 75 Resp: 326695
Ion Ratio Lower Upper
75 100
77 164.0 0.0 378.0





#73

Bromobenzene

Concen: 54.455 ug/l

RT: 12.798 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

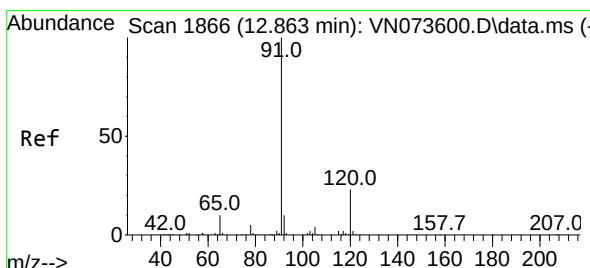
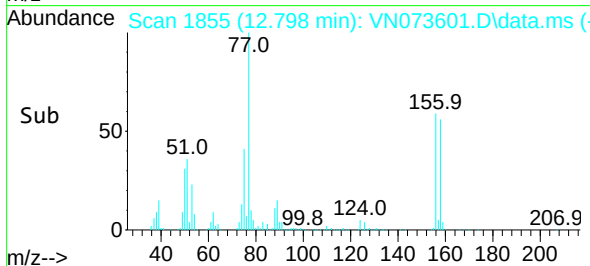
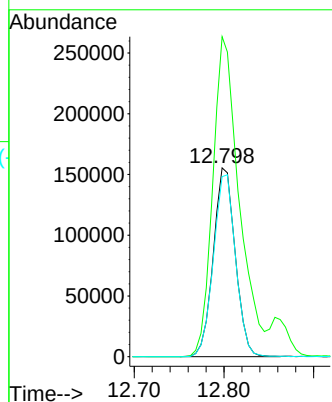
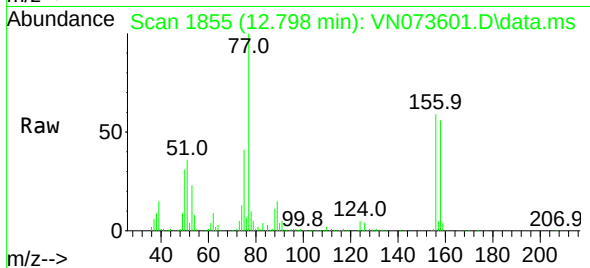
Tgt Ion:	156	Resp:	264298
Ion Ratio	Lower	Upper	
156	100		
77	202.8	0.0	416.0
158	97.3	0.0	195.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#74

n-propylbenzene

Concen: 53.557 ug/l

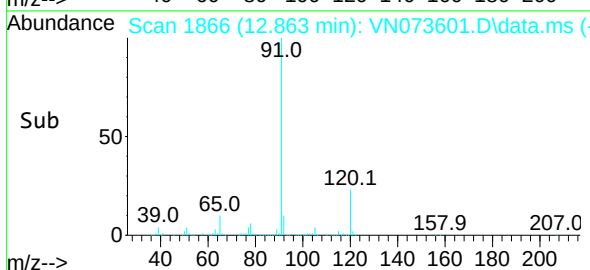
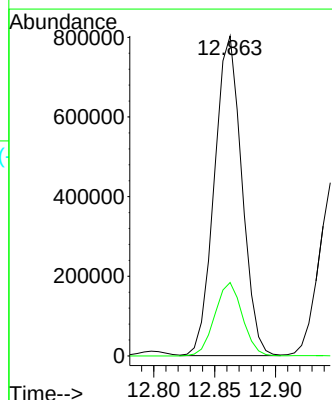
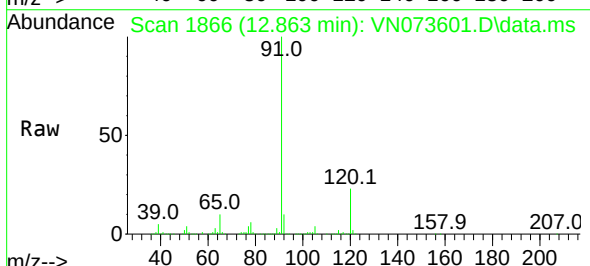
RT: 12.863 min Scan# 1866

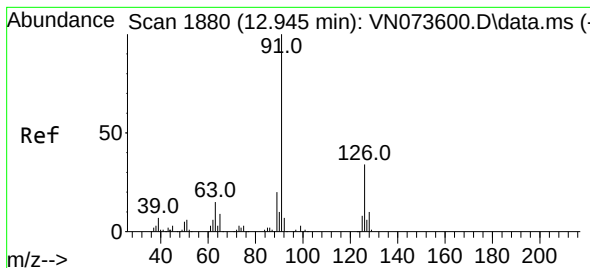
Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Tgt Ion:	91	Resp:	1261187
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	45.0





