

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077672.D
 Acq On : 12 May 2023 14:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 15 01:37:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	109905	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	613040	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	568297	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	219490	27.770	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.567%		
60) 4-Bromofluorobenzene	12.853	95	255656	28.292	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.300%		
63) Toluene-d8	10.571	98	764499	29.126	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	126079	17.472	ug/l	97
3) Chloromethane	2.360	50	98815	18.019	ug/l	98
4) Vinyl Chloride	2.512	62	137455	16.290	ug/l	94
5) Bromomethane	2.959	94	99488	17.688	ug/l	96
6) Chloroethane	3.130	64	75101	13.623	ug/l	94
7) Trichlorofluoromethane	3.512	101	207545	18.085	ug/l	96
8) Diethyl Ether	3.959	74	70429	19.472	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	113967	18.398	ug/l	87
10) 1,1-Dichloroethene	4.348	96	106236	18.143	ug/l	92
11) Methyl Iodide	4.601	142	168351	18.485	ug/l	91
12) Methyl Acetate	5.024	43	162747	22.992	ug/l #	84
13) Acrolein	4.177	56	92197	106.333	ug/l	98
14) Acrylonitrile	5.718	53	230150	106.888	ug/l	99
15) Acetone	4.424	58	66141	101.211	ug/l	98
16) Carbon Disulfide	4.718	76	236829	16.837	ug/l	98
17) Allyl chloride	5.030	41	111113	18.280	ug/l	95
18) Methylene Chloride	5.283	84	125755	17.670	ug/l	94
19) trans-1,2-Dichloroethene	5.789	96	120913	18.355	ug/l	94
20) Diisopropyl ether	6.671	45	282317	19.097	ug/l #	90
21) 1,1-Dichloroethane	6.577	63	197673	18.229	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	139796	17.611	ug/l	92
23) tert-Butyl Alcohol	5.512	59	93784	111.185	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	357663	18.045	ug/l	98
25) Chloroform	7.971	83	233124	18.036	ug/l	96
26) Cyclohexane	8.265	56	153353	17.227	ug/l #	95
29) 1,1-Dichloropropene	8.377	75	160307	18.164	ug/l	96
30) 2-Butanone	7.483	43	289434	123.039	ug/l	94
31) 2,2-Dichloropropane	7.494	77	172378	16.765	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	206254	18.058	ug/l	97
33) Carbon Tetrachloride	8.365	117	184058	19.056	ug/l	96
34) Benzene	8.606	78	500877	18.796	ug/l	98
35) Methacrylonitrile	7.783	41	63223	23.678	ug/l	95
36) 1,2-Dichloroethane	8.671	62	168379	18.953	ug/l	98
37) Trichloroethene	9.353	130	143910	20.891	ug/l	90
38) Methylcyclohexane	9.606	83	198697	17.486	ug/l	97
39) 1,2-Dichloropropane	9.624	63	114797	18.607	ug/l	92
40) Dibromomethane	9.712	93	90347	18.575	ug/l	82
41) Bromodichloromethane	9.888	83	174726	17.840	ug/l	100
42) Vinyl Acetate	6.606	43	768177	88.033	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	117374	23.217	ug/l	#	92
44) Isopropyl Acetate	8.688	43	199221	21.522	ug/l		94
45) 1,4-Dioxane	9.694	88	54530	473.912	ug/l	#	96
46) Methyl methacrylate	9.683	41	91271	21.955	ug/l		85
47) n-amyl Acetate	12.500	43	157496	19.756	ug/l		95
48) t-1,3-Dichloropropene	10.841	75	165635	16.775	ug/l		95
49) cis-1,3-Dichloropropene	10.318	75	187117	17.289	ug/l		98
50) 1,1,2-Trichloroethane	11.024	97	135023	19.276	ug/l		90
51) Ethyl methacrylate	10.877	69	176244	19.491	ug/l		95
52) 1,3-Dichloropropane	11.165	76	209972	18.540	ug/l		99
53) Dibromochloromethane	11.365	129	143042	19.628	ug/l		98
54) 1,2-Dibromoethane	11.477	107	136566	19.627	ug/l		98
55) 2-Chloroethyl vinyl ether	10.165	63	428981	104.912	ug/l		97
56) Bromoform	12.582	173	99495	23.202	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.447	43	614269	117.374	ug/l		96
59) 2-Hexanone	11.200	43	441156	116.776	ug/l		96
61) Tetrachloroethene	11.112	164	120184	21.864	ug/l		96
62) Toluene	10.635	91	583368	18.541	ug/l		100
64) Chlorobenzene	11.894	112	372528	19.252	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.965	131	137712	19.728	ug/l		96
66) Ethyl Benzene	11.971	91	633451	18.170	ug/l		99
67) m/p-Xylenes	12.077	106	512420	37.359	ug/l		93
68) o-Xylene	12.406	106	254050	18.795	ug/l		91
69) Styrene	12.418	104	398926	18.457	ug/l		97
70) Isopropylbenzene	12.700	105	640817	18.252	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.941	83	182717	19.407	ug/l		98
72) 1,2,3-Trichloropropane	13.000	75	152341m	19.446	ug/l		
73) Bromobenzene	12.988	156	159795	21.766	ug/l		77
74) n-propylbenzene	13.041	91	705646	17.975	ug/l		96
75) 2-Chlorotoluene	13.129	91	428756	18.059	ug/l		93
76) 1,3,5-Trimethylbenzene	13.176	105	481399	17.350	ug/l		94
77) t-1,4-Dichloro-2-butene	12.741	75	44480	16.298	ug/l		91
78) 4-Chlorotoluene	13.229	91	420801	18.152	ug/l		95
79) tert-butylbenzene	13.447	119	487433	19.615	ug/l		91
80) 1,2,4-Trimethylbenzene	13.488	105	438259	16.275	ug/l		96
81) sec-Butylbenzene	13.623	105	656984	18.836	ug/l		96
82) p-Isopropyltoluene	13.735	119	519299	18.712	ug/l		96
83) 1,3-Dichlorobenzene	13.741	146	274134	20.109	ug/l		96
84) 1,4-Dichlorobenzene	13.818	146	268692	20.133	ug/l		96
85) n-Butylbenzene	14.065	91	361240	15.822	ug/l		97
86) Hexachloroethane	14.341	117	91876	17.764	ug/l		68
87) 1,2-Dichlorobenzene	14.112	146	269621	20.375	ug/l		95
88) 1,2-Dibromo-3-Chloropr...	14.729	75	31479	18.398	ug/l	#	74
89) 1,2,4-Trichlorobenzene	15.400	180	67003	14.696	ug/l		95
90) Hexachlorobutadiene	15.512	225	70886	27.573	ug/l		94
91) Naphthalene	15.647	128	185725	11.925	ug/l		98
92) 1,2,3-Trichlorobenzene	15.853	180	61175	14.570	ug/l		93

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

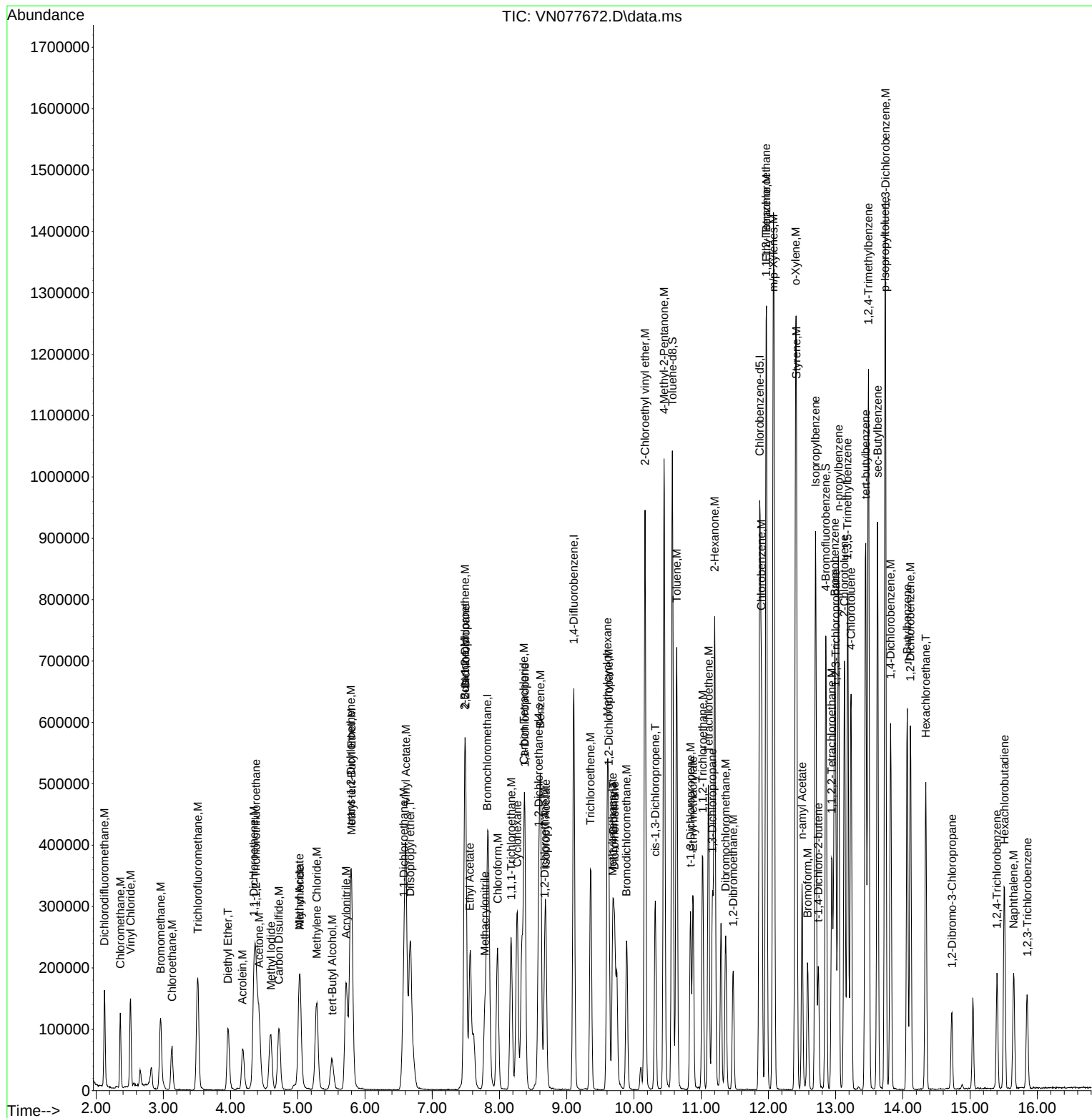
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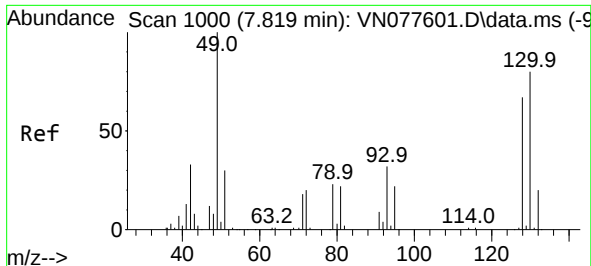
Instrument :
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 ClientSampleId :
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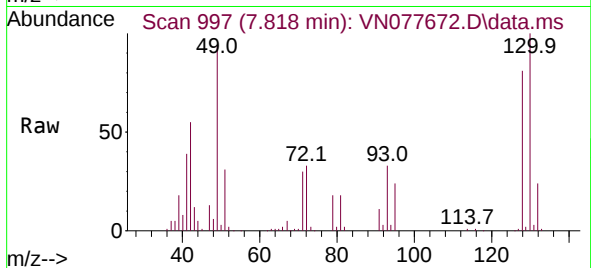
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.001 min
Lab File: VN077672.D
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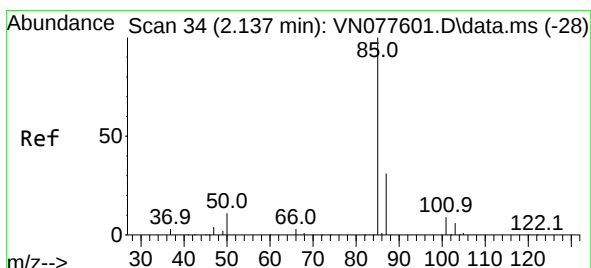
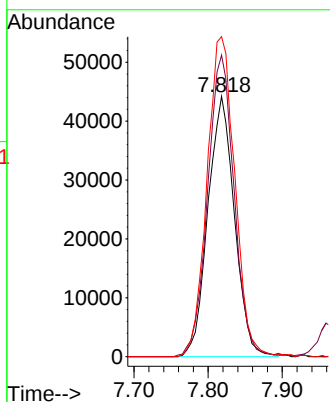
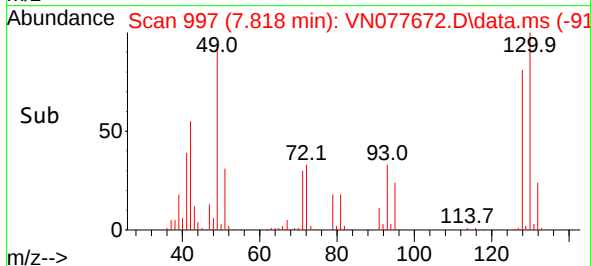
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 10990
Ion Ratio Lower Upper
128 100
49 115.8 0.0 369.8
130 128.4 0.0 317.8

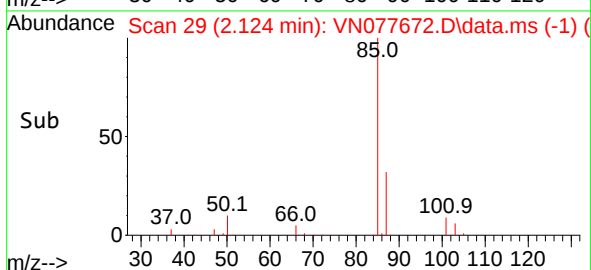
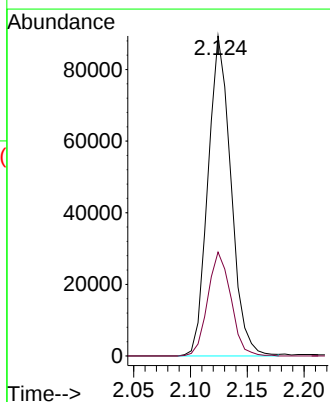
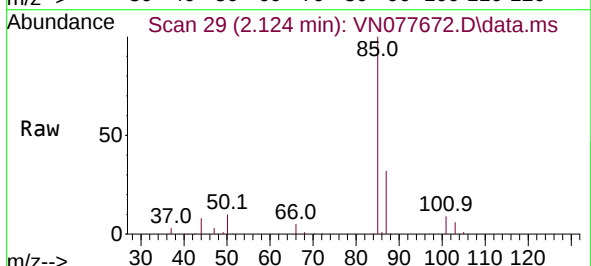
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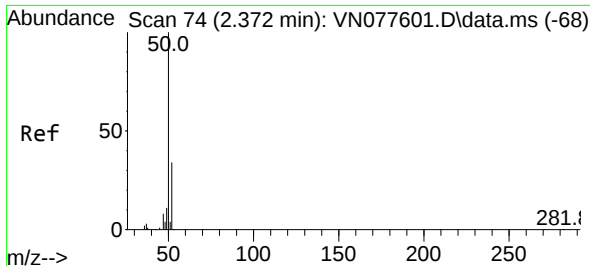
Reviewed By :John Carlone 05/15/2023
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#2
Dichlorodifluoromethane
Concen: 17.472 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.013 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 85 Resp: 126079
Ion Ratio Lower Upper
85 100
87 32.5 15.3 45.9





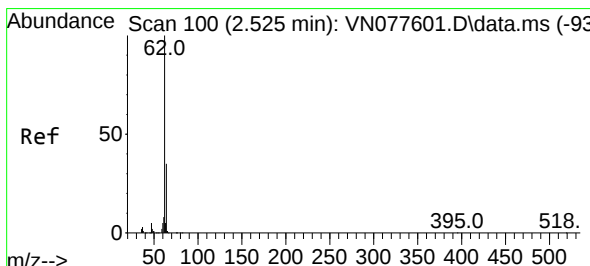
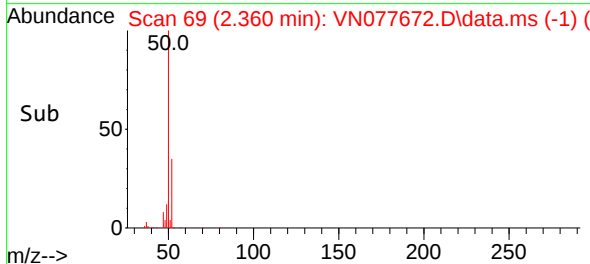
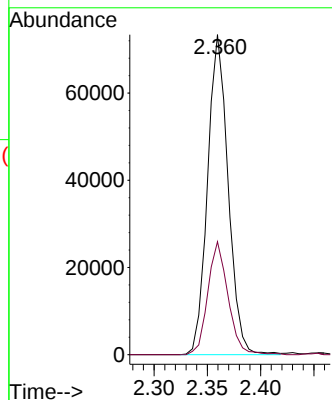
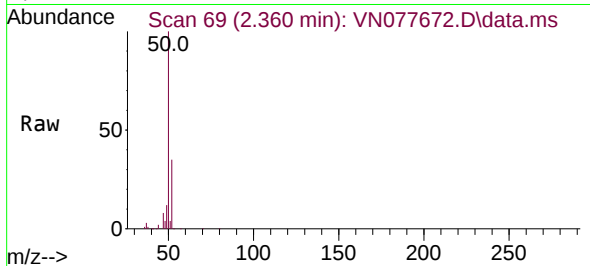
#3
Chloromethane
Concen: 18.019 ug/l
RT: 2.360 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
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Tgt Ion: 50 Resp: 98815
Ion Ratio Lower Upper
50 100
52 35.3 27.3 40.9

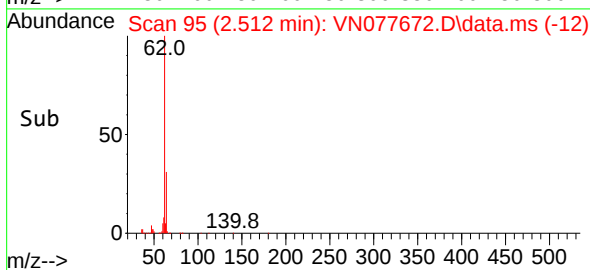
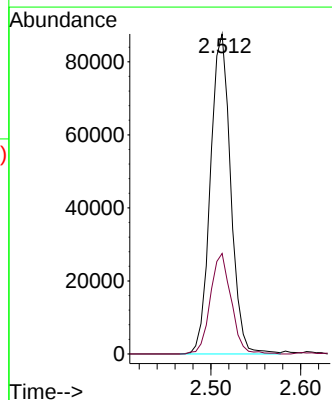
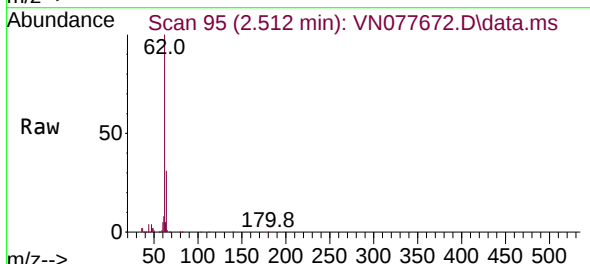
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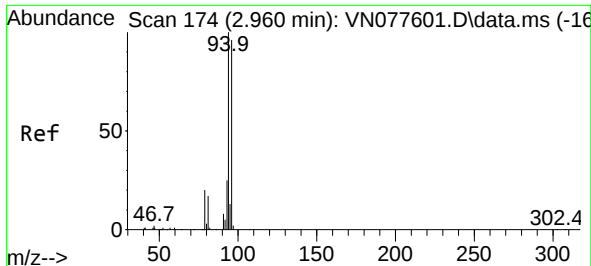
Reviewed By :John Carlone 05/15/2023
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#4
Vinyl Chloride
Concen: 16.290 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.013 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

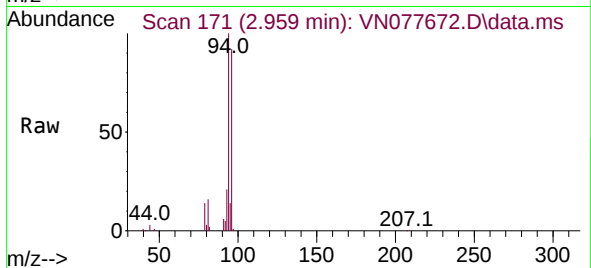
Tgt Ion: 62 Resp: 137455
Ion Ratio Lower Upper
62 100
64 31.4 27.8 41.6





#5
Bromomethane
Concen: 17.688 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

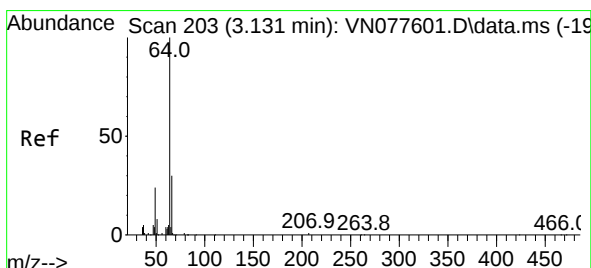
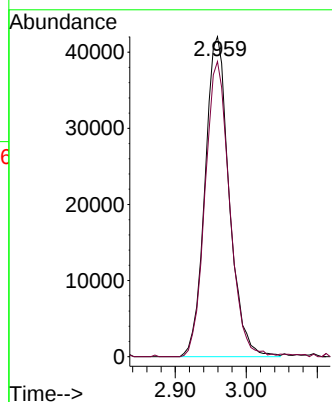
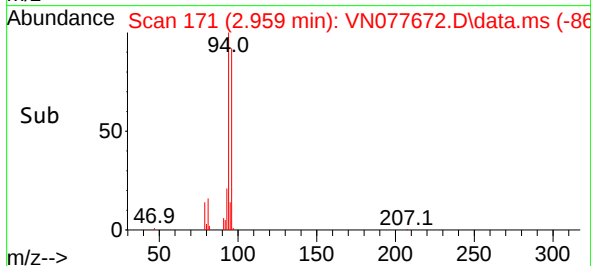
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Tgt Ion: 94 Resp: 9948
Ion Ratio Lower Upper
94 100
96 92.2 76.7 115.1

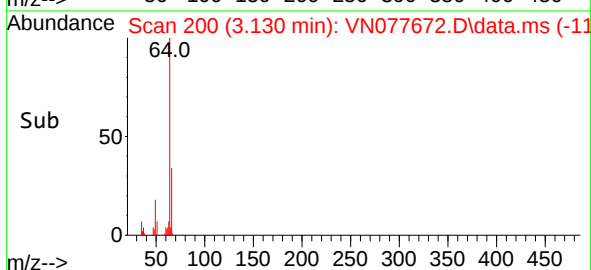
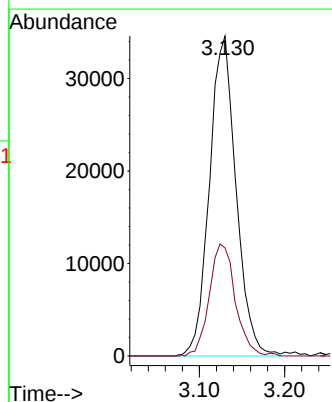
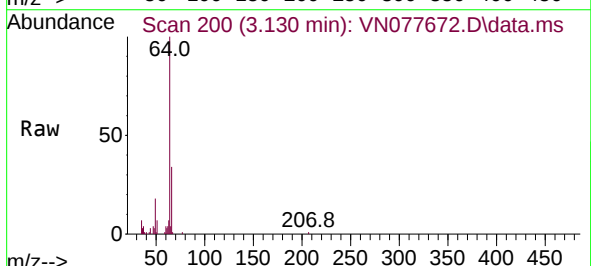
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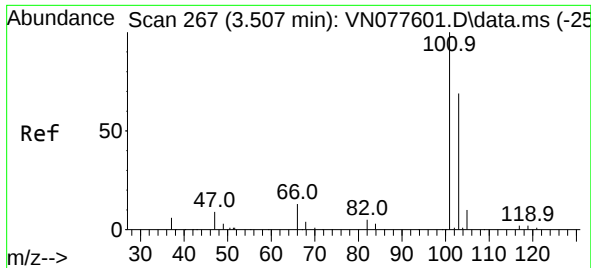
Reviewed By :John Carlone 05/15/2023
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#6
Chloroethane
Concen: 13.623 ug/l
RT: 3.130 min Scan# 200
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

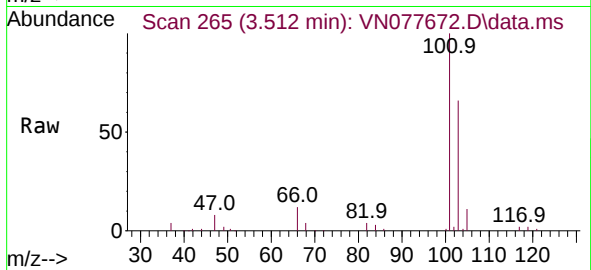
Tgt Ion: 64 Resp: 75101
Ion Ratio Lower Upper
64 100
66 33.7 24.2 36.4





#7
 Trichlorofluoromethane
 Concen: 18.085 ug/l
 RT: 3.512 min Scan# 207549
 Delta R.T. 0.005 min
 Lab File: VN077672.D
 Acq: 12 May 2023 14:56

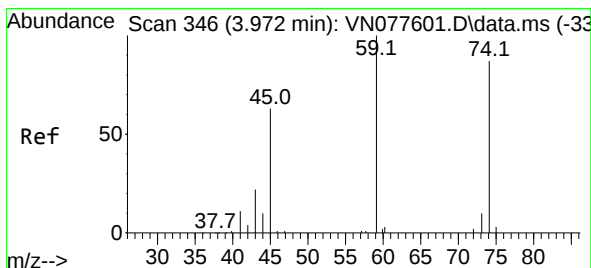
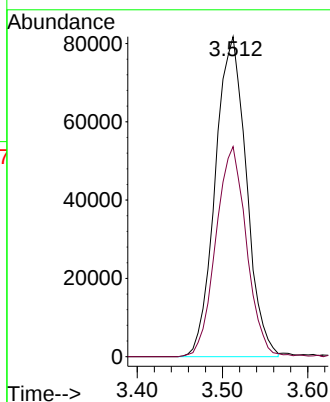
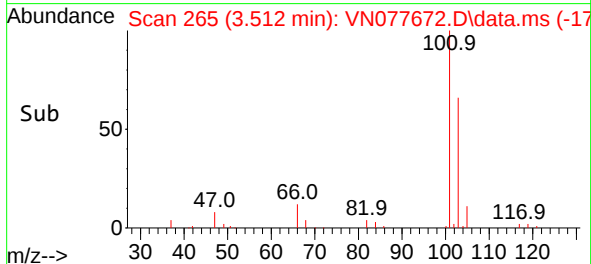
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



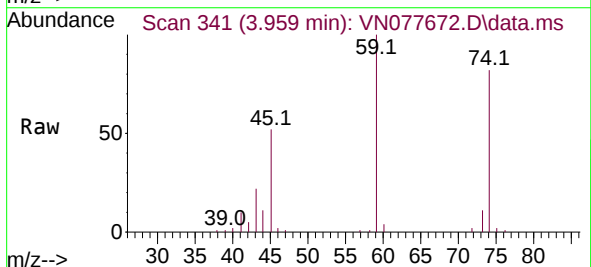
Tgt Ion:101 Resp: 207549
 Ion Ratio Lower Upper
 101 100
 103 65.7 55.0 82.4

