

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079512.D
 Acq On : 11 Oct 2023 13:02
 Operator : JC\MD
 Sample : VN1011WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 06:06:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	256588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	461476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	403082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	207934	49.980	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.960%		
35) Dibromofluoromethane	8.171	113	162536	49.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.020%		
50) Toluene-d8	10.571	98	609315	50.779	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.560%		
62) 4-Bromofluorobenzene	12.853	95	189480	49.204	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	70552	19.189	ug/l	100
3) Chloromethane	2.365	50	80475	17.541	ug/l	99
4) Vinyl Chloride	2.518	62	87403	18.316	ug/l	98
5) Bromomethane	2.953	94	47464	16.615	ug/l	96
6) Chloroethane	3.118	64	58629	16.297	ug/l	99
7) Trichlorofluoromethane	3.495	101	108969	19.340	ug/l	97
8) Diethyl Ether	3.965	74	39530	19.680	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.371	101	60265	18.303	ug/l	99
10) Methyl Iodide	4.589	142	53866	18.853	ug/l	97
11) Tert butyl alcohol	5.530	59	53506	85.450	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	57131	18.845	ug/l	91
13) Acrolein	4.183	56	54194	86.920	ug/l	98
14) Allyl chloride	5.030	41	88037	17.995	ug/l	89
15) Acrylonitrile	5.724	53	170251	93.783	ug/l	100
16) Acetone	4.436	43	161058	97.602	ug/l	97
17) Carbon Disulfide	4.718	76	159414	16.858	ug/l	100
18) Methyl Acetate	5.036	43	142303	17.619	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	197574	20.058	ug/l #	91
20) Methylene Chloride	5.283	84	70569	19.158	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	63731	17.999	ug/l	93
22) Diisopropyl ether	6.677	45	213515	19.463	ug/l #	89
23) Vinyl Acetate	6.606	43	608314	98.580	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	124274	18.510	ug/l	97
25) 2-Butanone	7.494	43	227713	92.976	ug/l #	83
26) 2,2-Dichloropropane	7.500	77	104435	20.354	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	73904	19.213	ug/l	85
28) Bromochloromethane	7.818	49	54599	17.092	ug/l #	79
29) Tetrahydrofuran	7.847	42	146462	92.464	ug/l #	77
30) Chloroform	7.971	83	128468	18.938	ug/l	91
31) Cyclohexane	8.265	56	104782	17.756	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	109938	19.258	ug/l	96
36) 1,1-Dichloropropene	8.377	75	92090	18.502	ug/l	96
37) Ethyl Acetate	7.565	43	93146	18.807	ug/l #	90
38) Carbon Tetrachloride	8.365	117	94057	18.876	ug/l	97
39) Methylcyclohexane	9.606	83	89921	18.804	ug/l #	87
40) Benzene	8.612	78	284566	19.251	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	49074	18.847	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	99743	18.570	ug/l	97
43) Isopropyl Acetate	8.694	43	167909	19.351	ug/l #	85
44) Trichloroethene	9.359	130	66987	19.254	ug/l	97
45) 1,2-Dichloropropane	9.624	63	74465	19.120	ug/l	94
46) Dibromomethane	9.712	93	49913	19.788	ug/l	97
47) Bromodichloromethane	9.894	83	100251	19.321	ug/l	97
48) Methyl methacrylate	9.682	41	67878	18.256	ug/l #	83
49) 1,4-Dioxane	9.706	88	27381	399.797	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	468848	95.721	ug/l	90
52) Toluene	10.635	92	173287	19.915	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	102599	19.622	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	111884	19.546	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	67205	19.239	ug/l	94
56) Ethyl methacrylate	10.876	69	96753	20.156	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	117550	19.488	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	178652	97.184	ug/l	91
59) 2-Hexanone	11.200	43	339122	95.947	ug/l	88
60) Dibromochloromethane	11.359	129	70446	20.066	ug/l	99
61) 1,2-Dibromoethane	11.471	107	66793	19.267	ug/l	99
64) Tetrachloroethene	11.106	164	52292	18.858	ug/l	98
65) Chlorobenzene	11.894	112	176729	19.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	64884	19.741	ug/l	97
67) Ethyl Benzene	11.965	91	312891	20.054	ug/l	97
68) m/p-Xylenes	12.070	106	237265	41.852	ug/l	97
69) o-Xylene	12.400	106	112670	20.209	ug/l	94
70) Styrene	12.412	104	180330	20.477	ug/l	98
71) Bromoform	12.582	173	46103	19.165	ug/l #	98
73) Isopropylbenzene	12.700	105	284611	18.583	ug/l	100
74) N-amyl acetate	12.500	43	113400	18.061	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	98450	19.166	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	87228m	18.377	ug/l	
77) Bromobenzene	12.982	156	66407	17.683	ug/l	96
78) n-propylbenzene	13.041	91	332186	19.170	ug/l	97
79) 2-Chlorotoluene	13.129	91	202493	18.262	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	234154	19.388	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	28948	17.695	ug/l	85
82) 4-Chlorotoluene	13.223	91	194680	18.451	ug/l	97
83) tert-Butylbenzene	13.441	119	188255	19.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	227954	19.778	ug/l	99
85) sec-Butylbenzene	13.617	105	264031	19.130	ug/l	99
86) p-Isopropyltoluene	13.735	119	213850	20.197	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	112790	18.936	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	108199	17.593	ug/l	99
89) n-Butylbenzene	14.059	91	158813	18.783	ug/l	98
90) Hexachloroethane	14.341	117	43449	19.577	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	107128	18.439	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14755	16.661	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	29812	16.567	ug/l	99
94) Hexachlorobutadiene	15.506	225	25353	18.090	ug/l	97
95) Naphthalene	15.641	128	78254	14.241	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	34311	15.978	ug/l	100

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Manual Integrations
APPROVED

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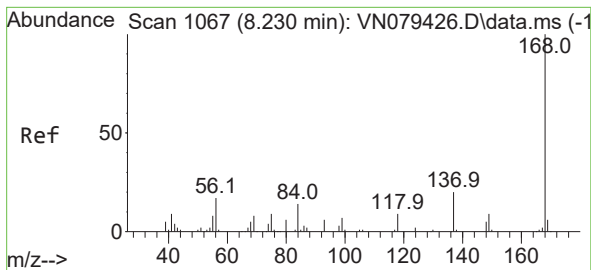
Quant Time: Oct 12 06:06:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Supervised By :Mahesh Dadoda 10/12/2023

[illegible]



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion:168 Resp: 25658

Ion Ratio Lower Upper

168 100

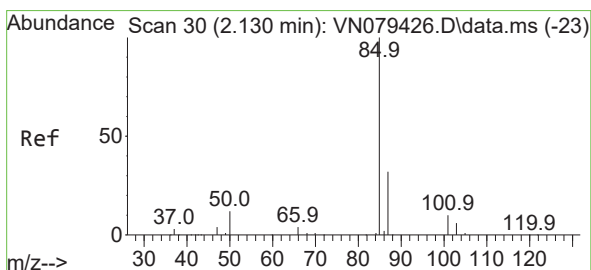
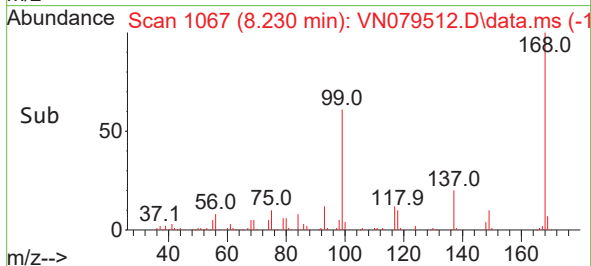
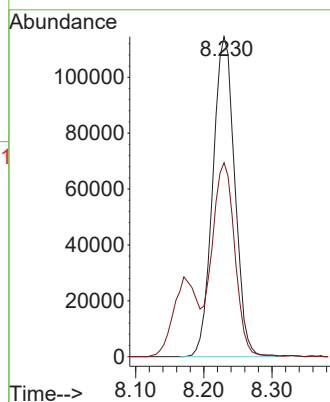
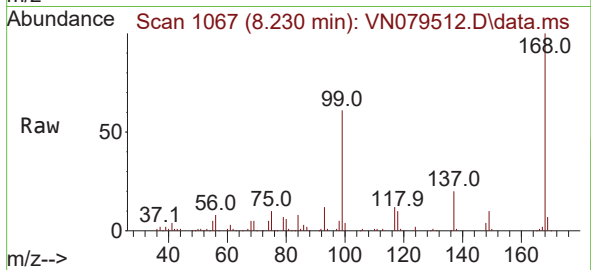
99 60.3 53.0 79.6

Manual Integrations

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Supervised By :Mahesh Dadoda 10/12/2023



#2

Dichlorodifluoromethane

Concen: 19.189 ug/l

RT: 2.124 min Scan# 29

Delta R.T. -0.006 min

Lab File: VN079512.D

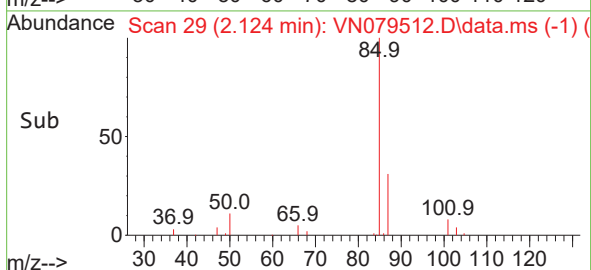
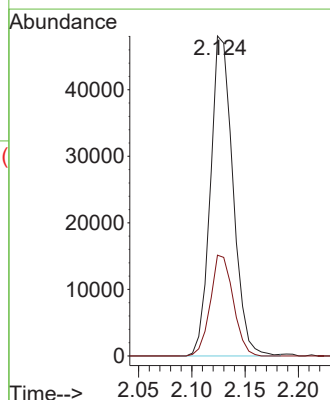
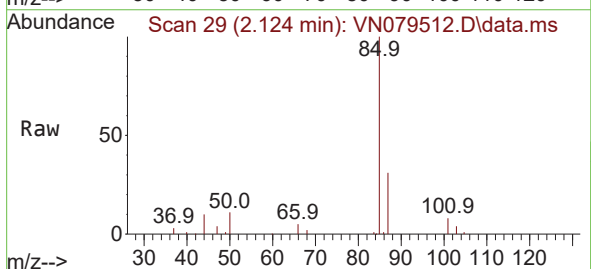
Acq: 11 Oct 2023 13:02

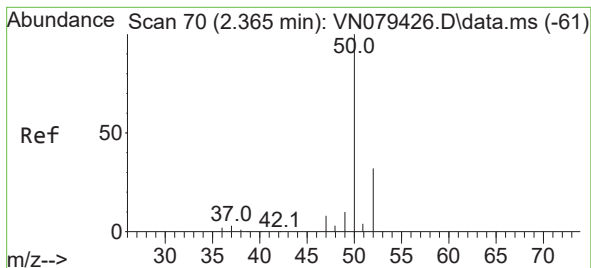
Tgt Ion: 85 Resp: 70552

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.4





#3

Chloromethane

Concen: 17.541 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 50 Resp: 80475

Ion Ratio Lower Upper

50 100

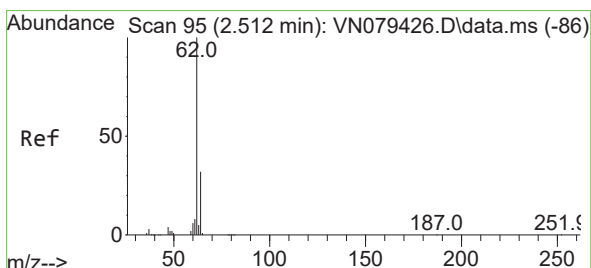
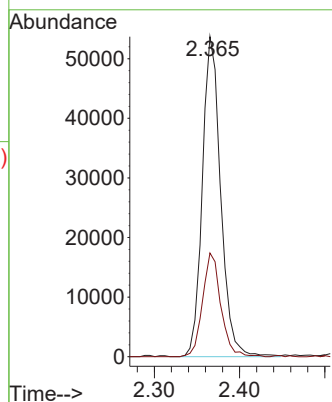
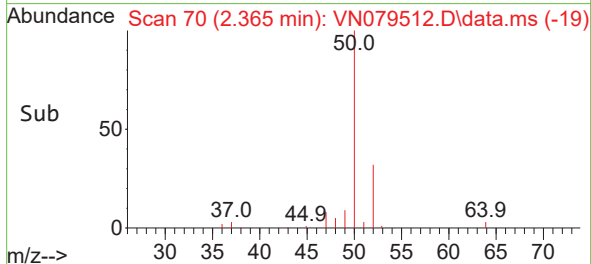
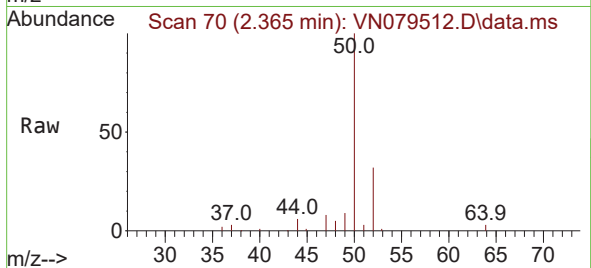
52 32.4 26.5 39.7

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 10/12/2023



#4

Vinyl Chloride

Concen: 18.316 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN079512.D

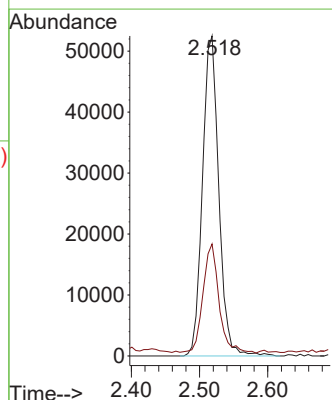
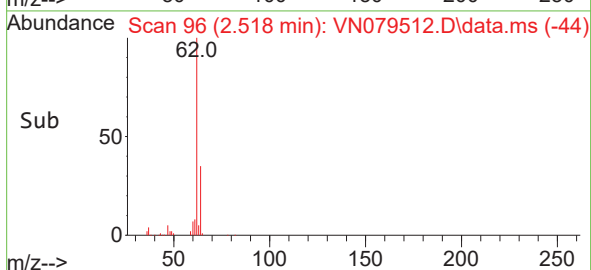
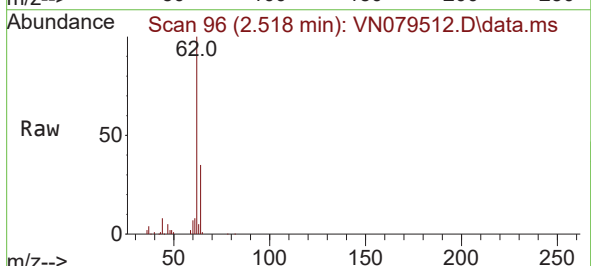
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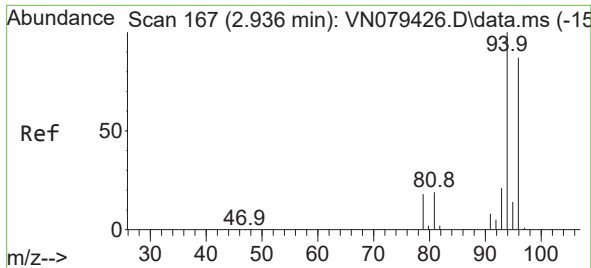
Tgt Ion: 62 Resp: 87403

Ion Ratio Lower Upper

62 100

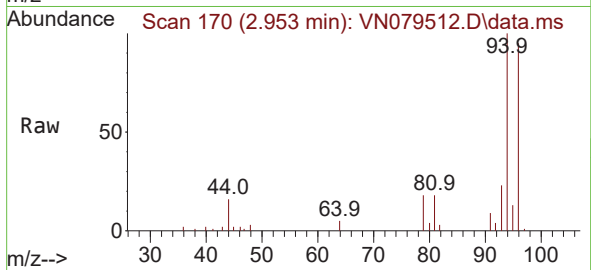
64 33.9 26.2 39.2





#5
Bromomethane
Concen: 16.615 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

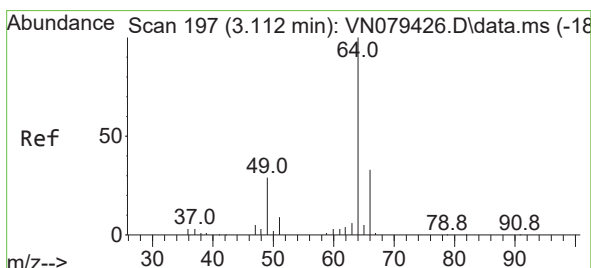
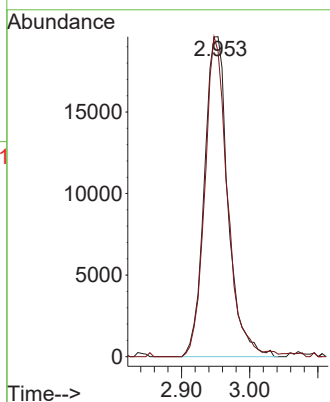
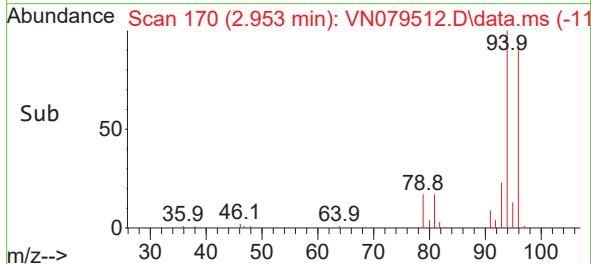
Instrument :
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Tgt Ion: 94 Resp: 47464
Ion Ratio Lower Upper
94 100
96 95.4 73.1 109.7

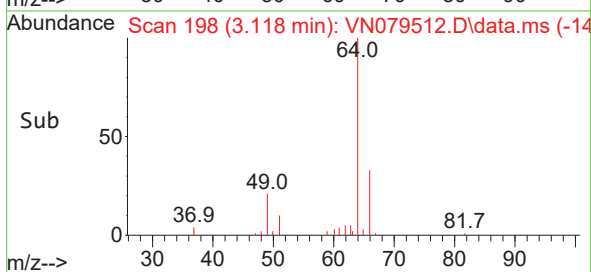
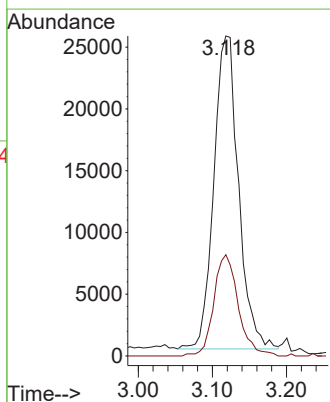
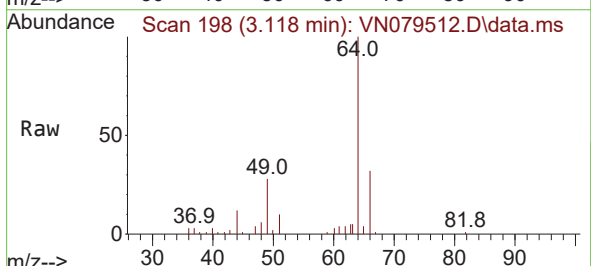
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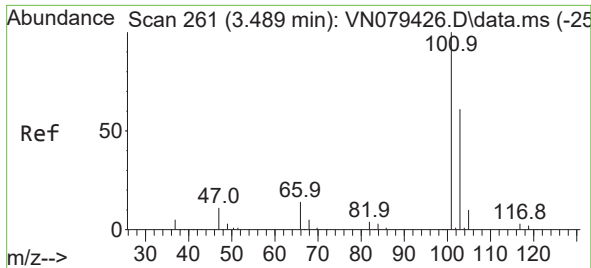
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#6
Chloroethane
Concen: 16.297 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

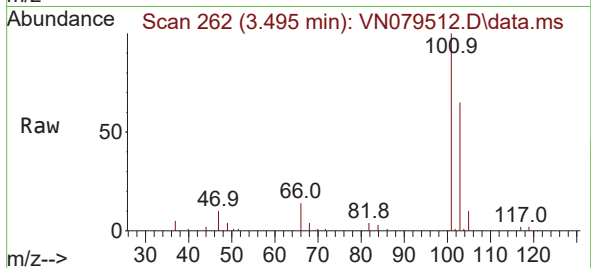
Tgt Ion: 64 Resp: 58629
Ion Ratio Lower Upper
64 100
66 32.4 25.4 38.2





#7
Trichlorofluoromethane
Concen: 19.340 ug/l
RT: 3.495 min Scan# 261
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

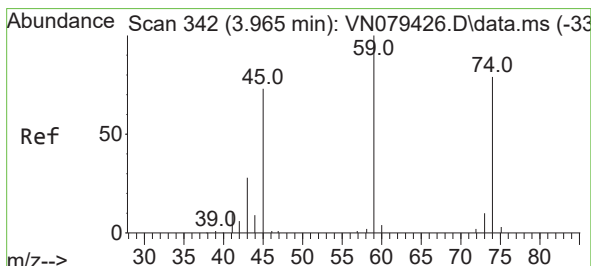
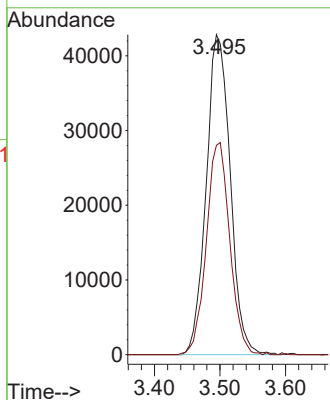
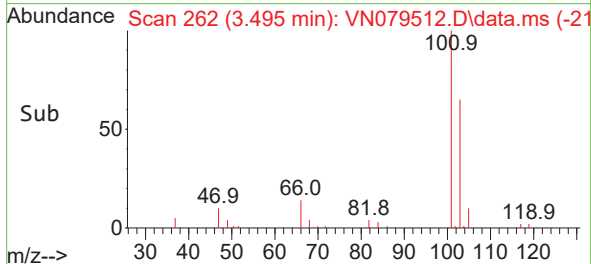
Instrument :
MSVOA_N
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VN1011WBS01



Tgt Ion:101 Resp: 10896
Ion Ratio Lower Upper
101 100
103 65.4 50.7 76.1

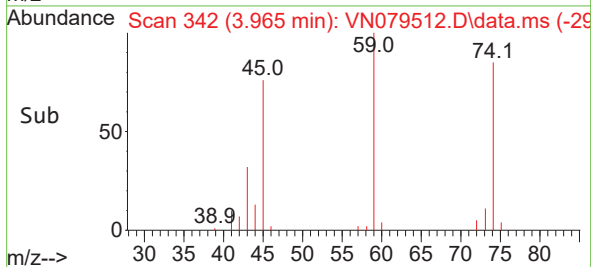
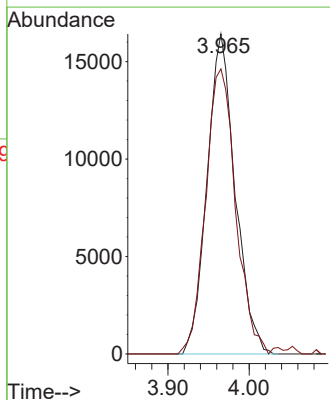
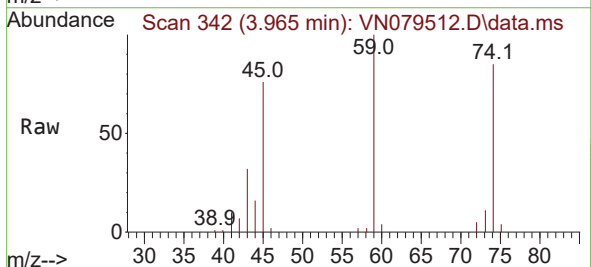
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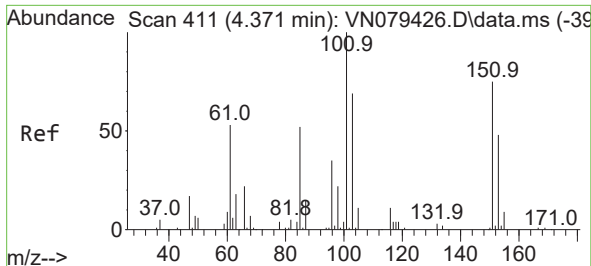
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#8
Diethyl Ether
Concen: 19.680 ug/l
RT: 3.965 min Scan# 342
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 74 Resp: 39530
Ion Ratio Lower Upper
74 100
45 95.0 34.4 103.3





