

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
 Data File : VN079172.D
 Acq On : 07 Sep 2023 10:20
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Sep 08 04:49:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 04:47:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	35841	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	170022	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	176057	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	77089	28.586	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	95.300%	
60) 4-Bromofluorobenzene	12.853	95	81317	31.347	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	104.500%	
63) Toluene-d8	10.570	98	242658	29.493	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	92859	46.388	ug/l	96
3) Chloromethane	2.365	50	94773	47.215	ug/l	93
4) Vinyl Chloride	2.512	62	96864	48.776	ug/l	98
5) Bromomethane	2.942	94	55552	45.516	ug/l	99
6) Chloroethane	3.112	64	54825	45.078	ug/l #	85
7) Trichlorofluoromethane	3.489	101	116507	49.279	ug/l	97
8) Diethyl Ether	3.959	74	43807	50.531	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	64822	53.884	ug/l	98
10) 1,1-Dichloroethene	4.341	96	64011	50.700	ug/l	97
11) Methyl Iodide	4.588	142	88038	55.360	ug/l	96
12) Methyl Acetate	5.030	43	147791	57.180	ug/l	99
13) Acrolein	4.183	56	63593	237.299	ug/l	99
14) Acrylonitrile	5.724	53	218181	281.613	ug/l	98
15) Acetone	4.430	58	62618	278.097	ug/l	87
16) Carbon Disulfide	4.712	76	183763	49.260	ug/l	98
17) Allyl chloride	5.024	41	111726	65.990	ug/l	96
18) Methylene Chloride	5.277	84	82933	48.978	ug/l	99
19) trans-1,2-Dichloroethene	5.788	96	79836	50.542	ug/l	96
20) Diisopropyl ether	6.677	45	349972	57.769	ug/l	96
21) 1,1-Dichloroethane	6.571	63	197753	55.724	ug/l	99
22) cis-1,2-Dichloroethene	7.488	96	124125	50.244	ug/l	99
23) tert-Butyl Alcohol	5.535	59	79401	239.133	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	259437	52.067	ug/l	99
25) Chloroform	7.971	83	199345	46.595	ug/l	95
26) Cyclohexane	8.265	56	156013	48.491	ug/l #	99
29) 1,1-Dichloropropene	8.376	75	148550	54.495	ug/l	100
30) 2-Butanone	7.488	43	405236	295.552	ug/l	99
31) 2,2-Dichloropropane	7.494	77	161296	59.320	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	170649	53.136	ug/l	99
33) Carbon Tetrachloride	8.365	117	149357	73.811	ug/l	96
34) Benzene	8.612	78	460078	53.121	ug/l	100
35) Methacrylonitrile	7.782	41	82874	56.136	ug/l	95
36) 1,2-Dichloroethane	8.676	62	148254	51.903	ug/l	100
37) Trichloroethene	9.359	130	109972	53.720	ug/l	98
38) Methylcyclohexane	9.606	83	152152	55.831	ug/l	98
39) 1,2-Dichloropropane	9.623	63	119563	53.518	ug/l	93
40) Dibromomethane	9.712	93	76428	51.876	ug/l	97
41) Bromodichloromethane	9.894	83	158006	53.800	ug/l	97
42) Vinyl Acetate	6.612	43	1077640	330.947	ug/l	99

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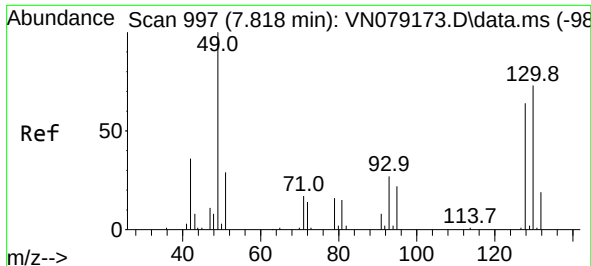
Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
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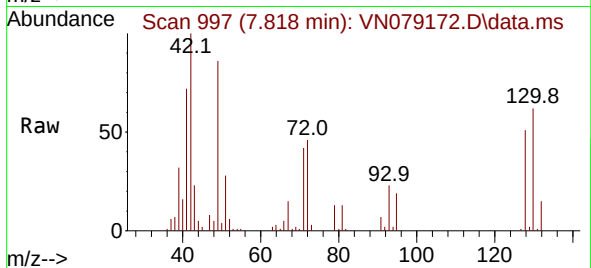
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	147831	56.771	ug/l	97
44) Isopropyl Acetate	8.694	43	248514	53.052	ug/l	99
45) 1,4-Dioxane	9.700	88	50358	1080.004	ug/l	94
46) Methyl methacrylate	9.688	41	116546	55.689	ug/l	96
47) n-amyl Acetate	12.500	43	200891	60.980	ug/l	100
48) t-1,3-Dichloropropene	10.841	75	175028	55.085	ug/l	94
49) cis-1,3-Dichloropropene	10.318	75	188538	56.887	ug/l	100
50) 1,1,2-Trichloroethane	11.023	97	102189	49.426	ug/l	99
51) Ethyl methacrylate	10.876	69	182140	57.061	ug/l	97
52) 1,3-Dichloropropane	11.170	76	175990	49.875	ug/l	99
53) Dibromochloromethane	11.365	129	118835	54.819	ug/l	100
54) 1,2-Dibromoethane	11.470	107	113357	54.062	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	327310	288.581	ug/l	99
56) Bromoform	12.582	173	85574	56.704	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	765419	236.917	ug/l	100
59) 2-Hexanone	11.200	43	521406	229.803	ug/l	100
61) Tetrachloroethene	11.112	164	86711	45.263	ug/l	93
62) Toluene	10.635	91	487619	47.568	ug/l	99
64) Chlorobenzene	11.894	112	288232	48.198	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.964	131	108856	47.546	ug/l	99
66) Ethyl Benzene	11.970	91	526428	51.004	ug/l	99
67) m/p-Xylenes	12.076	106	397065	102.241	ug/l	100
68) o-Xylene	12.406	106	193179	51.556	ug/l	99
69) Styrene	12.417	104	325754	54.530	ug/l	99
70) Isopropylbenzene	12.700	105	486648	51.118	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	167763	47.107	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	134758m	41.567	ug/l	
73) Bromobenzene	12.982	156	119447	50.228	ug/l	98
74) n-propylbenzene	13.041	91	569342	52.488	ug/l	100
75) 2-Chlorotoluene	13.129	91	351881	50.592	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	406096	51.589	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	55251	52.371	ug/l	96
78) 4-Chlorotoluene	13.229	91	345764	52.647	ug/l	98
79) tert-butylbenzene	13.441	119	341030	52.781	ug/l	100
80) 1,2,4-Trimethylbenzene	13.488	105	402934	53.600	ug/l	99
81) sec-Butylbenzene	13.623	105	460283	52.066	ug/l	99
82) p-Isopropyltoluene	13.735	119	362883	51.967	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	195749	51.831	ug/l	100
84) 1,4-Dichlorobenzene	13.817	146	182085	51.407	ug/l	100
85) n-Butylbenzene	14.058	91	294488	55.371	ug/l	99
86) Hexachloroethane	14.341	117	70361	50.891	ug/l	99
87) 1,2-Dichlorobenzene	14.111	146	187246	50.243	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	30038	49.900	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	94418	59.149	ug/l	99
90) Hexachlorobutadiene	15.505	225	47999	49.634	ug/l	97
91) Naphthalene	15.647	128	272640	65.417	ug/l	100
92) 1,2,3-Trichlorobenzene	15.847	180	94418	59.149	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

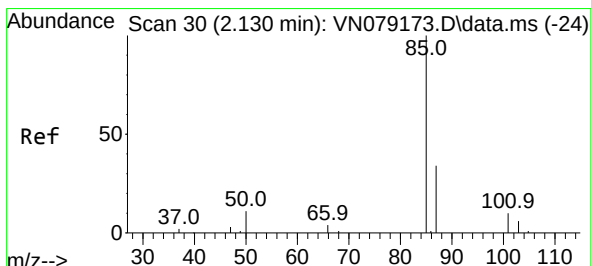
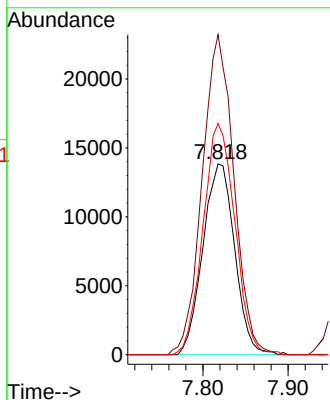
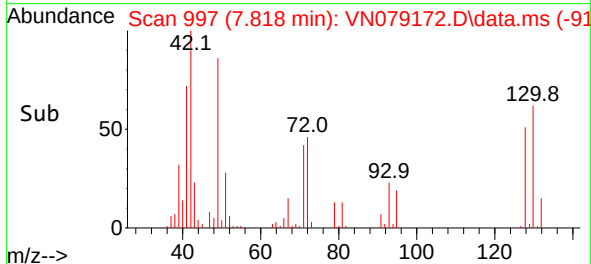
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



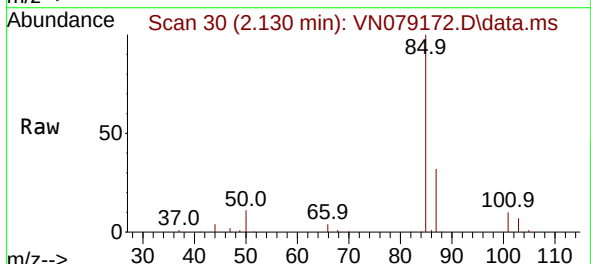
Tgt Ion:128 Resp: 3584
Ion Ratio Lower Upper
128 100
49 167.0 0.0 414.3
130 121.2 0.0 311.0

Manual Integrations
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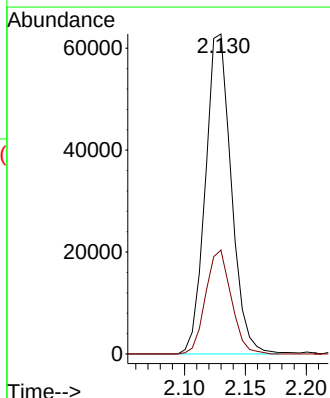
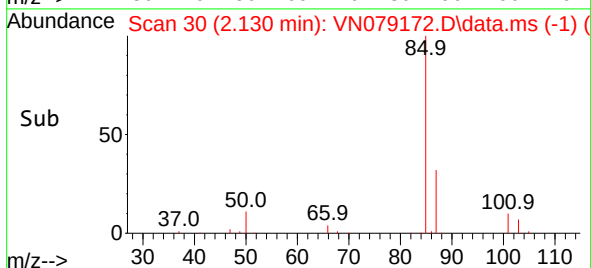
Reviewed By :John Carlone 09/08/2023
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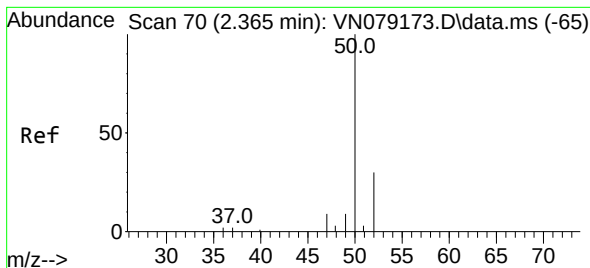


#2
Dichlorodifluoromethane
Concen: 46.388 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20



Tgt Ion: 85 Resp: 92859
Ion Ratio Lower Upper
85 100
87 32.4 17.3 51.7





#3

Chloromethane

Concen: 47.215 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 50 Resp: 9477

Ion Ratio Lower Upper

50 100

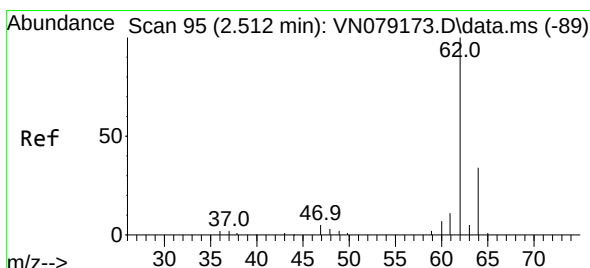
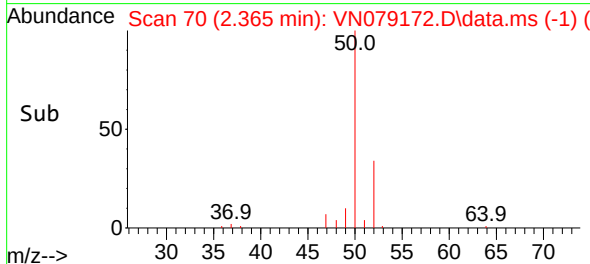
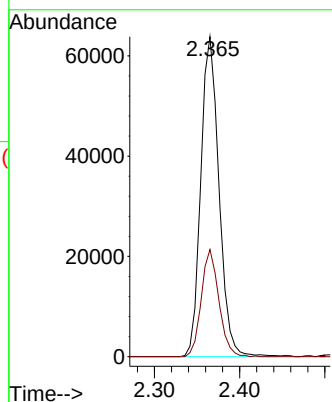
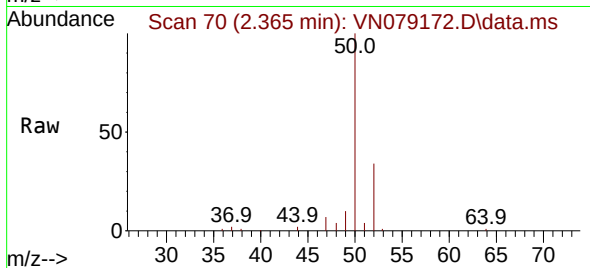
52 33.5 24.0 36.0

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Supervised By :Mahesh Dadoda 09/08/2023



#4

Vinyl Chloride

Concen: 48.776 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN079172.D

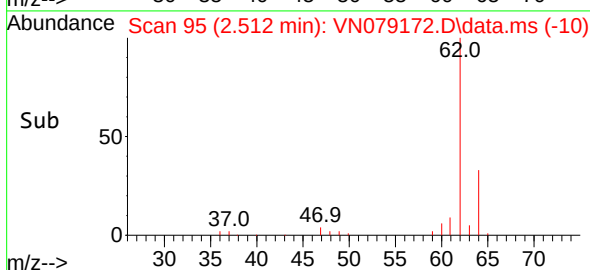
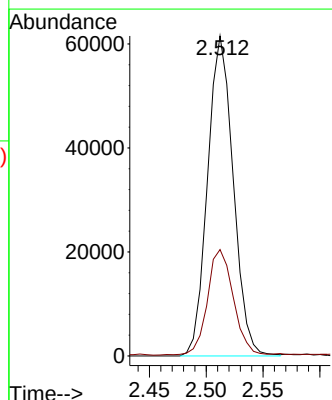
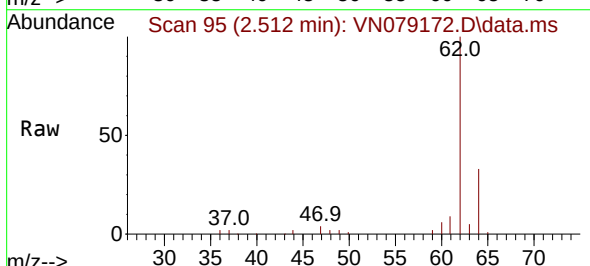
Acq: 07 Sep 2023 10:20

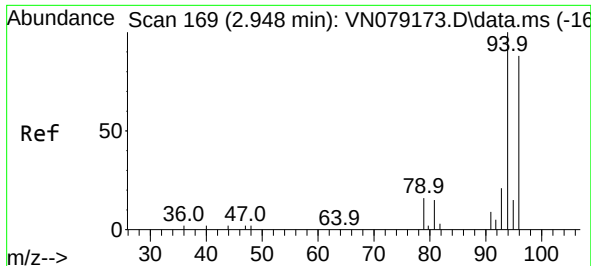
Tgt Ion: 62 Resp: 96864

Ion Ratio Lower Upper

62 100

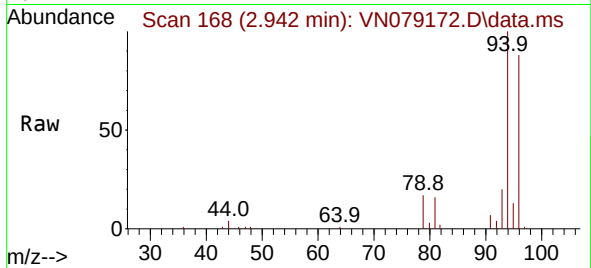
64 32.7 27.1 40.7





#5
Bromomethane
Concen: 45.516 ug/l
RT: 2.942 min Scan# 169
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

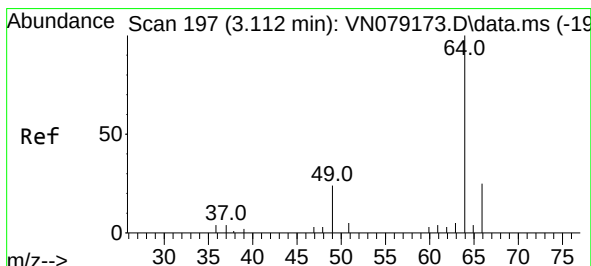
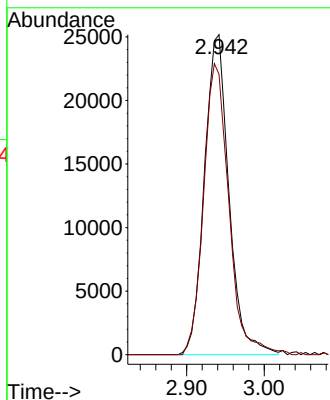
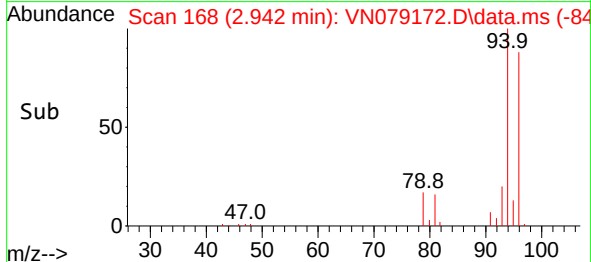
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 94 Resp: 55552
Ion Ratio Lower Upper
94 100
96 87.6 70.6 105.8

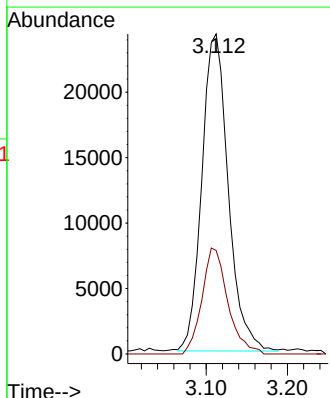
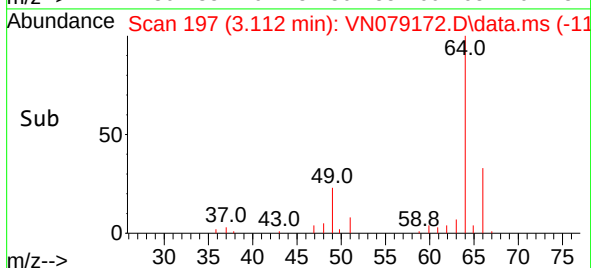
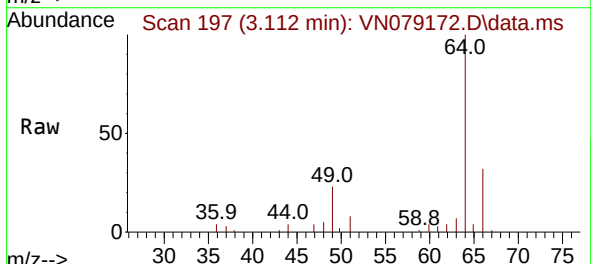
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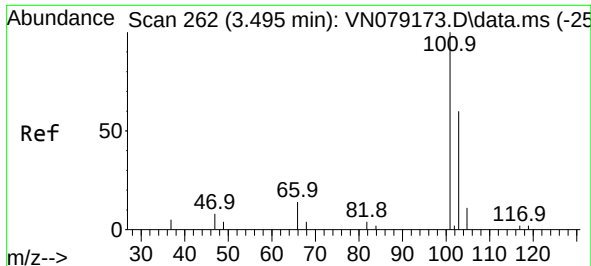
Reviewed By :John Carlone 09/08/2023
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#6
Chloroethane
Concen: 45.078 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

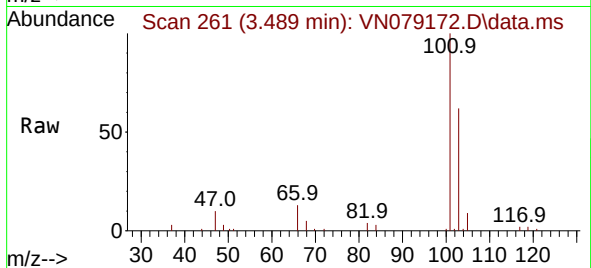
Tgt Ion: 64 Resp: 54825
Ion Ratio Lower Upper
64 100
66 32.8 20.1 30.1#





#7
 Trichlorofluoromethane
 Concen: 49.279 ug/l
 RT: 3.489 min Scan# 261
 Delta R.T. -0.006 min
 Lab File: VN079172.D
 Acq: 07 Sep 2023 10:20

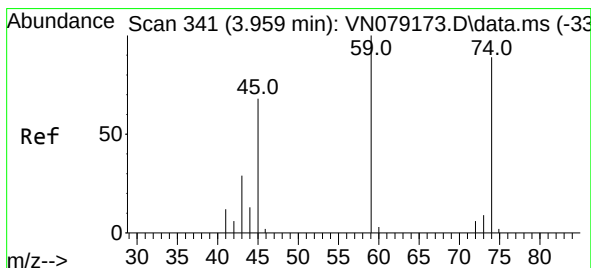
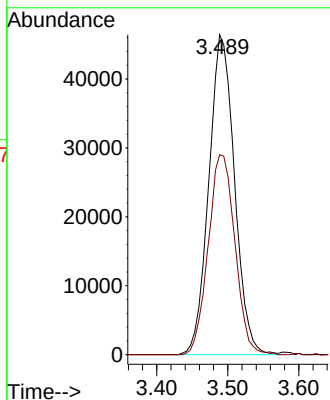
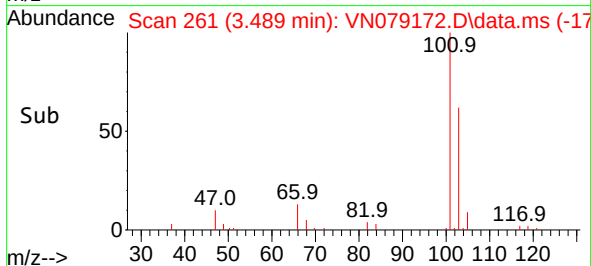
Instrument :
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Tgt Ion:101 Resp: 11650
 Ion Ratio Lower Upper
 101 100
 103 62.5 48.2 72.4

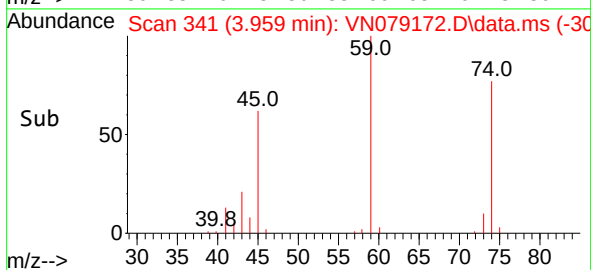
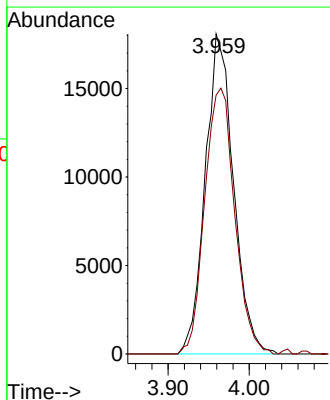
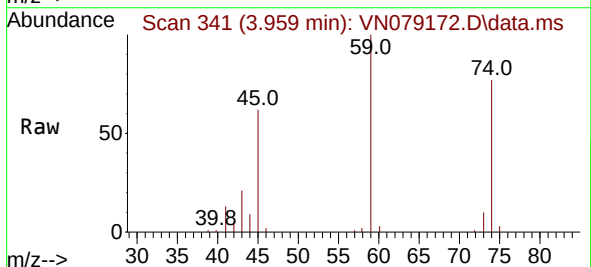
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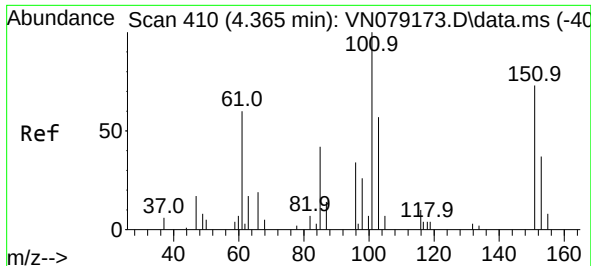
Reviewed By :John Carlone 09/08/2023
 Supervised By :Mahesh Dadoda 09/08/2023



#8
 Diethyl Ether
 Concen: 50.531 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.000 min
 Lab File: VN079172.D
 Acq: 07 Sep 2023 10:20

Tgt Ion: 74 Resp: 43807
 Ion Ratio Lower Upper
 74 100
 45 88.1 17.6 158.0





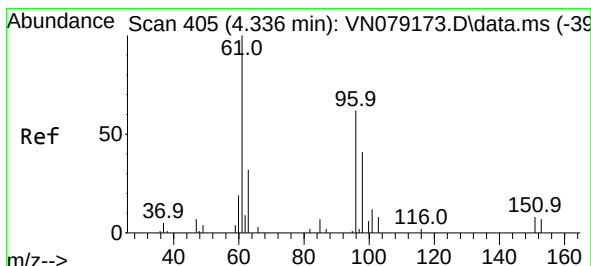
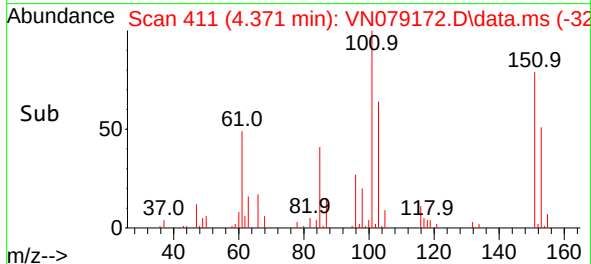
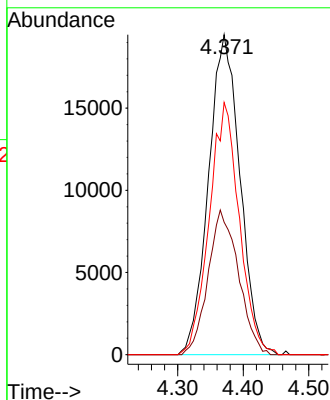
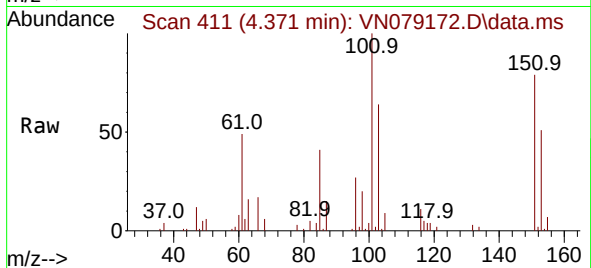
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.884 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 6482
Ion Ratio Lower Upper
101 100
85 43.8 0.0 85.6
151 75.3 0.0 155.8

