

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078715.D
 Acq On : 01 Aug 2023 14:11
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 02:51:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 02:50:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	111579	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	663817	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	541485	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	245488	29.199	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.333%		
60) 4-Bromofluorobenzene	12.853	95	226111	28.983	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.600%		
63) Toluene-d8	10.571	98	764641	28.514	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.033%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	125185	20.282	ug/l	98
3) Chloromethane	2.371	50	174778	22.789	ug/l	93
4) Vinyl Chloride	2.518	62	221526	22.101	ug/l	96
5) Bromomethane	2.965	94	160964	20.962	ug/l	98
6) Chloroethane	3.124	64	136066	20.660	ug/l	99
7) Trichlorofluoromethane	3.501	101	225908	21.696	ug/l	98
8) Diethyl Ether	3.977	74	71923	21.389	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.383	101	115675	20.862	ug/l	93
10) 1,1-Dichloroethene	4.348	96	116719	21.931	ug/l	98
11) Methyl Iodide	4.600	142	157787	21.401	ug/l	96
12) Methyl Acetate	5.042	43	183351	23.320	ug/l	97
13) Acrolein	4.189	56	97788	105.358	ug/l	100
14) Acrylonitrile	5.736	53	268053	117.694	ug/l	98
15) Acetone	4.448	58	76220	111.976	ug/l	98
16) Carbon Disulfide	4.718	76	331012	21.772	ug/l	100
17) Allyl chloride	5.030	41	168736m	22.761	ug/l	
18) Methylene Chloride	5.289	84	137353	23.891	ug/l #	96
19) trans-1,2-Dichloroethene	5.795	96	130134m	20.993	ug/l	
20) Diisopropyl ether	6.683	45	356727	21.956	ug/l	96
21) 1,1-Dichloroethane	6.577	63	231420	21.343	ug/l	96
22) cis-1,2-Dichloroethene	7.494	96	154211	22.403	ug/l	99
23) tert-Butyl Alcohol	5.536	59	110918	106.448	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	388674	21.674	ug/l	95
25) Chloroform	7.971	83	248246	21.922	ug/l	98
26) Cyclohexane	8.265	56	184890	23.367	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	181647	22.159	ug/l	100
30) 2-Butanone	7.494	43	364464	112.907	ug/l	98
31) 2,2-Dichloropropane	7.494	77	213490	22.783	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	235028	22.429	ug/l	98
33) Carbon Tetrachloride	8.371	117	204787	22.176	ug/l	99
34) Benzene	8.612	78	547720	22.164	ug/l	98
35) Methacrylonitrile	7.789	41	78940	21.977	ug/l	91
36) 1,2-Dichloroethane	8.677	62	197695	22.677	ug/l	99
37) Trichloroethene	9.359	130	148253	21.778	ug/l	96
38) Methylcyclohexane	9.606	83	178190	21.896	ug/l	99
39) 1,2-Dichloropropane	9.630	63	139491	21.510	ug/l	93
40) Dibromomethane	9.718	93	100284	21.808	ug/l	98
41) Bromodichloromethane	9.894	83	205797	22.362	ug/l	96
42) Vinyl Acetate	6.618	43	1166766	107.918	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	168936	24.823	ug/l	99
44) Isopropyl Acetate	8.700	43	270241	22.694	ug/l	94
45) 1,4-Dioxane	9.700	88	44886	419.837	ug/l	90
46) Methyl methacrylate	9.688	41	115888	21.797	ug/l	99
47) n-amyl Acetate	12.500	43	197362	22.655	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	226851	23.209	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	228459	22.060	ug/l	97
50) 1,1,2-Trichloroethane	11.029	97	153663	23.241	ug/l	99
51) Ethyl methacrylate	10.877	69	205290	23.221	ug/l	92
52) 1,3-Dichloropropane	11.165	76	247530	20.610	ug/l	99
53) Dibromochloromethane	11.365	129	171229	23.424	ug/l	99
54) 1,2-Dibromoethane	11.477	107	153795	23.561	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	331153	117.537	ug/l	99
56) Bromoform	12.582	173	101261	22.007	ug/l	97
58) 4-Methyl-2-Pentanone	10.453	43	749453	107.891	ug/l	99
59) 2-Hexanone	11.200	43	586177	111.171	ug/l	98
61) Tetrachloroethene	11.106	164	131183	21.189	ug/l	96
62) Toluene	10.635	91	609796	21.941	ug/l	100
64) Chlorobenzene	11.894	112	363027	22.594	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	145486	22.806	ug/l	99
66) Ethyl Benzene	11.971	91	633415	23.055	ug/l	98
67) m/p-Xylenes	12.076	106	478310	45.743	ug/l	100
68) o-Xylene	12.400	106	233511	22.346	ug/l	99
69) Styrene	12.418	104	362152	22.261	ug/l	99
70) Isopropylbenzene	12.700	105	584398	22.494	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	188073	21.628	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	152784m	18.537	ug/l	
73) Bromobenzene	12.982	156	143220	22.284	ug/l	95
74) n-propylbenzene	13.041	91	633951	22.058	ug/l	98
75) 2-Chlorotoluene	13.129	91	401318	21.963	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	477671	22.347	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	54601	22.584	ug/l	92
78) 4-Chlorotoluene	13.223	91	404008	23.063	ug/l	98
79) tert-butylbenzene	13.441	119	404663	21.792	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	466754	23.001	ug/l	100
81) sec-Butylbenzene	13.623	105	509710	21.554	ug/l	97
82) p-Isopropyltoluene	13.735	119	441108	22.867	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	242064	23.512	ug/l	97
84) 1,4-Dichlorobenzene	13.818	146	225343	23.602	ug/l	99
85) n-Butylbenzene	14.059	91	311900	23.911	ug/l	100
86) Hexachloroethane	14.335	117	82620	22.280	ug/l	90
87) 1,2-Dichlorobenzene	14.112	146	229845	23.775	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	29657	22.529	ug/l	99
89) 1,2,4-Trichlorobenzene	15.400	180	66721	23.928	ug/l	98
90) Hexachlorobutadiene	15.506	225	52821	22.121	ug/l	97
91) Naphthalene	15.641	128	204828	23.444	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	77545	23.141	ug/l	97

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

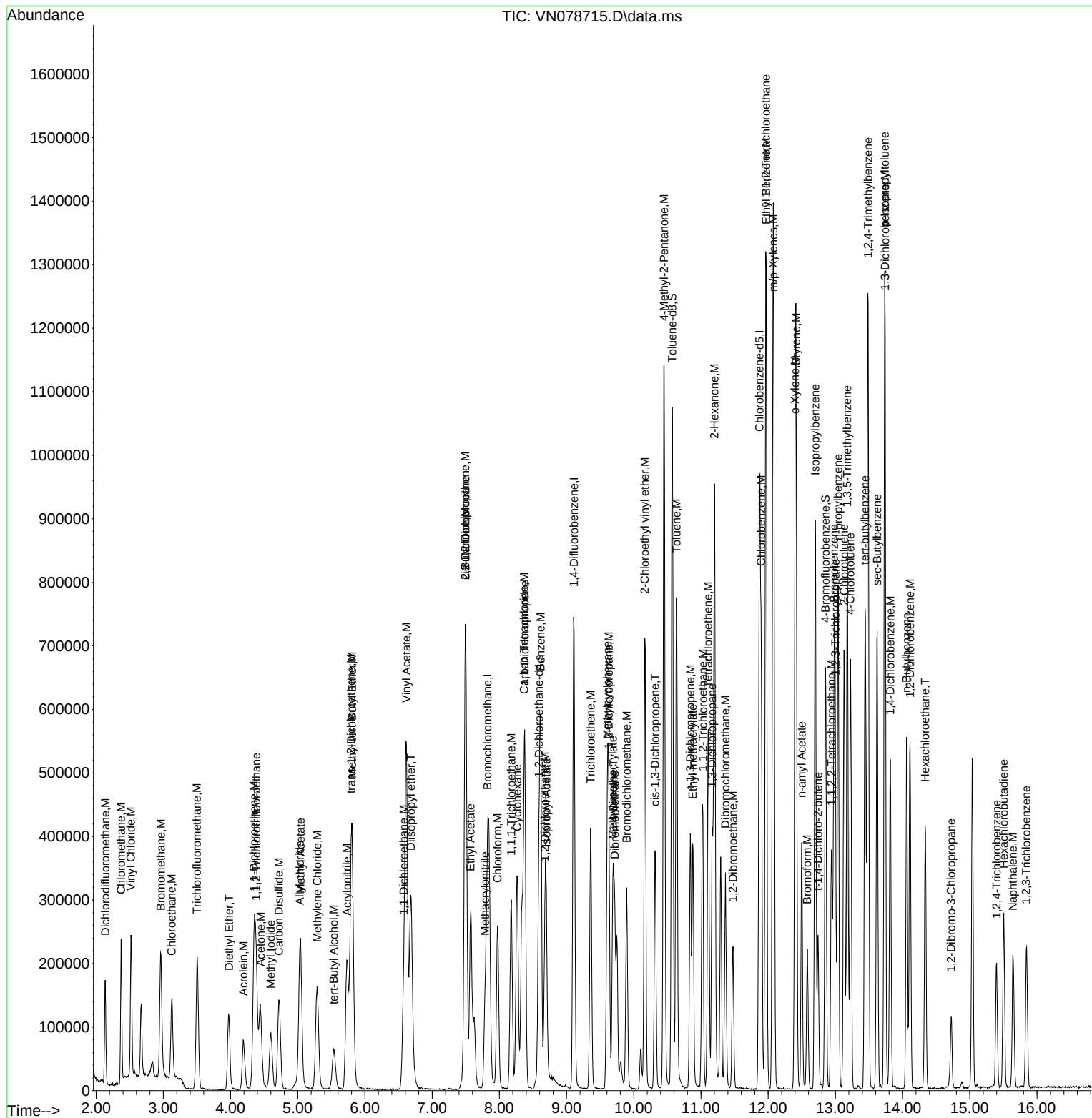
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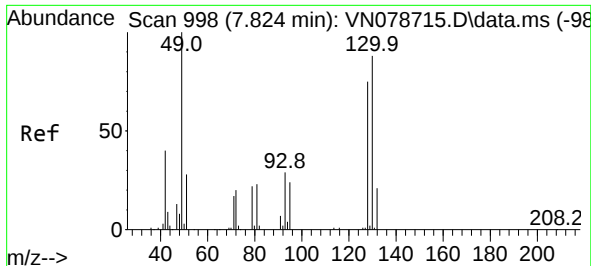
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

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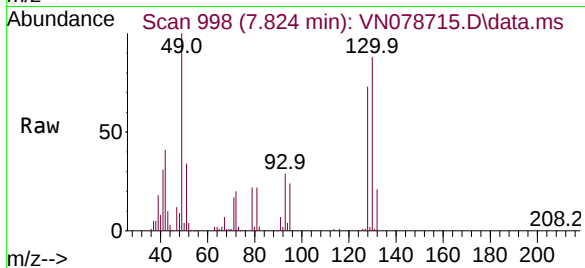
Quant Time: Aug 02 02:51:54 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 02 02:50:16 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

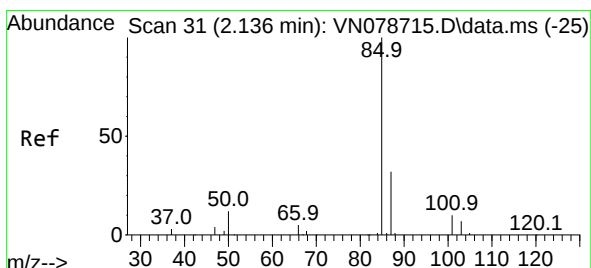
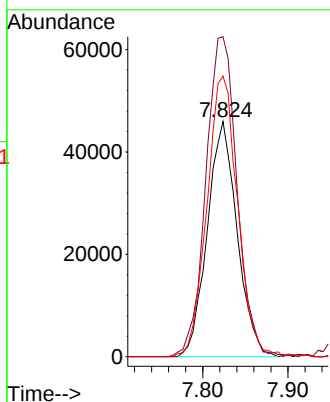
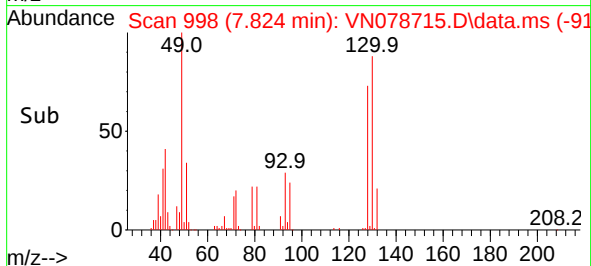
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



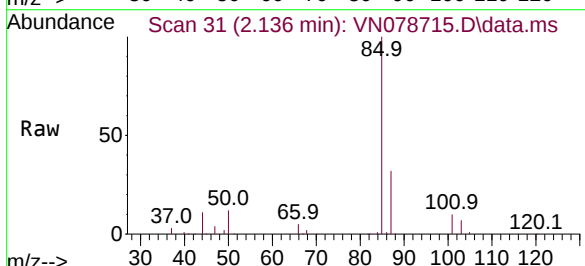
Tgt Ion:128 Resp: 111579
Ion Ratio Lower Upper
128 100
49 142.3 0.0 370.8
130 123.2 0.0 307.0

Manual Integrations
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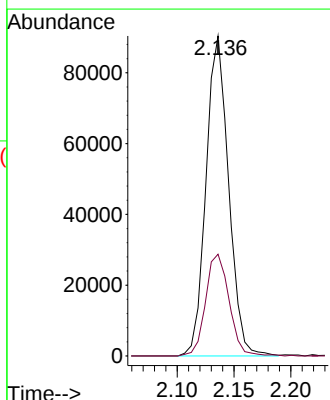
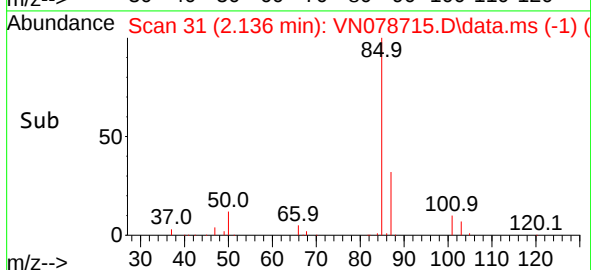
Reviewed By :John Carlone 08/02/2023
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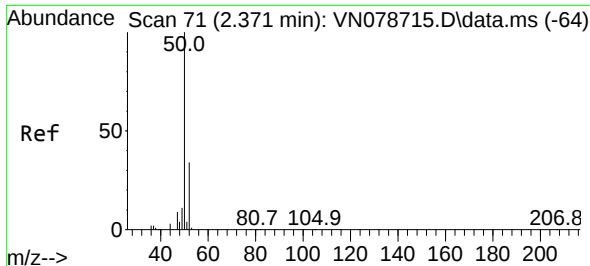


#2
Dichlorodifluoromethane
Concen: 20.282 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



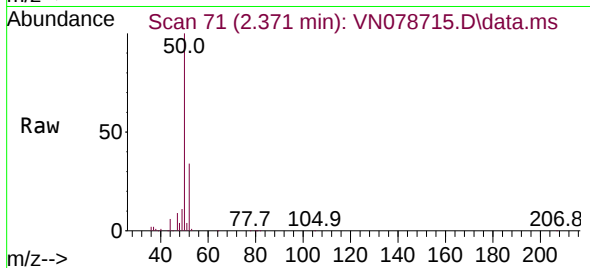
Tgt Ion: 85 Resp: 125185
Ion Ratio Lower Upper
85 100
87 31.8 16.4 49.4





#3
Chloromethane
Concen: 22.789 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

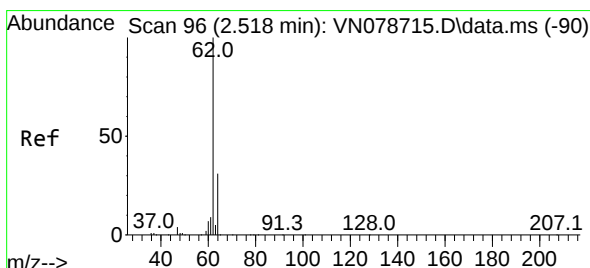
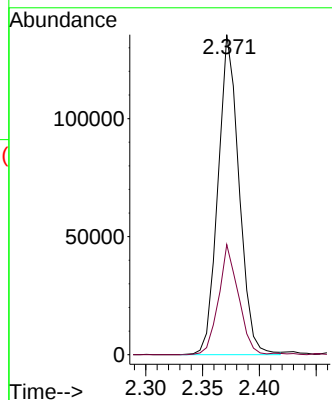
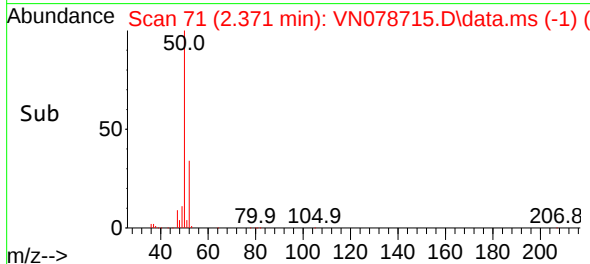
Instrument :
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Tgt Ion: 50 Resp: 174778
Ion Ratio Lower Upper
50 100
52 34.4 24.6 36.8

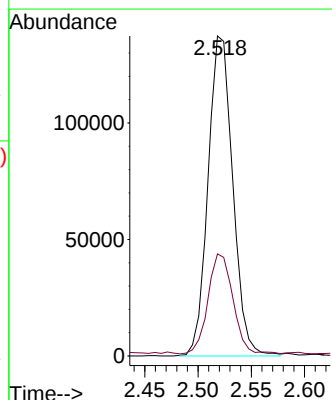
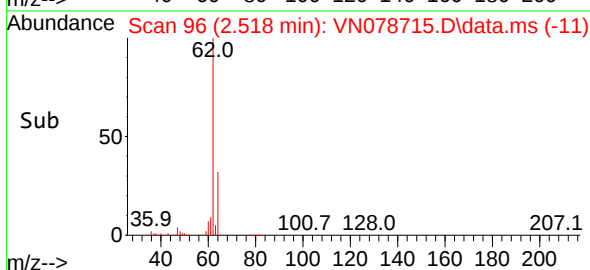
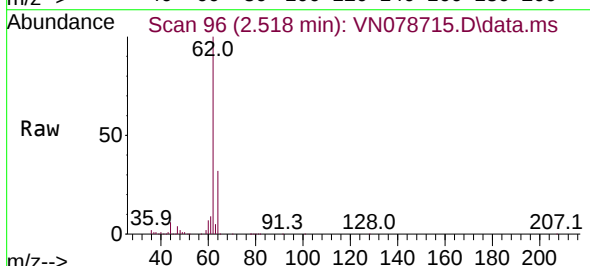
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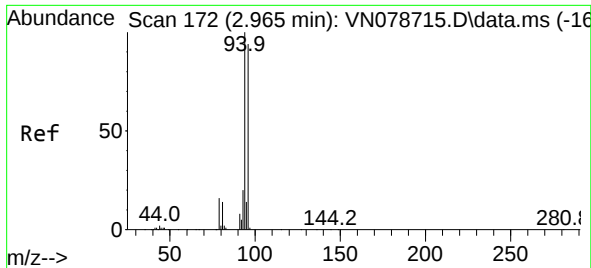
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#4
Vinyl Chloride
Concen: 22.101 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

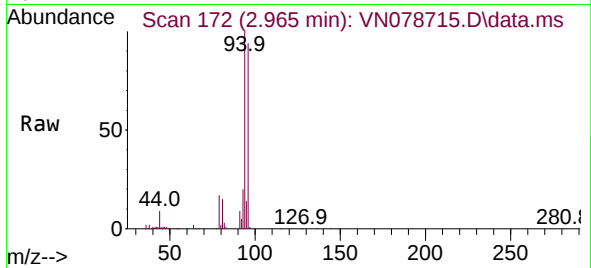
Tgt Ion: 62 Resp: 221526
Ion Ratio Lower Upper
62 100
64 31.3 23.3 34.9





#5
Bromomethane
Concen: 20.962 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

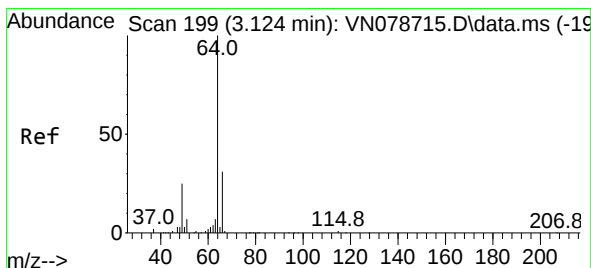
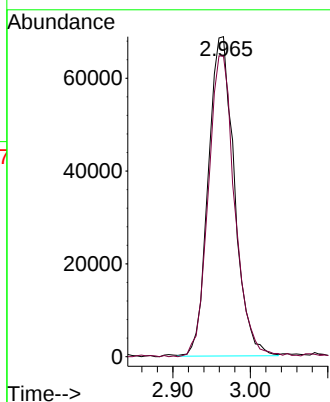
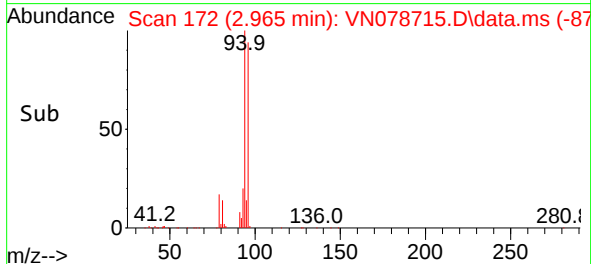
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Tgt Ion: 94 Resp: 160964
Ion Ratio Lower Upper
94 100
96 94.3 73.9 110.9

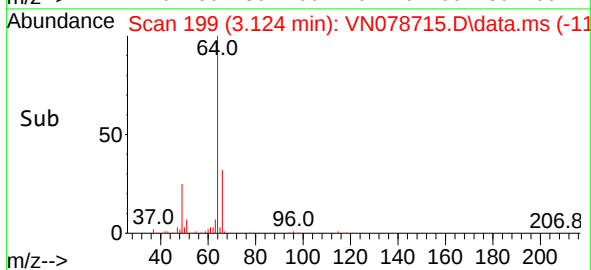
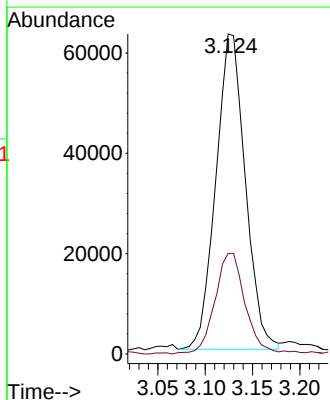
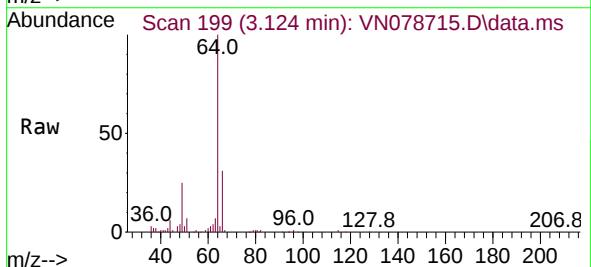
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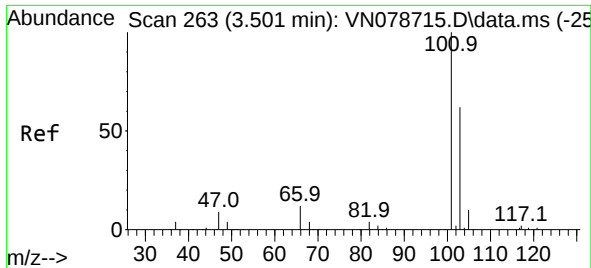
Reviewed By :John Carlone 08/02/2023
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#6
Chloroethane
Concen: 20.660 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN078715.D
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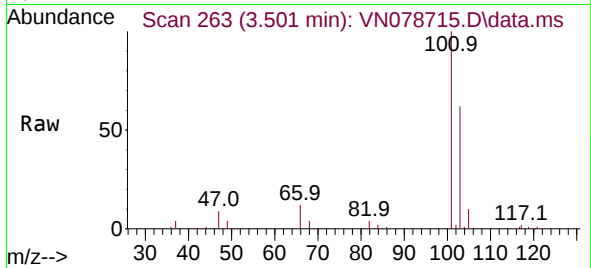
Tgt Ion: 64 Resp: 136066
Ion Ratio Lower Upper
64 100
66 31.4 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 21.696 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11

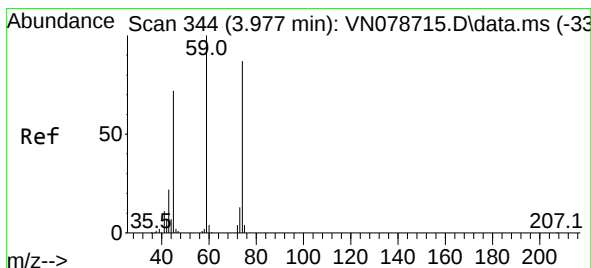
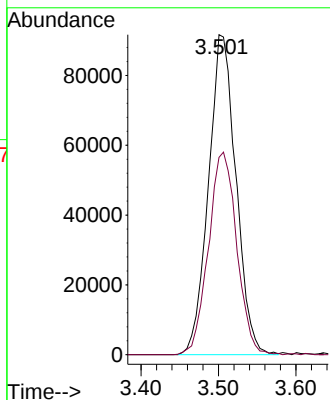
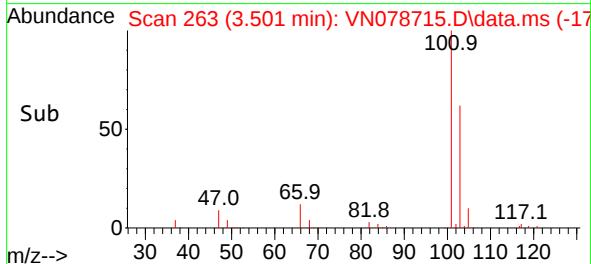
Instrument :
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 VSTDICCC020