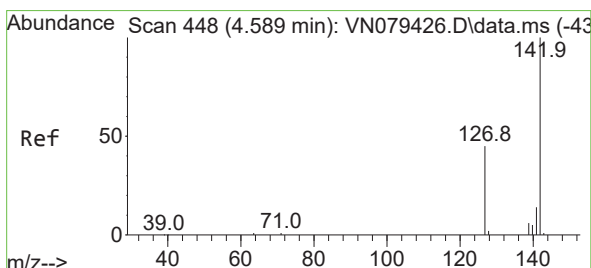
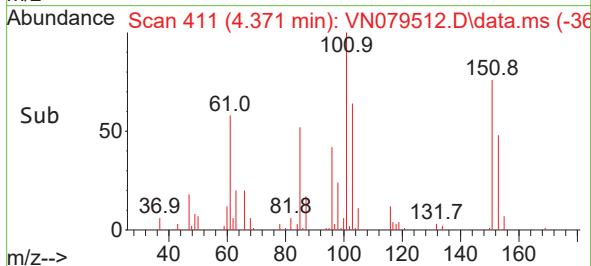
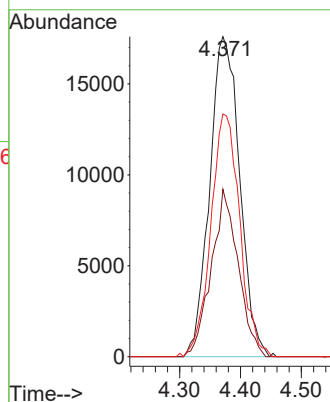
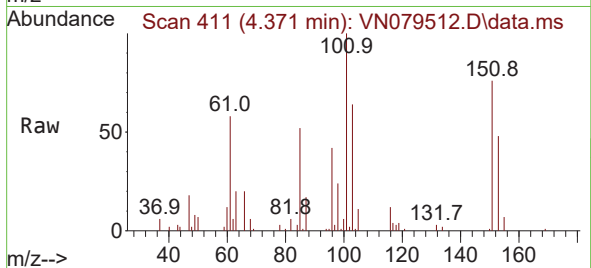
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.303 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:101 Resp: 6026
Ion Ratio Lower Upper
101 100
85 46.8 36.6 55.0
151 73.0 57.6 86.4

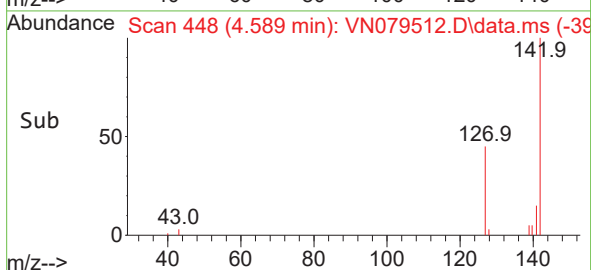
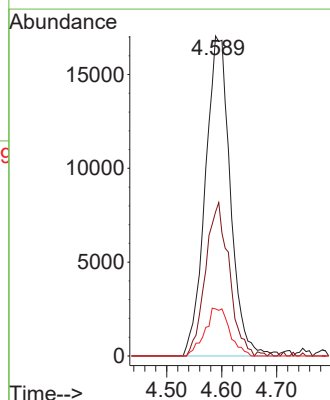
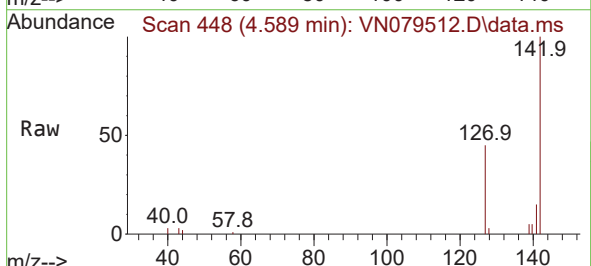
Manual Integrations
APPROVED

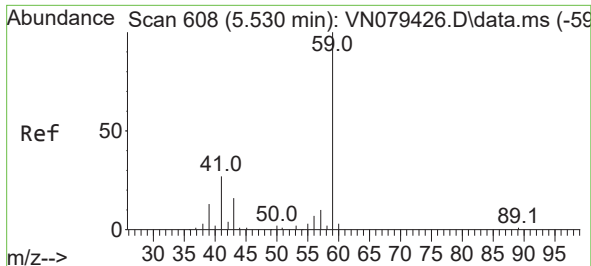
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#10
Methyl Iodide
Concen: 18.853 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

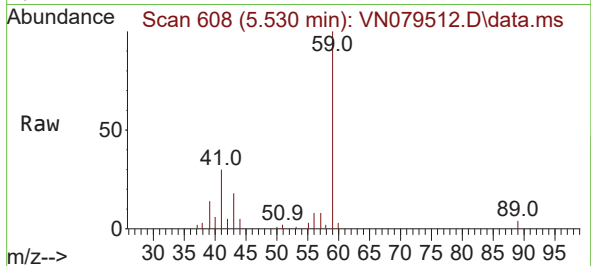
Tgt Ion:142 Resp: 53866
Ion Ratio Lower Upper
142 100
127 45.0 37.6 56.4
141 14.7 11.4 17.0





#11
Tert butyl alcohol
Concen: 85.450 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

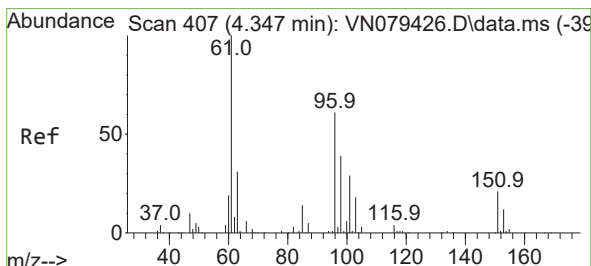
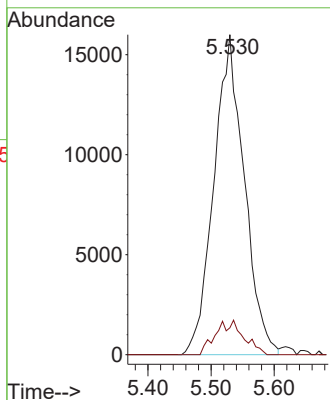
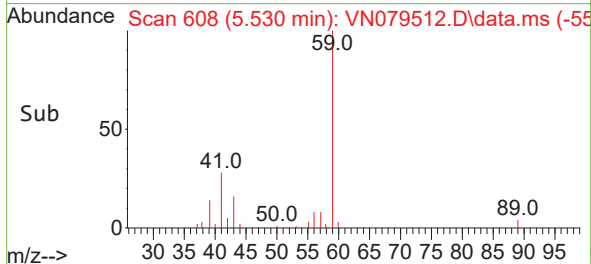
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



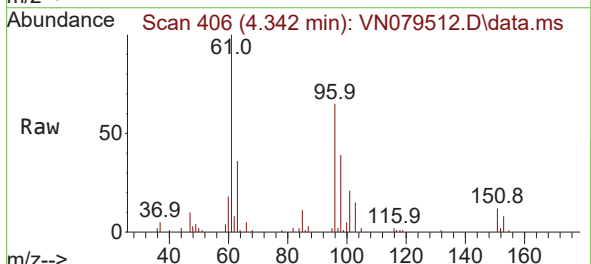
Tgt Ion: 59 Resp: 53500
Ion Ratio Lower Upper
59 100
57 4.5 8.2 12.4

Manual Integrations
APPROVED

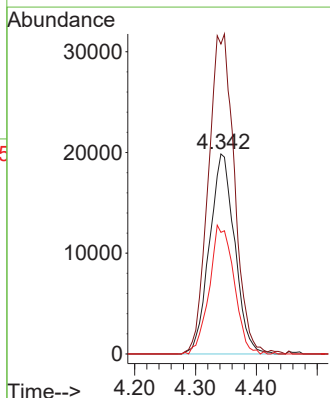
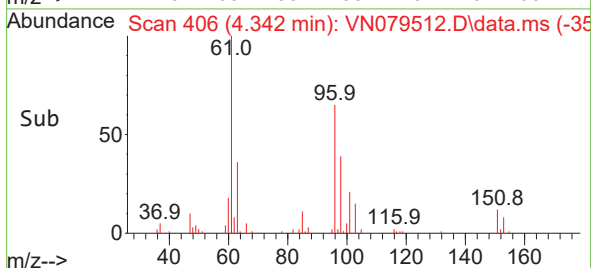
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

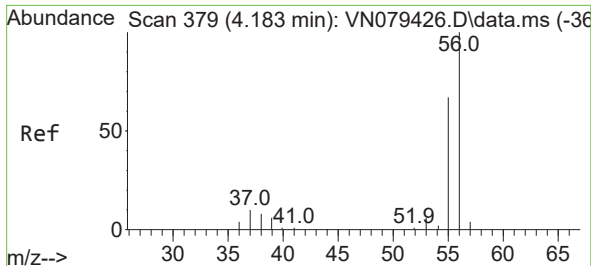


#12
1,1-Dichloroethene
Concen: 18.845 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02



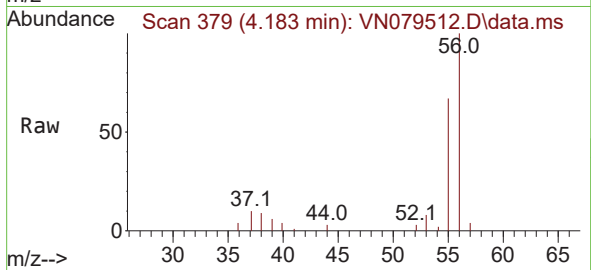
Tgt Ion: 96 Resp: 57131
Ion Ratio Lower Upper
96 100
61 155.0 112.7 169.1
98 60.8 51.2 76.8





#13
Acrolein
Concen: 86.920 ug/l
RT: 4.183 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

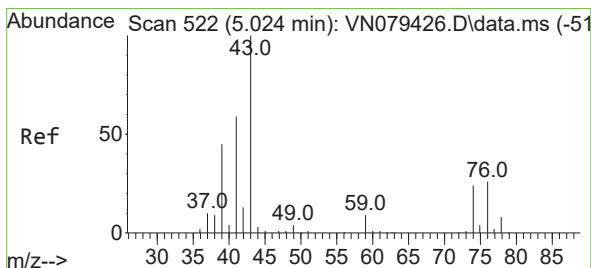
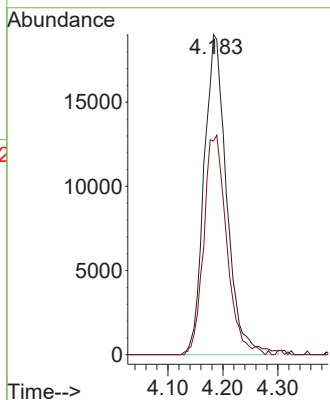
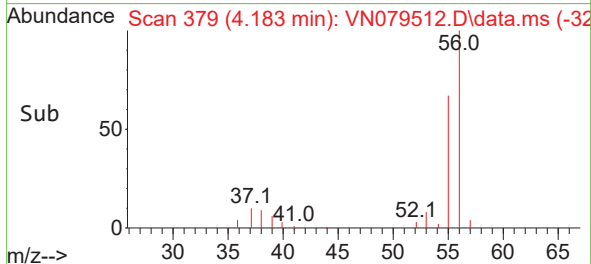
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 56 Resp: 54194
Ion Ratio Lower Upper
56 100
55 69.6 54.5 81.7

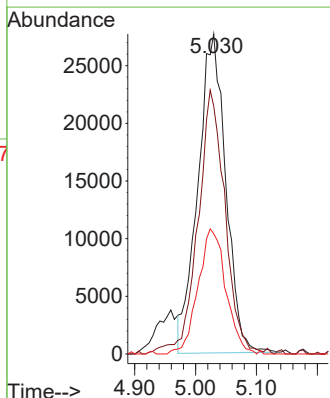
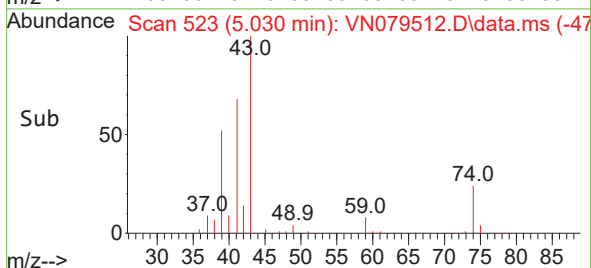
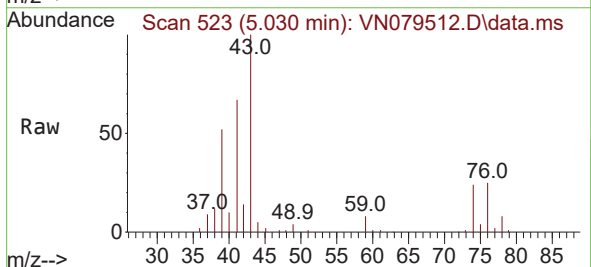
Manual Integrations
APPROVED

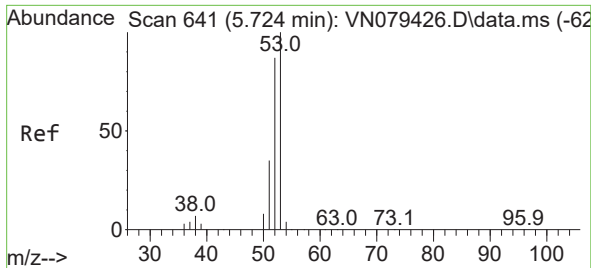
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#14
Allyl chloride
Concen: 17.995 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

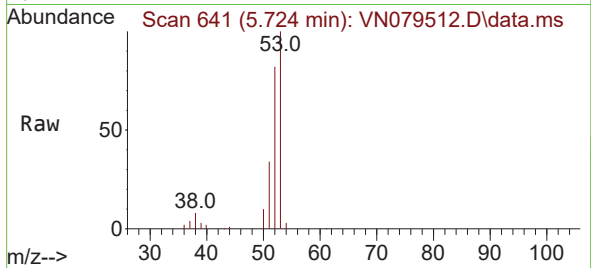
Tgt Ion: 41 Resp: 88037
Ion Ratio Lower Upper
41 100
39 80.3 58.8 88.2
76 39.1 39.1 58.7





#15
Acrylonitrile
Concen: 93.783 ug/l
RT: 5.724 min Scan# 641
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

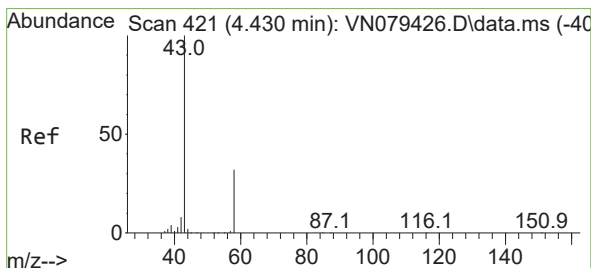
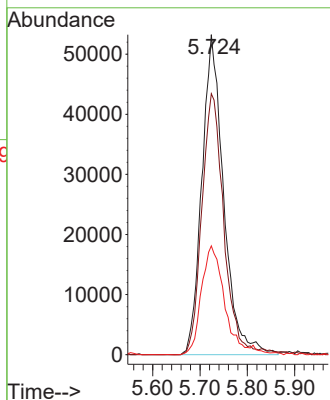
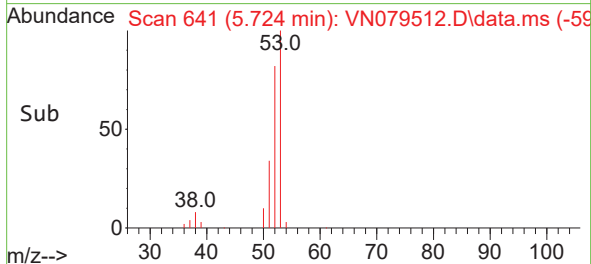
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 53 Resp: 17025
Ion Ratio Lower Upper
53 100
52 81.3 65.3 97.9
51 35.6 28.9 43.3

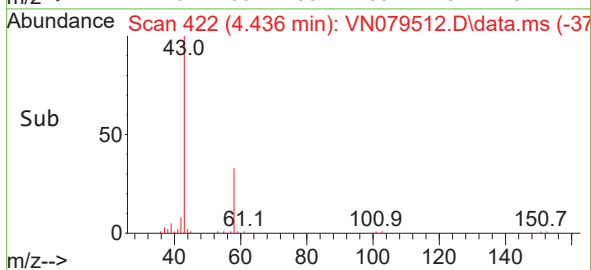
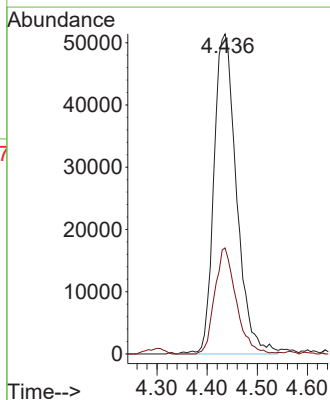
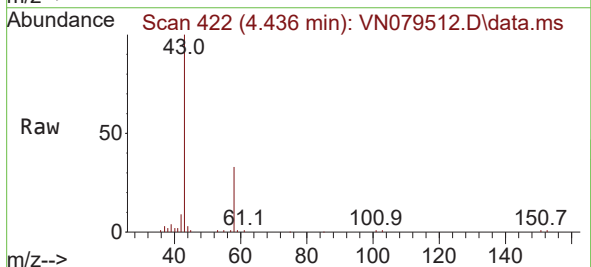
Manual Integrations
APPROVED

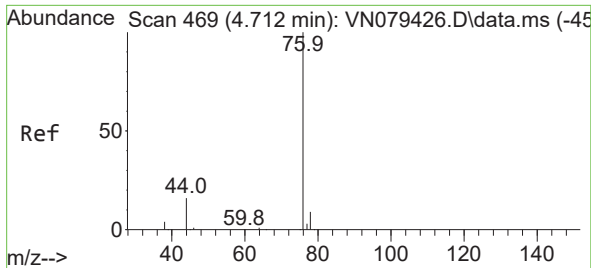
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#16
Acetone
Concen: 97.602 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 43 Resp: 161058
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0





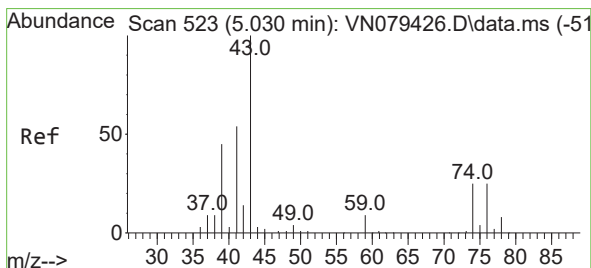
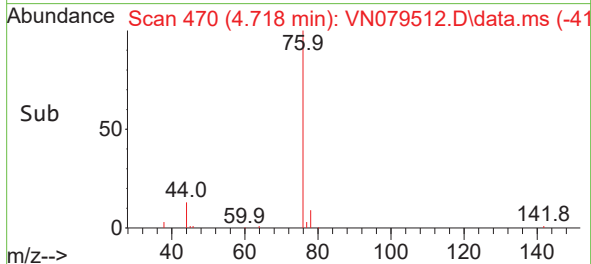
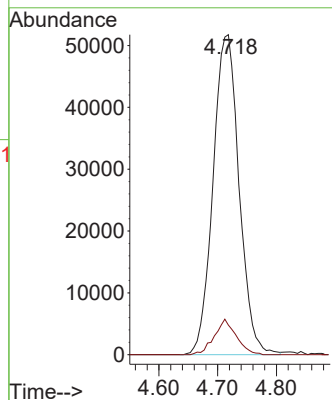
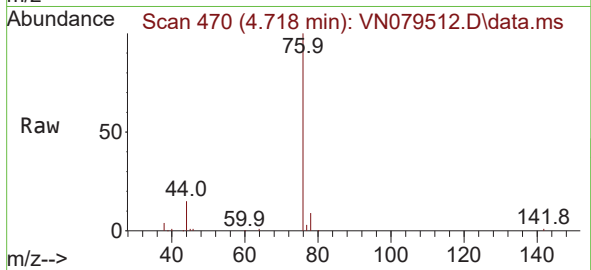
#17
Carbon Disulfide
Concen: 16.858 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 76 Resp: 159414
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

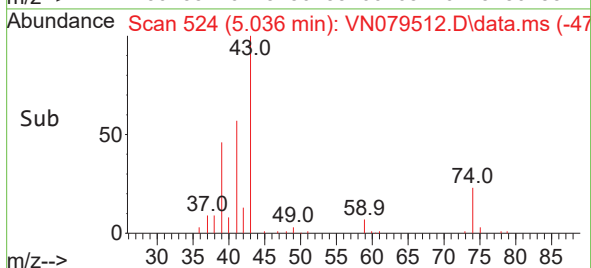
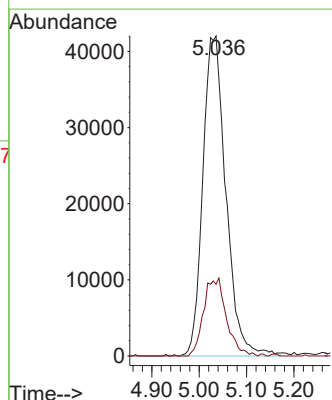
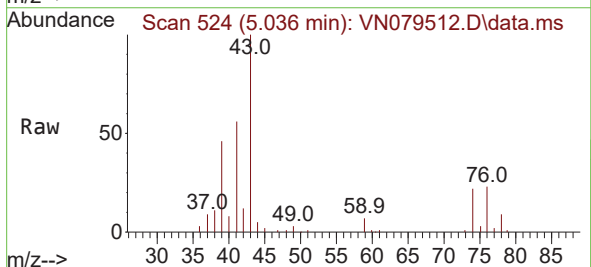
Manual Integrations
APPROVED

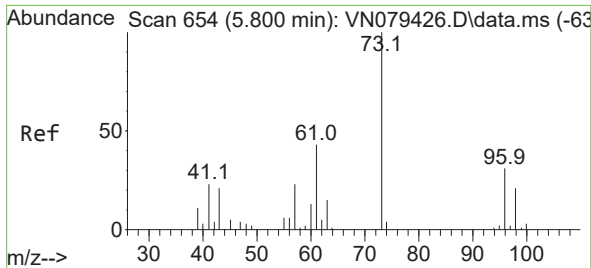
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#18
Methyl Acetate
Concen: 17.619 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

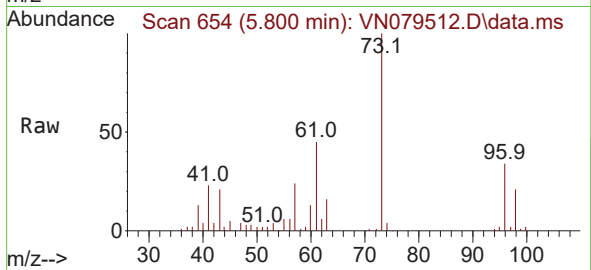
Tgt Ion: 43 Resp: 142303
Ion Ratio Lower Upper
43 100
74 23.9 26.2 39.4#





#19
Methyl tert-butyl Ether
Concen: 20.058 ug/l
RT: 5.800 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

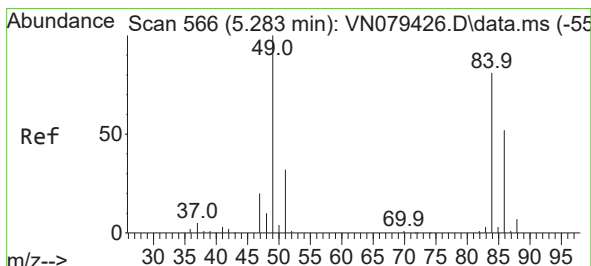
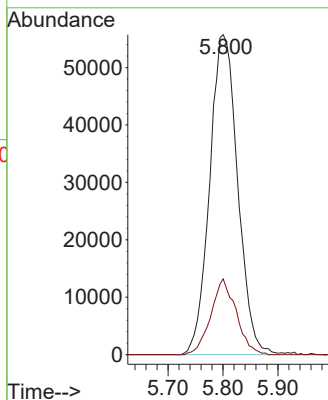
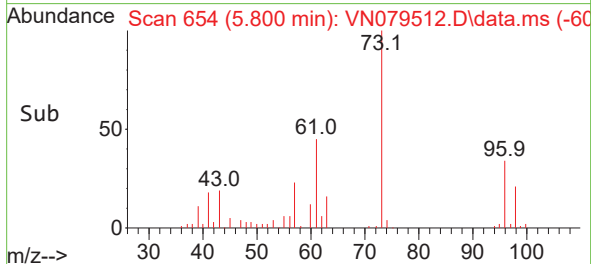
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 73 Resp: 197574
Ion Ratio Lower Upper
73 100
57 23.7 15.6 23.4