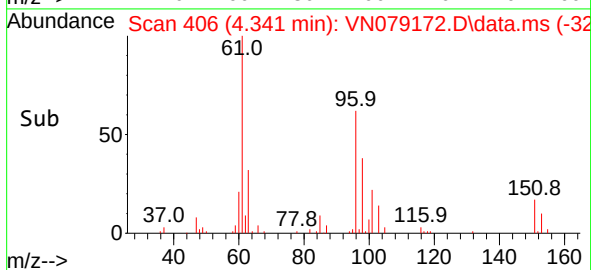
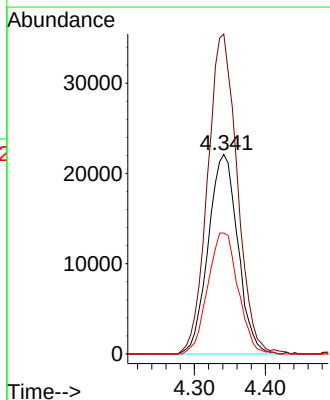
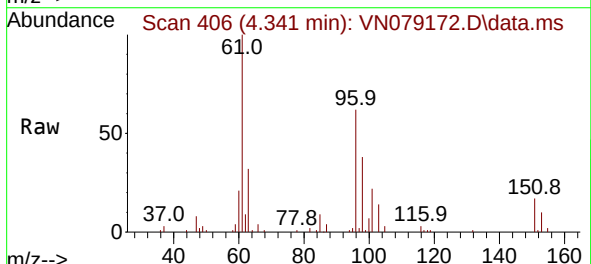
Manual Integrations
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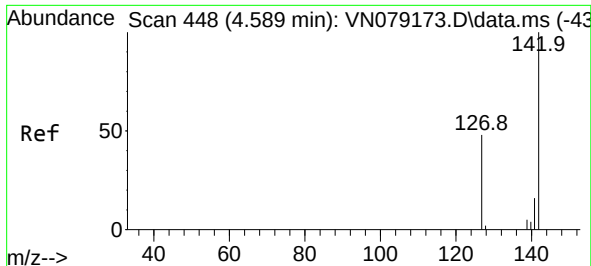
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#10
1,1-Dichloroethene
Concen: 50.700 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

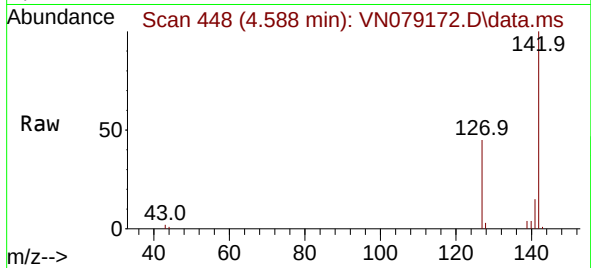
Tgt Ion: 96 Resp: 64011
Ion Ratio Lower Upper
96 100
61 160.4 130.2 195.2
98 60.6 52.3 78.5





#11
Methyl Iodide
Concen: 55.360 ug/l
RT: 4.588 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

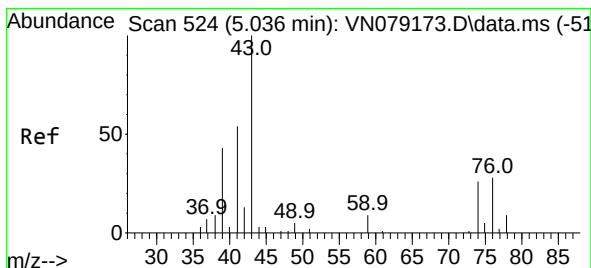
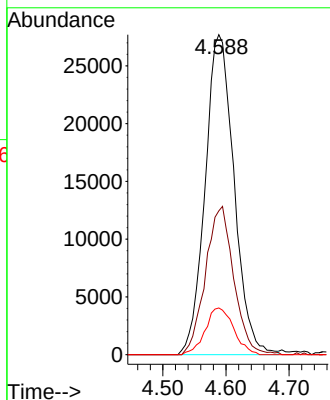
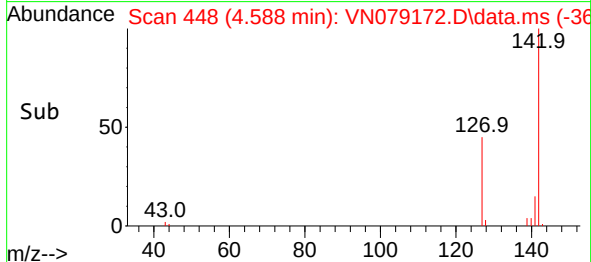
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 88038
Ion Ratio Lower Upper
142 100
127 44.8 23.8 71.4
141 14.7 8.2 24.6

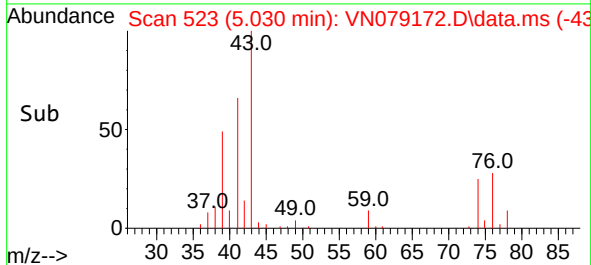
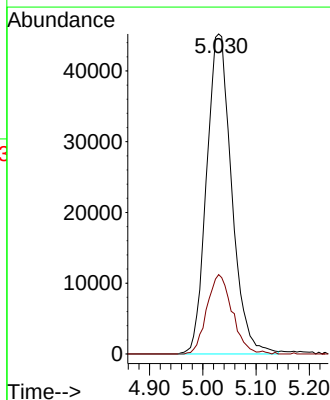
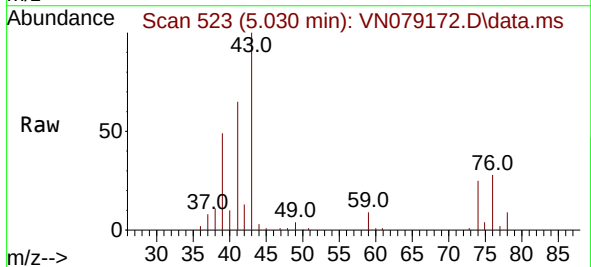
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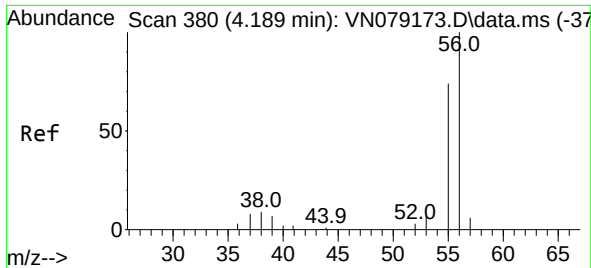
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#12
Methyl Acetate
Concen: 57.180 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

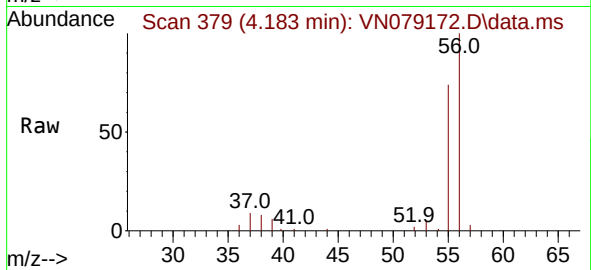
Tgt Ion: 43 Resp: 147791
Ion Ratio Lower Upper
43 100
74 24.9 20.4 30.6





#13
Acrolein
Concen: 237.299 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

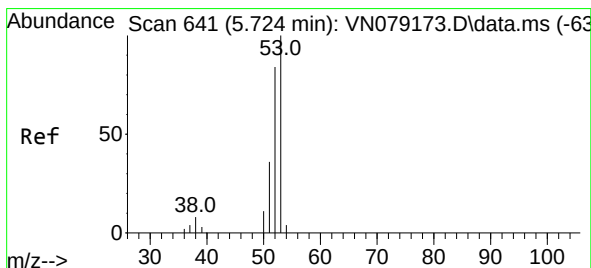
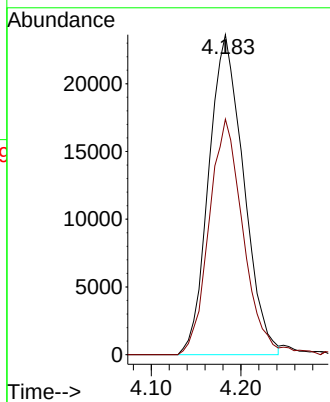
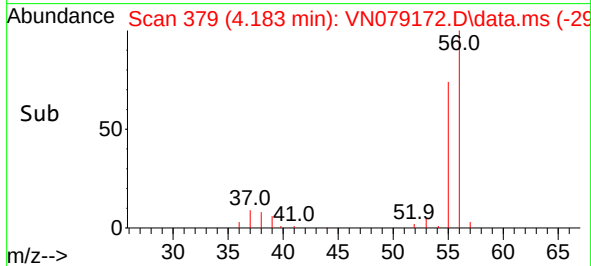
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 56 Resp: 6359
Ion Ratio Lower Upper
56 100
55 71.2 57.7 86.5

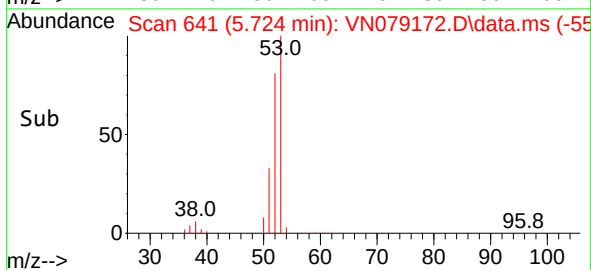
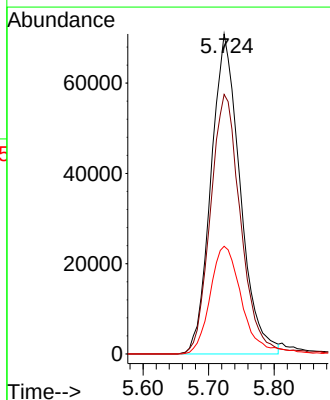
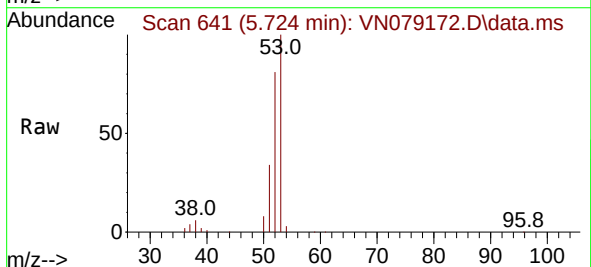
Manual Integrations
APPROVED

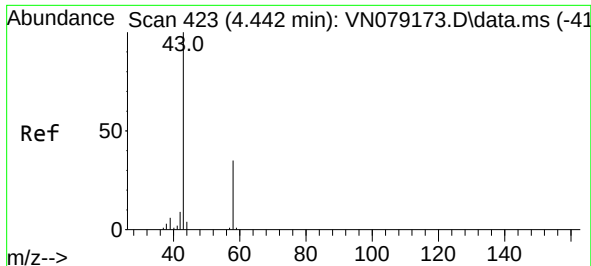
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#14
Acrylonitrile
Concen: 281.613 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 53 Resp: 218181
Ion Ratio Lower Upper
53 100
52 84.0 41.4 124.4
51 36.9 17.3 51.9





#15

Acetone

Concen: 278.097 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 58 Resp: 62618

Ion Ratio Lower Upper

58 100

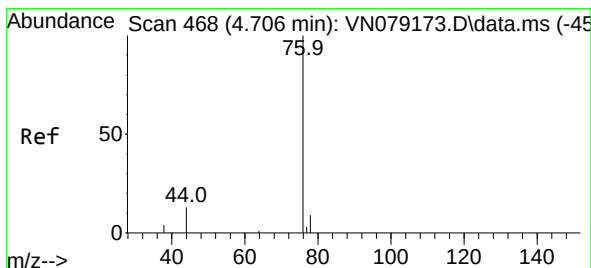
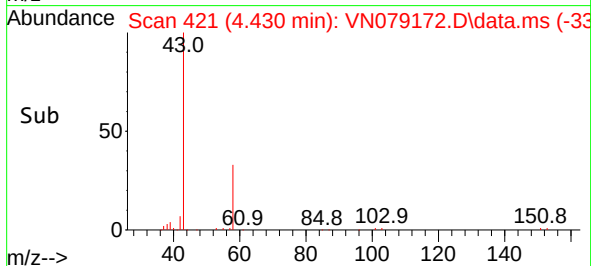
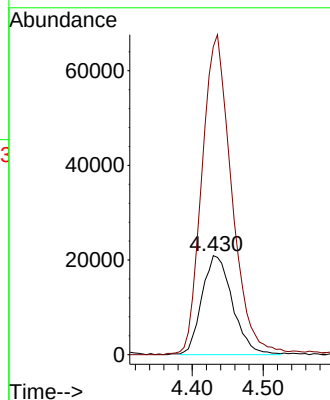
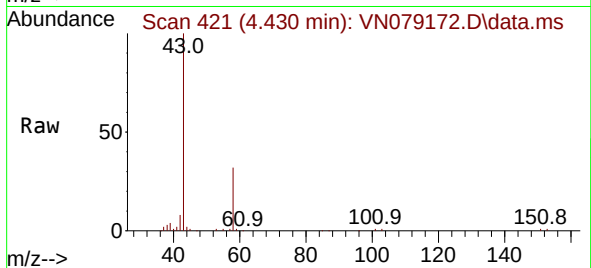
43 310.7 228.3 342.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#16

Carbon Disulfide

Concen: 49.260 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN079172.D

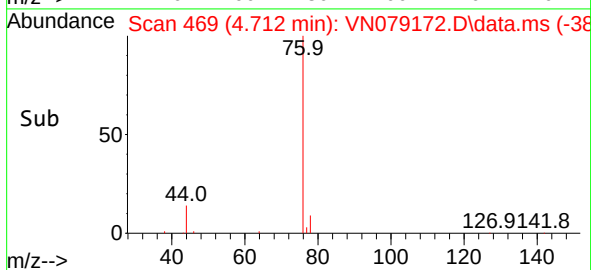
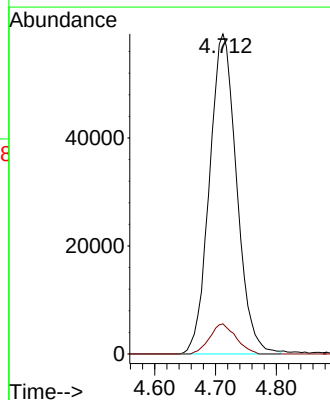
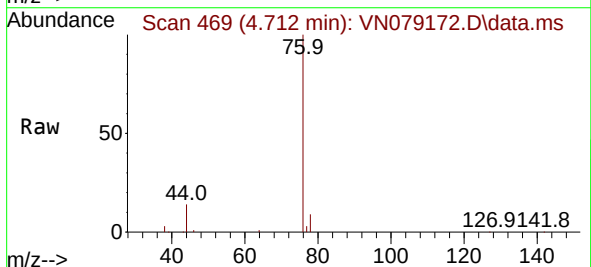
Acq: 07 Sep 2023 10:20

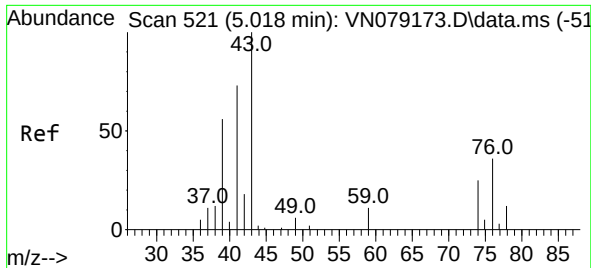
Tgt Ion: 76 Resp: 183763

Ion Ratio Lower Upper

76 100

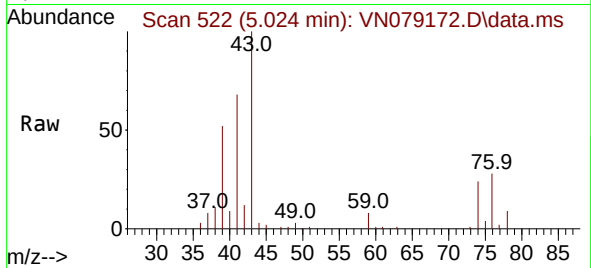
78 9.4 6.9 10.3





#17
 Allyl chloride
 Concen: 65.990 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN079172.D
 Acq: 07 Sep 2023 10:20

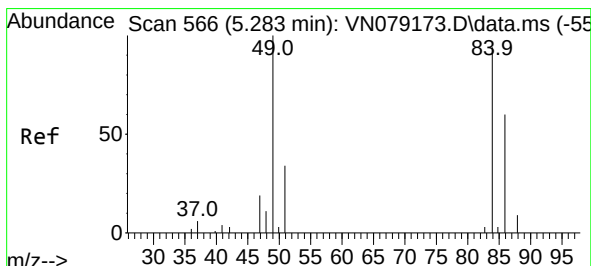
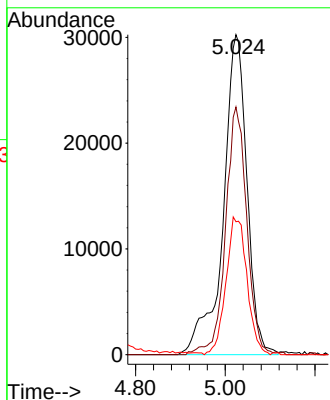
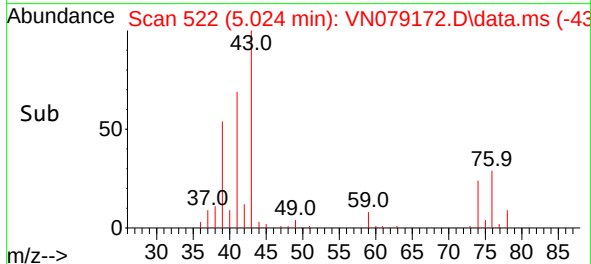
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 41 Resp: 111720
 Ion Ratio Lower Upper
 41 100
 39 77.4 38.3 114.8
 76 40.9 23.7 71.1

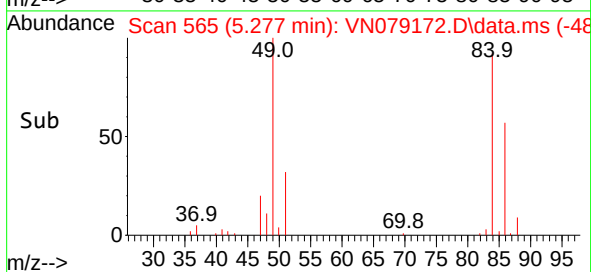
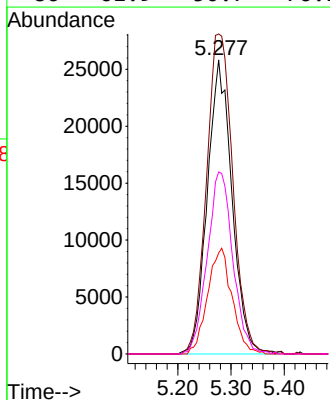
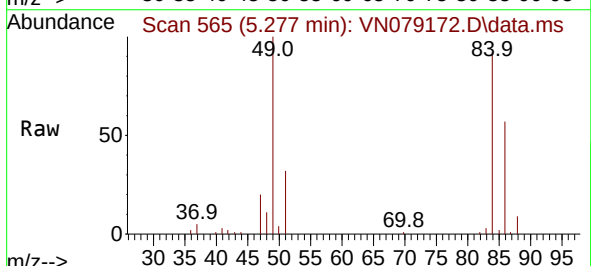
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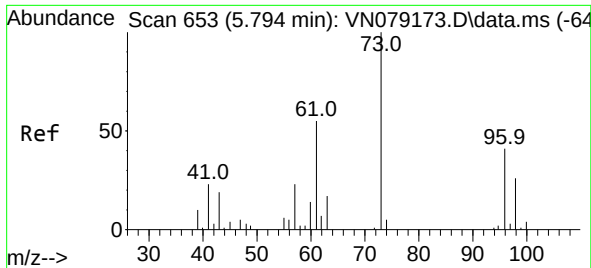
Reviewed By :John Carlone 09/08/2023
 Supervised By :Mahesh Dadoda 09/08/2023



#18
 Methylene Chloride
 Concen: 48.978 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.006 min
 Lab File: VN079172.D
 Acq: 07 Sep 2023 10:20

Tgt Ion: 84 Resp: 82933
 Ion Ratio Lower Upper
 84 100
 49 108.8 86.9 130.3
 51 34.3 28.6 43.0
 86 61.9 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 50.542 ug/l

RT: 5.788 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 96 Resp: 79830

Ion Ratio Lower Upper

96 100

61 138.0 106.6 159.8

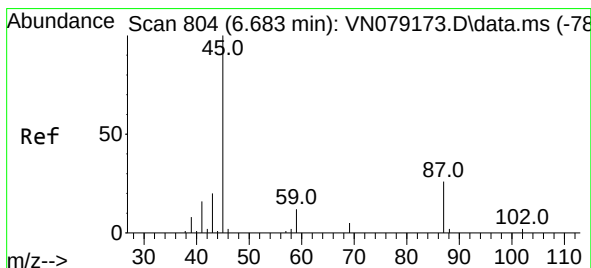
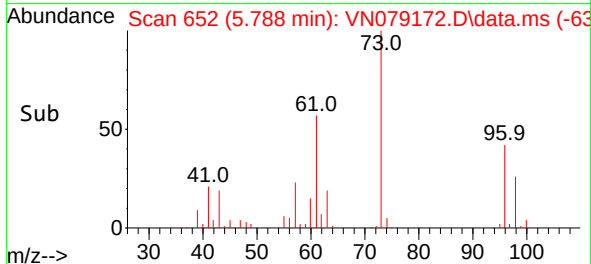
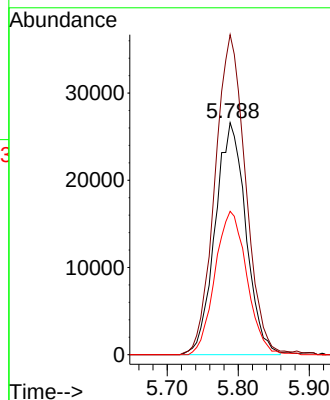
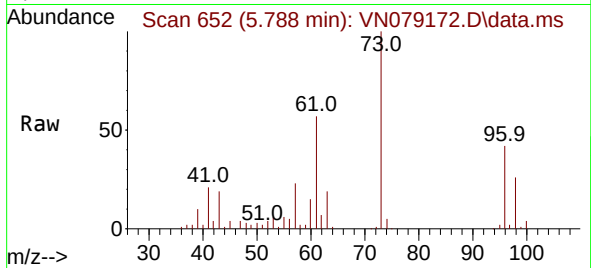
98 61.8 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#20

Diisopropyl ether

Concen: 57.769 ug/l

RT: 6.677 min Scan# 803

Delta R.T. -0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Tgt Ion: 45 Resp: 349972

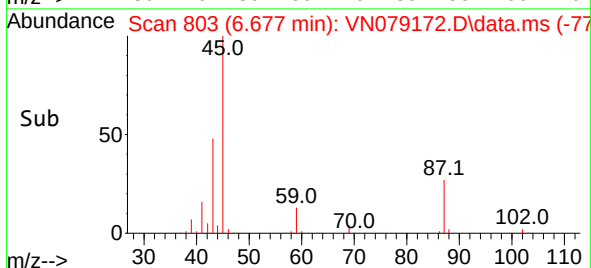
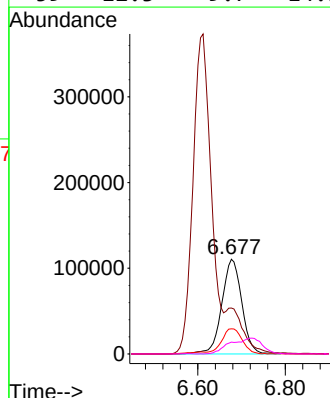
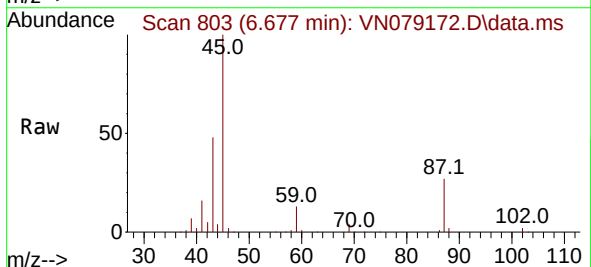
Ion Ratio Lower Upper