Manual Integrations
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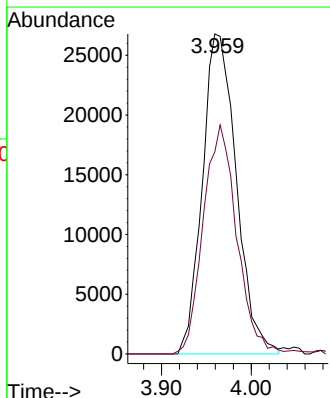
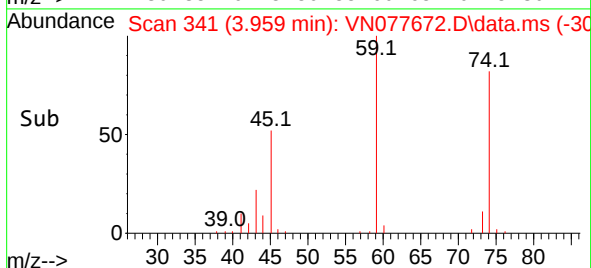
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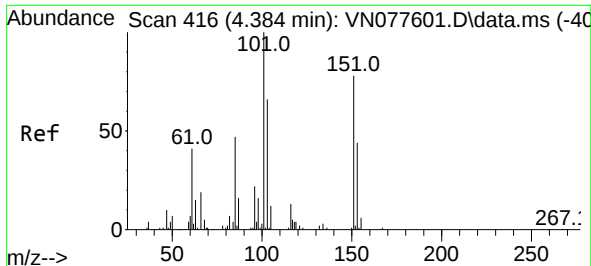


#8
 Diethyl Ether
 Concen: 19.472 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.013 min
 Lab File: VN077672.D
 Acq: 12 May 2023 14:56



Tgt Ion: 74 Resp: 70429
 Ion Ratio Lower Upper
 74 100
 45 69.8 14.8 133.2





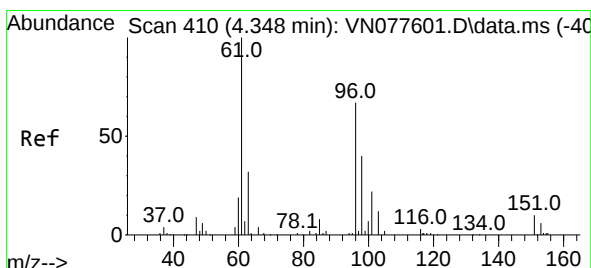
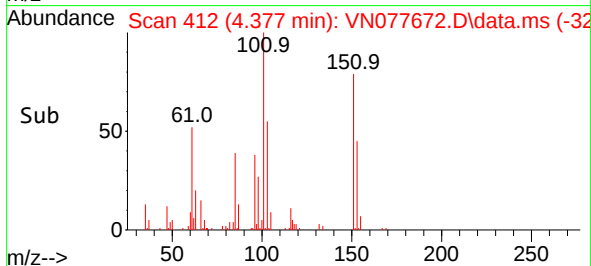
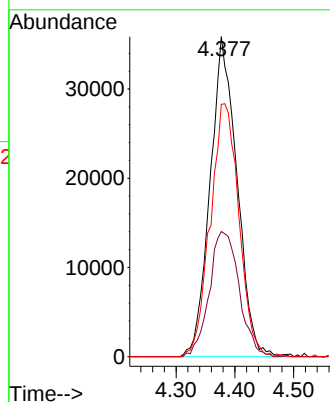
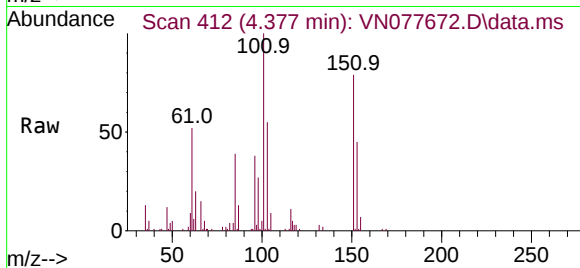
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.398 ug/l
RT: 4.377 min Scan# 416
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 11396
Ion Ratio Lower Upper
101 100
85 43.3 0.0 92.6
151 83.6 0.0 137.4

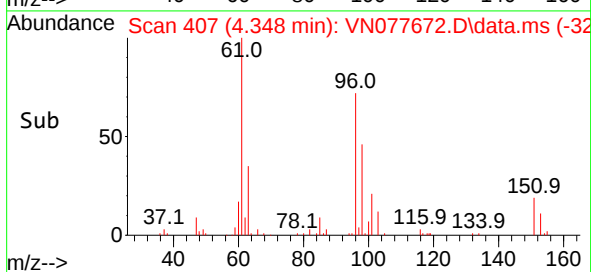
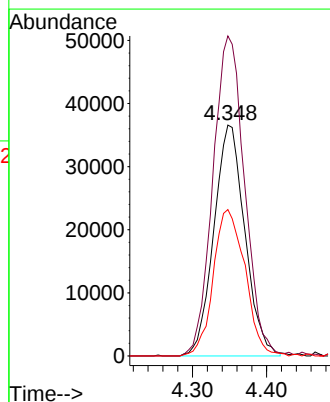
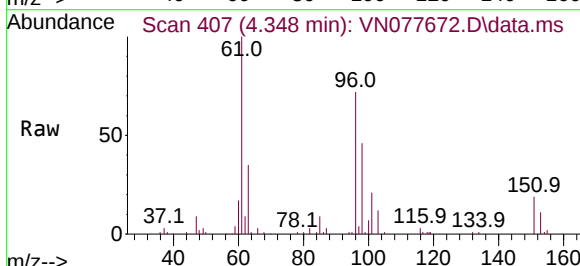
Manual Integrations
APPROVED

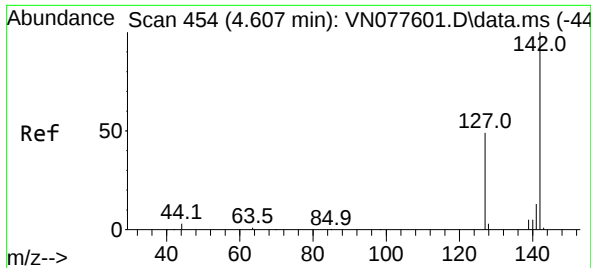
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#10
1,1-Dichloroethene
Concen: 18.143 ug/l
RT: 4.348 min Scan# 407
Delta R.T. -0.000 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

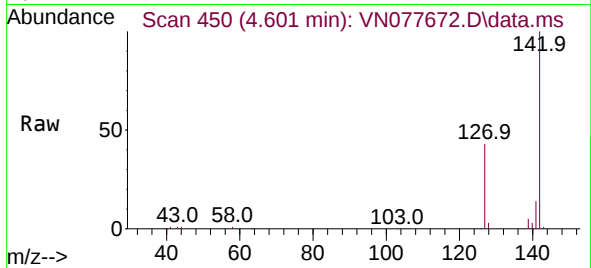
Tgt Ion: 96 Resp: 106236
Ion Ratio Lower Upper
96 100
61 138.6 120.1 180.1
98 63.4 48.3 72.5





#11
Methyl Iodide
Concen: 18.485 ug/l
RT: 4.601 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

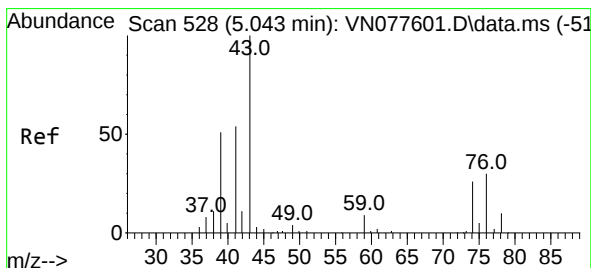
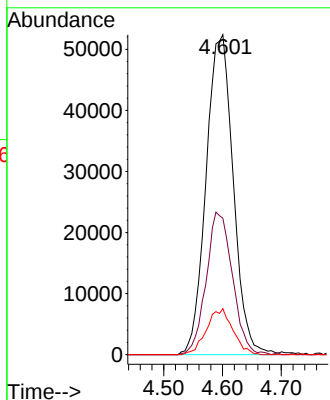
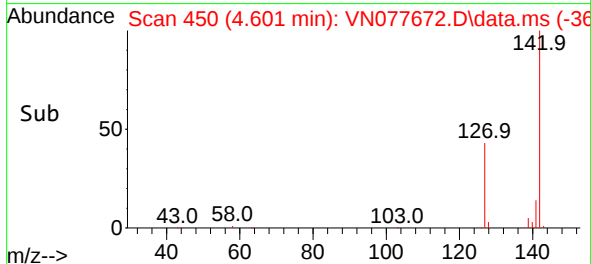
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



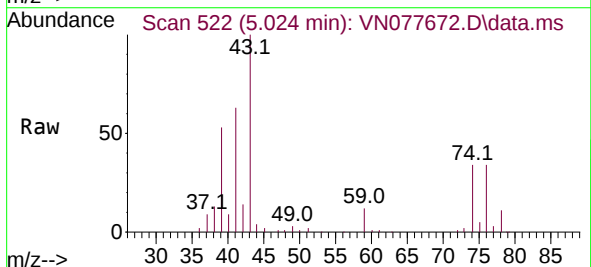
Tgt Ion:142 Resp: 16835
Ion Ratio Lower Upper
142 100
127 42.5 24.6 73.6
141 14.5 6.4 19.2

Manual Integrations
APPROVED

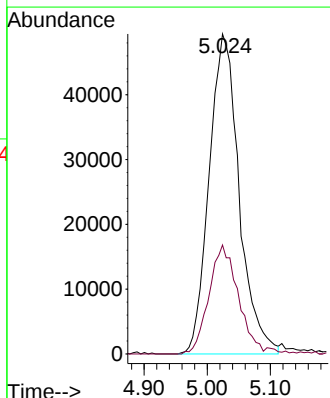
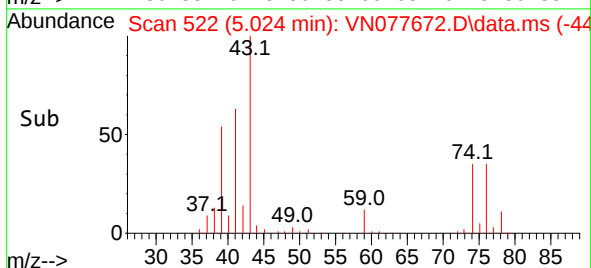
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

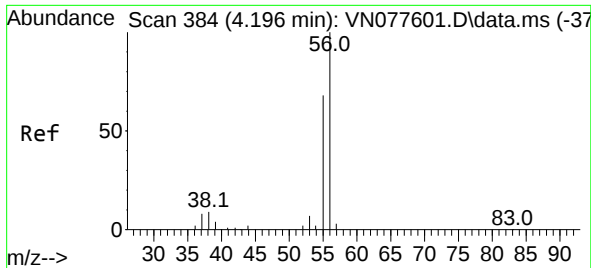


#12
Methyl Acetate
Concen: 22.992 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.019 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



Tgt Ion: 43 Resp: 162747
Ion Ratio Lower Upper
43 100
74 34.1 20.6 31.0#





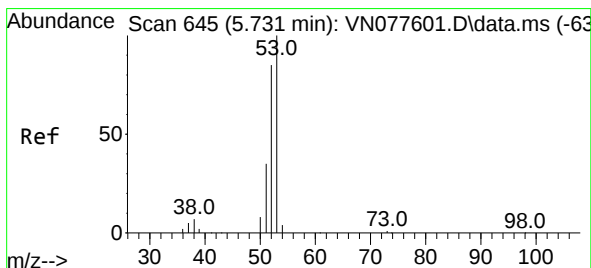
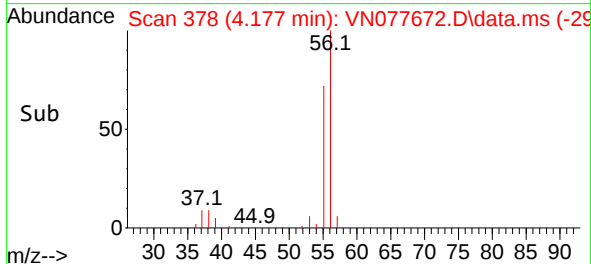
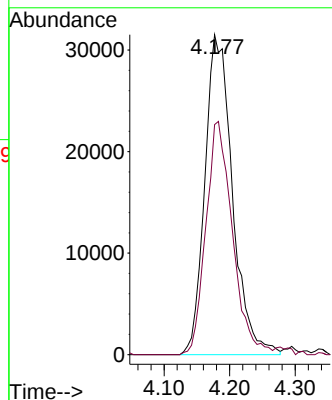
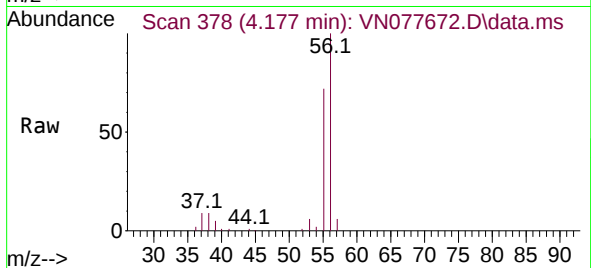
#13
Acrolein
Concen: 106.333 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.019 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 9219
Ion Ratio Lower Upper
56 100
55 70.2 54.8 82.2

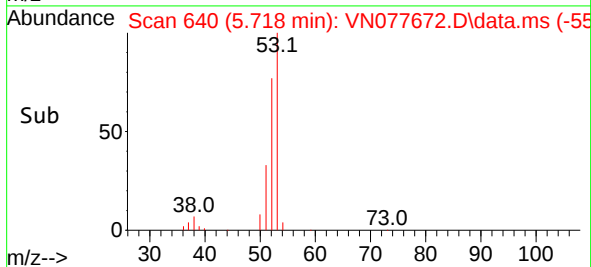
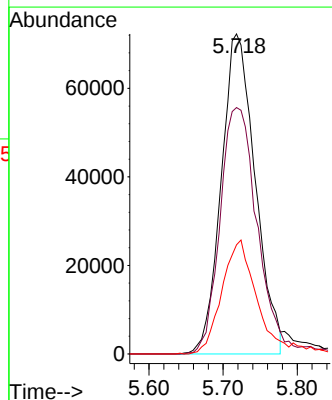
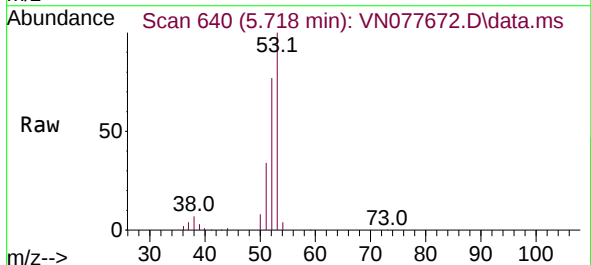
Manual Integrations
APPROVED

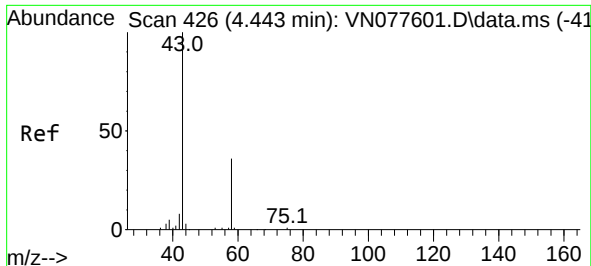
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#14
Acrylonitrile
Concen: 106.888 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.013 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

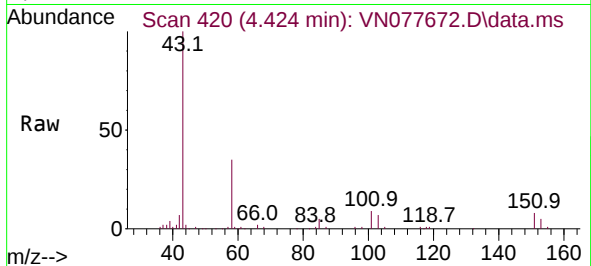
Tgt Ion: 53 Resp: 230150
Ion Ratio Lower Upper
53 100
52 83.9 41.6 124.8
51 35.7 17.6 52.9





#15
Acetone
Concen: 101.211 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.019 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

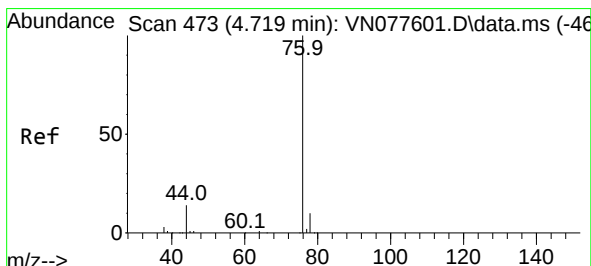
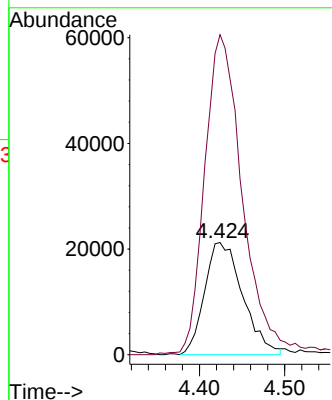
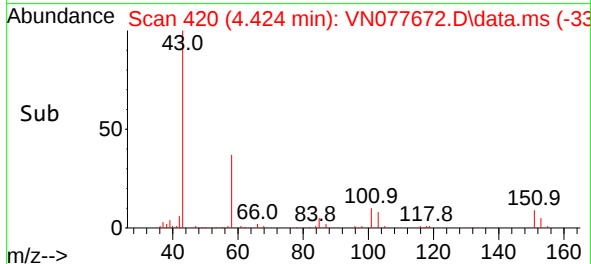
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



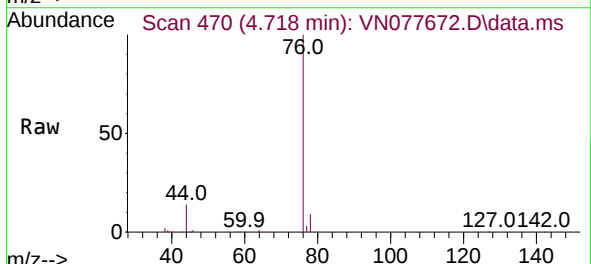
Tgt Ion: 58 Resp: 6614
Ion Ratio Lower Upper
58 100
43 282.9 223.2 334.8

Manual Integrations
APPROVED

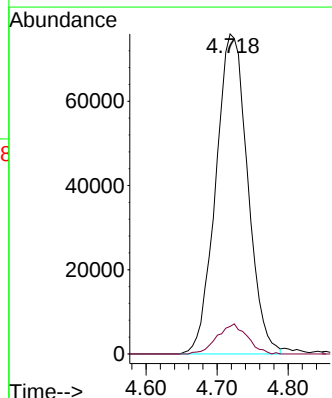
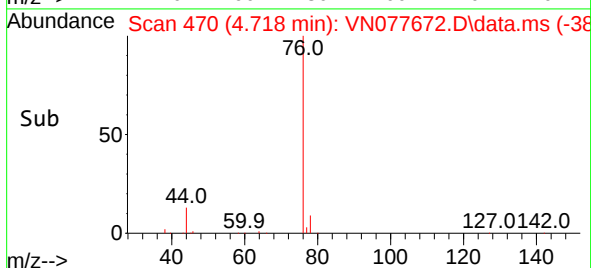
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

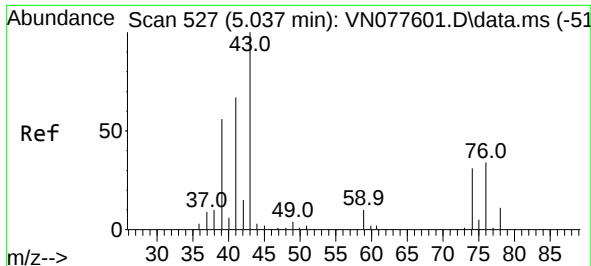


#16
Carbon Disulfide
Concen: 16.837 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



Tgt Ion: 76 Resp: 236829
Ion Ratio Lower Upper
76 100
78 8.6 7.6 11.4





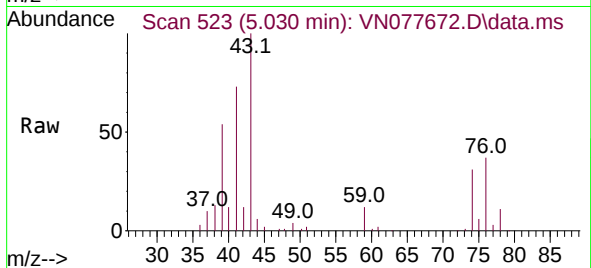
#17
 Allyl chloride
 Concen: 18.280 ug/l
 RT: 5.030 min Scan# 511
 Delta R.T. -0.007 min
 Lab File: VN077672.D
 Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

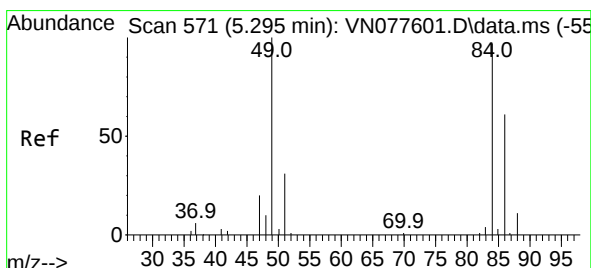
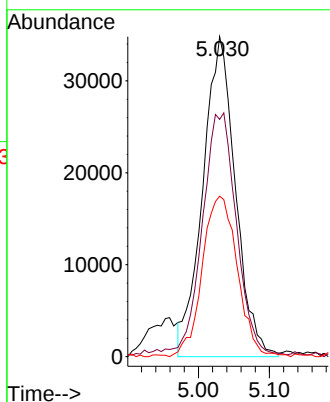
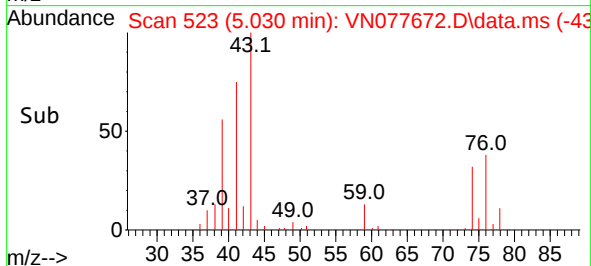


Tgt Ion: 41 Resp: 111111
 Ion Ratio Lower Upper
 41 100
 39 73.7 39.5 118.3
 76 50.0 23.4 70.3

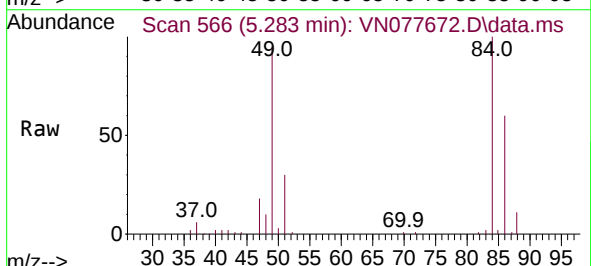
Manual Integrations

APPROVED

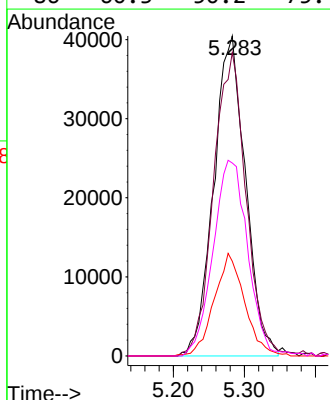
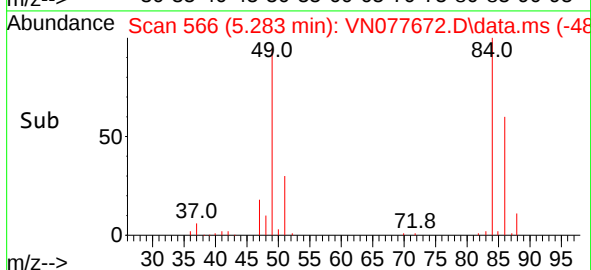
Reviewed By :John Carlone 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

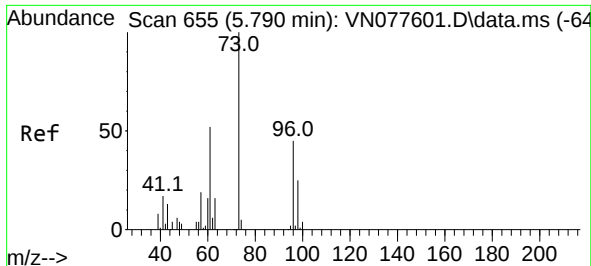


#18
 Methylene Chloride
 Concen: 17.670 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. -0.012 min
 Lab File: VN077672.D
 Acq: 12 May 2023 14:56



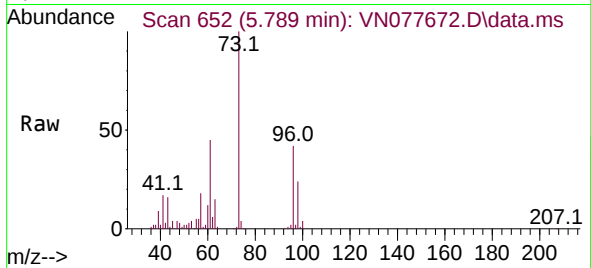
Tgt Ion: 84 Resp: 125755
 Ion Ratio Lower Upper
 84 100
 49 94.8 82.4 123.6
 51 29.2 25.1 37.7
 86 60.3 50.2 75.4





#19
trans-1,2-Dichloroethene
Concen: 18.355 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

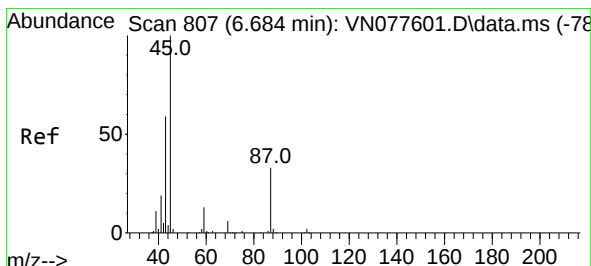
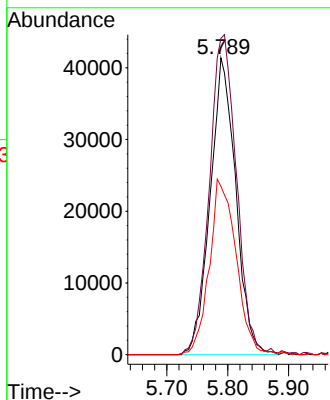
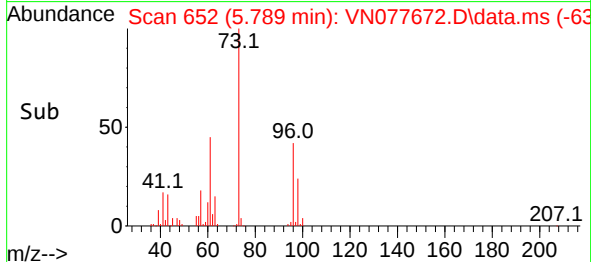
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 12091
Ion Ratio Lower Upper
96 100
61 106.6 92.4 138.6
98 56.7 44.8 67.2