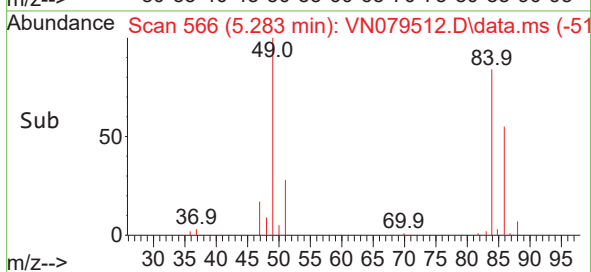
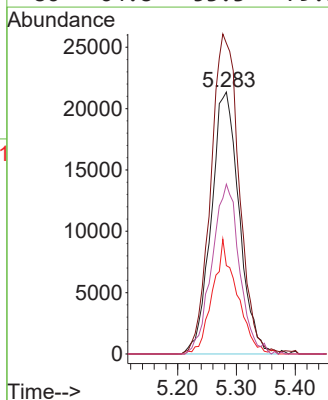
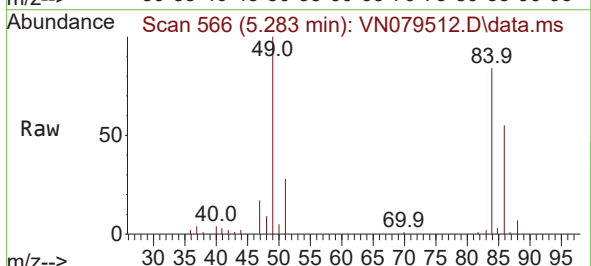
Manual Integrations
APPROVED

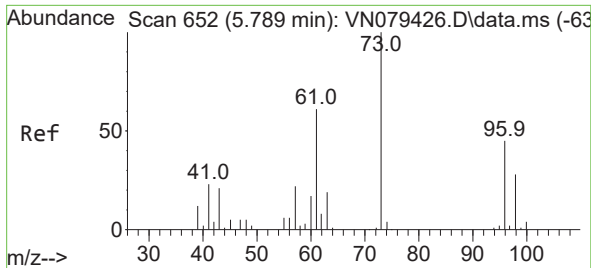
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#20
Methylene Chloride
Concen: 19.158 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 84 Resp: 70569
Ion Ratio Lower Upper
84 100
49 118.6 79.7 119.5
51 33.7 25.2 37.8
86 64.8 53.3 79.9





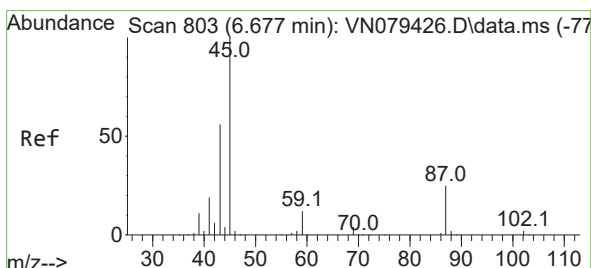
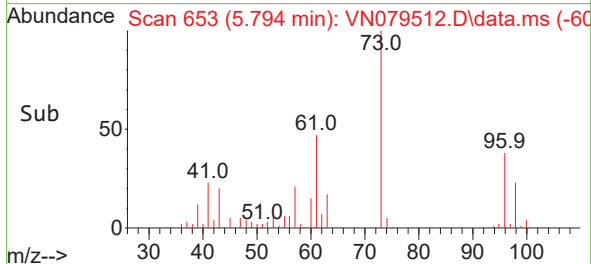
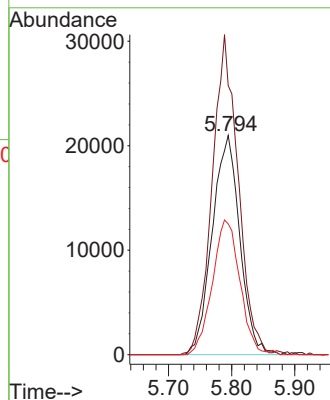
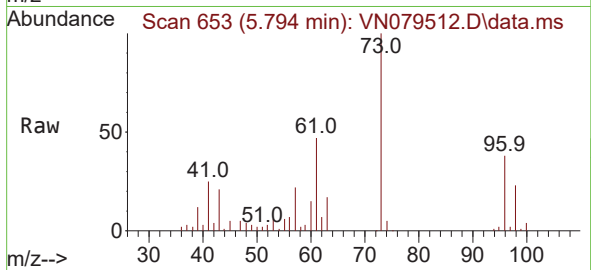
#21
trans-1,2-Dichloroethene
Concen: 17.999 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 96 Resp: 6373
Ion Ratio Lower Upper
96 100
61 122.8 90.1 135.1
98 59.7 46.4 69.6

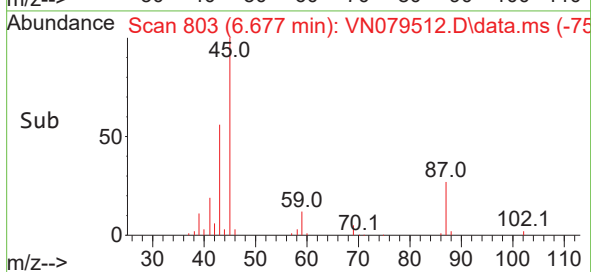
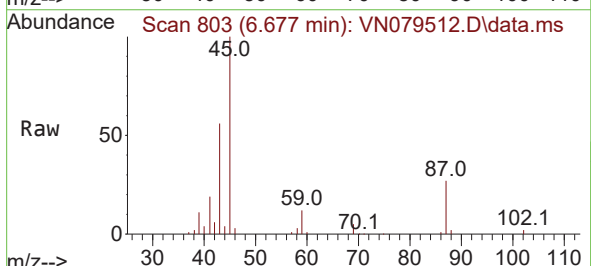
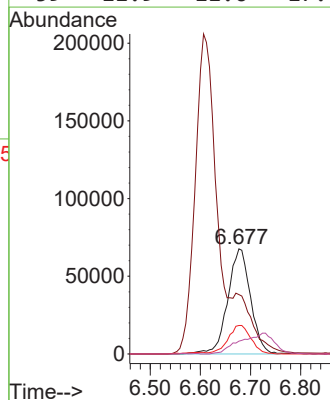
Manual Integrations
APPROVED

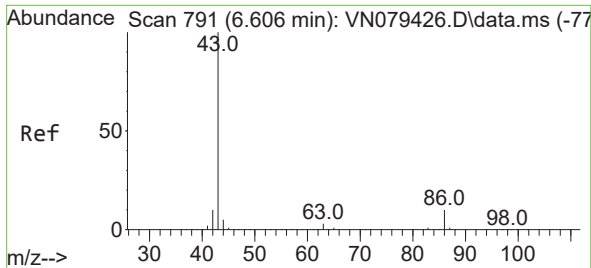
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#22
Diisopropyl ether
Concen: 19.463 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 45 Resp: 213515
Ion Ratio Lower Upper
45 100
43 53.5 45.5 68.3
87 26.9 31.8 47.8#
59 11.9 11.6 17.4





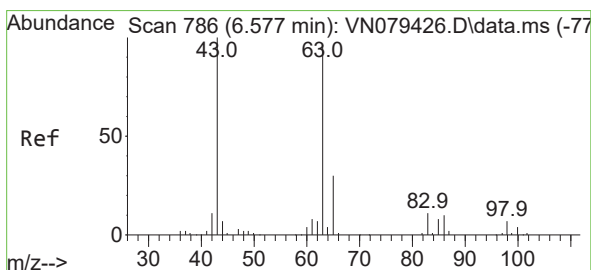
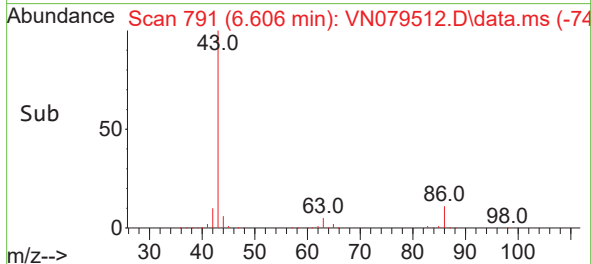
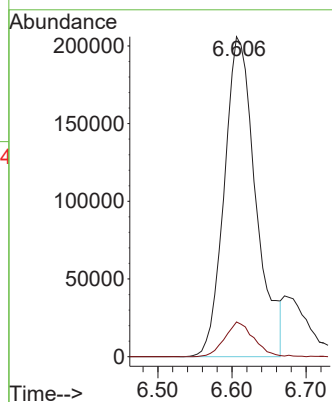
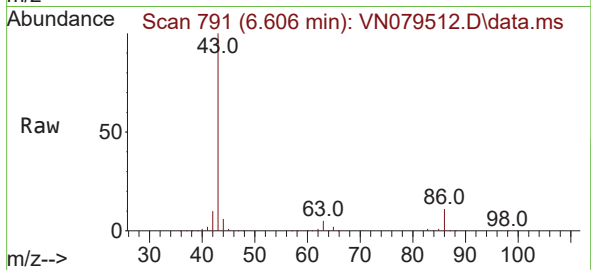
#23
 Vinyl Acetate
 Concen: 98.580 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion: 43 Resp: 608314
 Ion Ratio Lower Upper
 43 100
 86 10.8 13.0 19.6

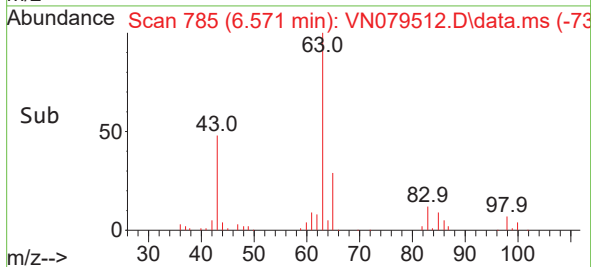
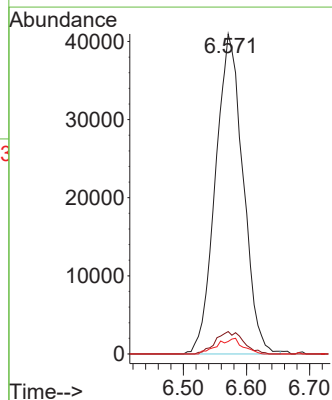
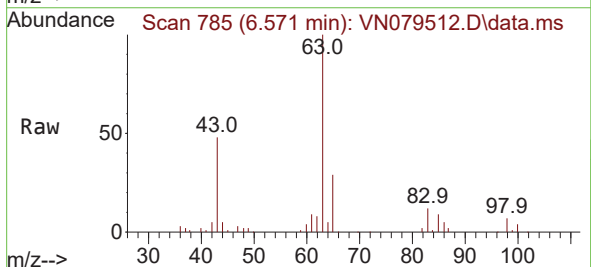
Manual Integrations
 APPROVED

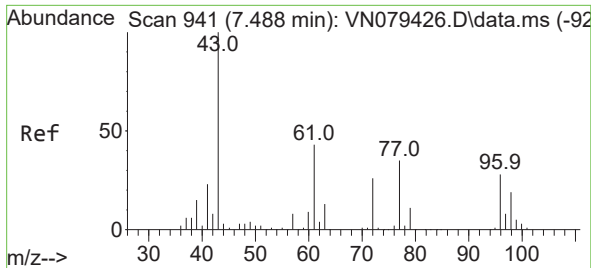
Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023



#24
 1,1-Dichloroethane
 Concen: 18.510 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.006 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

Tgt Ion: 63 Resp: 124274
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.7
 100 3.9 2.5 7.4





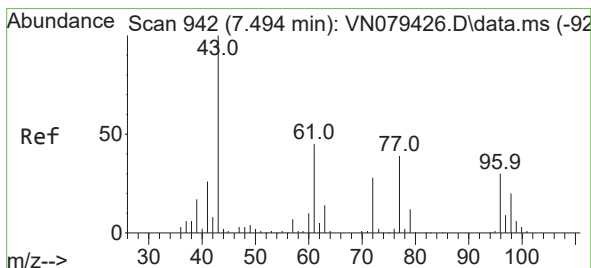
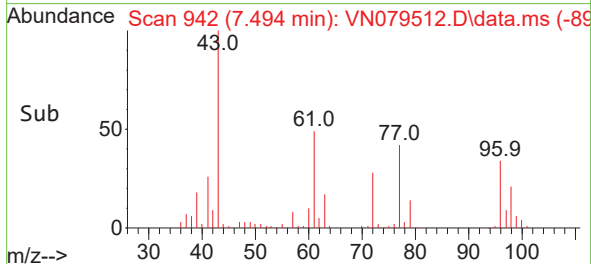
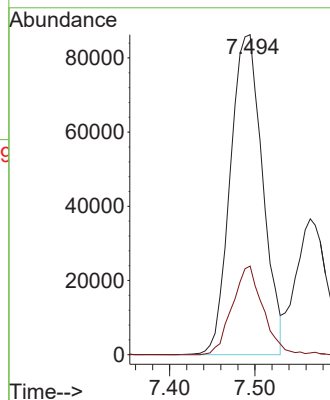
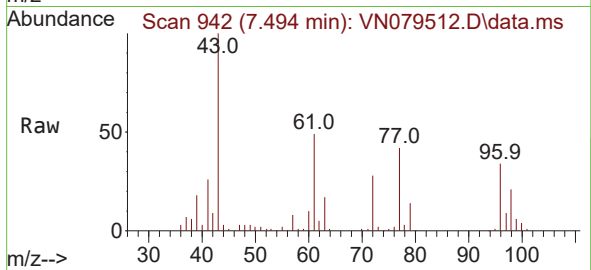
#25
2-Butanone
Concen: 92.976 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 43 Resp: 22771
Ion Ratio Lower Upper
43 100
72 27.7 30.2 45.2

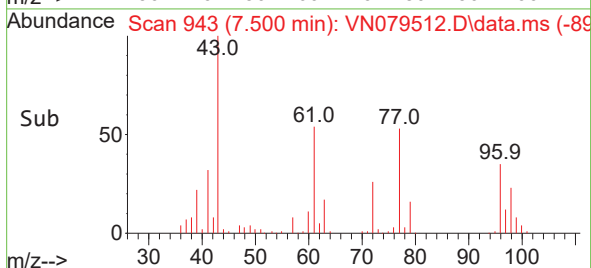
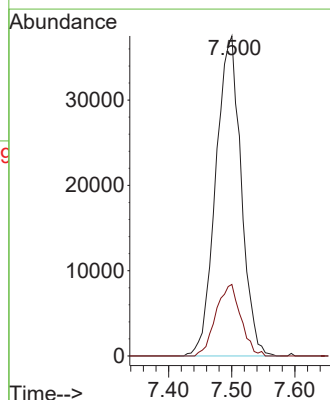
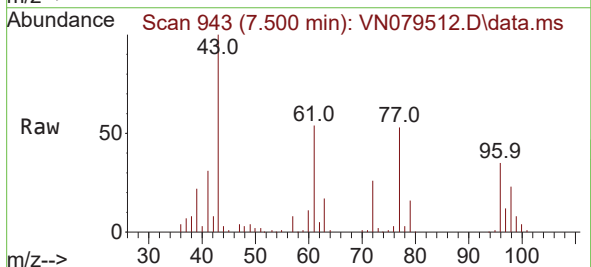
Manual Integrations
APPROVED

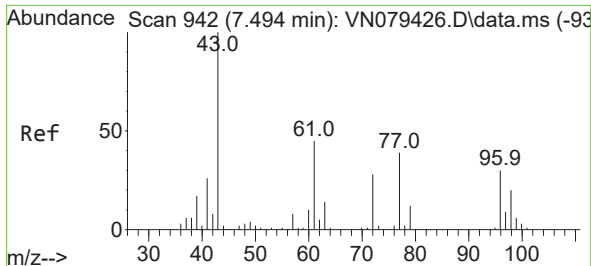
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#26
2,2-Dichloropropane
Concen: 20.354 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

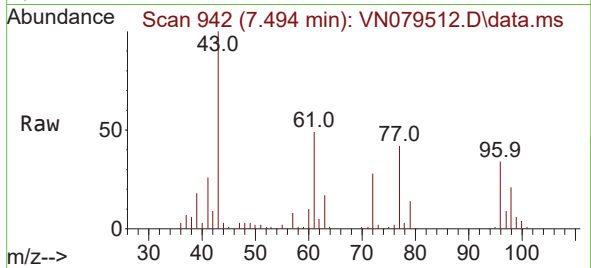
Tgt Ion: 77 Resp: 104435
Ion Ratio Lower Upper
77 100
97 22.1 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 19.213 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. -0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

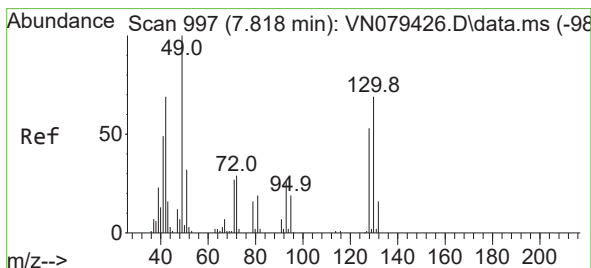
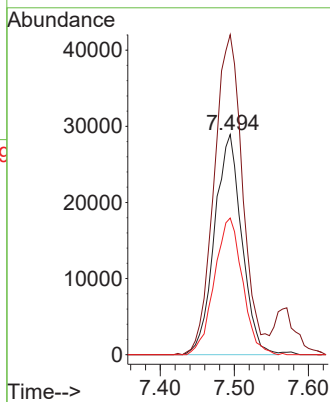
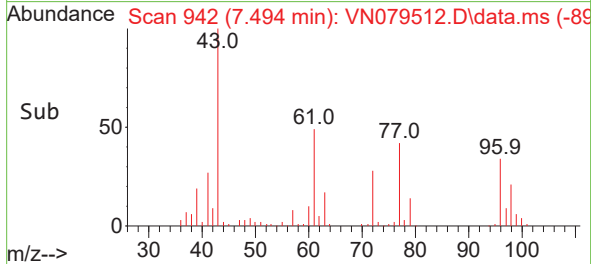
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01



Tgt Ion: 96 Resp: 73904
 Ion Ratio Lower Upper
 96 100
 61 152.7 0.0 255.2
 98 64.1 0.0 128.8

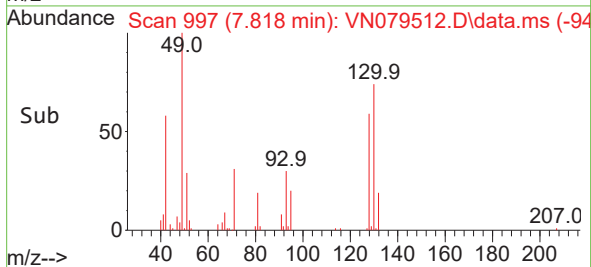
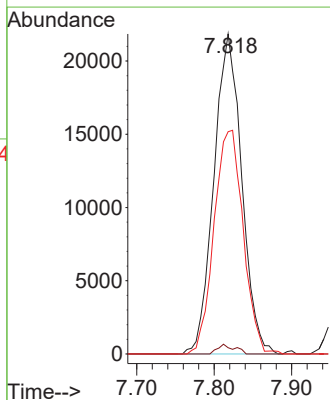
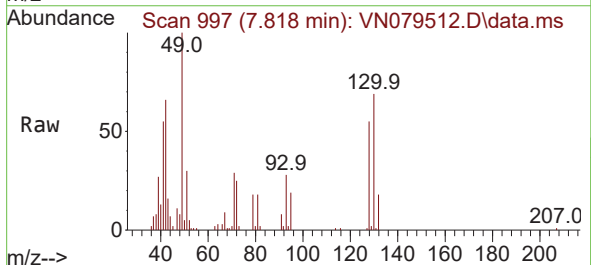
Manual Integrations
 APPROVED

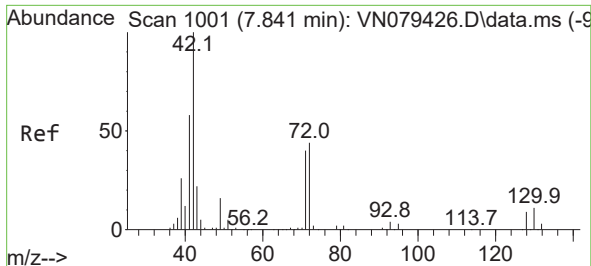
Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023



#28
 Bromochloromethane
 Concen: 17.092 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. -0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

Tgt Ion: 49 Resp: 54599
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.8
 130 73.2 75.3 112.9#





#29

Tetrahydrofuran

Concen: 92.464 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 42 Resp: 146462

Ion Ratio Lower Upper

42 100

72 44.7 49.8 74.6

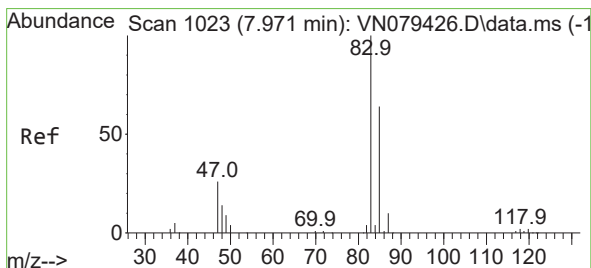
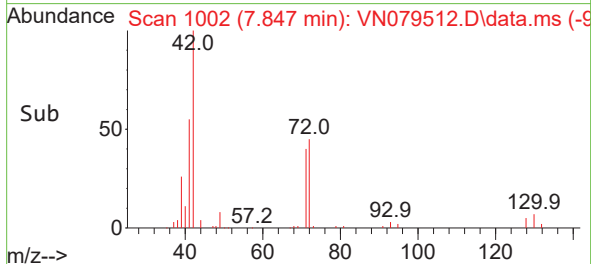
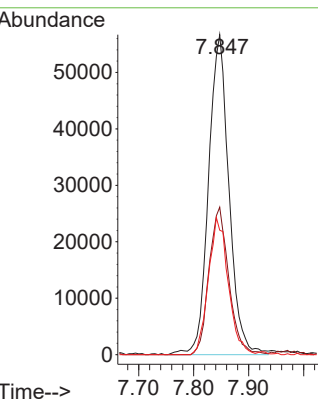
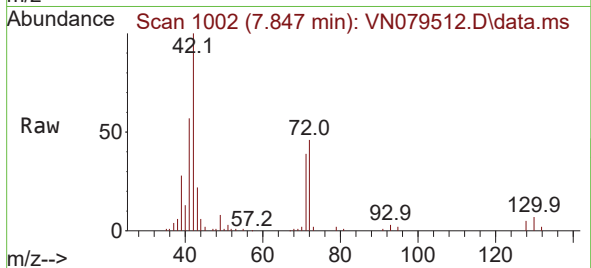
71 41.5 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#30

Chloroform

Concen: 18.938 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN079512.D

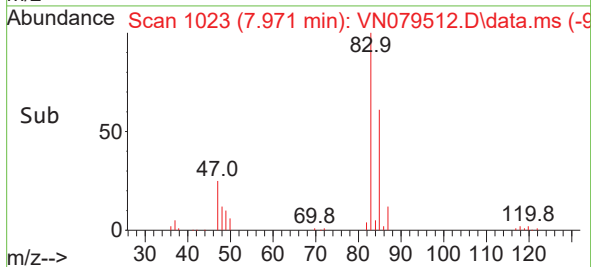
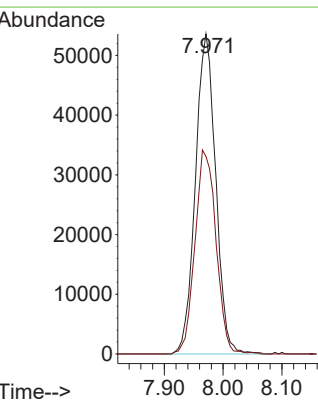
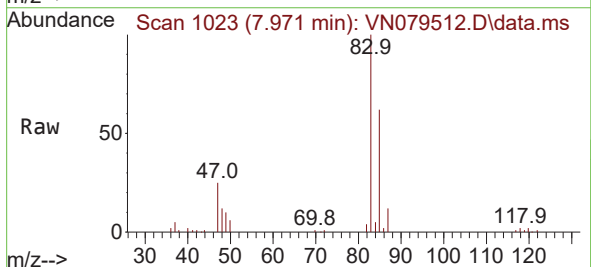
Acq: 11 Oct 2023 13:02

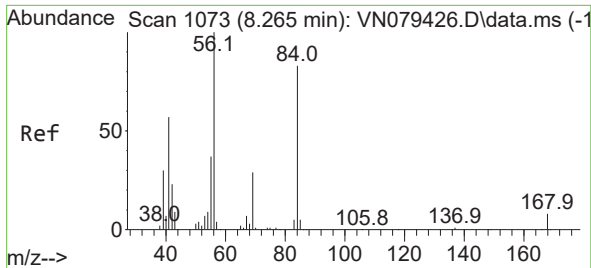
Tgt Ion: 83 Resp: 128468

Ion Ratio Lower Upper

83 100

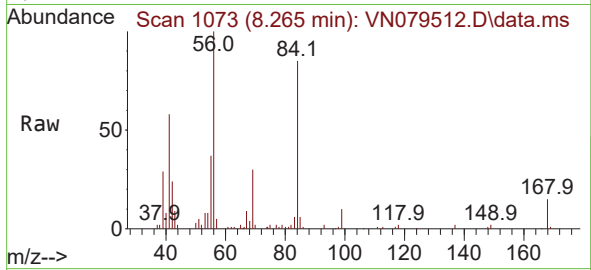
85 61.7 55.4 83.0





#31
Cyclohexane
Concen: 17.756 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