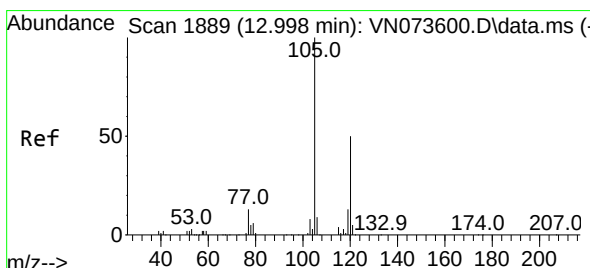
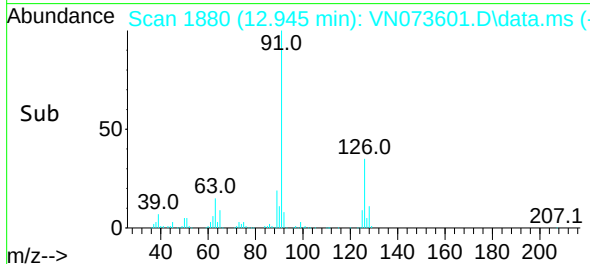
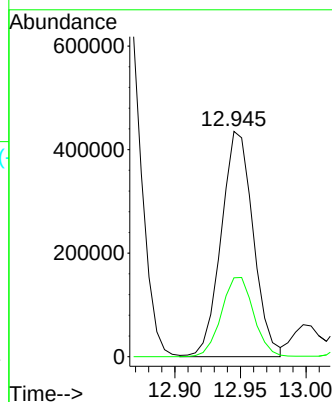
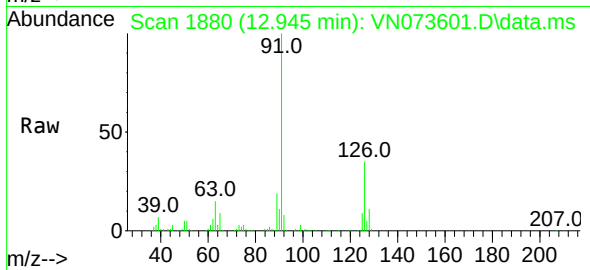
#75
2-Chlorotoluene
Concen: 50.558 ug/l
RT: 12.945 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 73864
Ion Ratio Lower Upper
91 100
126 35.5 0.0 69.8

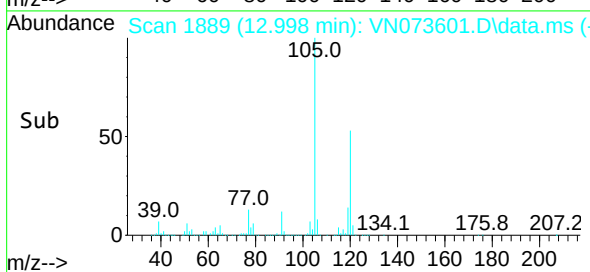
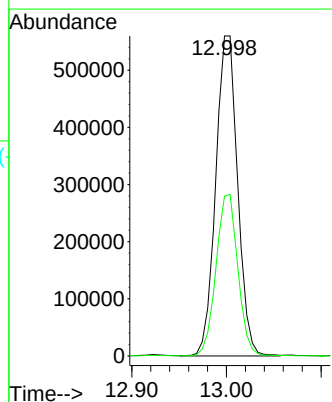
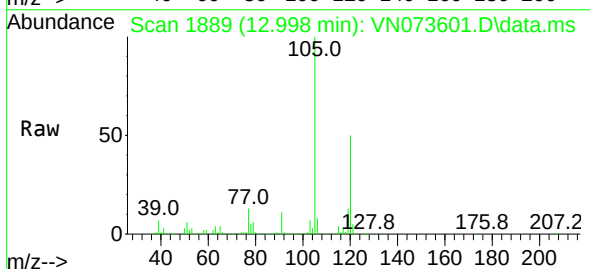
Manual Integrations
APPROVED

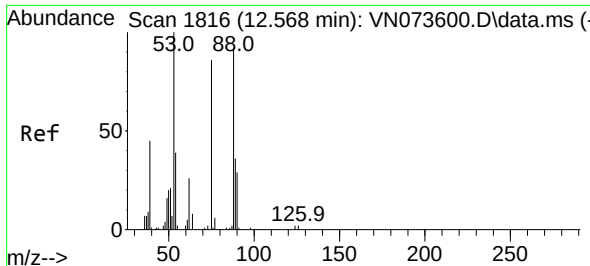
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#76
1,3,5-Trimethylbenzene
Concen: 52.354 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

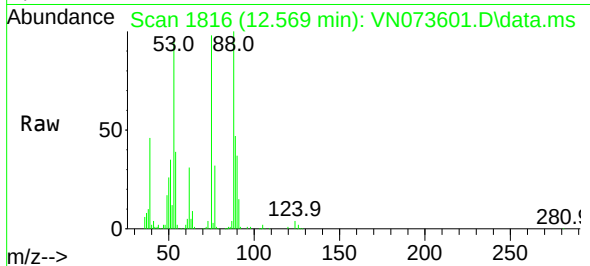
Tgt Ion:105 Resp: 902041
Ion Ratio Lower Upper
105 100
120 50.4 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 62.438 ug/l
RT: 12.569 min Scan# 1816
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

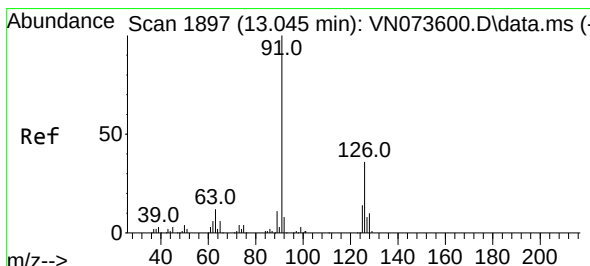
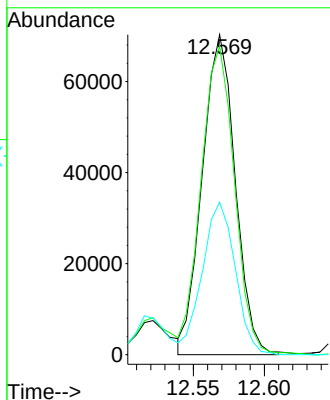
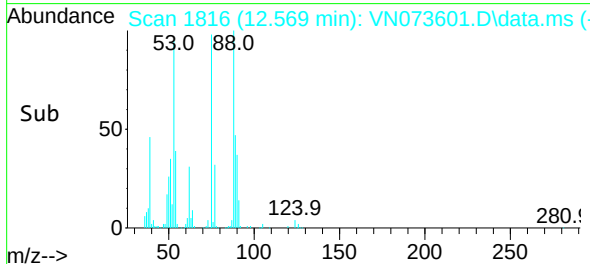
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 75 Resp: 11344
Ion Ratio Lower Upper
75 100
53 96.7 51.8 155.5
89 48.0 22.9 68.7