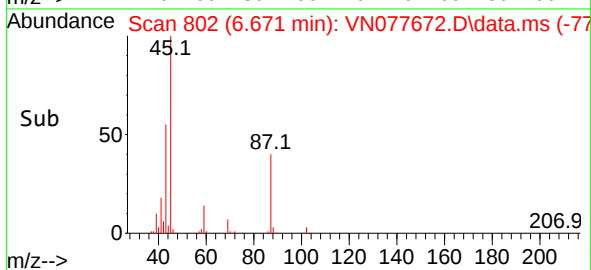
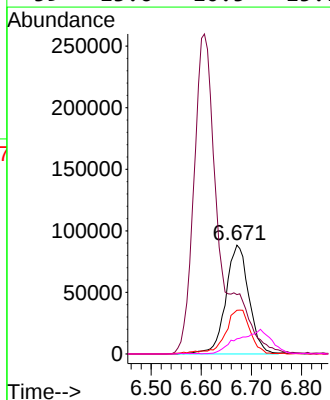
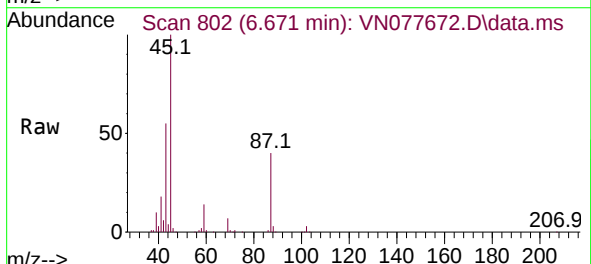
Manual Integrations
APPROVED

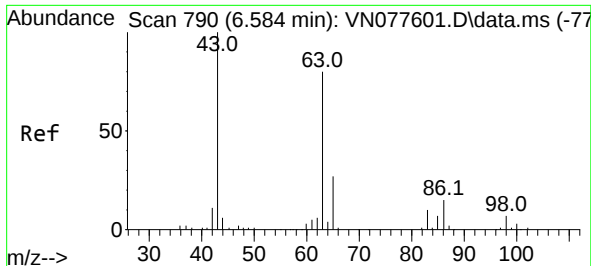
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#20
Diisopropyl ether
Concen: 19.097 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.013 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 45 Resp: 282317
Ion Ratio Lower Upper
45 100
43 50.8 47.1 70.7
87 39.6 26.2 39.2#
59 13.6 10.5 15.7





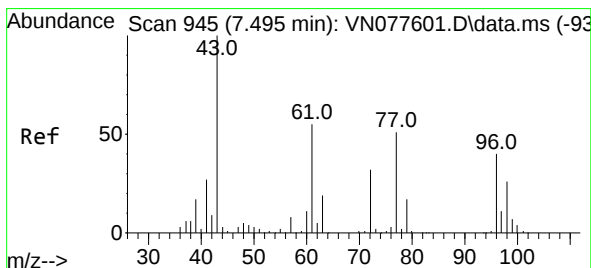
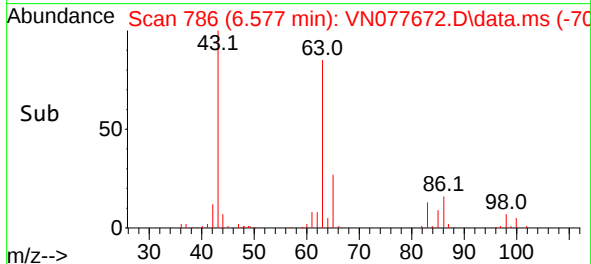
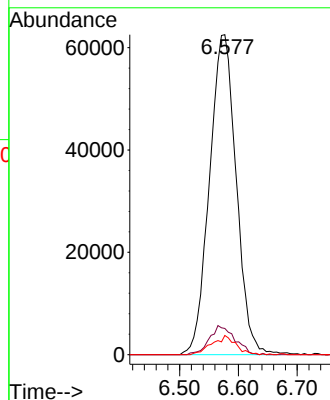
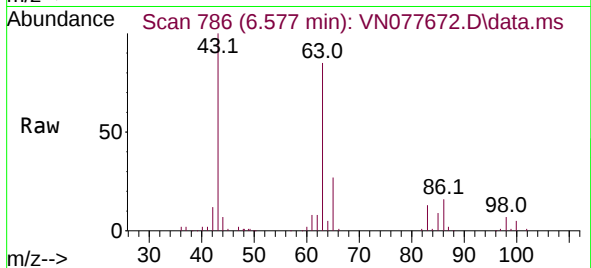
#21
1,1-Dichloroethane
Concen: 18.229 ug/l
RT: 6.577 min Scan# 790
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 19767
Ion Ratio Lower Upper
63 100
98 8.2 4.3 13.1
100 6.0 2.3 6.8

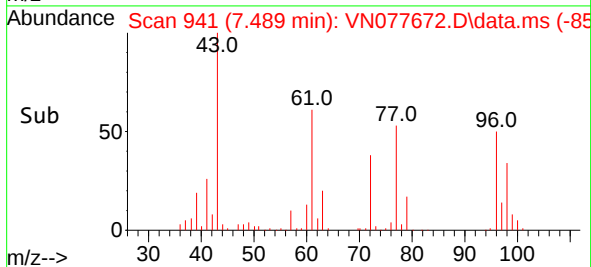
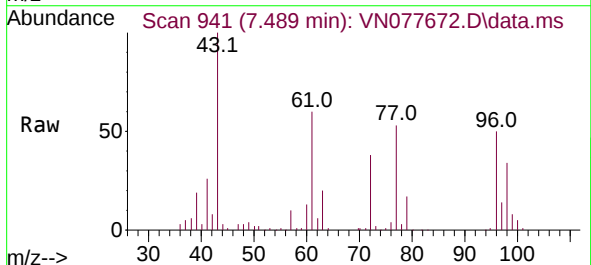
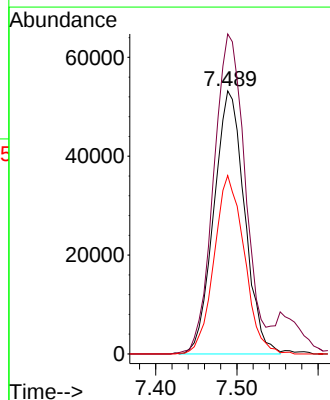
Manual Integrations
APPROVED

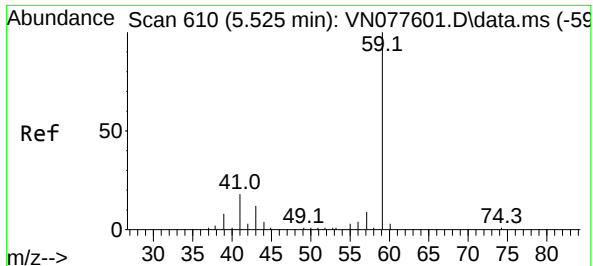
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#22
cis-1,2-Dichloroethene
Concen: 17.611 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

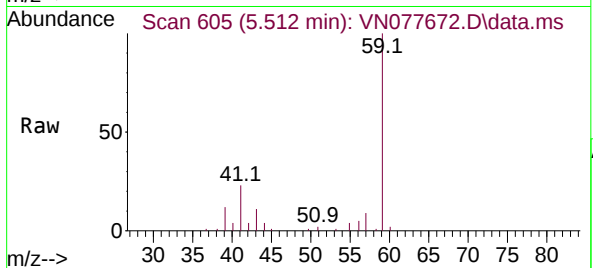
Tgt Ion: 96 Resp: 139796
Ion Ratio Lower Upper
96 100
61 124.1 109.4 164.0
98 66.7 51.2 76.8





#23
tert-Butyl Alcohol
Concen: 111.185 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.013 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

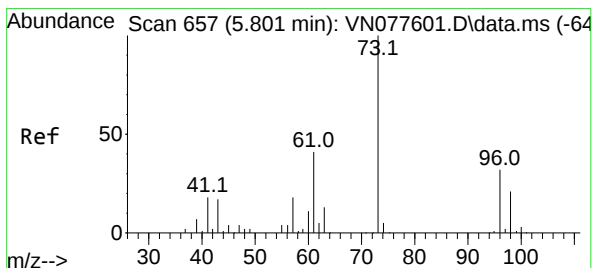
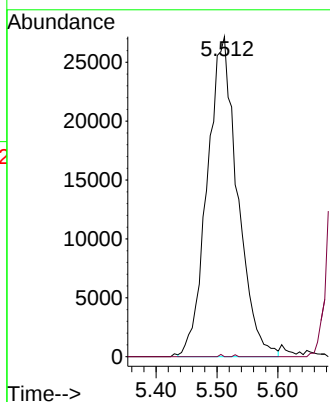
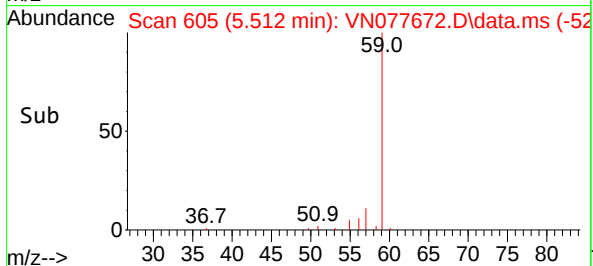
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 93784
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

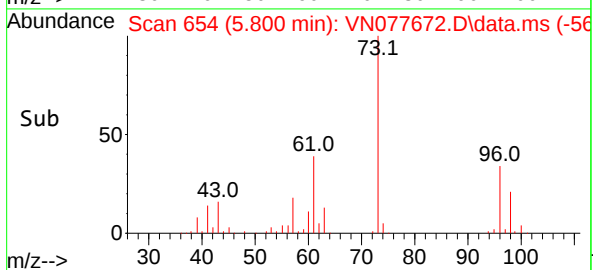
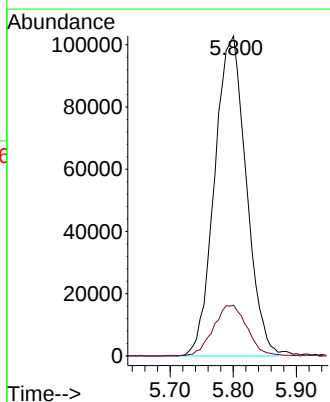
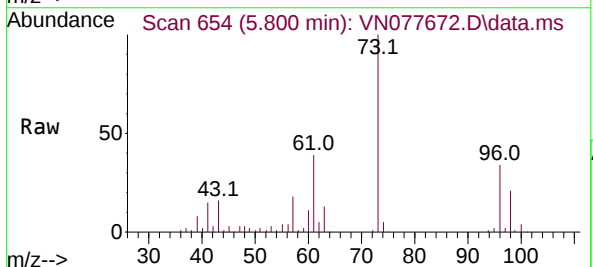
Manual Integrations
APPROVED

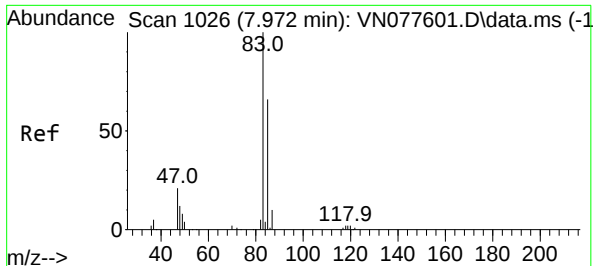
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#24
Methyl tert-Butyl Ether
Concen: 18.045 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 73 Resp: 357663
Ion Ratio Lower Upper
73 100
43 16.9 14.3 21.5





#25

Chloroform

Concen: 18.036 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.001 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 233124

Ion Ratio Lower Upper

83 100

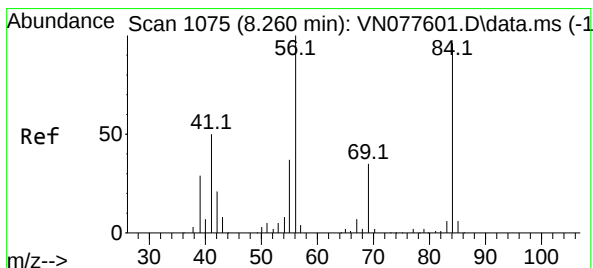
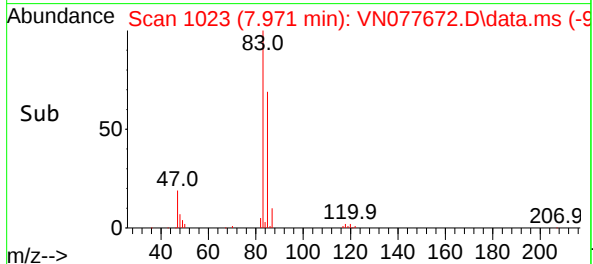
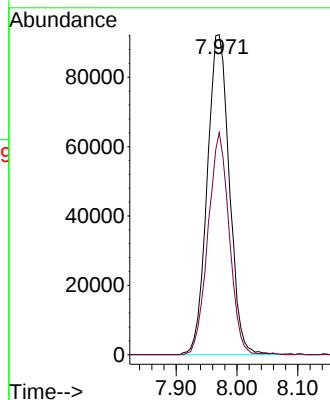
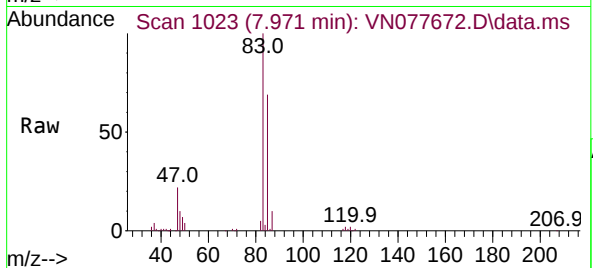
85 69.4 53.0 79.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#26

Cyclohexane

Concen: 17.227 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.005 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

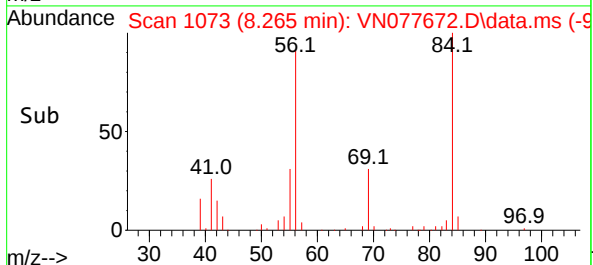
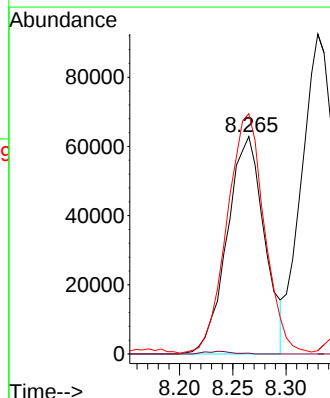
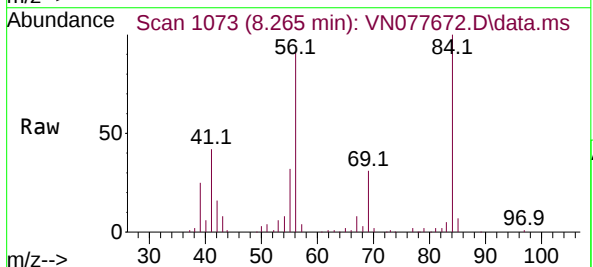
Tgt Ion: 56 Resp: 153353

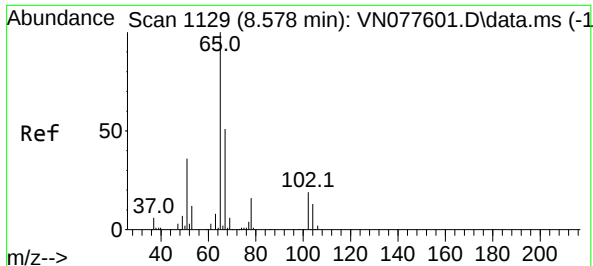
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 111.2 84.6 126.8





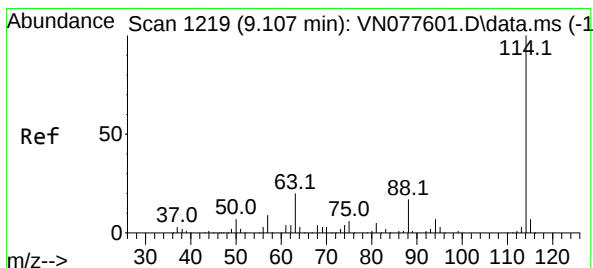
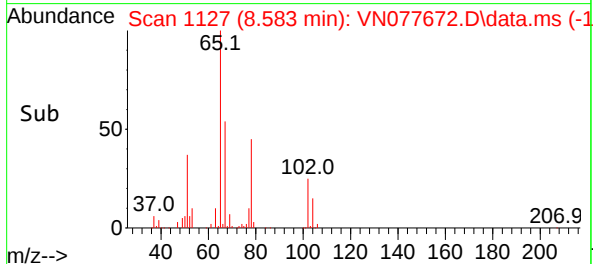
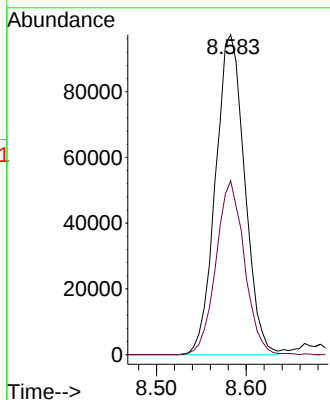
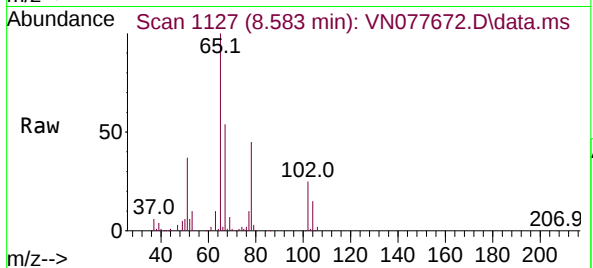
#27
1,2-Dichloroethane-d4
Concen: 27.770 ug/l
RT: 8.583 min Scan# 1129
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 219490
Ion Ratio Lower Upper
65 100
67 52.8 41.3 61.9

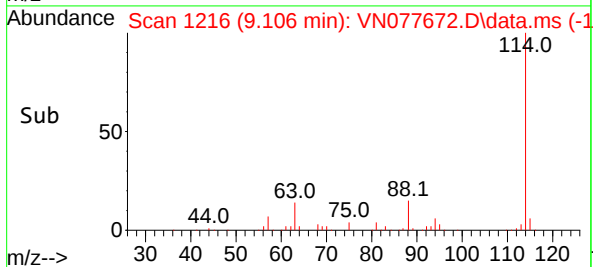
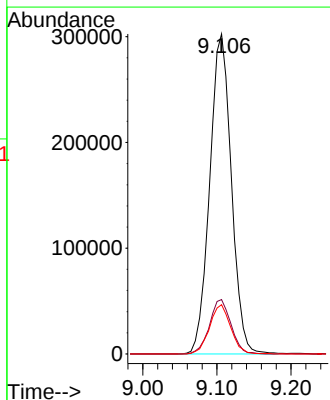
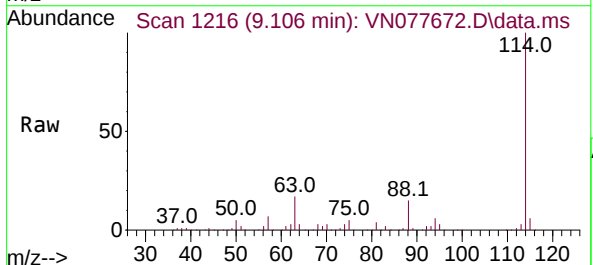
Manual Integrations
APPROVED

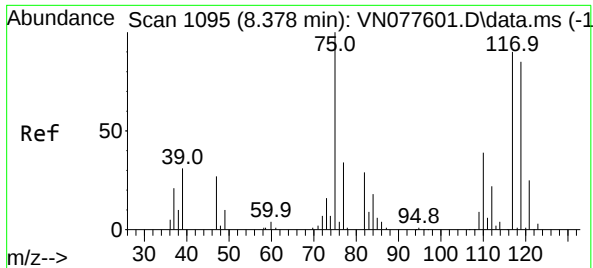
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion:114 Resp: 613040
Ion Ratio Lower Upper
114 100
63 16.9 15.8 23.6
88 15.1 13.0 19.4





#29
1,1-Dichloropropene
Concen: 18.164 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

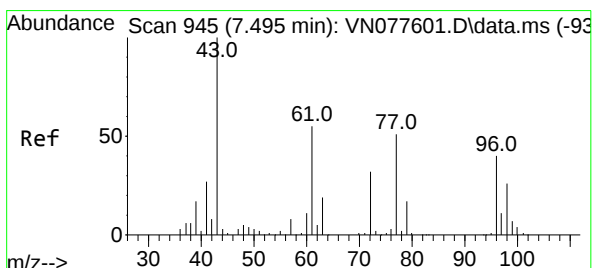
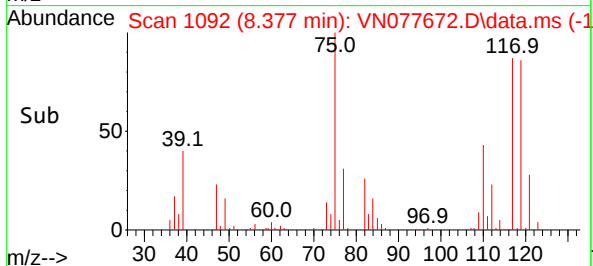
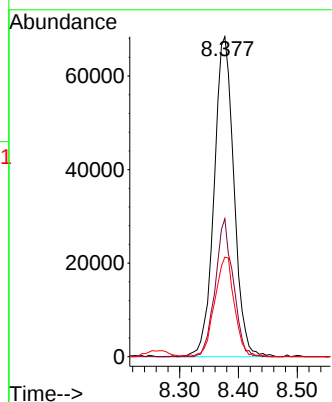
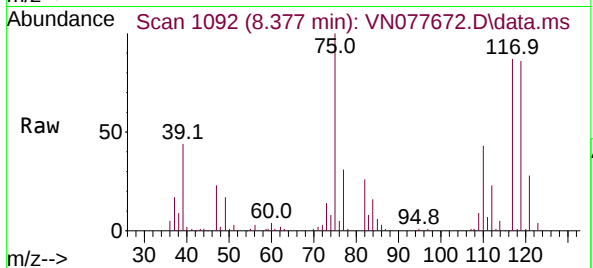
Tgt Ion: 75 Resp: 160307
Ion Ratio Lower Upper
75 100
110 38.9 0.0 69.8
77 30.5 0.0 61.4

Manual Integrations

APPROVED

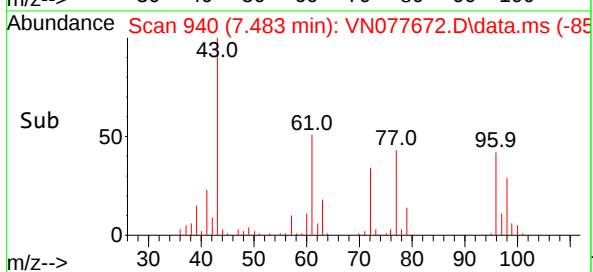
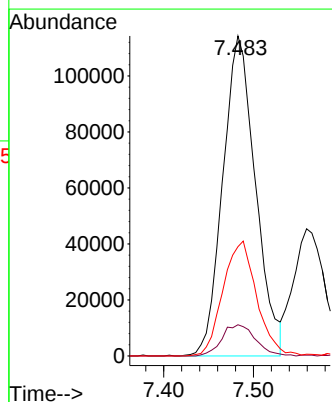
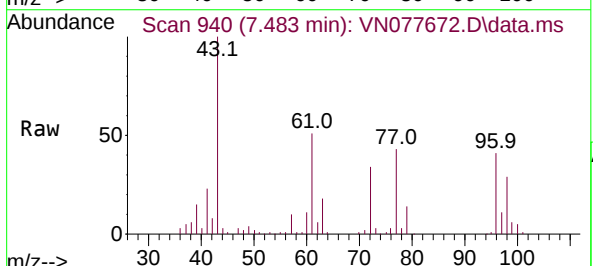
Reviewed By :John Carlone 05/15/2023

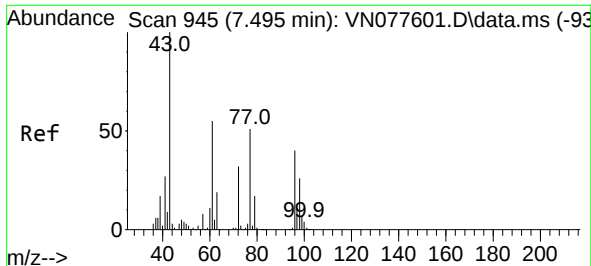
Supervised By :Mahesh Dadoda 05/15/2023



#30
2-Butanone
Concen: 123.039 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.012 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

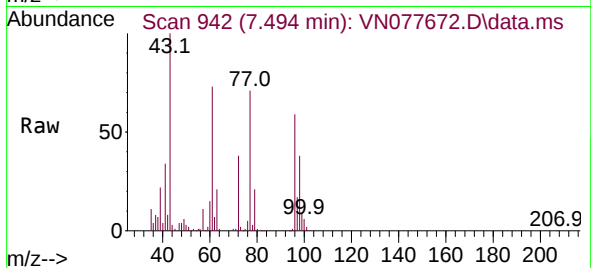
Tgt Ion: 43 Resp: 289434
Ion Ratio Lower Upper
43 100
57 10.0 7.2 10.8
72 36.6 26.2 39.2





#31
2,2-Dichloropropane
Concen: 16.765 ug/l
RT: 7.494 min Scan# 945
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

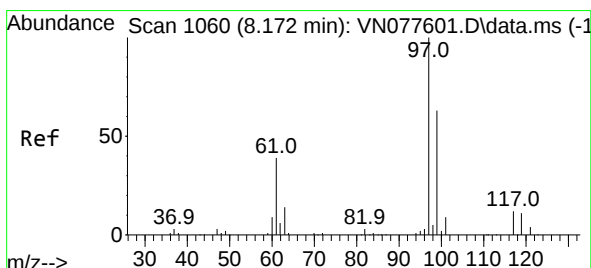
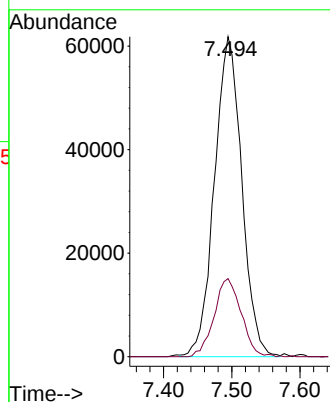
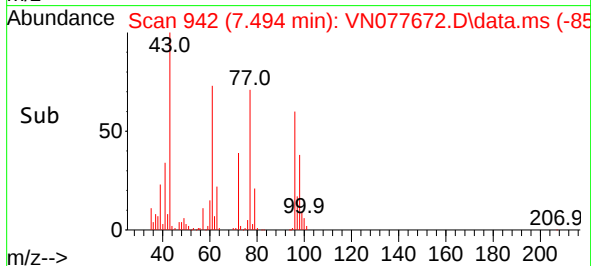
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