Tgt Ion:101 Resp: 225908
 Ion Ratio Lower Upper
 101 100
 103 61.5 50.4 75.6

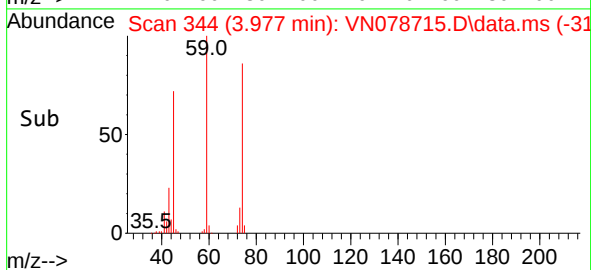
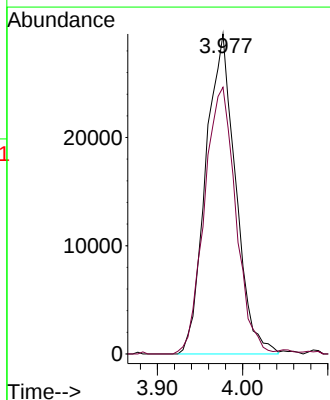
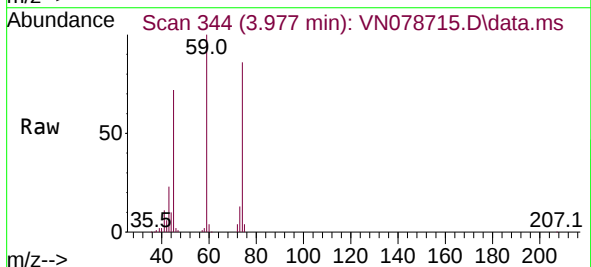
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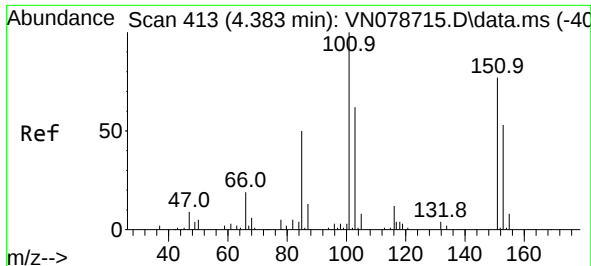
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#8
 Diethyl Ether
 Concen: 21.389 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 71923
 Ion Ratio Lower Upper
 74 100
 45 87.6 16.3 146.5





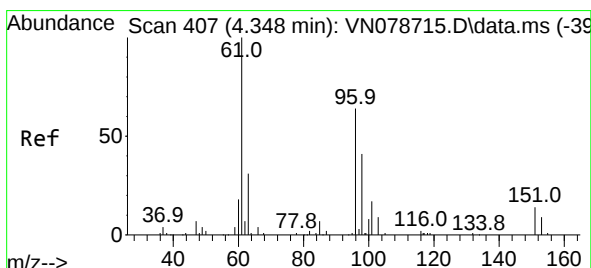
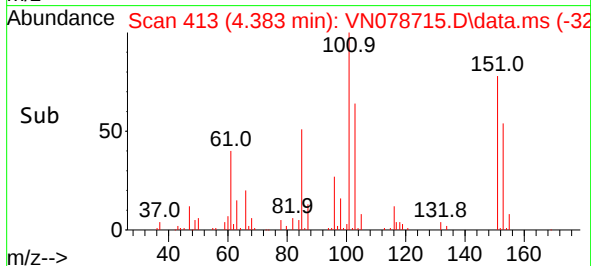
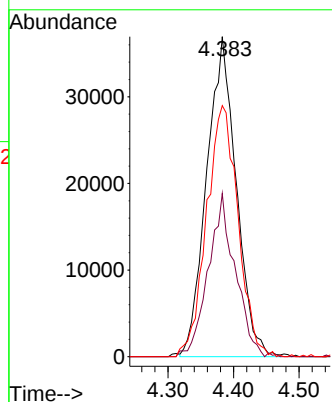
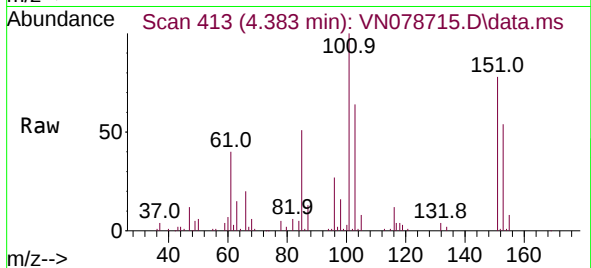
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.862 ug/l
RT: 4.383 min Scan# 413
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 115679
Ion Ratio Lower Upper
101 100
85 45.9 0.0 89.2
151 83.5 0.0 148.8

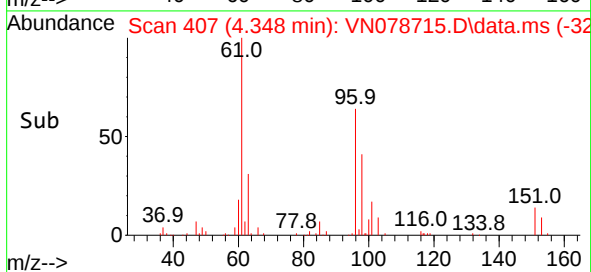
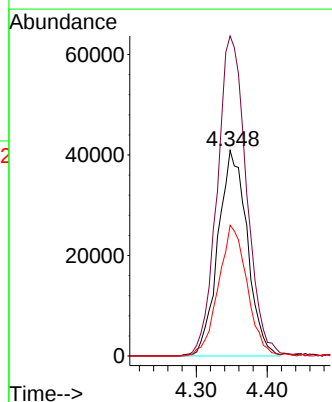
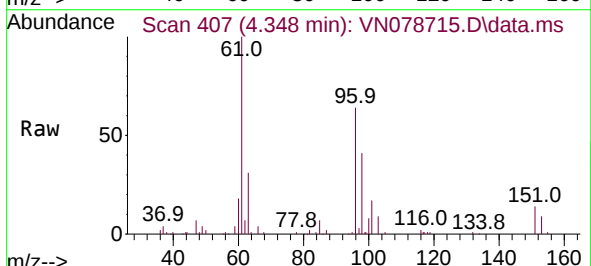
Manual Integrations
APPROVED

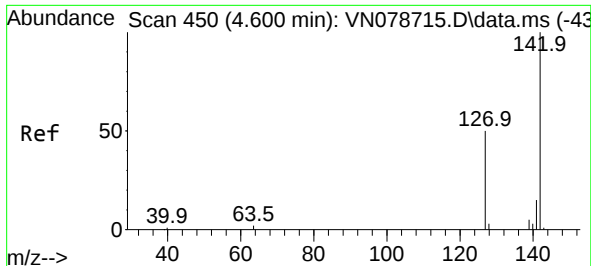
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#10
1,1-Dichloroethene
Concen: 21.931 ug/l
RT: 4.348 min Scan# 407
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

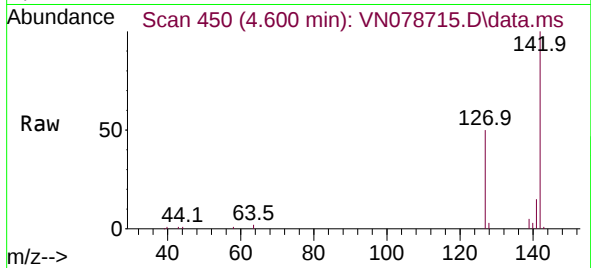
Tgt Ion: 96 Resp: 116719
Ion Ratio Lower Upper
96 100
61 155.7 123.4 185.2
98 63.6 53.7 80.5





#11
Methyl Iodide
Concen: 21.401 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

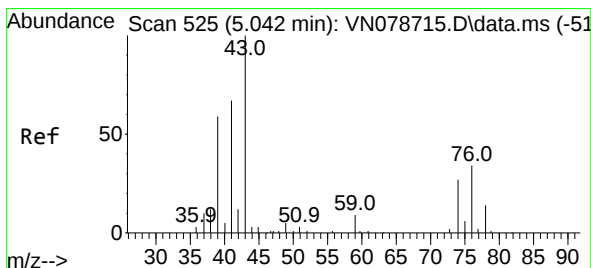
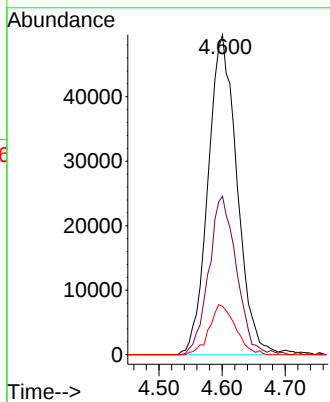
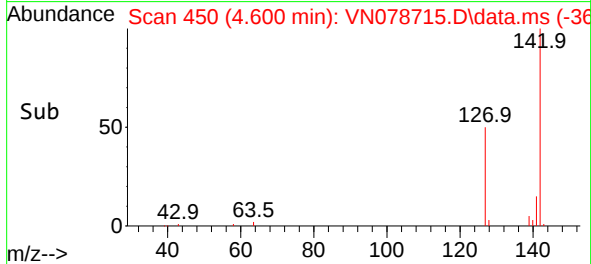
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 15778
Ion Ratio Lower Upper
142 100
127 49.5 23.2 69.5
141 15.2 7.2 21.7

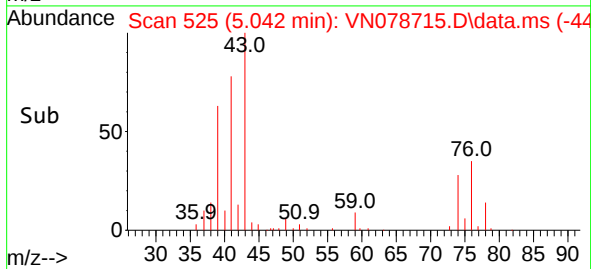
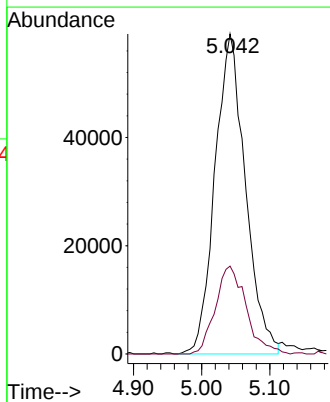
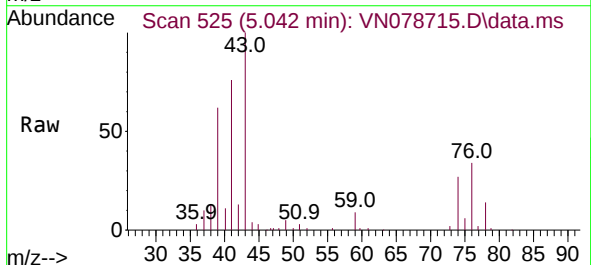
Manual Integrations
APPROVED

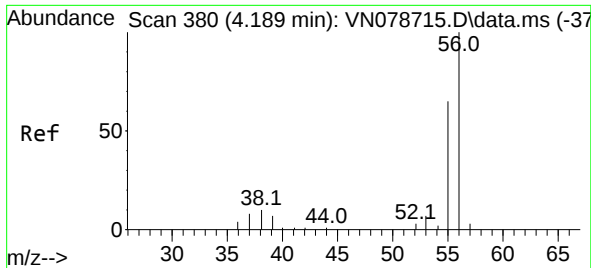
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#12
Methyl Acetate
Concen: 23.320 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

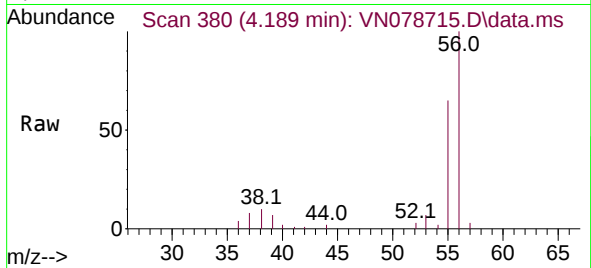
Tgt Ion: 43 Resp: 183351
Ion Ratio Lower Upper
43 100
74 27.2 20.5 30.7





#13
Acrolein
Concen: 105.358 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

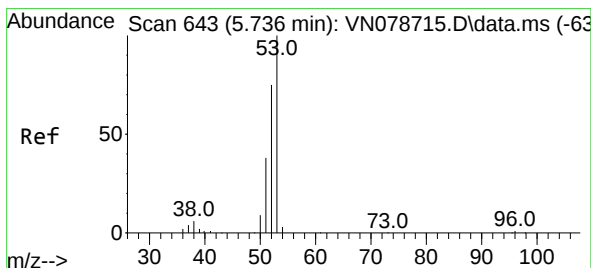
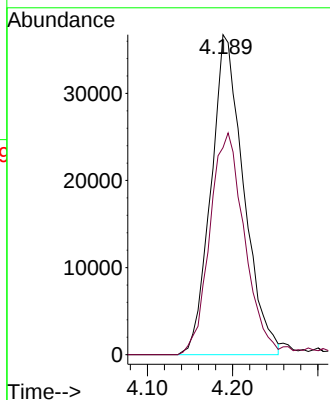
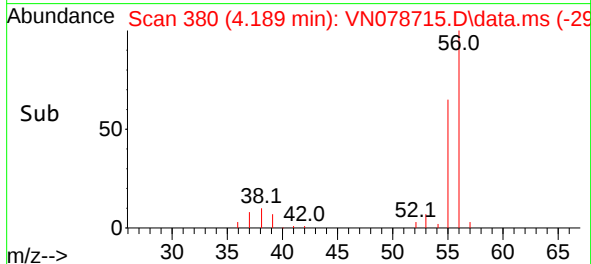
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



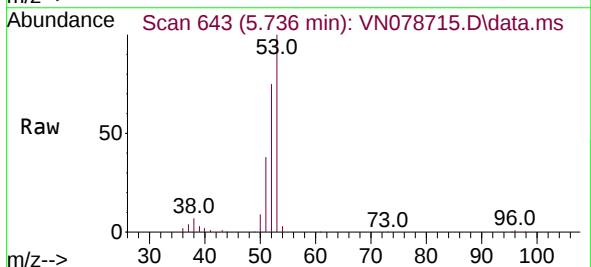
Tgt Ion: 56 Resp: 9778
Ion Ratio Lower Upper
56 100
55 73.3 59.0 88.4

Manual Integrations
APPROVED

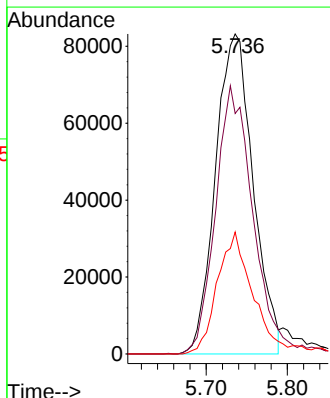
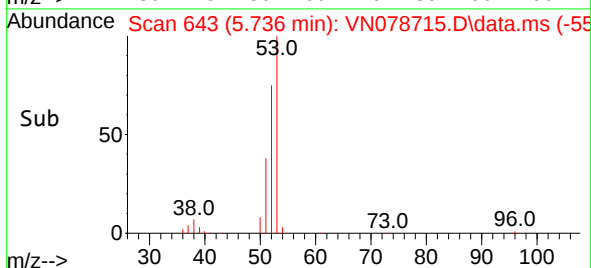
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

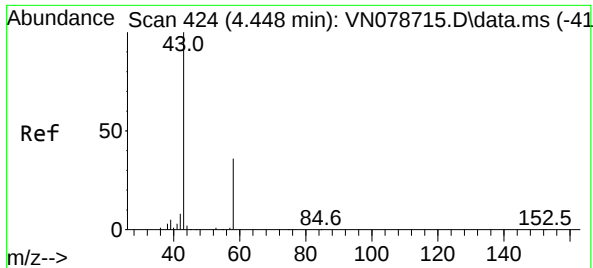


#14
Acrylonitrile
Concen: 117.694 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



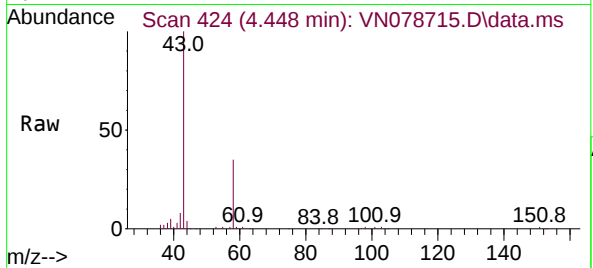
Tgt Ion: 53 Resp: 268053
Ion Ratio Lower Upper
53 100
52 82.7 42.3 126.9
51 35.3 18.4 55.4





#15
Acetone
Concen: 111.976 ug/l
RT: 4.448 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

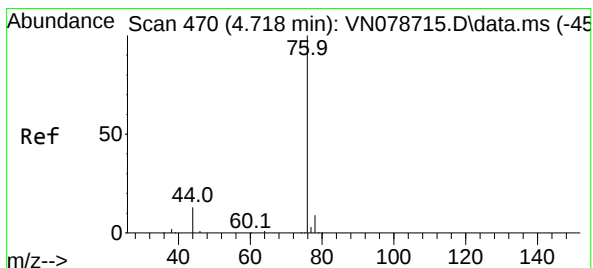
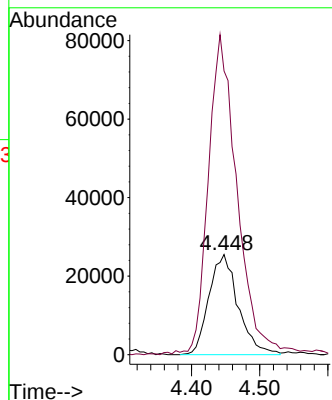
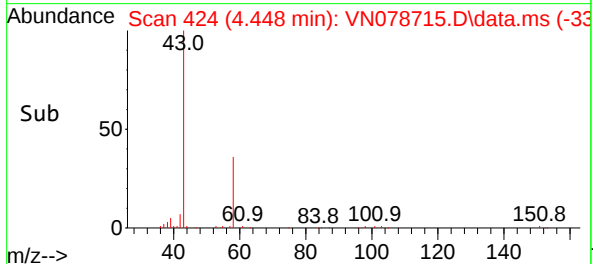
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 58 Resp: 76220
Ion Ratio Lower Upper
58 100
43 280.8 227.5 341.3

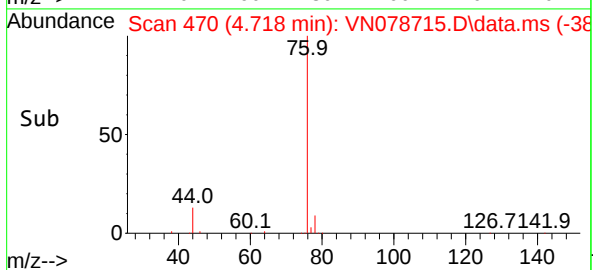
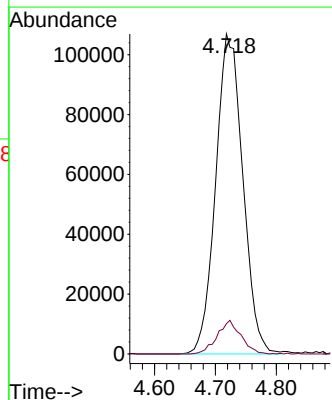
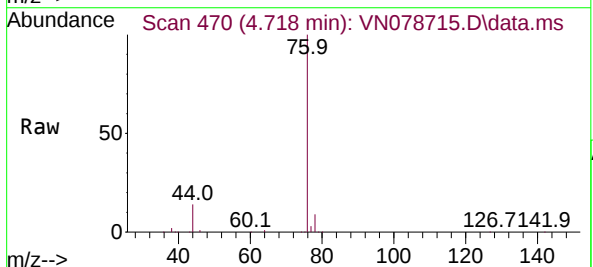
Manual Integrations
APPROVED

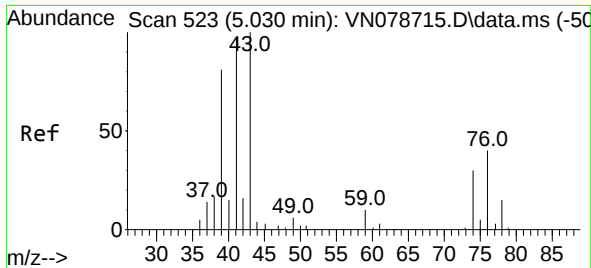
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#16
Carbon Disulfide
Concen: 21.772 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

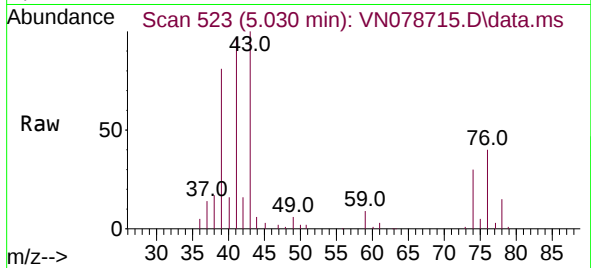
Tgt Ion: 76 Resp: 331012
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5





#17
 Allyl chloride
 Concen: 22.761 ug/l m
 RT: 5.030 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11

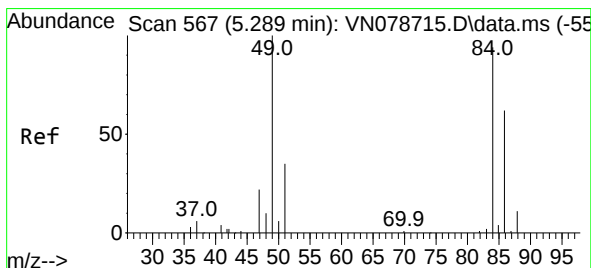
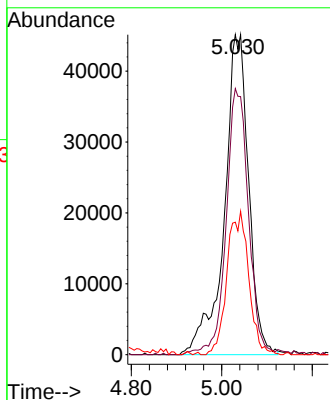
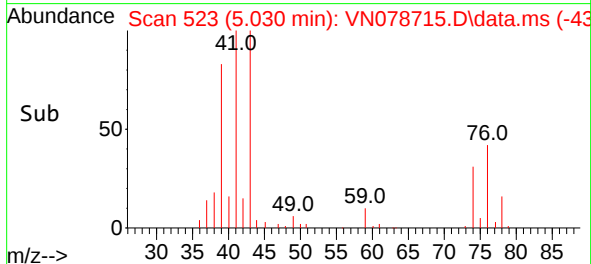
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 41 Resp: 168730
 Ion Ratio Lower Upper
 41 100
 39 83.1 37.6 112.8
 76 41.4 23.8 71.4

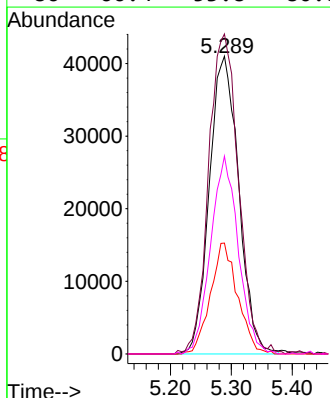
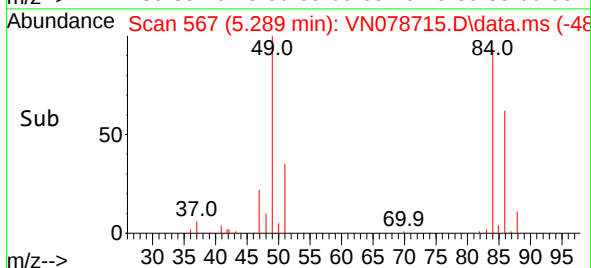
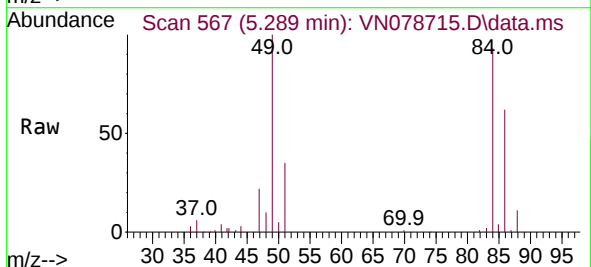
Manual Integrations
 APPROVED

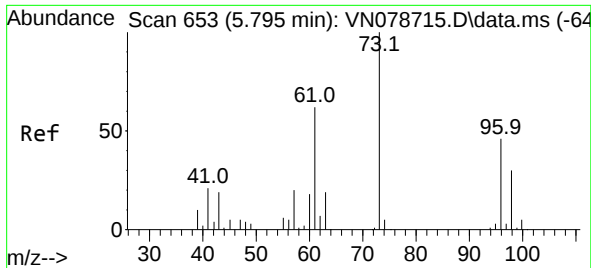
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#18
 Methylene Chloride
 Concen: 23.891 ug/l
 RT: 5.289 min Scan# 567
 Delta R.T. -0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11

Tgt Ion: 84 Resp: 137353
 Ion Ratio Lower Upper
 84 100
 49 106.7 88.1 132.1
 51 37.2 24.0 36.0#
 86 66.4 53.8 80.8





#19

trans-1,2-Dichloroethene

Concen: 20.993 ug/l m

RT: 5.795 min Scan# 653

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 96 Resp: 130134

Ion Ratio Lower Upper

96 100

61 134.2 105.2 157.8

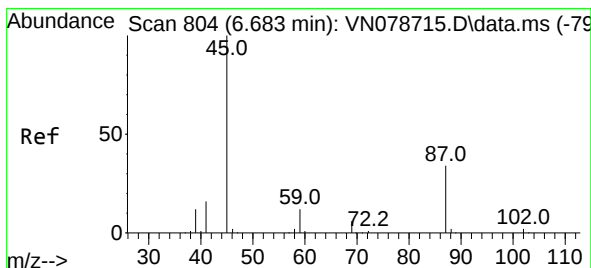
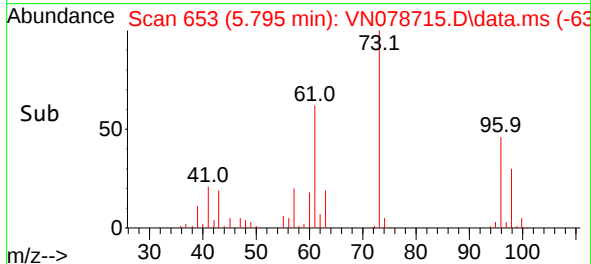
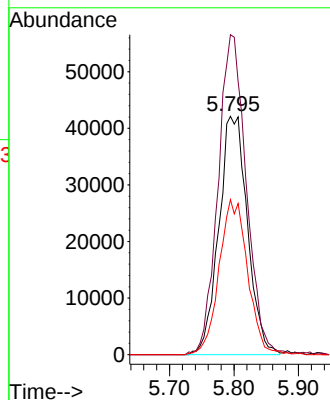
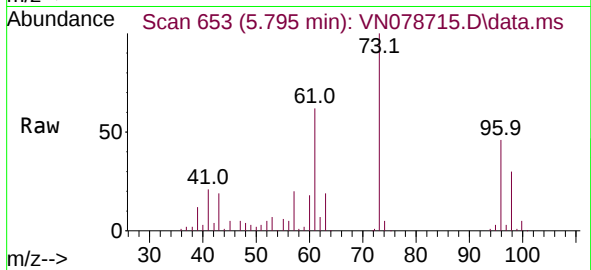
98 65.1 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#20