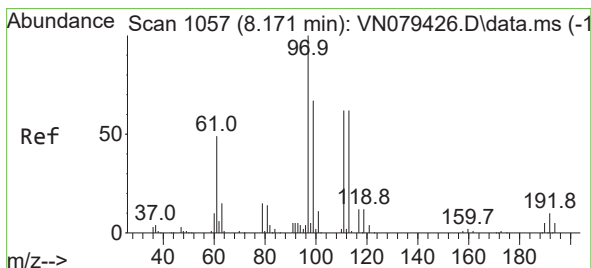
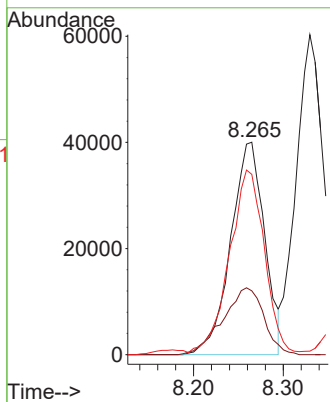
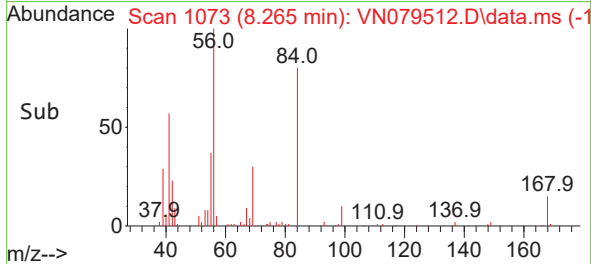
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 56 Resp: 104782
Ion Ratio Lower Upper
56 100
69 29.7 26.8 40.2
84 83.0 81.8 122.6

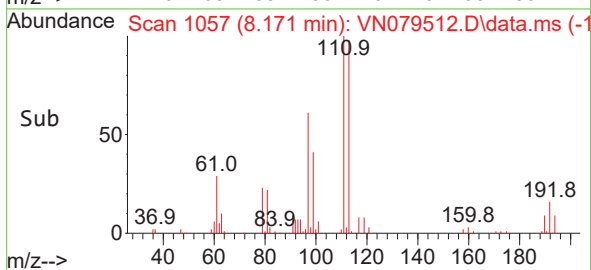
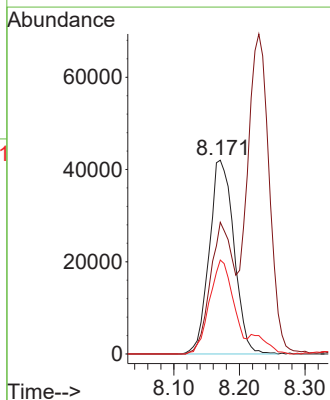
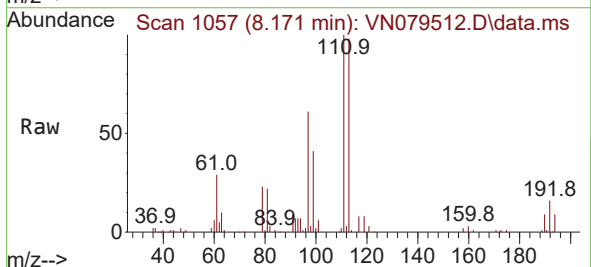
Manual Integrations
APPROVED

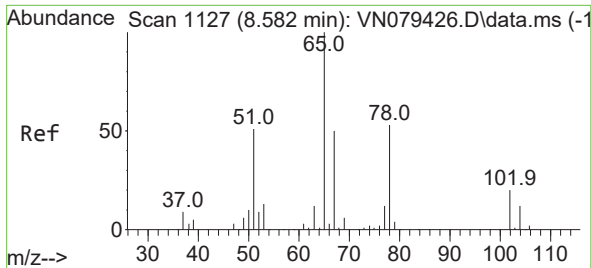
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#32
1,1,1-Trichloroethane
Concen: 19.258 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 97 Resp: 109938
Ion Ratio Lower Upper
97 100
99 61.5 50.3 75.5
61 47.5 34.7 52.1





#33
 1,2-Dichloroethane-d4
 Concen: 49.980 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

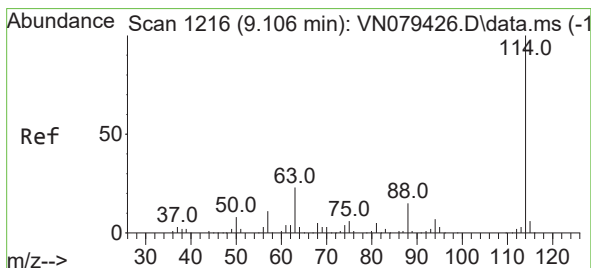
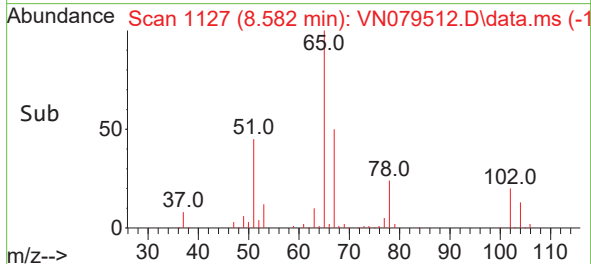
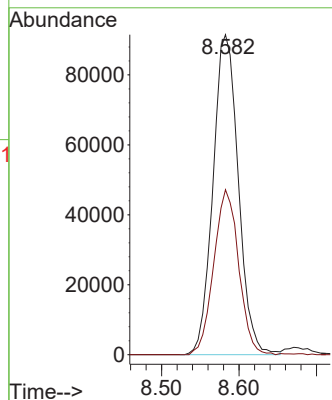
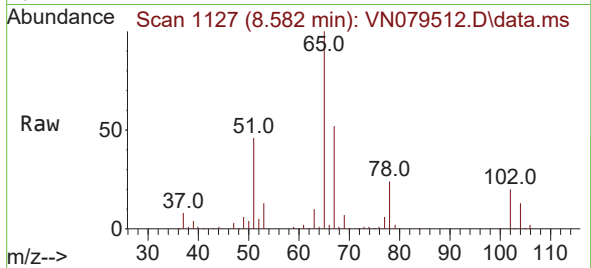
VN1011WBS01

Tgt Ion: 65 Resp: 207934
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 106.6

Manual Integrations

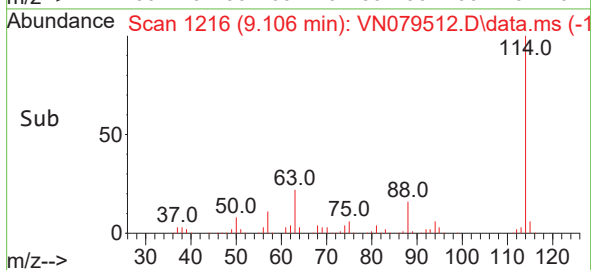
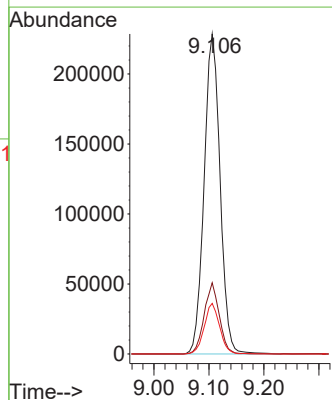
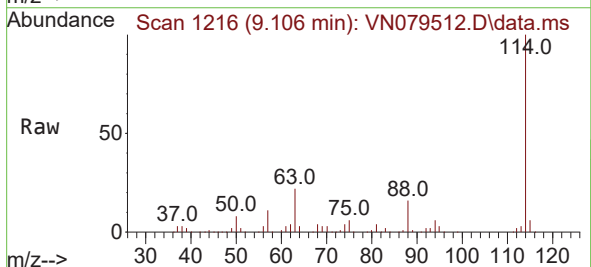
APPROVED

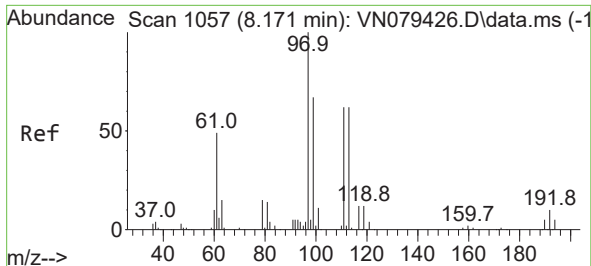
Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

Tgt Ion:114 Resp: 461476
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 36.4
 88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.011 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079512.D

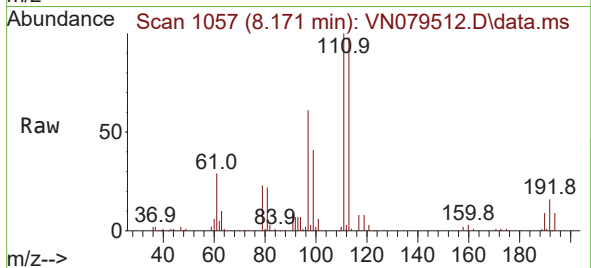
Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01



Tgt Ion:113 Resp: 162530

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

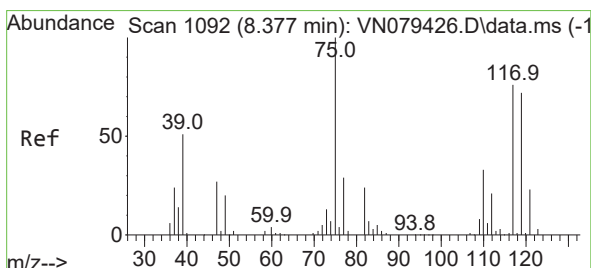
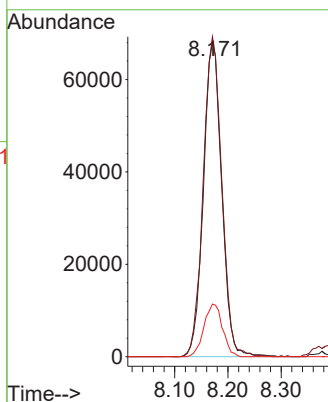
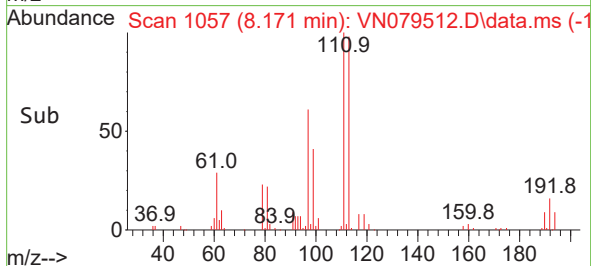
192 17.0 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#36

1,1-Dichloropropene

Concen: 18.502 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

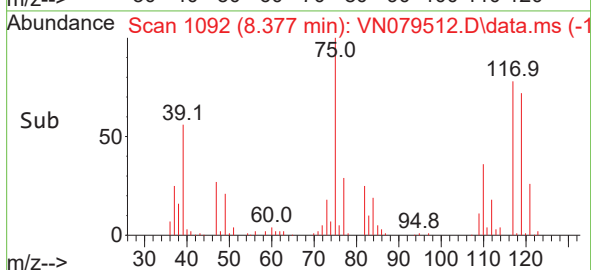
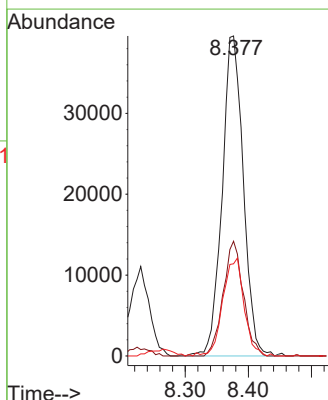
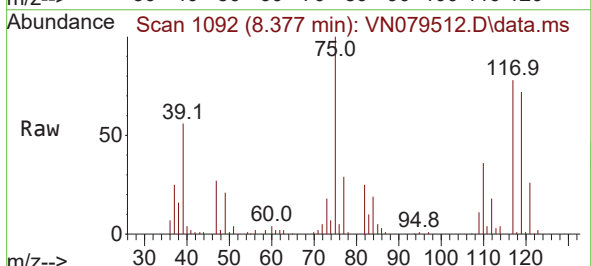
Tgt Ion: 75 Resp: 92090

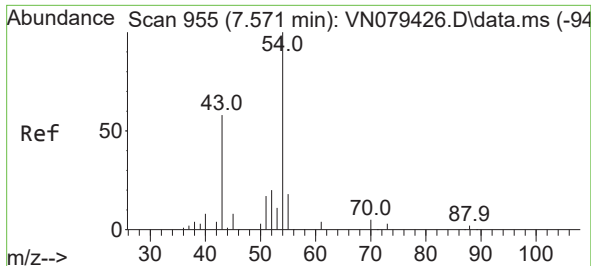
Ion Ratio Lower Upper

75 100

110 34.1 19.1 57.3

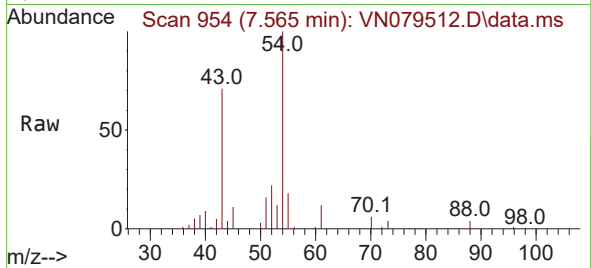
77 30.7 25.0 37.4





#37
Ethyl Acetate
Concen: 18.807 ug/l
RT: 7.565 min Scan# 914
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

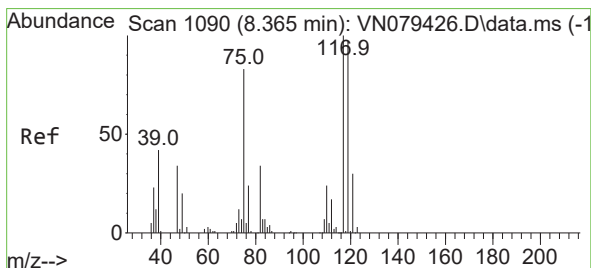
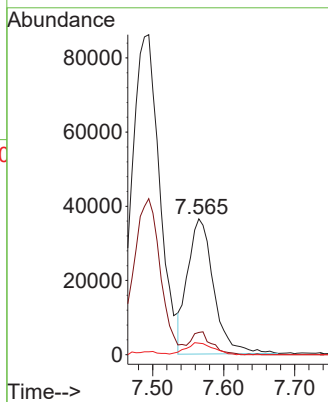
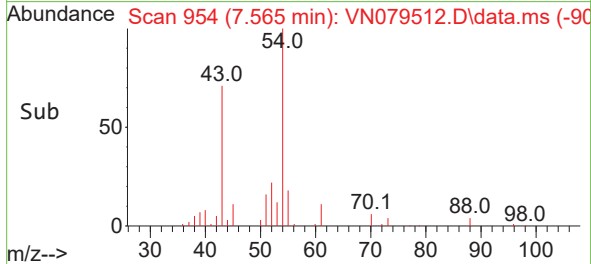
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 43 Resp: 93140
Ion Ratio Lower Upper
43 100
61 12.9 13.2 19.8
70 9.1 11.3 16.9

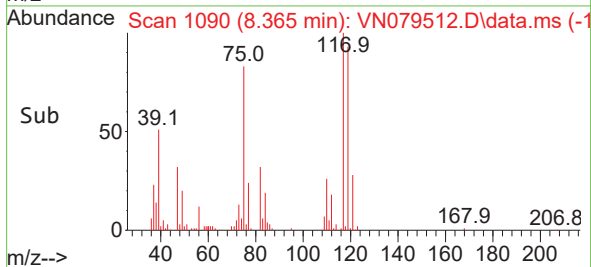
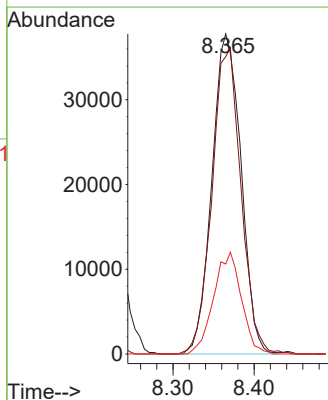
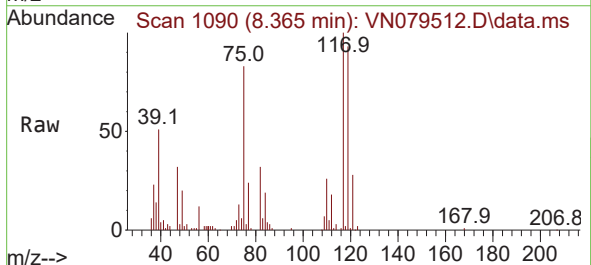
Manual Integrations
APPROVED

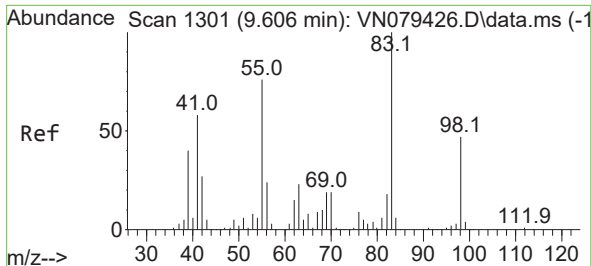
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#38
Carbon Tetrachloride
Concen: 18.876 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion:117 Resp: 94057
Ion Ratio Lower Upper
117 100
119 92.9 77.3 115.9
121 28.1 23.3 34.9





#39

Methylcyclohexane

Concen: 18.804 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. -0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 83 Resp: 8992

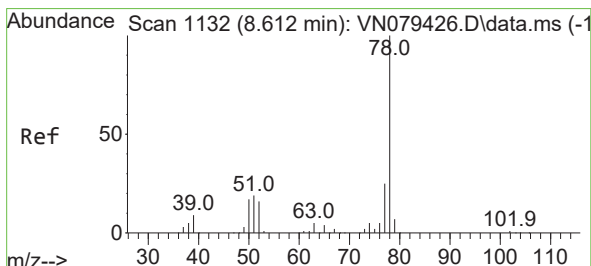
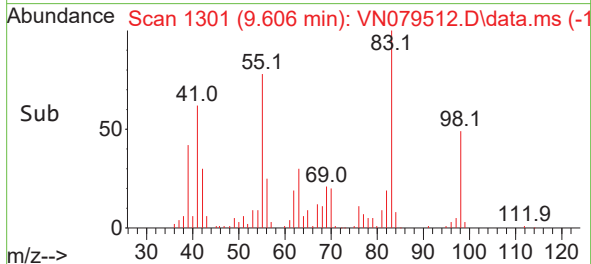
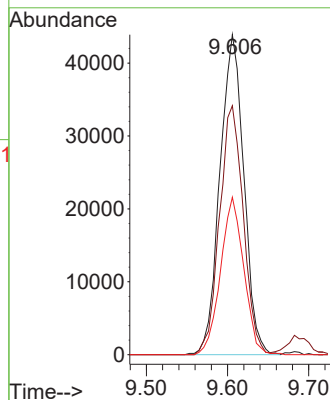
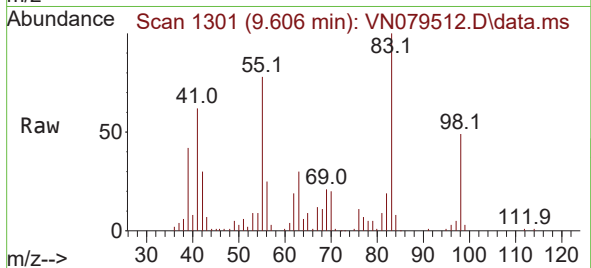
Ion	Ratio	Lower	Upper
83	100		
55	77.8	49.1	73.7
98	49.2	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#40

Benzene

Concen: 19.251 ug/l

RT: 8.612 min Scan# 1132

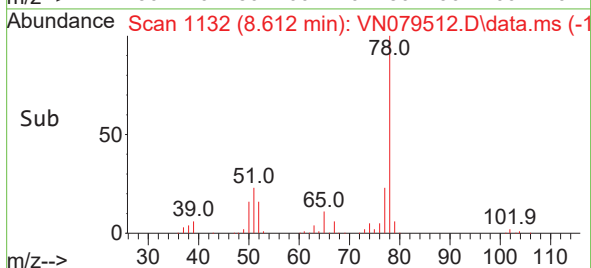
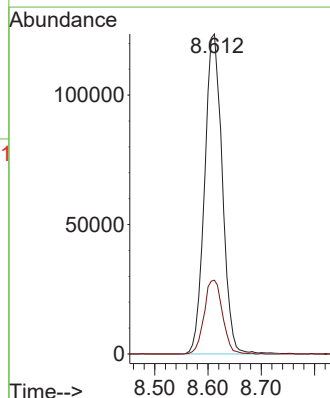
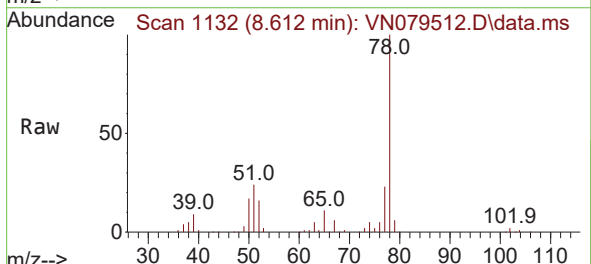
Delta R.T. -0.000 min

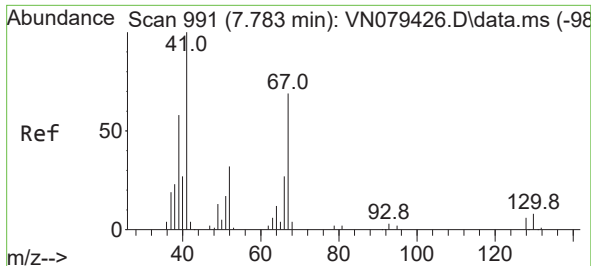
Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Tgt Ion: 78 Resp: 284566

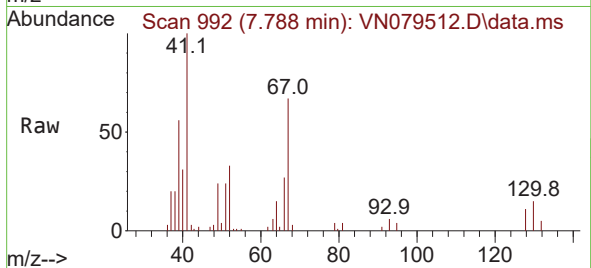
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





#41
Methacrylonitrile
Concen: 18.847 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

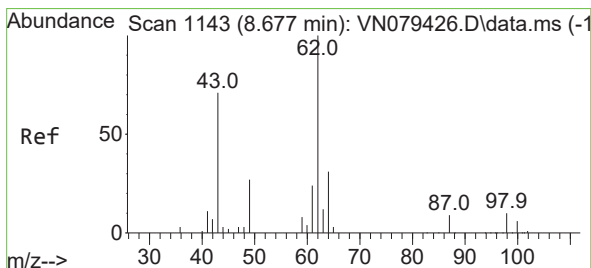
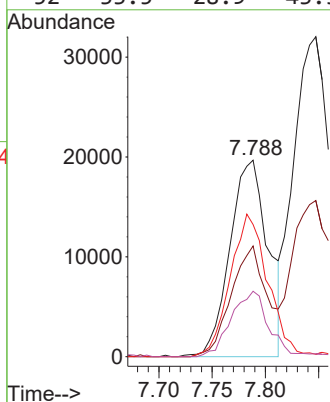
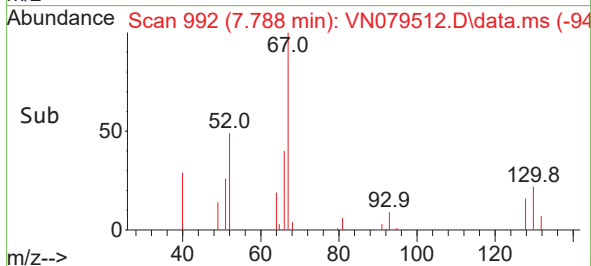
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 41 Resp: 49074
Ion Ratio Lower Upper
41 100
39 53.0 42.6 64.0
67 71.8 77.5 116.3
52 33.5 28.9 43.3