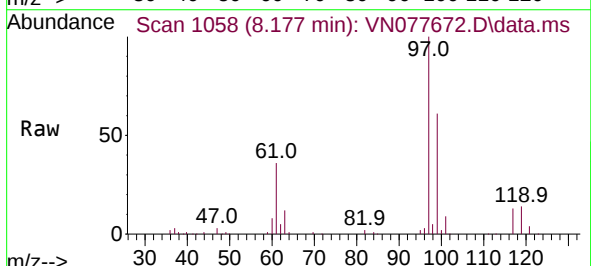
Tgt Ion: 77 Resp: 172378
Ion Ratio Lower Upper
77 100
97 24.0 19.1 28.7

Manual Integrations
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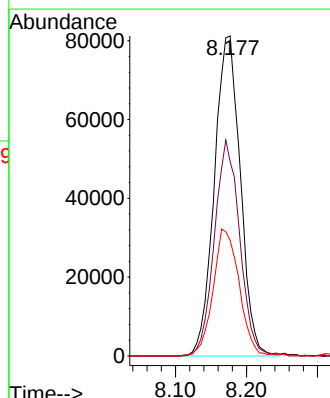
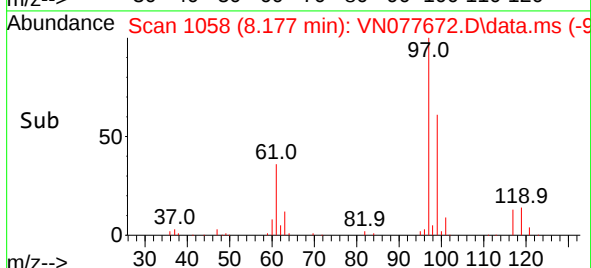
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

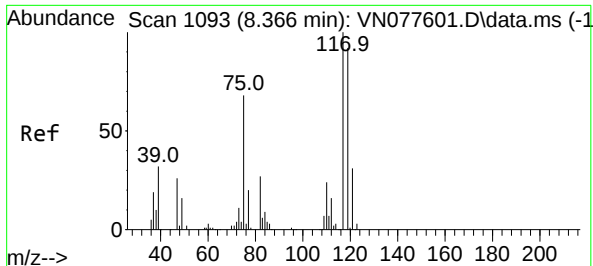


#32
1,1,1-Trichloroethane
Concen: 18.058 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



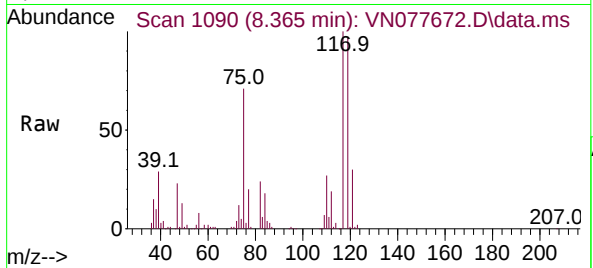
Tgt Ion: 97 Resp: 206254
Ion Ratio Lower Upper
97 100
99 65.4 53.1 79.7
61 39.8 35.1 52.7





#33
Carbon Tetrachloride
Concen: 19.056 ug/l
RT: 8.365 min Scan# 1093
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

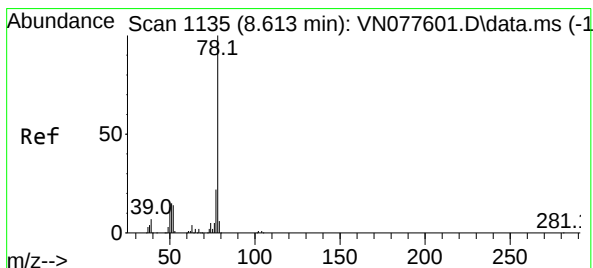
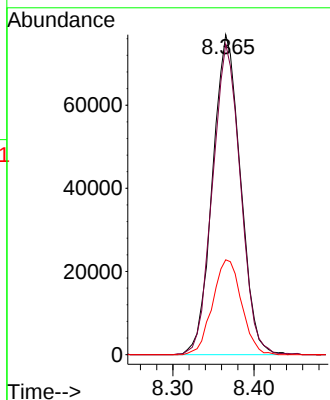
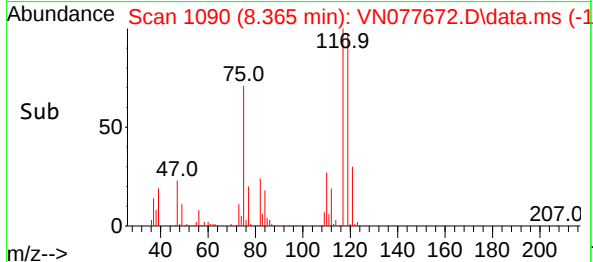
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 184058
Ion Ratio Lower Upper
117 100
119 96.8 73.9 110.9
121 29.7 25.0 37.4

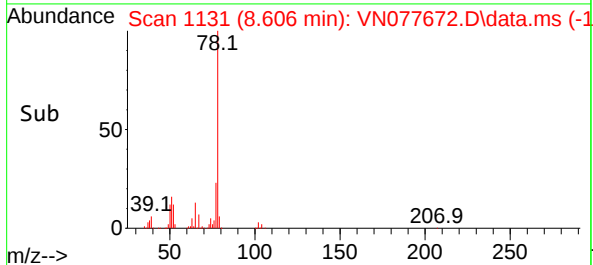
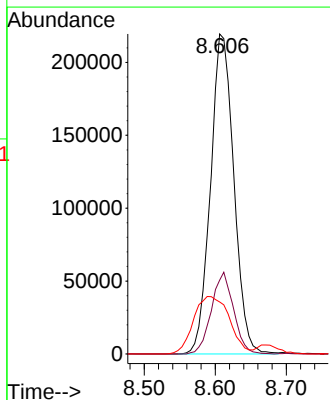
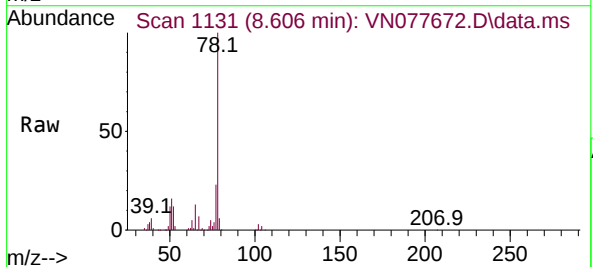
Manual Integrations
APPROVED

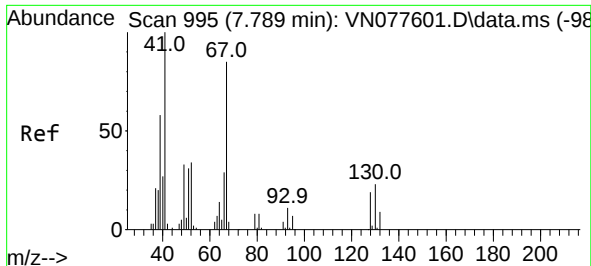
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#34
Benzene
Concen: 18.796 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 78 Resp: 500877
Ion Ratio Lower Upper
78 100
77 23.1 17.2 25.8
51 15.2 12.3 18.5





#35
Methacrylonitrile
Concen: 23.678 ug/l
RT: 7.783 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

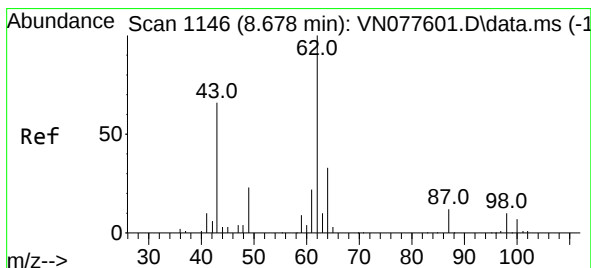
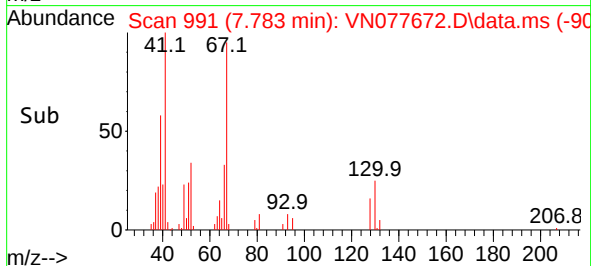
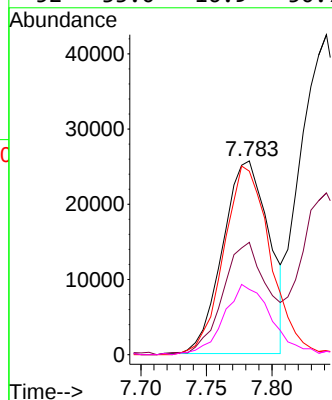
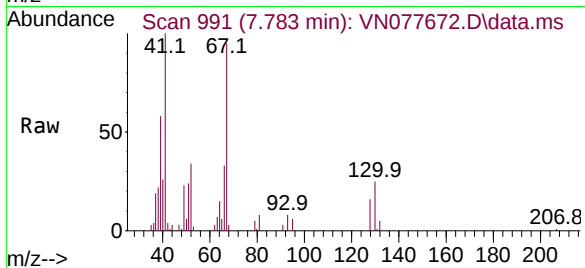
VSTDCCC020EC

Tgt Ion: 41 Resp: 6322
Ion Ratio Lower Upper
41 100
39 57.1 28.7 86.3
67 94.4 42.7 128.1
52 33.0 16.9 50.7

Manual Integrations

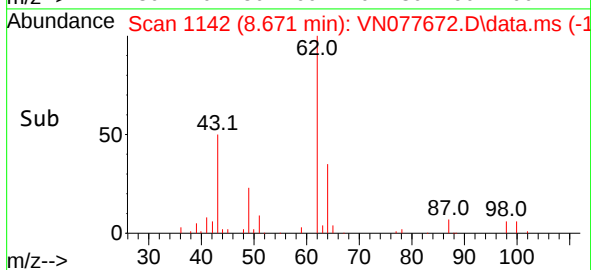
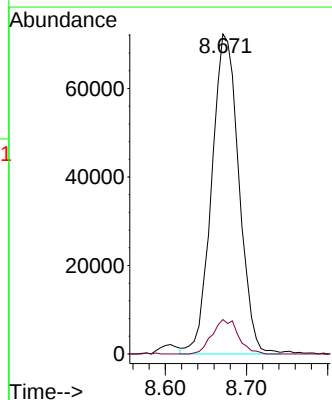
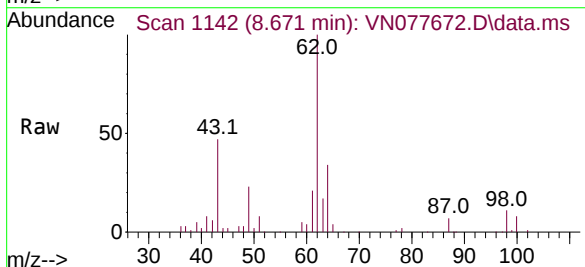
APPROVED

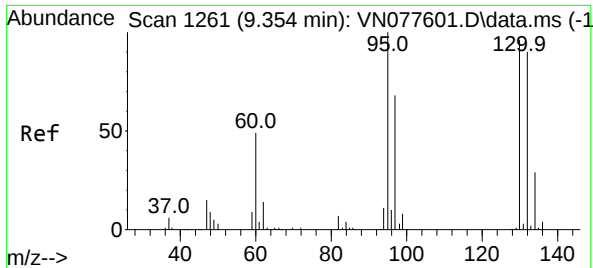
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#36
1,2-Dichloroethane
Concen: 18.953 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

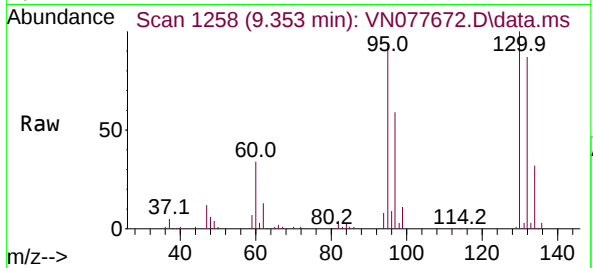
Tgt Ion: 62 Resp: 168379
Ion Ratio Lower Upper
62 100
98 10.4 7.6 11.4





#37
Trichloroethene
Concen: 20.891 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

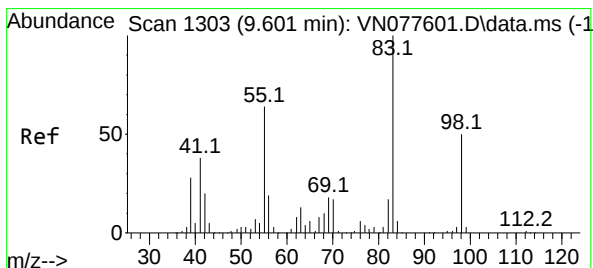
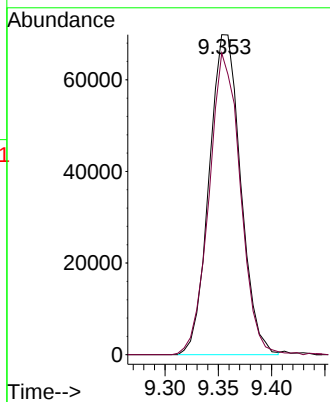
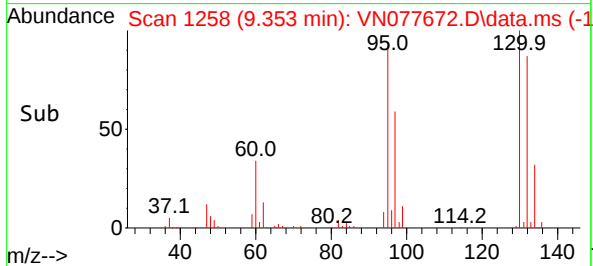
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



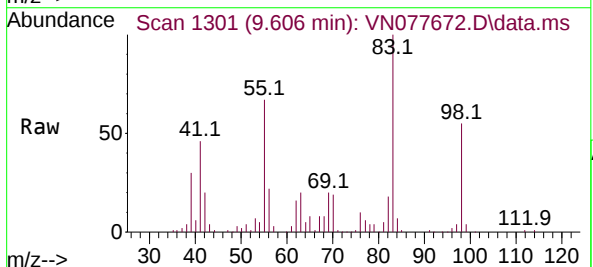
Tgt Ion:130 Resp: 143910
Ion Ratio Lower Upper
130 100
95 93.8 83.0 124.6

Manual Integrations
APPROVED

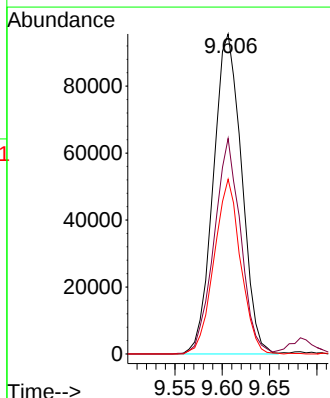
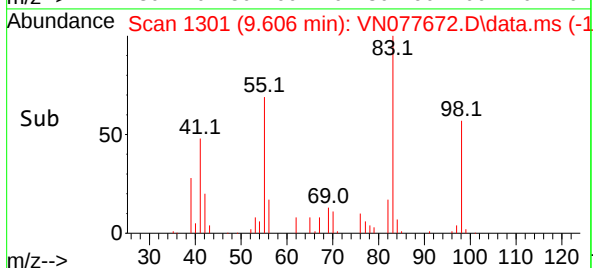
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

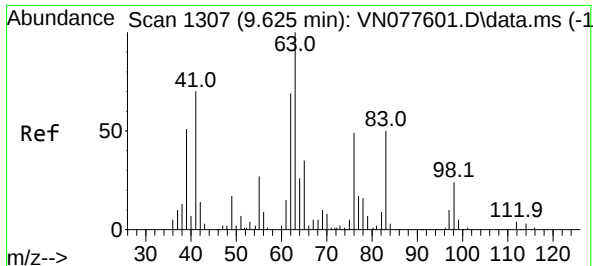


#38
Methylcyclohexane
Concen: 17.486 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



Tgt Ion: 83 Resp: 198697
Ion Ratio Lower Upper
83 100
55 63.3 33.6 100.8
98 51.1 25.3 75.8





#39

1,2-Dichloropropane

Concen: 18.607 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. -0.001 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 11479

Ion Ratio Lower Upper

63 100

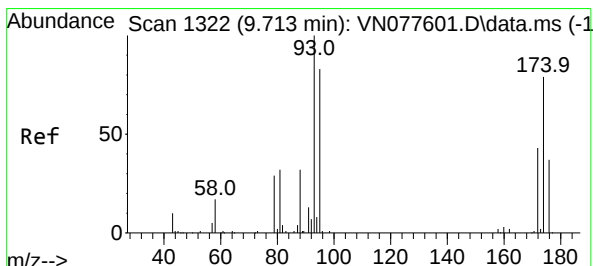
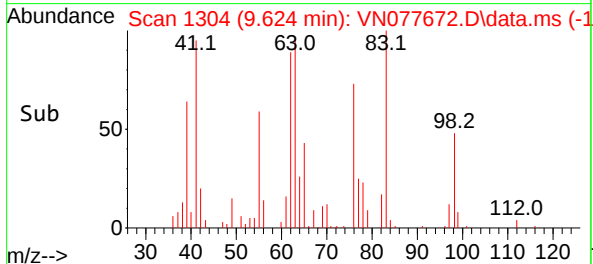
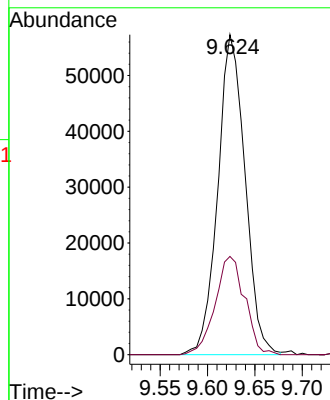
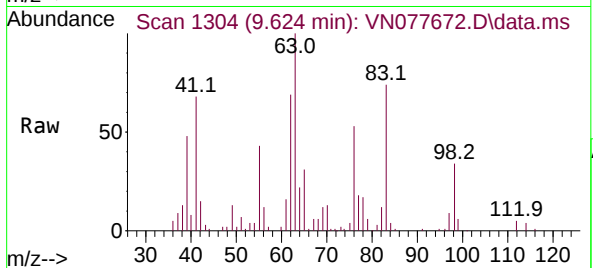
65 30.7 28.2 42.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#40

Dibromomethane

Concen: 18.575 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.001 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

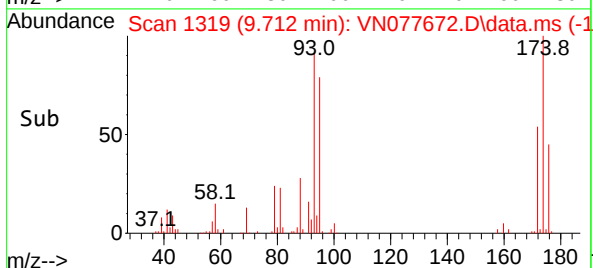
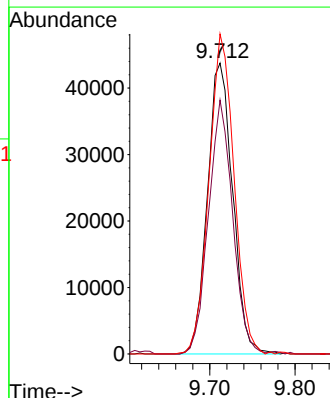
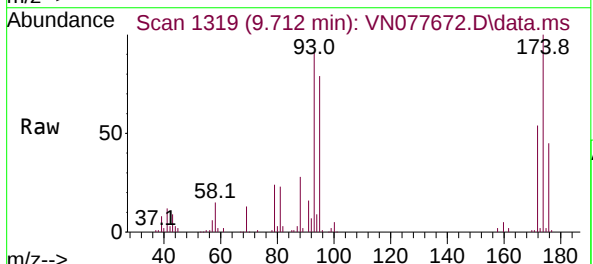
Tgt Ion: 93 Resp: 90347

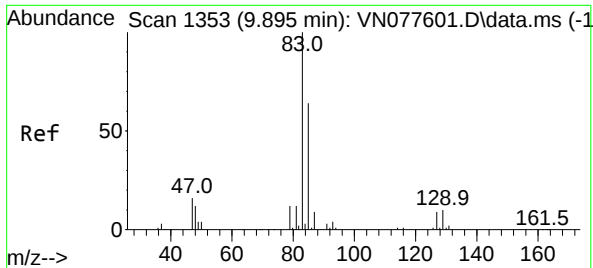
Ion Ratio Lower Upper

93 100

95 83.4 0.0 164.0

174 108.9 0.0 157.0





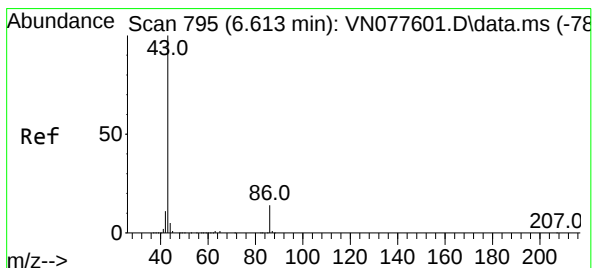
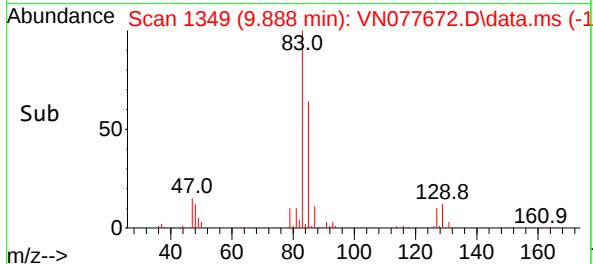
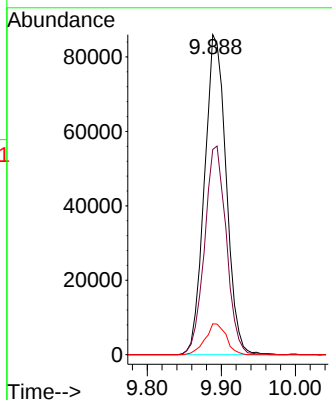
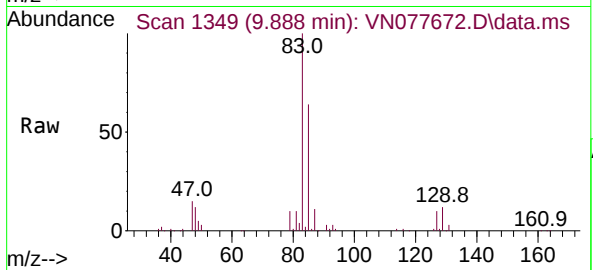
#41
Bromodichloromethane
Concen: 17.840 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 174720
Ion Ratio Lower Upper
83 100
85 64.1 51.2 76.8
127 9.7 7.3 10.9

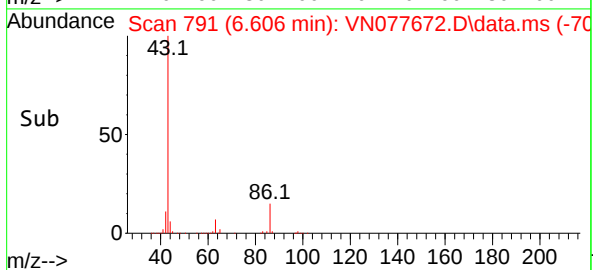
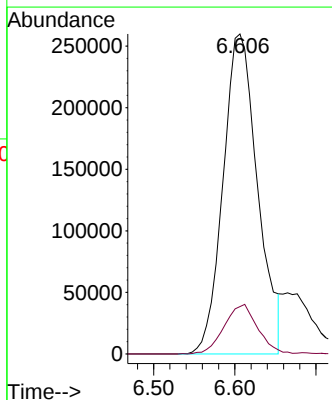
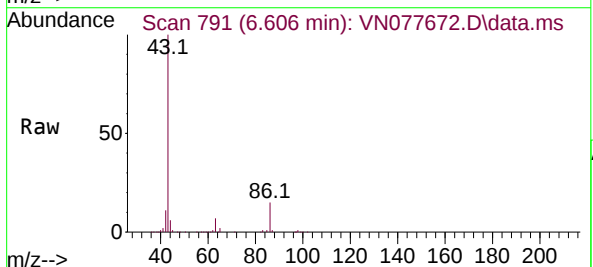
Manual Integrations
APPROVED

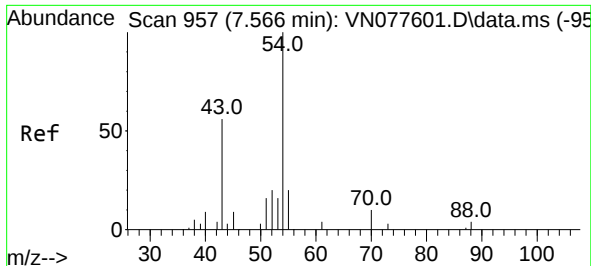
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#42
Vinyl Acetate
Concen: 88.033 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 43 Resp: 768177
Ion Ratio Lower Upper
43 100
86 15.0 10.3 15.5





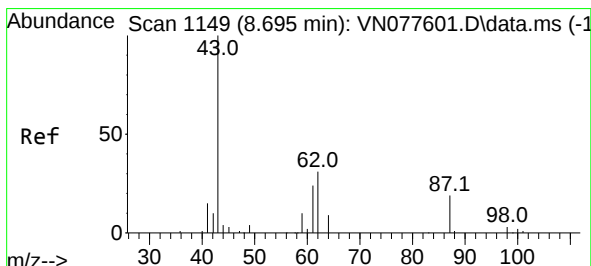
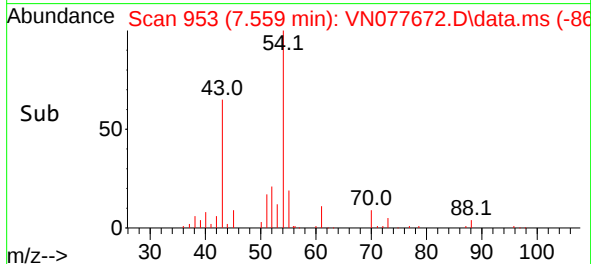
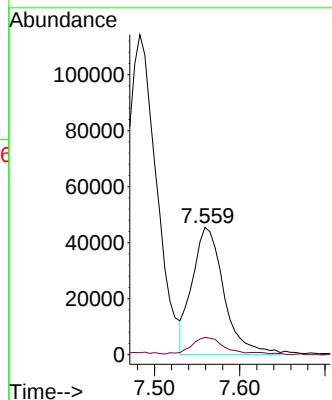
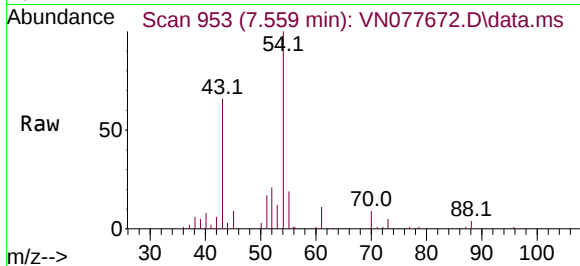
#43
Ethyl Acetate
Concen: 23.217 ug/l
RT: 7.559 min Scan# 911
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 117374
Ion Ratio Lower Upper
43 100
45 13.3 8.2 12.4