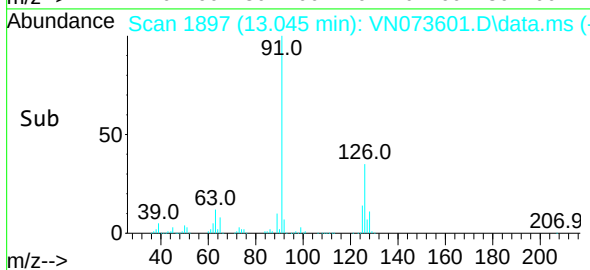
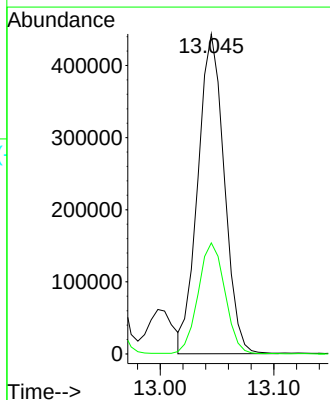
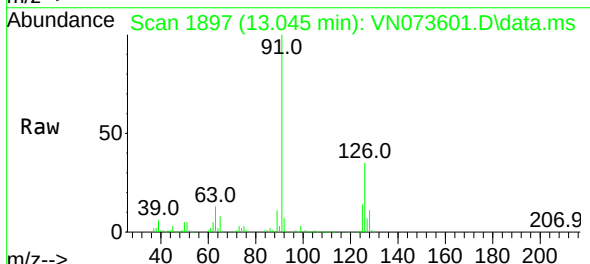
Manual Integrations
APPROVED

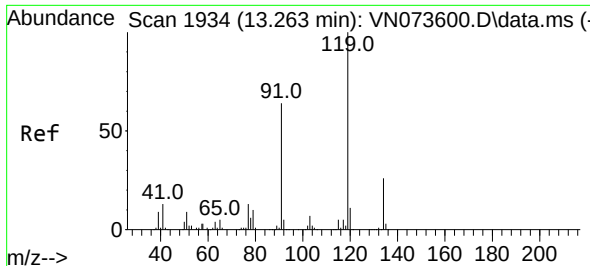
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#78
4-Chlorotoluene
Concen: 50.968 ug/l
RT: 13.045 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Tgt Ion: 91 Resp: 715097
Ion Ratio Lower Upper
91 100
126 35.3 0.0 70.6





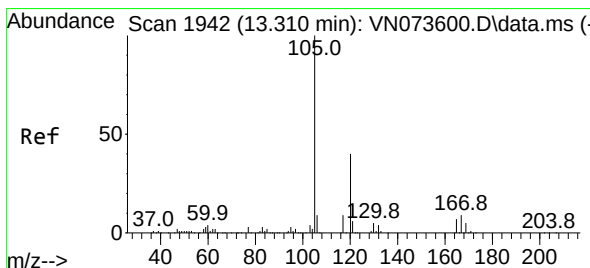
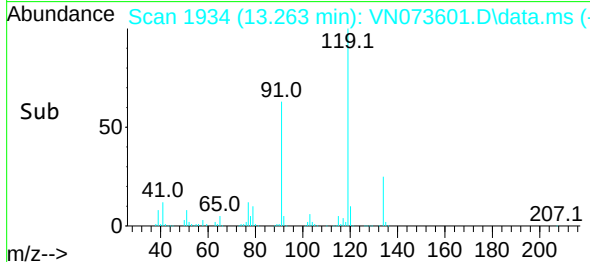
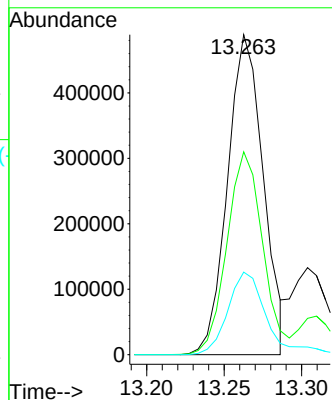
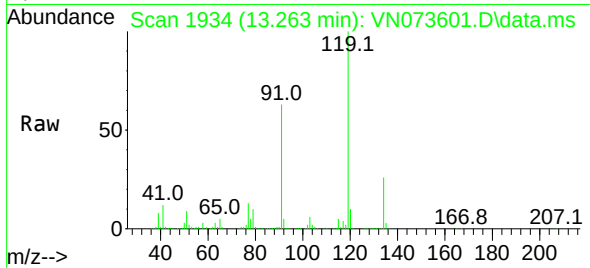
#79
tert-butylbenzene
Concen: 51.992 ug/l
RT: 13.263 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 78312
Ion Ratio Lower Upper
119 100
91 63.7 0.0 137.0
134 26.6 0.0 47.6