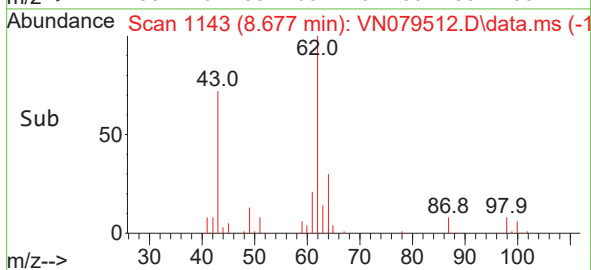
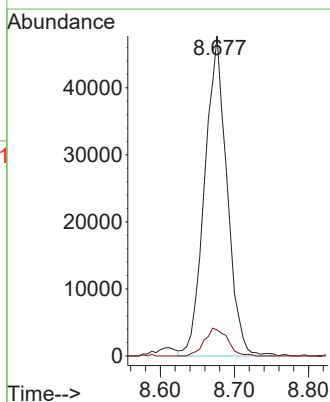
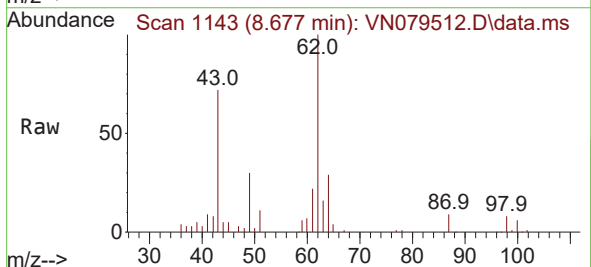
Manual Integrations
APPROVED

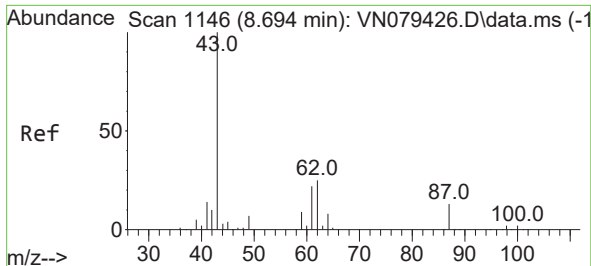
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#42
1,2-Dichloroethane
Concen: 18.570 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

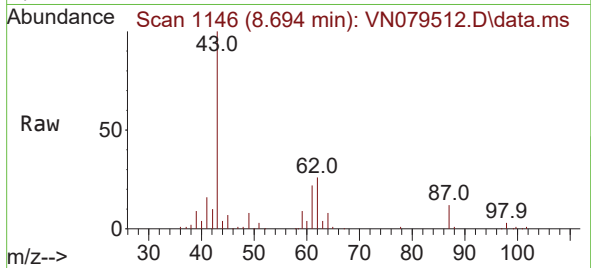
Tgt Ion: 62 Resp: 99743
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.8





#43
Isopropyl Acetate
Concen: 19.351 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

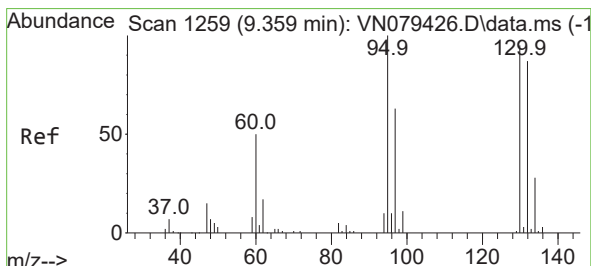
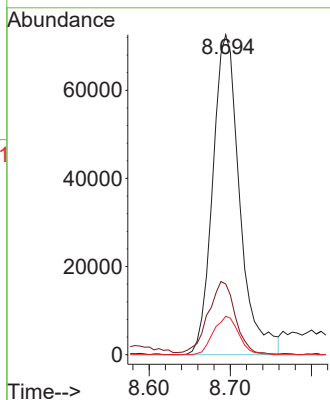
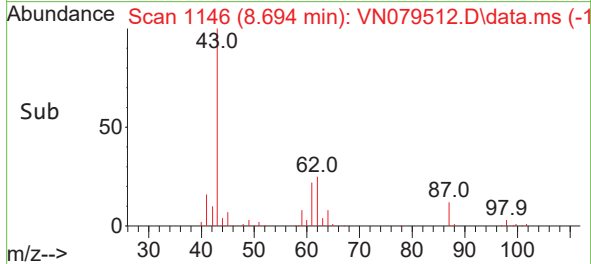
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 43 Resp: 167909
Ion Ratio Lower Upper
43 100
61 23.0 24.7 37.1
87 11.2 14.6 21.8

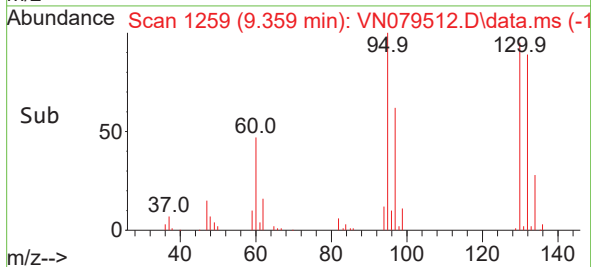
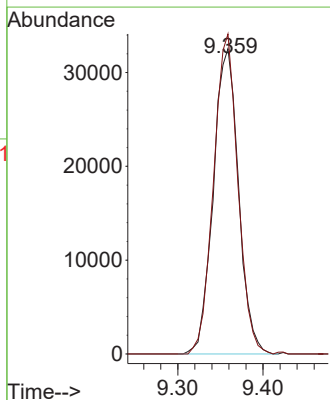
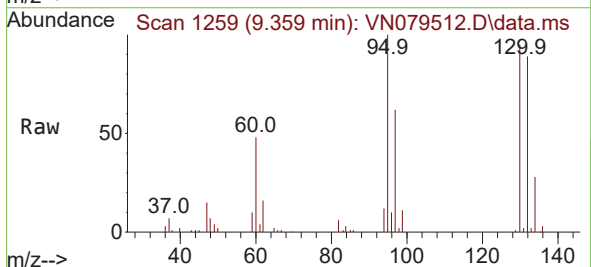
Manual Integrations
APPROVED

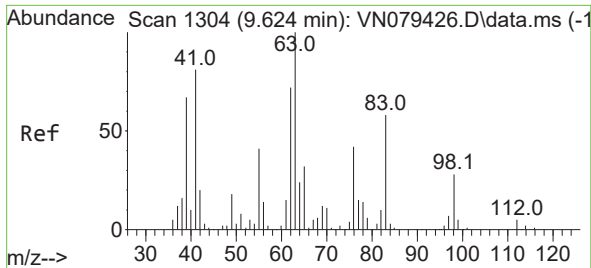
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#44
Trichloroethene
Concen: 19.254 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

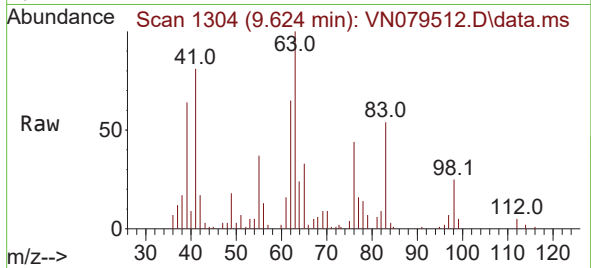
Tgt Ion:130 Resp: 66987
Ion Ratio Lower Upper
130 100
95 104.8 0.0 204.6





#45
1,2-Dichloropropane
Concen: 19.120 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

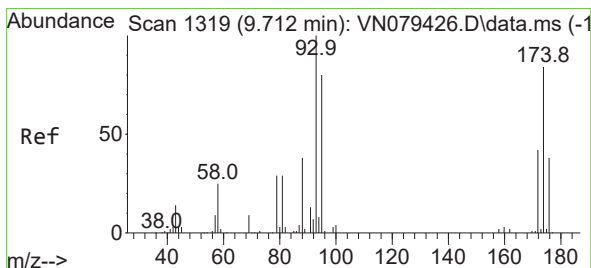
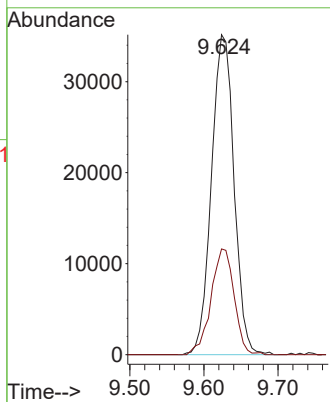
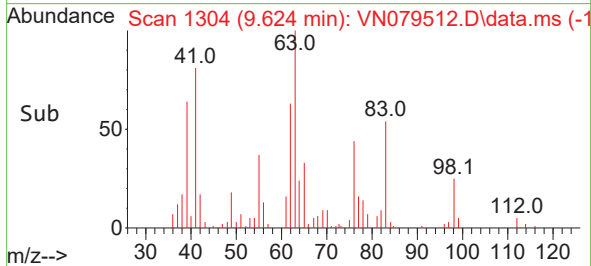
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 63 Resp: 7446
Ion Ratio Lower Upper
63 100
65 33.0 23.9 35.9

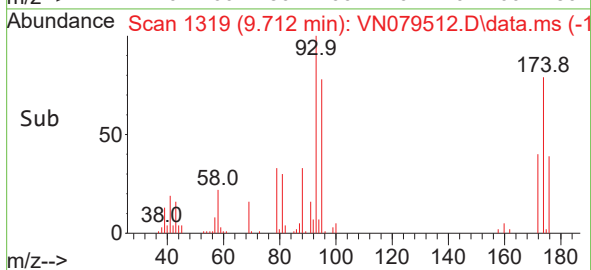
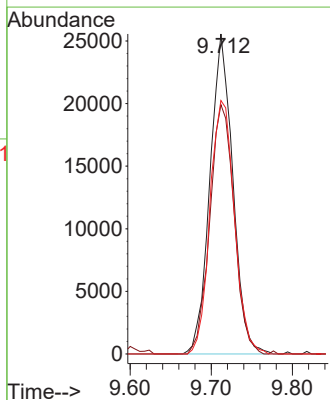
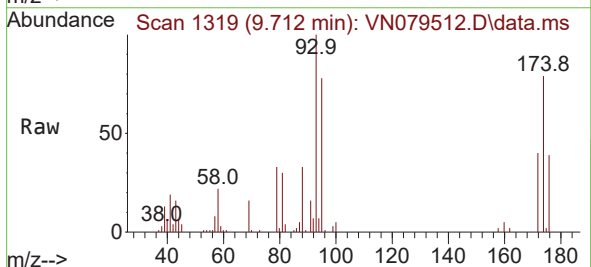
Manual Integrations
APPROVED

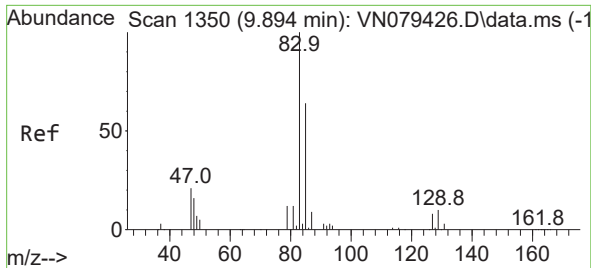
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#46
Dibromomethane
Concen: 19.788 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

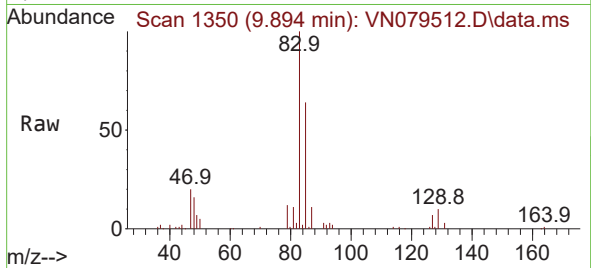
Tgt Ion: 93 Resp: 49913
Ion Ratio Lower Upper
93 100
95 82.7 63.8 95.8
174 84.7 65.6 98.4





#47
Bromodichloromethane
Concen: 19.321 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

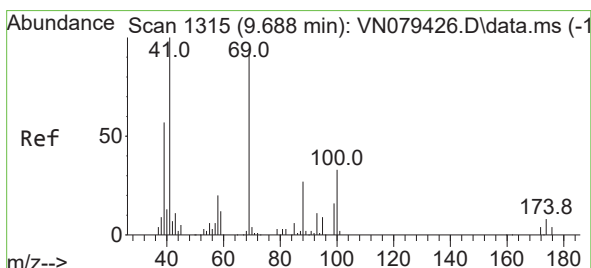
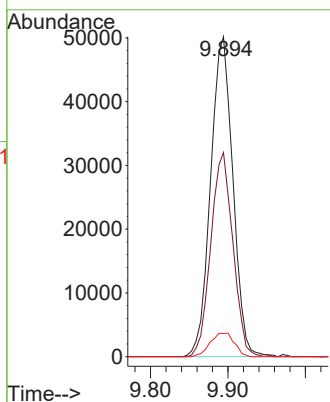
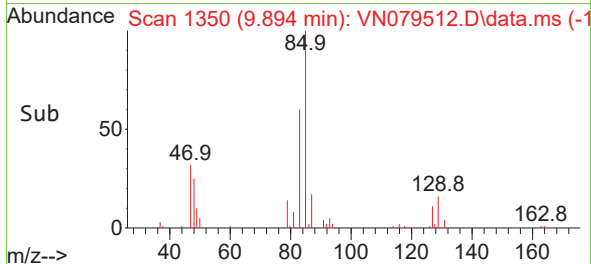
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 83 Resp: 10025
Ion Ratio Lower Upper
83 100
85 63.8 49.6 74.4
127 7.2 7.0 10.6

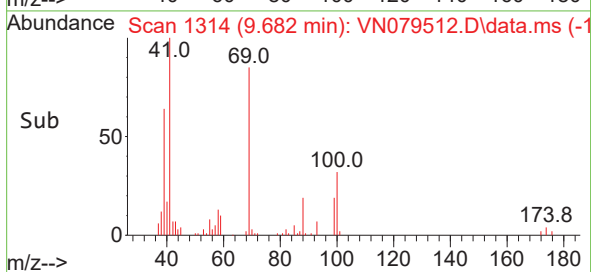
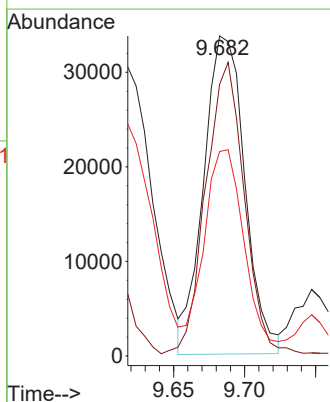
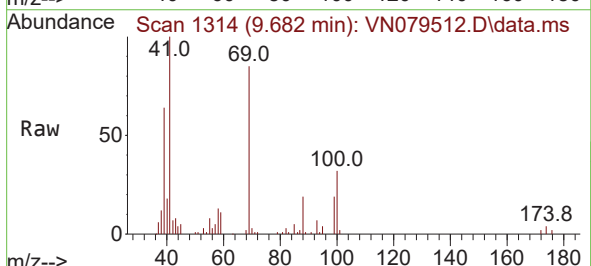
Manual Integrations
APPROVED

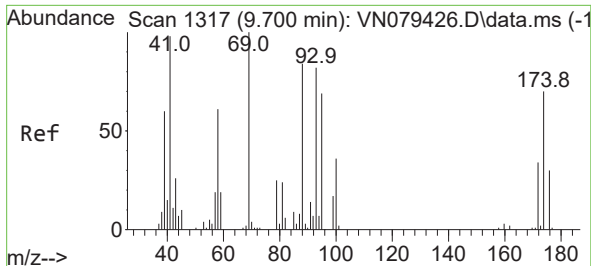
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#48
Methyl methacrylate
Concen: 18.256 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 41 Resp: 67878
Ion Ratio Lower Upper
41 100
69 87.8 90.4 135.6#
39 64.2 54.6 81.8





#49

1,4-Dioxane

Concen: 399.797 ug/l

RT: 9.706 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 88 Resp: 2738

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6

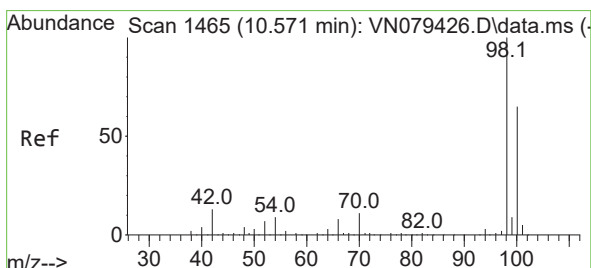
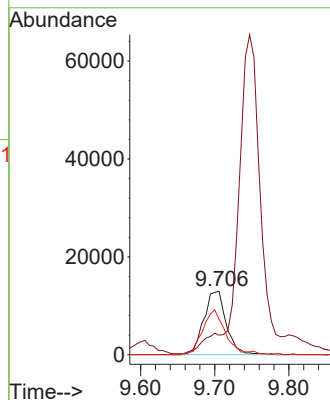
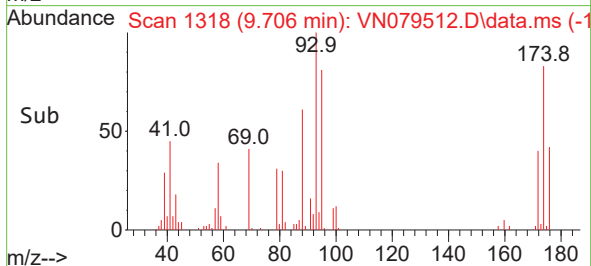
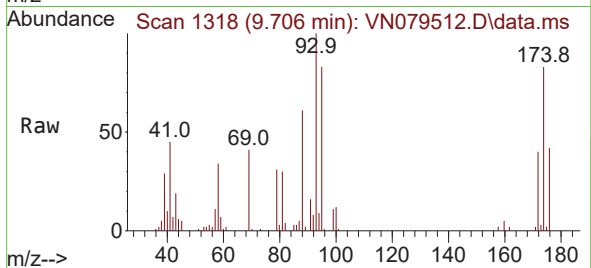
58 71.9 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#50

Toluene-d8

Concen: 50.779 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079512.D

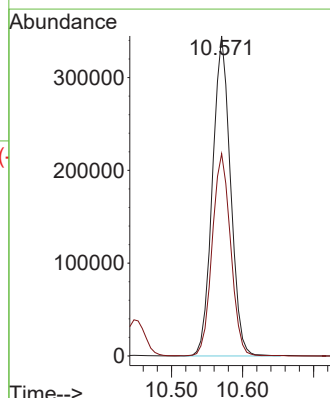
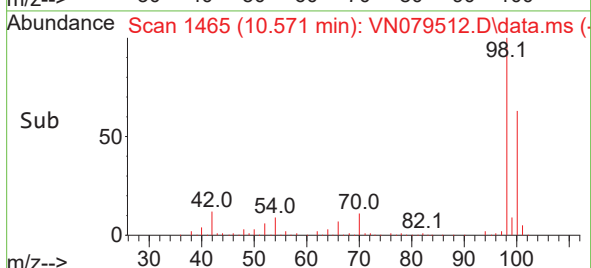
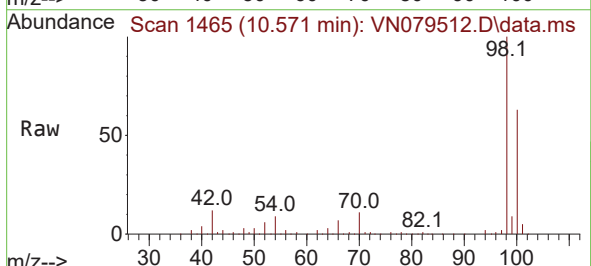
Acq: 11 Oct 2023 13:02

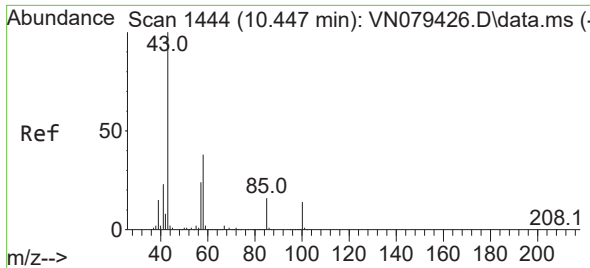
Tgt Ion: 98 Resp: 609315

Ion Ratio Lower Upper

98 100

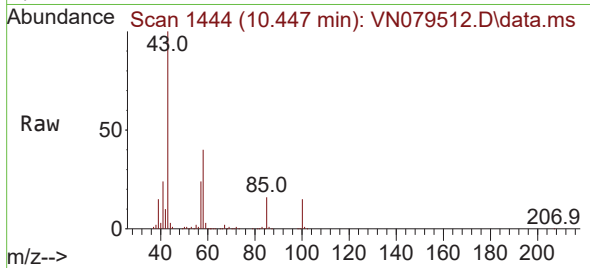
100 64.1 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 95.721 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

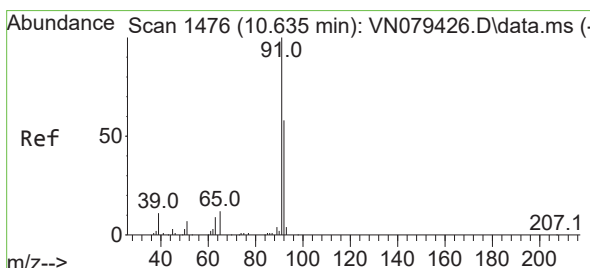
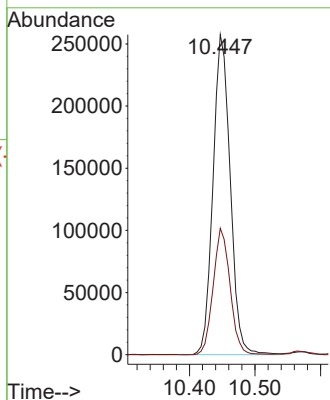
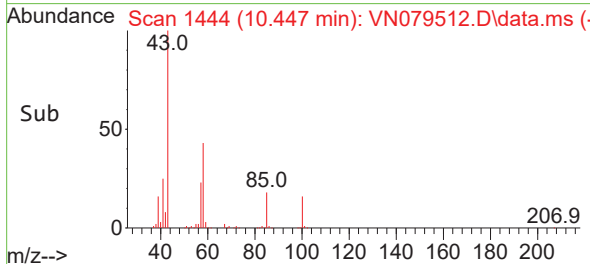
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 43 Resp: 468848
Ion Ratio Lower Upper
43 100
58 38.8 36.6 54.8

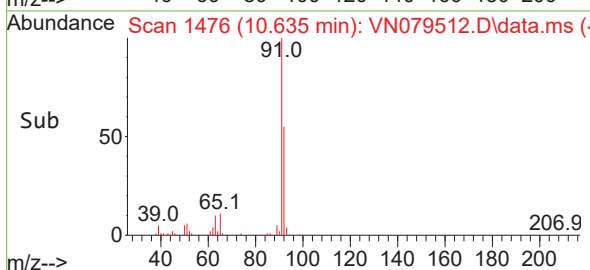
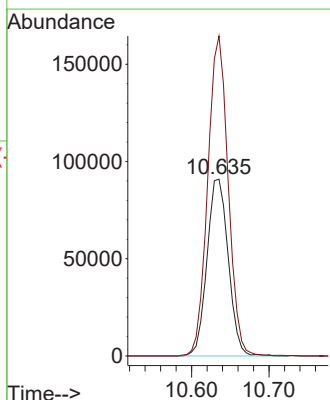
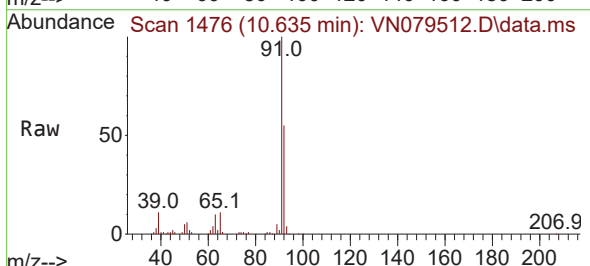
Manual Integrations
APPROVED

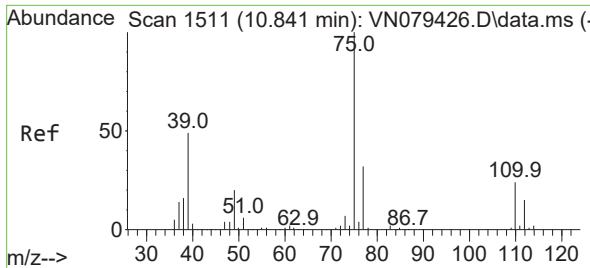
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#52
Toluene
Concen: 19.915 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

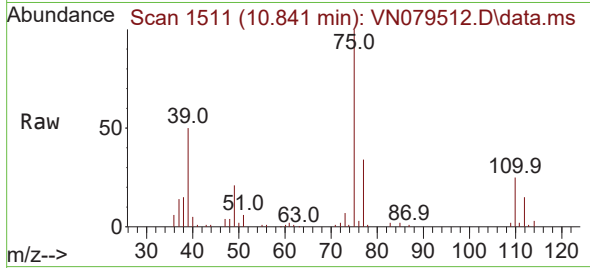
Tgt Ion: 92 Resp: 173287
Ion Ratio Lower Upper
92 100
91 174.3 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 19.622 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. -0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