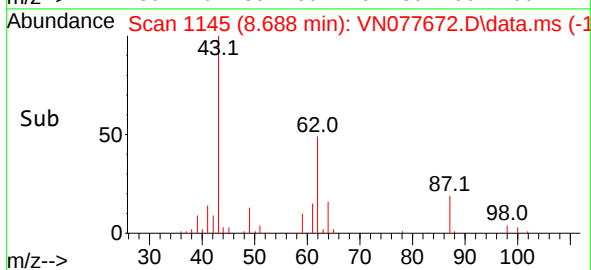
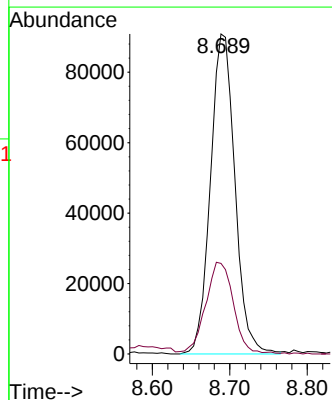
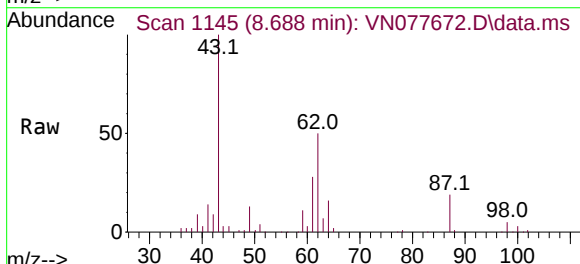
Manual Integrations
APPROVED

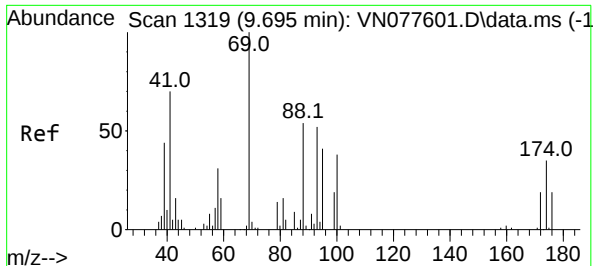
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#44
Isopropyl Acetate
Concen: 21.522 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.007 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 43 Resp: 199221
Ion Ratio Lower Upper
43 100
61 32.5 23.2 34.8





#45

1,4-Dioxane

Concen: 473.912 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.001 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 54530

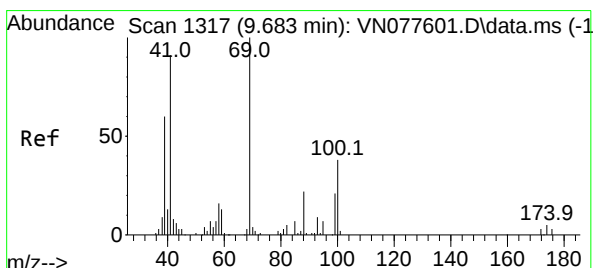
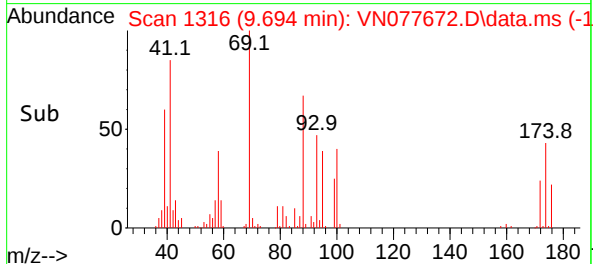
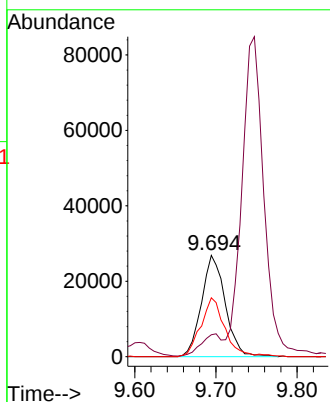
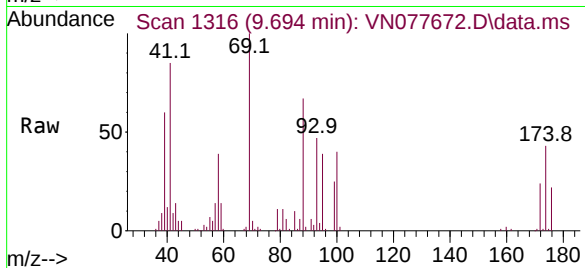
Ion	Ratio	Lower	Upper
88	100		
43	17.9	18.2	27.2
58	57.9	47.5	71.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#46

Methyl methacrylate

Concen: 21.955 ug/l

RT: 9.683 min Scan# 1314

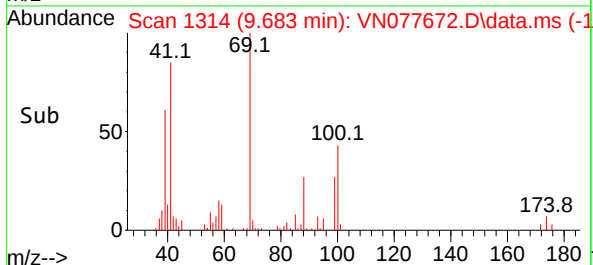
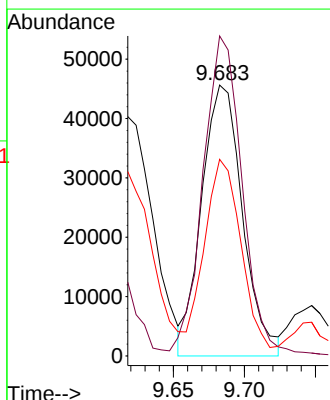
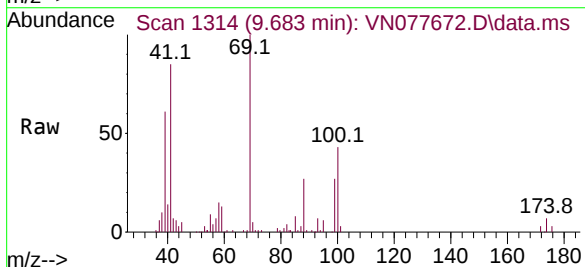
Delta R.T. -0.000 min

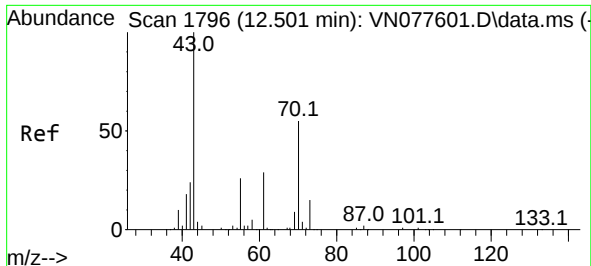
Lab File: VN077672.D

Acq: 12 May 2023 14:56

Tgt Ion: 41 Resp: 91271

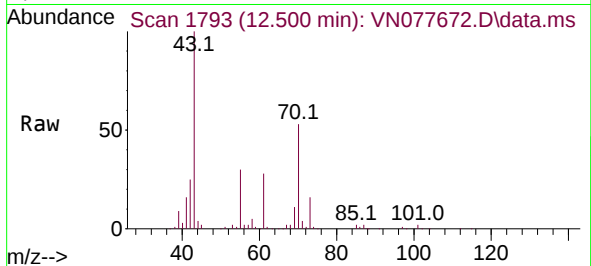
Ion	Ratio	Lower	Upper
41	100		
69	123.5	52.0	156.0
39	74.3	33.6	100.6





#47
n-amyl acetate
Concen: 19.756 ug/l
RT: 12.500 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

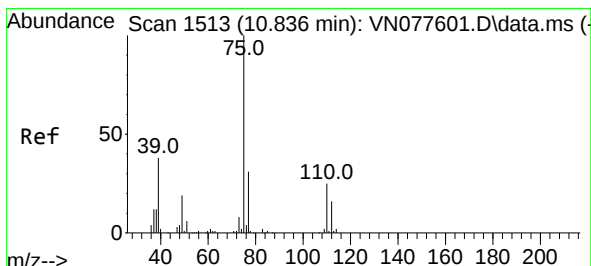
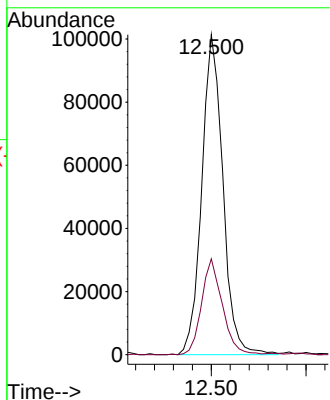
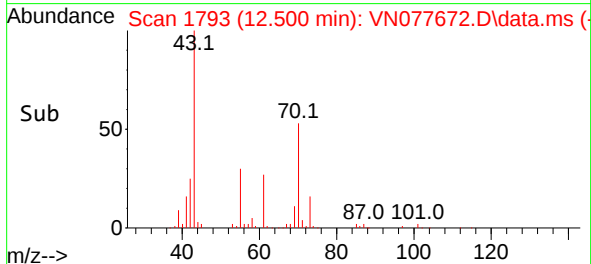
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 157490
Ion Ratio Lower Upper
43 100
55 29.3 21.4 32.0

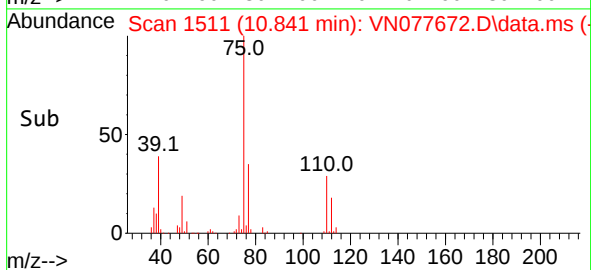
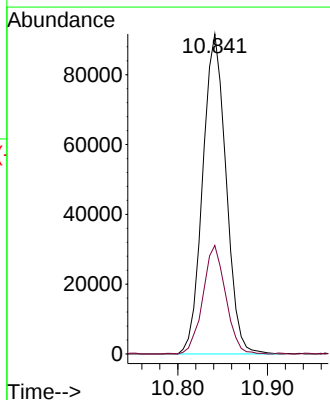
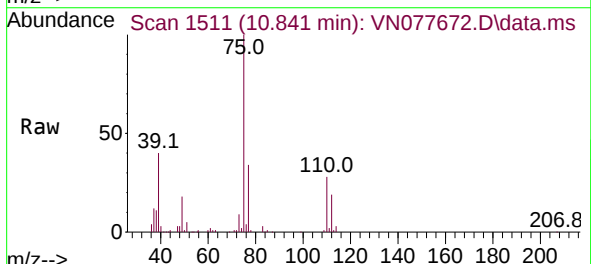
Manual Integrations
APPROVED

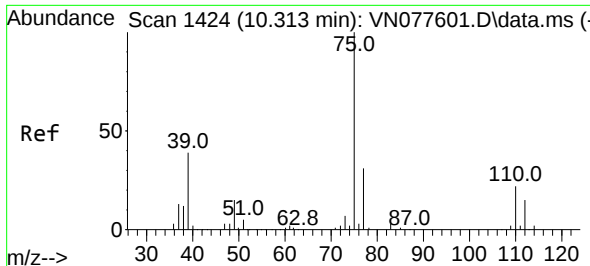
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#48
t-1,3-Dichloropropene
Concen: 16.775 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

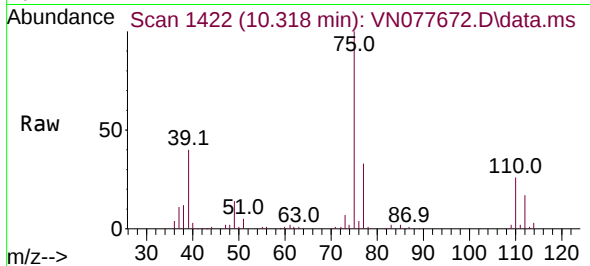
Tgt Ion: 75 Resp: 165635
Ion Ratio Lower Upper
75 100
77 33.9 25.1 37.7





#49
 cis-1,3-Dichloropropene
 Concen: 17.289 ug/l
 RT: 10.318 min Scan# 1424
 Delta R.T. 0.005 min
 Lab File: VN077672.D
 Acq: 12 May 2023 14:56

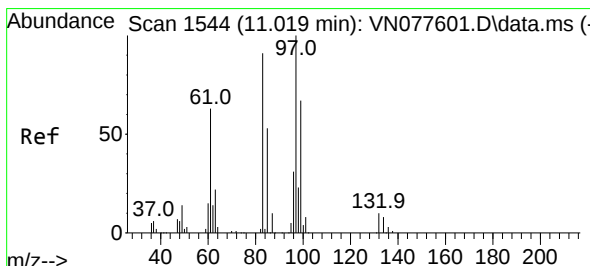
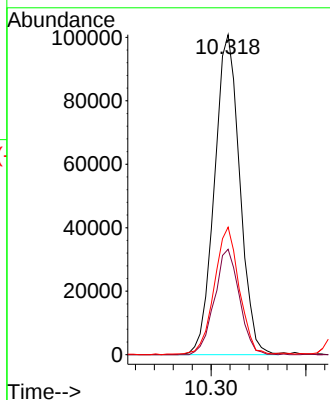
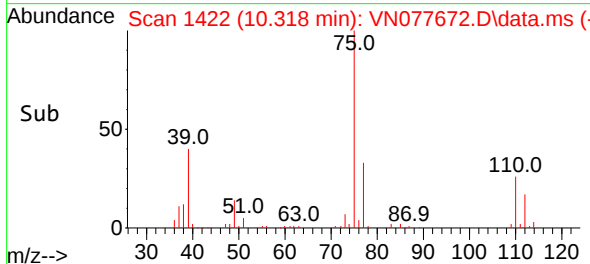
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 18711
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.7 37.1
 39 39.6 31.0 46.6

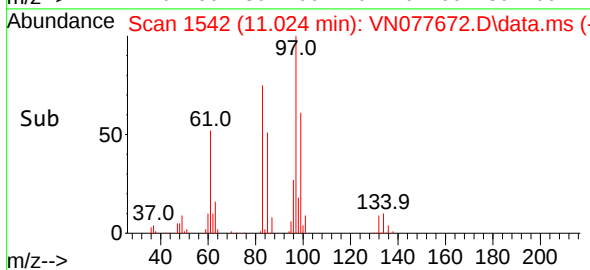
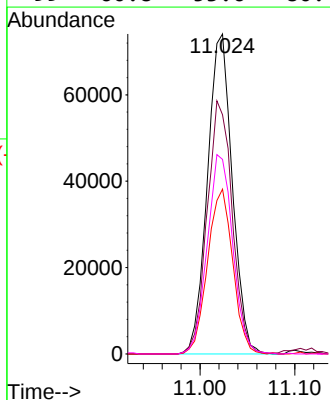
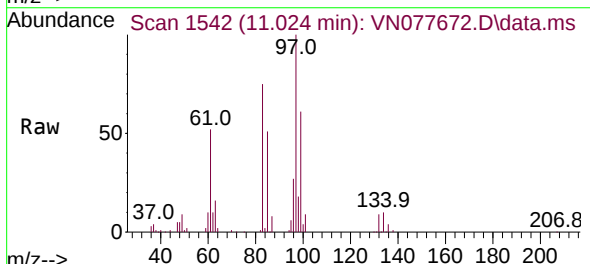
Manual Integrations
 APPROVED

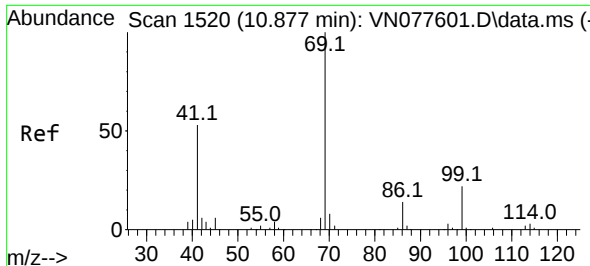
Reviewed By :John Carlone 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#50
 1,1,2-Trichloroethane
 Concen: 19.276 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. 0.005 min
 Lab File: VN077672.D
 Acq: 12 May 2023 14:56

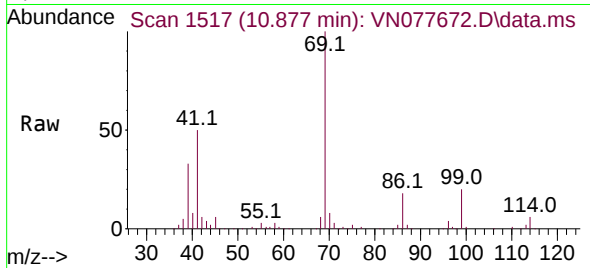
Tgt Ion: 97 Resp: 135023
 Ion Ratio Lower Upper
 97 100
 83 74.7 72.6 108.8
 85 51.5 42.6 63.8
 99 60.8 53.6 80.4





#51
Ethyl methacrylate
Concen: 19.491 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

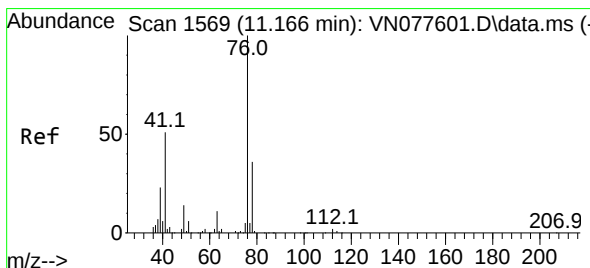
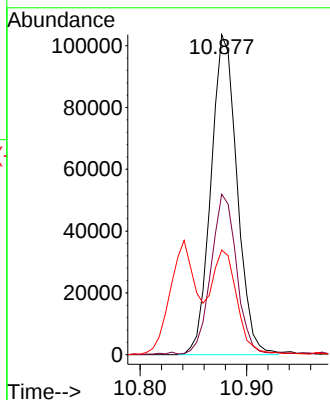
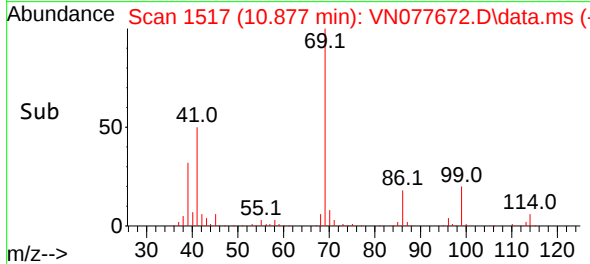
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



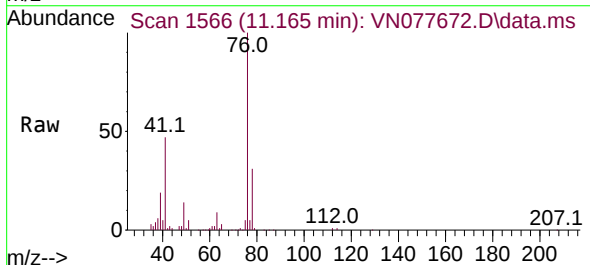
Tgt Ion: 69 Resp: 176244
Ion Ratio Lower Upper
69 100
41 49.9 26.3 78.9
39 32.1 18.1 54.1

Manual Integrations
APPROVED

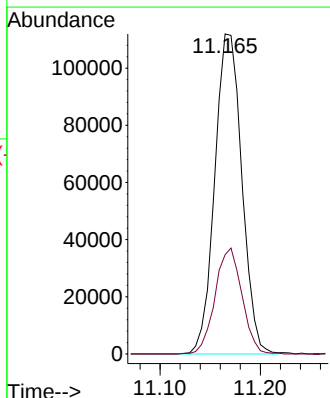
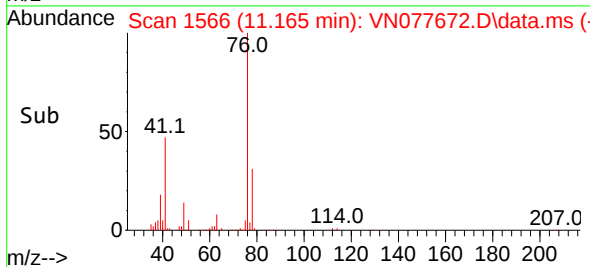
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

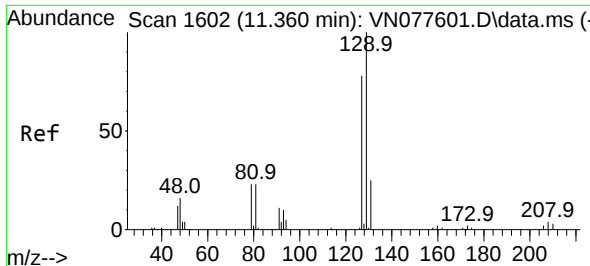


#52
1,3-Dichloropropane
Concen: 18.540 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



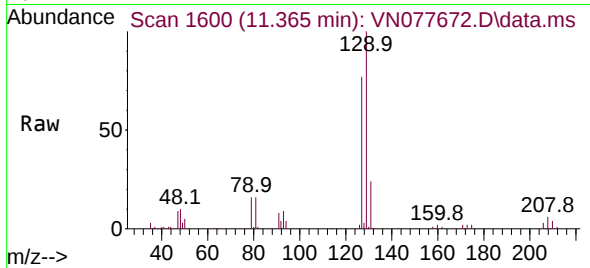
Tgt Ion: 76 Resp: 209972
Ion Ratio Lower Upper
76 100
78 32.8 0.0 66.4





#53
Dibromochloromethane
Concen: 19.628 ug/l
RT: 11.365 min Scan# 1602
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

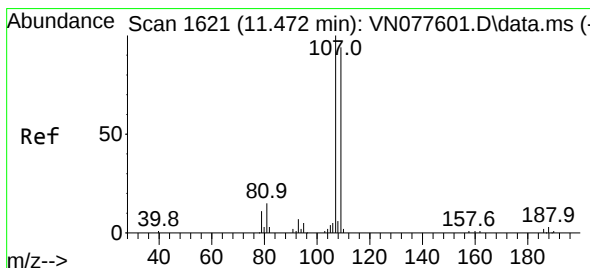
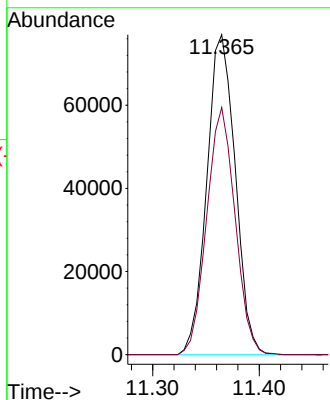
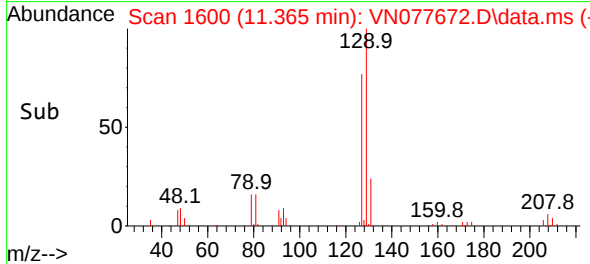
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



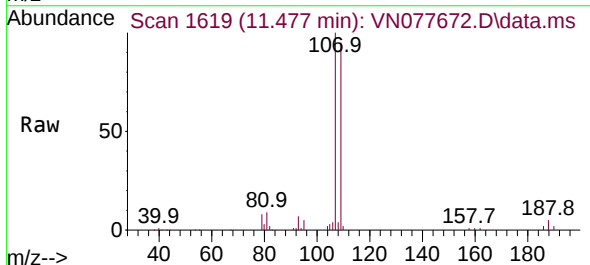
Tgt Ion:129 Resp: 14304
Ion Ratio Lower Upper
129 100
127 77.0 39.4 118.1

Manual Integrations
APPROVED

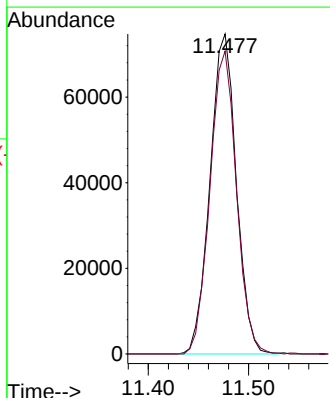
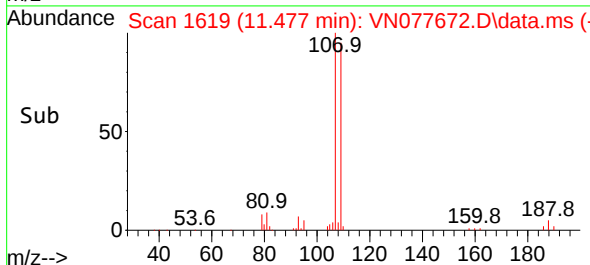
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

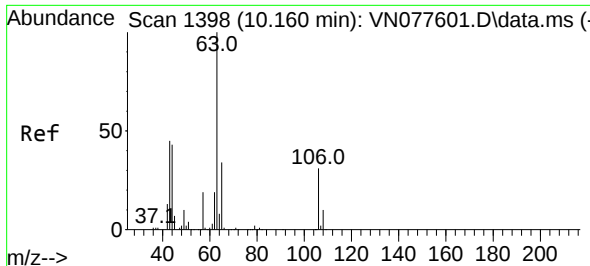


#54
1,2-Dibromoethane
Concen: 19.627 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



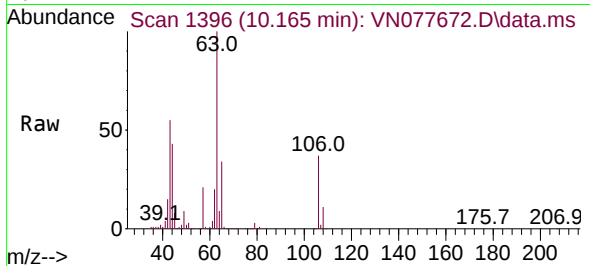
Tgt Ion:107 Resp: 136566
Ion Ratio Lower Upper
107 100
109 95.0 77.4 116.2





#55
2-Chloroethyl vinyl ether
Concen: 104.912 ug/l
RT: 10.165 min Scan# 1398
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

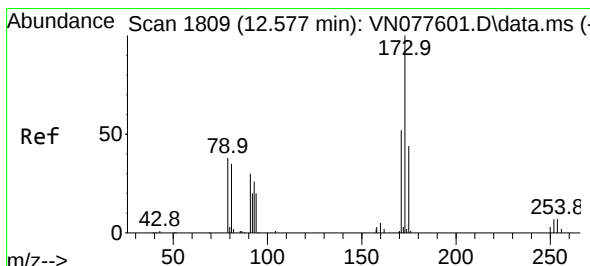
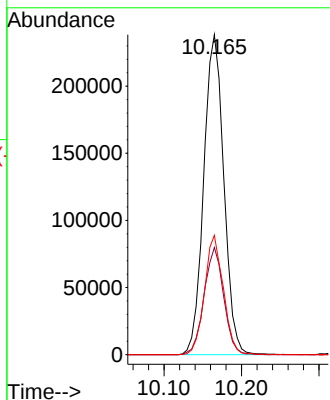
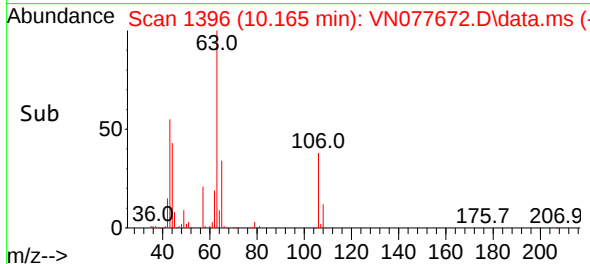
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 42898
Ion Ratio Lower Upper
63 100
65 32.7 26.8 40.2
106 34.8 25.6 38.4