Diisopropyl ether

Concen: 21.956 ug/l

RT: 6.683 min Scan# 804

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Tgt Ion: 45 Resp: 356727

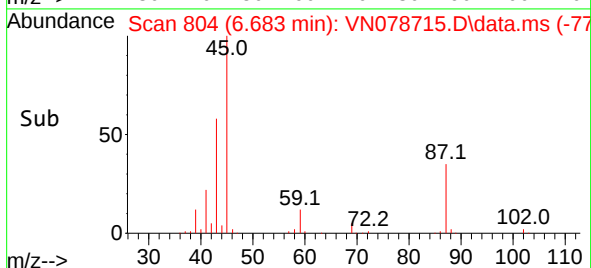
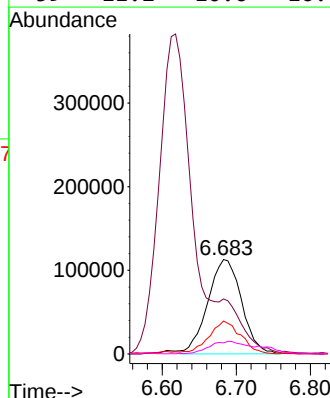
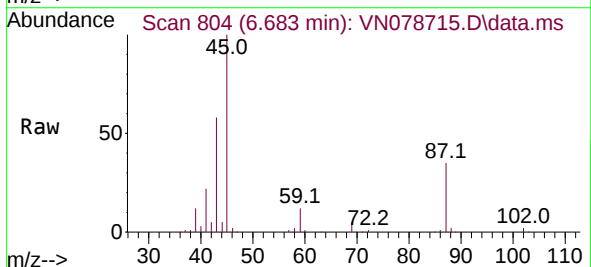
Ion Ratio Lower Upper

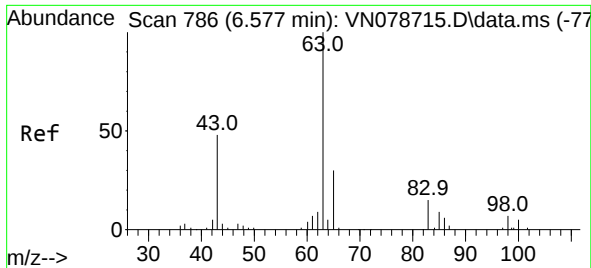
45 100

43 57.2 43.6 65.4

87 34.8 25.8 38.6

59 11.2 10.6 16.0





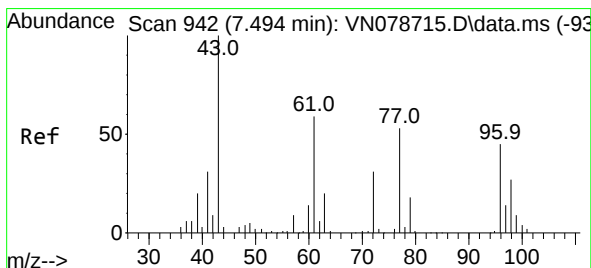
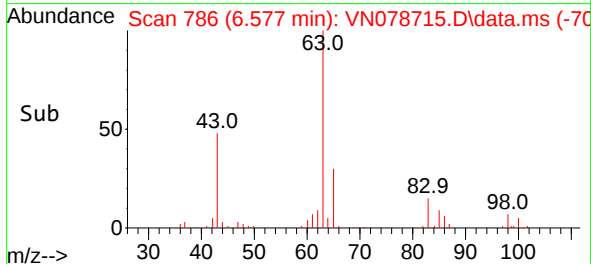
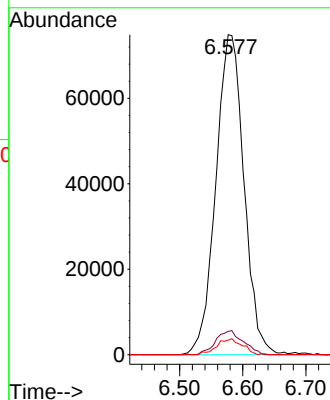
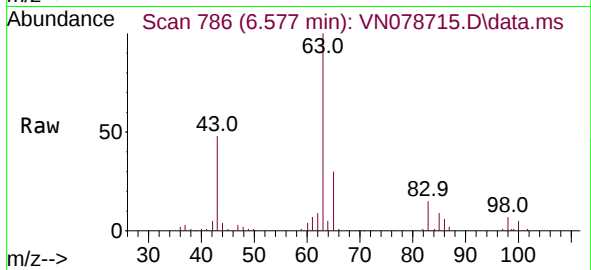
#21
1,1-Dichloroethane
Concen: 21.343 ug/l
RT: 6.577 min Scan# 786
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 231420
Ion Ratio Lower Upper
63 100
98 7.8 2.7 8.1
100 4.6 2.5 7.4

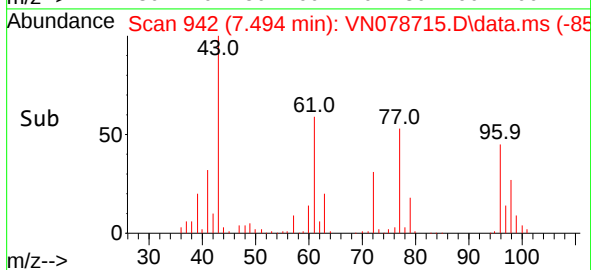
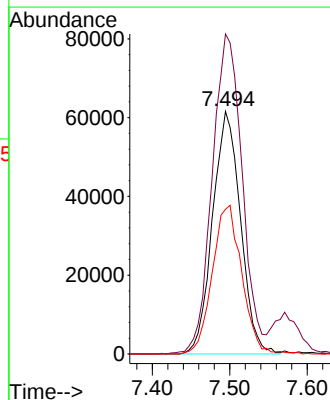
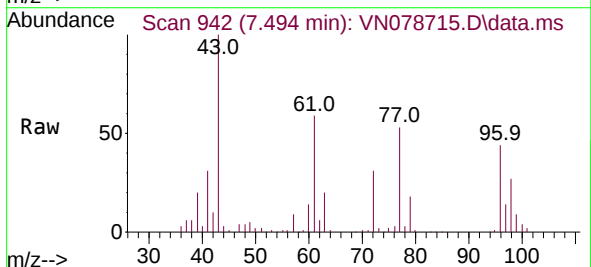
Manual Integrations
APPROVED

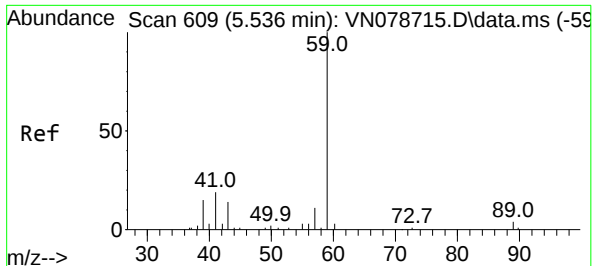
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#22
cis-1,2-Dichloroethene
Concen: 22.403 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

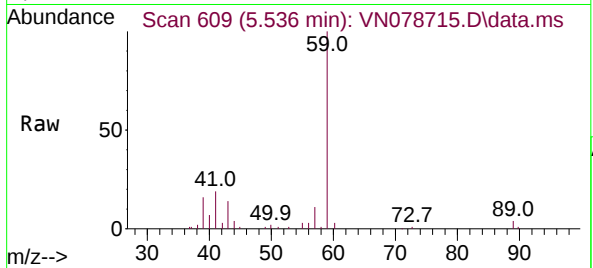
Tgt Ion: 96 Resp: 154211
Ion Ratio Lower Upper
96 100
61 141.9 113.8 170.6
98 64.0 52.2 78.4





#23
tert-Butyl Alcohol
Concen: 106.448 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

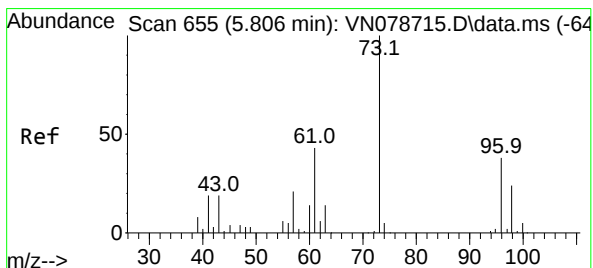
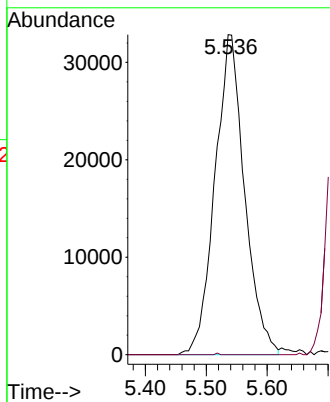
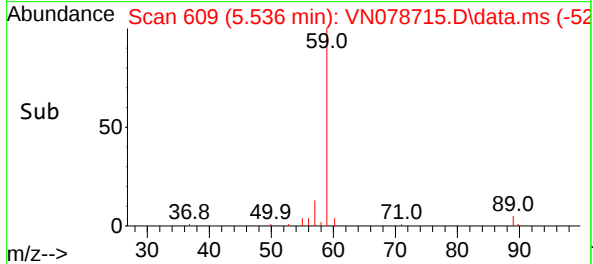
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



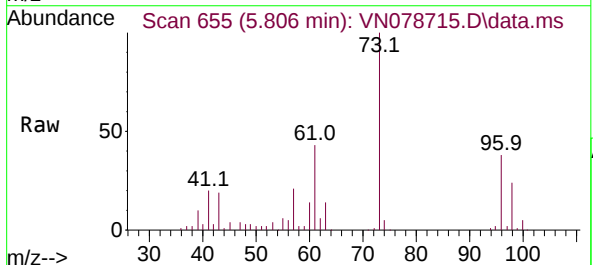
Tgt Ion: 59 Resp: 110918
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

Manual Integrations
APPROVED

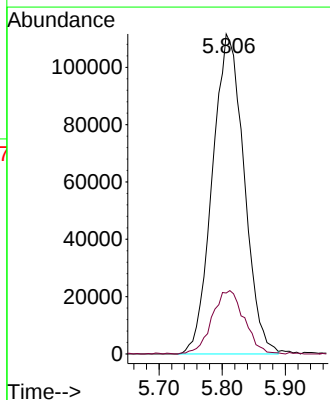
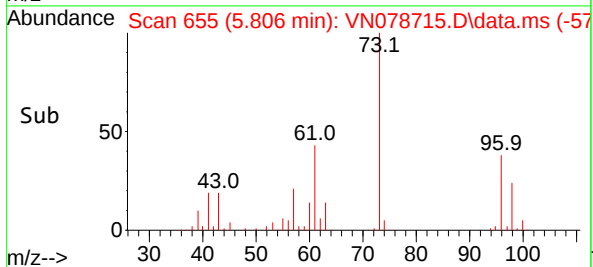
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

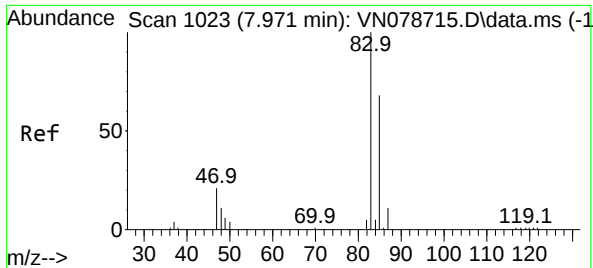


#24
Methyl tert-Butyl Ether
Concen: 21.674 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



Tgt Ion: 73 Resp: 388674
Ion Ratio Lower Upper
73 100
43 20.2 14.5 21.7





#25

Chloroform

Concen: 21.922 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 248240

Ion Ratio Lower Upper

83 100

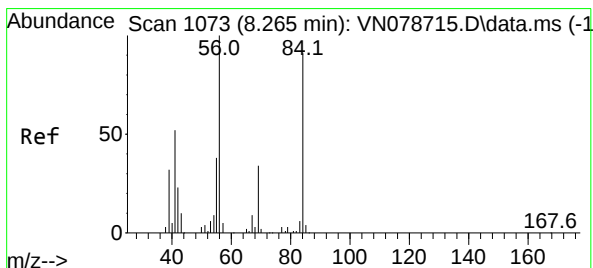
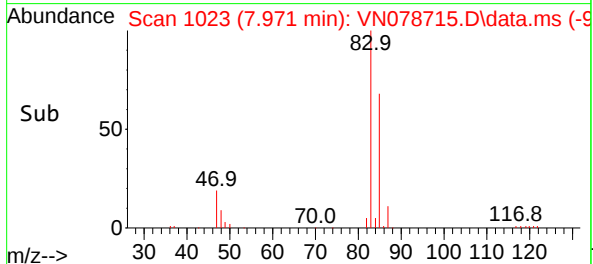
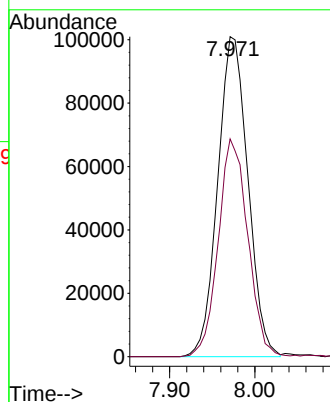
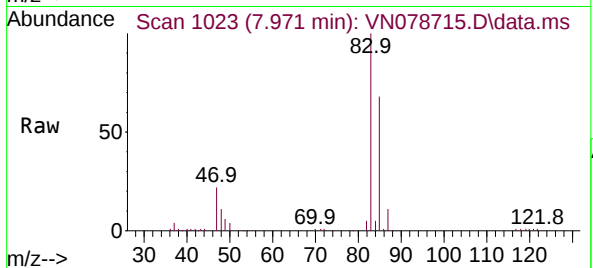
85 68.0 53.4 80.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#26

Cyclohexane

Concen: 23.367 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

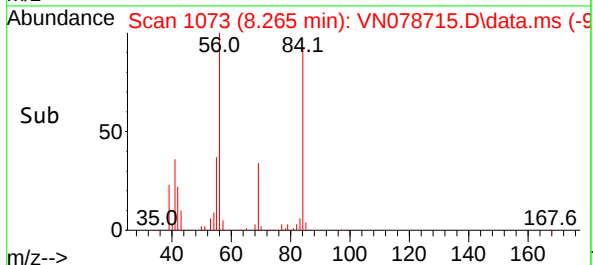
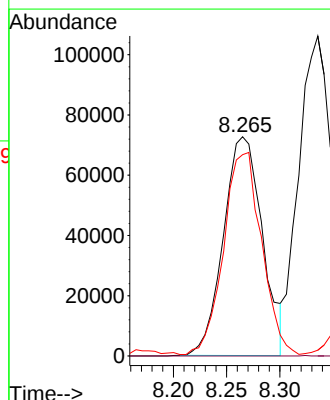
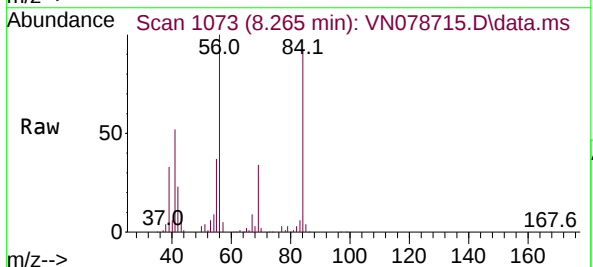
Tgt Ion: 56 Resp: 184890

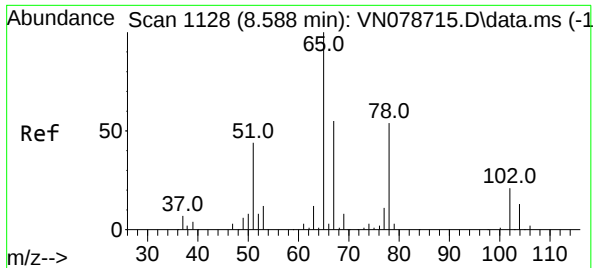
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

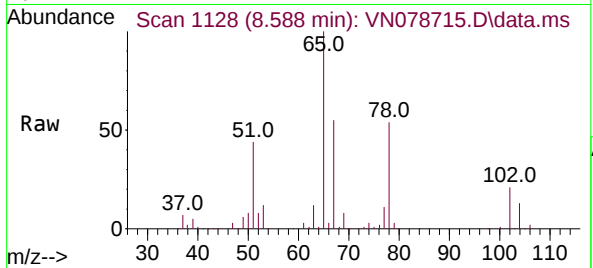
84 91.3 74.2 111.4





#27
1,2-Dichloroethane-d4
Concen: 29.199 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

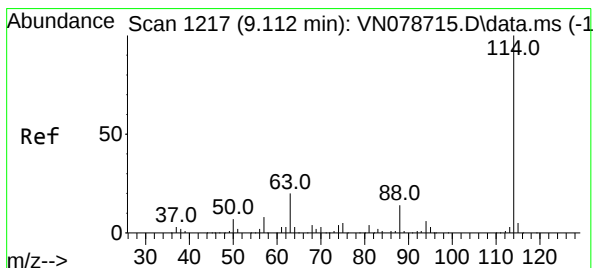
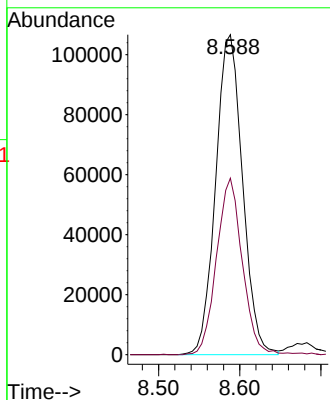
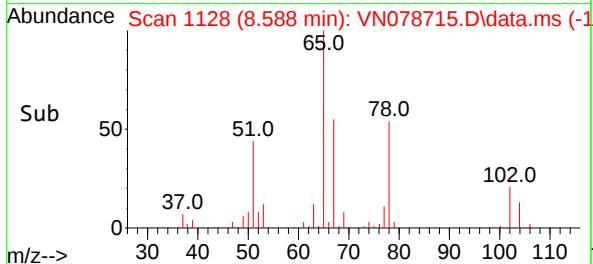
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



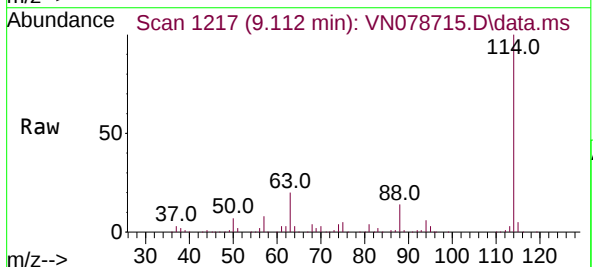
Tgt Ion: 65 Resp: 245488
Ion Ratio Lower Upper
65 100
67 52.6 42.9 64.3

Manual Integrations
APPROVED

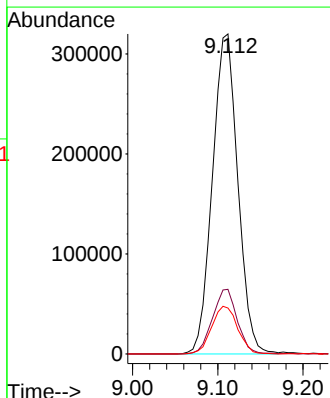
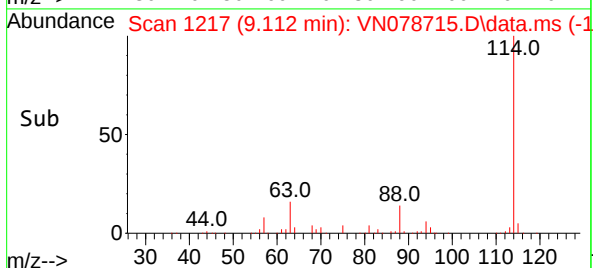
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

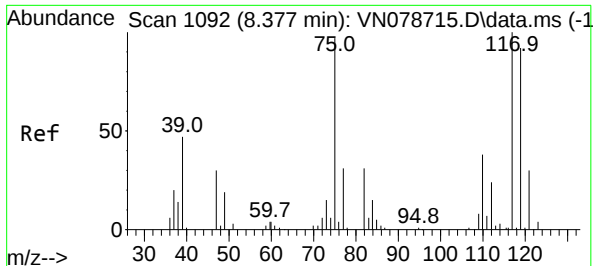


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



Tgt Ion:114 Resp: 663817
Ion Ratio Lower Upper
114 100
63 19.6 15.2 22.8
88 15.3 12.5 18.7





#29

1,1-Dichloropropene

Concen: 22.159 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 18164

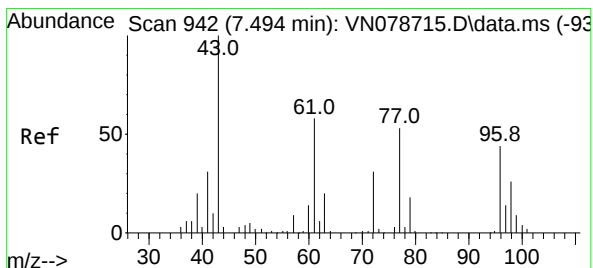
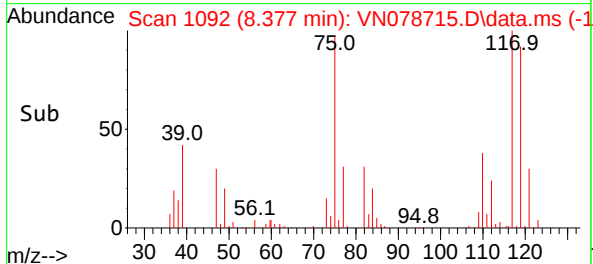
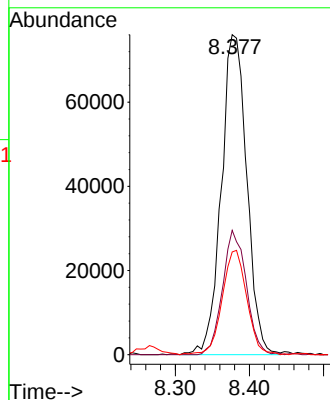
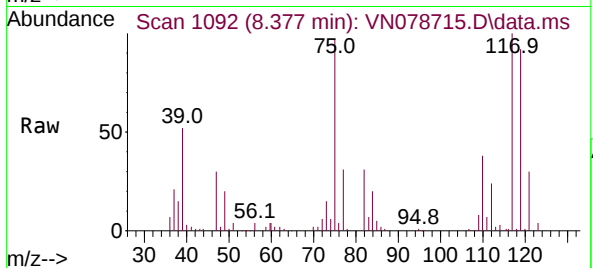
Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	72.2
77	31.3	0.0	62.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#30

2-Butanone

Concen: 112.907 ug/l

RT: 7.494 min Scan# 942

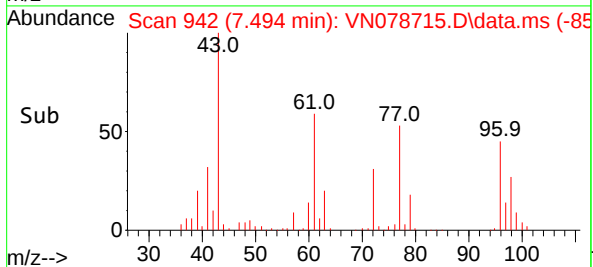
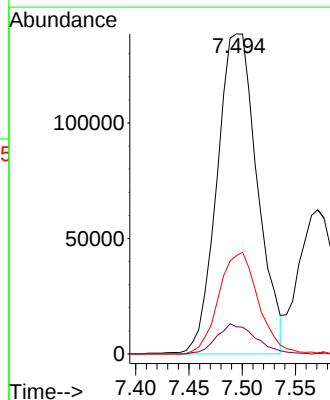
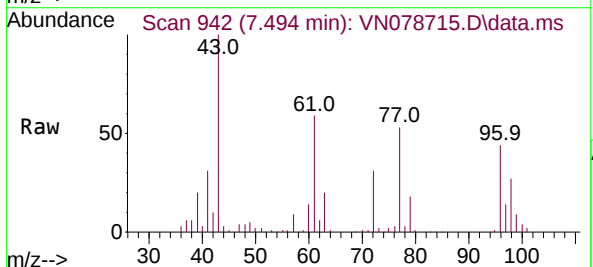
Delta R.T. 0.000 min

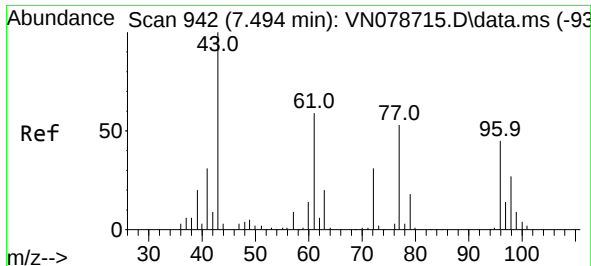
Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Tgt Ion: 43 Resp: 364464

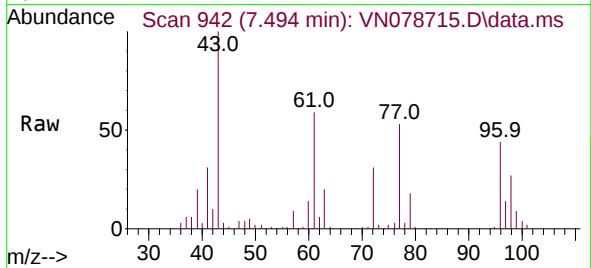
Ion	Ratio	Lower	Upper
43	100		
57	9.1	6.8	10.2
72	31.2	23.8	35.6





#31
2,2-Dichloropropane
Concen: 22.783 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

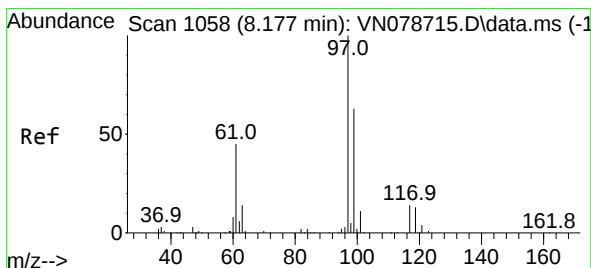
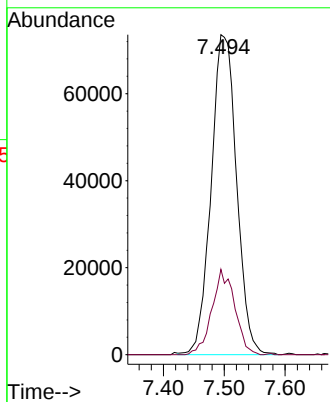
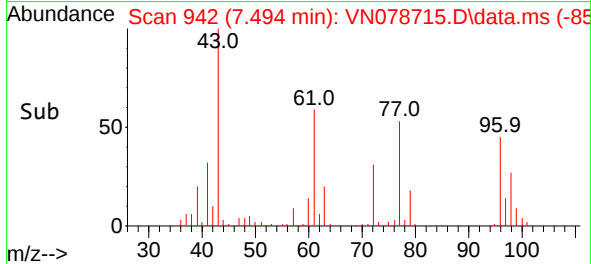
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



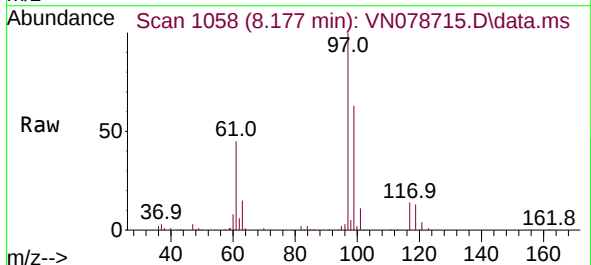
Tgt Ion: 77 Resp: 213490
Ion Ratio Lower Upper
77 100
97 23.9 18.8 28.2