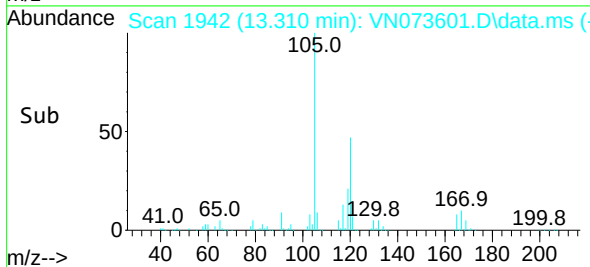
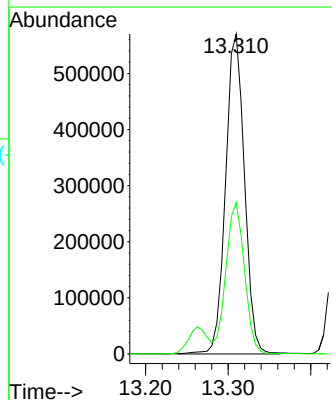
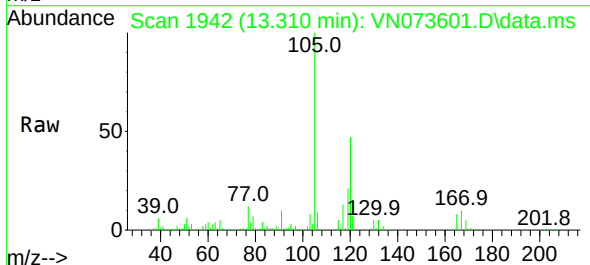
Manual Integrations
APPROVED

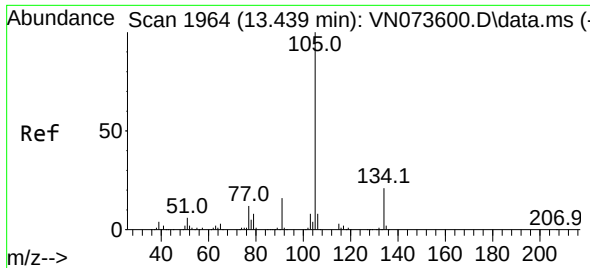
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#80
1,2,4-Trimethylbenzene
Concen: 53.687 ug/l m
RT: 13.310 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

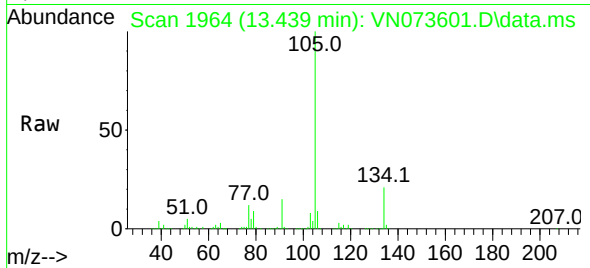
Tgt Ion:105 Resp: 907014
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2#





#81
 sec-Butylbenzene
 Concen: 54.691 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073601.D
 Acq: 27 Jul 2022 12:19

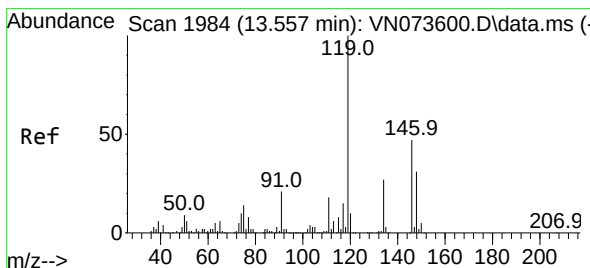
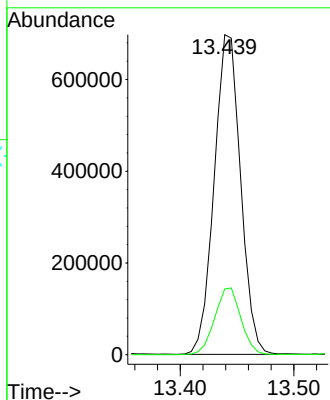
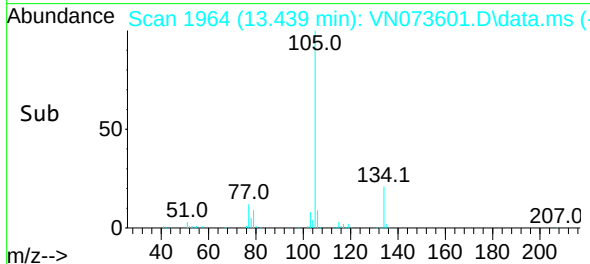
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



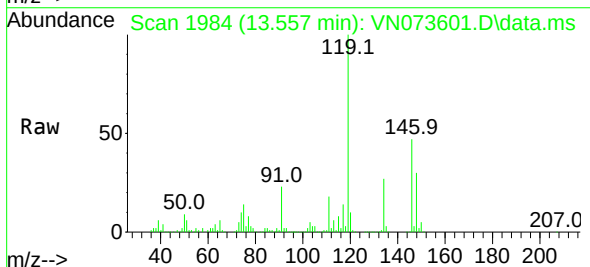
Tgt Ion:105 Resp: 112600
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 39.4

Manual Integrations
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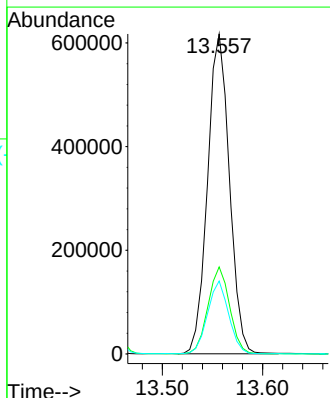
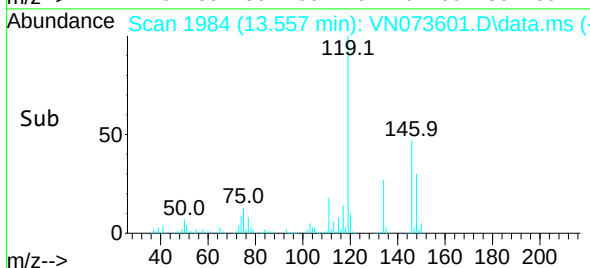
Reviewed By :John Carlone 07/28/2022
 Supervised By :Mahesh Dadoda 07/28/2022