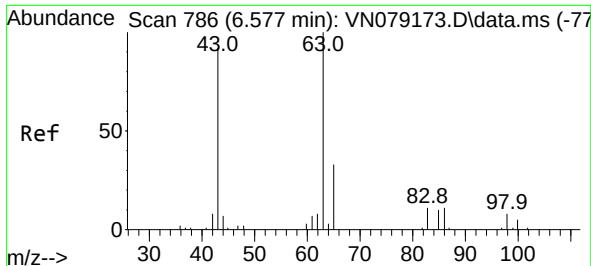
45 100

43 47.5 34.9 52.3

87 26.3 21.5 32.3

59 12.3 9.7 14.5





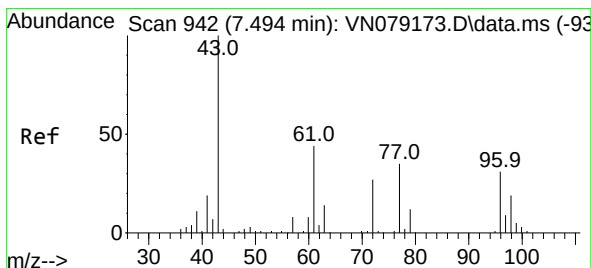
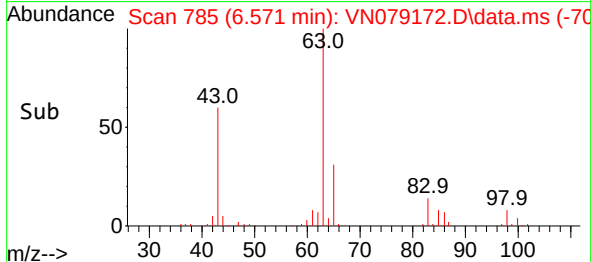
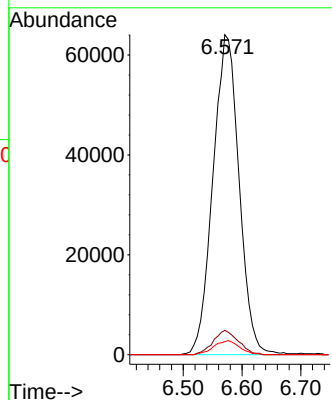
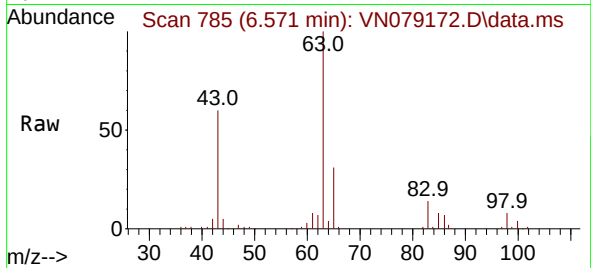
#21
1,1-Dichloroethane
Concen: 55.724 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 19775
Ion Ratio Lower Upper
63 100
98 7.6 3.9 11.5
100 4.1 2.5 7.5

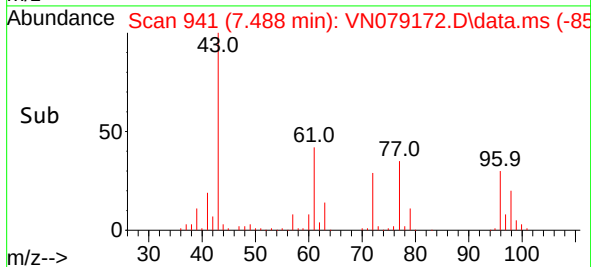
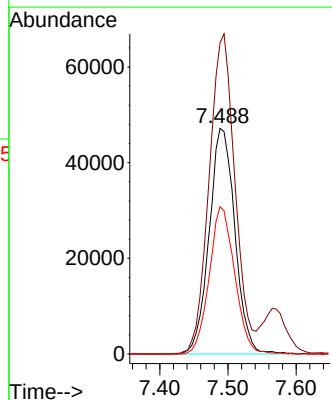
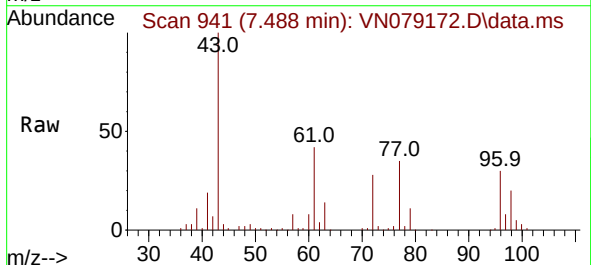
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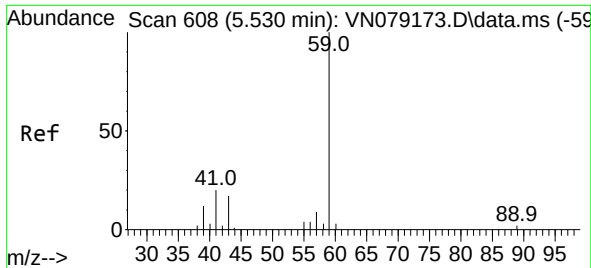
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#22
cis-1,2-Dichloroethene
Concen: 50.244 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 96 Resp: 124125
Ion Ratio Lower Upper
96 100
61 142.6 113.0 169.6
98 64.2 50.2 75.4





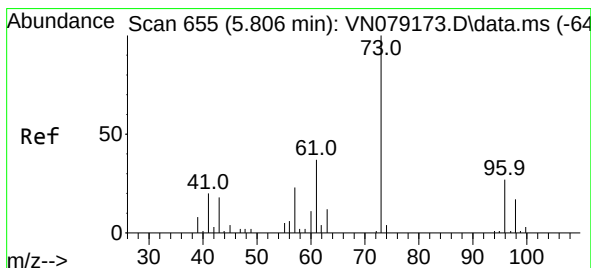
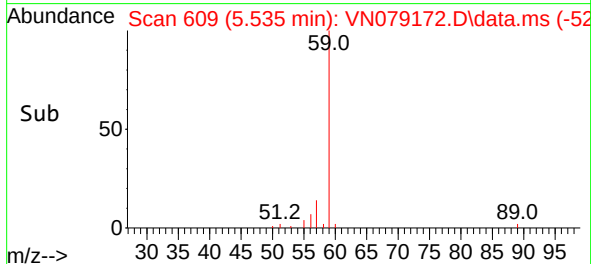
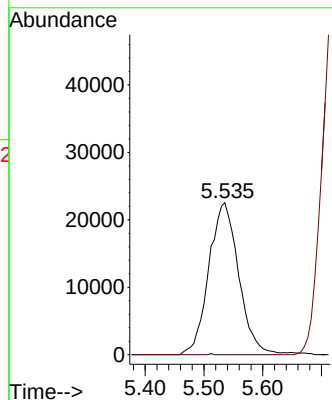
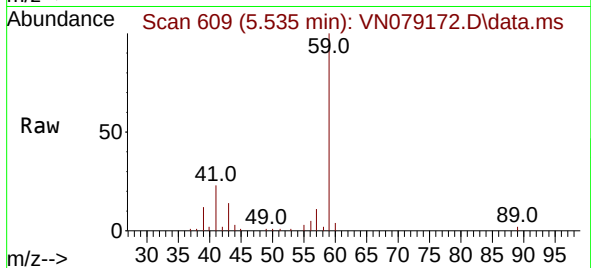
#23
tert-Butyl Alcohol
Concen: 239.133 ug/l
RT: 5.535 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 7940
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

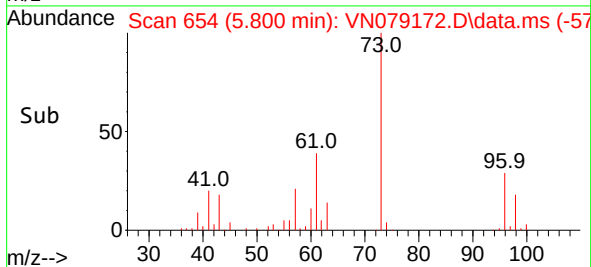
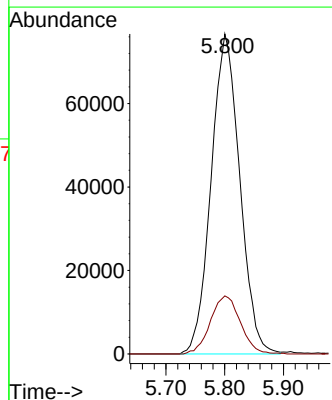
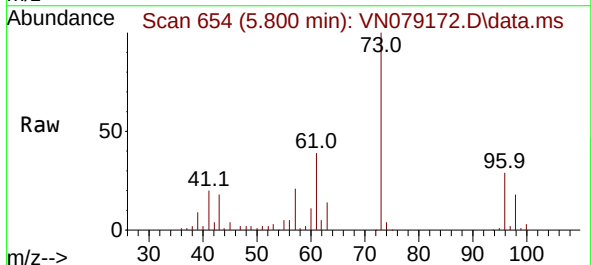
Manual Integrations
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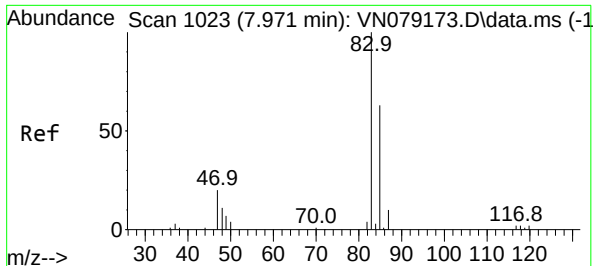
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#24
Methyl tert-Butyl Ether
Concen: 52.067 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 73 Resp: 259437
Ion Ratio Lower Upper
73 100
43 18.9 14.7 22.1





#25

Chloroform

Concen: 46.595 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 19934

Ion Ratio Lower Upper

83 100

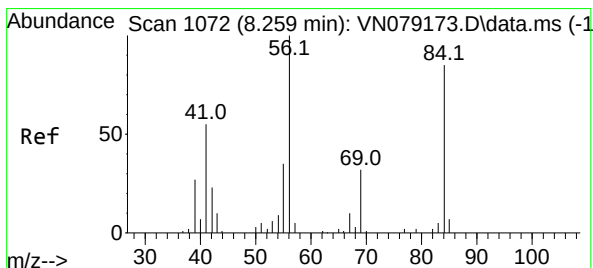
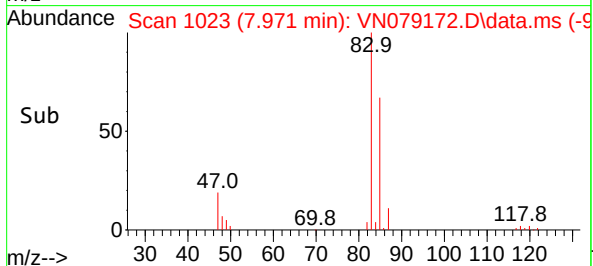
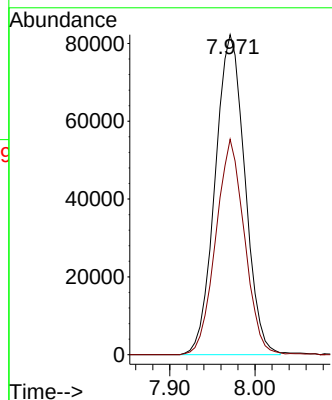
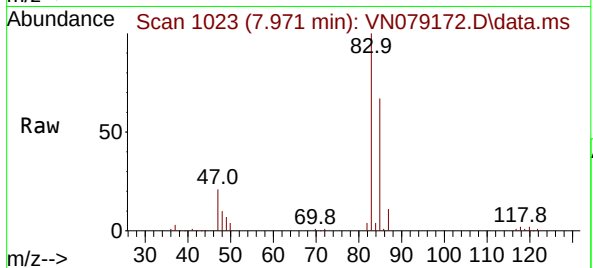
85 67.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#26

Cyclohexane

Concen: 48.491 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

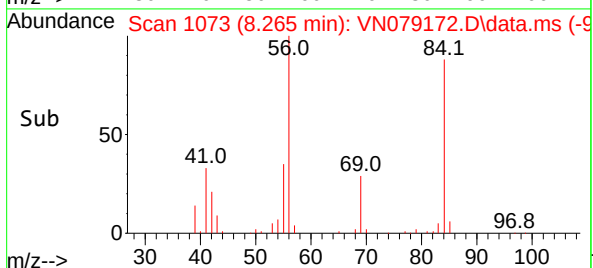
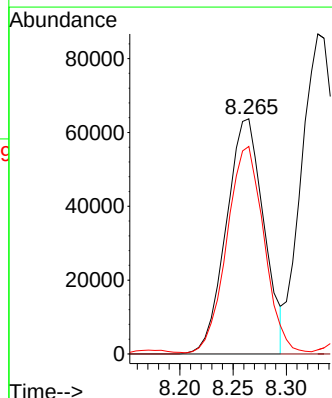
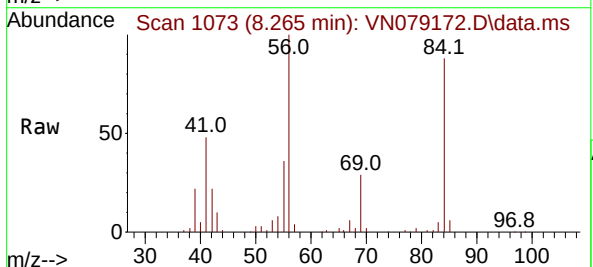
Tgt Ion: 56 Resp: 156013

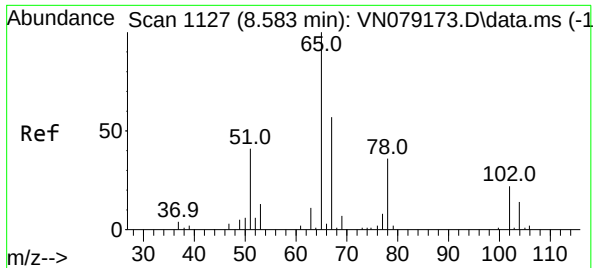
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 88.1 71.1 106.7





#27
1,2-Dichloroethane-d4
Concen: 28.586 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

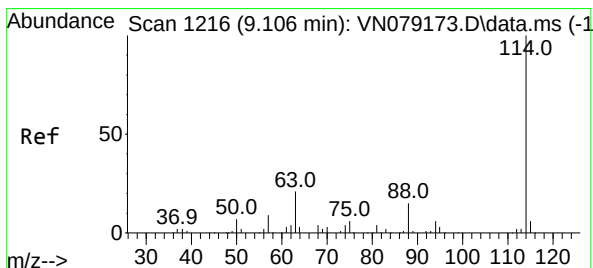
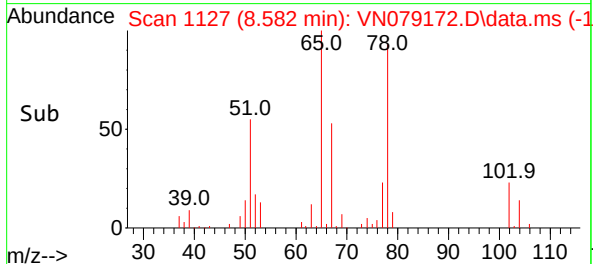
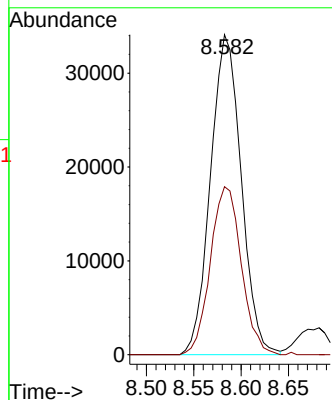
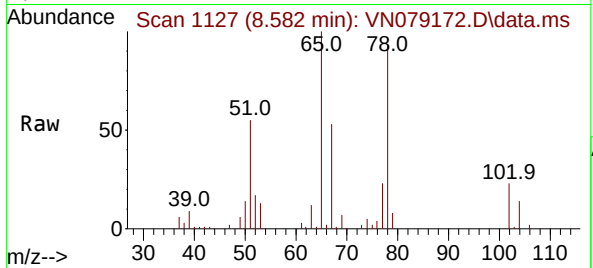
VSTDIC050

Tgt Ion: 65 Resp: 77089
Ion Ratio Lower Upper
65 100
67 52.8 44.4 66.6

Manual Integrations

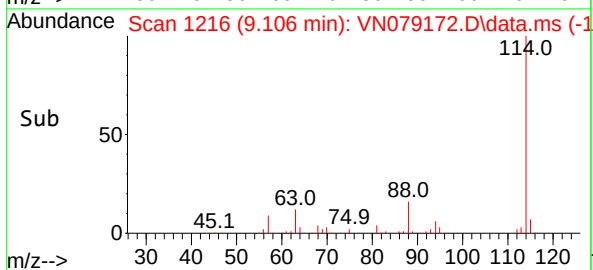
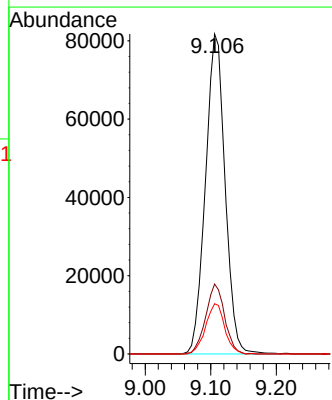
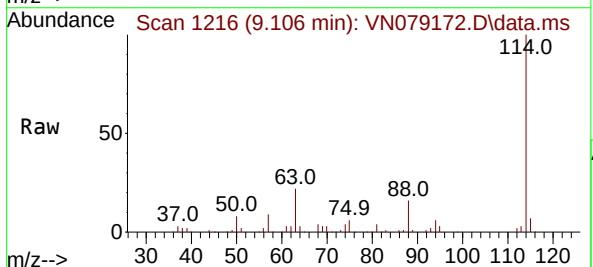
APPROVED

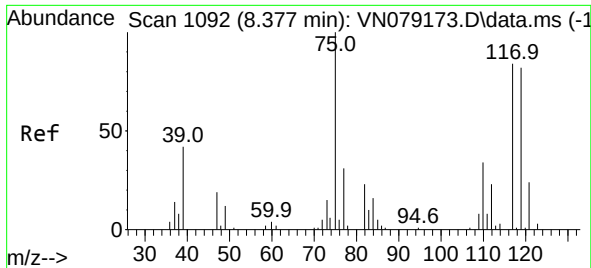
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion:114 Resp: 170022
Ion Ratio Lower Upper
114 100
63 21.0 17.0 25.4
88 15.3 12.8 19.2





#29
1,1-Dichloropropene
Concen: 54.495 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

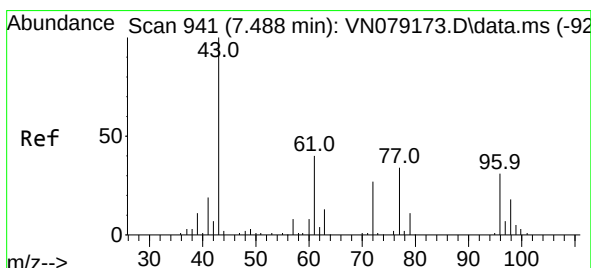
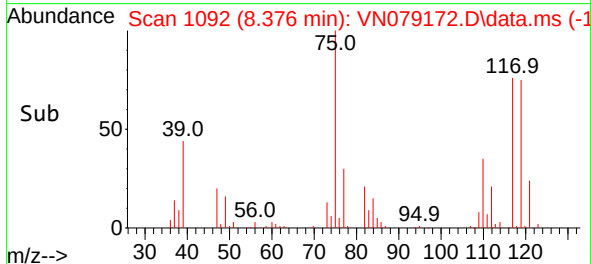
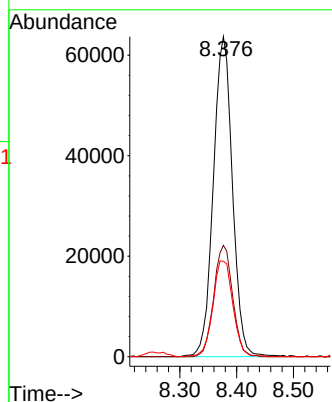
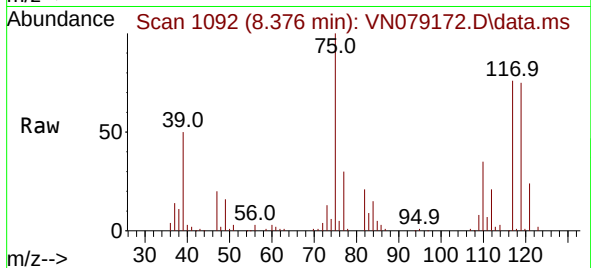
Tgt Ion: 75 Resp: 148550
Ion Ratio Lower Upper
75 100
110 34.3 0.0 68.4
77 31.3 0.0 63.2

Manual Integrations

APPROVED

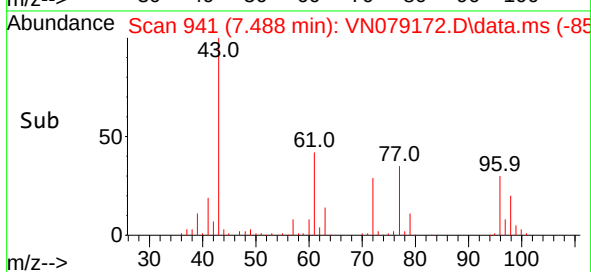
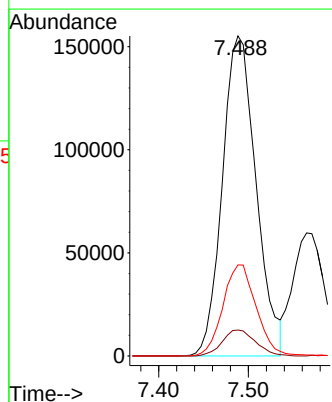
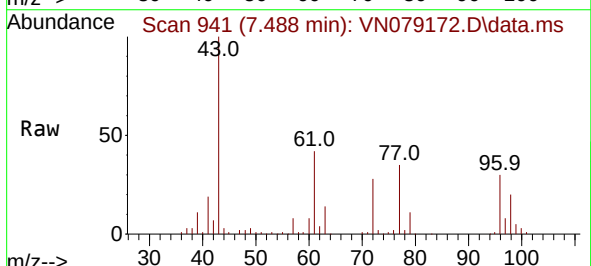
Reviewed By :John Carlone 09/08/2023

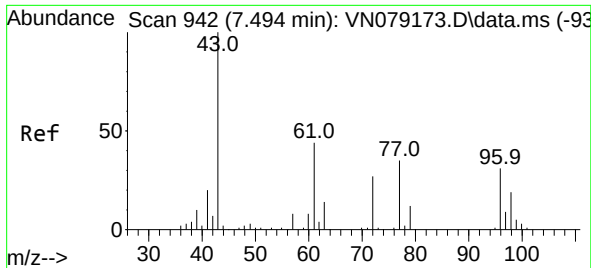
Supervised By :Mahesh Dadoda 09/08/2023



#30
2-Butanone
Concen: 295.552 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

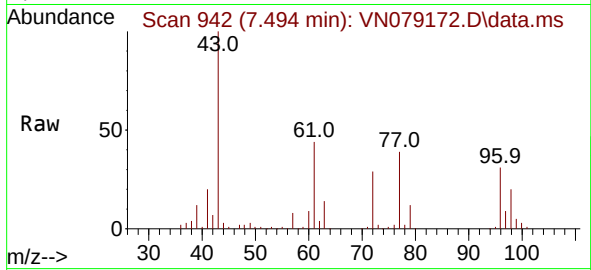
Tgt Ion: 43 Resp: 405236
Ion Ratio Lower Upper
43 100
57 8.0 6.8 10.2
72 28.2 22.4 33.6





#31
2,2-Dichloropropane
Concen: 59.320 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

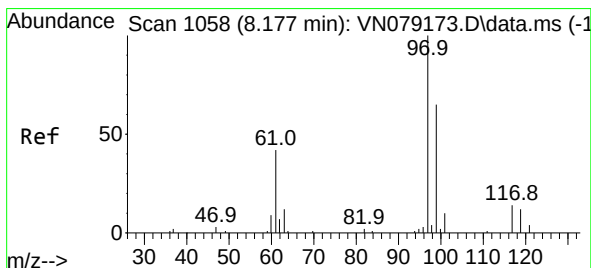
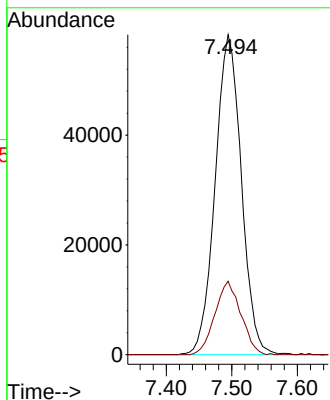
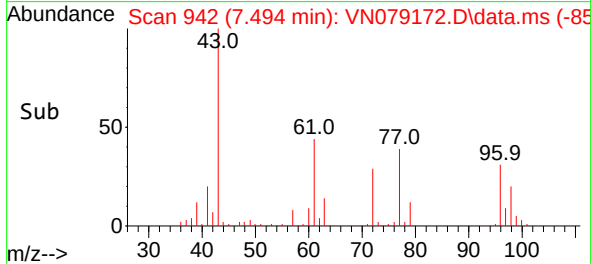
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



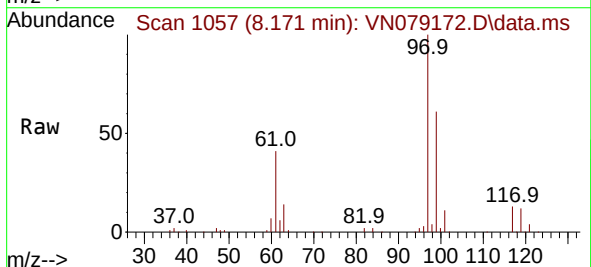
Tgt Ion: 77 Resp: 161290
Ion Ratio Lower Upper
77 100
97 22.8 17.8 26.8

Manual Integrations
APPROVED

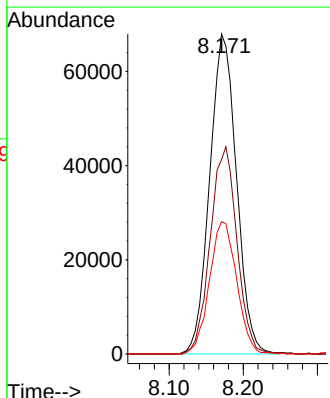
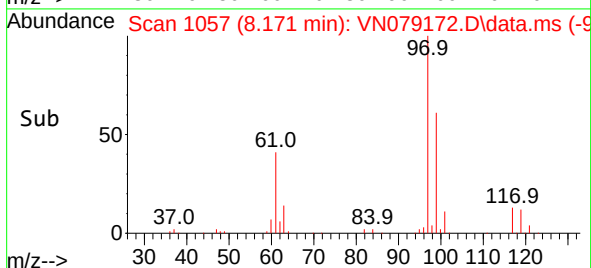
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023

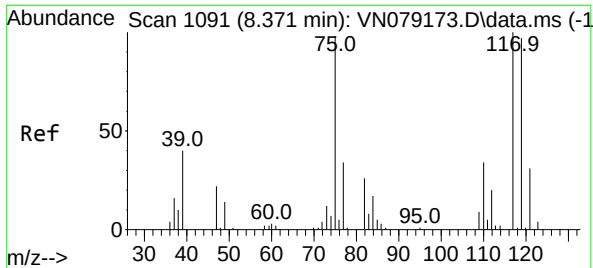


#32
1,1,1-Trichloroethane
Concen: 53.136 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20



Tgt Ion: 97 Resp: 170649
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 42.1 33.4 50.0