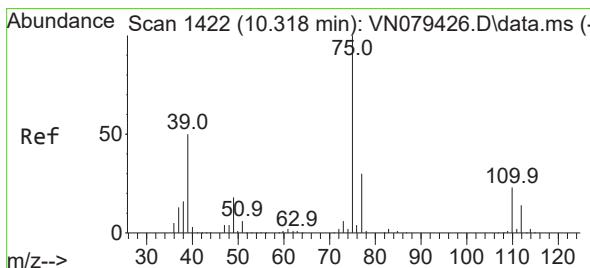
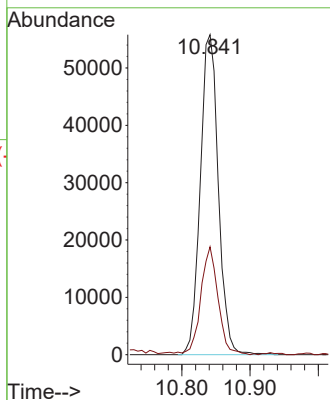
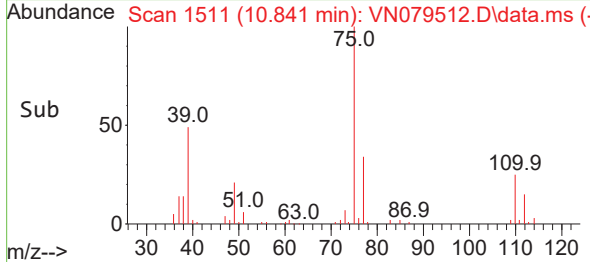
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01



Tgt Ion: 75 Resp: 102599
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.0

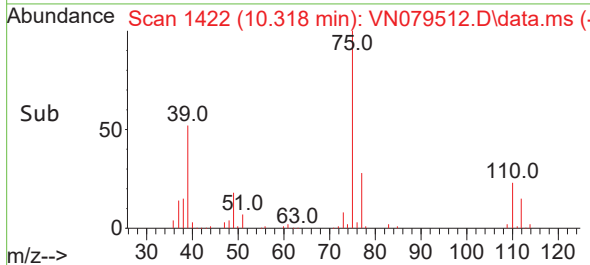
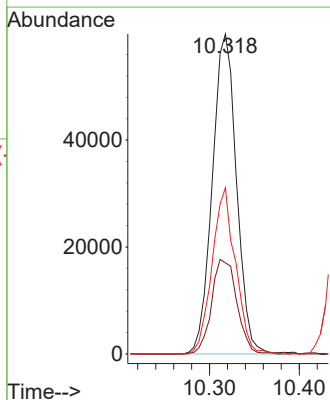
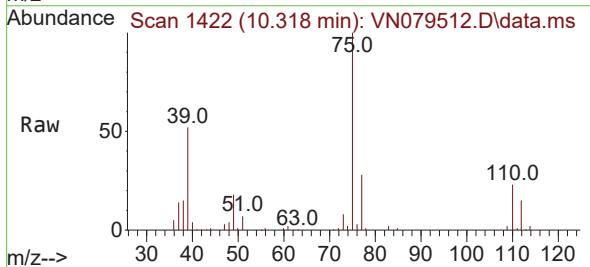
Manual Integrations
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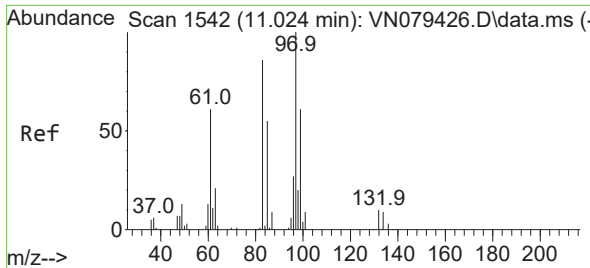
Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023



#54
 cis-1,3-Dichloropropene
 Concen: 19.546 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

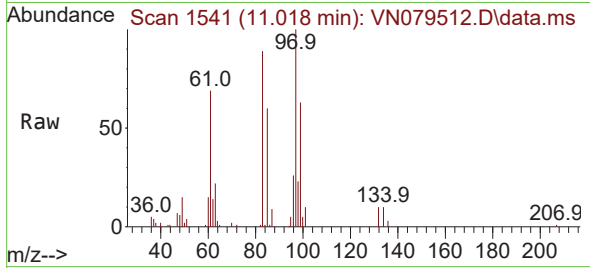
Tgt Ion: 75 Resp: 111884
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.1 39.1
 39 51.9 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 19.239 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

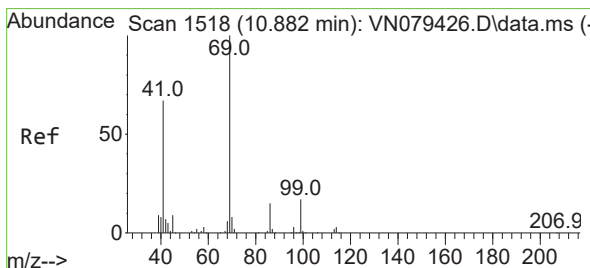
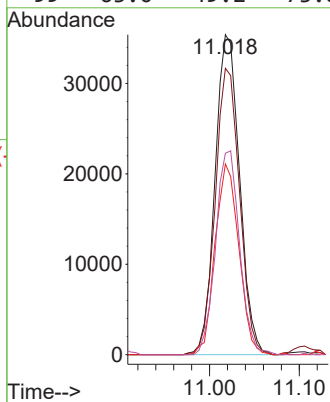
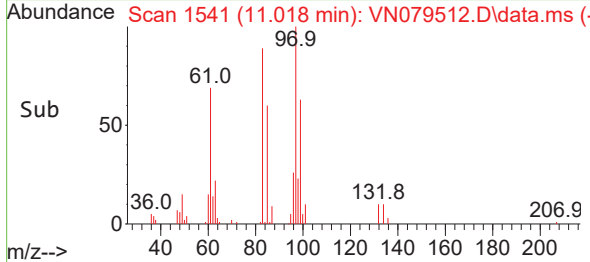
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 97	Resp: 6720
Ion Ratio	Lower Upper
97 100	
83 89.5	65.1 97.7
85 59.6	43.4 65.2
99 63.0	49.2 73.8

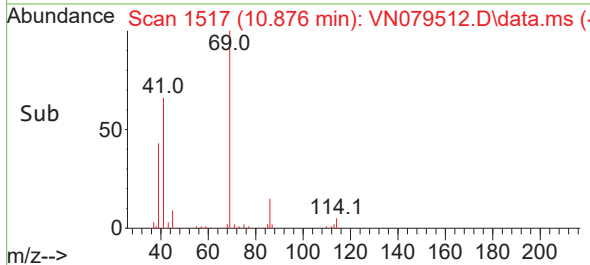
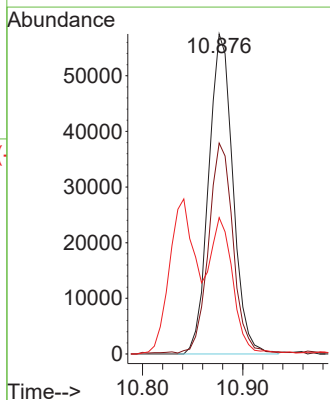
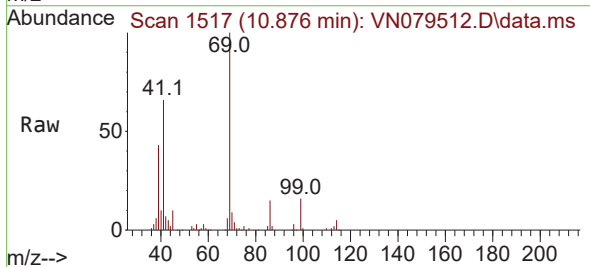
Manual Integrations
APPROVED

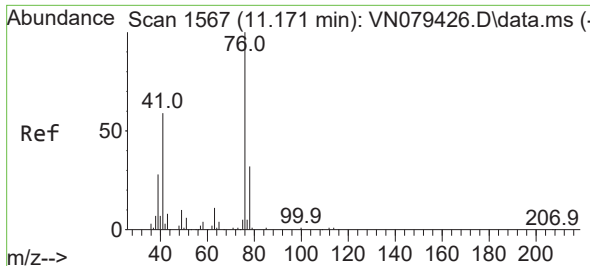
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#56
Ethyl methacrylate
Concen: 20.156 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion: 69	Resp: 96753
Ion Ratio	Lower Upper
69 100	
41 67.6	39.6 59.4
39 40.6	28.6 43.0





#57

1,3-Dichloropropane

Concen: 19.488 ug/l

RT: 11.165 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VN079512.D

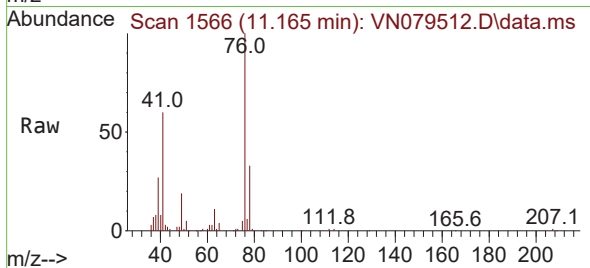
Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01



Tgt Ion: 76 Resp: 117550

Ion Ratio Lower Upper

76 100

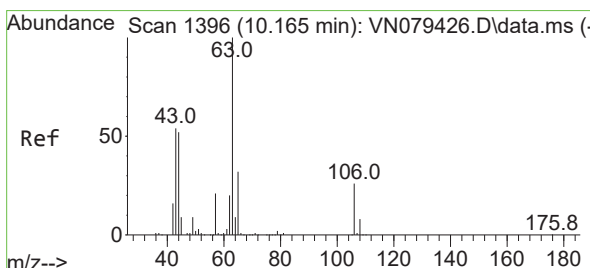
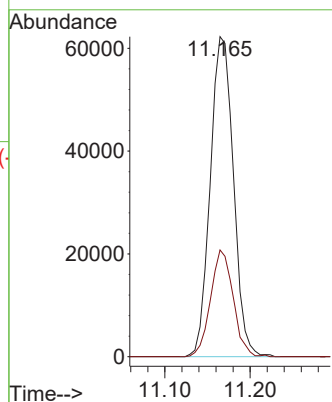
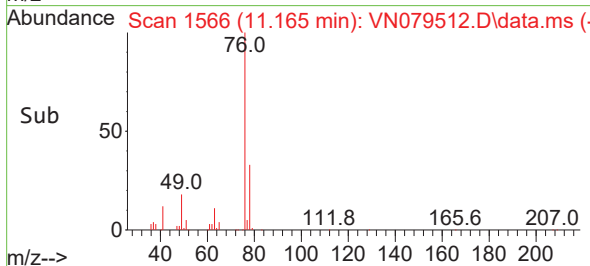
78 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 97.184 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN079512.D

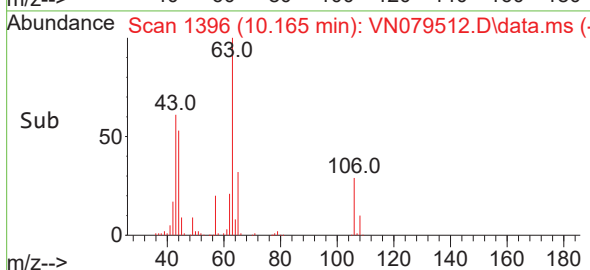
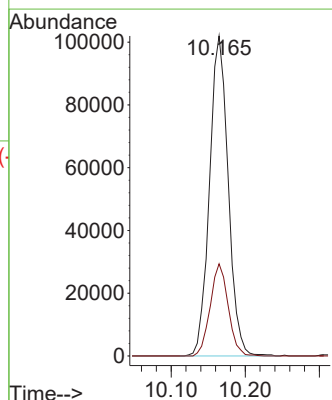
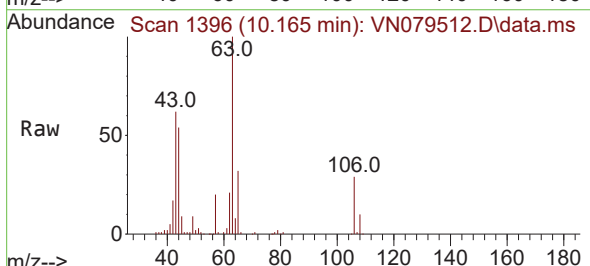
Acq: 11 Oct 2023 13:02

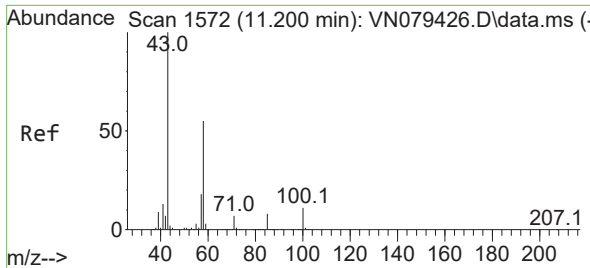
Tgt Ion: 63 Resp: 178652

Ion Ratio Lower Upper

63 100

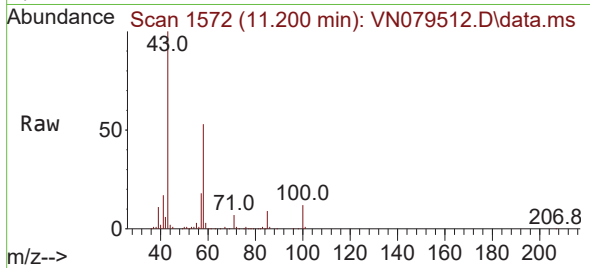
106 27.7 26.2 39.4





#59
2-Hexanone
Concen: 95.947 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

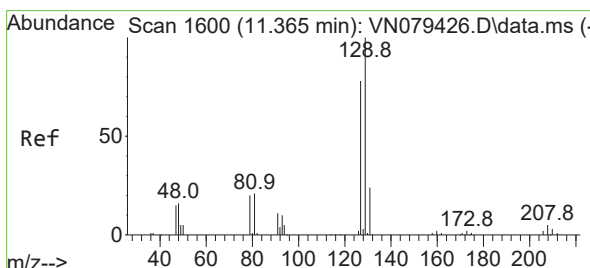
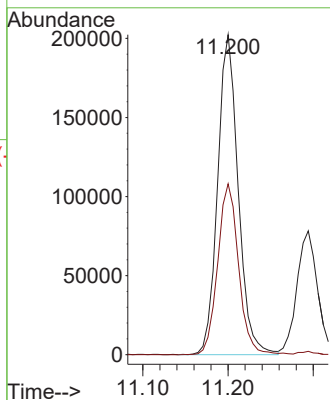
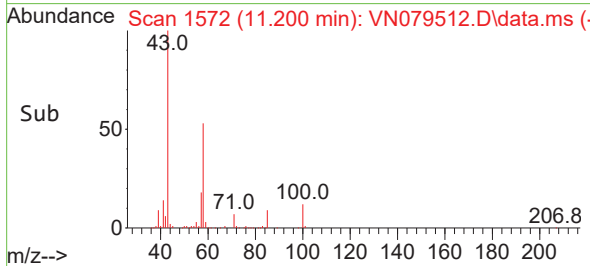
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 43 Resp: 33912
Ion Ratio Lower Upper
43 100
58 54.2 31.7 95.1

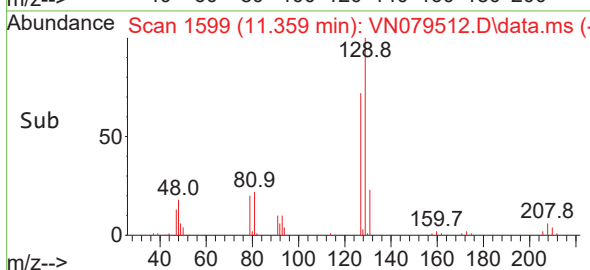
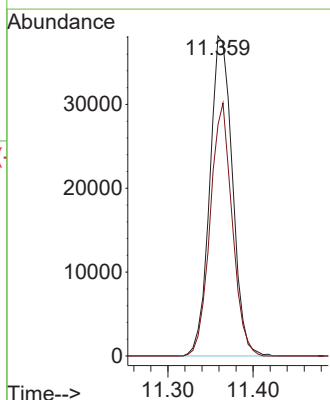
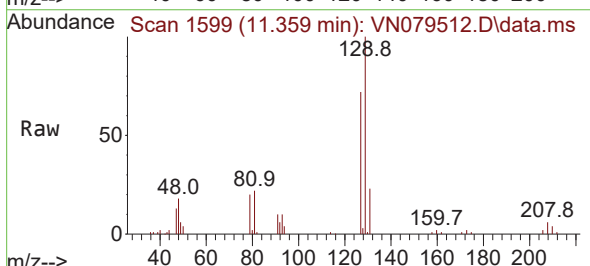
Manual Integrations
APPROVED

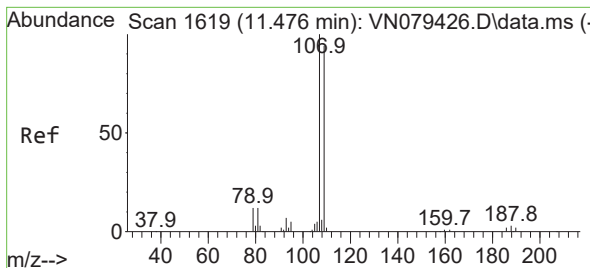
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#60
Dibromochloromethane
Concen: 20.066 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

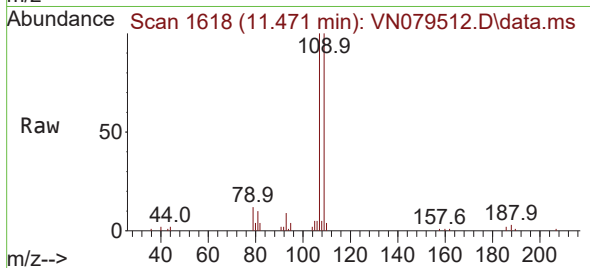
Tgt Ion:129 Resp: 70446
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 19.267 ug/l
RT: 11.471 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

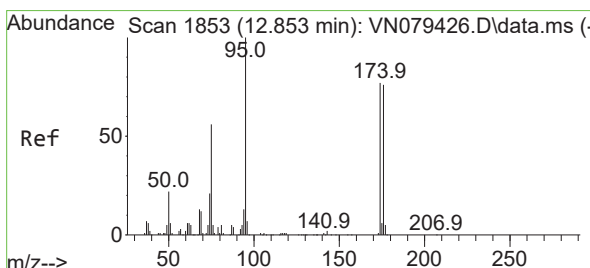
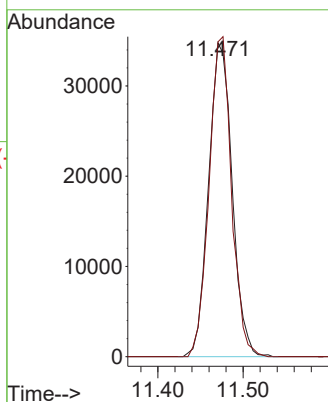
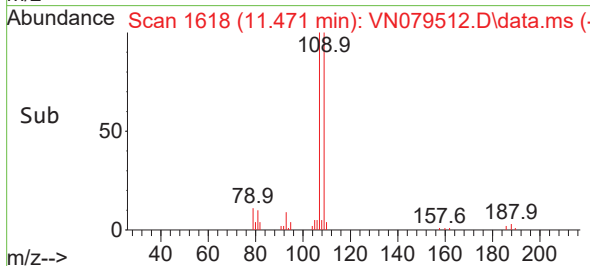
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



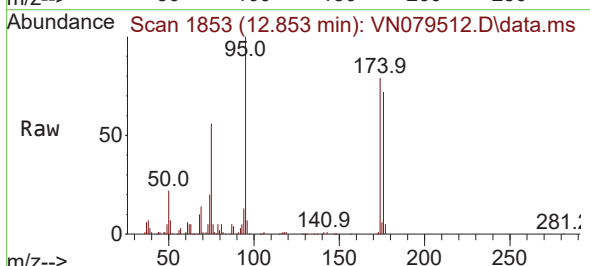
Tgt Ion:107 Resp: 66793
Ion Ratio Lower Upper
107 100
109 97.0 76.6 114.8

Manual Integrations
APPROVED

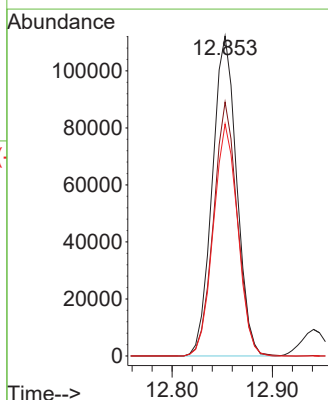
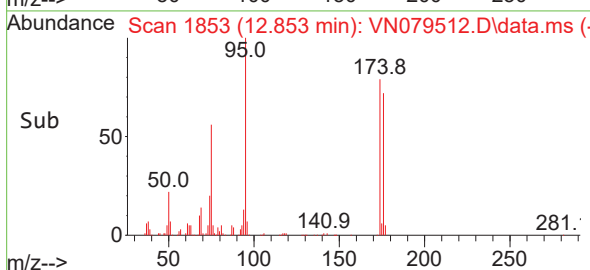
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

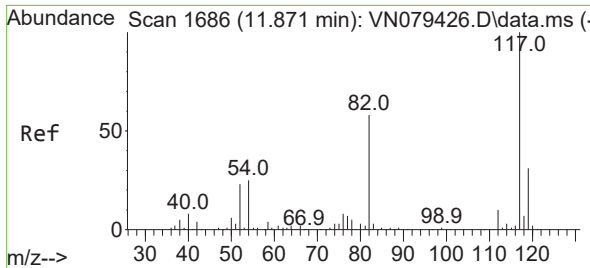


#62
4-Bromofluorobenzene
Concen: 49.204 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02



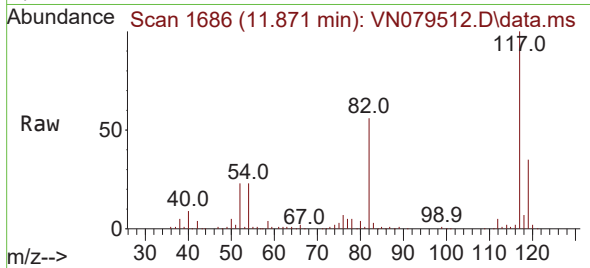
Tgt Ion: 95 Resp: 189480
Ion Ratio Lower Upper
95 100
174 77.7 0.0 143.8
176 72.4 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

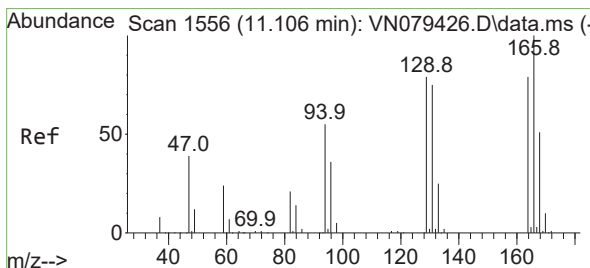
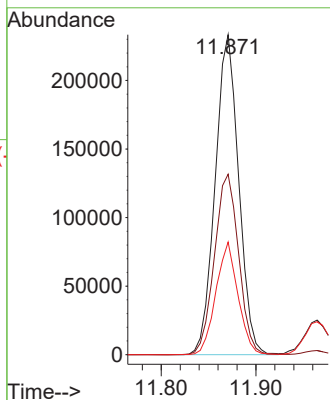
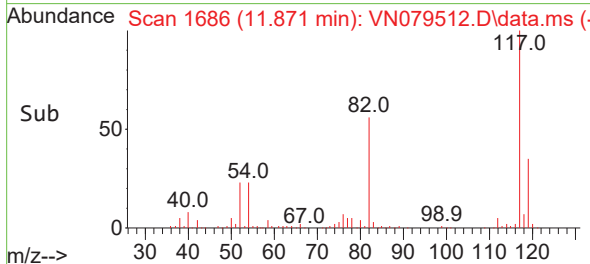
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion:117 Resp: 403082
Ion Ratio Lower Upper
117 100
82 56.4 44.0 66.0
119 35.2 25.6 38.4

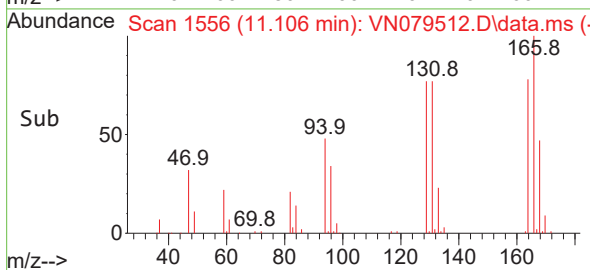
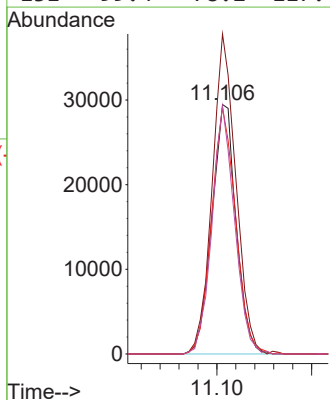
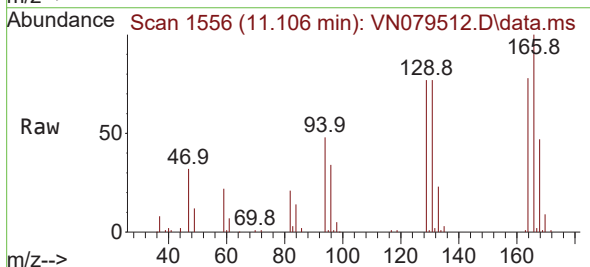
Manual Integrations
APPROVED