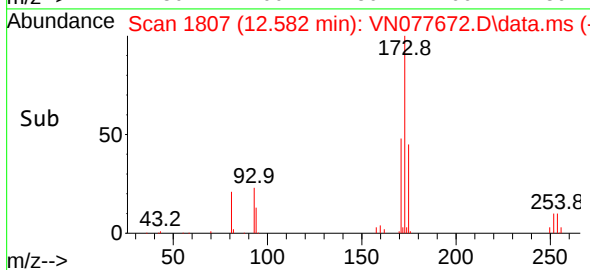
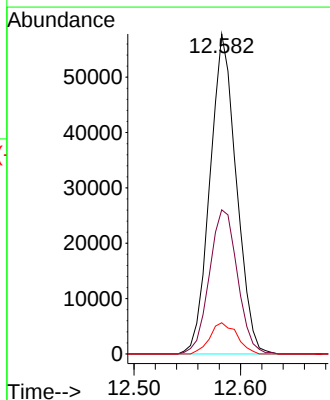
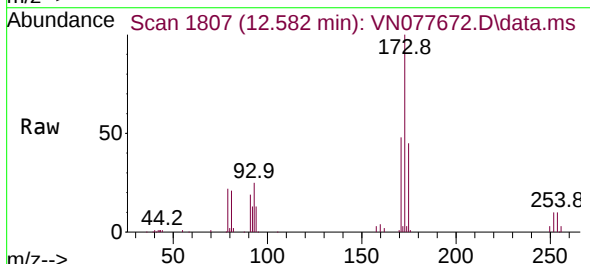
Manual Integrations
APPROVED

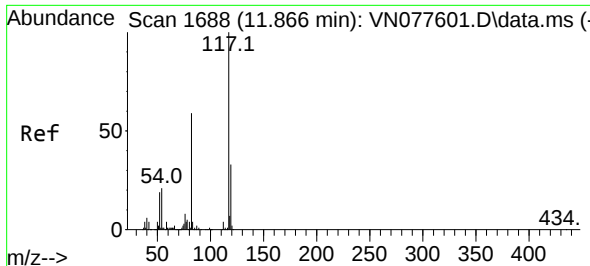
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#56
Bromoform
Concen: 23.202 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

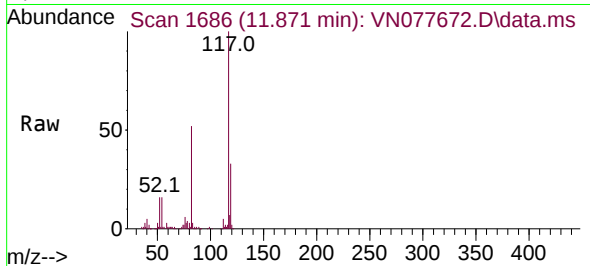
Tgt Ion:173 Resp: 99495
Ion Ratio Lower Upper
173 100
175 47.9 39.4 59.2
254 10.0 5.8 8.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

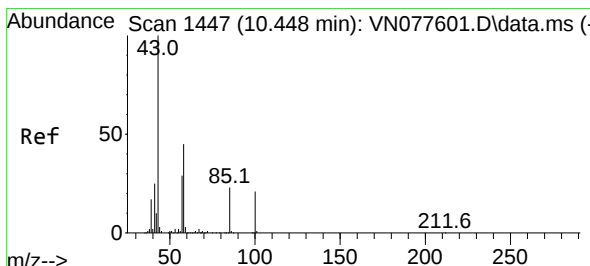
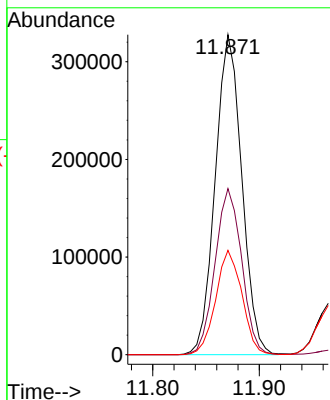
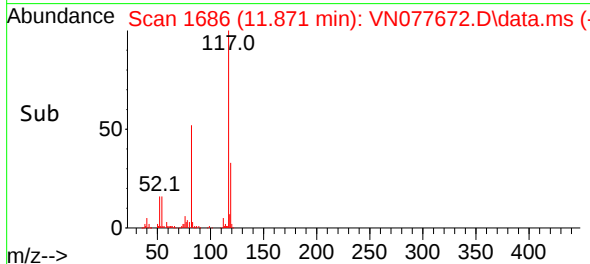
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 568297
Ion Ratio Lower Upper
117 100
82 52.0 47.4 71.2
119 32.2 26.6 39.8

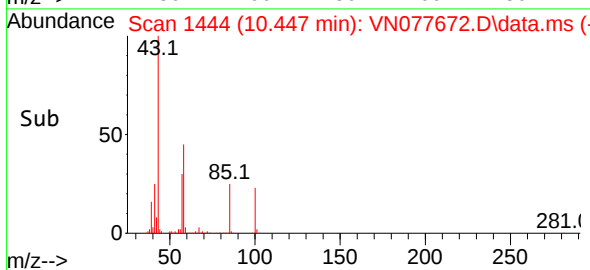
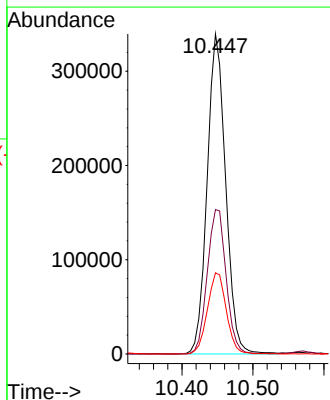
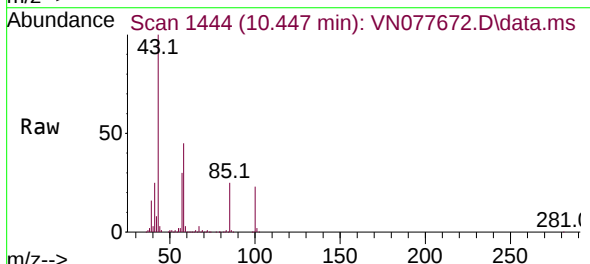
Manual Integrations
APPROVED

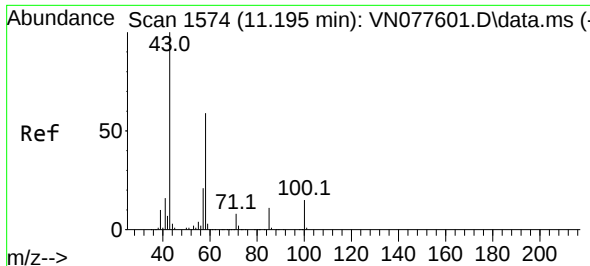
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#58
4-Methyl-2-Pentanone
Concen: 117.374 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

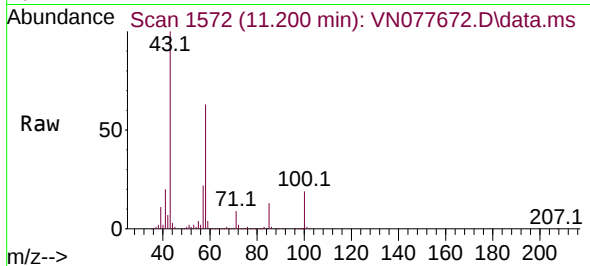
Tgt Ion: 43 Resp: 614269
Ion Ratio Lower Upper
43 100
58 46.2 35.4 53.2
85 25.8 18.2 27.2





#59
2-Hexanone
Concen: 116.776 ug/l
RT: 11.200 min Scan# 1115
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

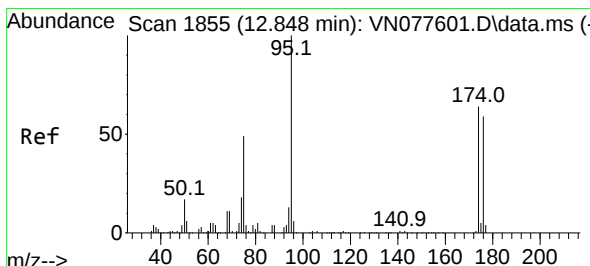
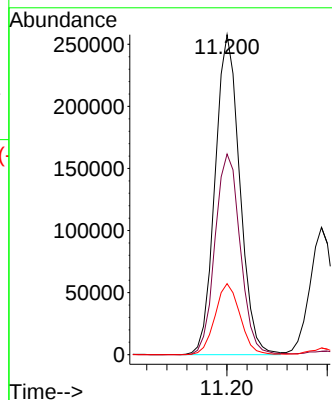
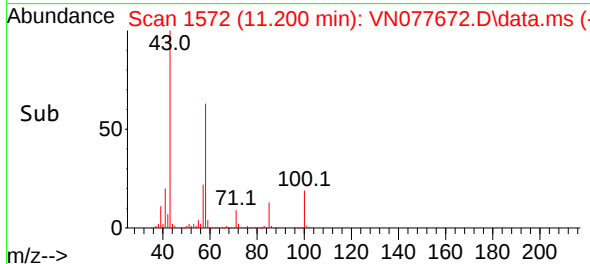
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



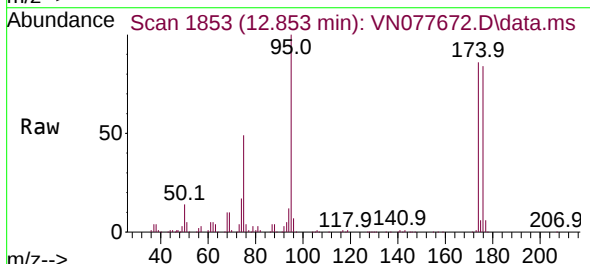
Tgt Ion: 43 Resp: 441156
Ion Ratio Lower Upper
43 100
58 64.1 48.2 72.2
57 22.5 17.3 25.9

Manual Integrations
APPROVED

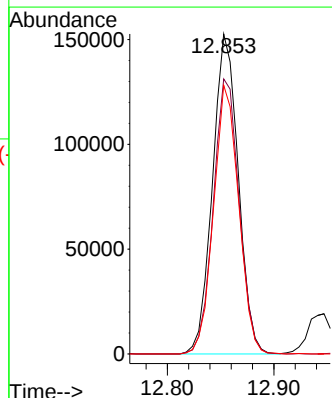
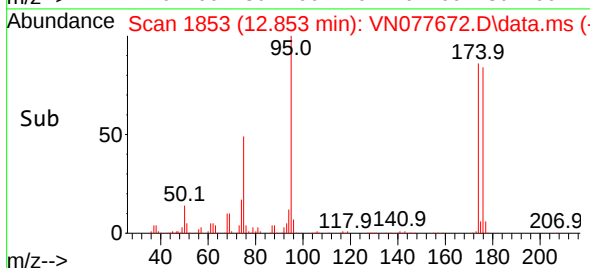
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

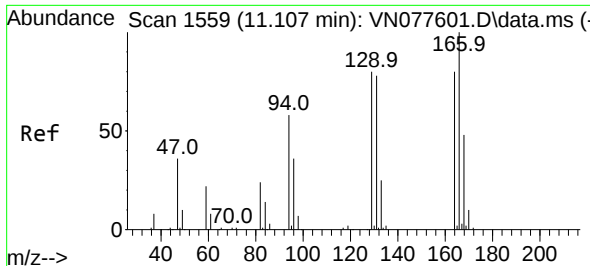


#60
4-Bromofluorobenzene
Concen: 28.292 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



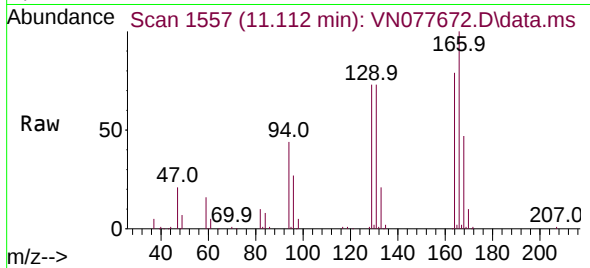
Tgt Ion: 95 Resp: 255656
Ion Ratio Lower Upper
95 100
174 86.3 53.4 80.0#
176 82.1 50.0 75.0#





#61
Tetrachloroethene
Concen: 21.864 ug/l
RT: 11.112 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

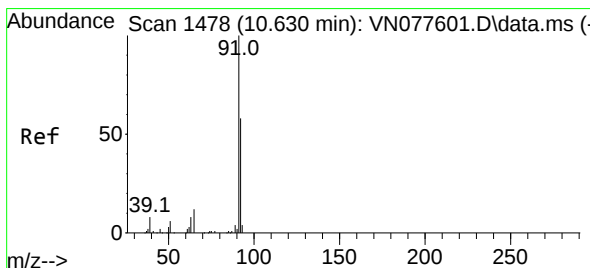
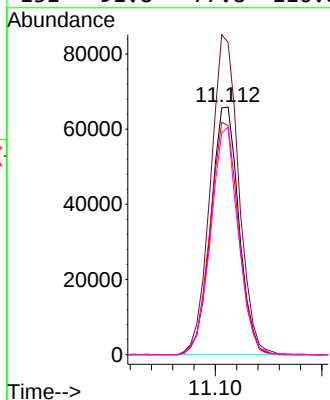
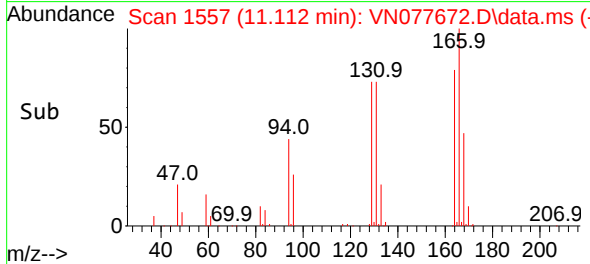
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:164 Resp: 120184
Ion Ratio Lower Upper
164 100
166 126.1 100.5 150.7
129 92.5 80.6 120.8
131 91.8 77.8 116.8

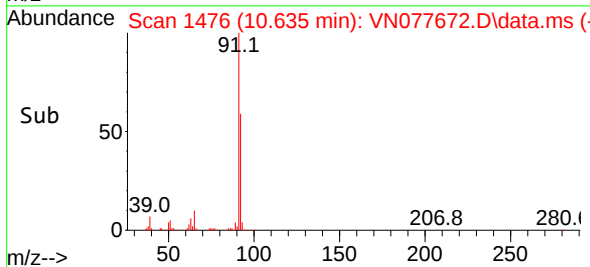
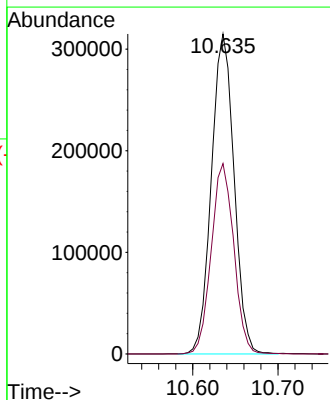
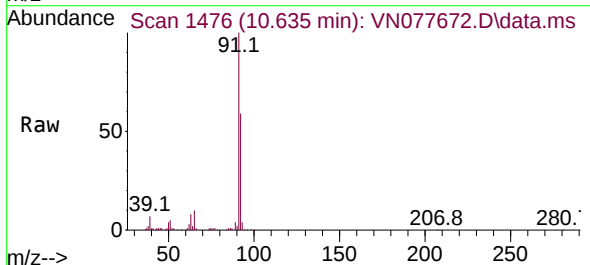
Manual Integrations
APPROVED

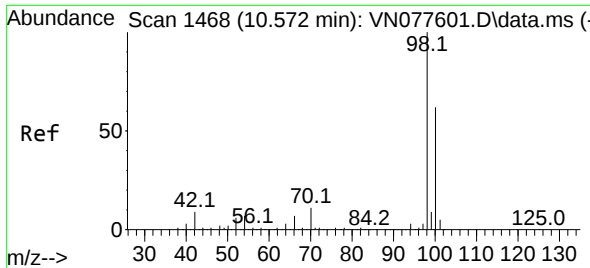
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#62
Toluene
Concen: 18.541 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

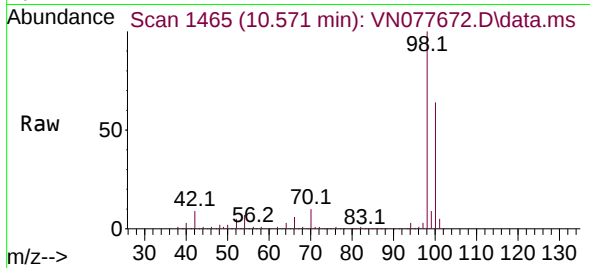
Tgt Ion: 91 Resp: 583368
Ion Ratio Lower Upper
91 100
92 59.1 47.0 70.6





#63
Toluene-d8
Concen: 29.126 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

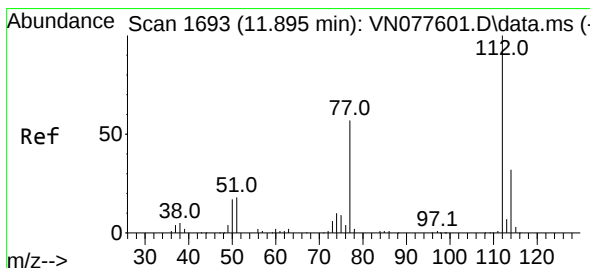
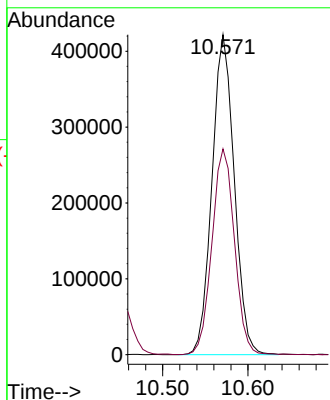
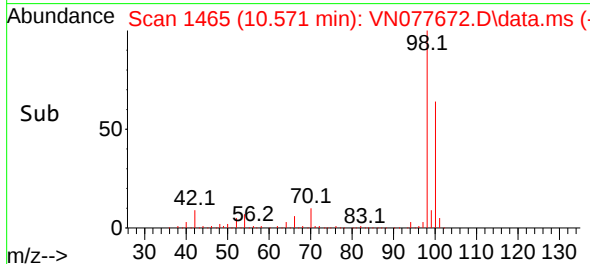
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



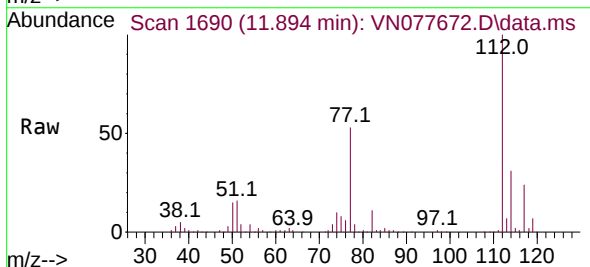
Tgt Ion: 98 Resp: 764499
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1

Manual Integrations
APPROVED

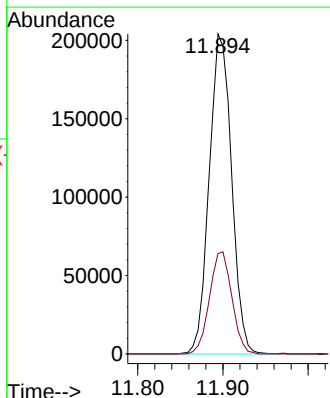
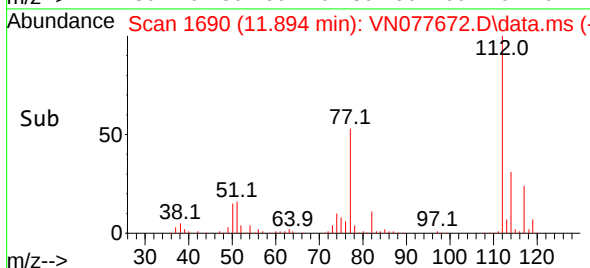
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

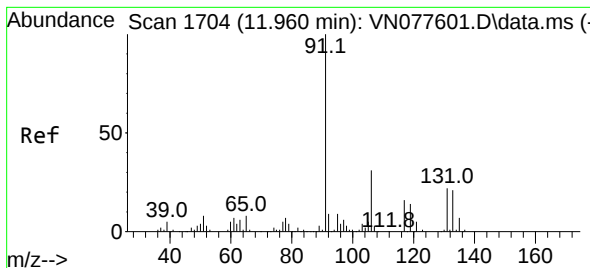


#64
Chlorobenzene
Concen: 19.252 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



Tgt Ion:112 Resp: 372528
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8





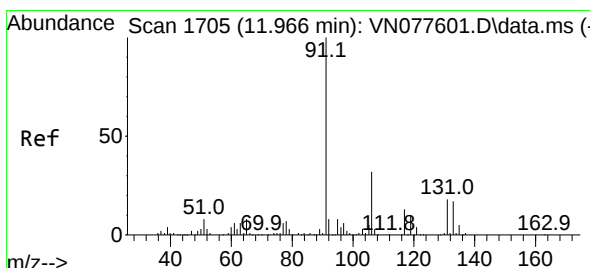
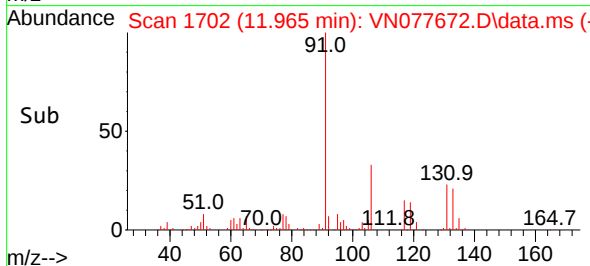
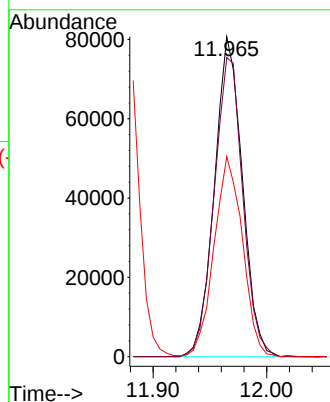
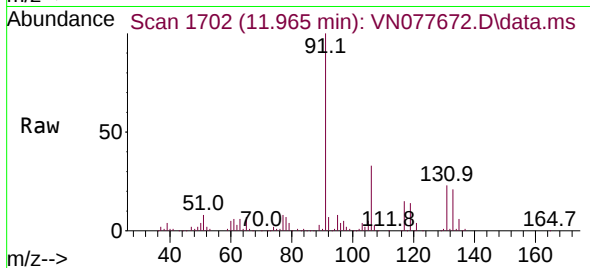
#65
1,1,1,2-Tetrachloroethane
Concen: 19.728 ug/l
RT: 11.965 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 13771
Ion Ratio Lower Upper
131 100
133 96.1 0.0 181.2
119 63.7 0.0 125.0

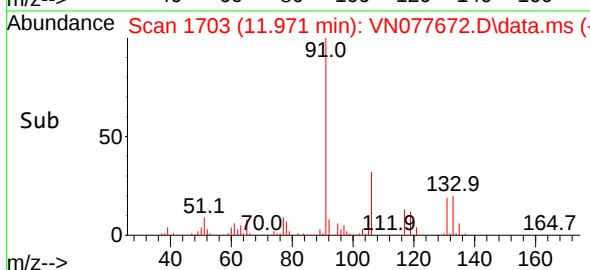
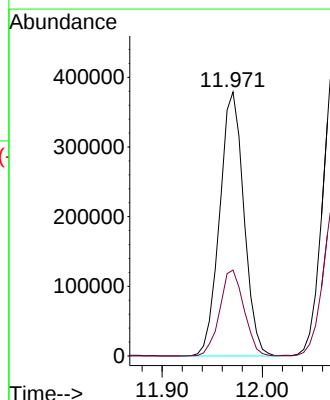
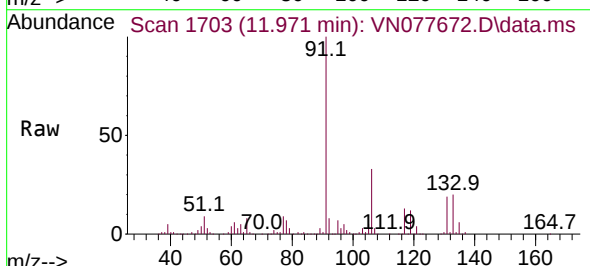
Manual Integrations
APPROVED

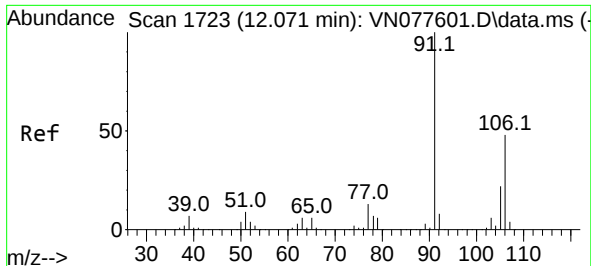
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#66
Ethyl Benzene
Concen: 18.170 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 91 Resp: 633451
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5





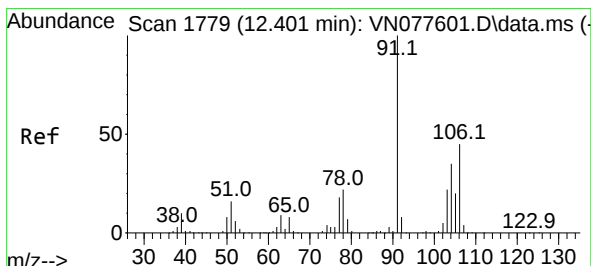
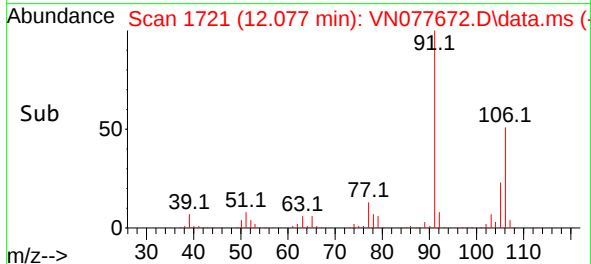
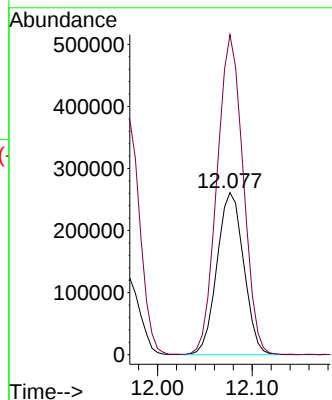
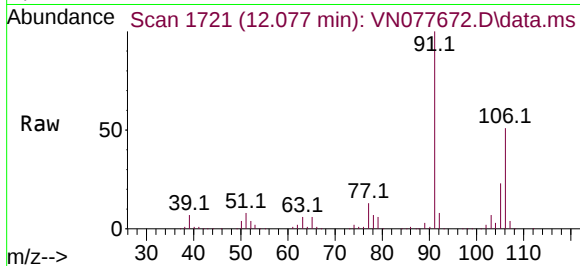
#67
m/p-Xylenes
Concen: 37.359 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 512420
Ion Ratio Lower Upper
106 100
91 193.2 162.6 244.0