Manual Integrations
APPROVED

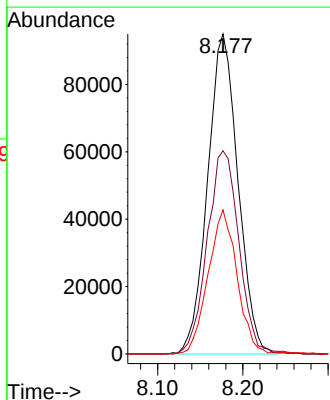
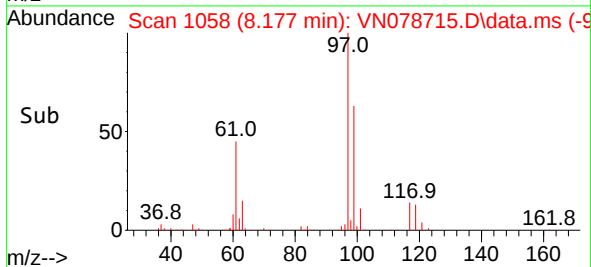
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

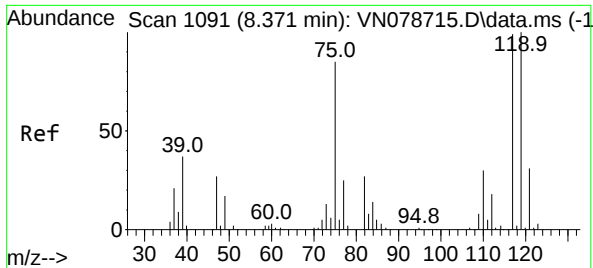


#32
1,1,1-Trichloroethane
Concen: 22.429 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



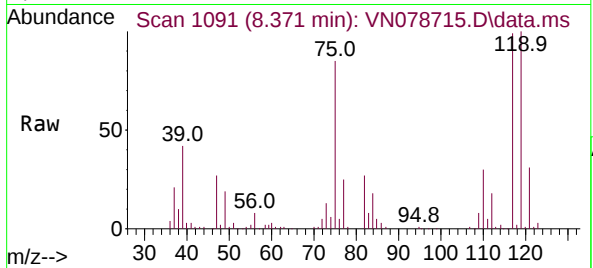
Tgt Ion: 97 Resp: 235028
Ion Ratio Lower Upper
97 100
99 66.1 51.3 76.9
61 42.7 34.6 52.0





#33
Carbon Tetrachloride
Concen: 22.176 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

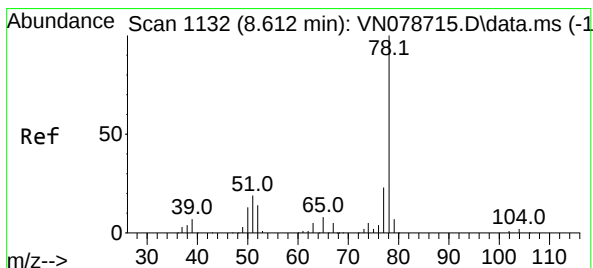
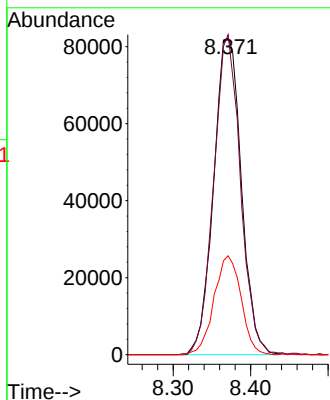
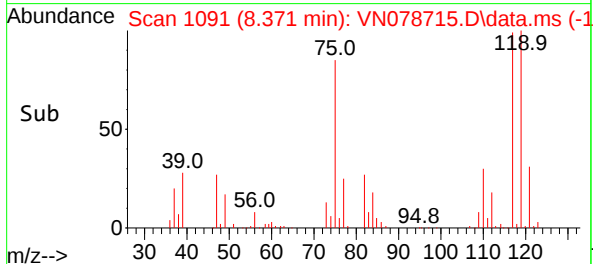
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:117 Resp: 20478
Ion Ratio Lower Upper
117 100
119 101.1 81.4 122.0
121 31.2 23.6 35.4

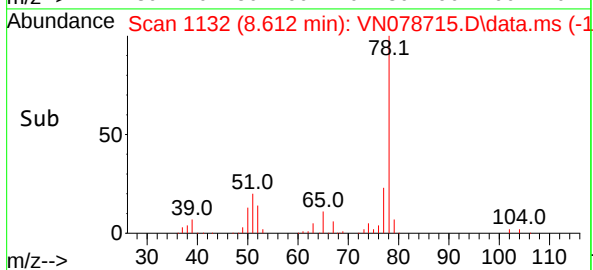
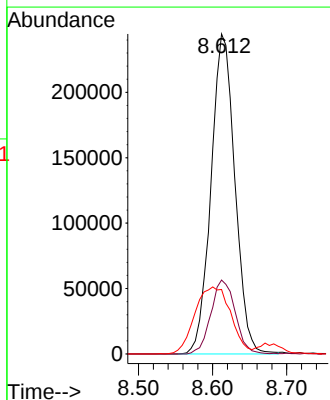
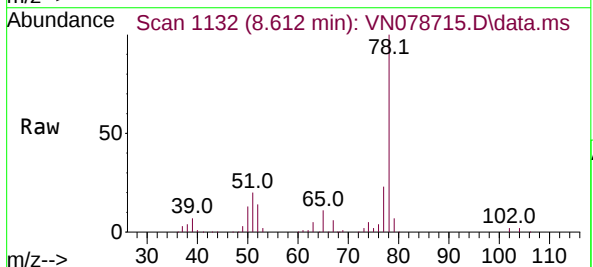
Manual Integrations
APPROVED

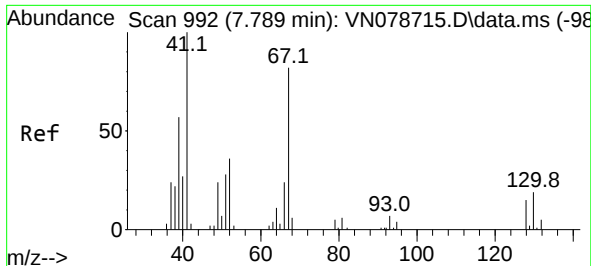
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#34
Benzene
Concen: 22.164 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

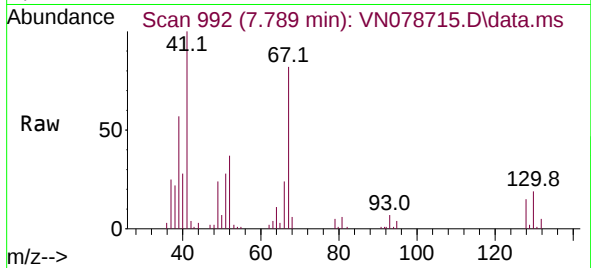
Tgt Ion: 78 Resp: 547720
Ion Ratio Lower Upper
78 100
77 23.1 18.3 27.5
51 18.9 13.7 20.5





#35
Methacrylonitrile
Concen: 21.977 ug/l
RT: 7.789 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

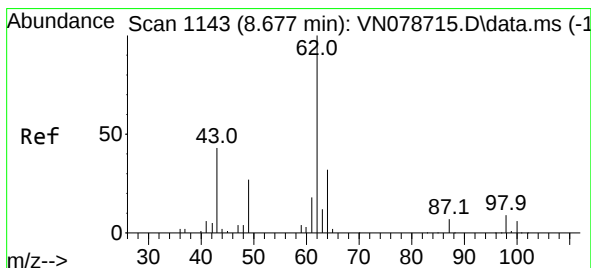
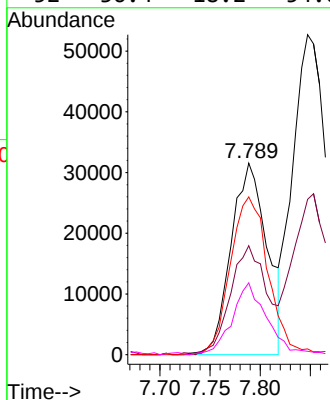
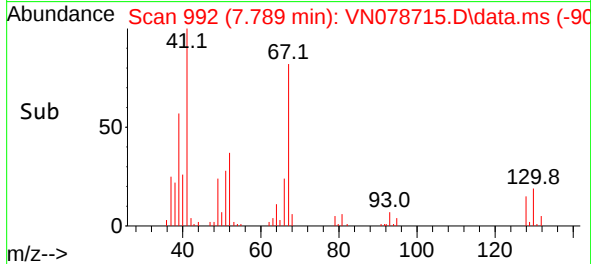
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 78940
Ion Ratio Lower Upper
41 100
39 56.9 33.9 101.6
67 82.4 45.9 137.6
52 36.4 18.2 54.6

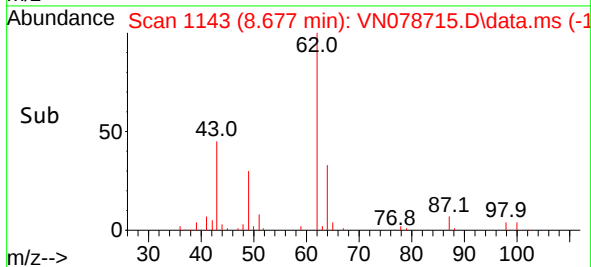
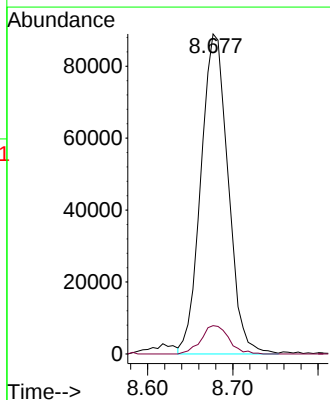
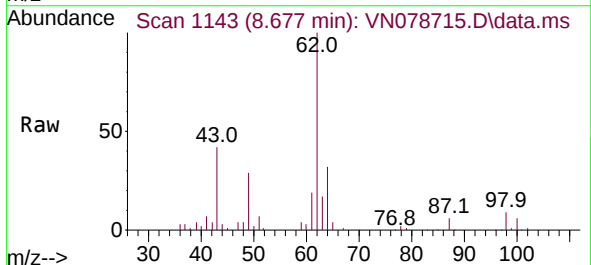
Manual Integrations
APPROVED

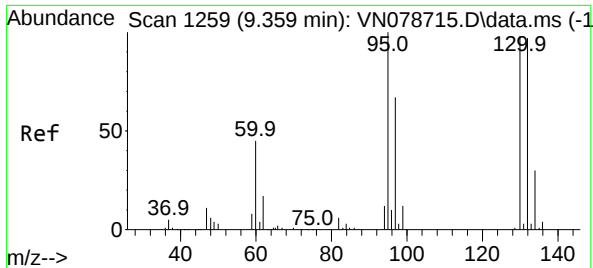
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#36
1,2-Dichloroethane
Concen: 22.677 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Tgt Ion: 62 Resp: 197695
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#37

Trichloroethene

Concen: 21.778 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:130 Resp: 14825

Ion Ratio Lower Upper

130 100

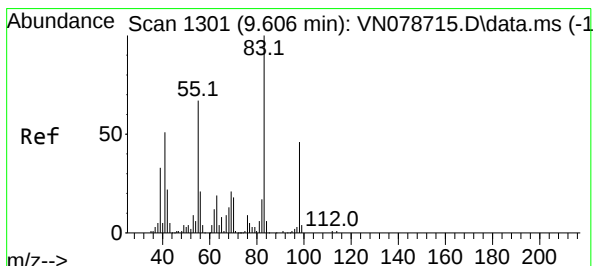
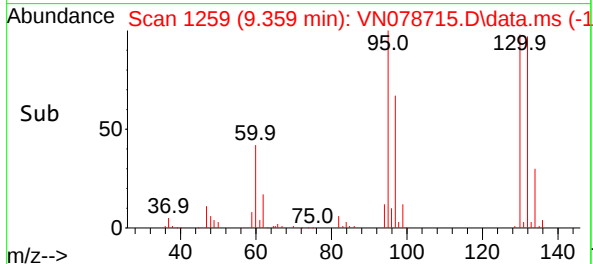
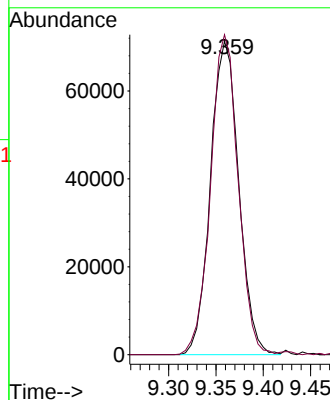
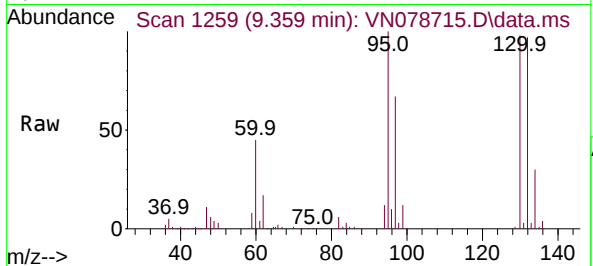
95 101.8 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#38

Methylcyclohexane

Concen: 21.896 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

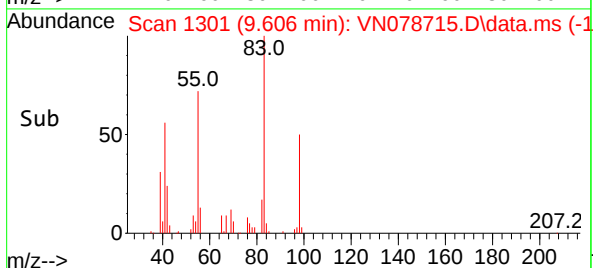
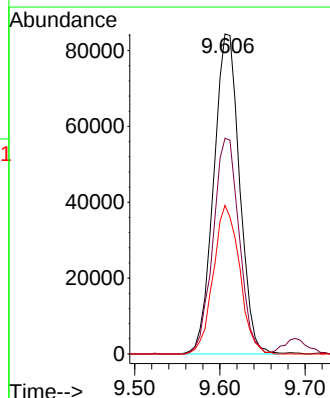
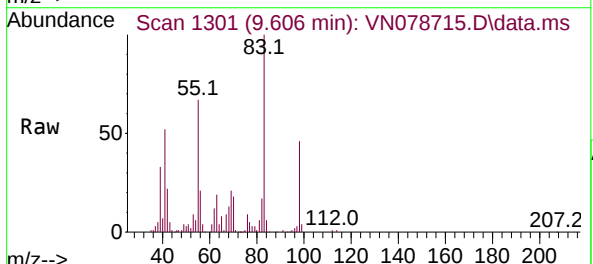
Tgt Ion: 83 Resp: 178190

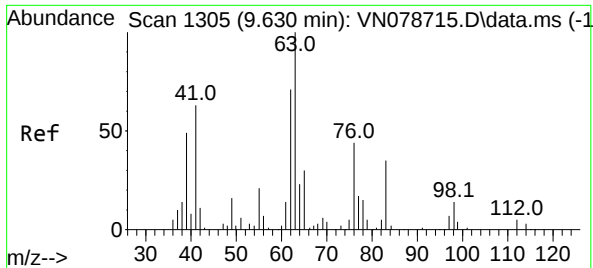
Ion Ratio Lower Upper

83 100

55 68.0 34.0 102.0

98 47.2 23.0 69.0





#39

1,2-Dichloropropane

Concen: 21.510 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 13949

Ion Ratio Lower Upper

63 100

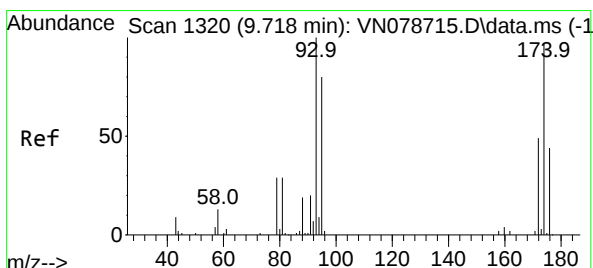
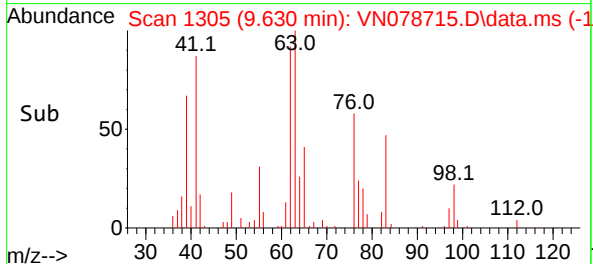
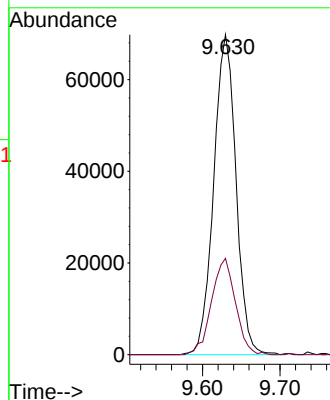
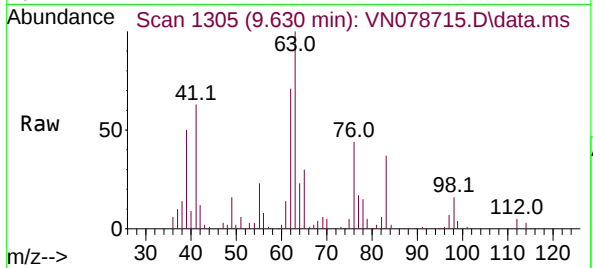
65 30.1 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#40

Dibromomethane

Concen: 21.808 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

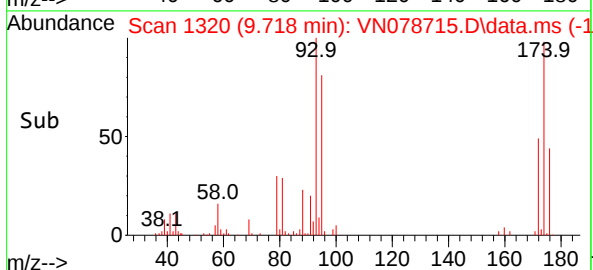
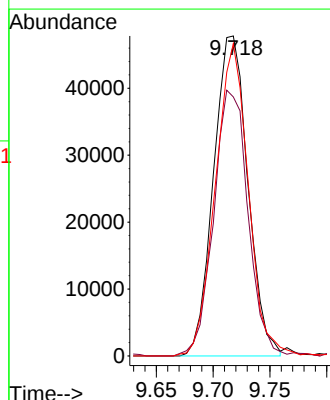
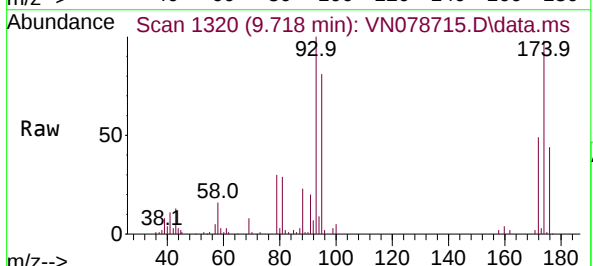
Tgt Ion: 93 Resp: 100284

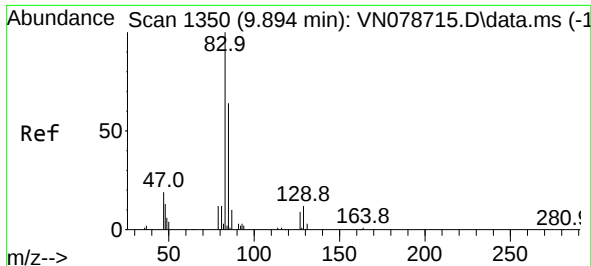
Ion Ratio Lower Upper

93 100

95 83.0 0.0 167.8

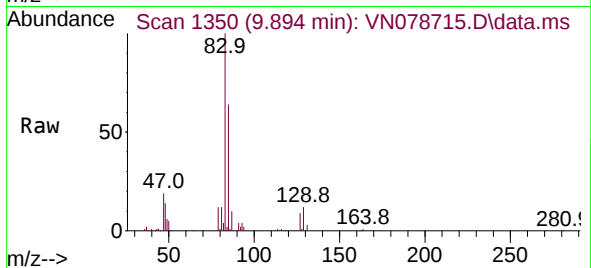
174 93.5 0.0 180.8





#41
Bromodichloromethane
Concen: 22.362 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

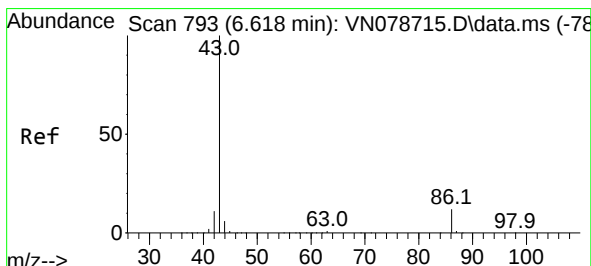
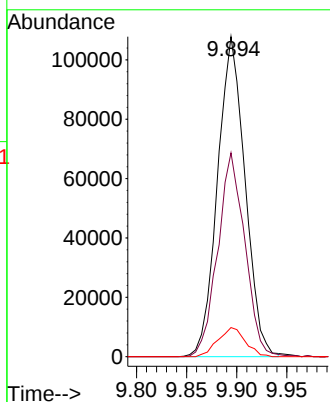
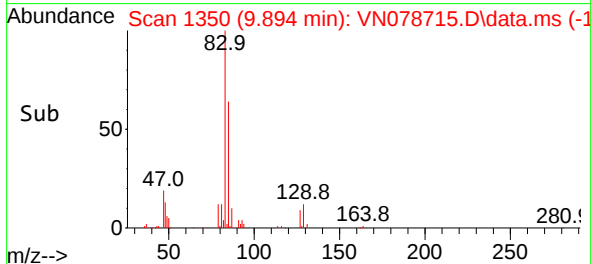
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 20579
Ion Ratio Lower Upper
83 100
85 63.7 54.1 81.1
127 9.1 7.8 11.6

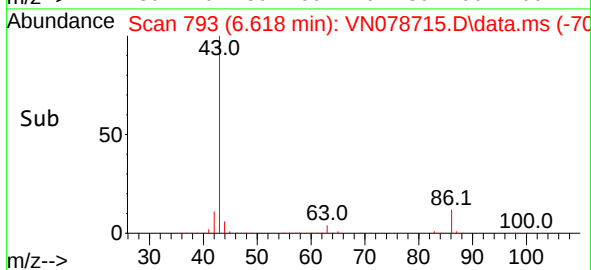
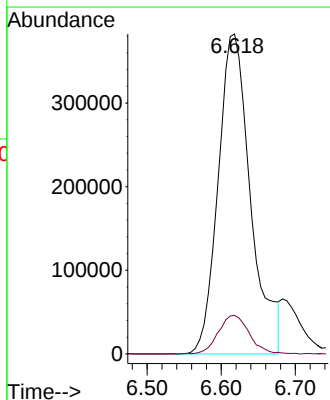
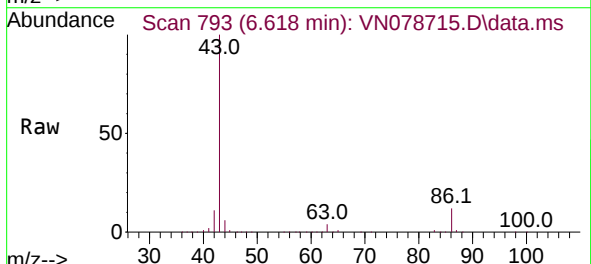
Manual Integrations
APPROVED

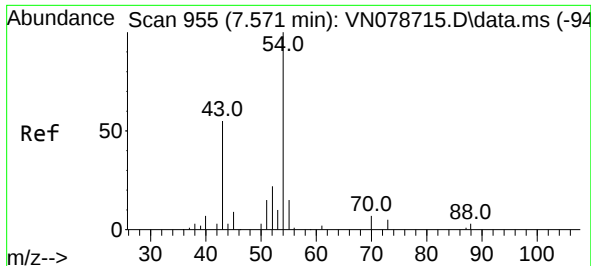
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#42
Vinyl Acetate
Concen: 107.918 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

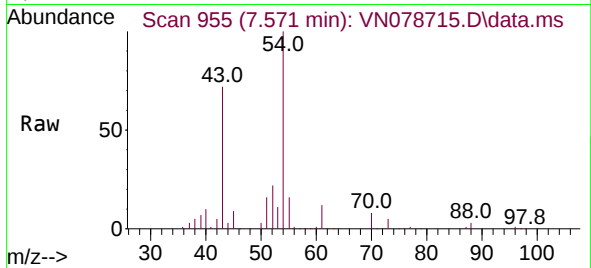
Tgt Ion: 43 Resp: 1166766
Ion Ratio Lower Upper
43 100
86 11.5 9.4 14.0





#43
Ethyl Acetate
Concen: 24.823 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

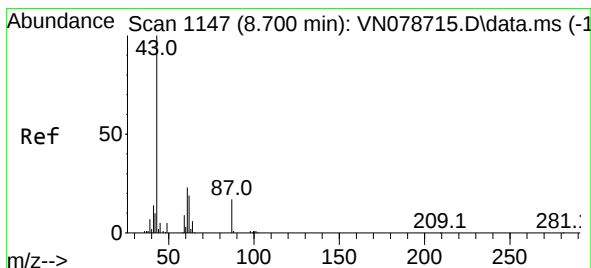
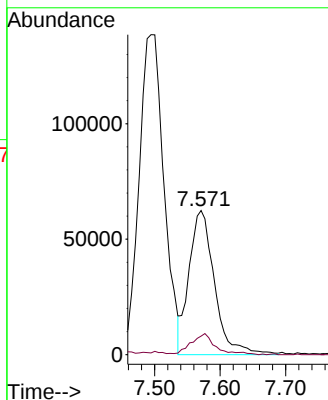
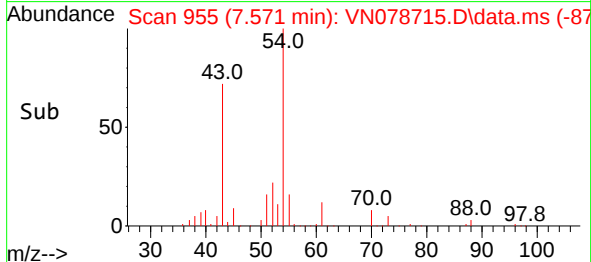
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



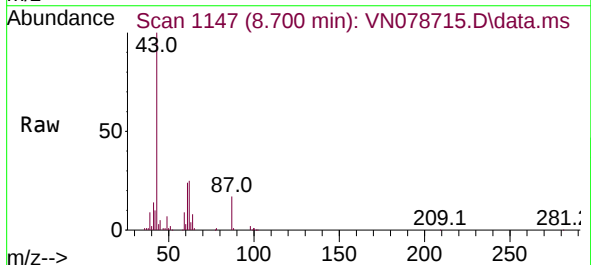
Tgt Ion: 43 Resp: 168936
Ion Ratio Lower Upper
43 100
45 13.1 10.9 16.3