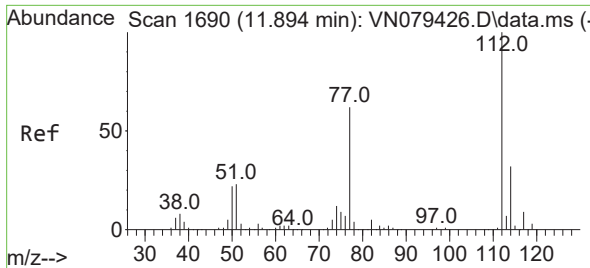
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#64
Tetrachloroethene
Concen: 18.858 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

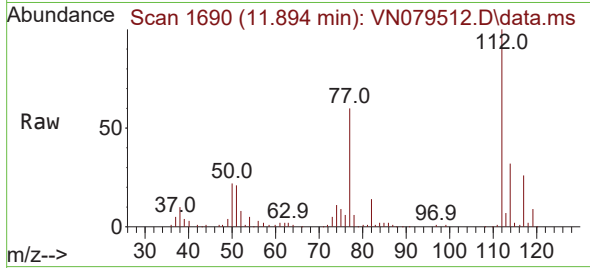
Tgt Ion:164 Resp: 52292
Ion Ratio Lower Upper
164 100
166 128.3 101.4 152.0
129 98.9 82.4 123.6
131 99.4 78.2 117.4





#65
Chlorobenzene
Concen: 19.688 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

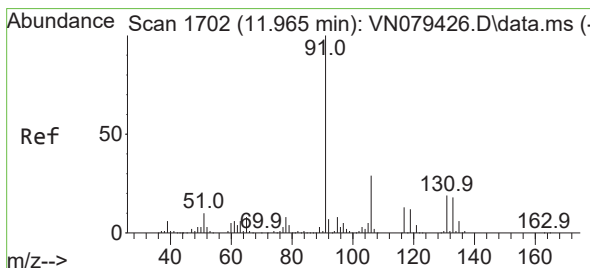
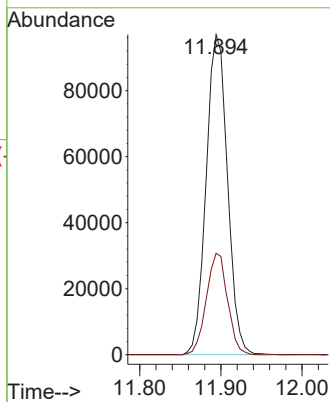
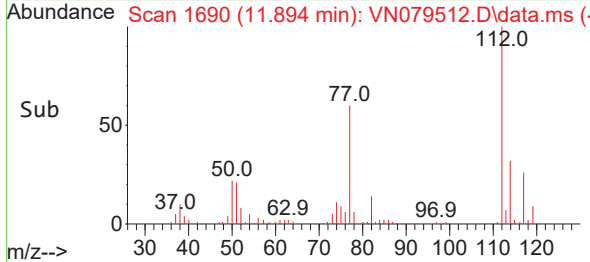
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion:112 Resp: 176729
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4

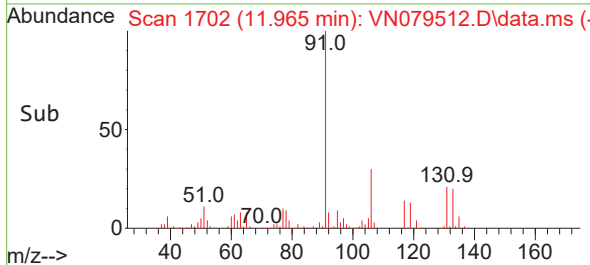
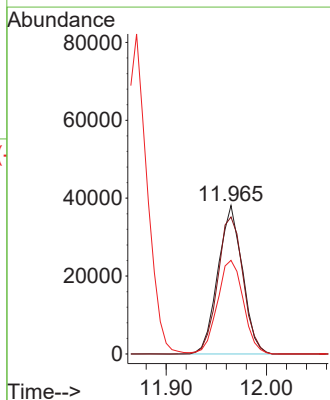
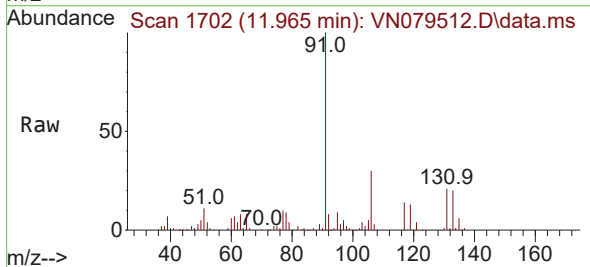
Manual Integrations
APPROVED

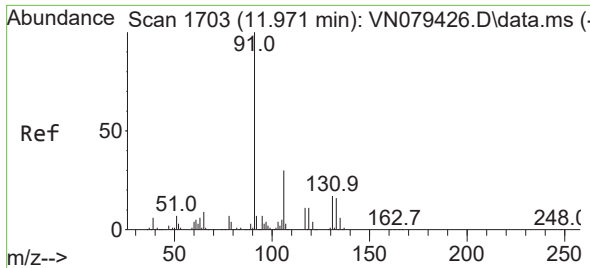
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 19.741 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

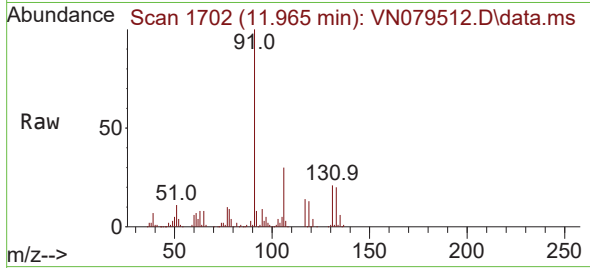
Tgt Ion:131 Resp: 64884
Ion Ratio Lower Upper
131 100
133 95.7 46.4 139.1
119 66.6 34.1 102.2





#67
Ethyl Benzene
Concen: 20.054 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

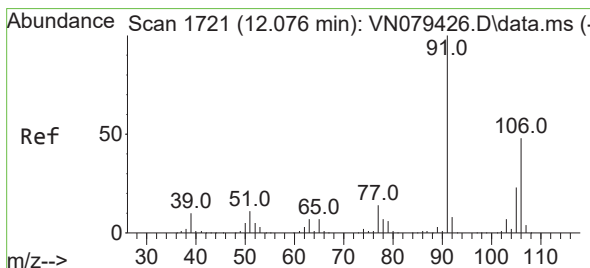
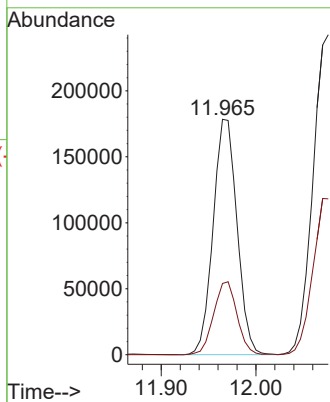
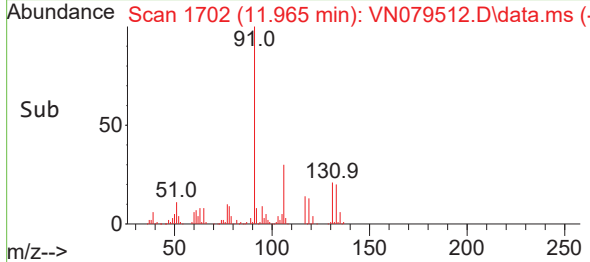
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 91 Resp: 31289
Ion Ratio Lower Upper
91 100
106 30.2 25.6 38.4

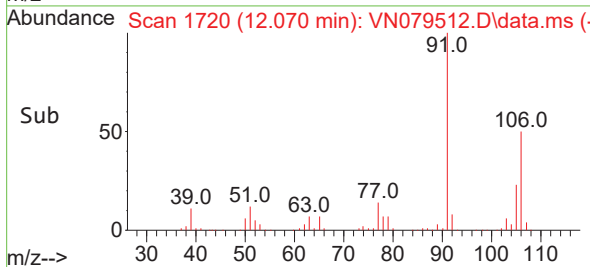
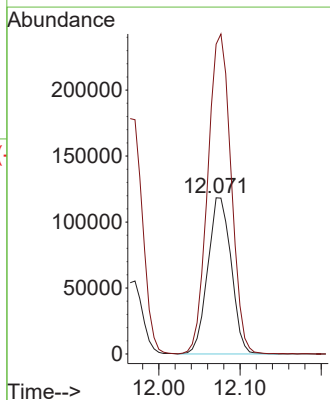
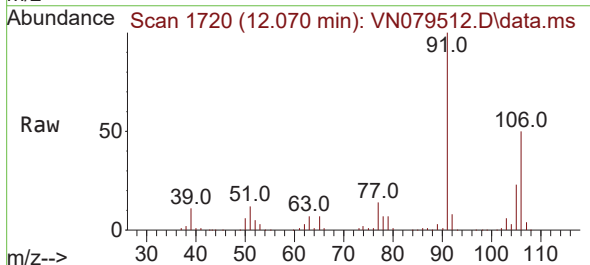
Manual Integrations
APPROVED

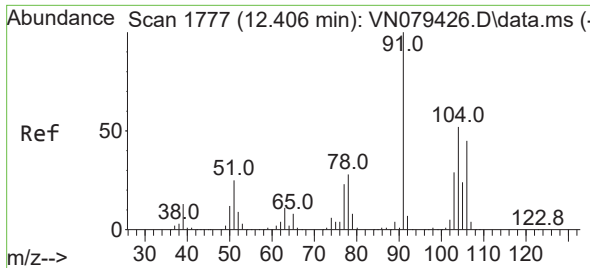
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#68
m/p-Xylenes
Concen: 41.852 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion:106 Resp: 237265
Ion Ratio Lower Upper
106 100
91 204.4 159.6 239.4





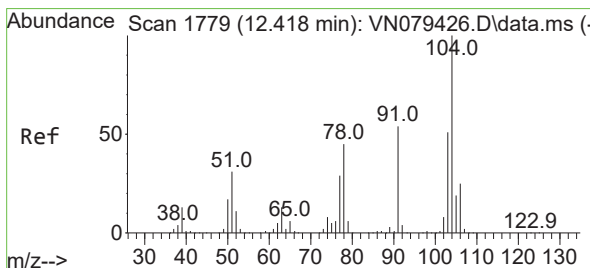
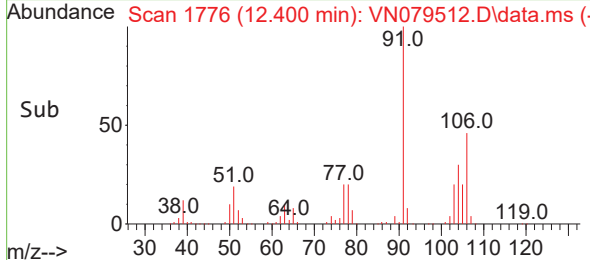
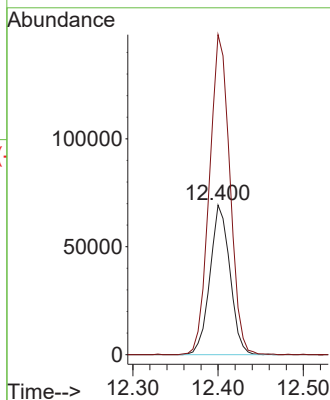
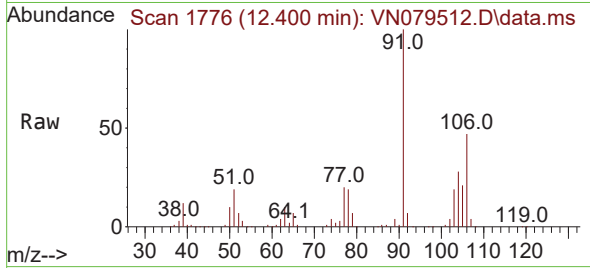
#69
o-Xylene
Concen: 20.209 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:106 Resp: 112670
Ion Ratio Lower Upper
106 100
91 219.6 105.2 315.5

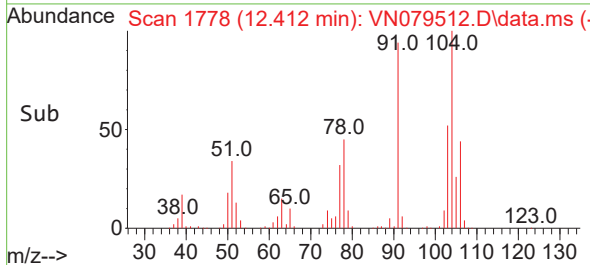
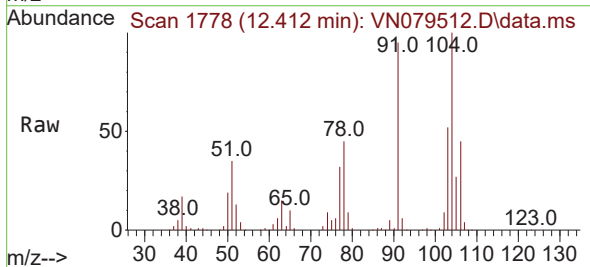
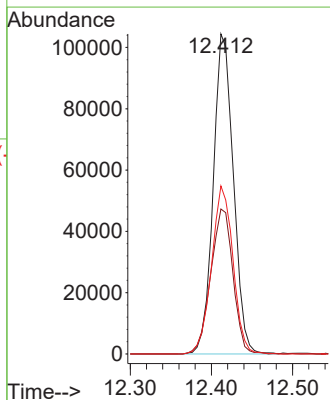
Manual Integrations
APPROVED

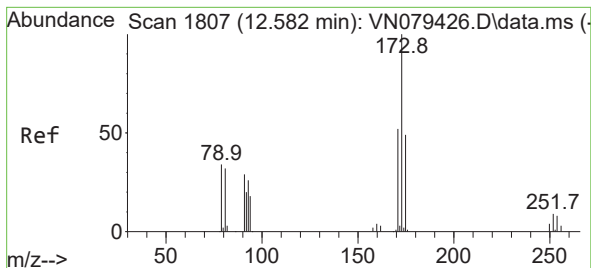
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#70
Styrene
Concen: 20.477 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion:104 Resp: 180330
Ion Ratio Lower Upper
104 100
78 49.9 39.5 59.3
103 55.7 43.2 64.8





#71

Bromoform

Concen: 19.165 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

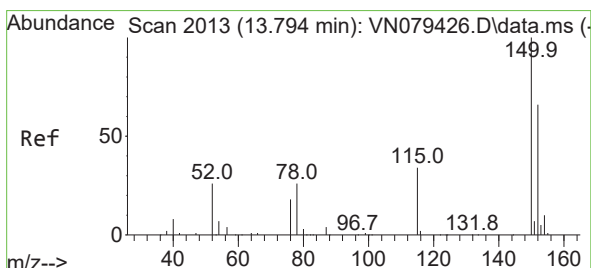
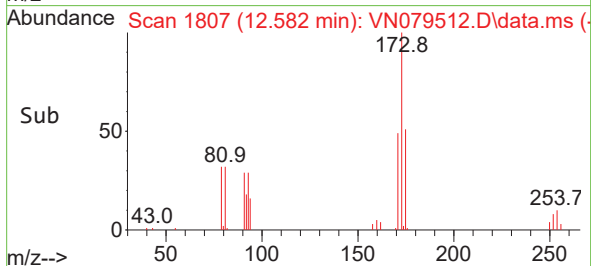
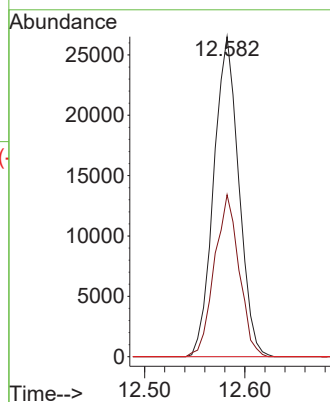
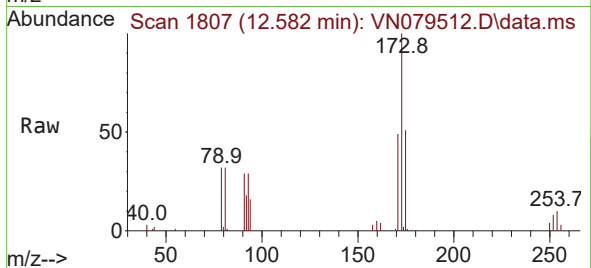
Tgt Ion:173 Resp: 4610
 Ion Ratio Lower Upper
 173 100
 175 49.8 24.3 73.0
 254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

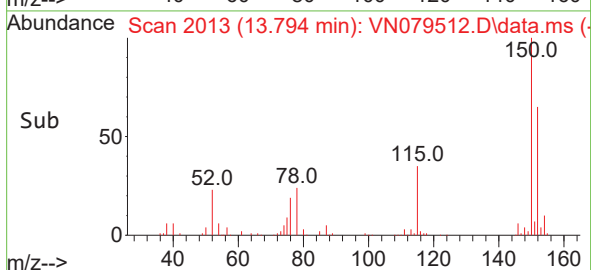
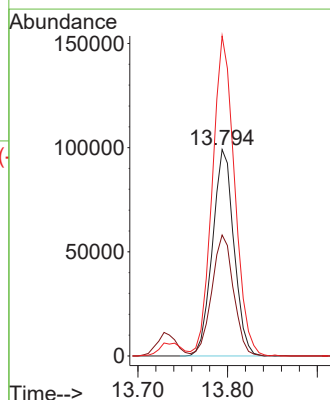
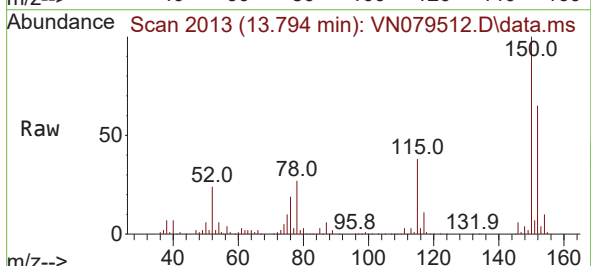
RT: 13.794 min Scan# 2013

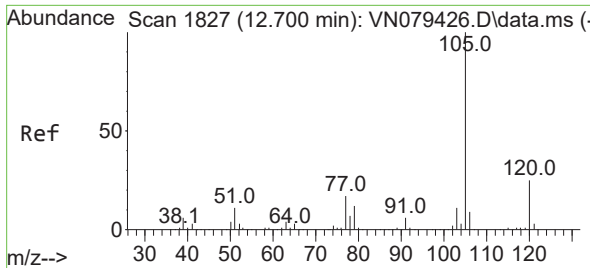
Delta R.T. 0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Tgt Ion:152 Resp: 164627
 Ion Ratio Lower Upper
 152 100
 115 59.5 32.3 96.8
 150 160.5 0.0 355.8





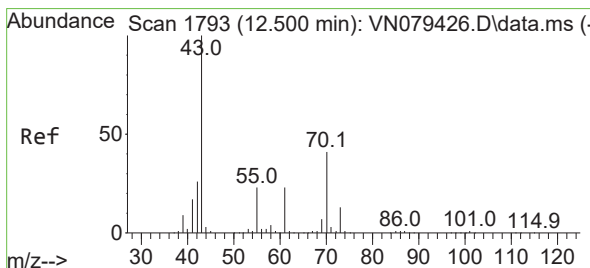
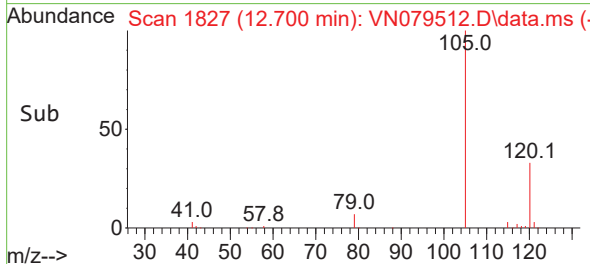
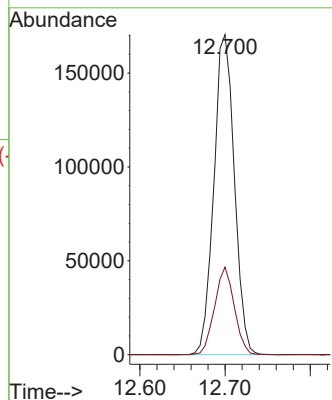
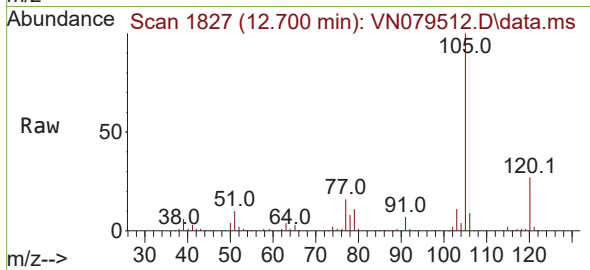
#73
Isopropylbenzene
Concen: 18.583 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:105 Resp: 28461
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.1

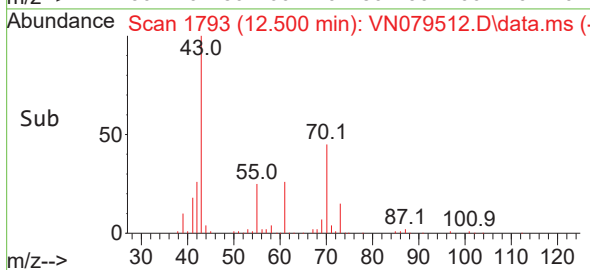
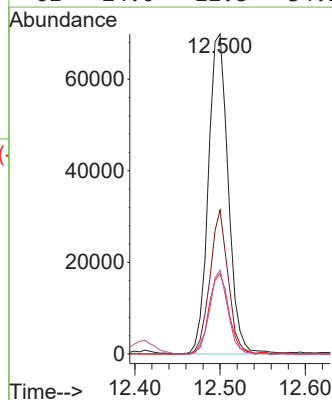
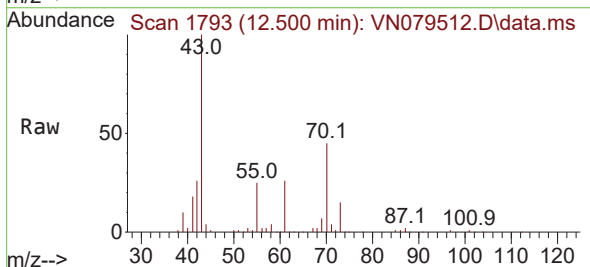
Manual Integrations
APPROVED

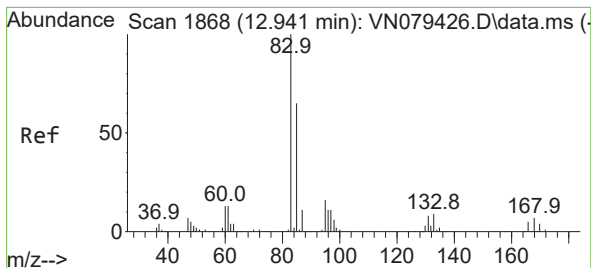
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#74
N-ethyl acetate
Concen: 18.061 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

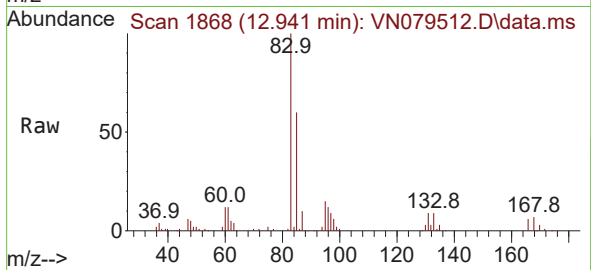
Tgt Ion: 43 Resp: 113400
Ion Ratio Lower Upper
43 100
70 41.1 43.4 65.2#
55 25.3 21.4 32.0
61 24.0 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.166 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