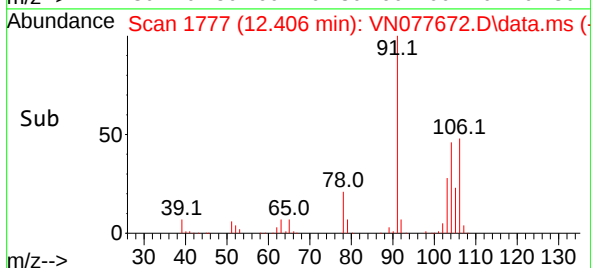
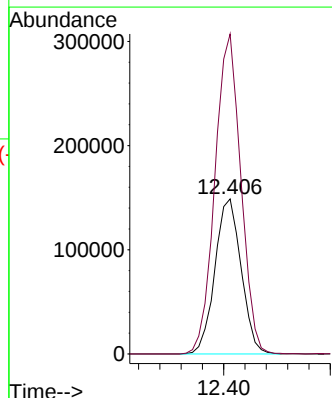
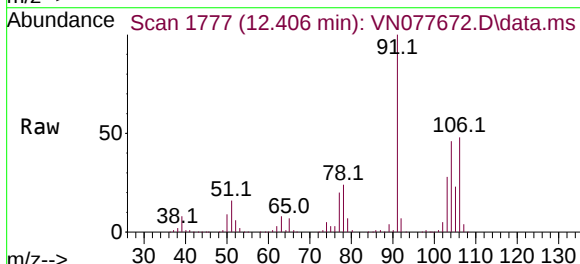
Manual Integrations
APPROVED

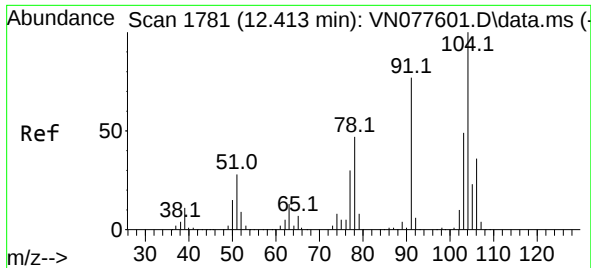
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#68
o-Xylene
Concen: 18.795 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion:106 Resp: 254050
Ion Ratio Lower Upper
106 100
91 204.0 109.5 328.4





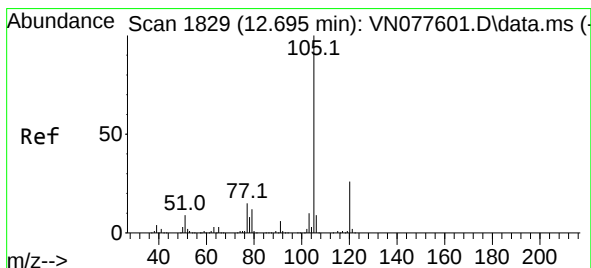
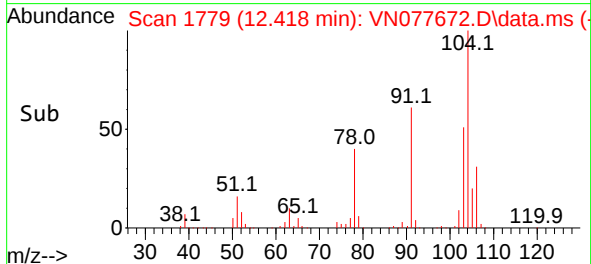
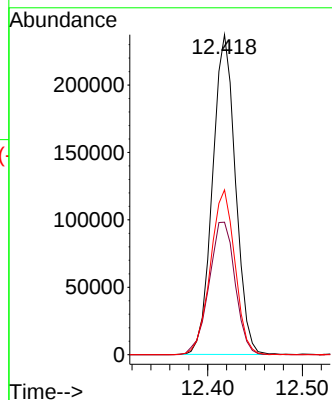
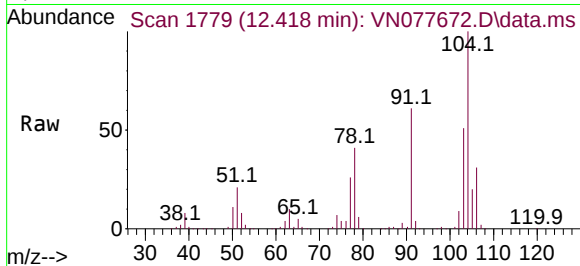
#69
Styrene
Concen: 18.457 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 398920
Ion Ratio Lower Upper
104 100
78 47.1 41.3 61.9
103 55.1 44.0 66.0

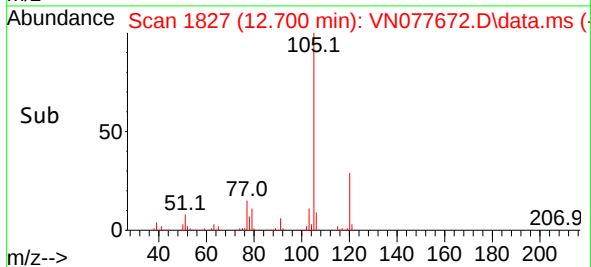
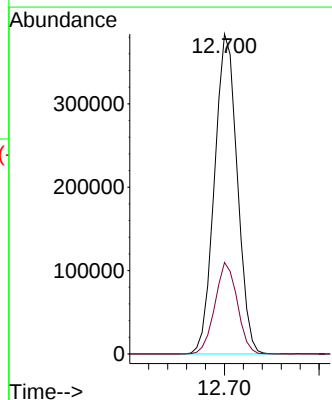
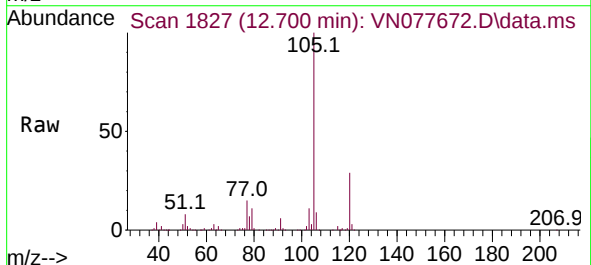
Manual Integrations
APPROVED

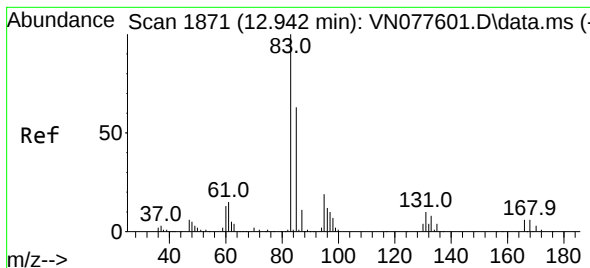
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#70
Isopropylbenzene
Concen: 18.252 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion:105 Resp: 640817
Ion Ratio Lower Upper
105 100
120 28.0 18.5 34.3





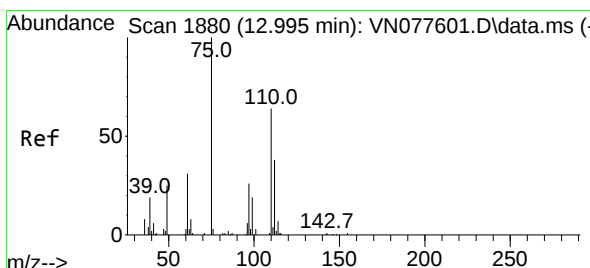
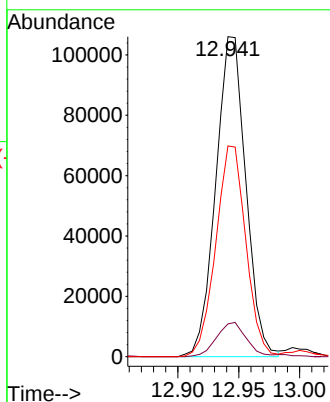
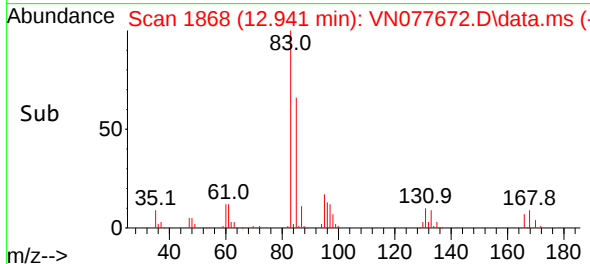
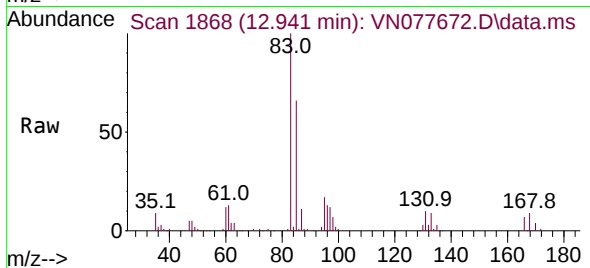
#71
1,1,2,2-Tetrachloroethane
Concen: 19.407 ug/l
RT: 12.941 min Scan# 1871
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 18271
Ion Ratio Lower Upper
83 100
131 10.6 4.8 14.3
85 65.7 33.4 100.2

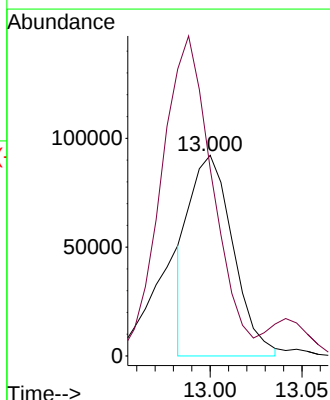
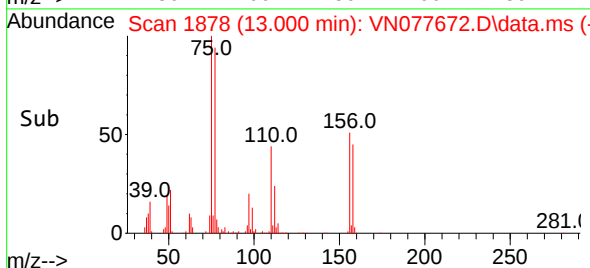
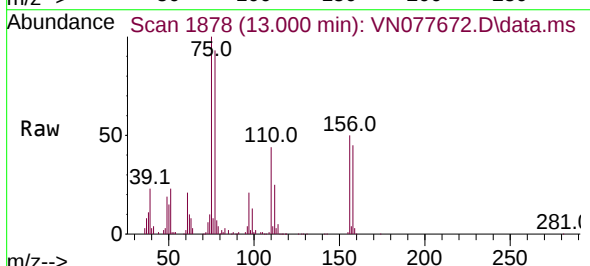
Manual Integrations
APPROVED

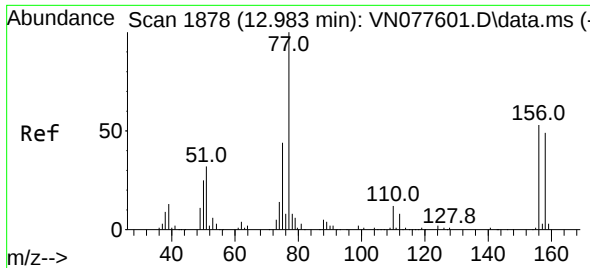
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#72
1,2,3-Trichloropropane
Concen: 19.446 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

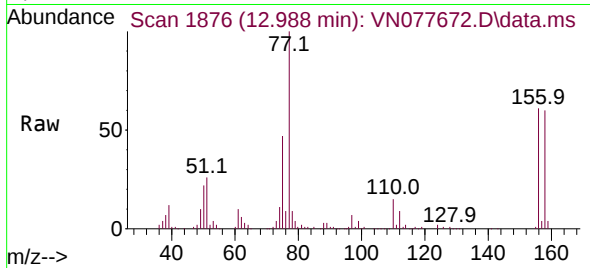
Tgt Ion: 75 Resp: 152341
Ion Ratio Lower Upper
75 100
77 188.0 0.0 354.6





#73
Bromobenzene
Concen: 21.766 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

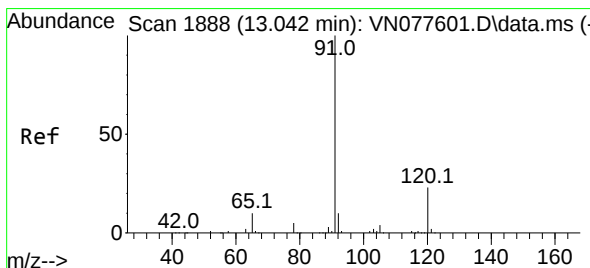
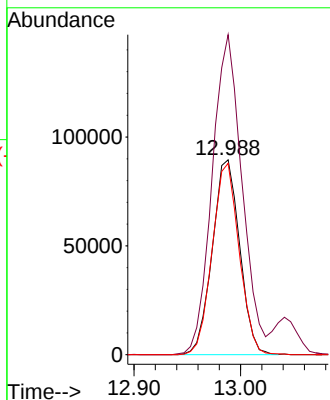
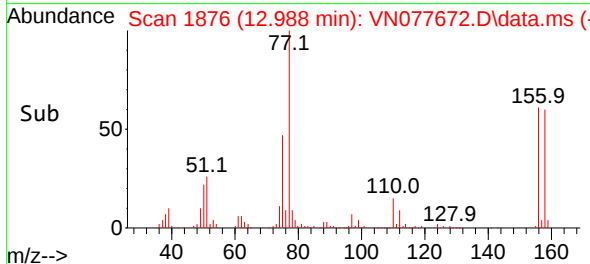
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:156 Resp: 15979
Ion Ratio Lower Upper
156 100
77 179.2 0.0 466.4
158 96.8 0.0 196.2

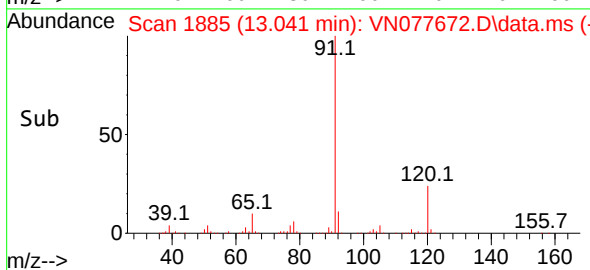
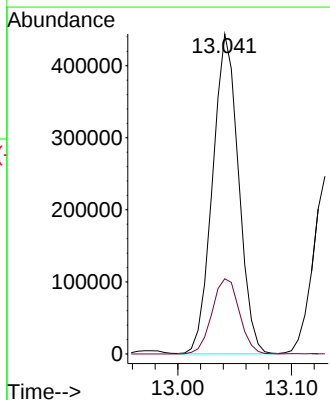
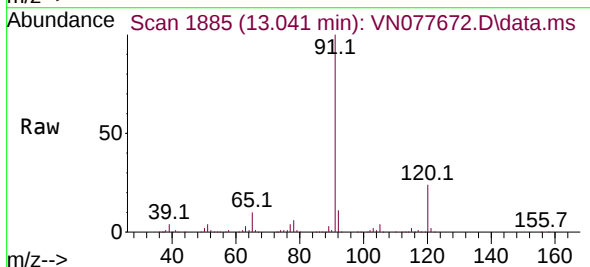
Manual Integrations
APPROVED

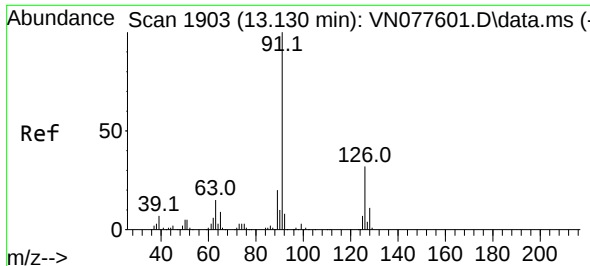
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#74
n-propylbenzene
Concen: 17.975 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 91 Resp: 705646
Ion Ratio Lower Upper
91 100
120 24.7 0.0 45.6





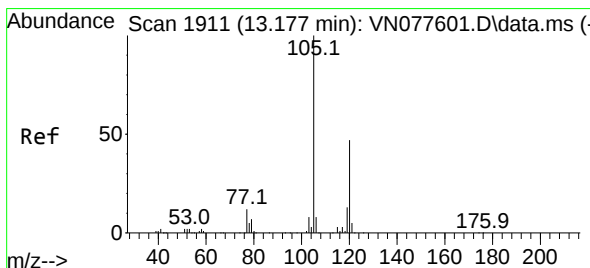
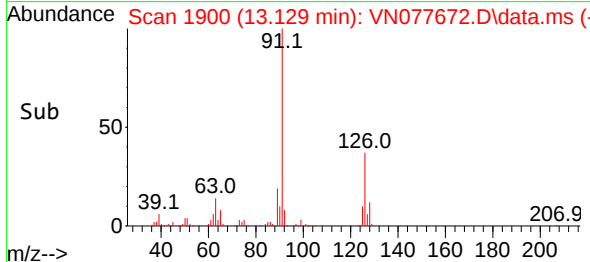
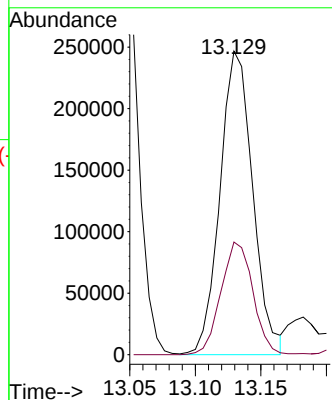
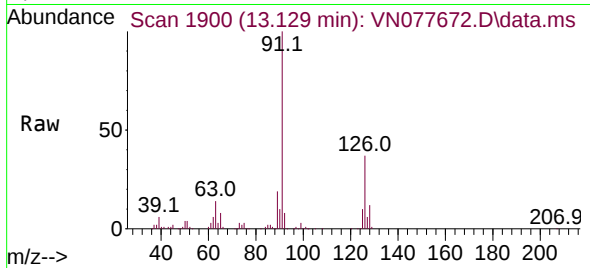
#75
2-Chlorotoluene
Concen: 18.059 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 428750
Ion Ratio Lower Upper
91 100
126 36.2 0.0 65.0

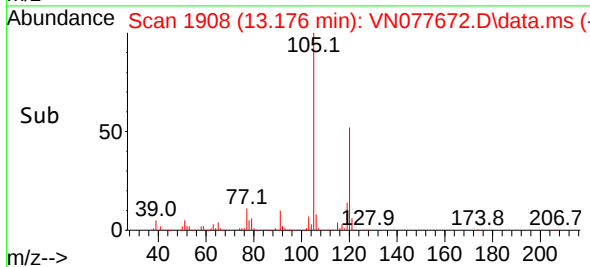
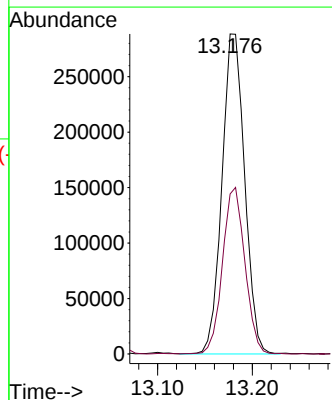
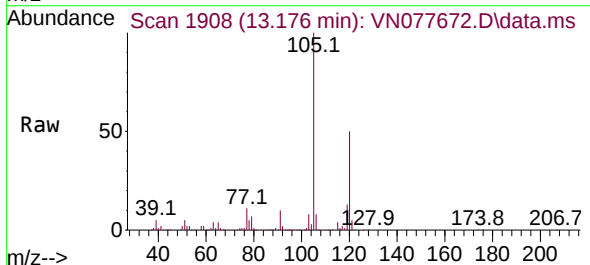
Manual Integrations
APPROVED

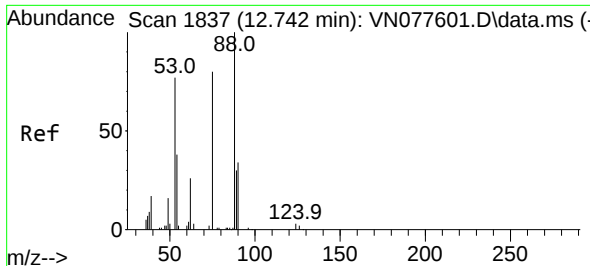
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#76
1,3,5-Trimethylbenzene
Concen: 17.350 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

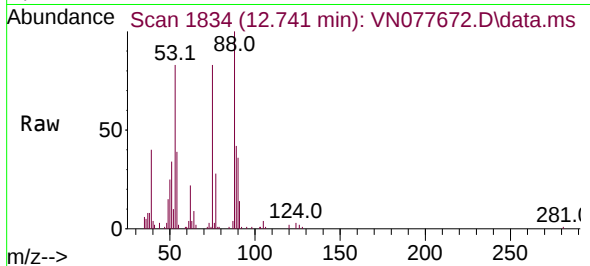
Tgt Ion:105 Resp: 481399
Ion Ratio Lower Upper
105 100
120 51.3 0.0 95.2





#77
t-1,4-Dichloro-2-butene
Concen: 16.298 ug/l
RT: 12.741 min Scan# 1837
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

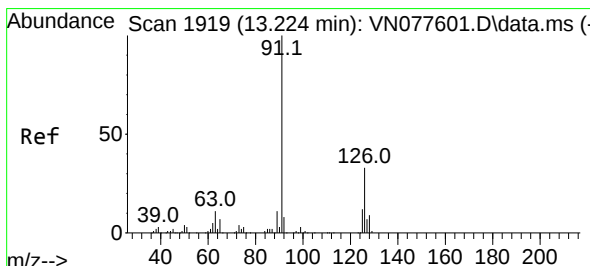
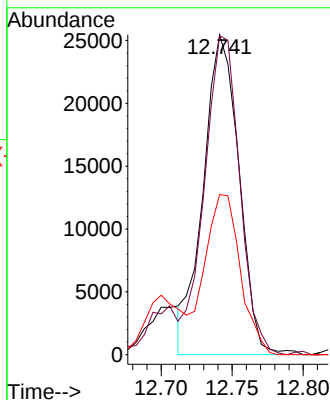
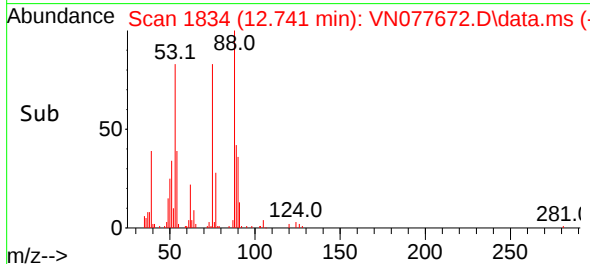
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 44480
Ion Ratio Lower Upper
75 100
53 100.2 46.9 140.7
89 50.6 21.0 63.0

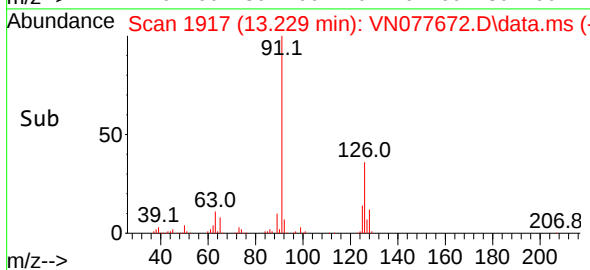
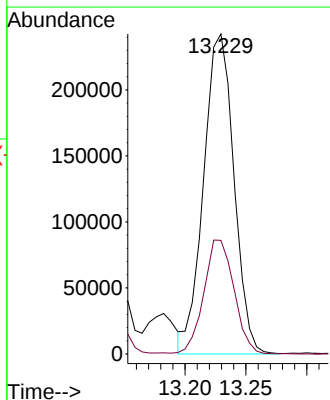
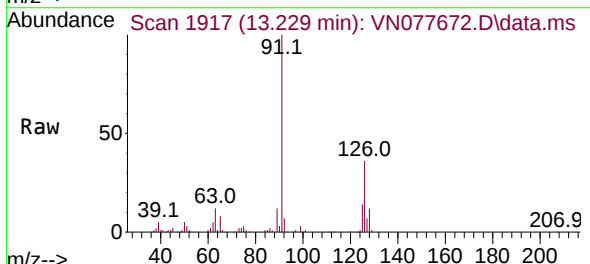
Manual Integrations
APPROVED

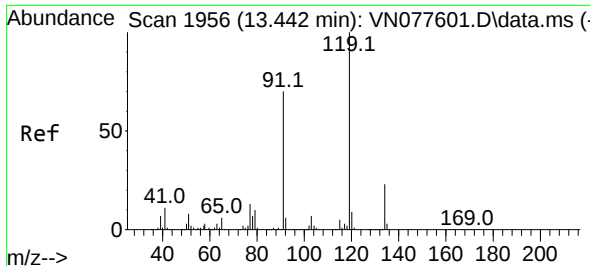
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#78
4-Chlorotoluene
Concen: 18.152 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 91 Resp: 420801
Ion Ratio Lower Upper
91 100
126 35.3 0.0 64.6





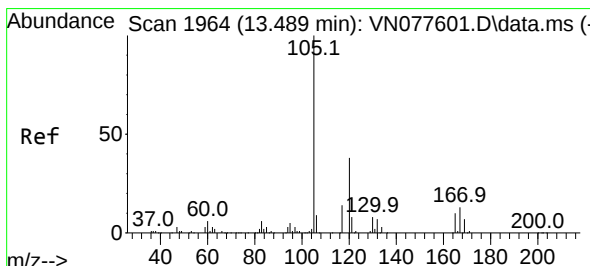
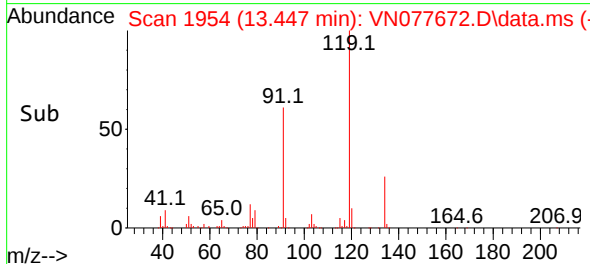
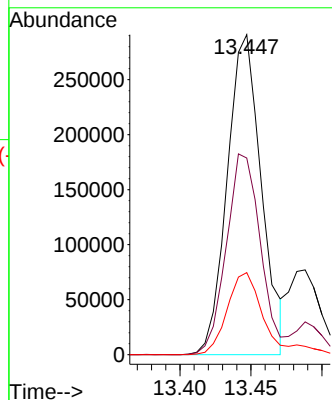
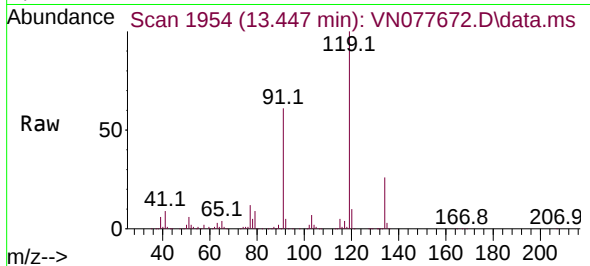
#79
tert-butylbenzene
Concen: 19.615 ug/l
RT: 13.447 min Scan# 1956
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 48743
Ion Ratio Lower Upper
119 100
91 62.4 0.0 141.6
134 25.9 0.0 46.6