Manual Integrations
APPROVED

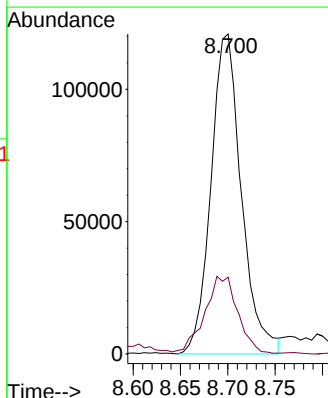
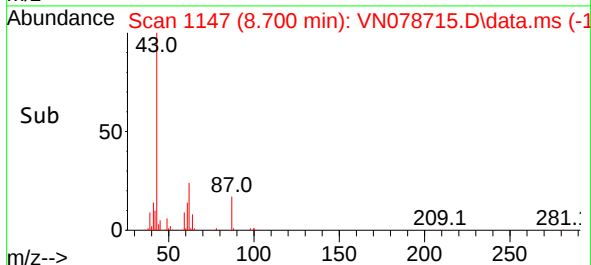
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

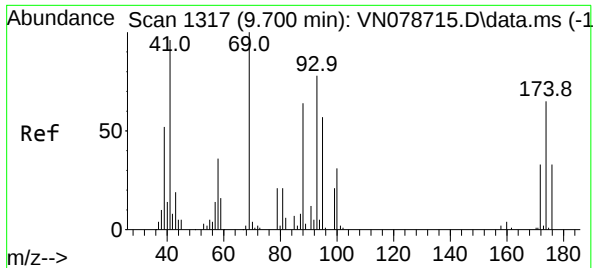


#44
Isopropyl Acetate
Concen: 22.694 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



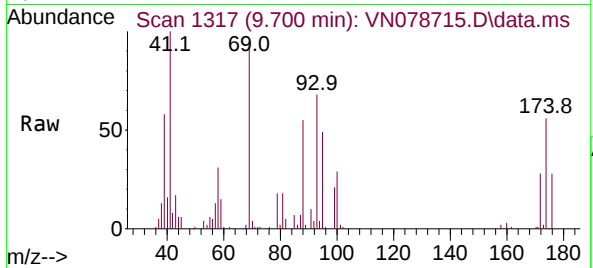
Tgt Ion: 43 Resp: 270241
Ion Ratio Lower Upper
43 100
61 25.8 23.0 34.6





#45
1,4-Dioxane
Concen: 419.837 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

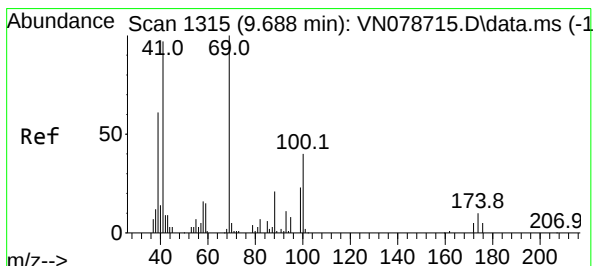
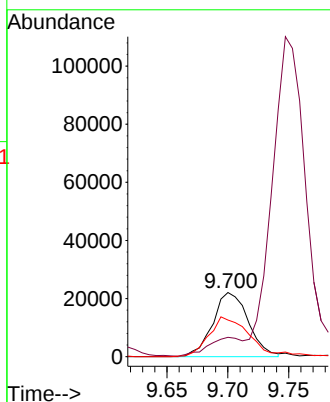
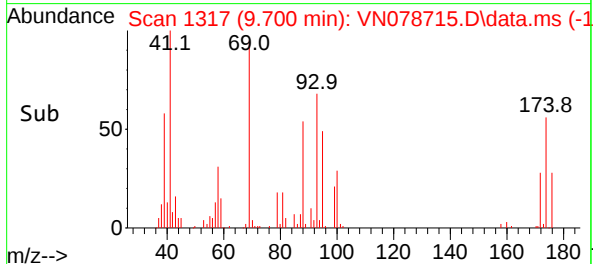
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



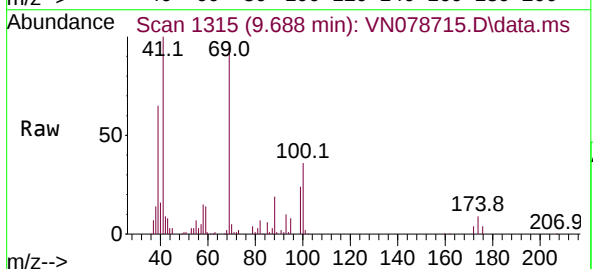
Tgt Ion: 88 Resp: 44880
Ion Ratio Lower Upper
88 100
43 27.7 19.0 28.6
58 68.2 48.2 72.2

Manual Integrations
APPROVED

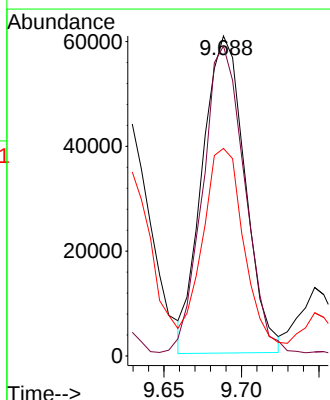
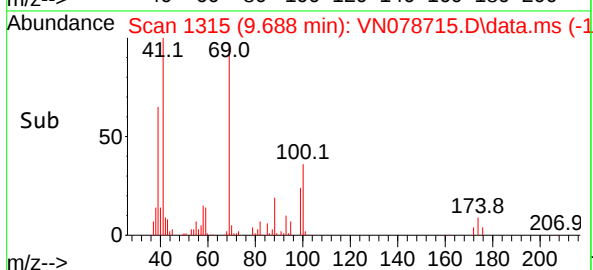
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

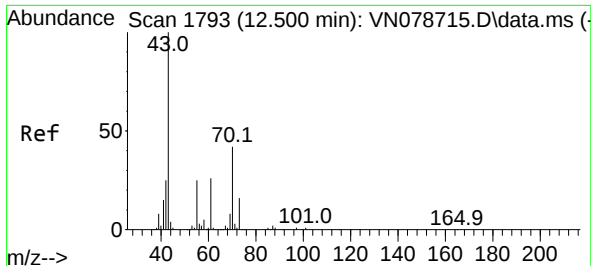


#46
Methyl methacrylate
Concen: 21.797 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



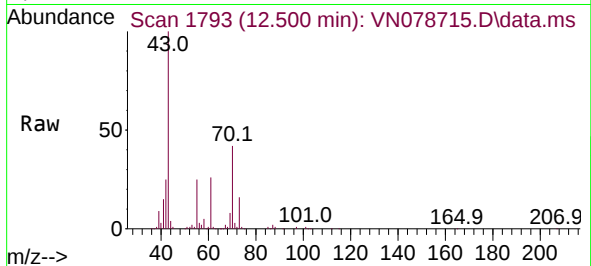
Tgt Ion: 41 Resp: 115888
Ion Ratio Lower Upper
41 100
69 98.0 49.0 147.0
39 64.5 31.6 94.8





#47
n-amy1 Acetate
Concen: 22.655 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

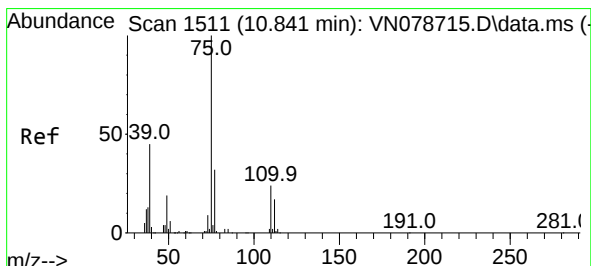
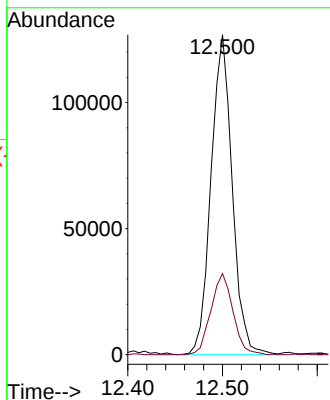
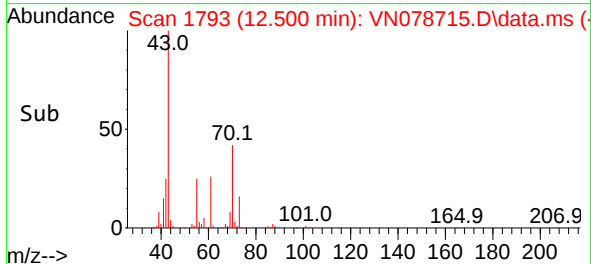
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 197362
Ion Ratio Lower Upper
43 100
55 26.4 21.5 32.3

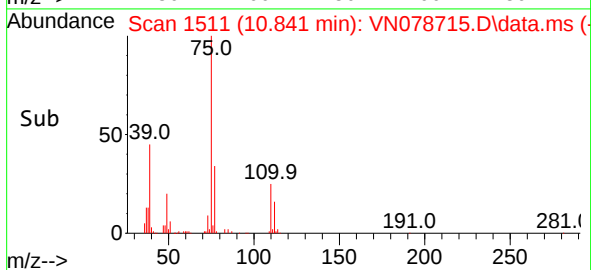
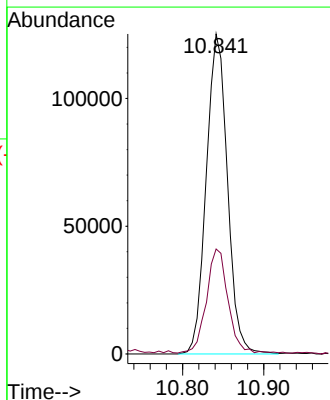
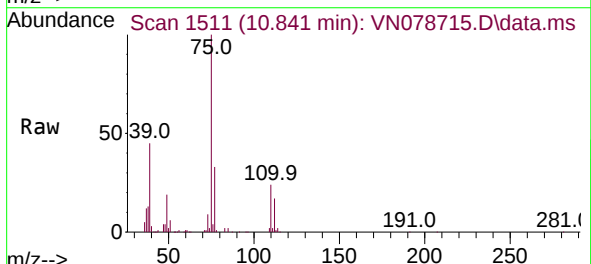
Manual Integrations
APPROVED

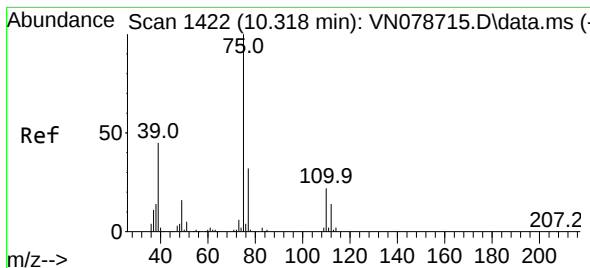
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#48
t-1,3-Dichloropropene
Concen: 23.209 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Tgt Ion: 75 Resp: 226851
Ion Ratio Lower Upper
75 100
77 32.5 26.1 39.1





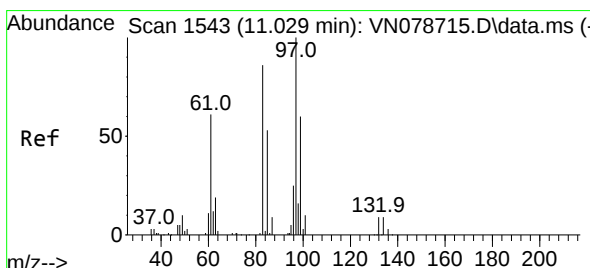
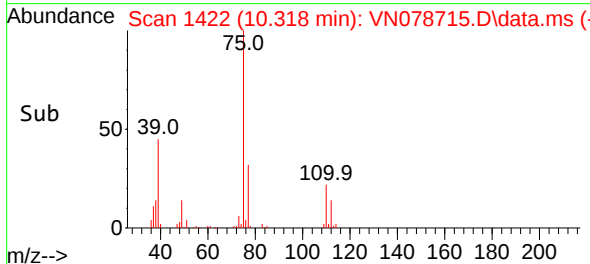
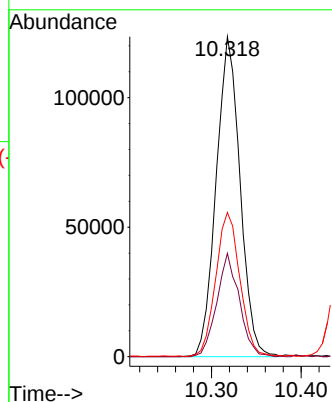
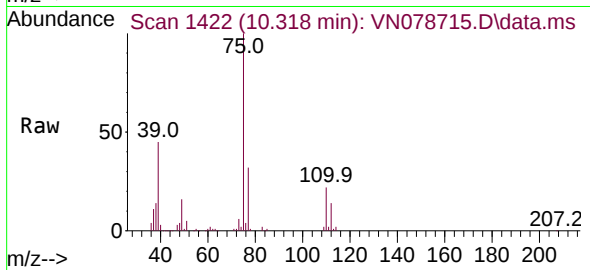
#49
 cis-1,3-Dichloropropene
 Concen: 22.060 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 75 Resp: 228459
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.0 36.0
 39 44.8 35.1 52.7

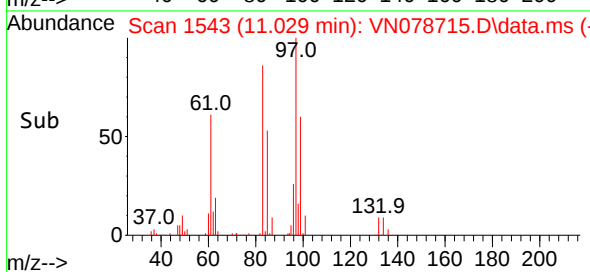
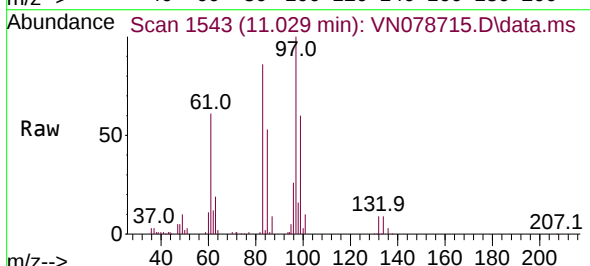
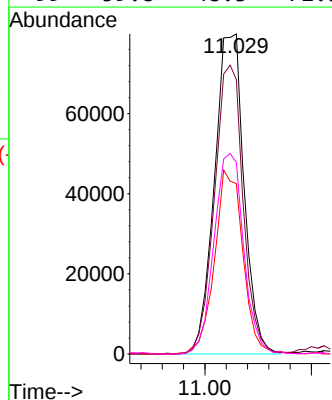
Manual Integrations
 APPROVED

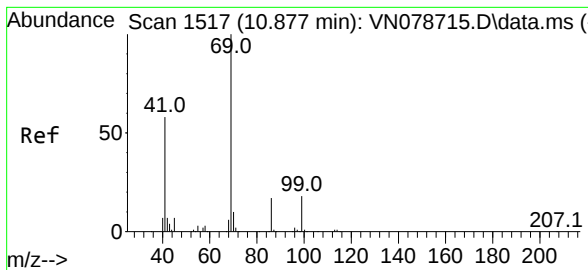
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#50
 1,1,2-Trichloroethane
 Concen: 23.241 ug/l
 RT: 11.029 min Scan# 1543
 Delta R.T. 0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11

Tgt Ion: 97 Resp: 153663
 Ion Ratio Lower Upper
 97 100
 83 85.5 66.8 100.2
 85 53.0 42.5 63.7
 99 59.8 48.3 72.5





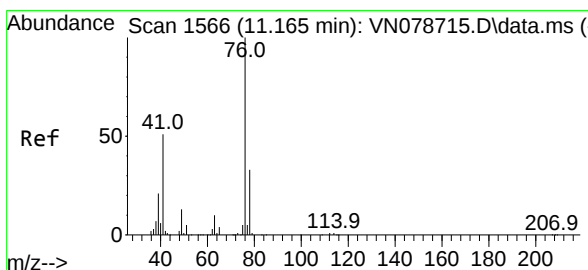
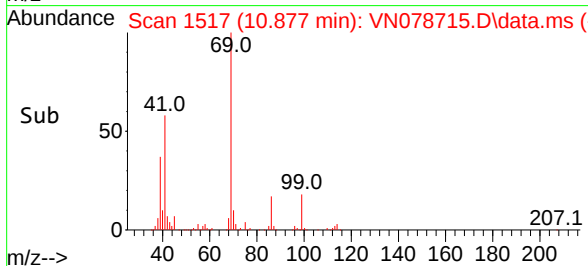
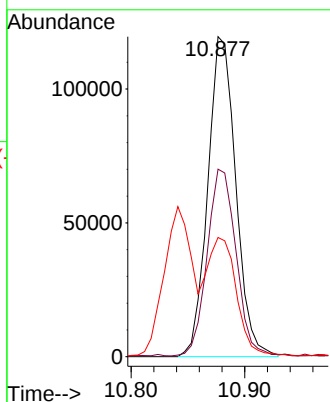
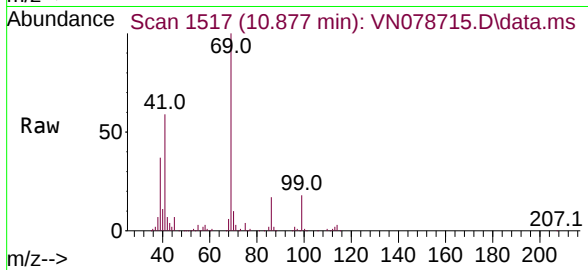
#51
Ethyl methacrylate
Concen: 23.221 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 205290
Ion Ratio Lower Upper
69 100
41 58.1 26.0 78.0
39 36.5 16.3 48.9

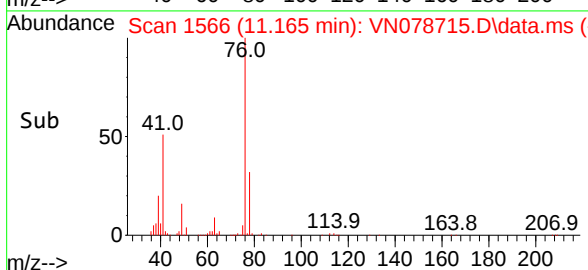
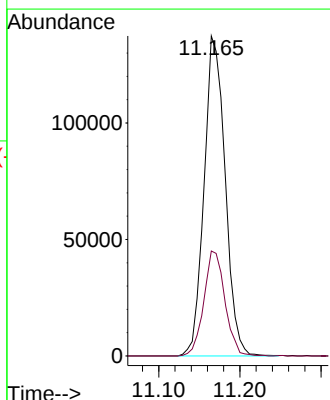
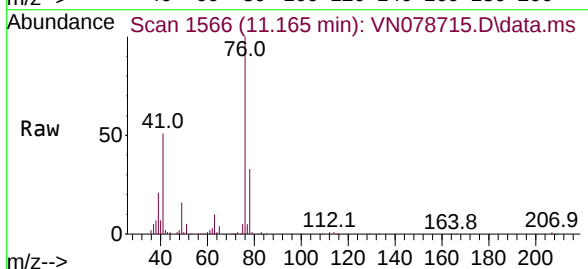
Manual Integrations
APPROVED

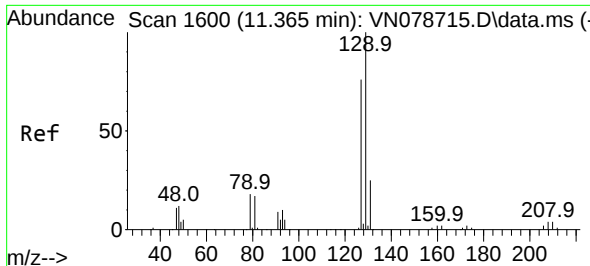
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#52
1,3-Dichloropropane
Concen: 20.610 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

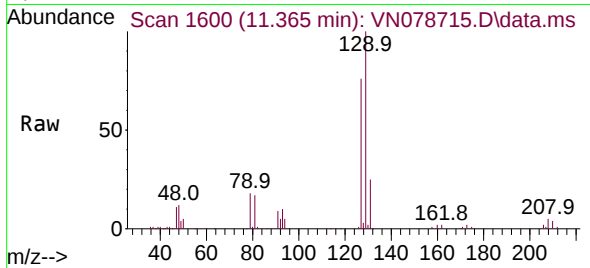
Tgt Ion: 76 Resp: 247530
Ion Ratio Lower Upper
76 100
78 32.8 0.0 66.2





#53
Dibromochloromethane
Concen: 23.424 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

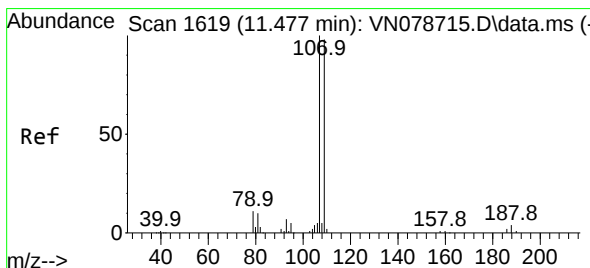
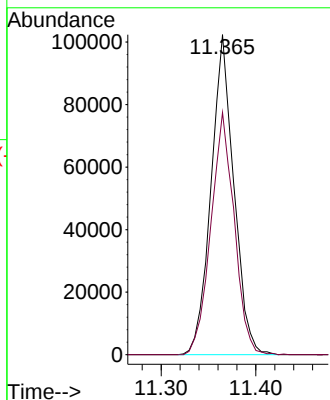
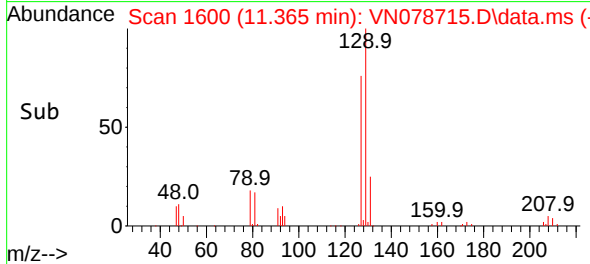
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



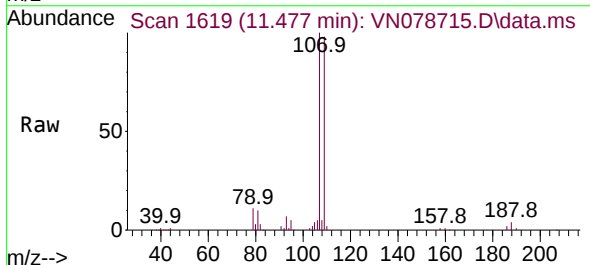
Tgt Ion:129 Resp: 171229
Ion Ratio Lower Upper
129 100
127 77.4 39.4 118.1

Manual Integrations
APPROVED

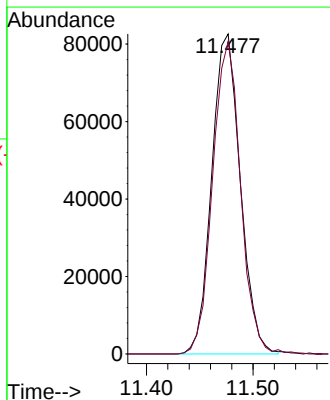
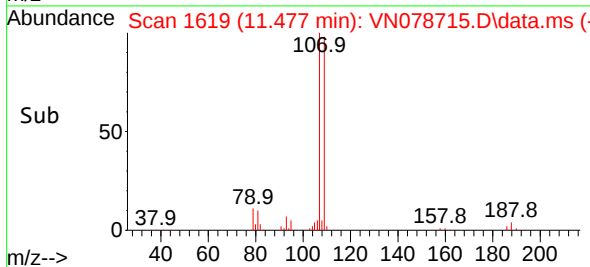
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

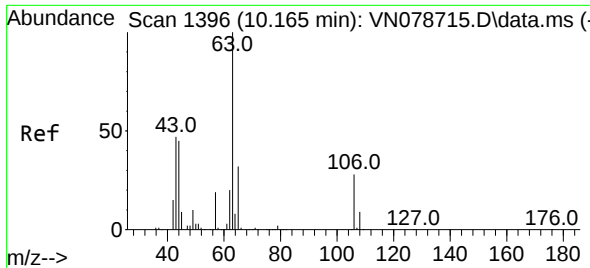


#54
1,2-Dibromoethane
Concen: 23.561 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. -0.001 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



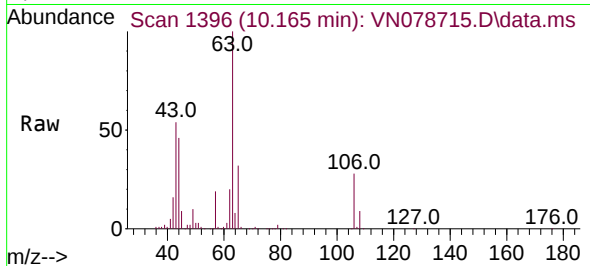
Tgt Ion:107 Resp: 153795
Ion Ratio Lower Upper
107 100
109 95.4 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 117.537 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

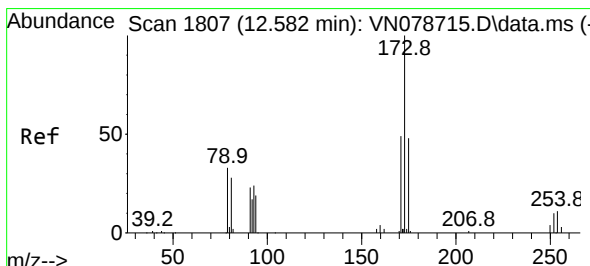
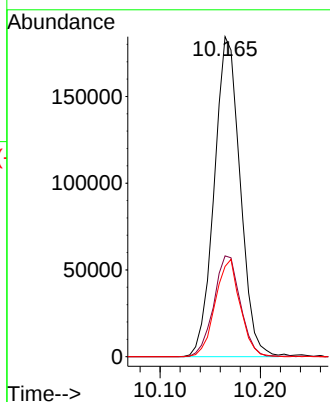
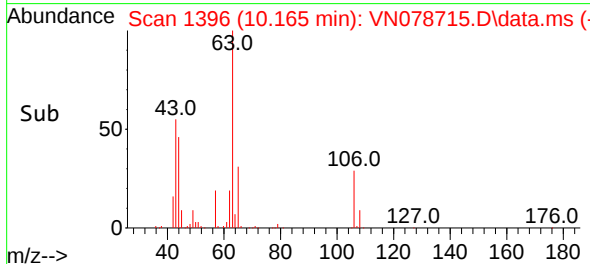
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 33115
Ion Ratio Lower Upper
63 100
65 32.1 26.3 39.5
106 29.2 23.8 35.6