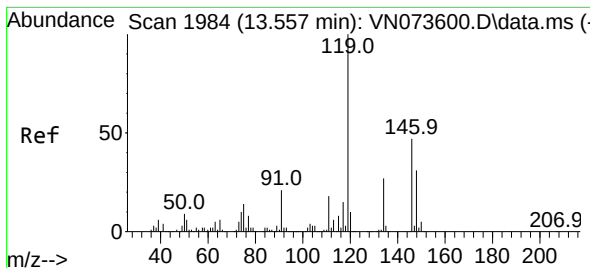


#82
 p-Isopropyltoluene
 Concen: 55.929 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN073601.D
 Acq: 27 Jul 2022 12:19



Tgt Ion:119 Resp: 934089
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 51.8
 91 21.9 0.0 50.4





#83

1,3-Dichlorobenzene

Concen: 56.394 ug/l

RT: 13.557 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:146 Resp: 48483

Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

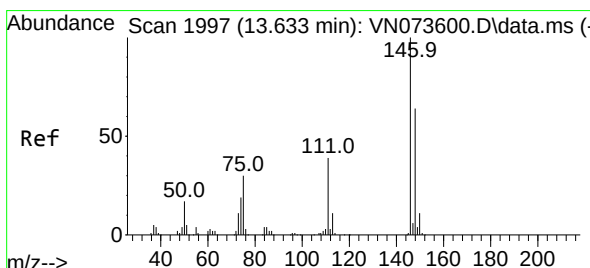
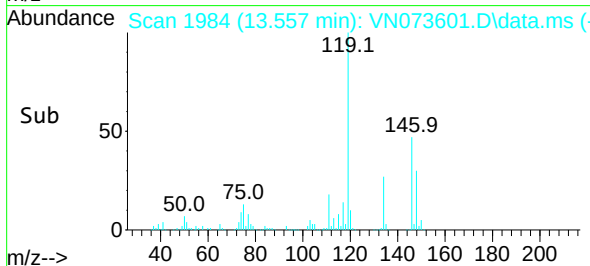
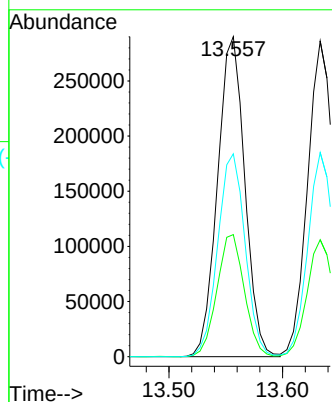
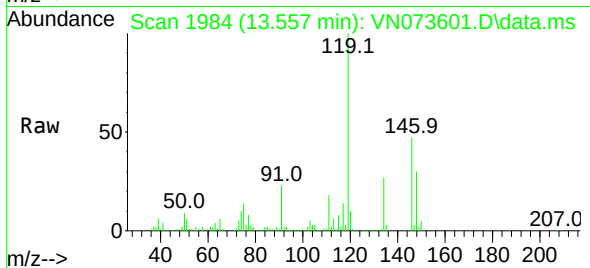
148 63.6 31.4 94.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#84

1,4-Dichlorobenzene

Concen: 54.768 ug/l

RT: 13.633 min Scan# 1997

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

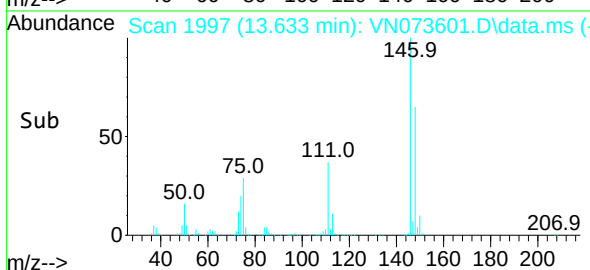
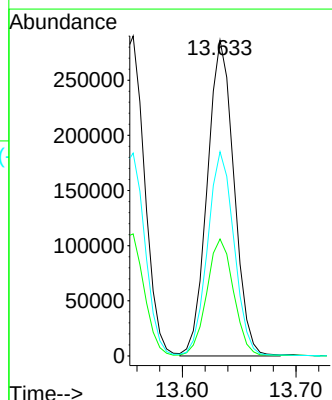
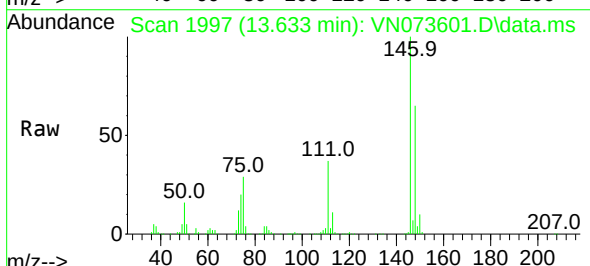
Tgt Ion:146 Resp: 468523