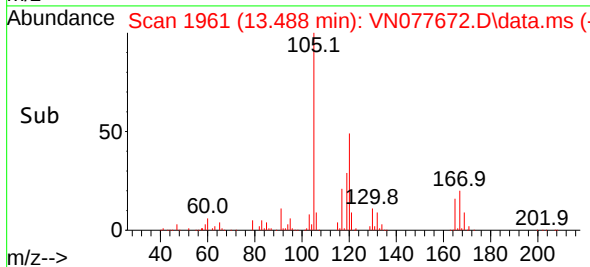
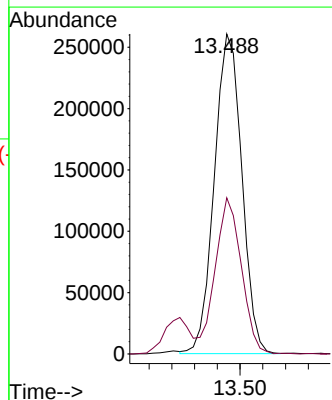
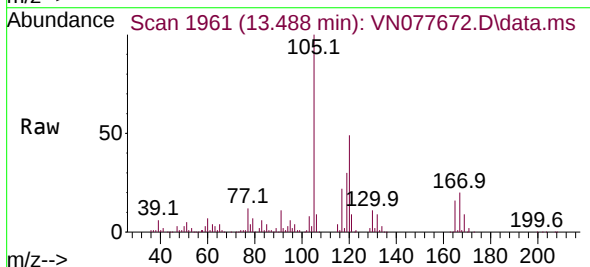
Manual Integrations
APPROVED

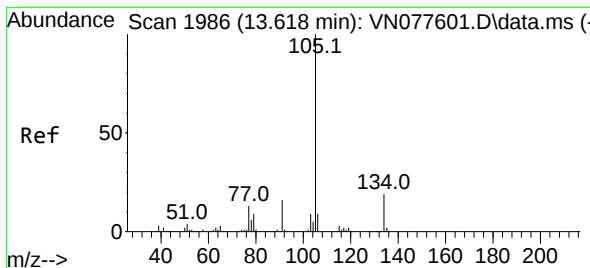
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#80
1,2,4-Trimethylbenzene
Concen: 16.275 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.001 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion:105 Resp: 438259
Ion Ratio Lower Upper
105 100
120 46.7 0.0 88.0





#81

sec-Butylbenzene

Concen: 18.836 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.005 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:105 Resp: 656984

Ion Ratio Lower Upper

105 100

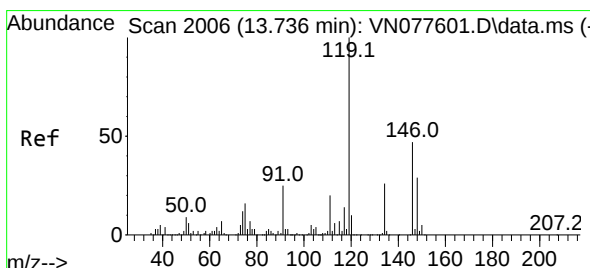
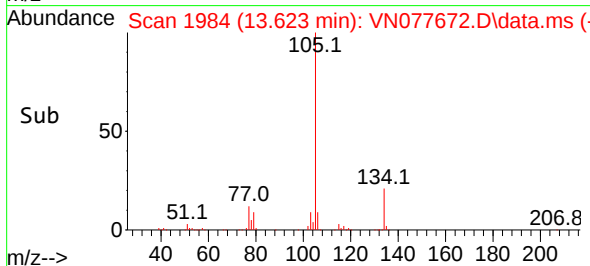
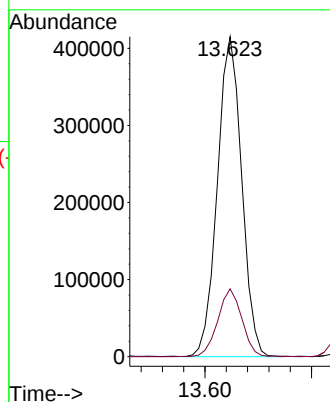
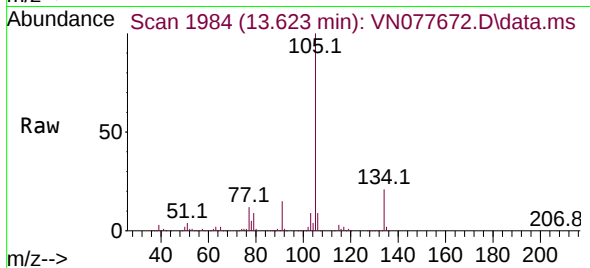
134 20.9 0.0 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#82

p-Isopropyltoluene

Concen: 18.712 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.001 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

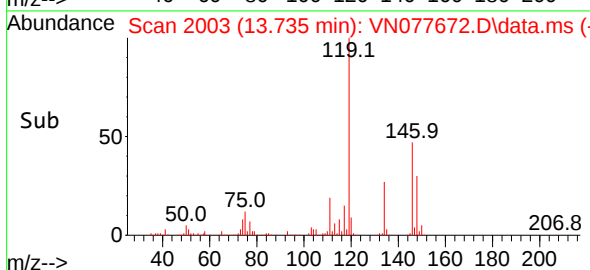
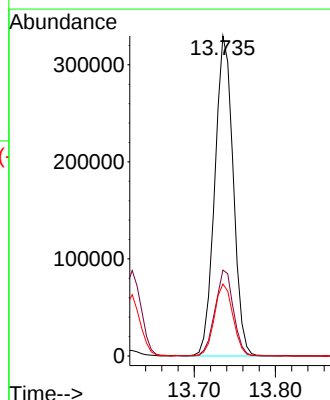
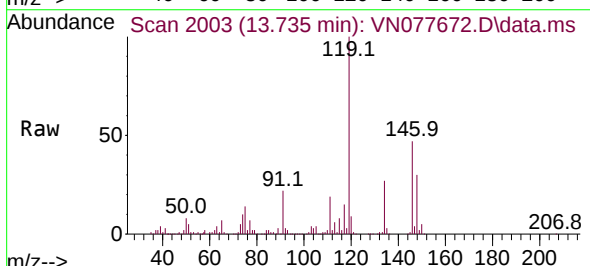
Tgt Ion:119 Resp: 519299

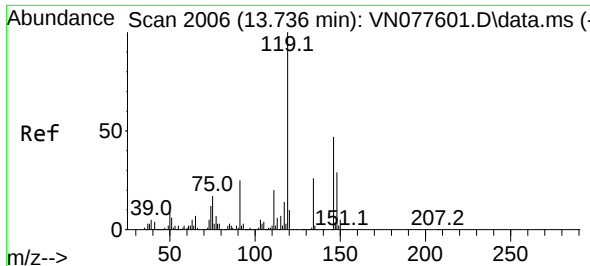
Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.2

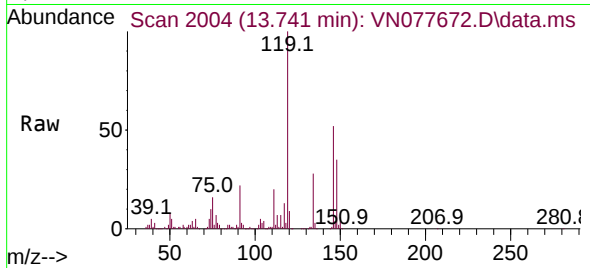
91 22.7 0.0 51.2





#83
1,3-Dichlorobenzene
Concen: 20.109 ug/l
RT: 13.741 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

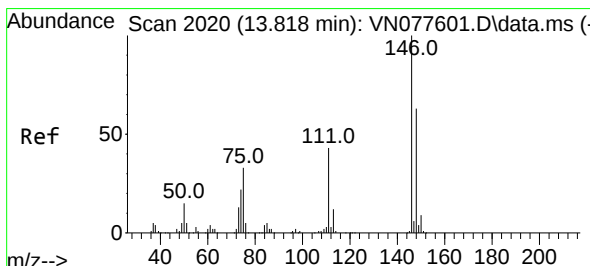
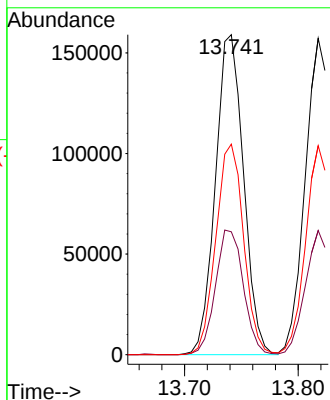
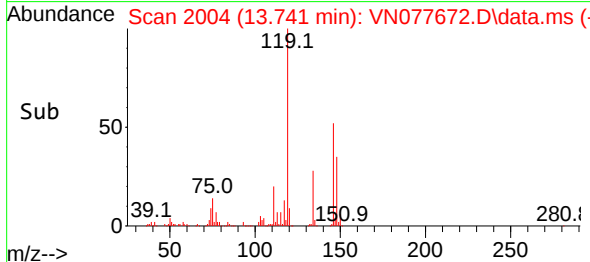
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



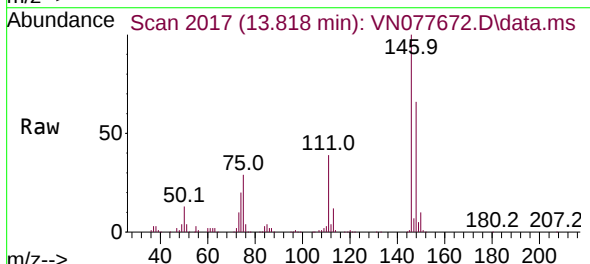
Tgt Ion:146 Resp: 274134
Ion Ratio Lower Upper
146 100
111 38.7 22.1 66.1
148 65.1 32.5 97.4

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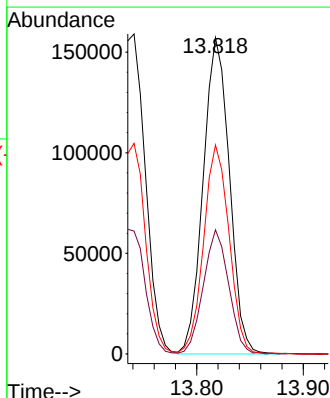
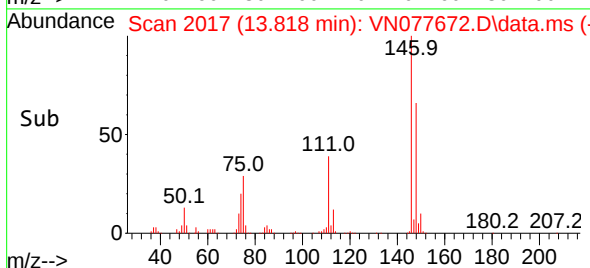
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

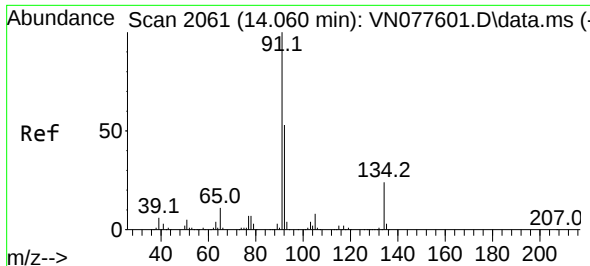


#84
1,4-Dichlorobenzene
Concen: 20.133 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56



Tgt Ion:146 Resp: 268692
Ion Ratio Lower Upper
146 100
111 38.0 20.8 62.4
148 64.1 31.1 93.5





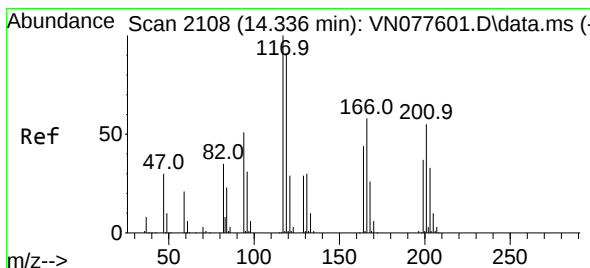
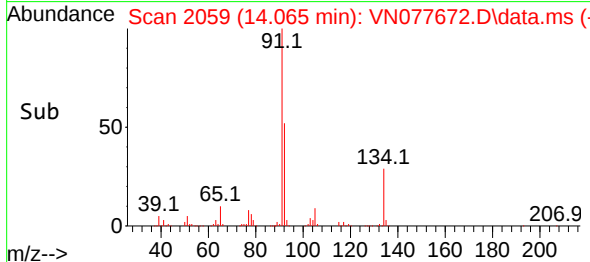
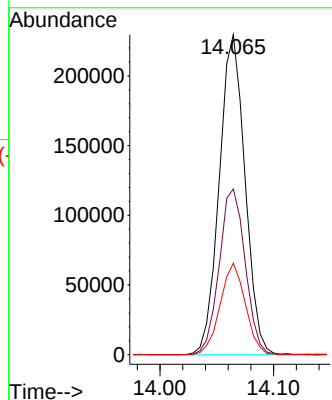
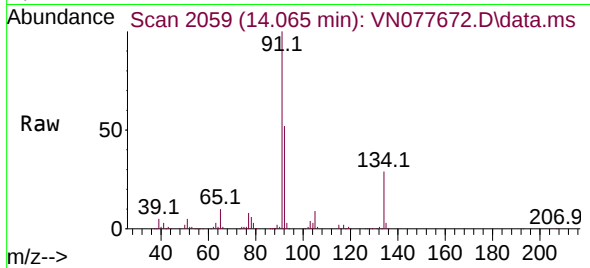
#85
n-Butylbenzene
Concen: 15.822 ug/l
RT: 14.065 min Scan# 2061
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 361240
Ion Ratio Lower Upper
91 100
92 52.4 0.0 107.0
134 28.1 0.0 50.2

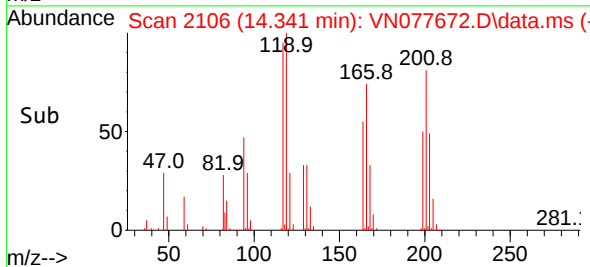
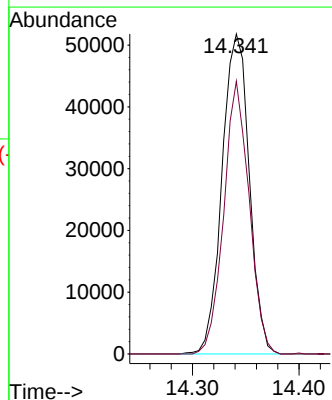
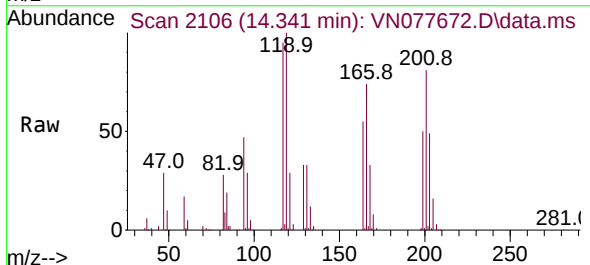
Manual Integrations
APPROVED

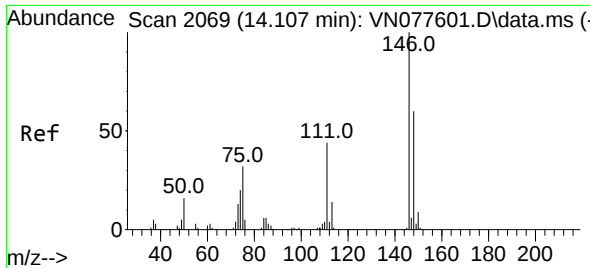
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#86
Hexachloroethane
Concen: 17.764 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion:117 Resp: 91876
Ion Ratio Lower Upper
117 100
201 79.4 28.1 84.4





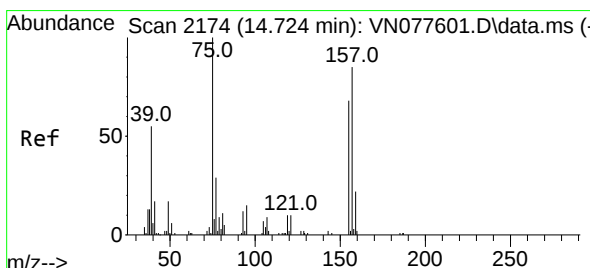
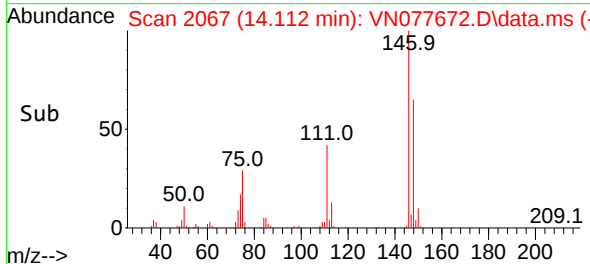
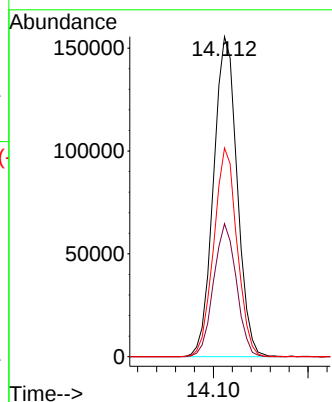
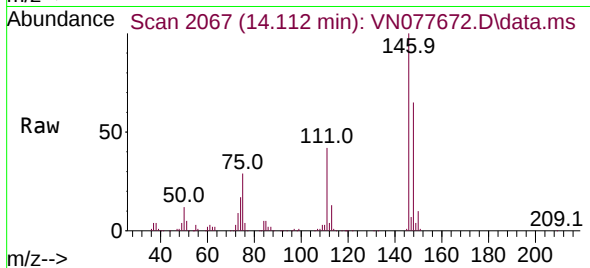
#87
1,2-Dichlorobenzene
Concen: 20.375 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 26962
Ion Ratio Lower Upper
146 100
111 40.1 22.7 68.0
148 64.2 31.0 93.0

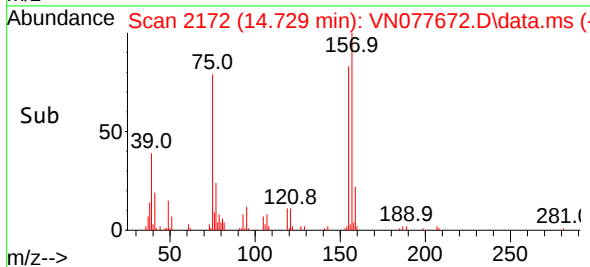
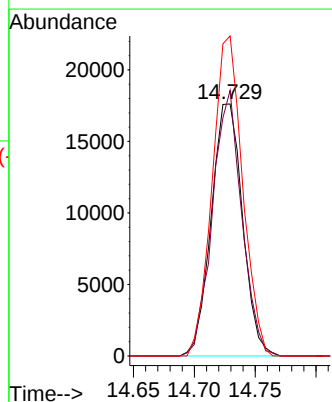
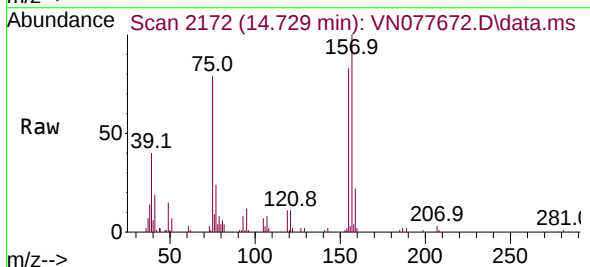
Manual Integrations
APPROVED

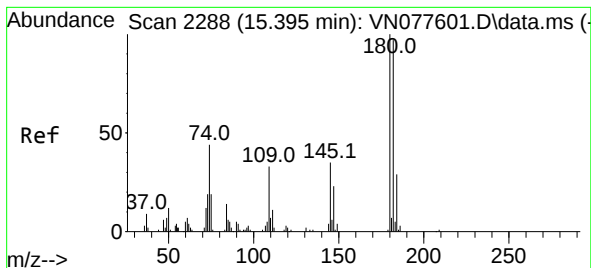
Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.398 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion: 75 Resp: 31479
Ion Ratio Lower Upper
75 100
155 98.3 63.1 94.7#
157 123.0 75.5 113.3#





#89

1,2,4-Trichlorobenzene

Concen: 14.696 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

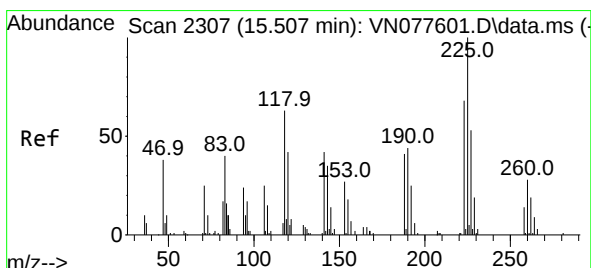
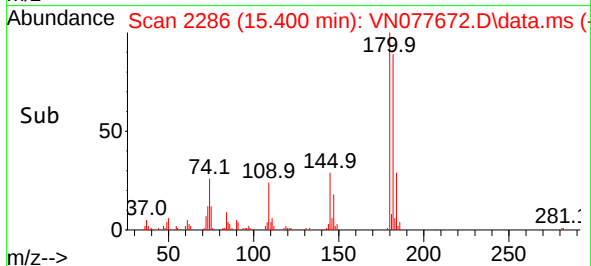
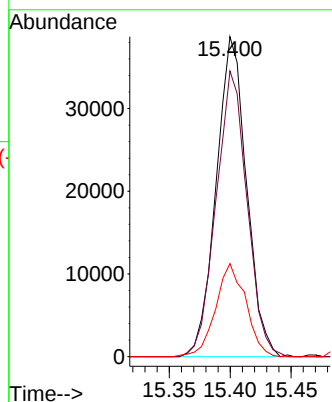
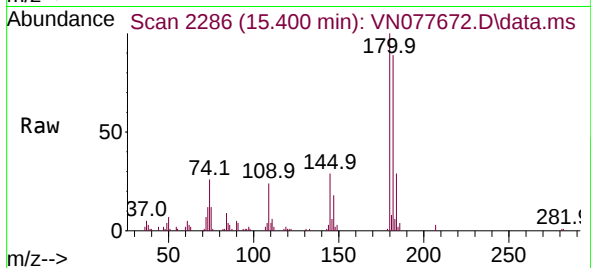
Tgt Ion:180	Resp:	6700
Ion Ratio	Lower	Upper
180	100	
182	90.9	75.1 112.7
145	29.0	28.6 43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#90

Hexachlorobutadiene

Concen: 27.573 ug/l

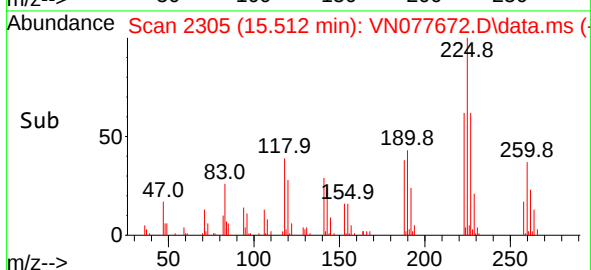
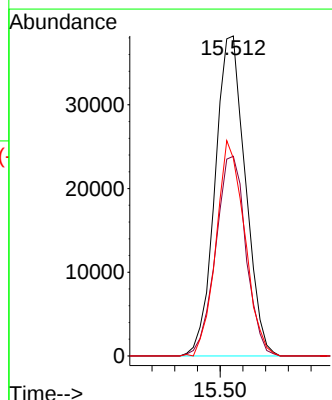
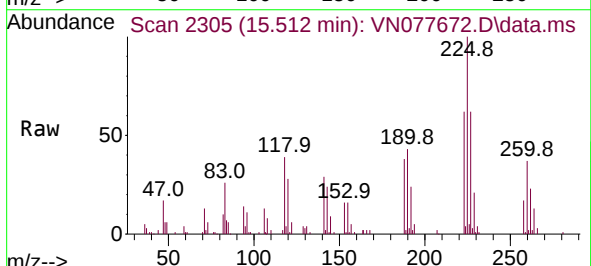
RT: 15.512 min Scan# 2305

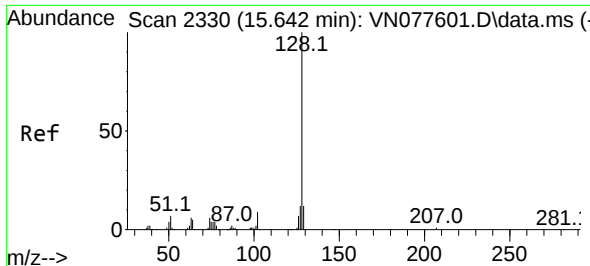
Delta R.T. 0.005 min

Lab File: VN077672.D

Acq: 12 May 2023 14:56

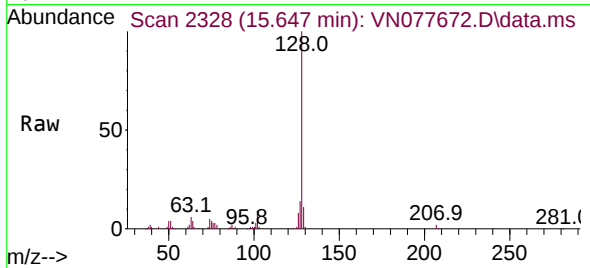
Tgt Ion:225	Resp:	70886
Ion Ratio	Lower	Upper
225	100	
223	62.3	0.0 132.2
227	63.3	0.0 116.2





#91
Naphthalene
Concen: 11.925 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

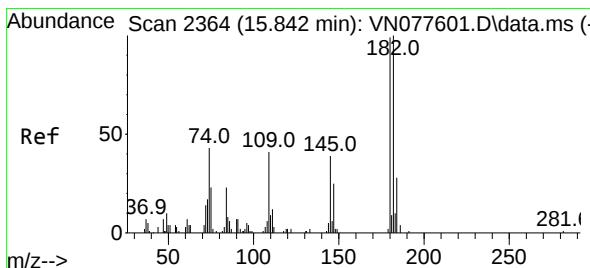
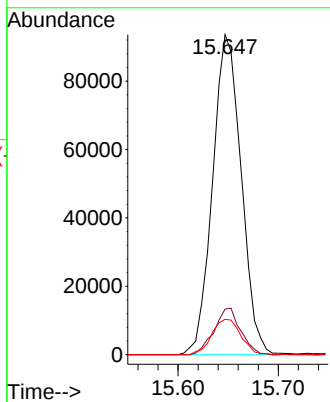
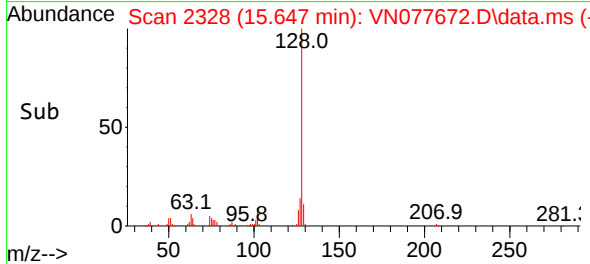
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 185725
Ion Ratio Lower Upper
128 100
127 13.4 9.6 14.4
129 11.2 9.1 13.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#92
1,2,3-Trichlorobenzene
Concen: 14.570 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.011 min
Lab File: VN077672.D
Acq: 12 May 2023 14:56

Tgt Ion:180 Resp: 61175
Ion Ratio Lower Upper
180 100
182 92.6 0.0 193.4
145 31.2 0.0 78.6