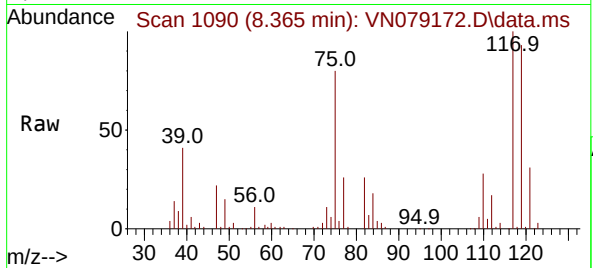
#33
Carbon Tetrachloride
Concen: 73.811 ug/l
RT: 8.365 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050



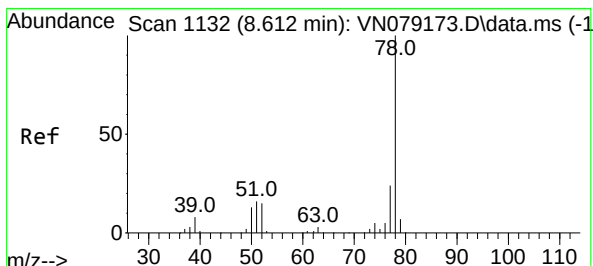
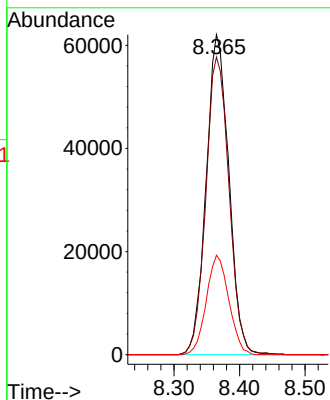
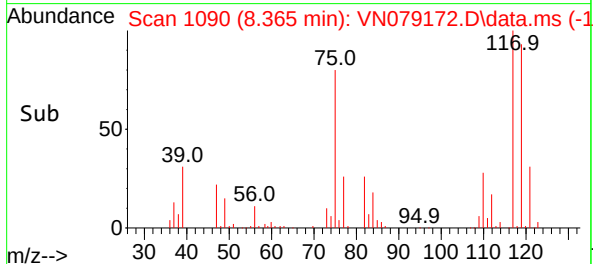
Tgt Ion: 117 Resp: 14935
Ion Ratio Lower Upper
117 100
119 93.0 77.9 116.9
121 31.1 25.1 37.7

Manual Integrations

APPROVED

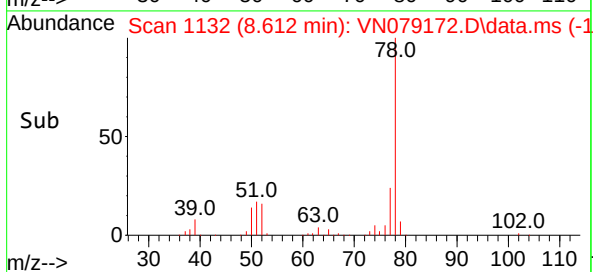
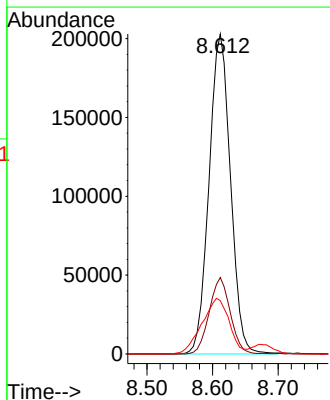
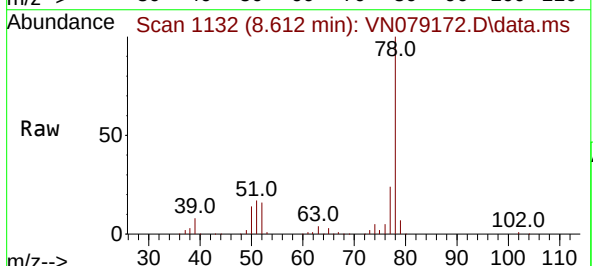
Reviewed By :John Carlone 09/08/2023

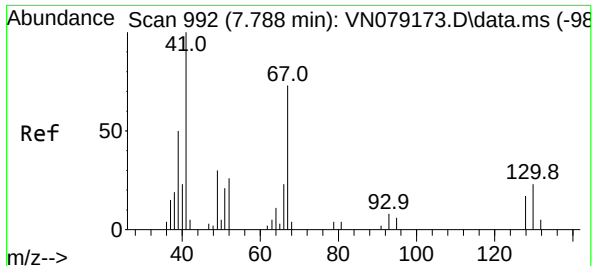
Supervised By :Mahesh Dadoda 09/08/2023



#34
Benzene
Concen: 53.121 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 78 Resp: 460078
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3
51 16.3 13.1 19.7





#35

Methacrylonitrile

Concen: 56.136 ug/l

RT: 7.782 min Scan# 991

Delta R.T. -0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 82874

Ion Ratio Lower Upper

41 100

39 54.1 24.9 74.6

67 77.2 36.7 110.1

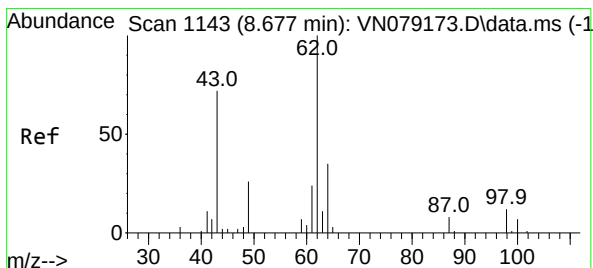
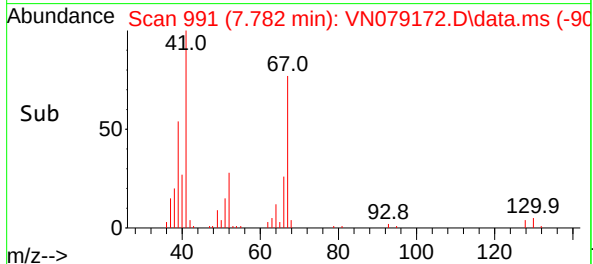
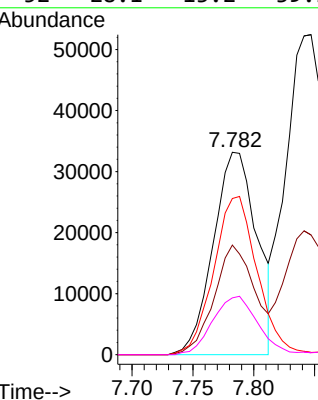
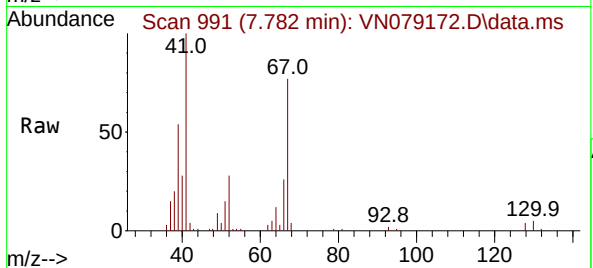
52 28.1 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#36

1,2-Dichloroethane

Concen: 51.903 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN079172.D

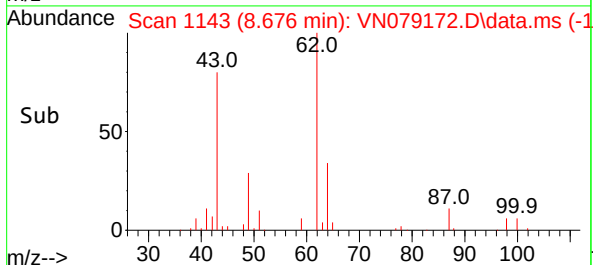
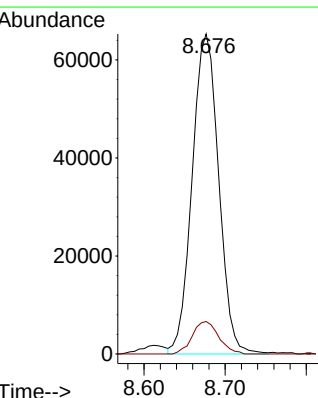
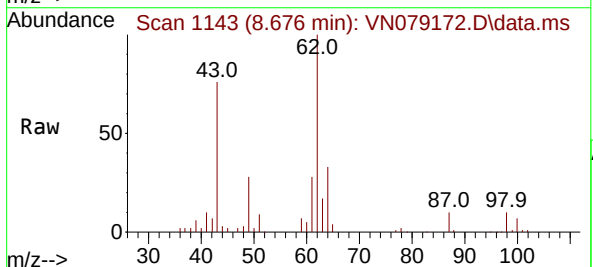
Acq: 07 Sep 2023 10:20

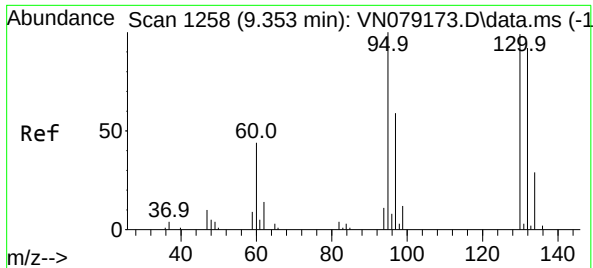
Tgt Ion: 62 Resp: 148254

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.2





#37

Trichloroethene

Concen: 53.720 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:130 Resp: 109972

Ion Ratio Lower Upper

130 100

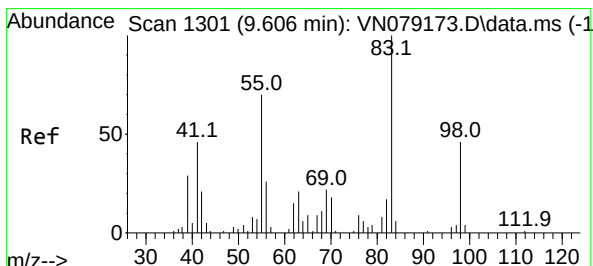
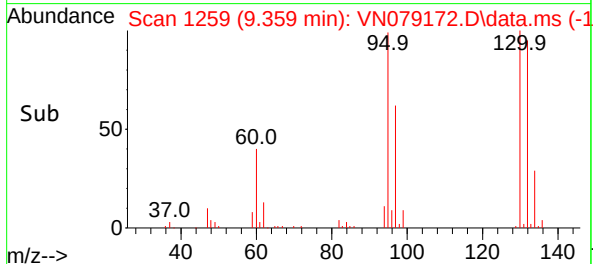
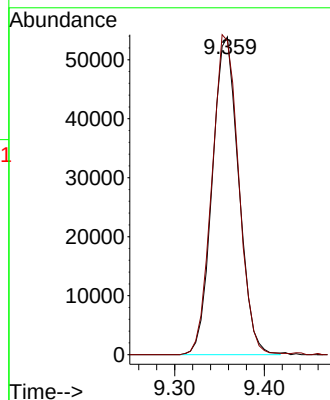
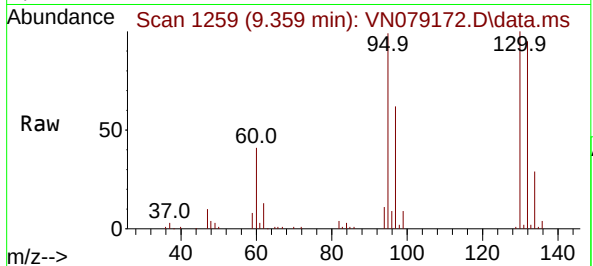
95 98.8 81.0 121.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#38

Methylcyclohexane

Concen: 55.831 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

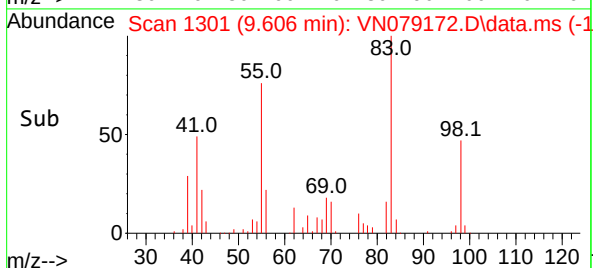
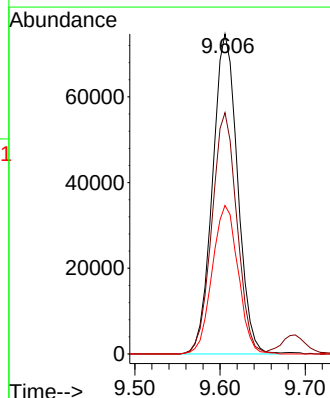
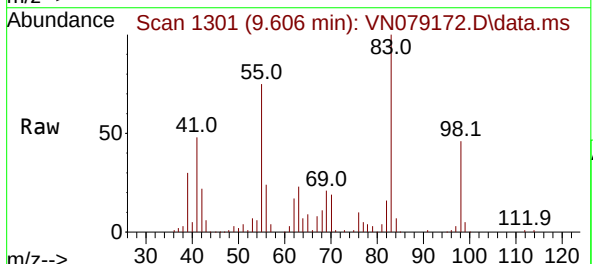
Tgt Ion: 83 Resp: 152152

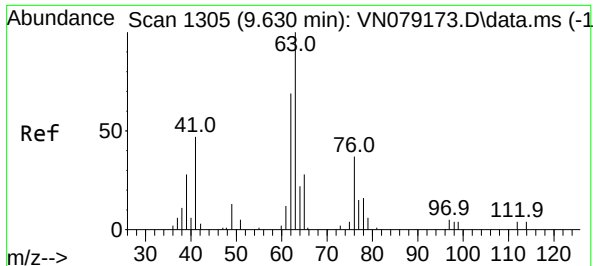
Ion Ratio Lower Upper

83 100

55 75.6 39.1 117.2

98 48.2 24.1 72.4





#39

1,2-Dichloropropane

Concen: 53.518 ug/l

RT: 9.623 min Scan# 11956

Delta R.T. -0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 11956

Ion Ratio Lower Upper

63 100

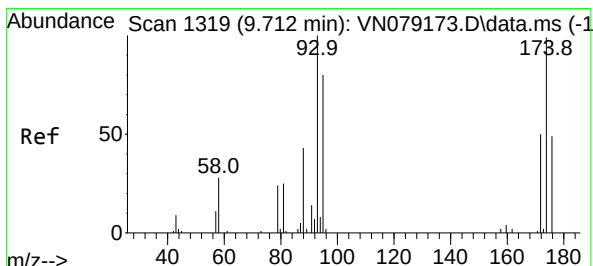
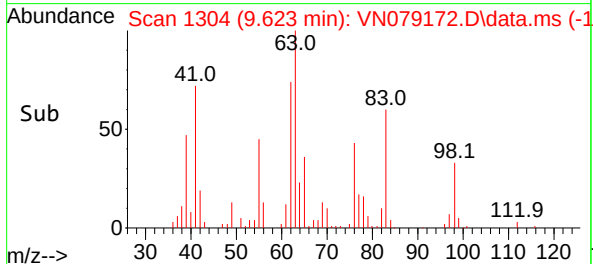
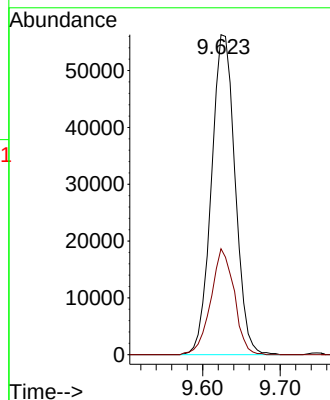
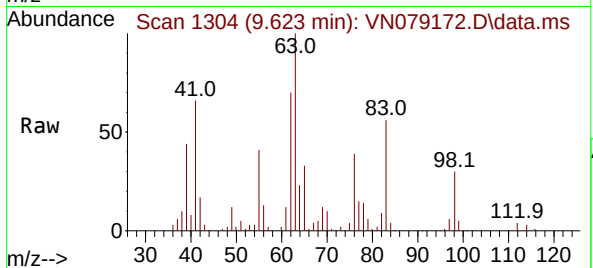
65 33.1 23.4 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#40

Dibromomethane

Concen: 51.876 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

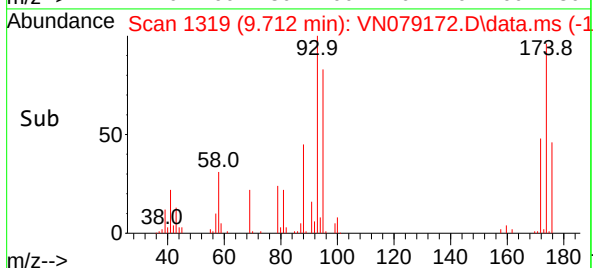
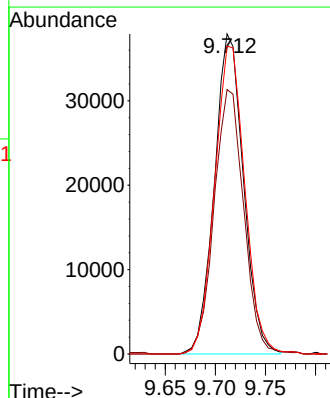
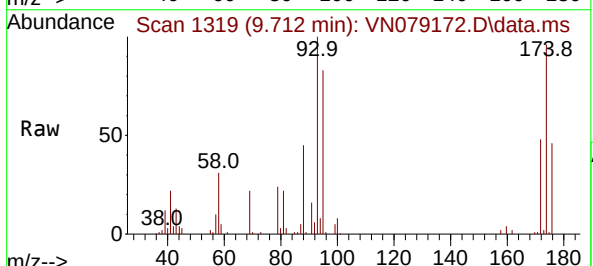
Tgt Ion: 93 Resp: 76428

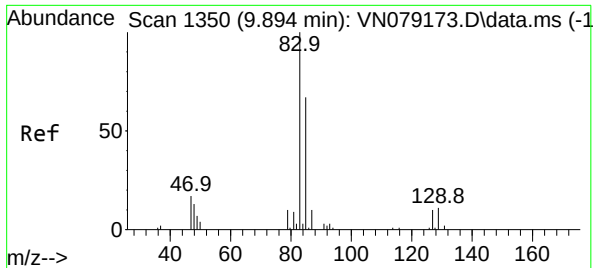
Ion Ratio Lower Upper

93 100

95 84.3 0.0 172.4

174 99.5 0.0 192.4





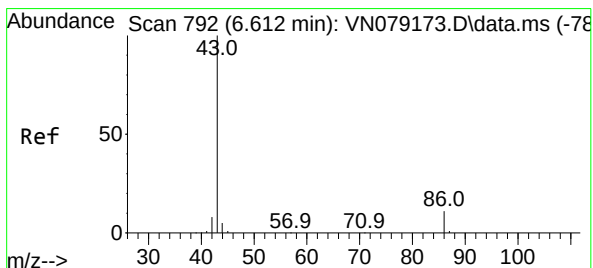
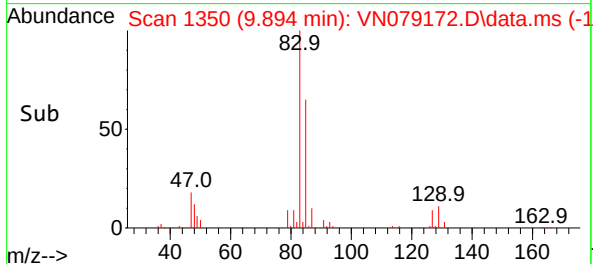
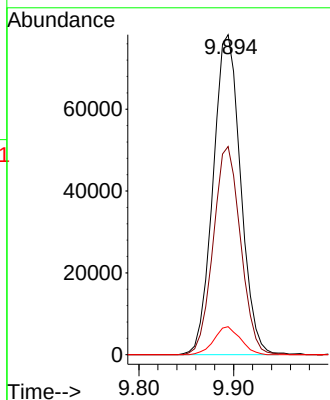
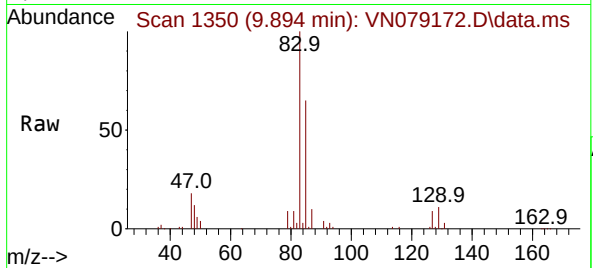
#41
Bromodichloromethane
Concen: 53.800 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 158000
Ion Ratio Lower Upper
83 100
85 65.0 53.4 80.2
127 8.7 8.3 12.5

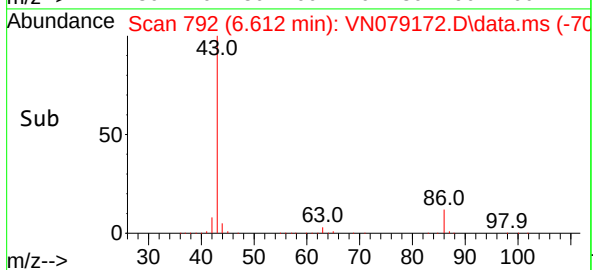
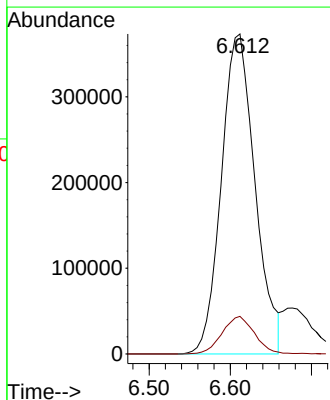
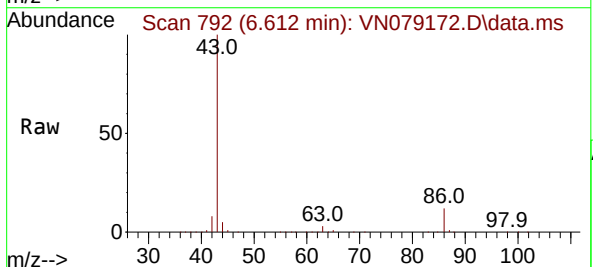
Manual Integrations
APPROVED

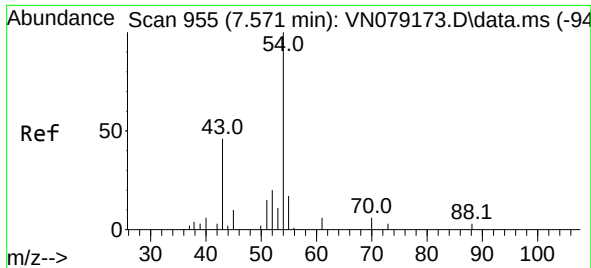
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#42
Vinyl Acetate
Concen: 330.947 ug/l
RT: 6.612 min Scan# 792
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 43 Resp: 1077640
Ion Ratio Lower Upper
43 100
86 11.3 9.2 13.8





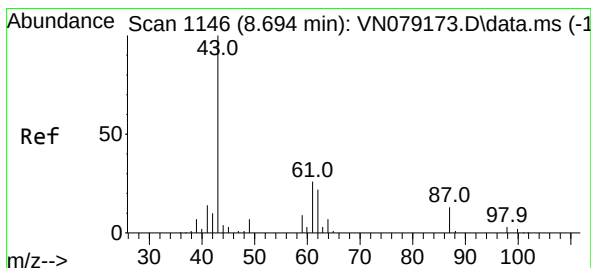
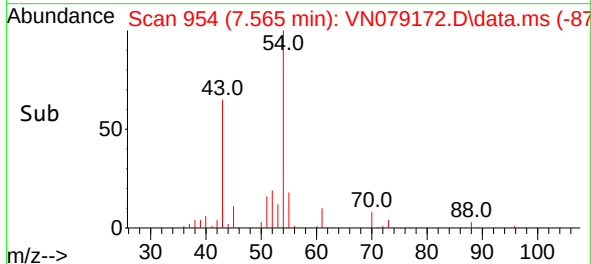
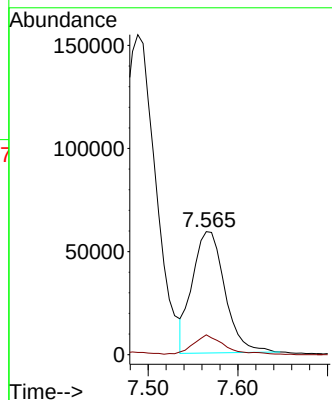
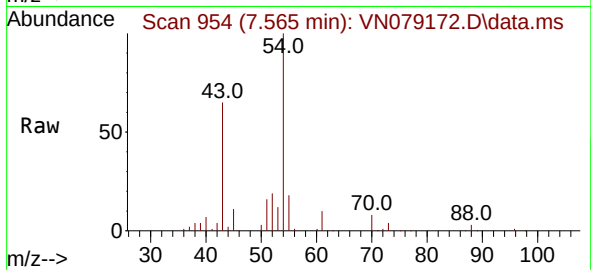
#43
Ethyl Acetate
Concen: 56.771 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 14783
Ion Ratio Lower Upper
43 100
45 15.0 11.1 16.7

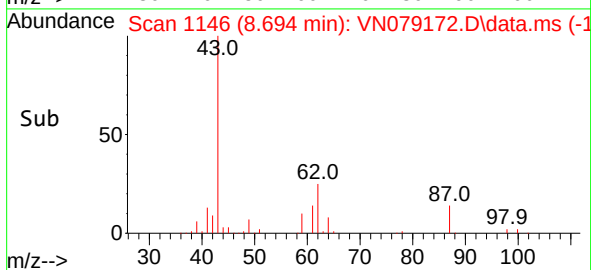
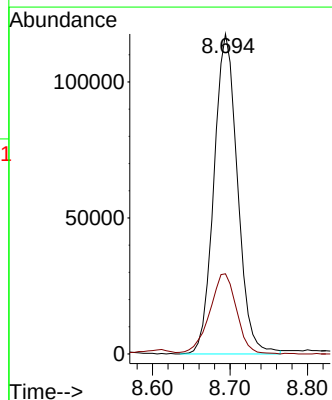
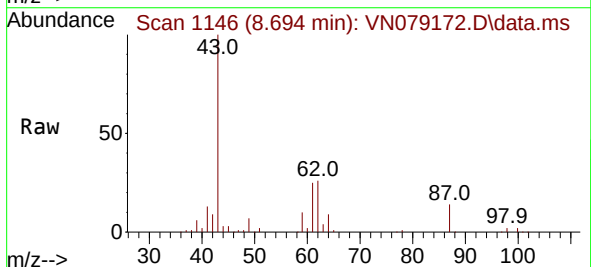
Manual Integrations
APPROVED

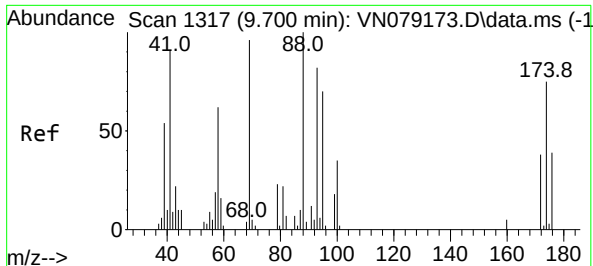
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#44
Isopropyl Acetate
Concen: 53.052 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 43 Resp: 248514
Ion Ratio Lower Upper
43 100
61 28.7 22.6 33.8