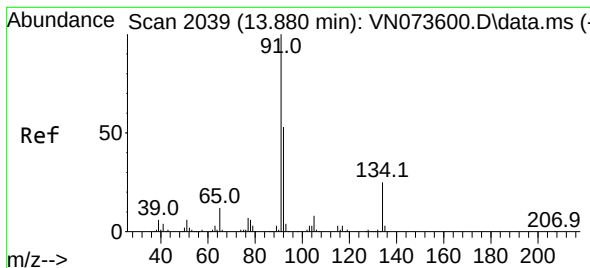
Ion Ratio Lower Upper

146 100

111 37.2 19.5 58.5

148 63.6 31.1 93.5





#85

n-Butylbenzene

Concen: 55.818 ug/l

RT: 13.880 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

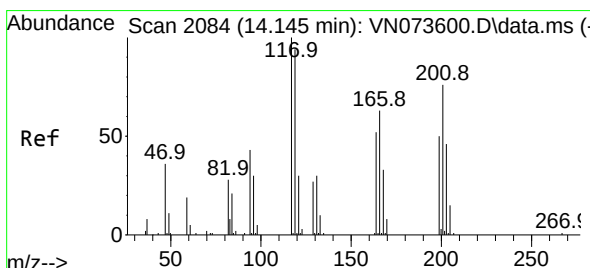
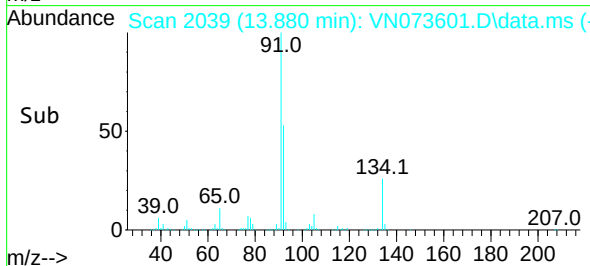
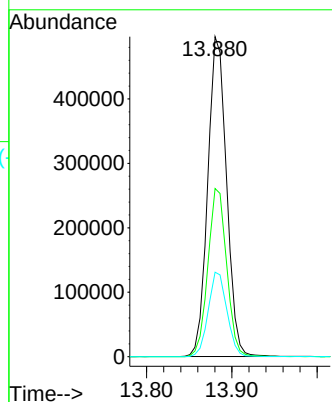
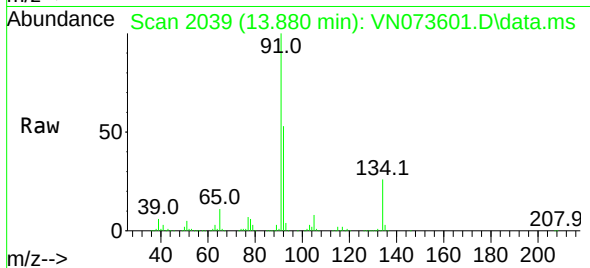
Tgt Ion:	91	Resp:	760344
Ion Ratio	Lower	Upper	
91	100		
92	52.7	0.0	100.6
134	26.3	0.0	50.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#86

Hexachloroethane

Concen: 50.396 ug/l

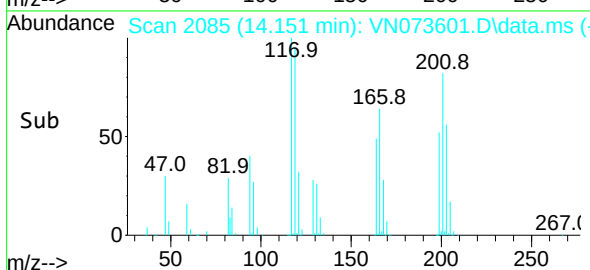
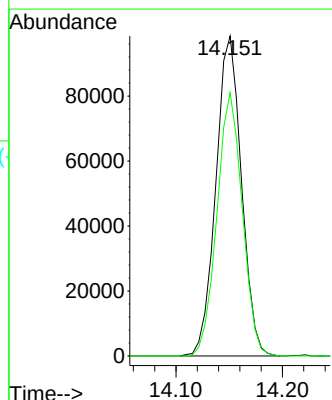
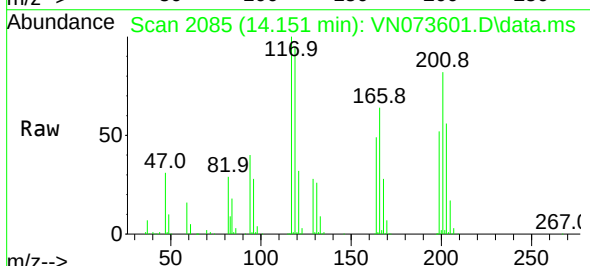
RT: 14.151 min Scan# 2085

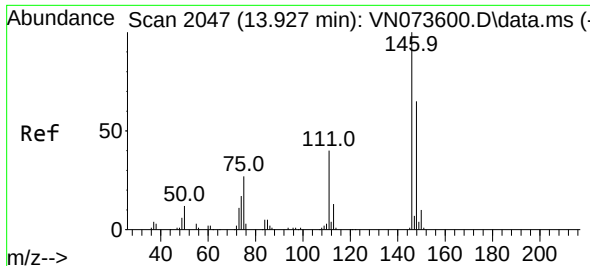
Delta R.T. 0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

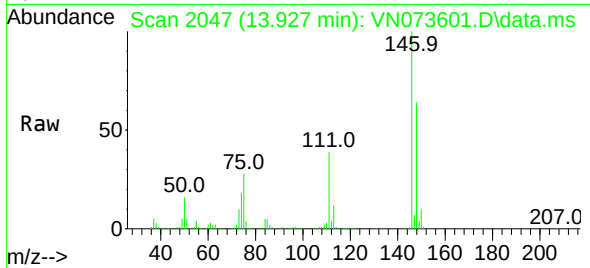
Tgt Ion:	117	Resp:	164029
Ion Ratio	Lower	Upper	
117	100		
201	81.6	33.3	99.8





#87
1,2-Dichlorobenzene
Concen: 54.156 ug/l
RT: 13.927 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

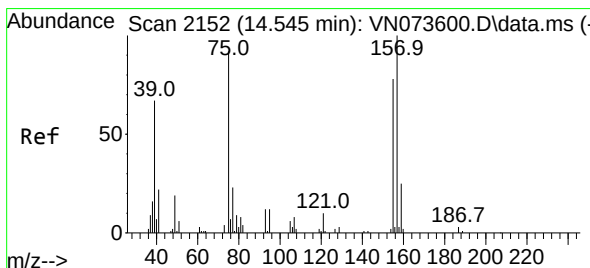
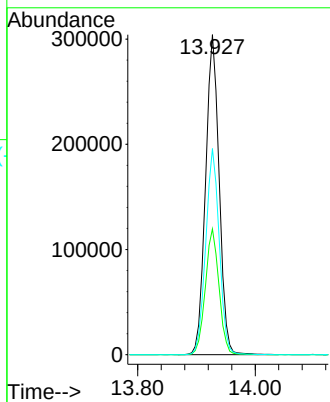
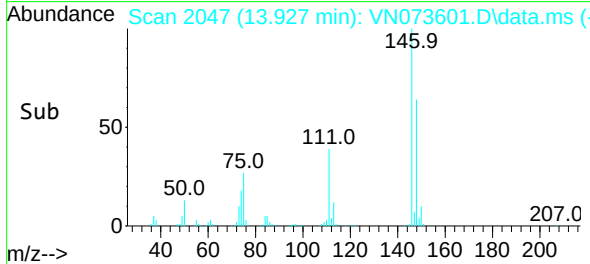
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