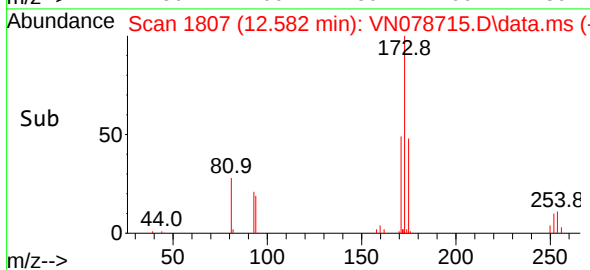
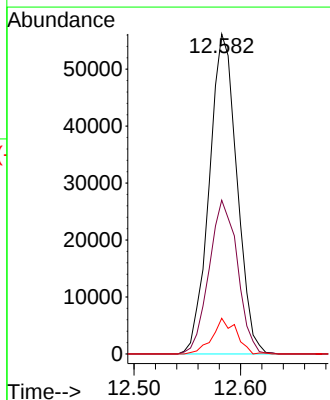
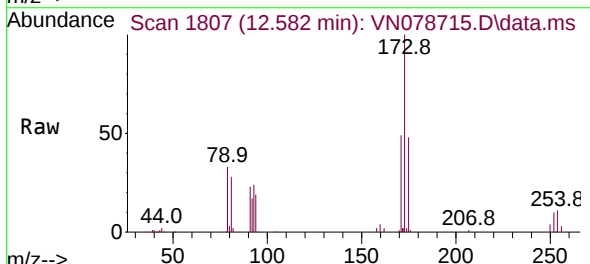
Manual Integrations
APPROVED

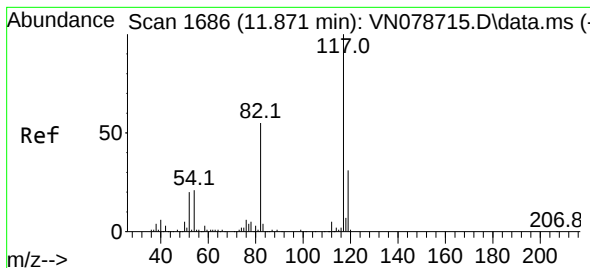
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#56
Bromoform
Concen: 22.007 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

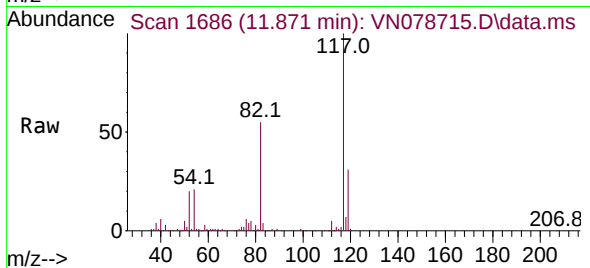
Tgt Ion:173 Resp: 101261
Ion Ratio Lower Upper
173 100
175 49.3 40.7 61.1
254 9.6 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

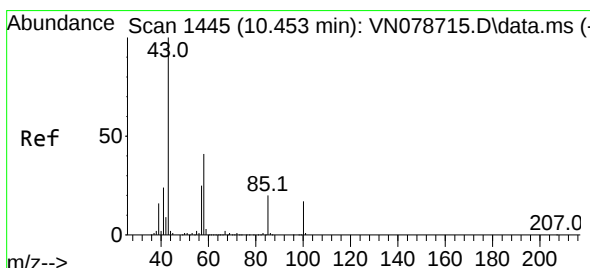
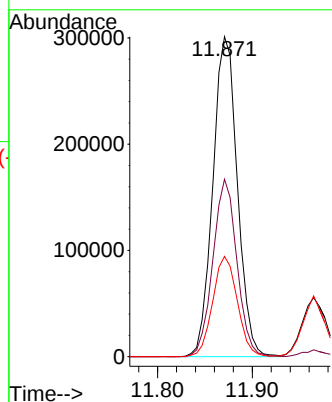
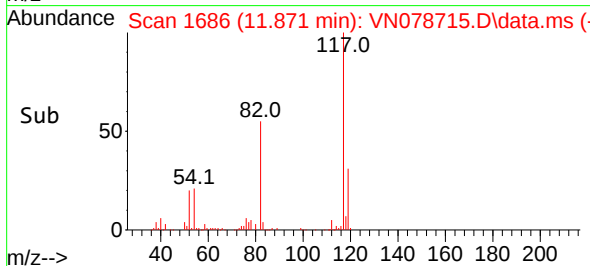
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:117 Resp: 541485
Ion Ratio Lower Upper
117 100
82 54.4 43.9 65.9
119 31.5 26.2 39.4

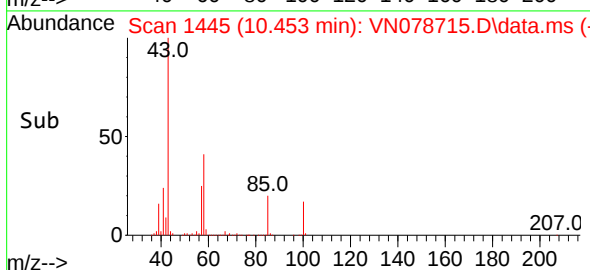
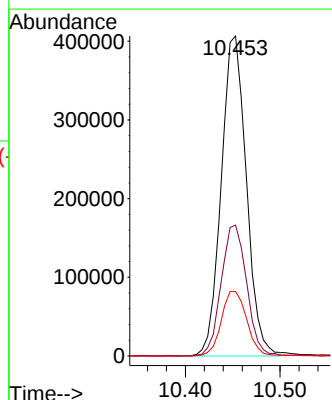
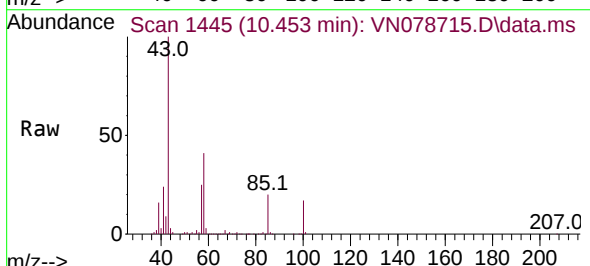
Manual Integrations
APPROVED

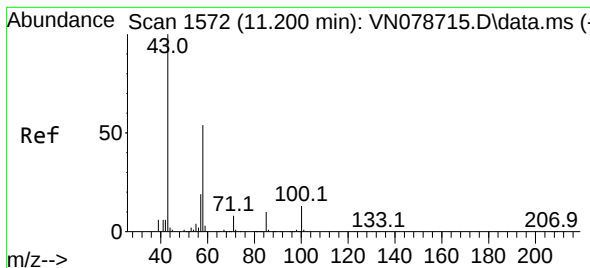
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#58
4-Methyl-2-Pentanone
Concen: 107.891 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

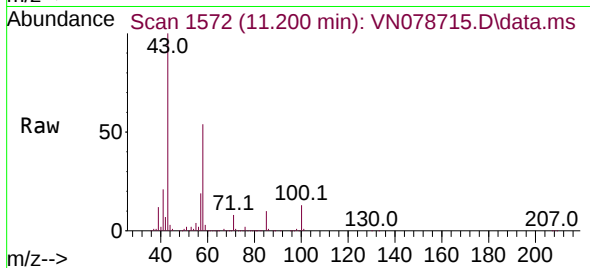
Tgt Ion: 43 Resp: 749453
Ion Ratio Lower Upper
43 100
58 41.5 32.6 48.8
85 20.4 16.2 24.2





#59
2-Hexanone
Concen: 111.171 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

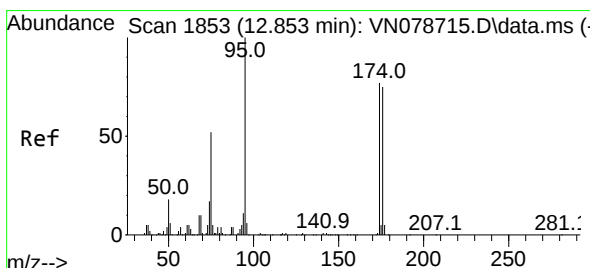
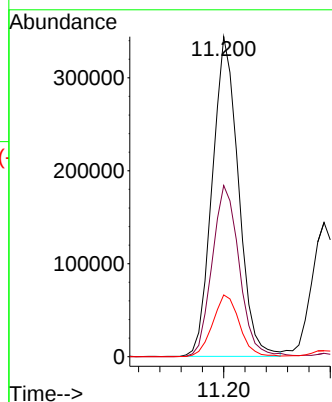
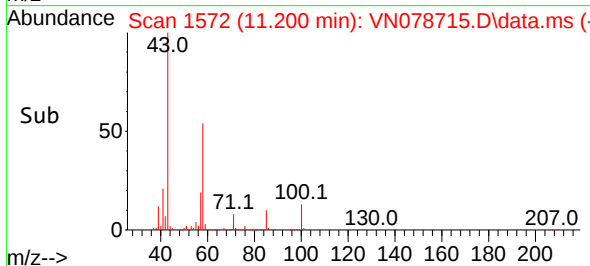
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 586172
Ion Ratio Lower Upper
43 100
58 55.7 45.9 68.9
57 19.9 15.8 23.6

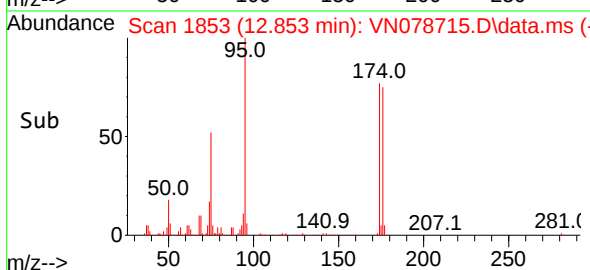
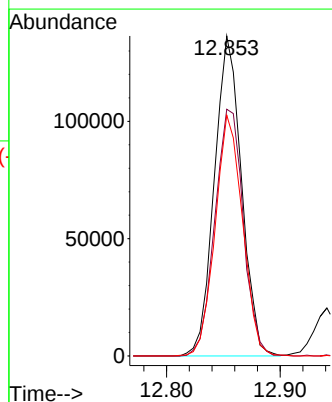
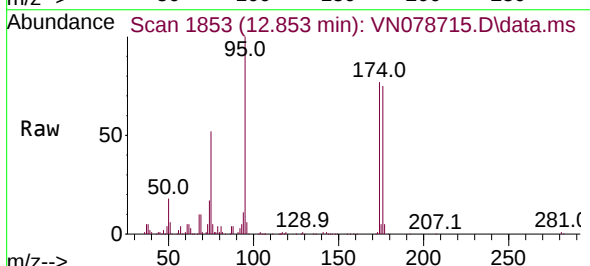
Manual Integrations
APPROVED

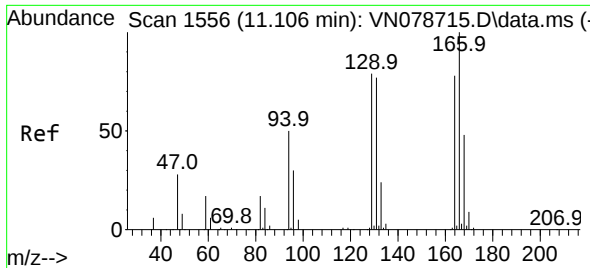
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#60
4-Bromofluorobenzene
Concen: 28.983 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

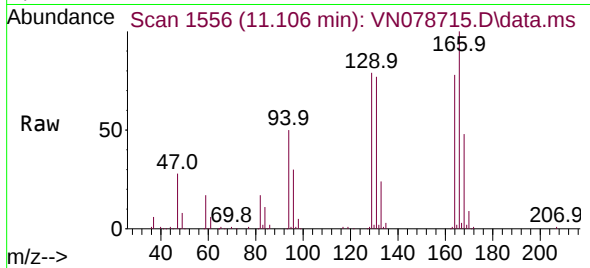
Tgt Ion: 95 Resp: 226111
Ion Ratio Lower Upper
95 100
174 80.8 61.7 92.5
176 76.0 58.1 87.1





#61
Tetrachloroethene
Concen: 21.189 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

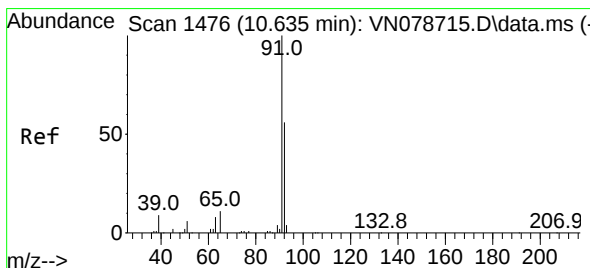
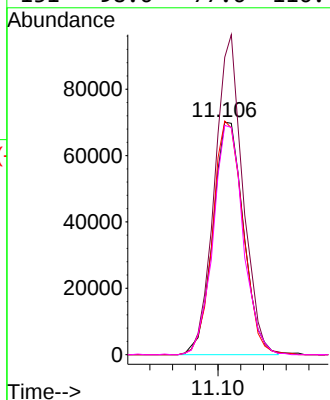
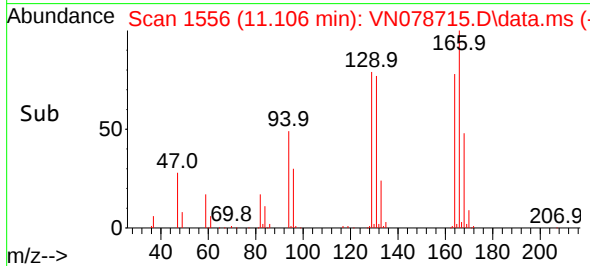
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:164 Resp: 13118
Ion Ratio Lower Upper
164 100
166 128.0 99.1 148.7
129 100.5 85.6 128.4
131 98.6 77.6 116.4

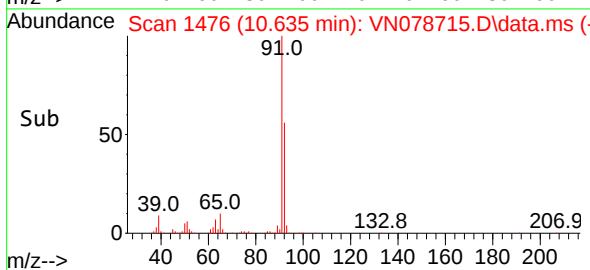
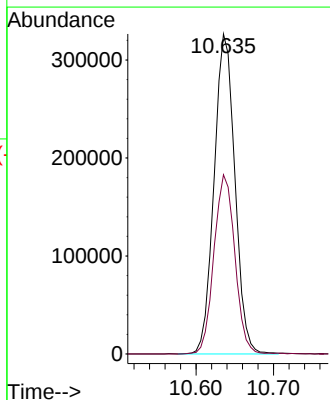
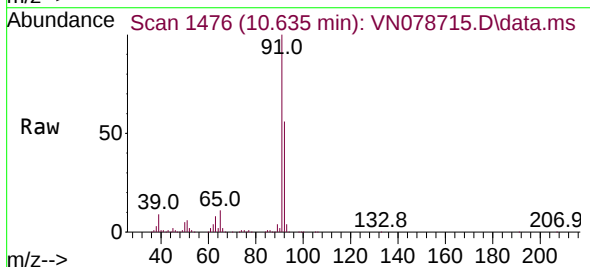
Manual Integrations
APPROVED

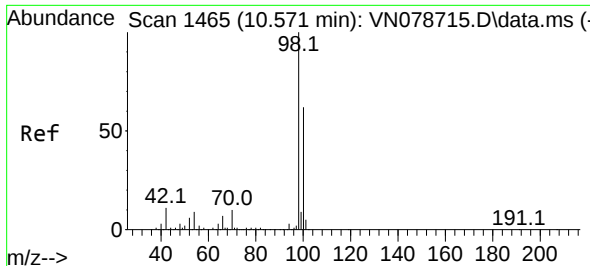
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#62
Toluene
Concen: 21.941 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

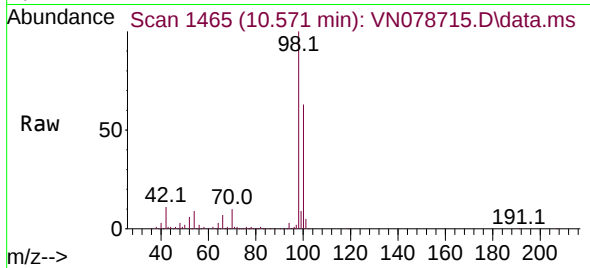
Tgt Ion: 91 Resp: 609796
Ion Ratio Lower Upper
91 100
92 56.3 45.2 67.8





#63
Toluene-d8
Concen: 28.514 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

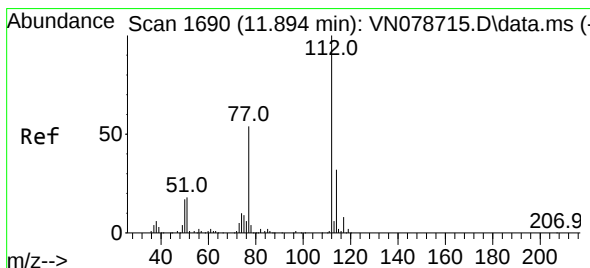
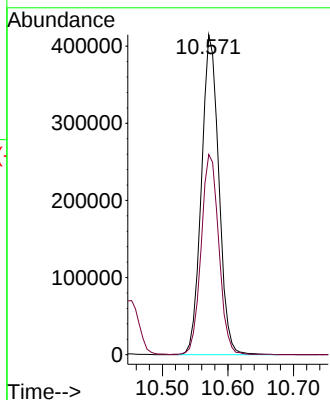
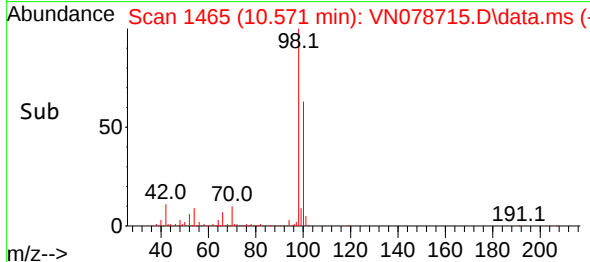
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 98 Resp: 76464
Ion Ratio Lower Upper
98 100
100 63.7 49.7 74.5

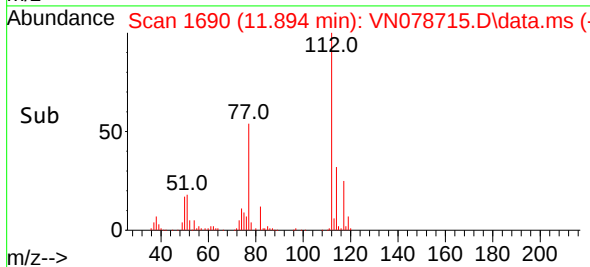
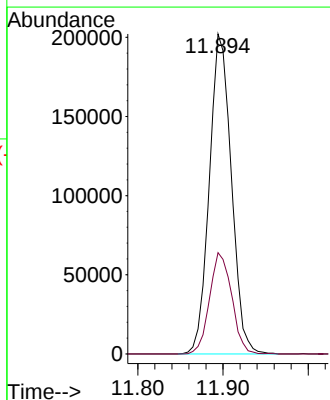
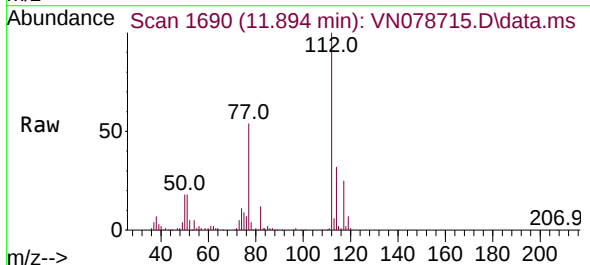
Manual Integrations
APPROVED

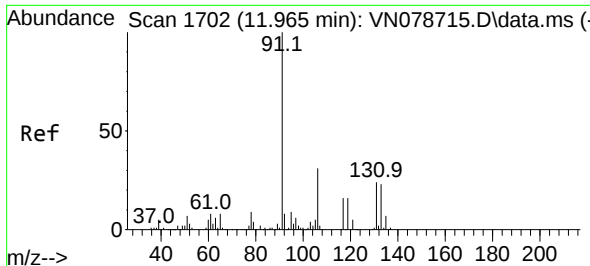
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#64
Chlorobenzene
Concen: 22.594 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

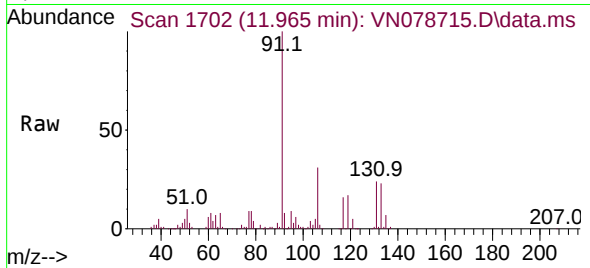
Tgt Ion:112 Resp: 363027
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9





#65
1,1,1,2-Tetrachloroethane
Concen: 22.806 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

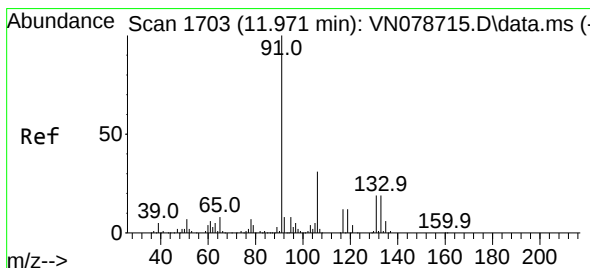
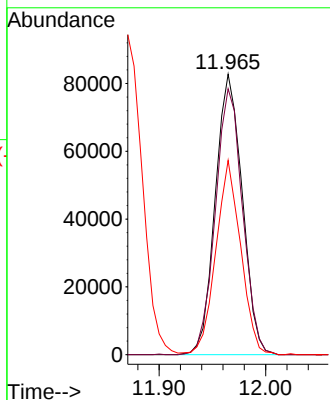
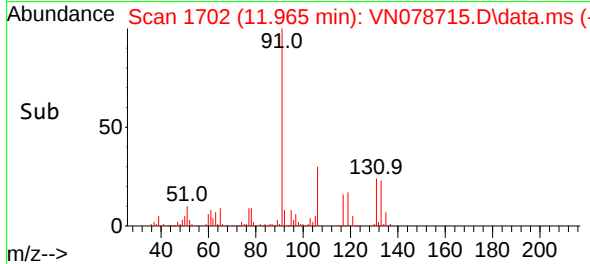
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



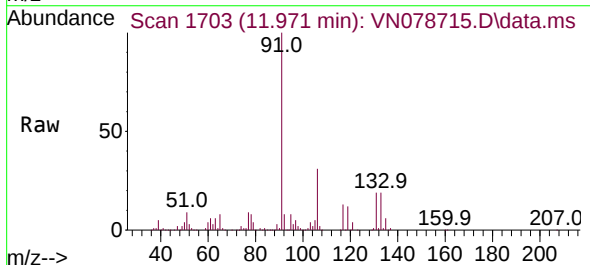
Tgt Ion:131 Resp: 145480
Ion Ratio Lower Upper
131 100
133 95.4 0.0 191.8
119 63.8 0.0 132.0

Manual Integrations
APPROVED

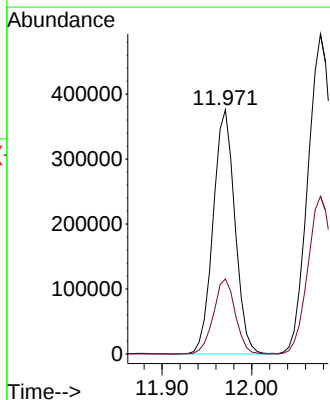
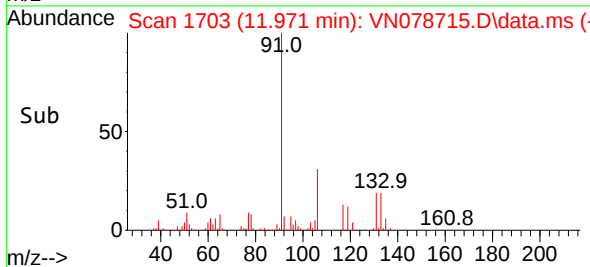
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

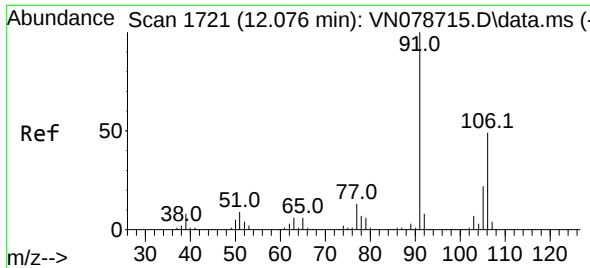


#66
Ethyl Benzene
Concen: 23.055 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



Tgt Ion: 91 Resp: 633415
Ion Ratio Lower Upper
91 100
106 30.7 25.6 38.4





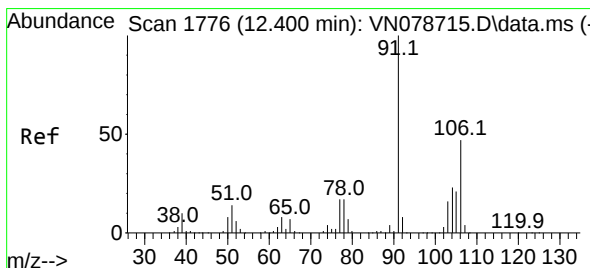
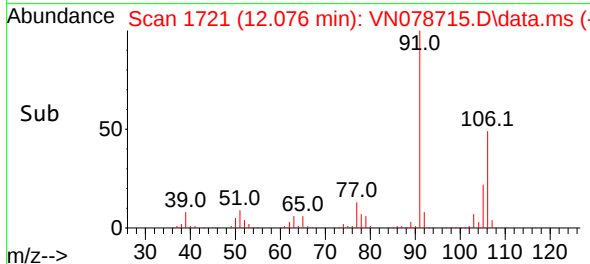
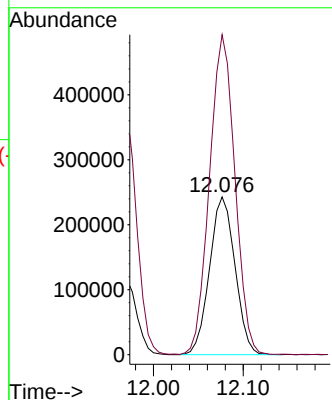
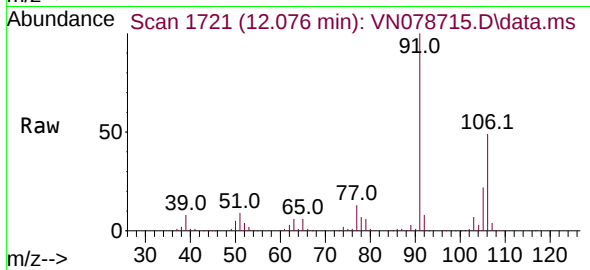
#67
m/p-Xylenes
Concen: 45.743 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 478310
Ion Ratio Lower Upper
106 100
91 202.7 162.5 243.7