#45

1,4-Dioxane

Concen: 1080.004 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

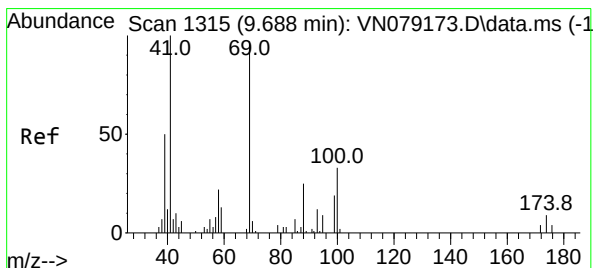
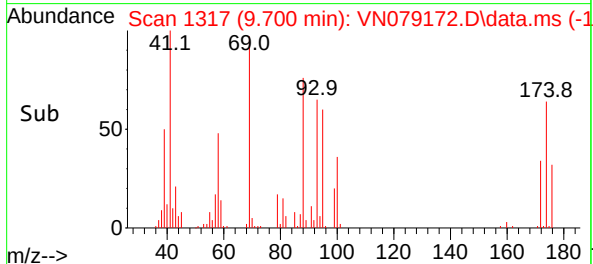
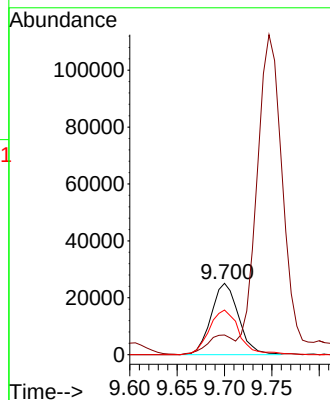
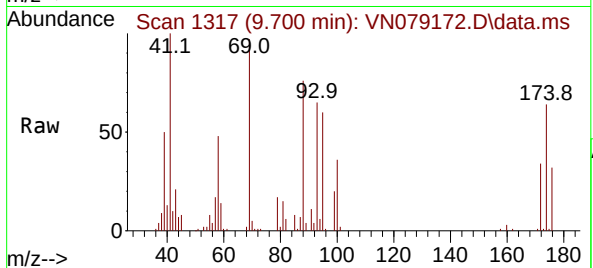
Tgt Ion: 88 Resp: 50358
 Ion Ratio Lower Upper
 88 100
 43 27.3 19.9 29.9
 58 66.9 58.0 87.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#46

Methyl methacrylate

Concen: 55.689 ug/l

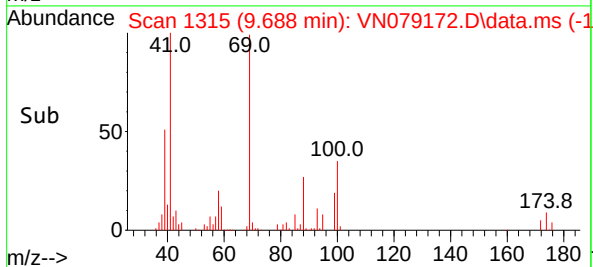
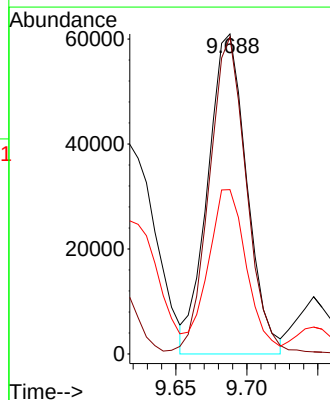
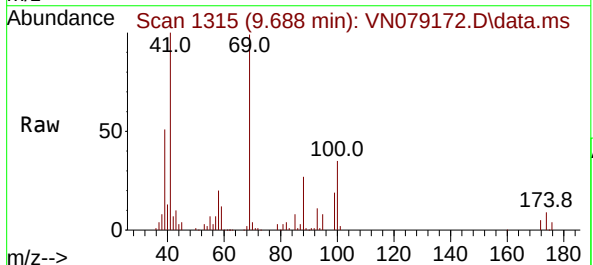
RT: 9.688 min Scan# 1315

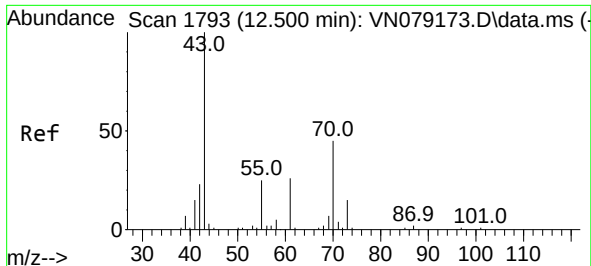
Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Tgt Ion: 41 Resp: 116546
 Ion Ratio Lower Upper
 41 100
 69 101.4 48.1 144.3
 39 51.4 25.8 77.3





#47

n-amyl Acetate

Concen: 60.980 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 43 Resp: 20089

Ion Ratio Lower Upper

43 100

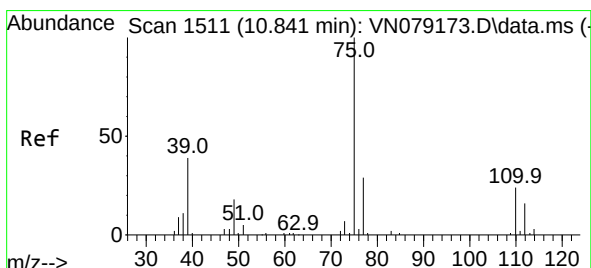
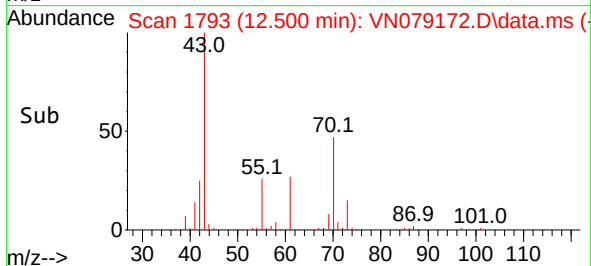
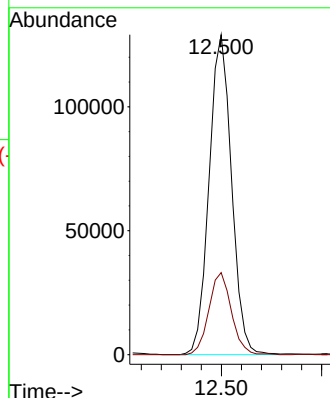
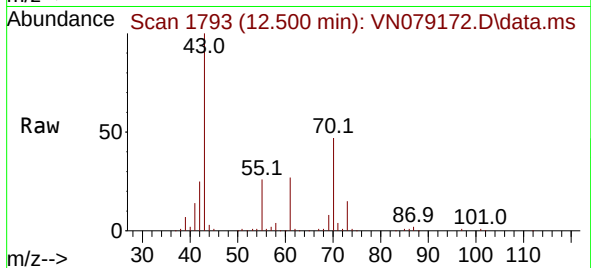
55 25.6 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#48

t-1,3-Dichloropropene

Concen: 55.085 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VN079172.D

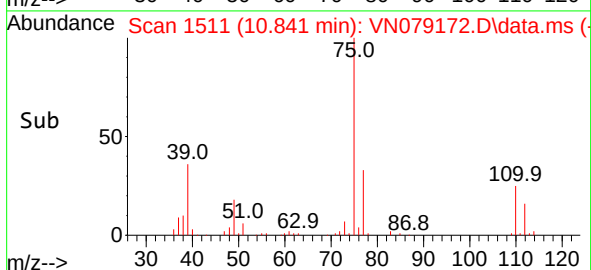
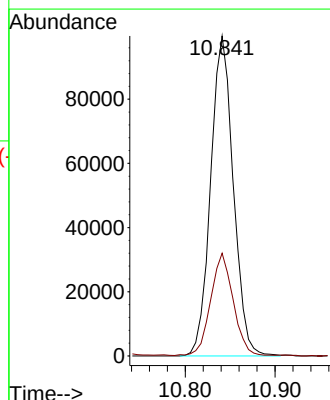
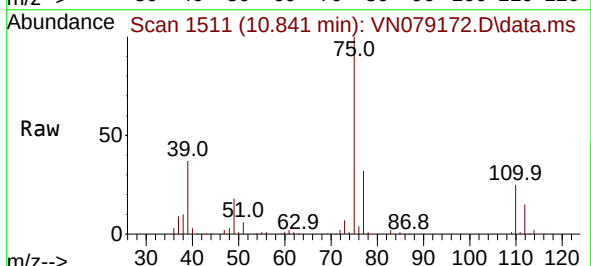
Acq: 07 Sep 2023 10:20

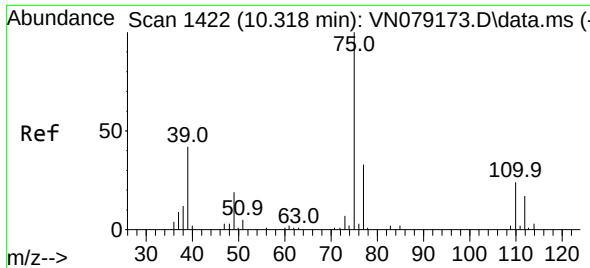
Tgt Ion: 75 Resp: 175028

Ion Ratio Lower Upper

75 100

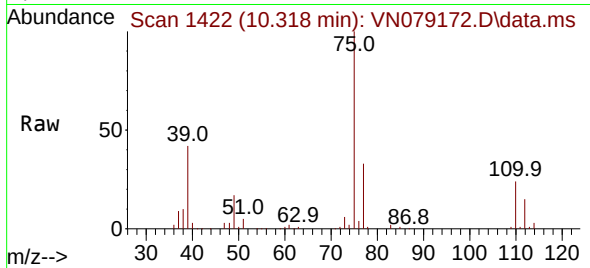
77 31.9 22.9 34.3





#49
cis-1,3-Dichloropropene
Concen: 56.887 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

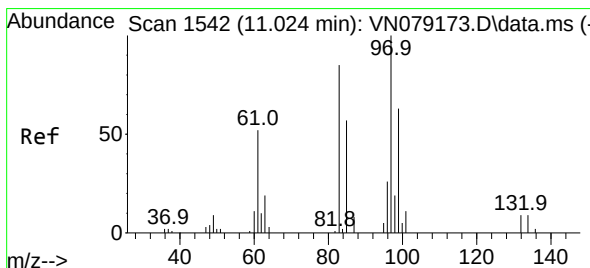
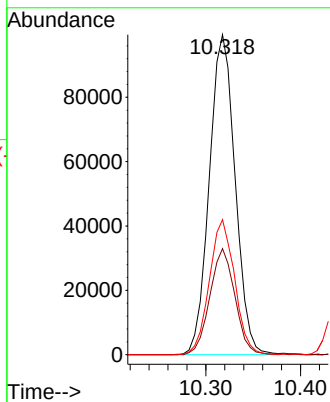
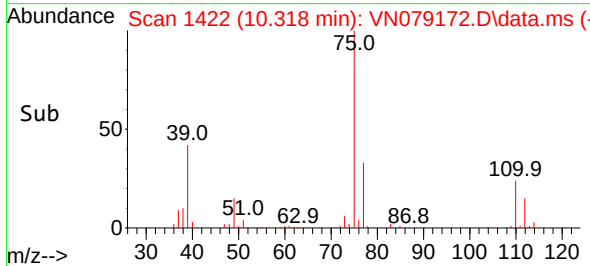
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 188538
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.2
39 42.2 33.8 50.8

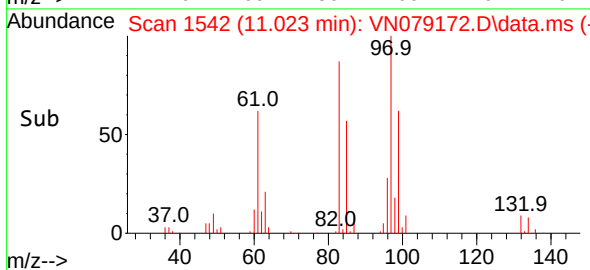
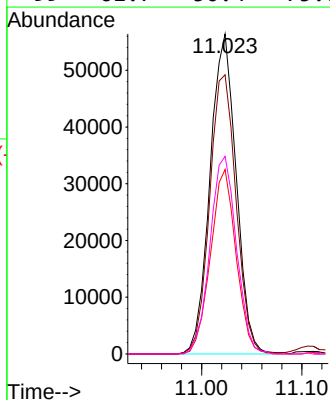
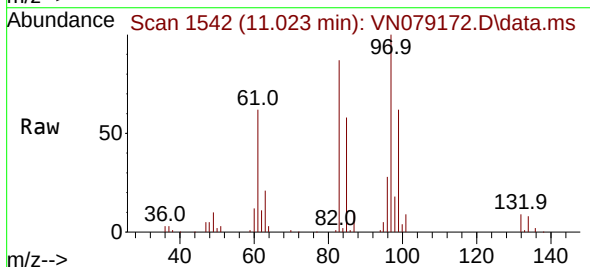
Manual Integrations
APPROVED

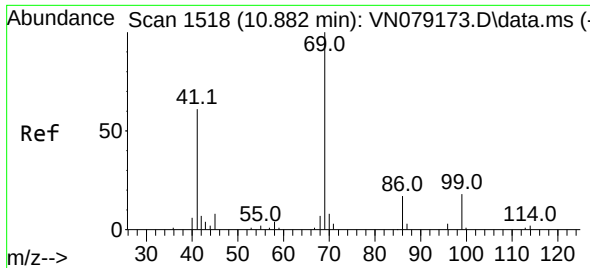
Reviewed By :John Carbone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#50
1,1,2-Trichloroethane
Concen: 49.426 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

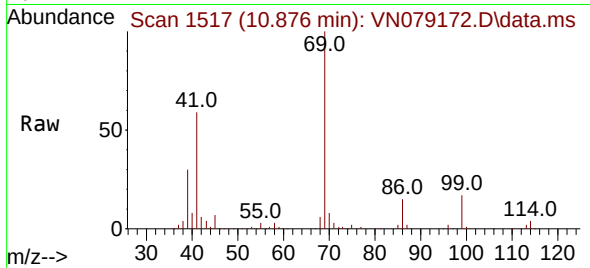
Tgt Ion: 97 Resp: 102189
Ion Ratio Lower Upper
97 100
83 87.3 68.9 103.3
85 57.6 45.3 67.9
99 61.7 50.4 75.6





#51
Ethyl methacrylate
Concen: 57.061 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

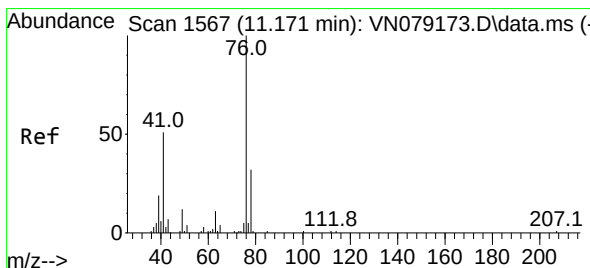
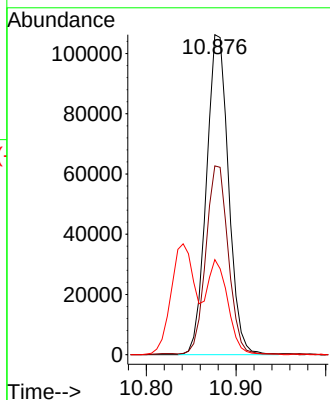
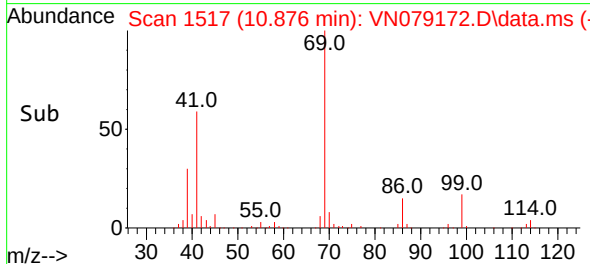
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 69 Resp: 182140
Ion Ratio Lower Upper
69 100
41 58.8 30.3 90.9
39 29.5 13.4 40.1

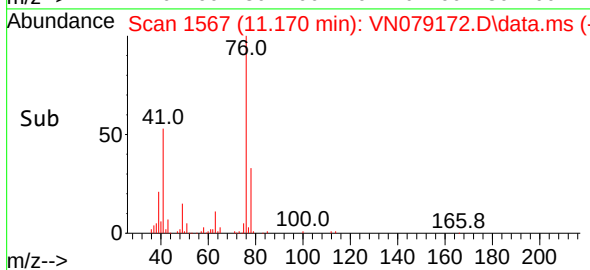
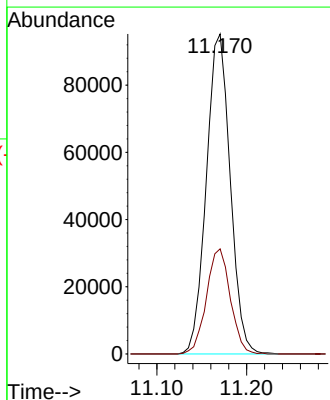
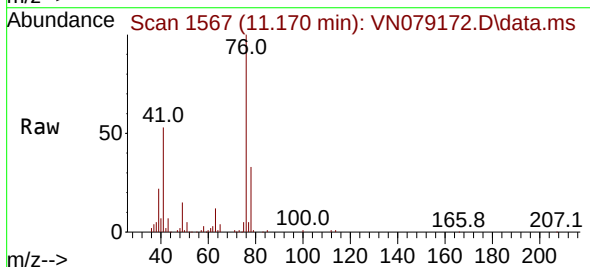
Manual Integrations
APPROVED

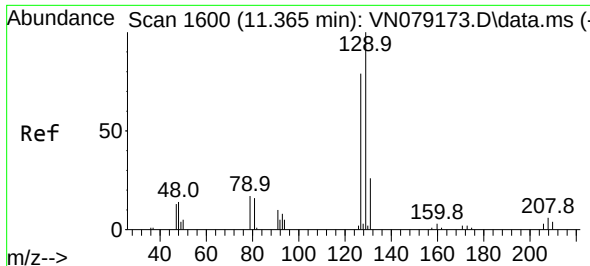
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#52
1,3-Dichloropropane
Concen: 49.875 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

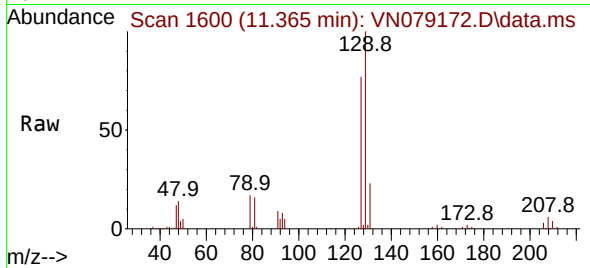
Tgt Ion: 76 Resp: 175990
Ion Ratio Lower Upper
76 100
78 32.8 0.0 64.2





#53
Dibromochloromethane
Concen: 54.819 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

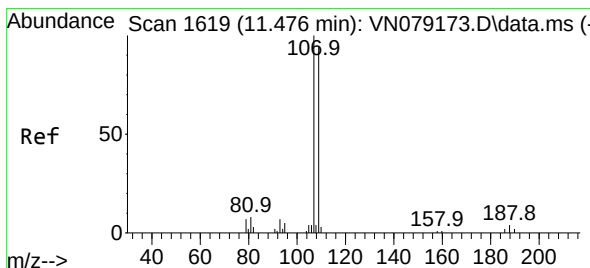
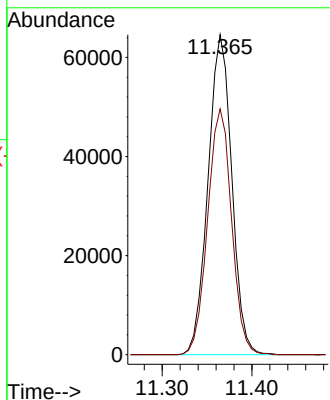
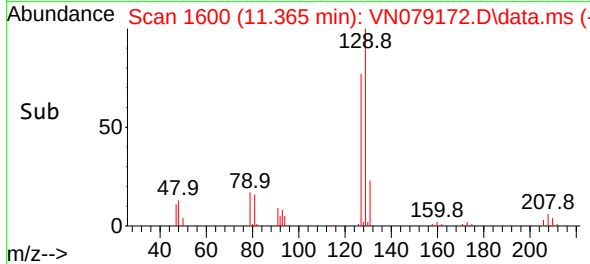
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



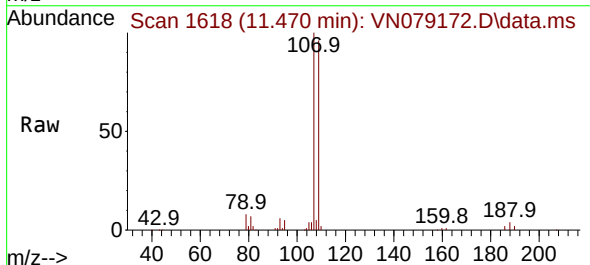
Tgt Ion:129 Resp: 118835
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1

Manual Integrations
APPROVED

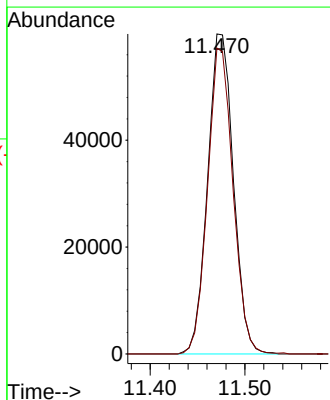
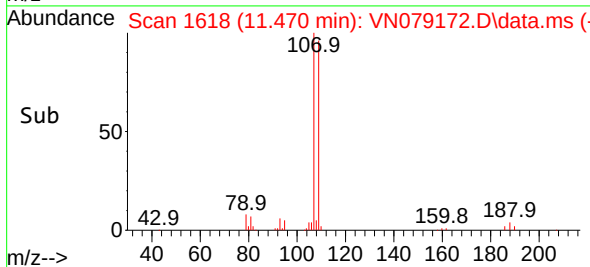
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023

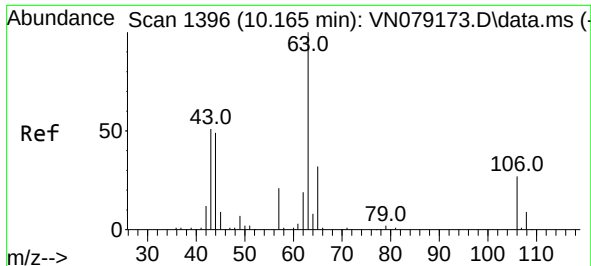


#54
1,2-Dibromoethane
Concen: 54.062 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20



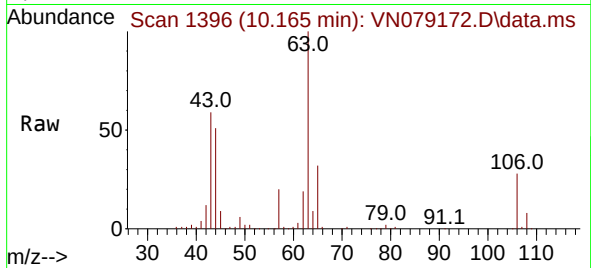
Tgt Ion:107 Resp: 113357
Ion Ratio Lower Upper
107 100
109 94.2 76.4 114.6





#55
2-Chloroethyl vinyl ether
Concen: 288.581 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

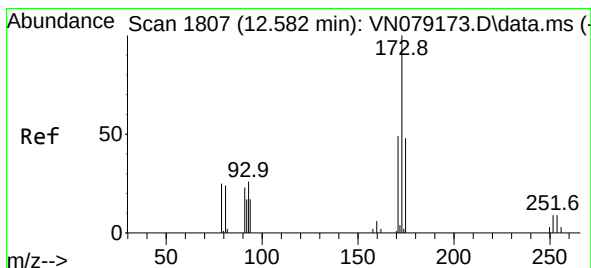
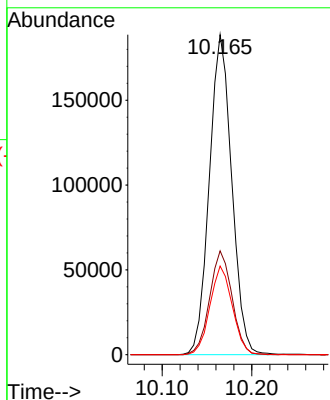
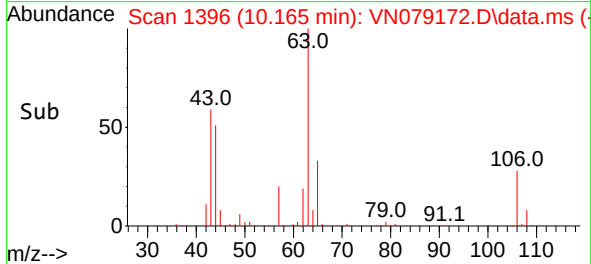
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 63 Resp: 327310
Ion Ratio Lower Upper
63 100
65 32.4 25.7 38.5
106 27.6 21.9 32.9

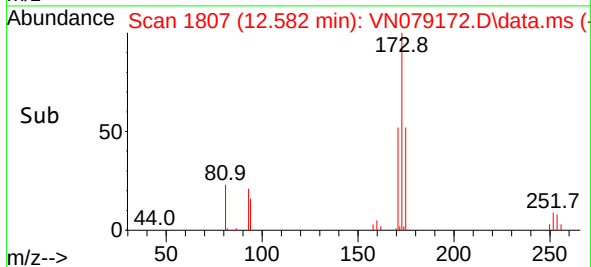
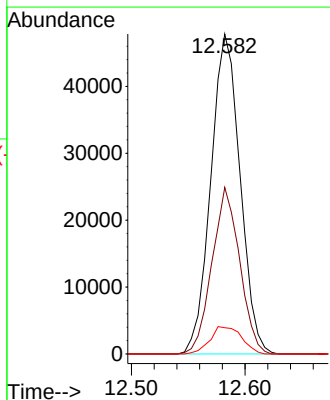
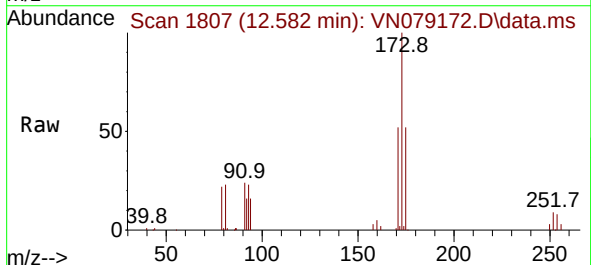
Manual Integrations
APPROVED