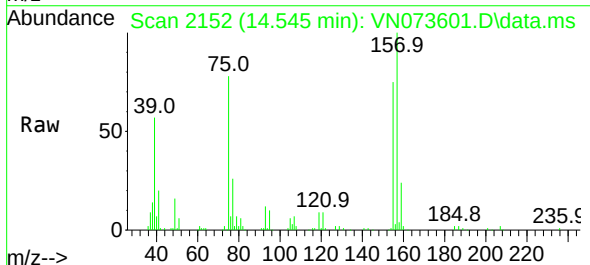
Tgt Ion:146 Resp: 487629
Ion Ratio Lower Upper
146 100
111 39.4 21.4 64.2
148 64.2 32.5 97.4

Manual Integrations
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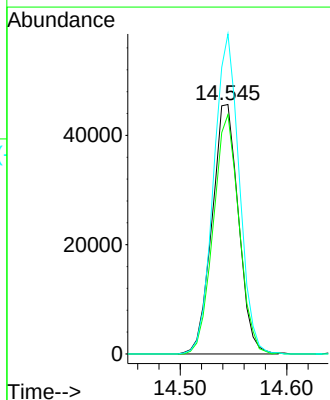
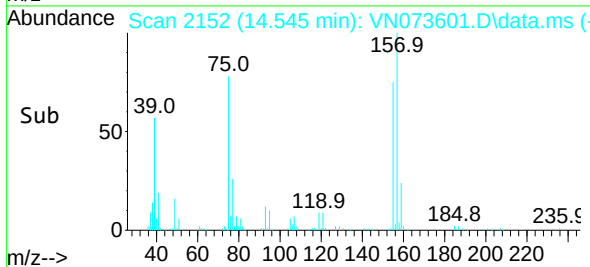
Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022

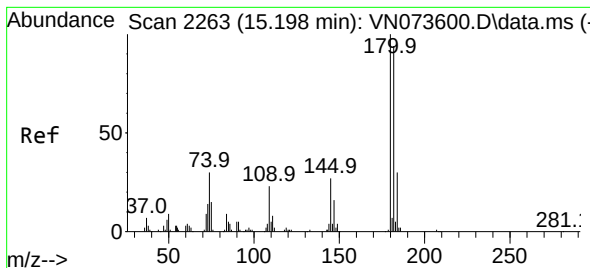


#88
1,2-Dibromo-3-Chloropropane
Concen: 44.351 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion: 75 Resp: 78621
Ion Ratio Lower Upper
75 100
155 93.0 63.8 95.8
157 123.9 77.9 116.9#





#89

1,2,4-Trichlorobenzene

Concen: 58.343 ug/l

RT: 15.198 min Scan# 2263

Delta R.T. 0.000 min

Lab File: VN073601.D

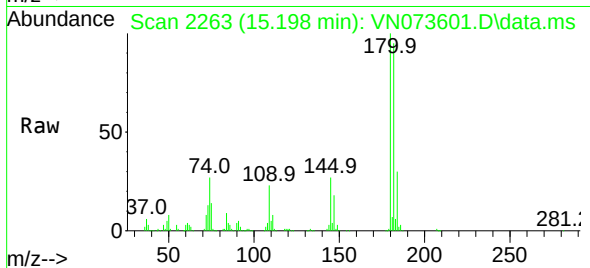
Acq: 27 Jul 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050



Tgt Ion:180 Resp: 274019

Ion Ratio Lower Upper

180 100

182 94.6 77.7 116.5

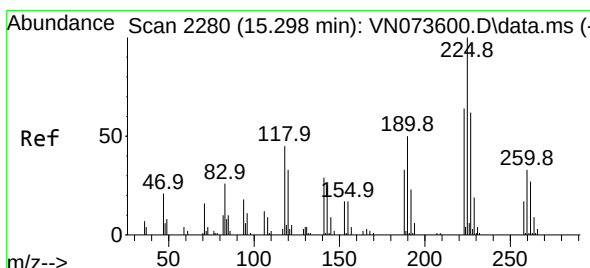
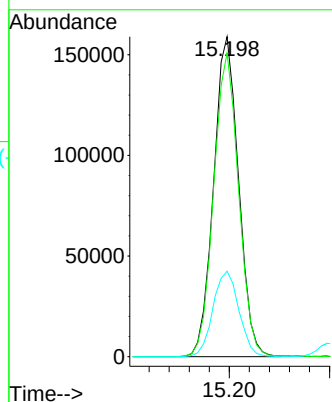
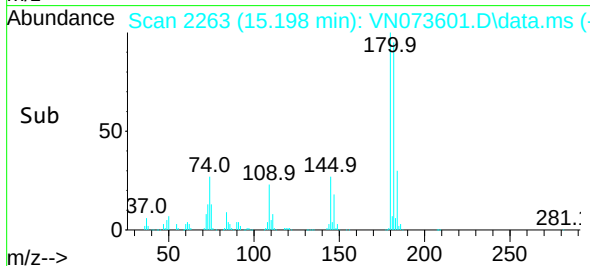
145 27.7 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2022