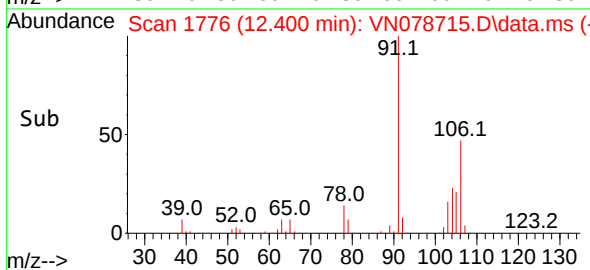
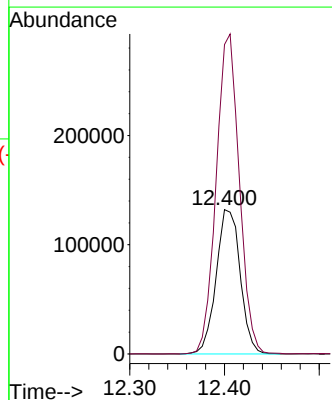
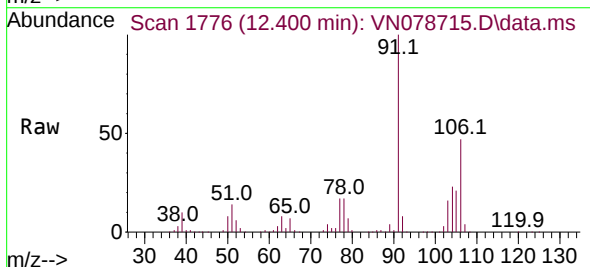
Manual Integrations
APPROVED

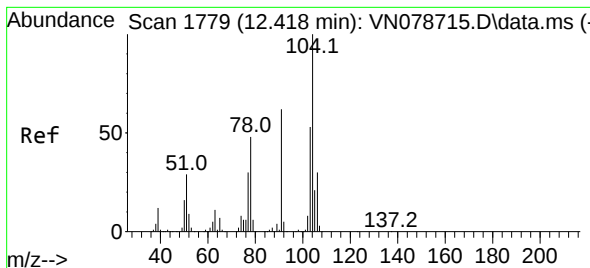
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#68
o-Xylene
Concen: 22.346 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Tgt Ion:106 Resp: 233511
Ion Ratio Lower Upper
106 100
91 213.2 106.1 318.3





#69

Styrene

Concen: 22.261 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

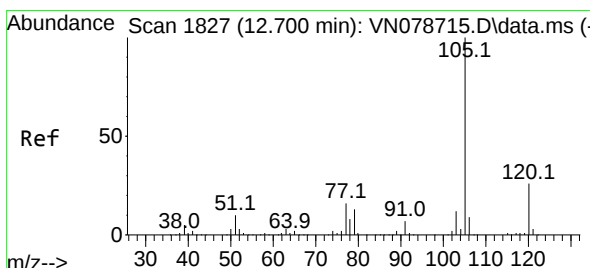
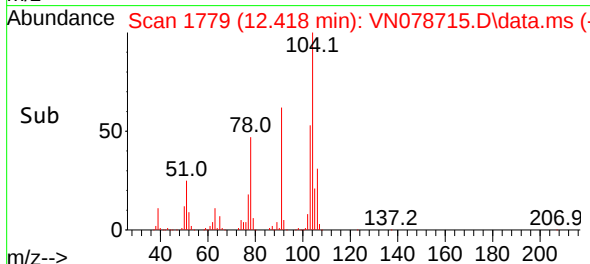
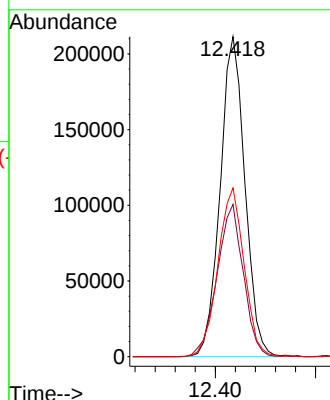
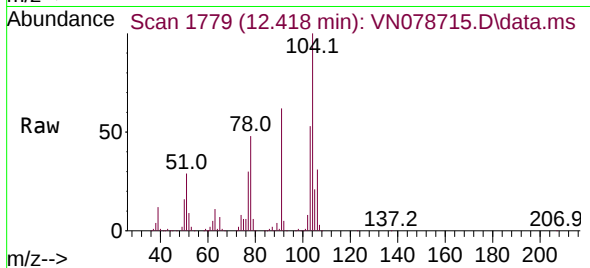
Tgt Ion:104 Resp: 362152
 Ion Ratio Lower Upper
 104 100
 78 50.4 40.1 60.1
 103 55.8 45.1 67.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#70

Isopropylbenzene

Concen: 22.494 ug/l

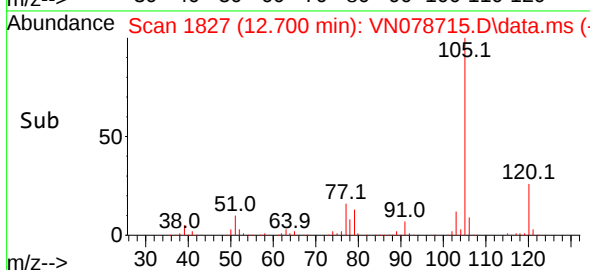
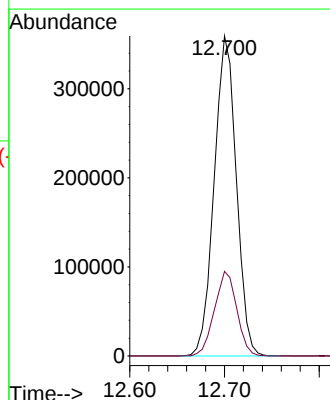
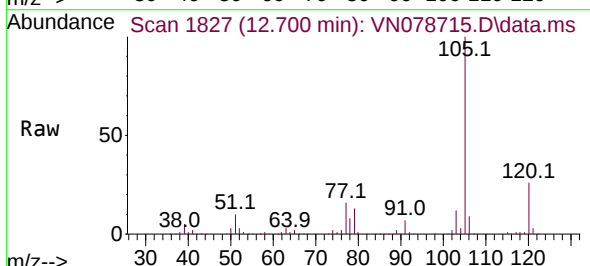
RT: 12.700 min Scan# 1827

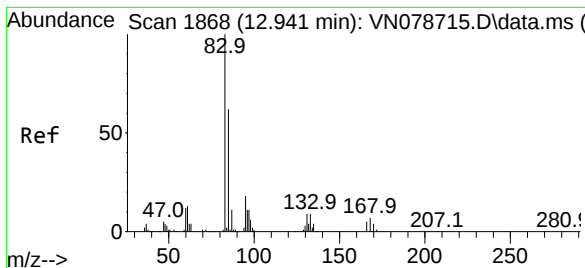
Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

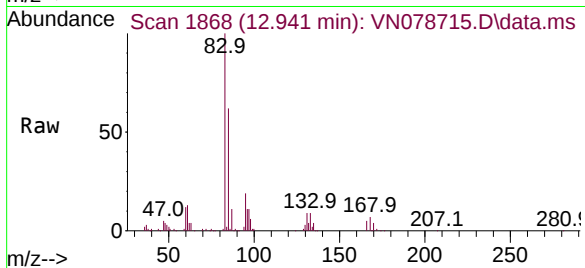
Tgt Ion:105 Resp: 584398
 Ion Ratio Lower Upper
 105 100
 120 26.6 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 21.628 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

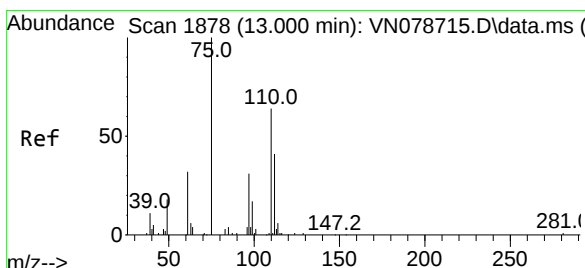
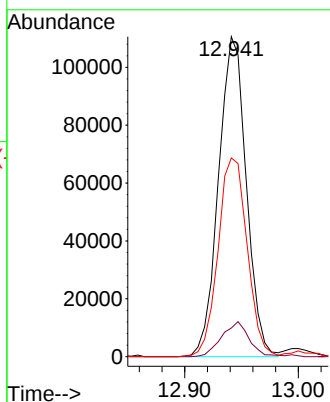
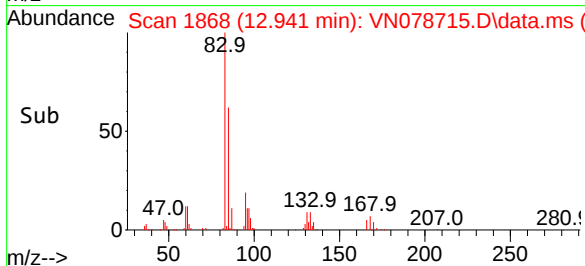
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



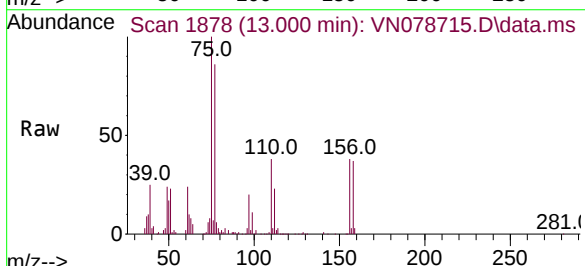
Tgt Ion: 83 Resp: 18807
Ion Ratio Lower Upper
83 100
131 10.7 4.8 14.4
85 65.0 32.6 98.0

Manual Integrations
APPROVED

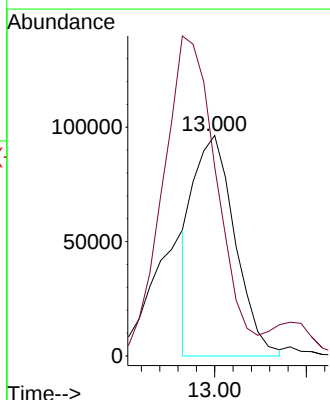
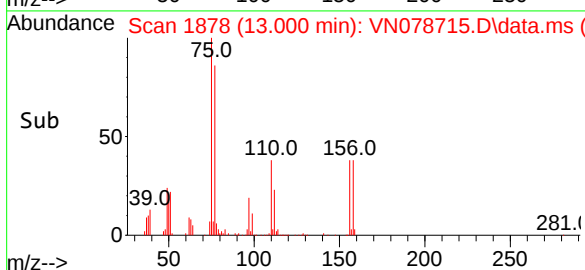
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

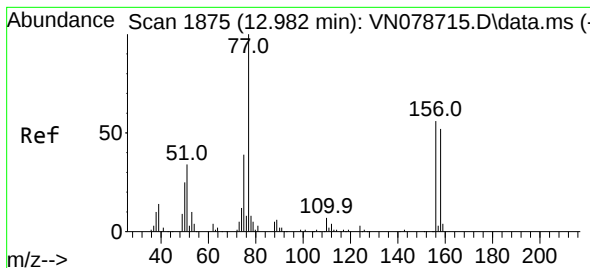


#72
1,2,3-Trichloropropane
Concen: 18.537 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



Tgt Ion: 75 Resp: 152784
Ion Ratio Lower Upper
75 100
77 186.6 0.0 387.4





#73

Bromobenzene

Concen: 22.284 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

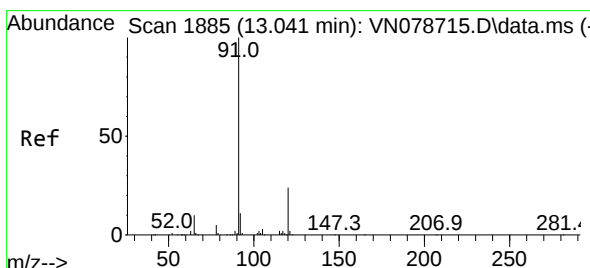
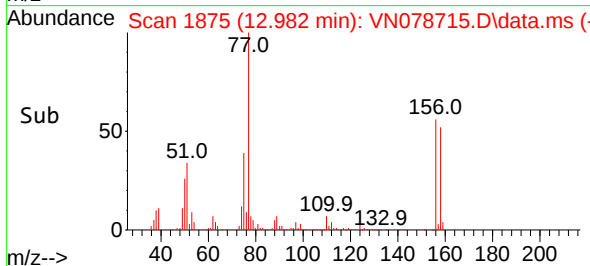
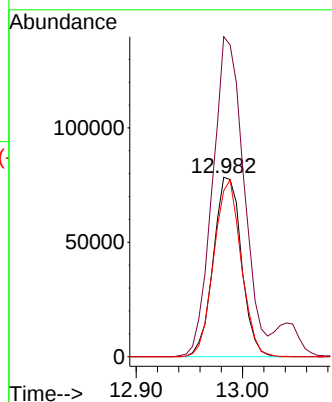
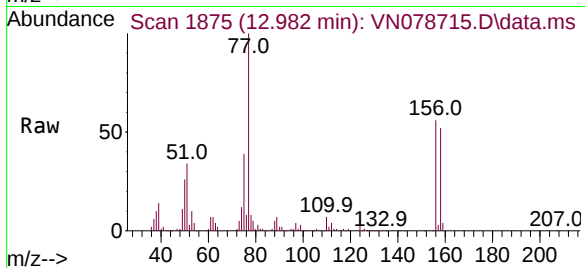
Tgt Ion:	156	Resp:	143220
Ion Ratio	Lower	Upper	
156	100		
77	199.1	0.0	420.8
158	96.1	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#74

n-propylbenzene

Concen: 22.058 ug/l

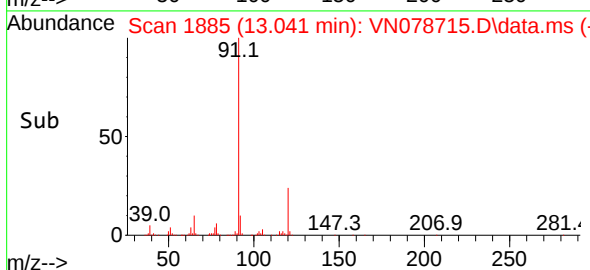
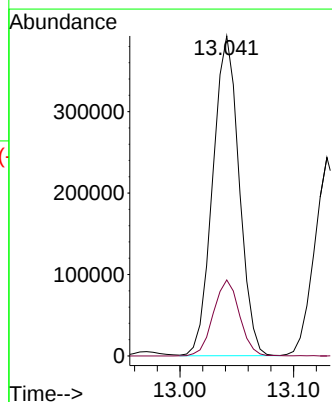
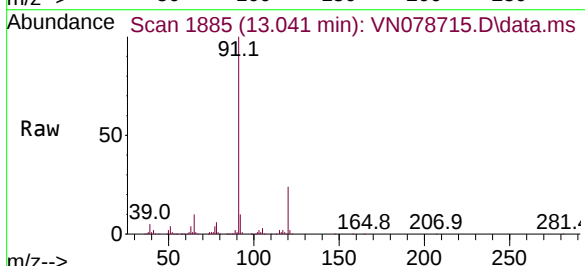
RT: 13.041 min Scan# 1885

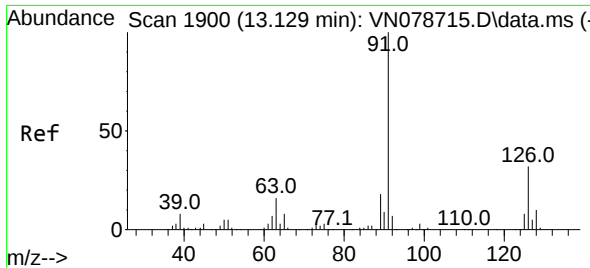
Delta R.T. 0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Tgt Ion:	91	Resp:	633951
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	44.6





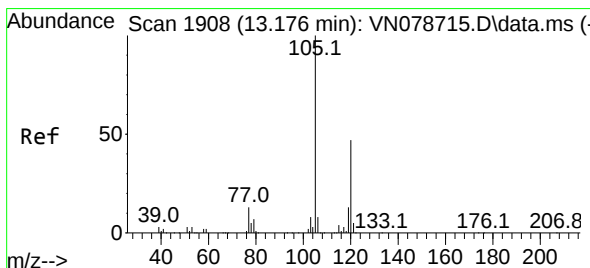
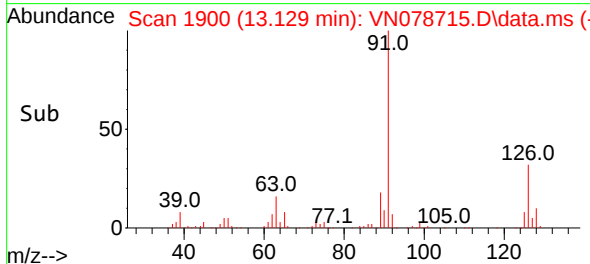
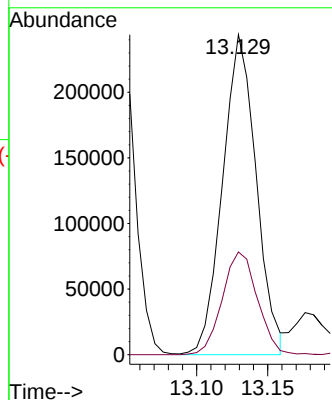
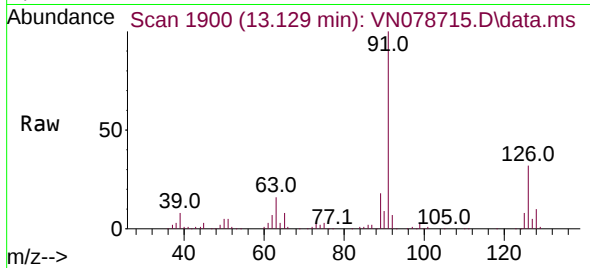
#75
2-Chlorotoluene
Concen: 21.963 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 401318
Ion Ratio Lower Upper
91 100
126 33.6 0.0 67.2

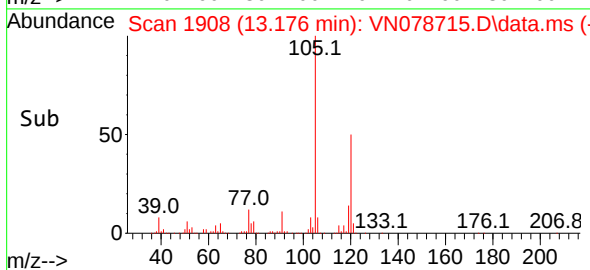
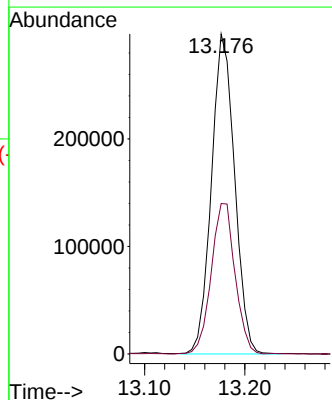
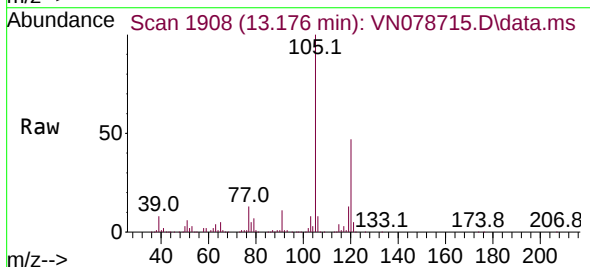
Manual Integrations
APPROVED

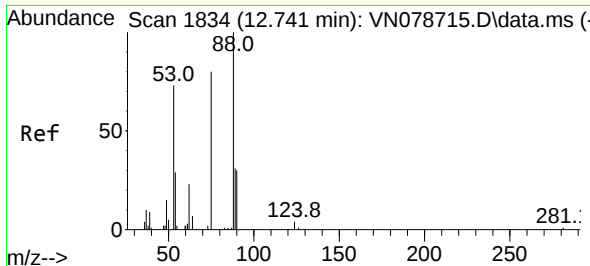
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#76
1,3,5-Trimethylbenzene
Concen: 22.347 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

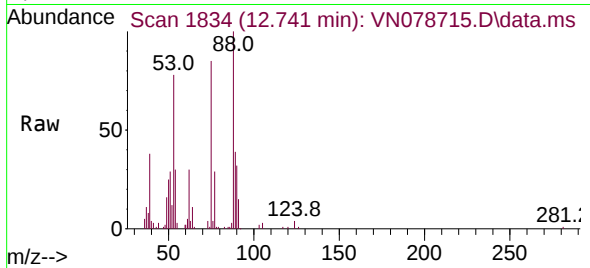
Tgt Ion:105 Resp: 477671
Ion Ratio Lower Upper
105 100
120 48.3 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 22.584 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

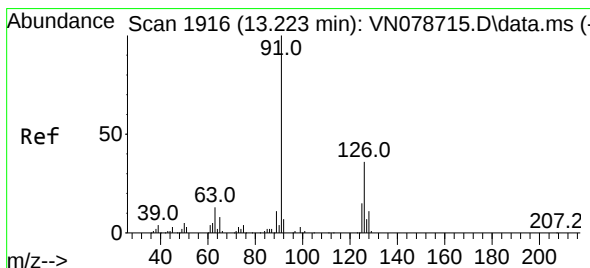
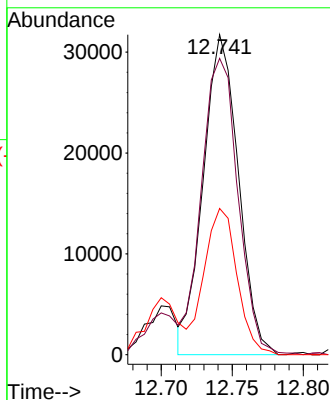
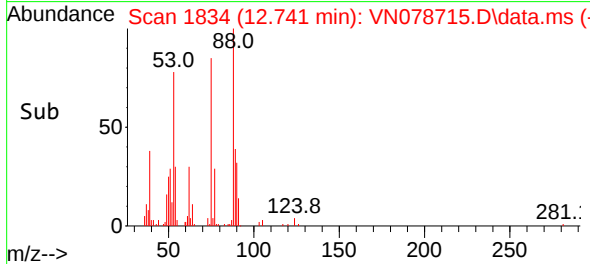
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 5460
Ion Ratio Lower Upper
75 100
53 91.9 41.6 124.9
89 45.7 25.1 75.4

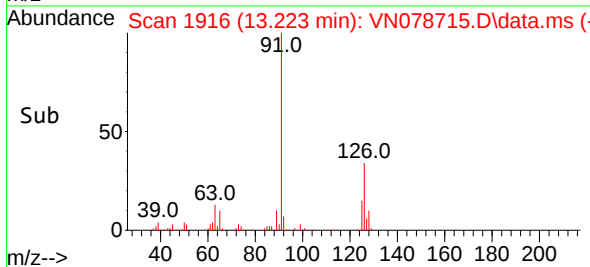
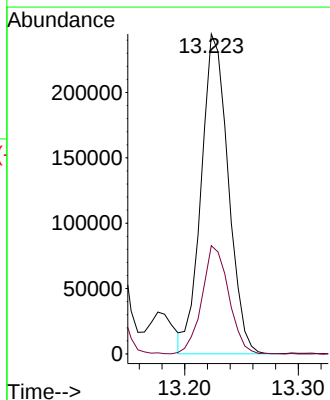
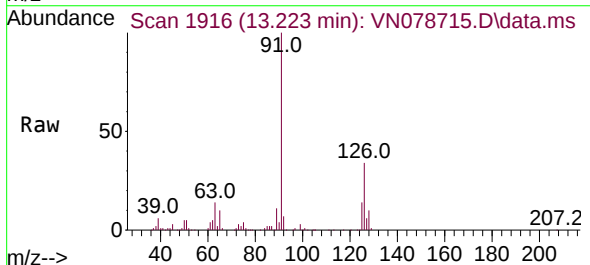
Manual Integrations
APPROVED

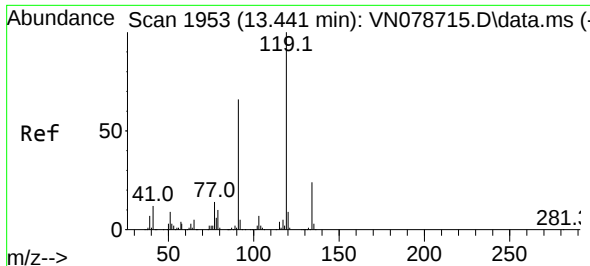
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#78
4-Chlorotoluene
Concen: 23.063 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

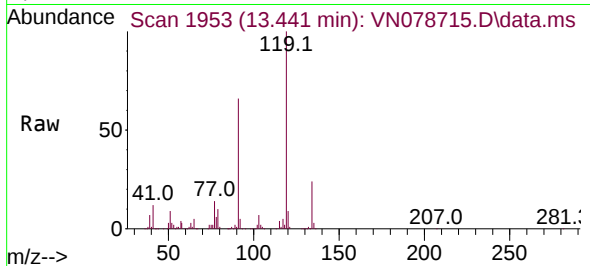
Tgt Ion: 91 Resp: 404008
Ion Ratio Lower Upper
91 100
126 33.5 0.0 68.8





#79
tert-butylbenzene
Concen: 21.792 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

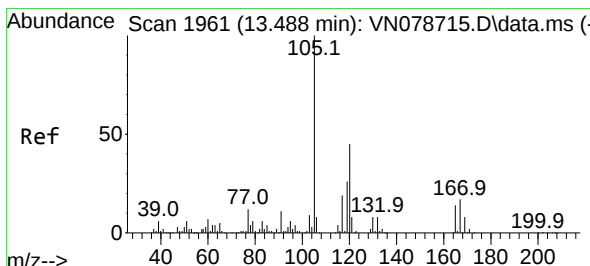
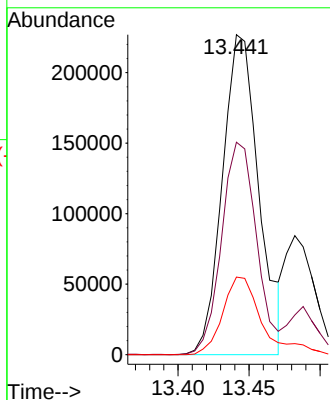
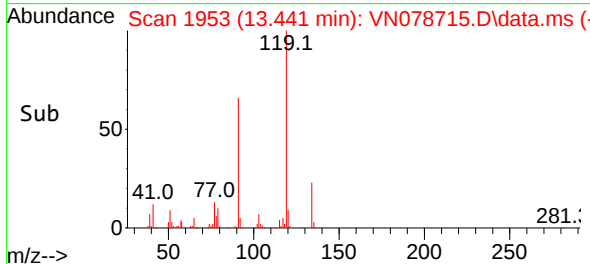
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



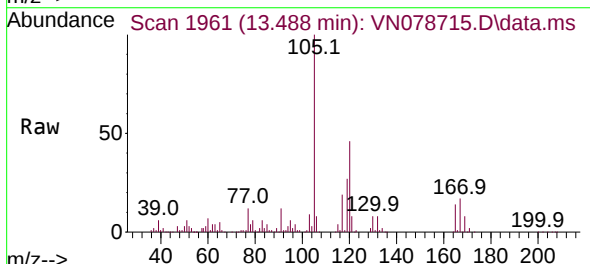
Tgt Ion:119 Resp: 404663
Ion Ratio Lower Upper
119 100
91 64.1 0.0 126.6
134 24.3 0.0 44.0