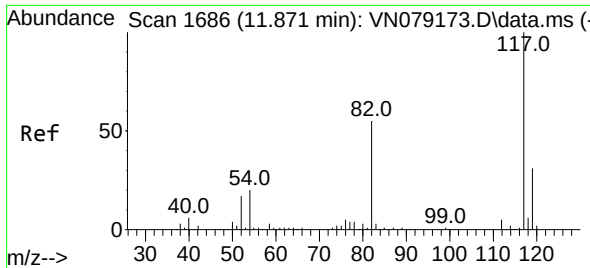
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#56
Bromoform
Concen: 56.704 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion:173 Resp: 85574
Ion Ratio Lower Upper
173 100
175 49.2 37.6 56.4
254 9.2 7.8 11.8





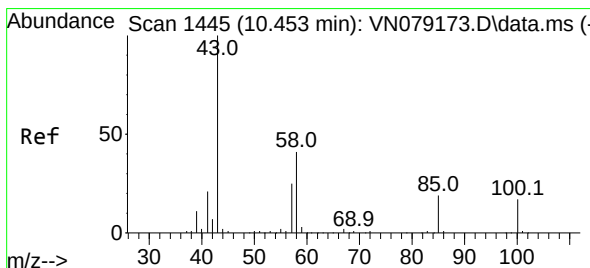
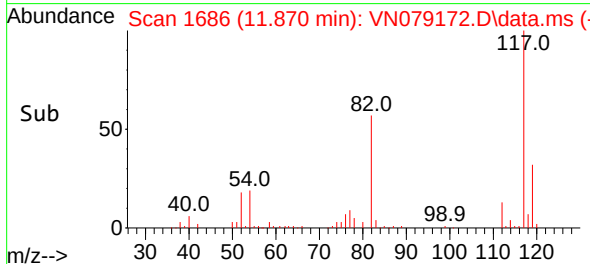
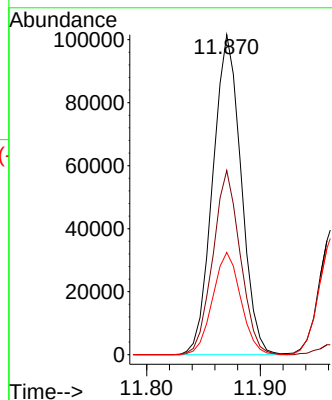
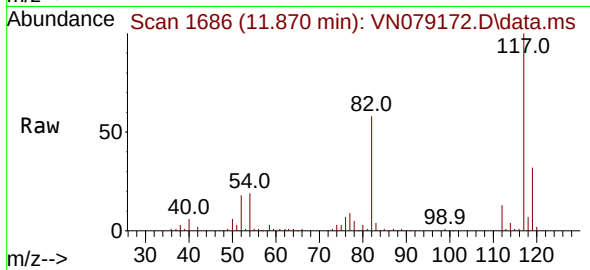
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:117 Resp: 17605
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 31.8 24.9 37.3

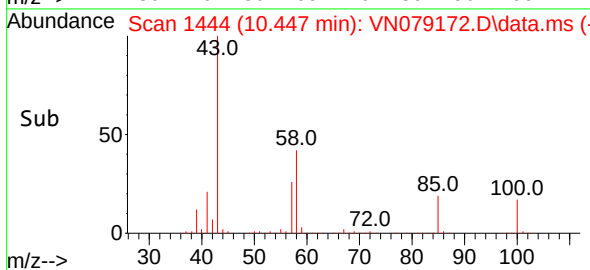
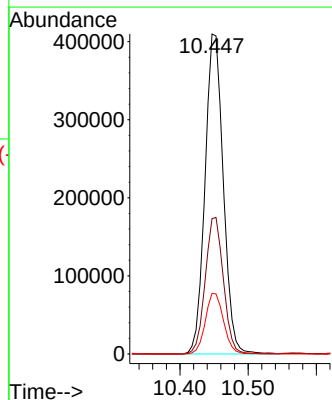
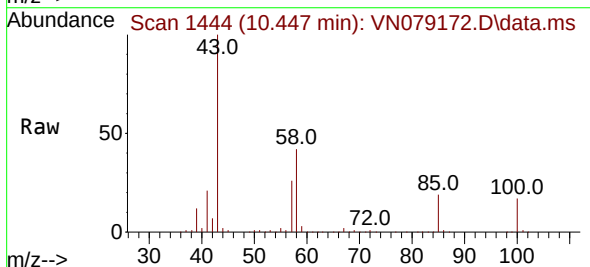
Manual Integrations
APPROVED

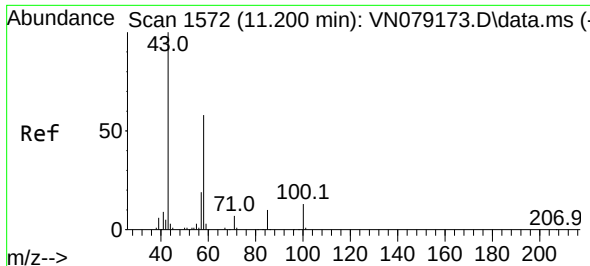
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#58
4-Methyl-2-Pentanone
Concen: 236.917 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

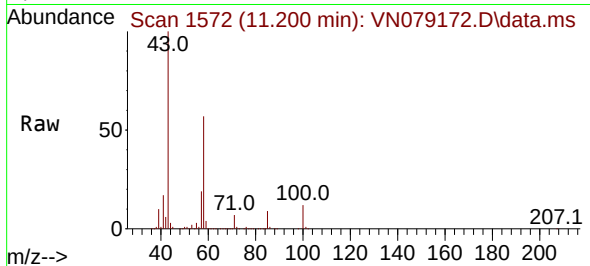
Tgt Ion: 43 Resp: 765419
Ion Ratio Lower Upper
43 100
58 42.4 33.6 50.4
85 18.9 15.0 22.4





#59
2-Hexanone
Concen: 229.803 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

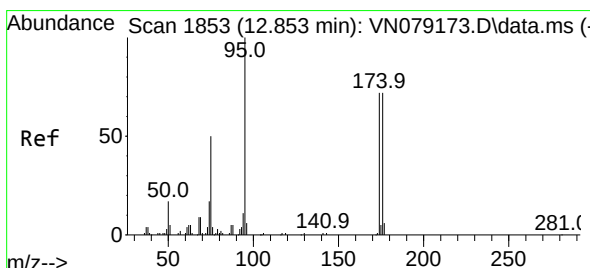
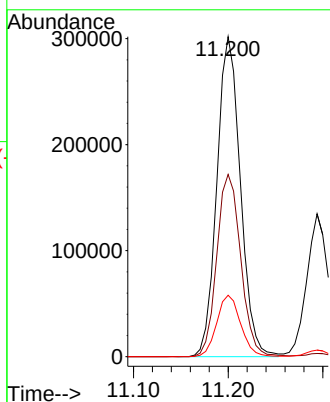
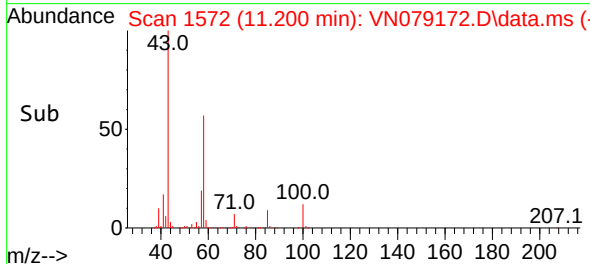
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC050



Tgt Ion: 43 Resp: 521400
Ion Ratio Lower Upper
43 100
58 57.9 46.4 69.6
57 19.5 15.3 22.9

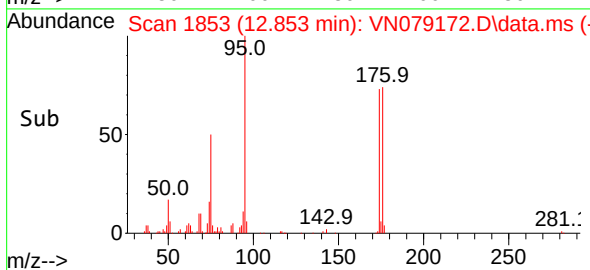
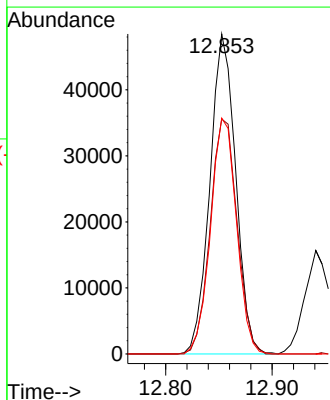
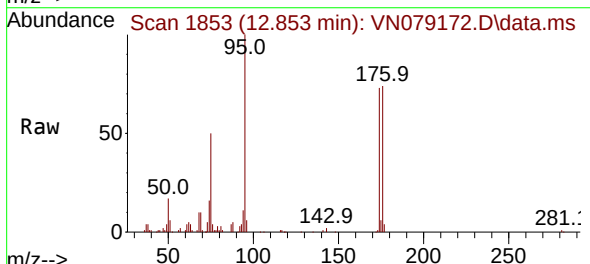
Manual Integrations
APPROVED

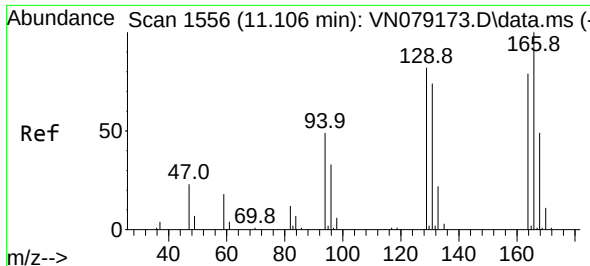
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#60
4-Bromofluorobenzene
Concen: 31.347 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

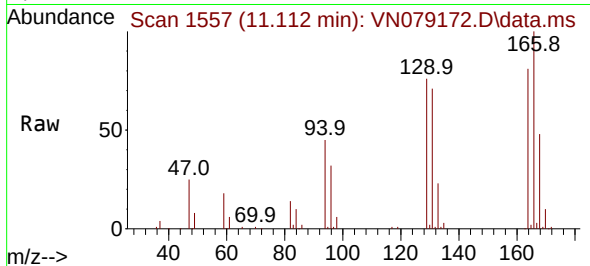
Tgt Ion: 95 Resp: 81317
Ion Ratio Lower Upper
95 100
174 76.9 59.5 89.3
176 74.2 59.1 88.7





#61
Tetrachloroethene
Concen: 45.263 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

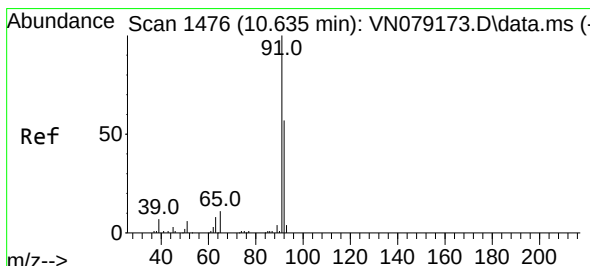
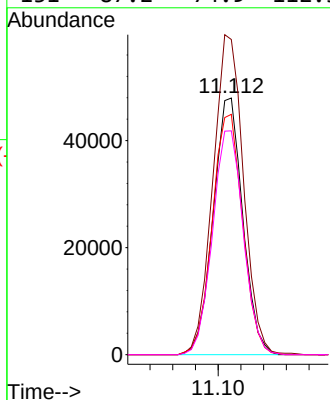
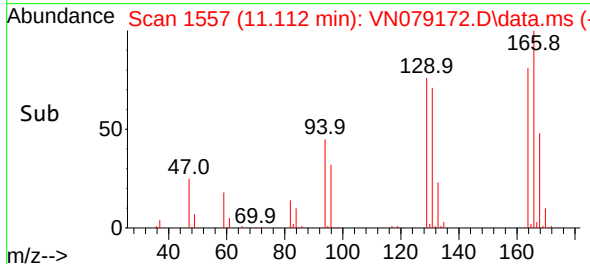
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:164 Resp: 8671
Ion Ratio Lower Upper
164 100
166 122.8 101.9 152.9
129 93.6 83.4 125.0
131 87.2 74.9 112.3

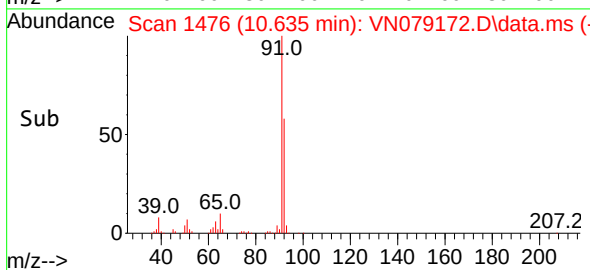
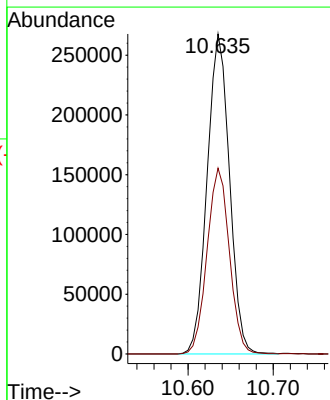
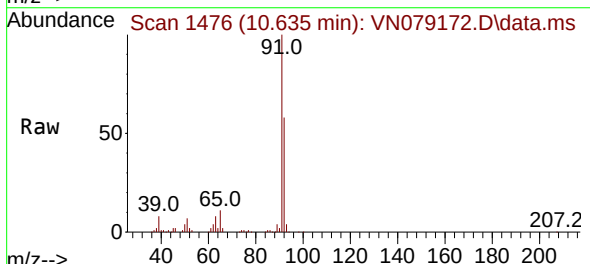
Manual Integrations
APPROVED

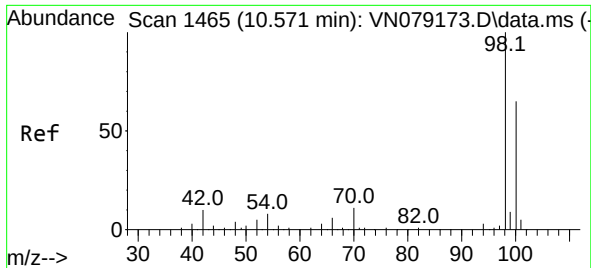
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#62
Toluene
Concen: 47.568 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 91 Resp: 487619
Ion Ratio Lower Upper
91 100
92 57.9 45.7 68.5





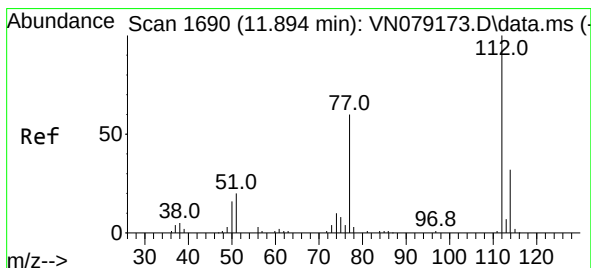
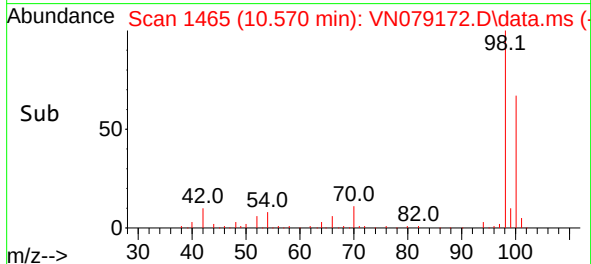
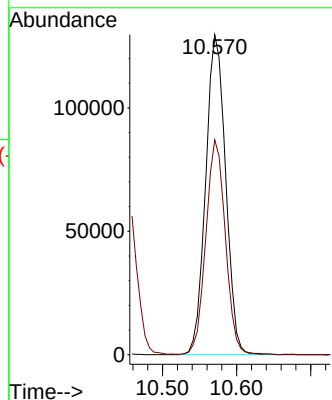
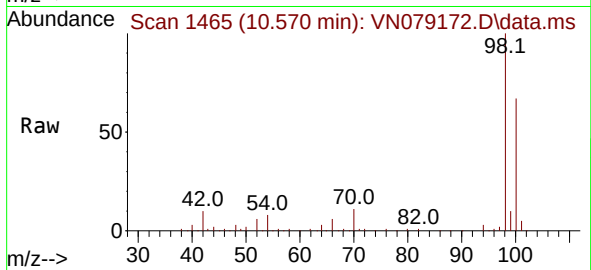
#63
Toluene-d8
Concen: 29.493 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 98 Resp: 242658
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

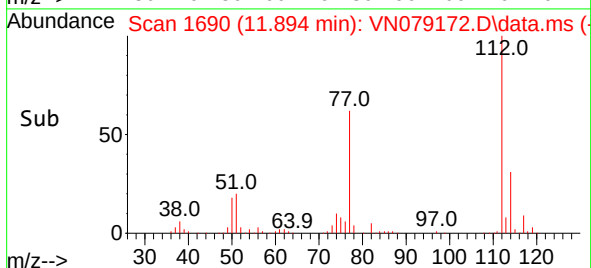
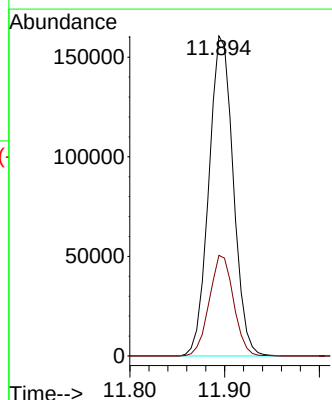
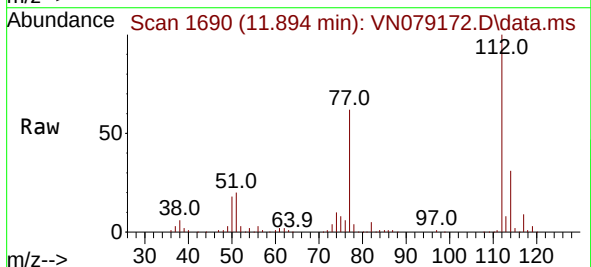
Manual Integrations
APPROVED

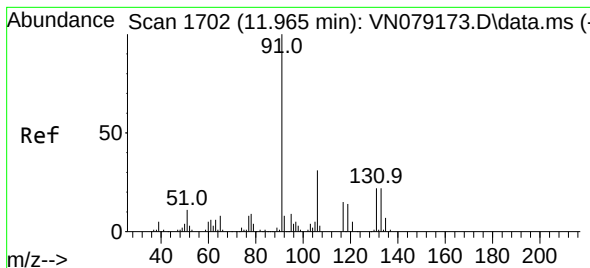
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#64
Chlorobenzene
Concen: 48.198 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion:112 Resp: 288232
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4





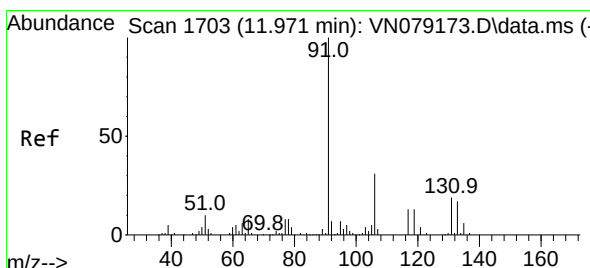
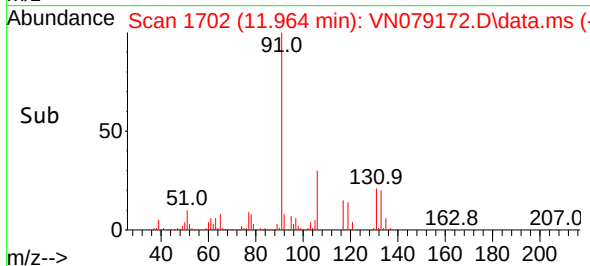
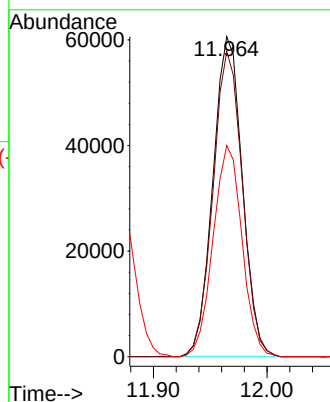
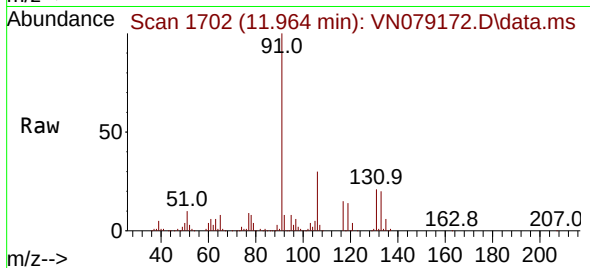
#65
1,1,1,2-Tetrachloroethane
Concen: 47.546 ug/l
RT: 11.964 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:131 Resp: 108850
Ion Ratio Lower Upper
131 100
133 95.7 0.0 193.0
119 65.1 0.0 131.2

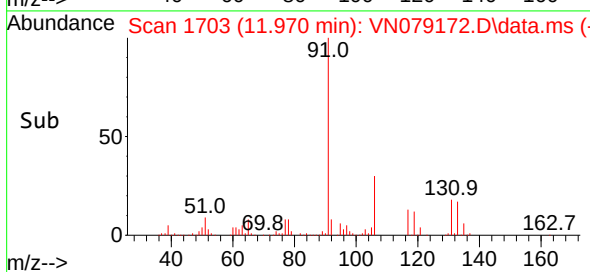
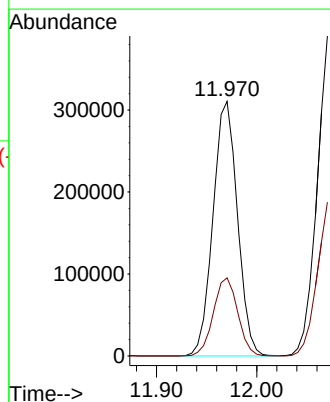
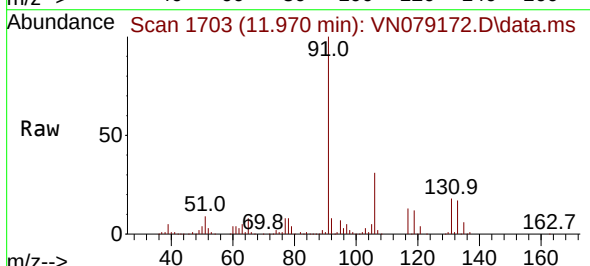
Manual Integrations
APPROVED

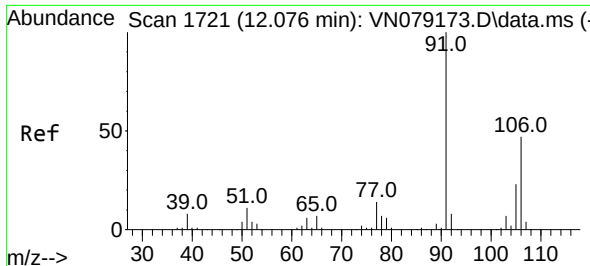
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#66
Ethyl Benzene
Concen: 51.004 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 91 Resp: 526428
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.6





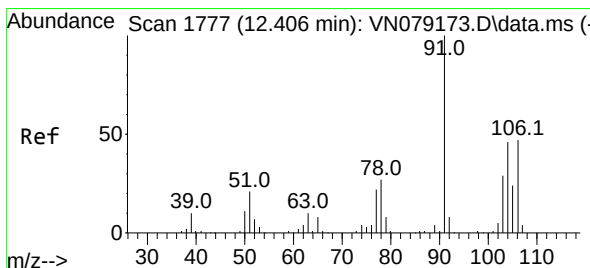
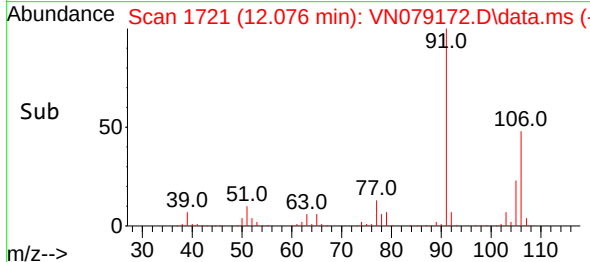
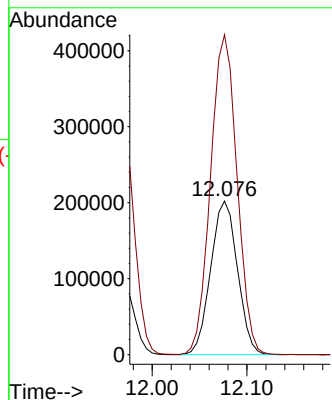
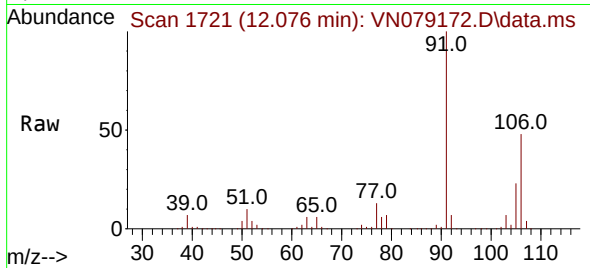
#67
m/p-Xylenes
Concen: 102.241 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 397065
Ion Ratio Lower Upper
106 100
91 206.0 165.2 247.8

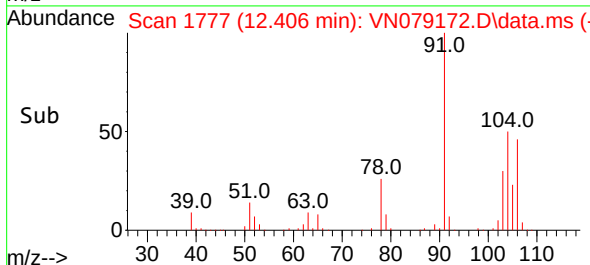
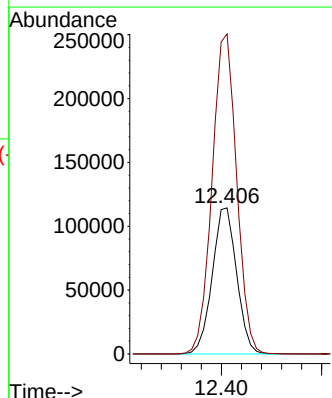
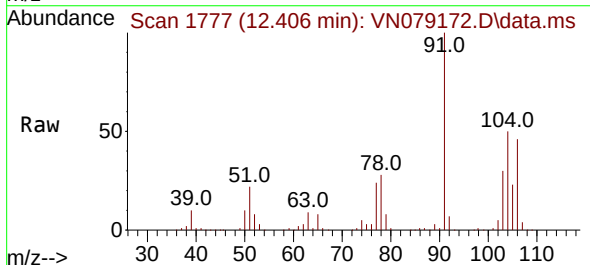
Manual Integrations
APPROVED