Supervised By :Mahesh Dadoda 07/28/2022



#90

Hexachlorobutadiene

Concen: 65.846 ug/l

RT: 15.304 min Scan# 2281

Delta R.T. 0.006 min

Lab File: VN073601.D

Acq: 27 Jul 2022 12:19

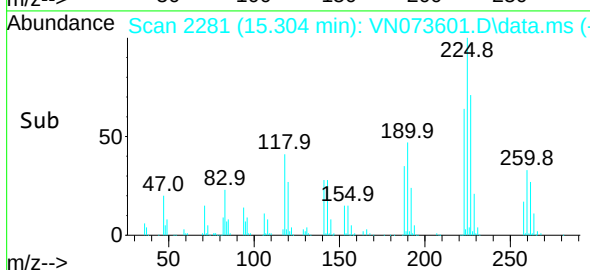
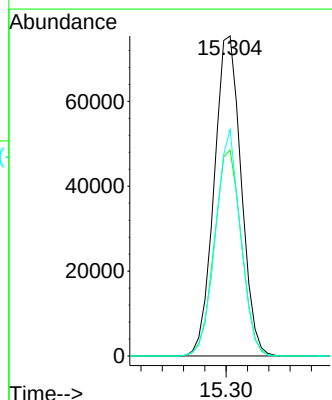
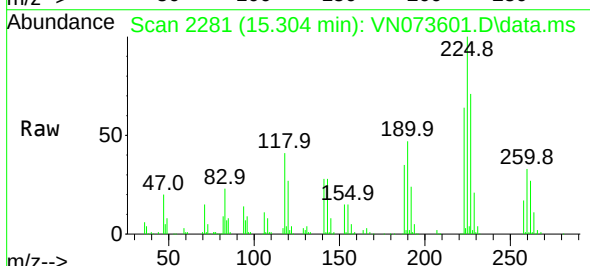
Tgt Ion:225 Resp: 132518

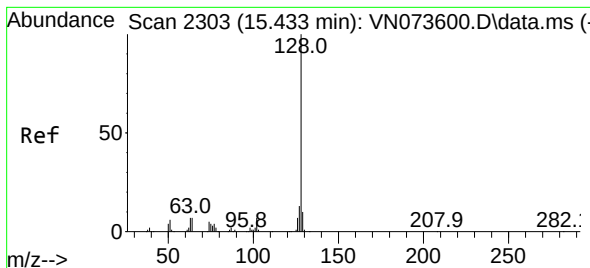
Ion Ratio Lower Upper

225 100

223 64.4 0.0 126.8

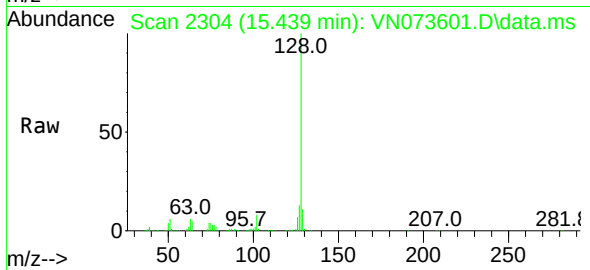
227 65.5 0.0 123.0





#91
Naphthalene
Concen: 52.412 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19

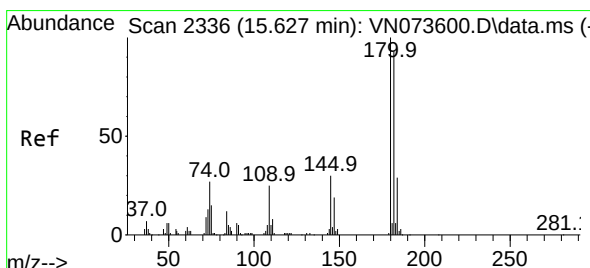
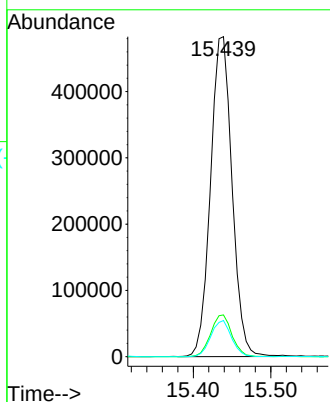
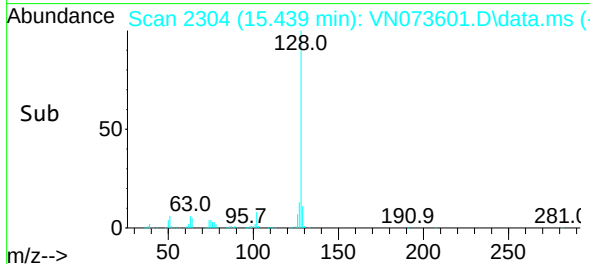
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



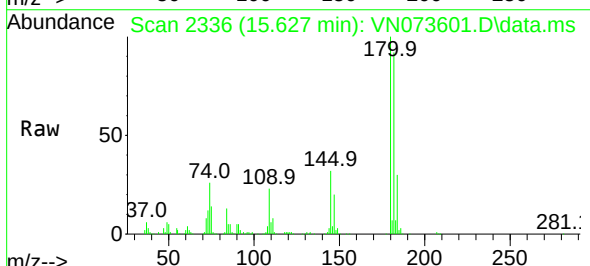
Tgt Ion:128 Resp: 93129
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.9 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2022
Supervised By :Mahesh Dadoda 07/28/2022



#92
1,2,3-Trichlorobenzene
Concen: 59.034 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN073601.D
Acq: 27 Jul 2022 12:19



Tgt Ion:180 Resp: 284460
Ion Ratio Lower Upper
180 100
182 94.4 0.0 190.0
145 30.5 0.0 67.8