Manual Integrations
APPROVED

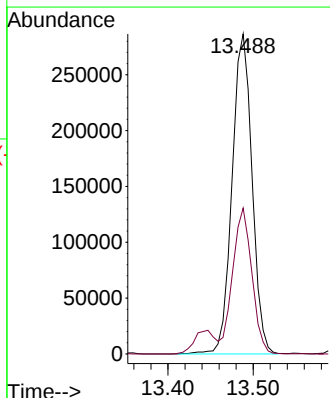
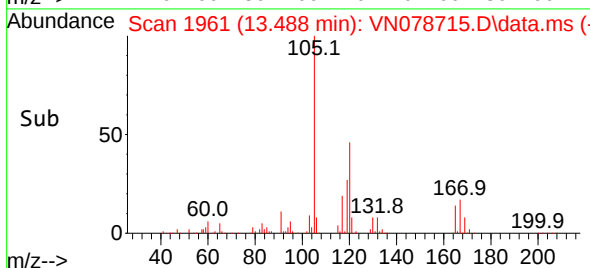
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

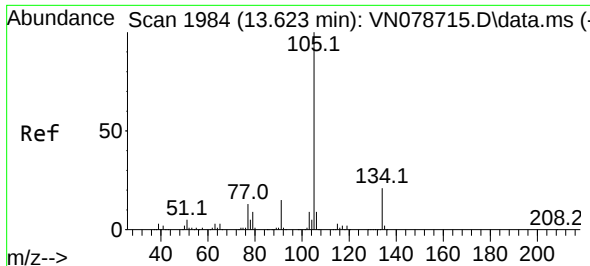


#80
1,2,4-Trimethylbenzene
Concen: 23.001 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11



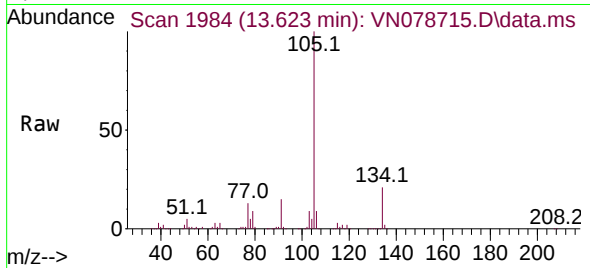
Tgt Ion:105 Resp: 466754
Ion Ratio Lower Upper
105 100
120 44.0 0.0 88.2





#81
 sec-Butylbenzene
 Concen: 21.554 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11

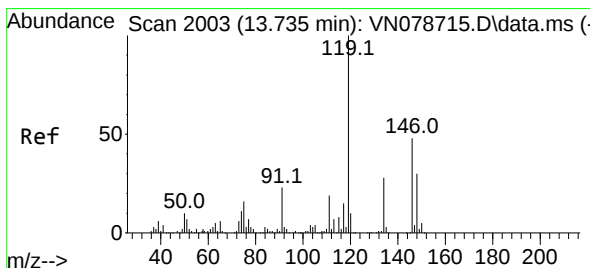
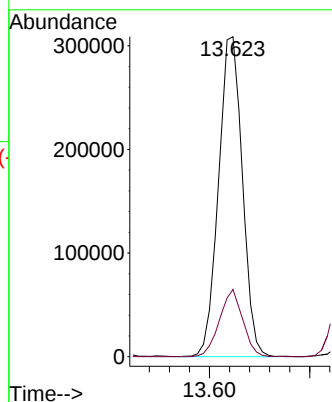
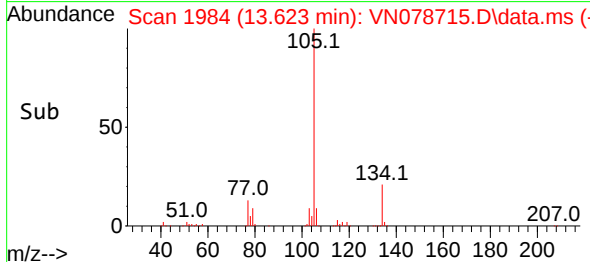
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



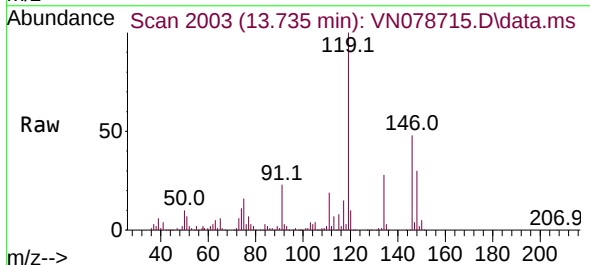
Tgt Ion:105 Resp: 509710
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 38.6

Manual Integrations
 APPROVED

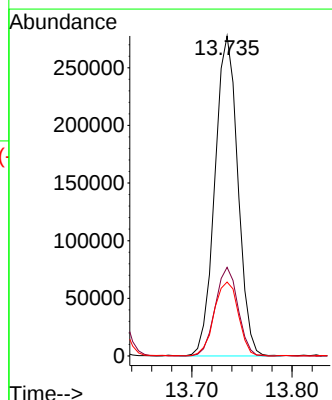
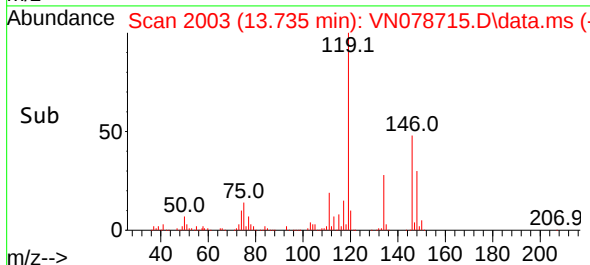
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023

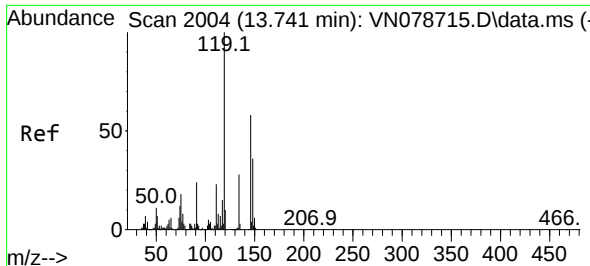


#82
 p-Isopropyltoluene
 Concen: 22.867 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078715.D
 Acq: 01 Aug 2023 14:11



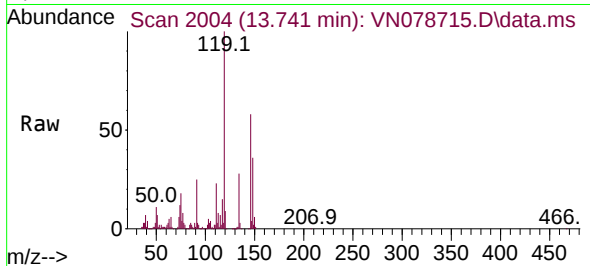
Tgt Ion:119 Resp: 441108
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 52.4
 91 24.4 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 23.512 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

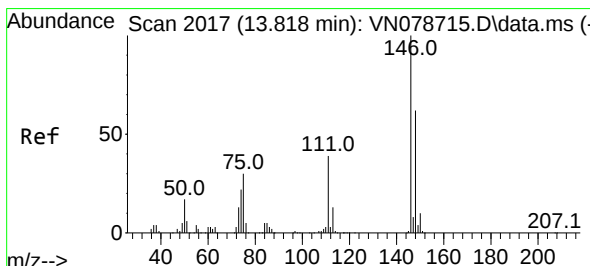
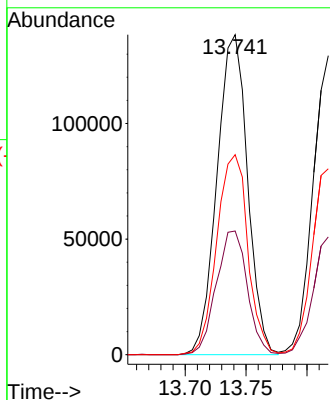
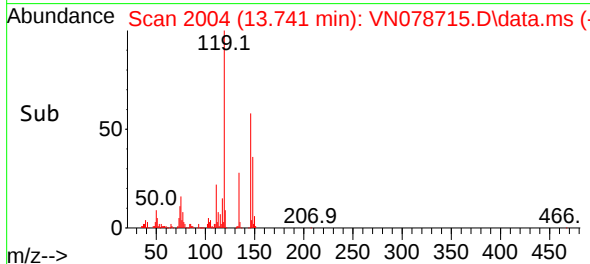
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:146 Resp: 242064
Ion Ratio Lower Upper
146 100
111 39.1 21.6 64.6
148 63.5 31.9 95.5

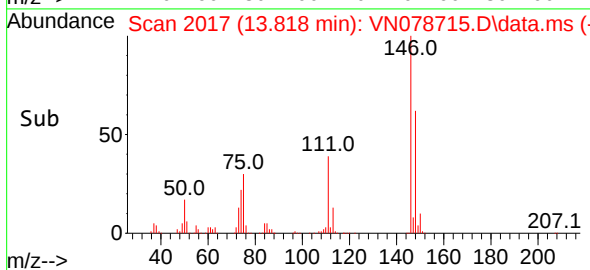
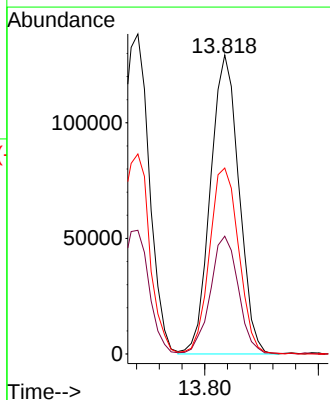
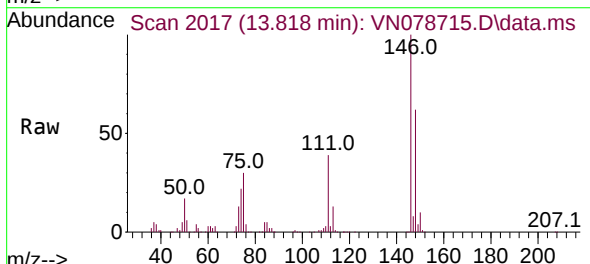
Manual Integrations
APPROVED

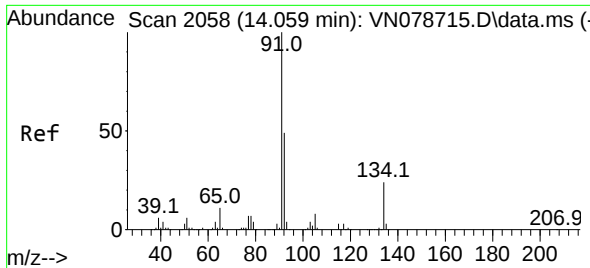
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#84
1,4-Dichlorobenzene
Concen: 23.602 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Tgt Ion:146 Resp: 225343
Ion Ratio Lower Upper
146 100
111 38.7 19.4 58.2
148 63.7 31.4 94.3





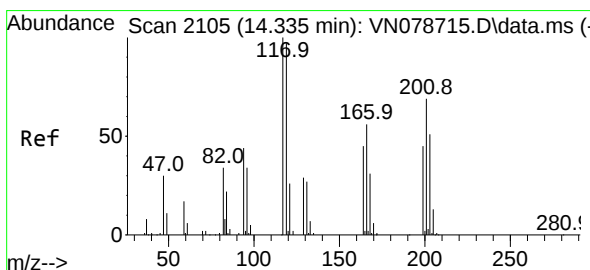
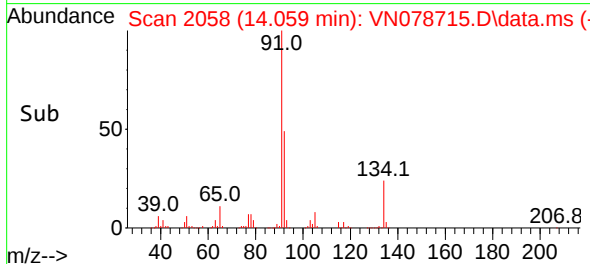
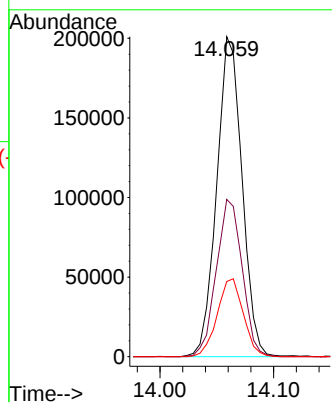
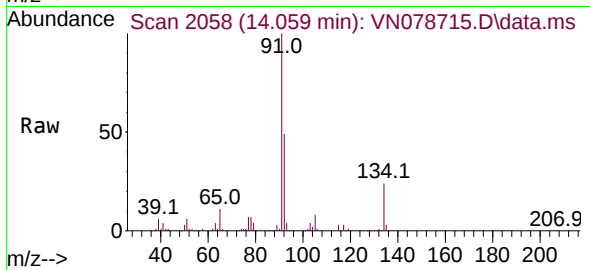
#85
n-Butylbenzene
Concen: 23.911 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 311900
Ion Ratio Lower Upper
91 100
92 50.2 0.0 99.6
134 25.1 0.0 50.0

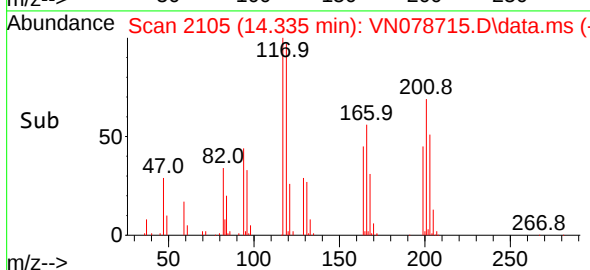
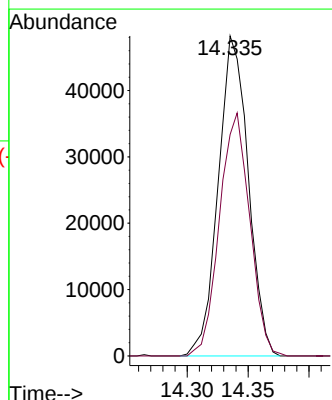
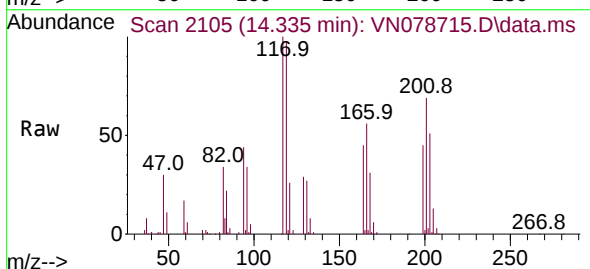
Manual Integrations
APPROVED

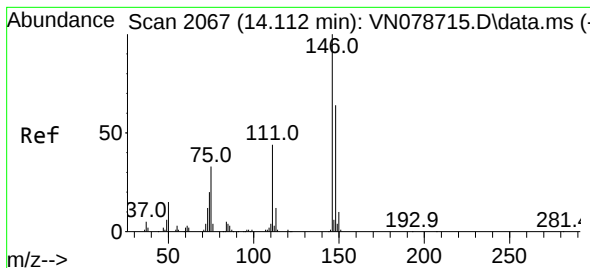
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#86
Hexachloroethane
Concen: 22.280 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Tgt Ion:117 Resp: 82620
Ion Ratio Lower Upper
117 100
201 76.7 34.2 102.6





#87

1,2-Dichlorobenzene

Concen: 23.775 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

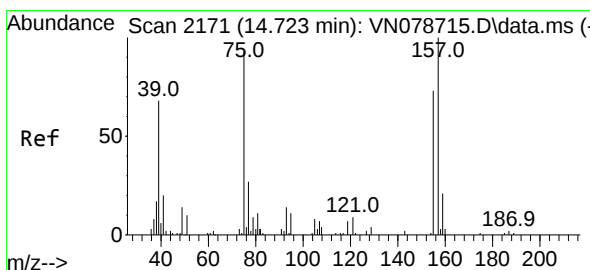
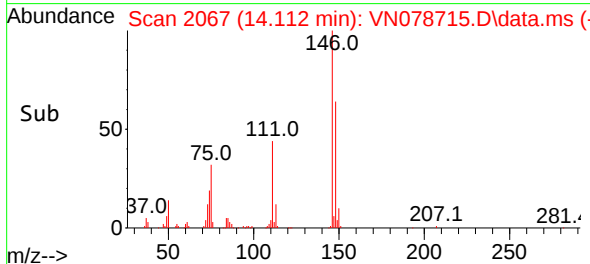
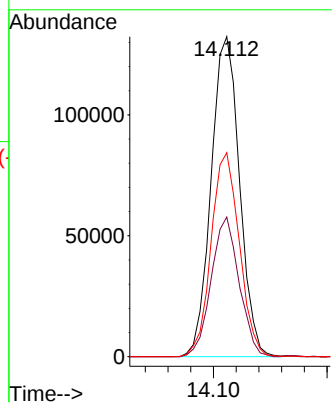
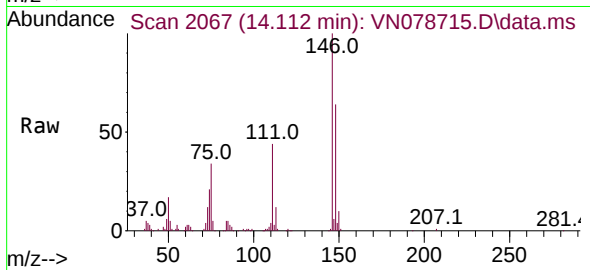
Tgt Ion:	146	Resp:	22984
Ion Ratio	Lower	Upper	
146	100		
111	42.9	22.4	67.3
148	63.4	33.4	100.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 22.529 ug/l

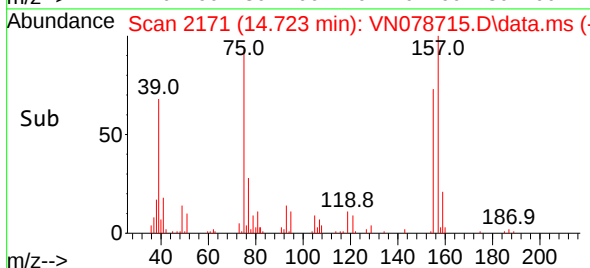
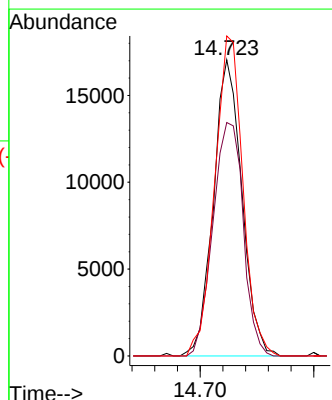
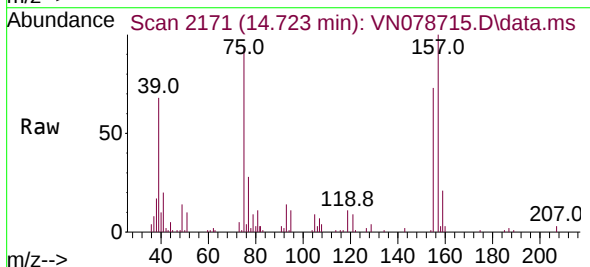
RT: 14.723 min Scan# 2171

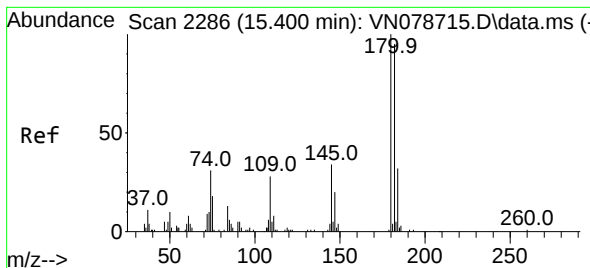
Delta R.T. 0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Tgt Ion:	75	Resp:	29657
Ion Ratio	Lower	Upper	
75	100		
155	83.8	68.2	102.2
157	106.7	84.7	127.1





#89

1,2,4-Trichlorobenzene

Concen: 23.928 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:180 Resp: 6672

Ion Ratio Lower Upper

180 100

182 94.3 73.7 110.5

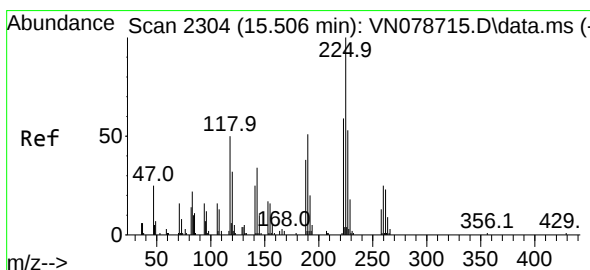
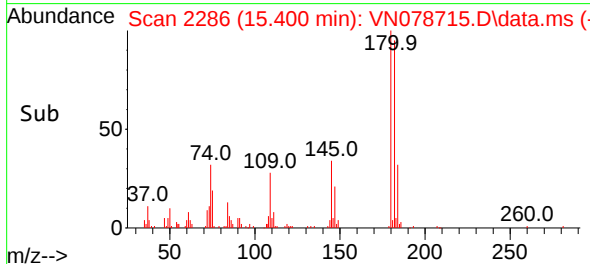
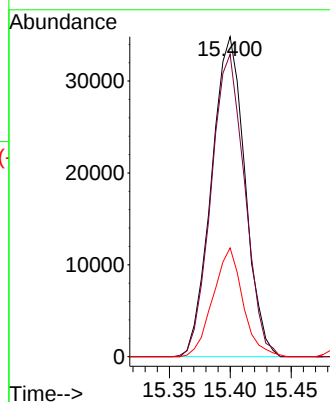
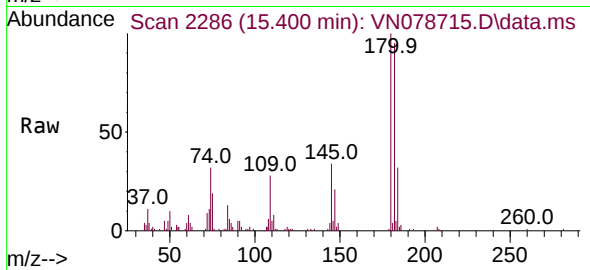
145 30.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#90

Hexachlorobutadiene

Concen: 22.121 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078715.D

Acq: 01 Aug 2023 14:11

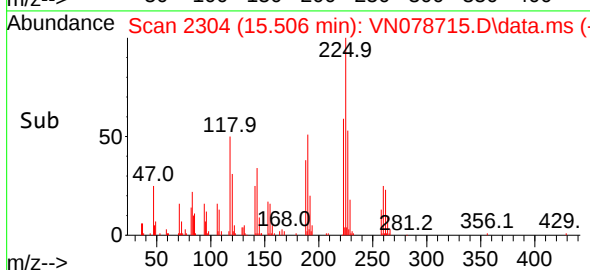
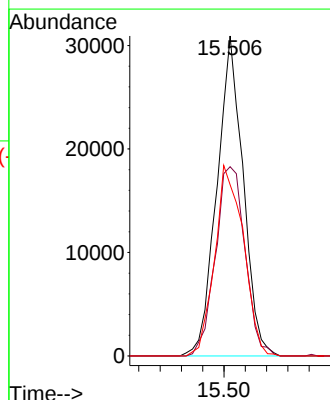
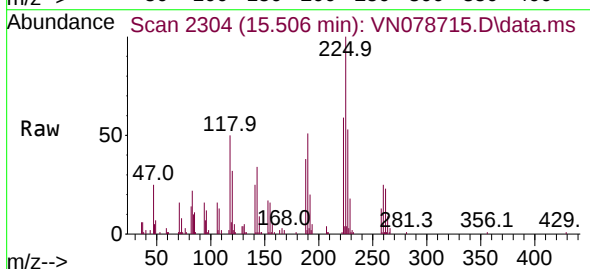
Tgt Ion:225 Resp: 52821

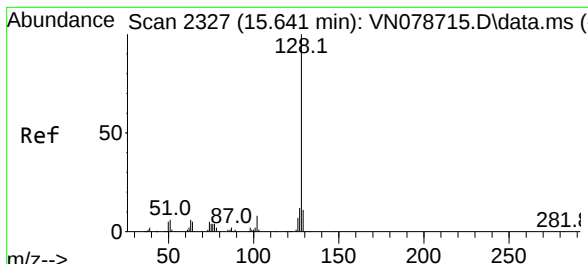
Ion Ratio Lower Upper

225 100

223 66.8 0.0 130.0

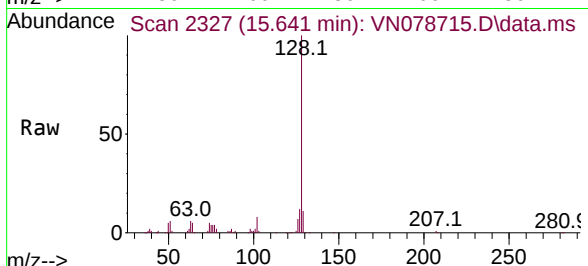
227 64.9 0.0 124.0





#91
Naphthalene
Concen: 23.444 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

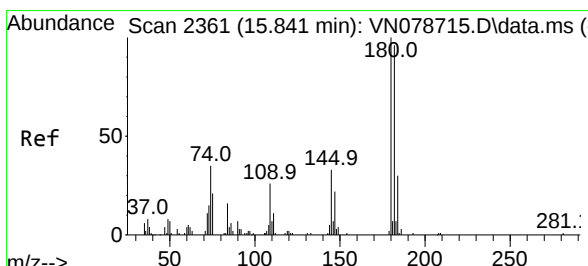
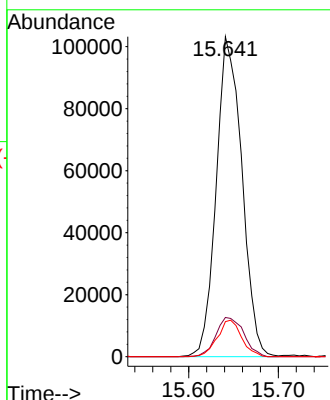
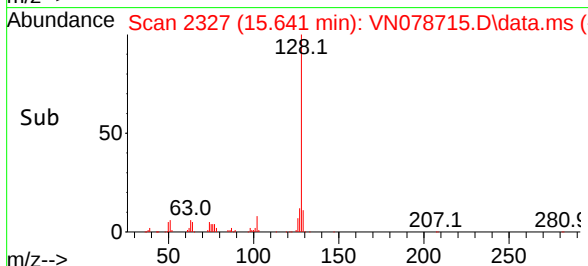
Instrument : MSVOA_N
ClientSampleId : VSTDICCC020



Tgt Ion:	128	Resp:	204828
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	10.8	9.0	13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#92
1,2,3-Trichlorobenzene
Concen: 23.141 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN078715.D
Acq: 01 Aug 2023 14:11

Tgt Ion:	180	Resp:	77545
Ion Ratio	Lower	Upper	
180	100		
182	100.9	0.0	196.4
145	33.5	0.0	71.0