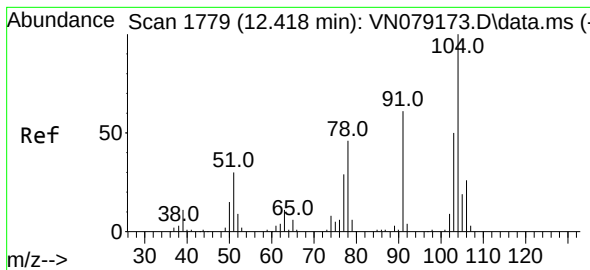
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#68
o-Xylene
Concen: 51.556 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion:106 Resp: 193179
Ion Ratio Lower Upper
106 100
91 220.5 109.7 329.1





#69

Styrene

Concen: 54.530 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

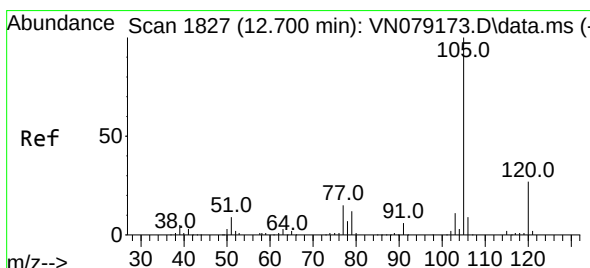
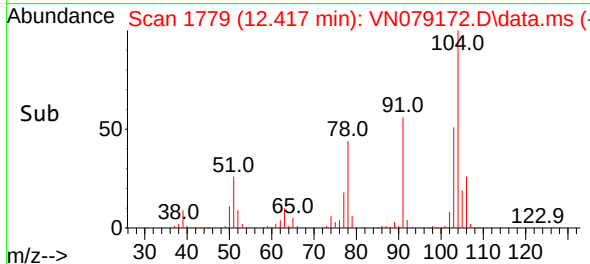
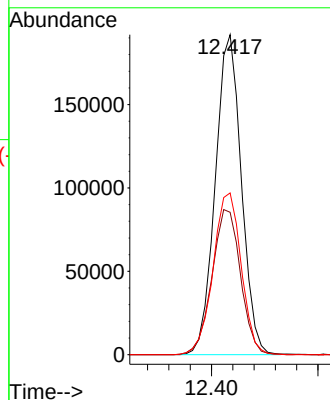
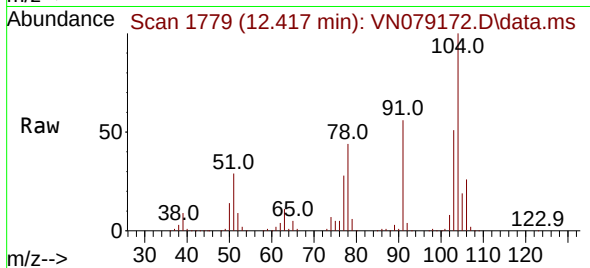
Tgt Ion:104 Resp: 325754
 Ion Ratio Lower Upper
 104 100
 78 49.7 40.5 60.7
 103 54.5 43.3 64.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#70

Isopropylbenzene

Concen: 51.118 ug/l

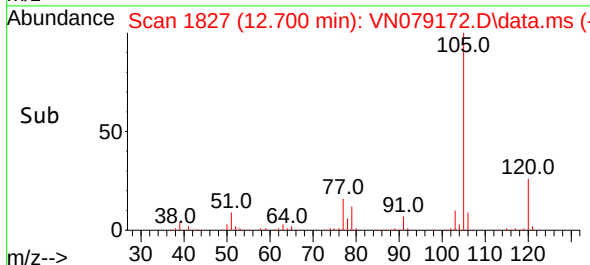
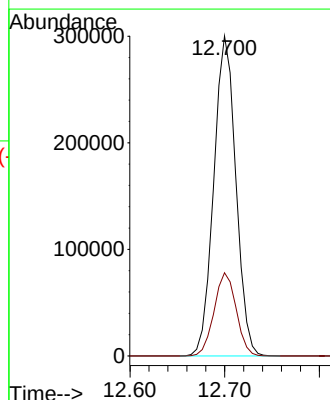
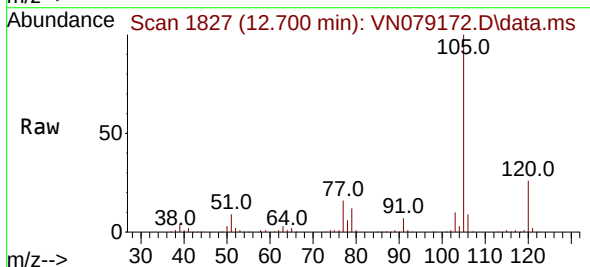
RT: 12.700 min Scan# 1827

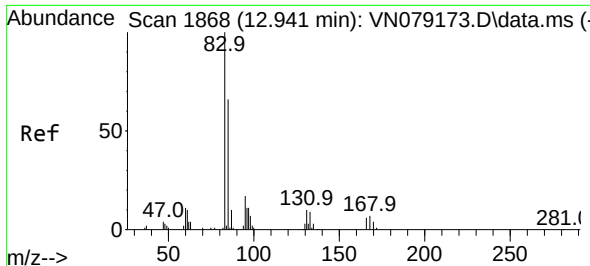
Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

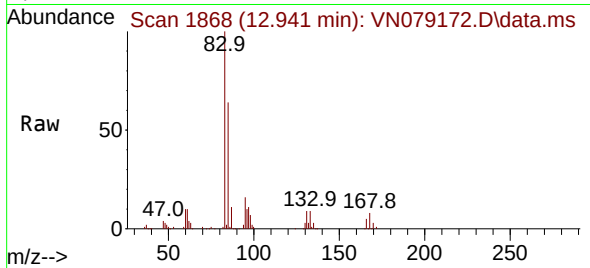
Tgt Ion:105 Resp: 486648
 Ion Ratio Lower Upper
 105 100
 120 25.9 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 47.107 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

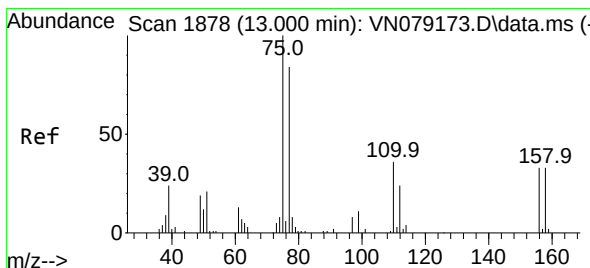
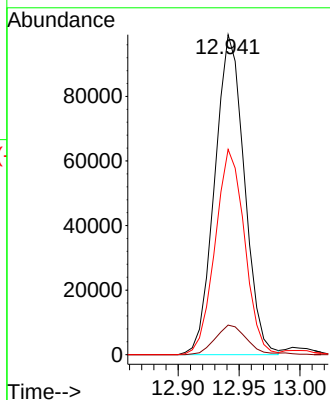
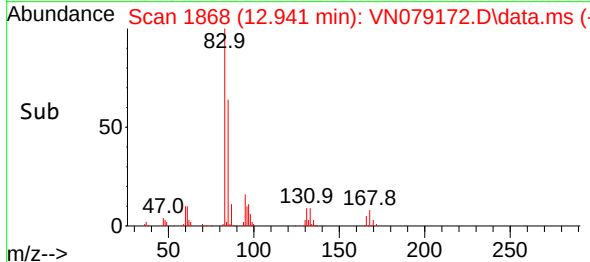
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



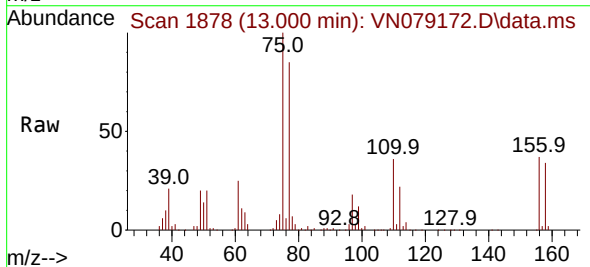
Tgt Ion: 83 Resp: 16776
Ion Ratio Lower Upper
83 100
131 9.6 4.9 14.6
85 63.8 33.1 99.3

Manual Integrations
APPROVED

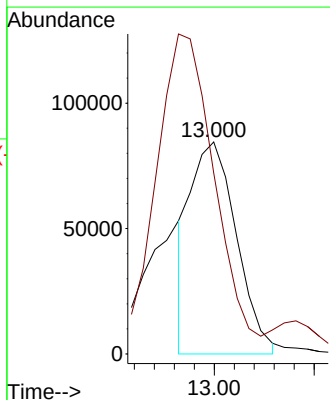
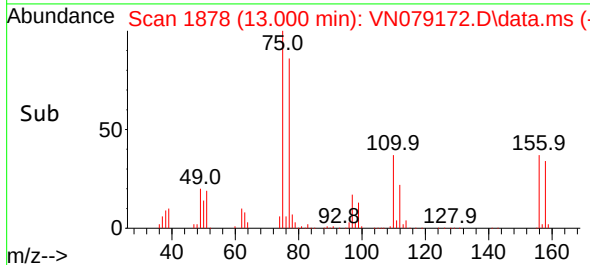
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023

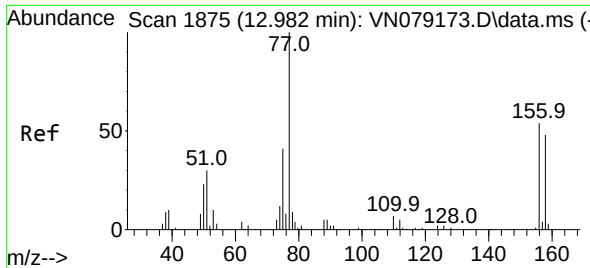


#72
1,2,3-Trichloropropane
Concen: 41.567 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20



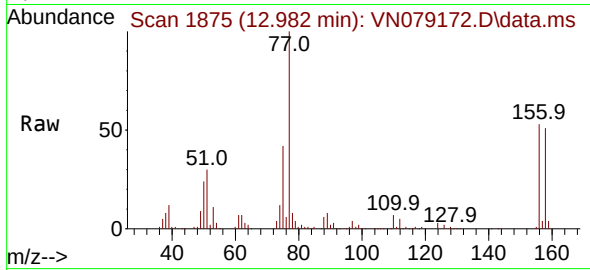
Tgt Ion: 75 Resp: 134758
Ion Ratio Lower Upper
75 100
77 194.0 0.0 252.2





#73
Bromobenzene
Concen: 50.228 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

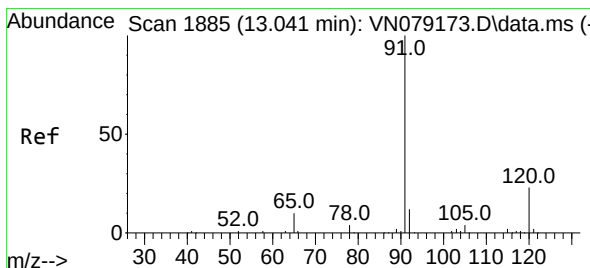
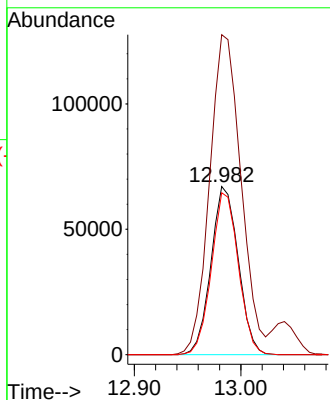
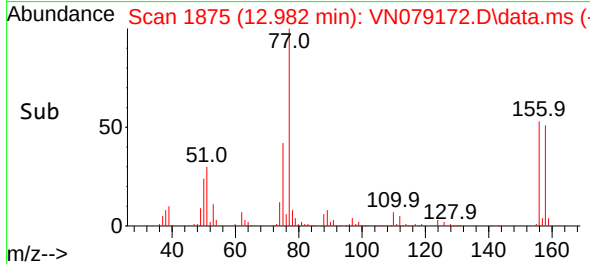
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



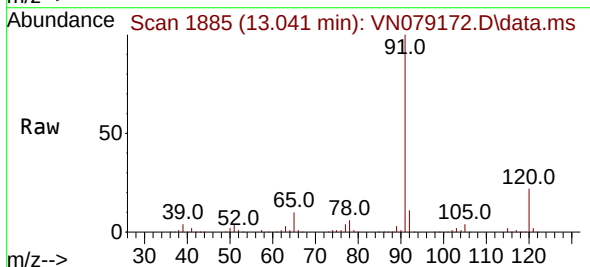
Tgt Ion:156 Resp: 11944
Ion Ratio Lower Upper
156 100
77 218.9 0.0 446.6
158 95.0 0.0 188.6

Manual Integrations
APPROVED

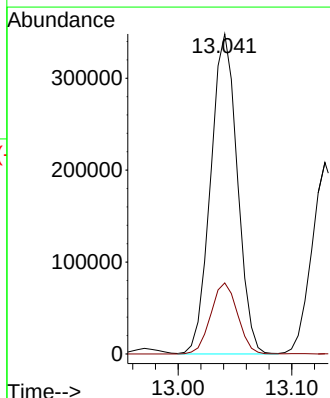
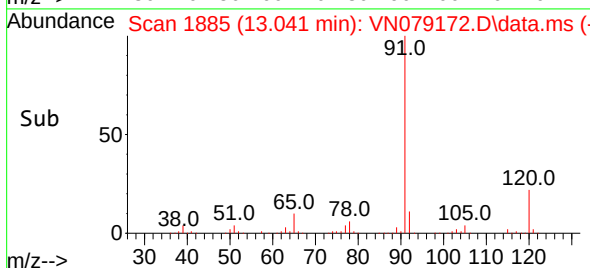
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023

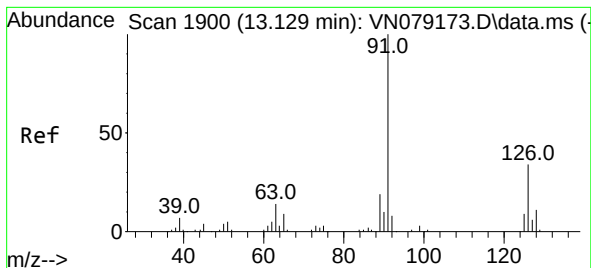


#74
n-propylbenzene
Concen: 52.488 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20



Tgt Ion: 91 Resp: 569342
Ion Ratio Lower Upper
91 100
120 22.2 0.0 44.0





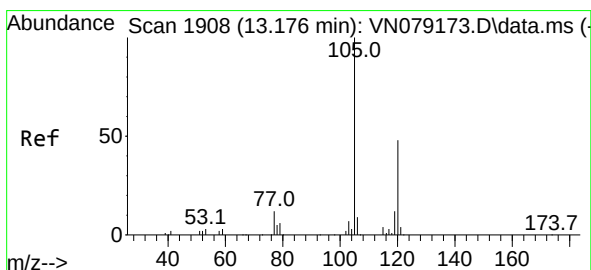
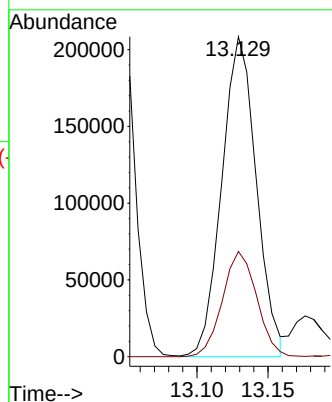
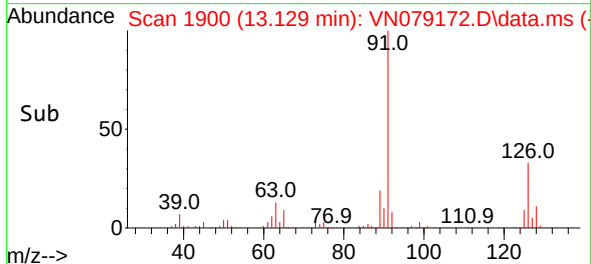
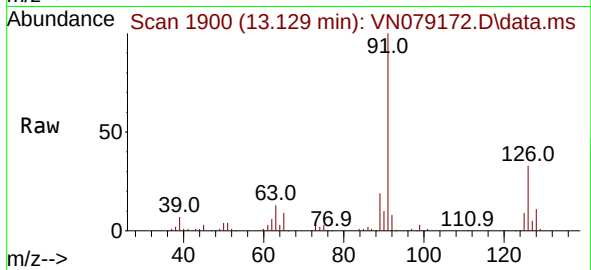
#75
2-Chlorotoluene
Concen: 50.592 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 35188
Ion Ratio Lower Upper
91 100
126 32.6 0.0 65.4

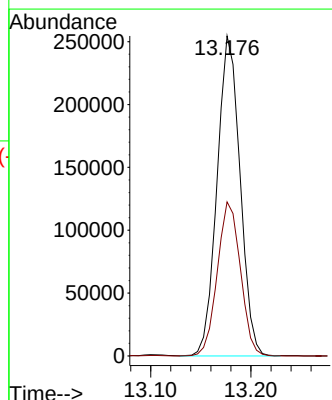
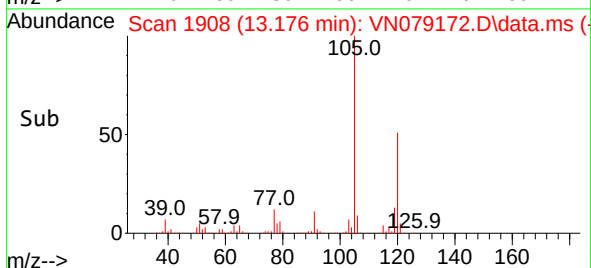
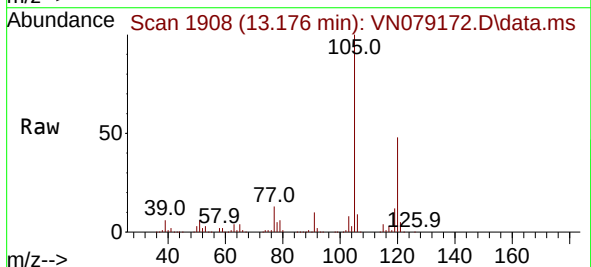
Manual Integrations
APPROVED

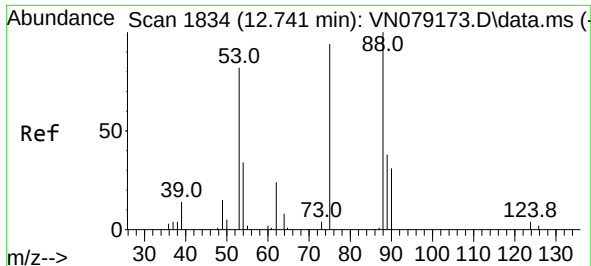
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#76
1,3,5-Trimethylbenzene
Concen: 51.589 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

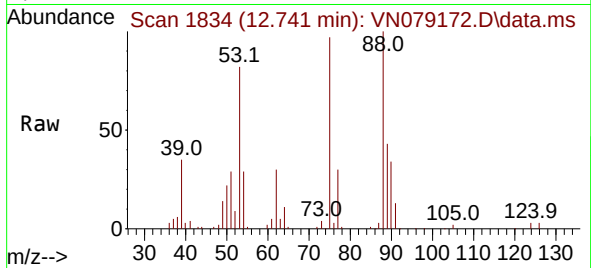
Tgt Ion:105 Resp: 406096
Ion Ratio Lower Upper
105 100
120 48.3 0.0 95.6





#77
t-1,4-Dichloro-2-butene
Concen: 52.371 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

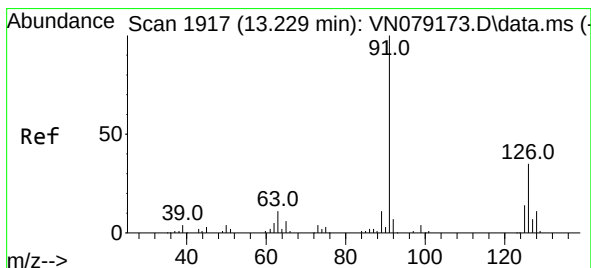
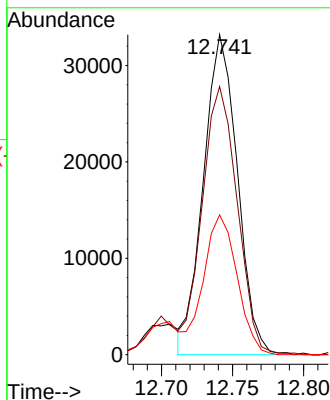
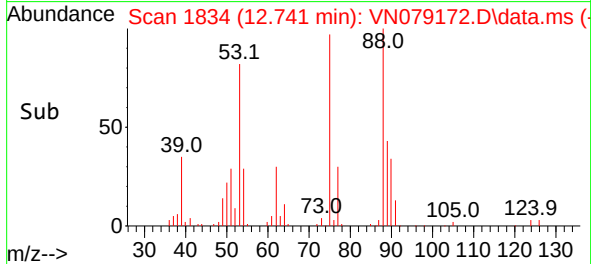
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 75 Resp: 5525
Ion Ratio Lower Upper
75 100
53 83.7 44.1 132.4
89 44.0 22.4 67.3

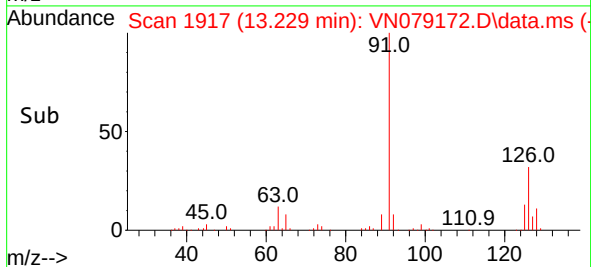
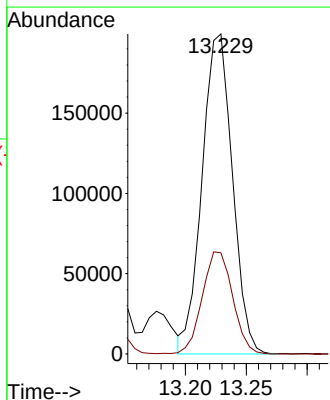
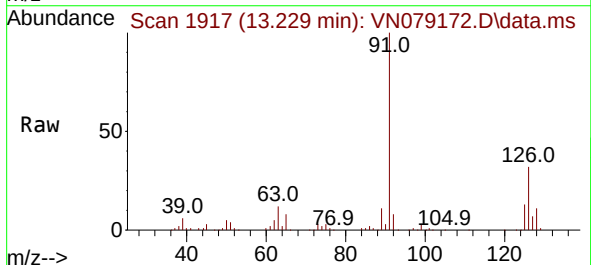
Manual Integrations
APPROVED

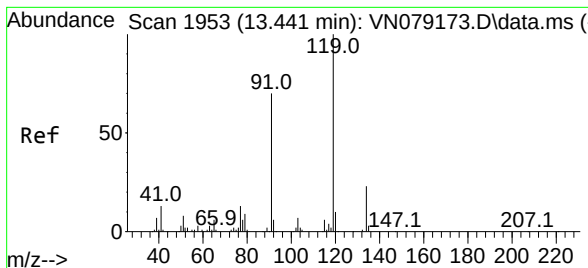
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#78
4-Chlorotoluene
Concen: 52.647 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion: 91 Resp: 345764
Ion Ratio Lower Upper
91 100
126 32.1 0.0 66.6





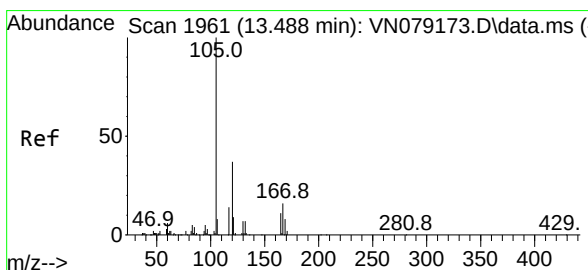
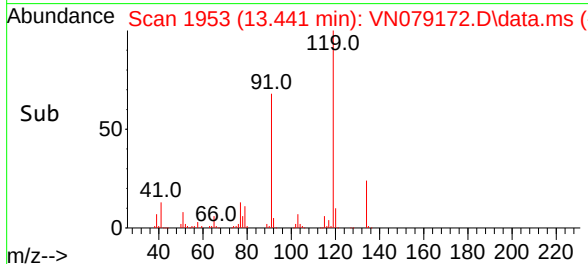
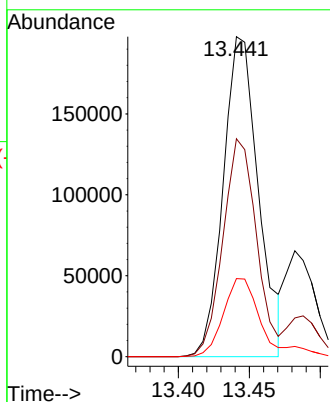
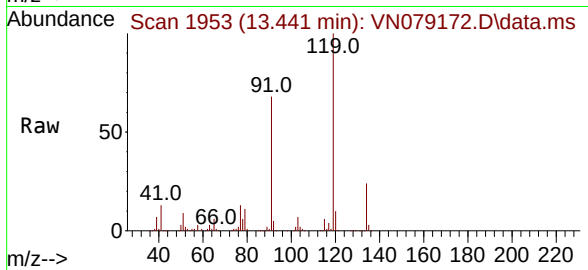
#79
tert-butylbenzene
Concen: 52.781 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 341030
Ion Ratio Lower Upper
119 100
91 65.2 0.0 130.8
134 24.1 0.0 48.8

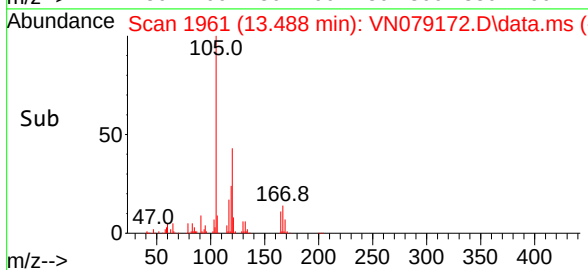
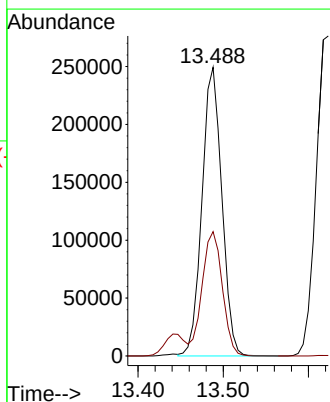
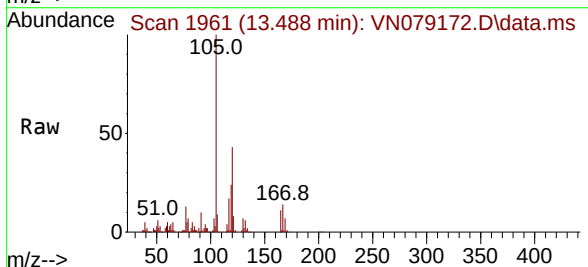
Manual Integrations
APPROVED

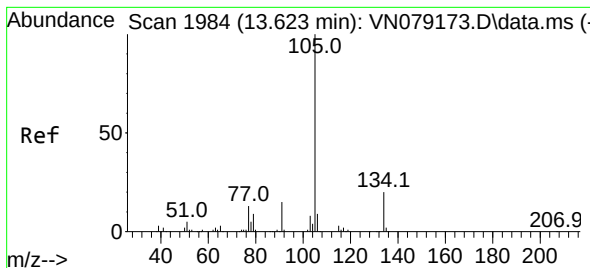
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#80
1,2,4-Trimethylbenzene
Concen: 53.600 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion:105 Resp: 402934
Ion Ratio Lower Upper
105 100
120 44.1 0.0 90.0





#81

sec-Butylbenzene

Concen: 52.066 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:105 Resp: 460283

Ion Ratio Lower Upper

105 100

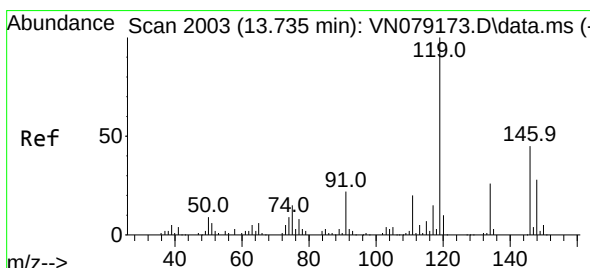
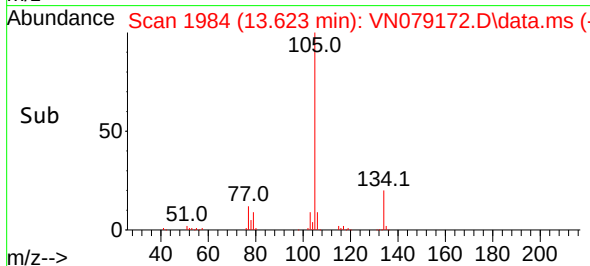
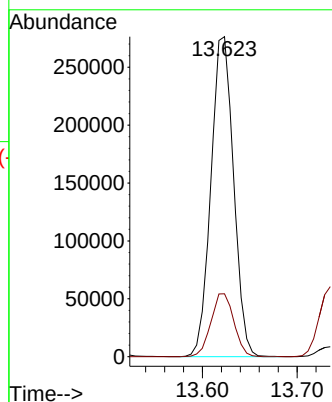
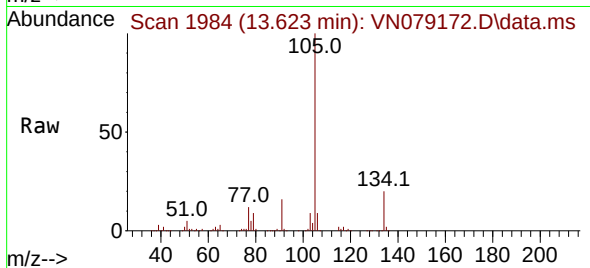
134 19.9 0.0 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#82

p-Isopropyltoluene

Concen: 51.967 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

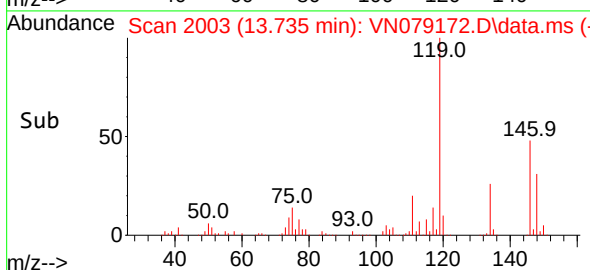
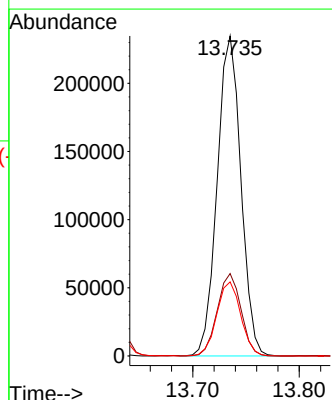
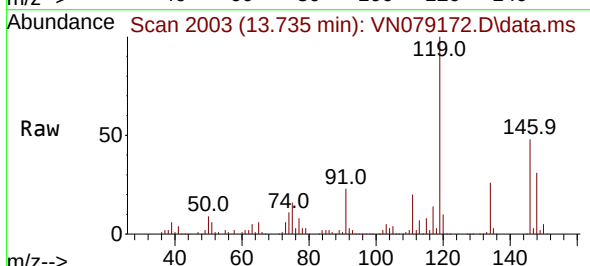
Tgt Ion:119 Resp: 362883

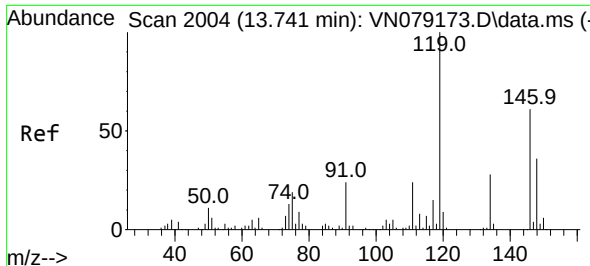
Ion Ratio Lower Upper

119 100

134 25.7 0.0 53.8

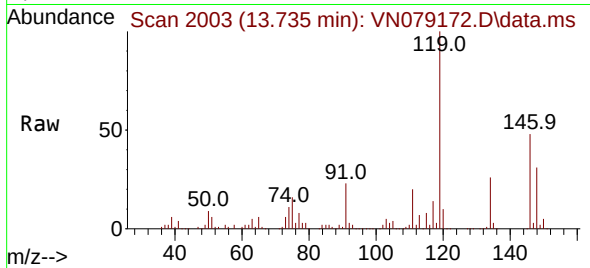
91 23.5 0.0 48.0





#83
 1,3-Dichlorobenzene
 Concen: 51.831 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.006 min
 Lab File: VN079172.D
 Acq: 07 Sep 2023 10:20

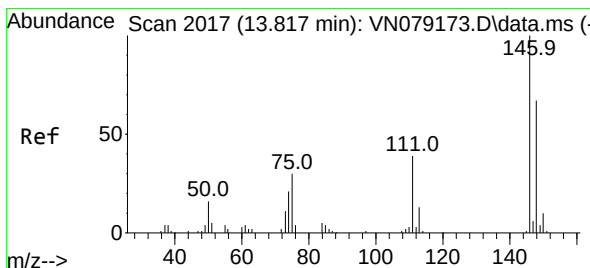
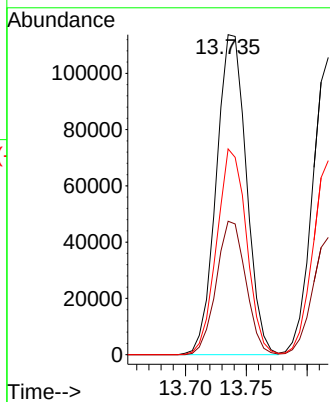
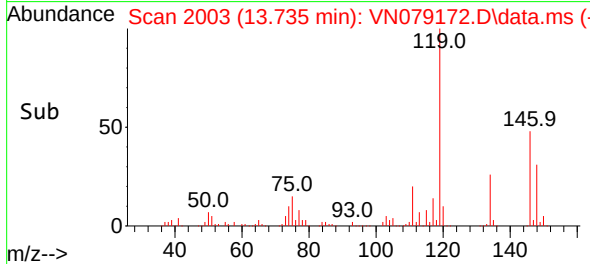
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



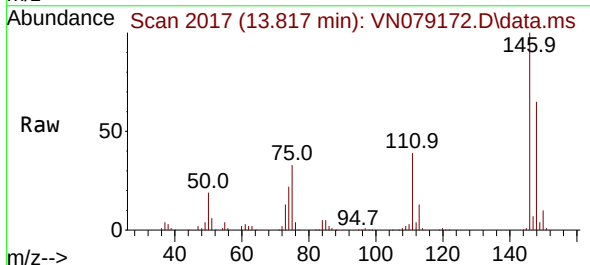
Tgt Ion:146 Resp: 195749
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.5
 148 63.6 31.8 95.3

Manual Integrations
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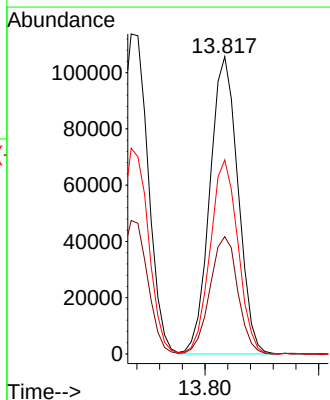
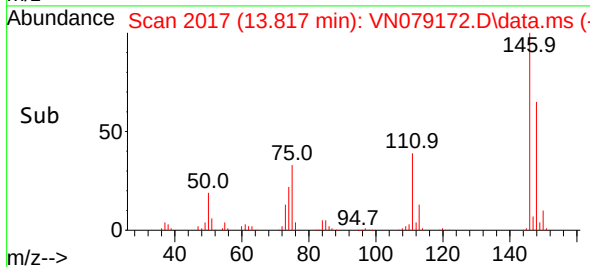
Reviewed By :John Carlone 09/08/2023
 Supervised By :Mahesh Dadoda 09/08/2023

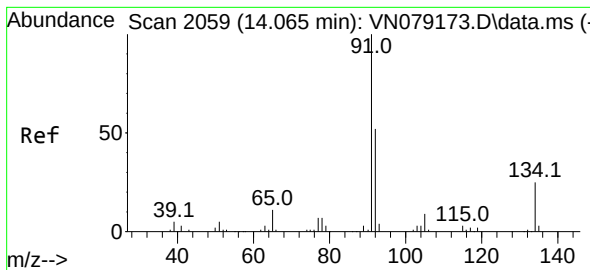


#84
 1,4-Dichlorobenzene
 Concen: 51.407 ug/l
 RT: 13.817 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VN079172.D
 Acq: 07 Sep 2023 10:20



Tgt Ion:146 Resp: 182085
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.5 58.5
 148 64.2 32.1 96.5





#85

n-Butylbenzene

Concen: 55.371 ug/l

RT: 14.058 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 91 Resp: 29448

Ion Ratio Lower Upper

91 100

92 52.9 0.0 105.0

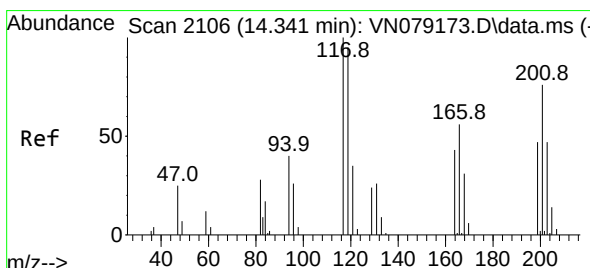
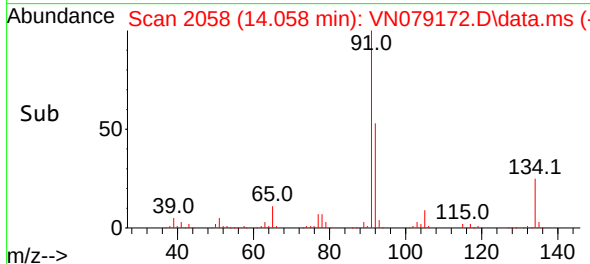
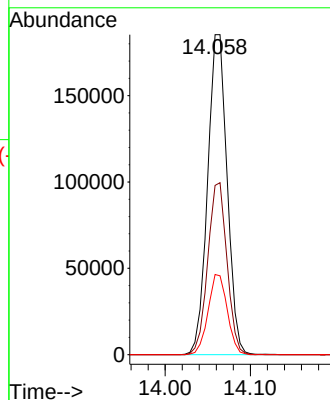
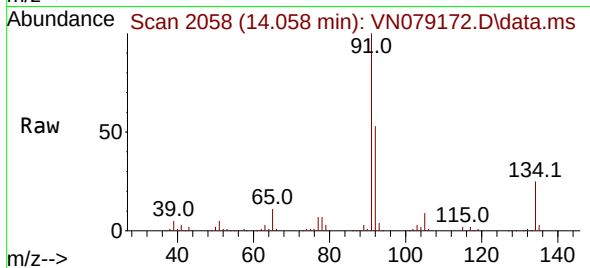
134 24.6 0.0 49.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#86

Hexachloroethane

Concen: 50.891 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. -0.000 min

Lab File: VN079172.D

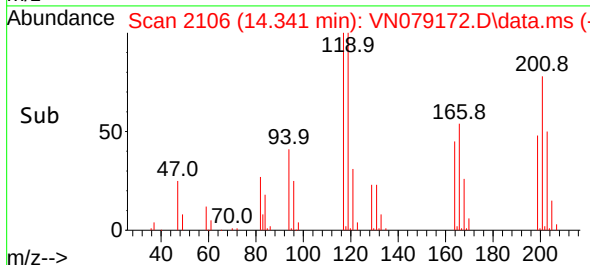
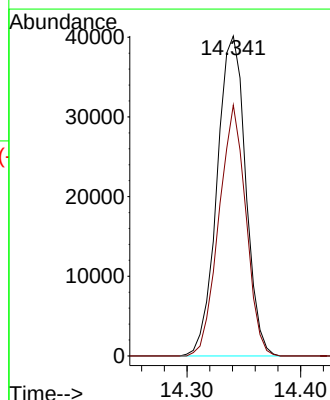
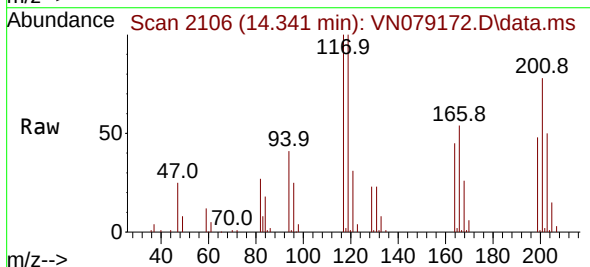
Acq: 07 Sep 2023 10:20

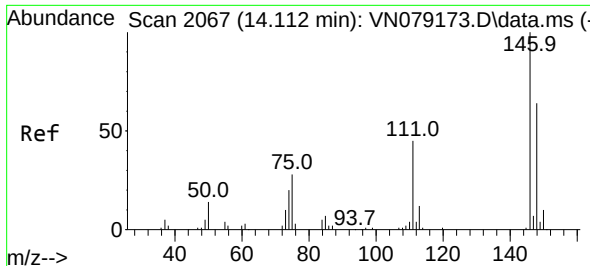
Tgt Ion:117 Resp: 70361

Ion Ratio Lower Upper

117 100

201 73.8 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 50.243 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN079172.D

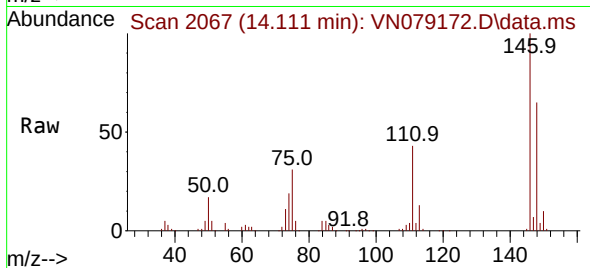
Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050



Tgt Ion:146 Resp: 187240

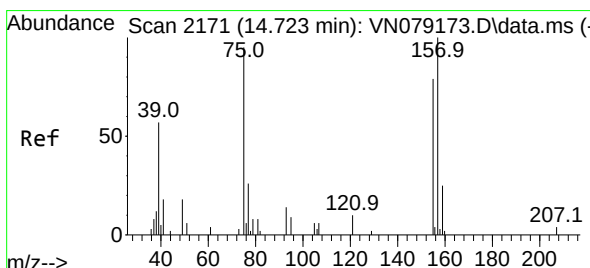
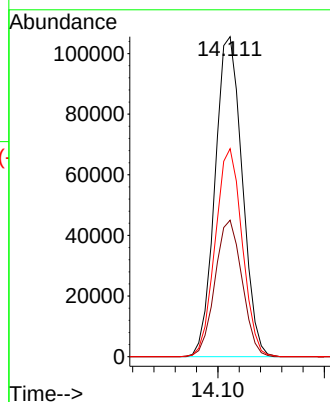
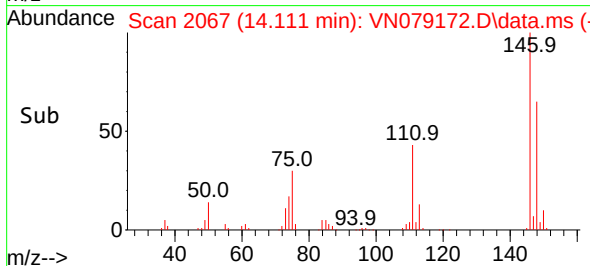
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.4	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 49.900 ug/l

RT: 14.723 min Scan# 2171

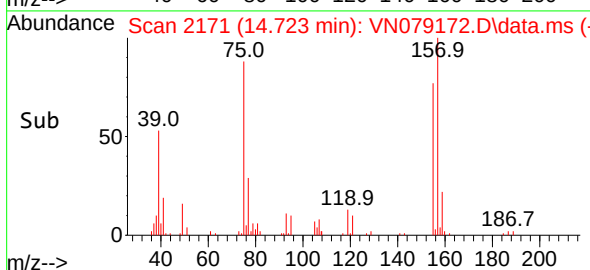
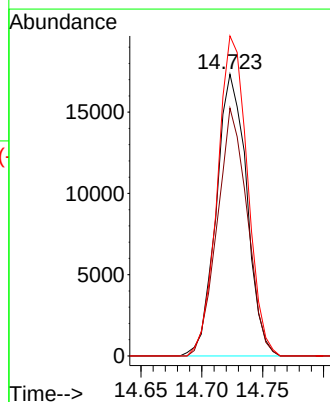
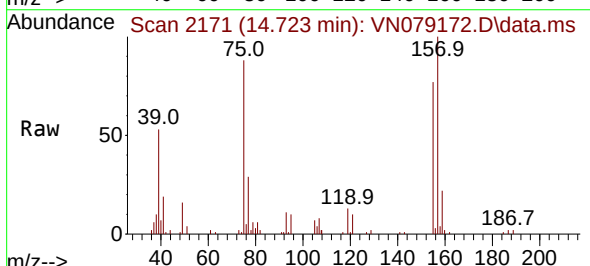
Delta R.T. -0.000 min

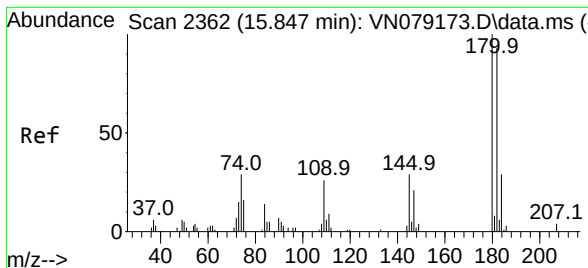
Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Tgt Ion: 75 Resp: 30038

Ion	Ratio	Lower	Upper
75	100		
155	86.7	68.1	102.1
157	112.4	83.9	125.9





#89

1,2,4-Trichlorobenzene

Concen: 59.149 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:180 Resp: 94418

Ion Ratio Lower Upper

180 100

182 94.0 74.5 111.7

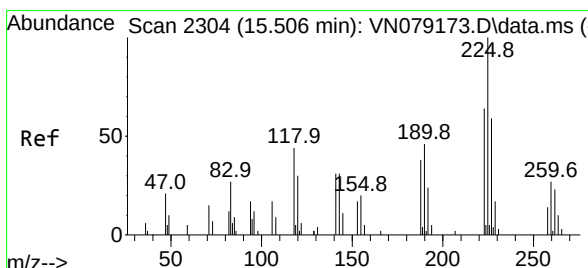
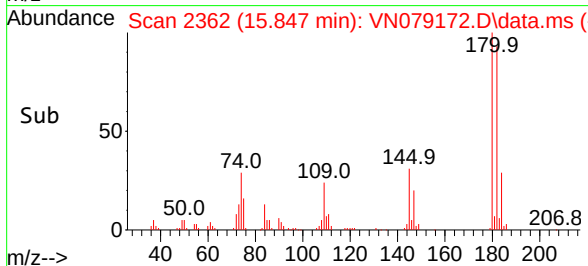
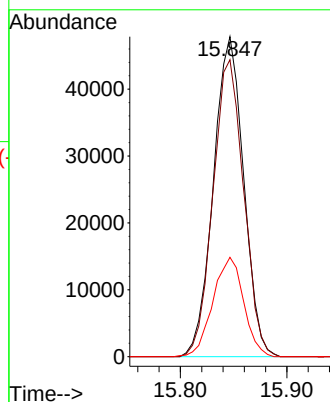
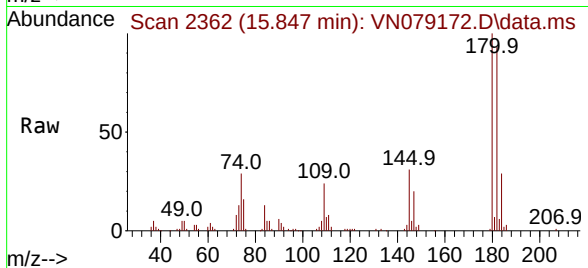
145 31.6 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/08/2023

Supervised By :Mahesh Dadoda 09/08/2023



#90

Hexachlorobutadiene

Concen: 49.634 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN079172.D

Acq: 07 Sep 2023 10:20

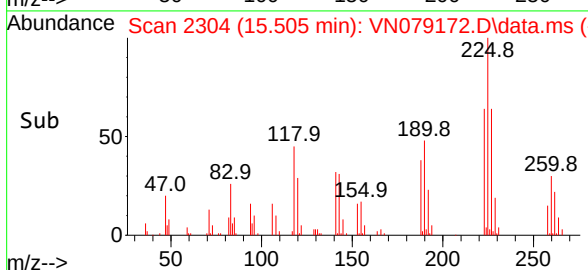
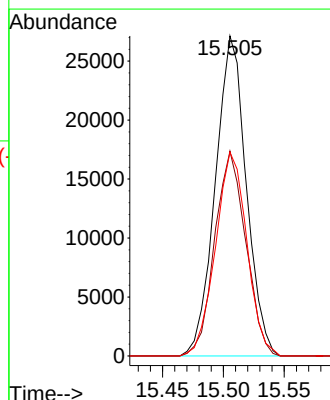
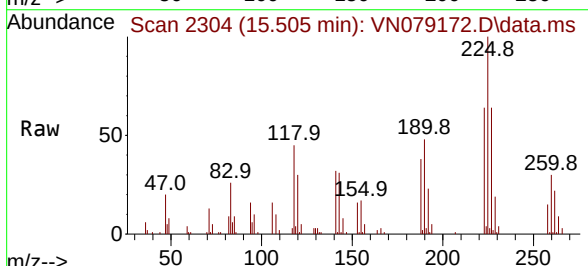
Tgt Ion:225 Resp: 47999

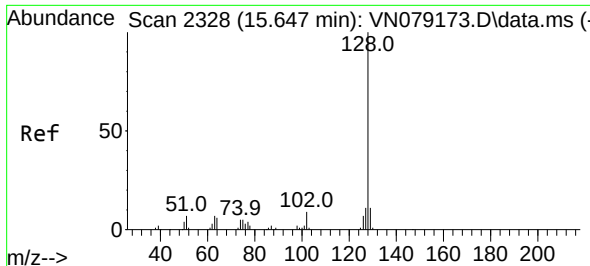
Ion Ratio Lower Upper

225 100

223 64.3 0.0 125.6

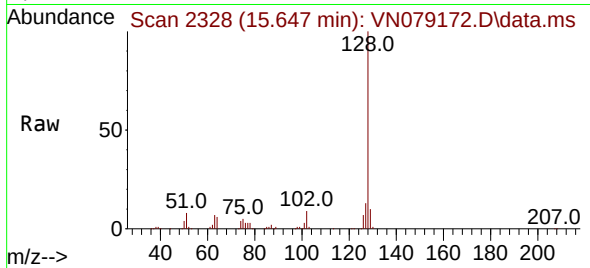
227 64.6 0.0 124.0





#91
Naphthalene
Concen: 65.417 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

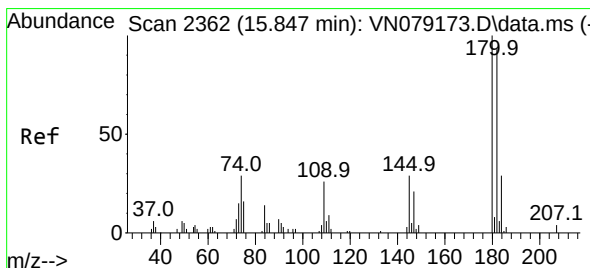
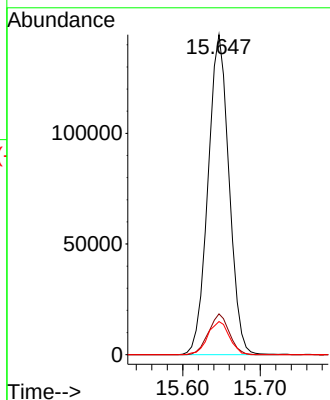
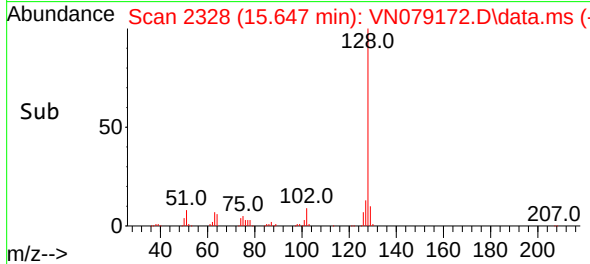
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:128 Resp: 272640
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.6 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/08/2023



#92
1,2,3-Trichlorobenzene
Concen: 59.149 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN079172.D
Acq: 07 Sep 2023 10:20

Tgt Ion:180 Resp: 94418
Ion Ratio Lower Upper
180 100
182 94.0 0.0 186.2
145 31.6 0.0 65.4