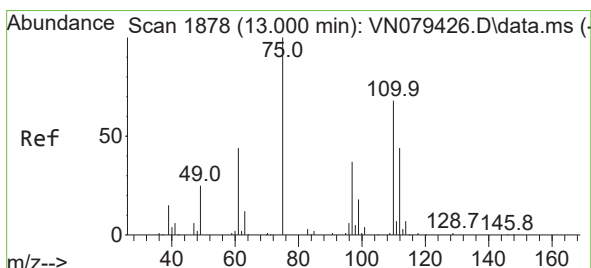
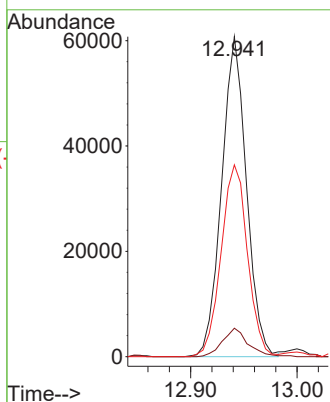
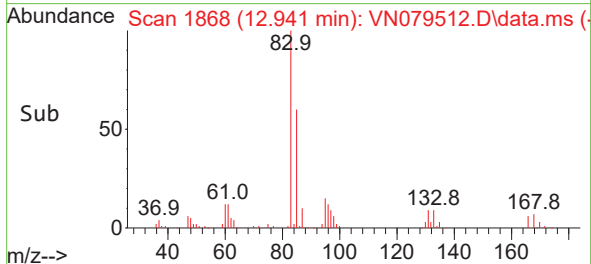
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 83 Resp: 98450
Ion Ratio Lower Upper
83 100
131 9.2 5.0 15.0
85 63.6 31.9 95.7

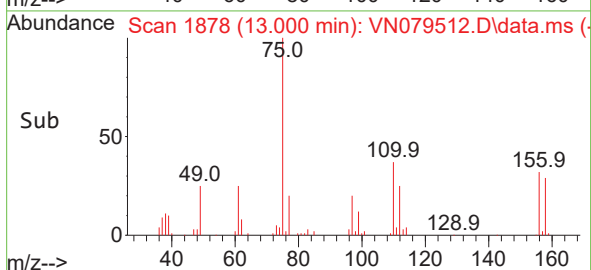
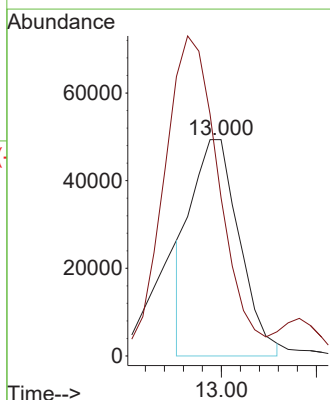
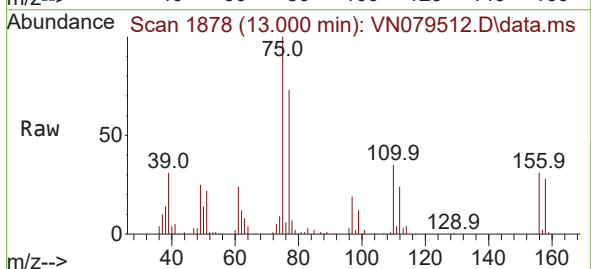
Manual Integrations
APPROVED

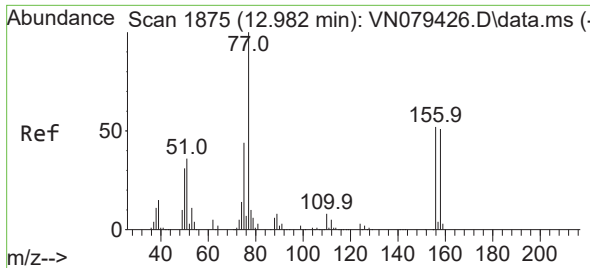
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#76
1,2,3-Trichloropropane
Concen: 18.377 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

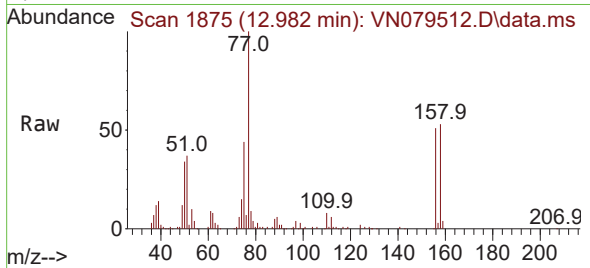
Tgt Ion: 75 Resp: 87228
Ion Ratio Lower Upper
75 100
77 169.8 84.5 253.5





#77
Bromobenzene
Concen: 17.683 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

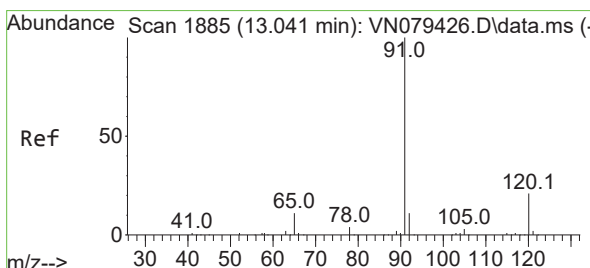
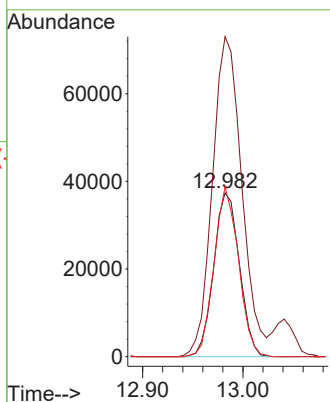
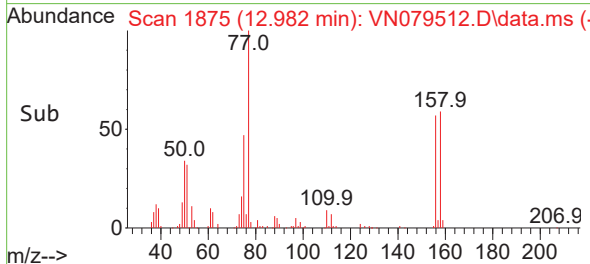
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



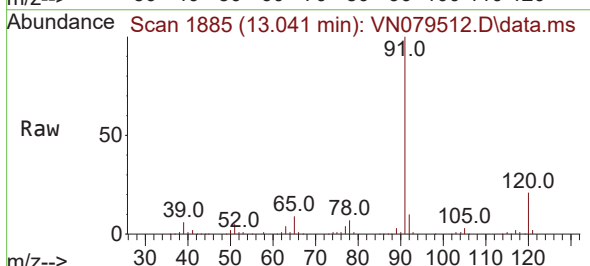
Tgt Ion:156 Resp: 6640
Ion Ratio Lower Upper
156 100
77 223.1 107.7 323.3
158 98.6 48.4 145.3

Manual Integrations
APPROVED

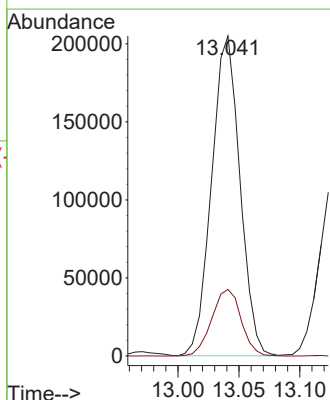
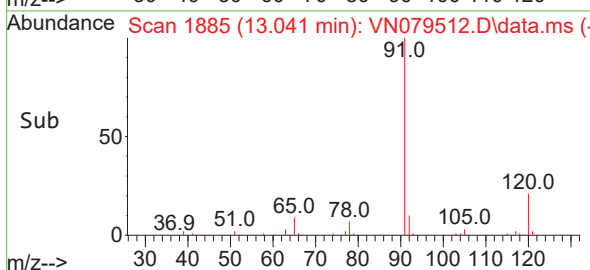
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

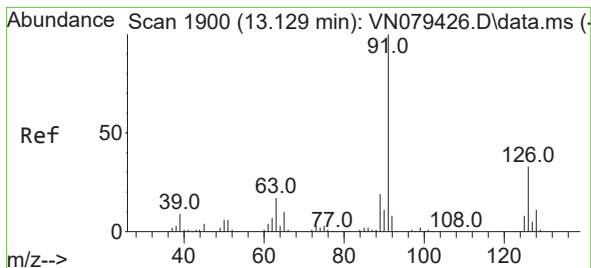


#78
n-propylbenzene
Concen: 19.170 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02



Tgt Ion: 91 Resp: 332186
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4





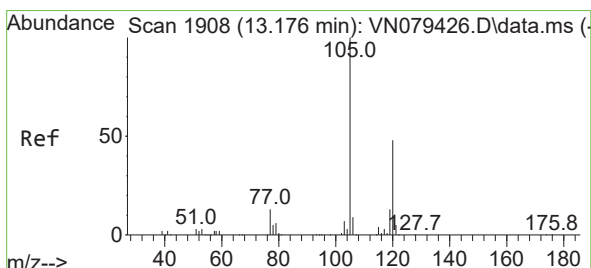
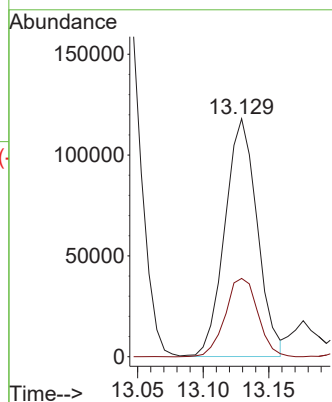
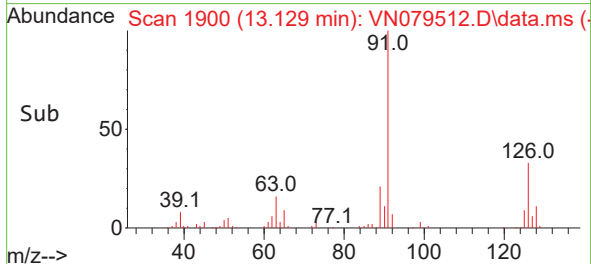
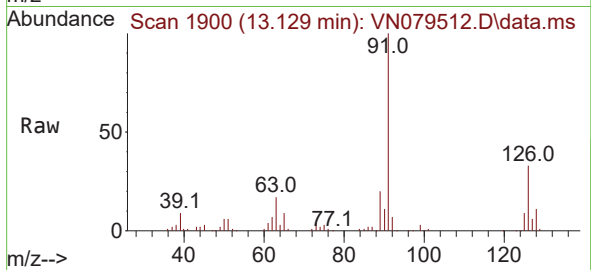
#79
2-Chlorotoluene
Concen: 18.262 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion: 91 Resp: 20249
Ion Ratio Lower Upper
91 100
126 33.1 16.3 48.8

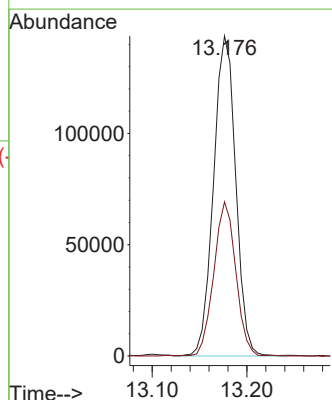
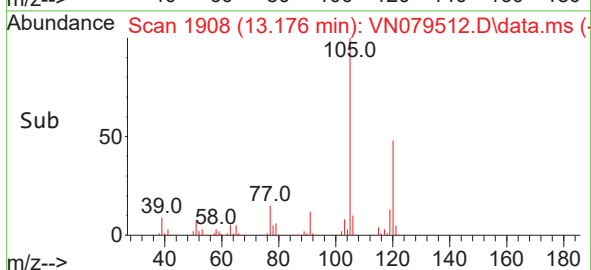
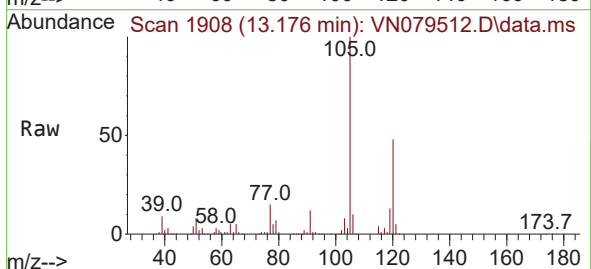
Manual Integrations
APPROVED

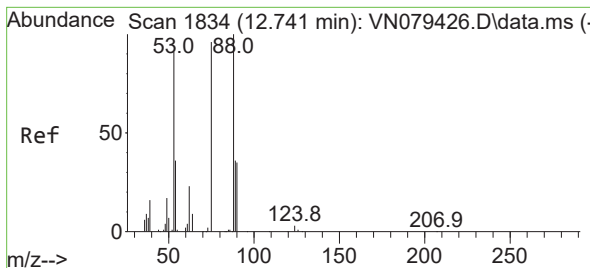
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#80
1,3,5-Trimethylbenzene
Concen: 19.388 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

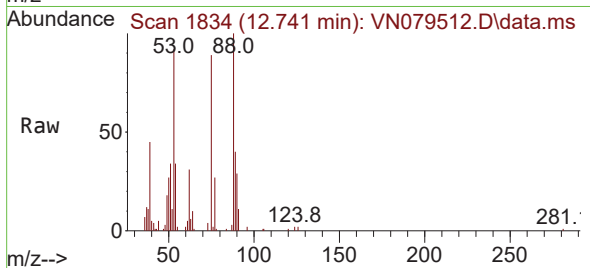
Tgt Ion:105 Resp: 234154
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 17.695 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

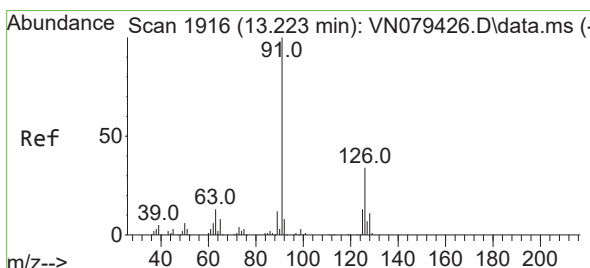
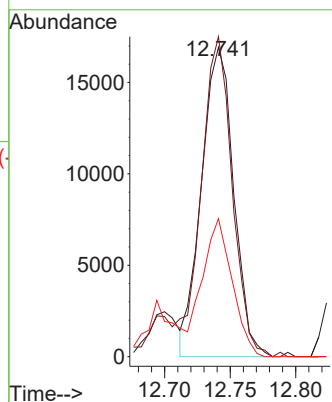
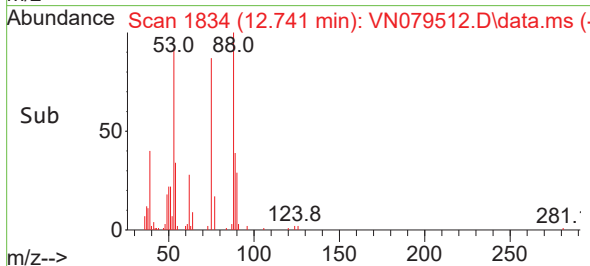
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion: 75 Resp: 2894
Ion Ratio Lower Upper
75 100
53 100.5 67.4 101.2
89 41.0 38.8 58.2

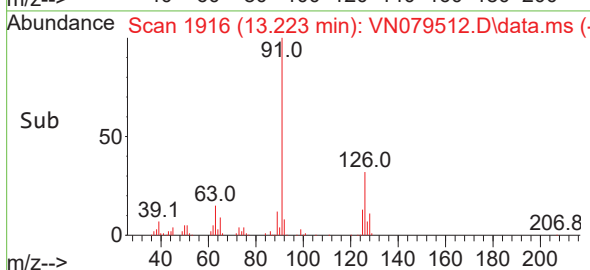
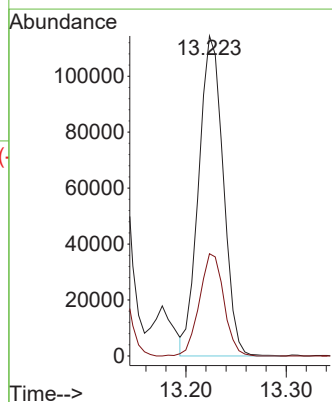
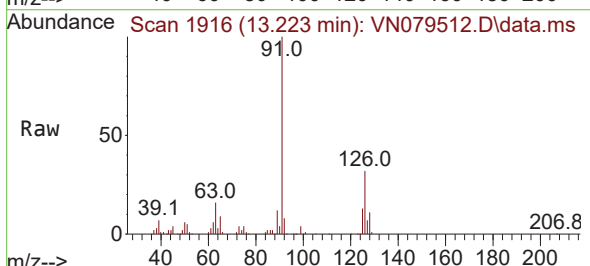
Manual Integrations
APPROVED

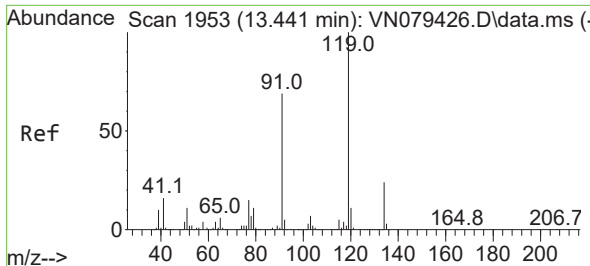
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#82
4-Chlorotoluene
Concen: 18.451 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

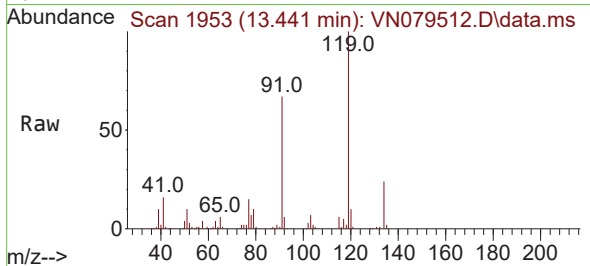
Tgt Ion: 91 Resp: 194680
Ion Ratio Lower Upper
91 100
126 31.8 16.7 50.0





#83
tert-Butylbenzene
Concen: 19.025 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

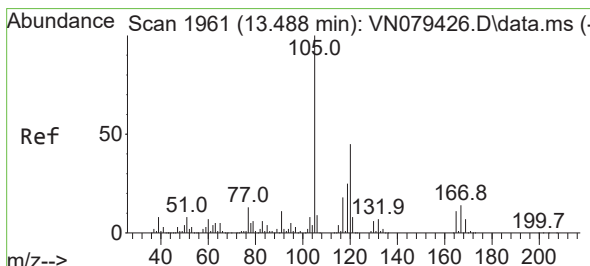
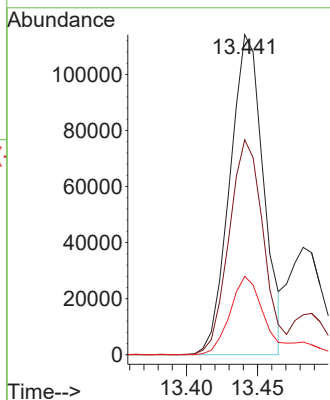
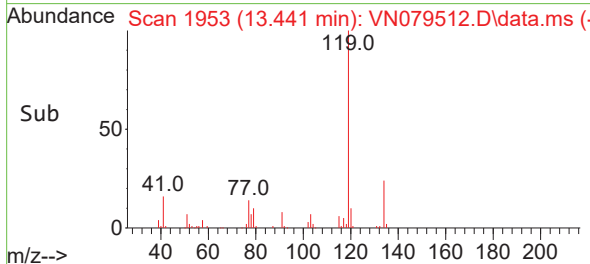
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



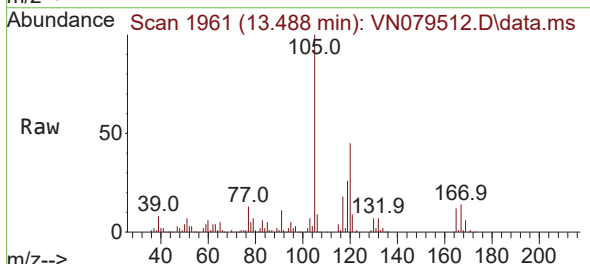
Tgt Ion:119 Resp: 18825
Ion Ratio Lower Upper
119 100
91 68.9 33.9 101.7
134 27.3 13.2 39.6

Manual Integrations
APPROVED

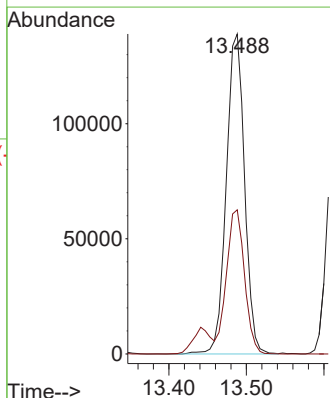
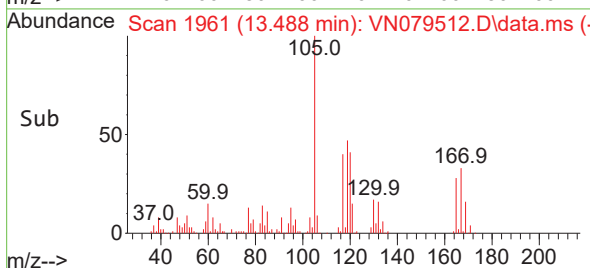
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

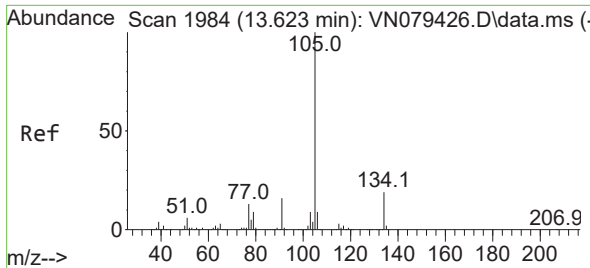


#84
1,2,4-Trimethylbenzene
Concen: 19.778 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02



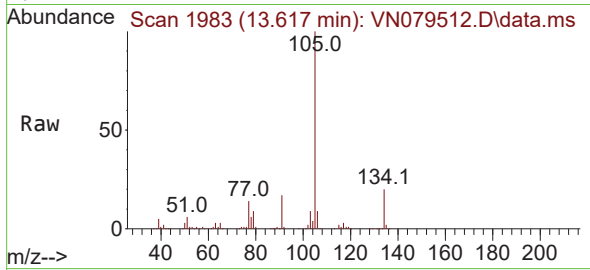
Tgt Ion:105 Resp: 227954
Ion Ratio Lower Upper
105 100
120 44.7 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 19.130 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

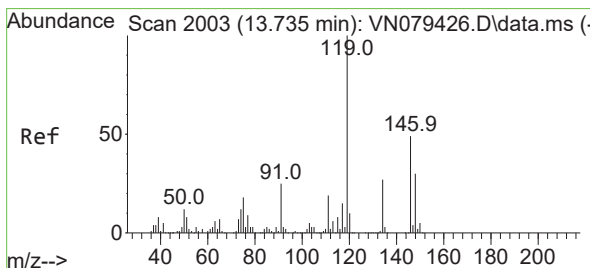
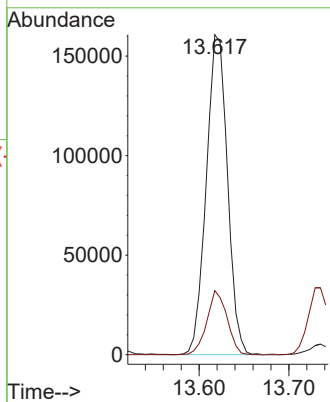
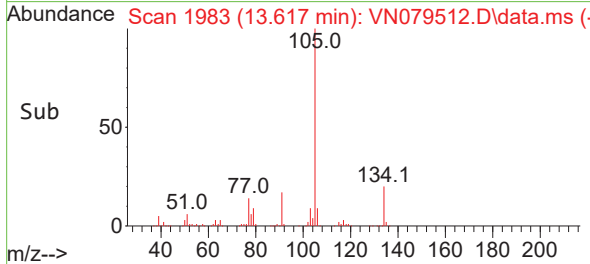
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01



Tgt Ion:105 Resp: 26403
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.8 29.3

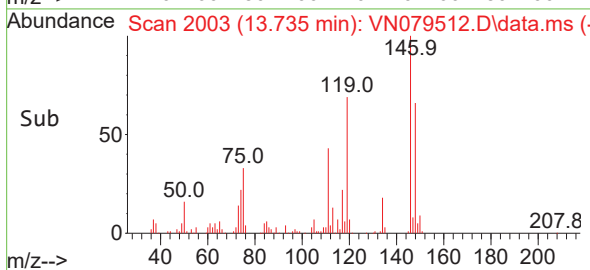
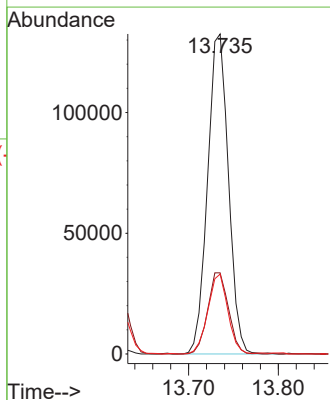
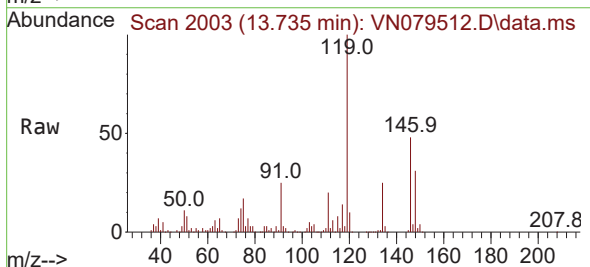
Manual Integrations
 APPROVED

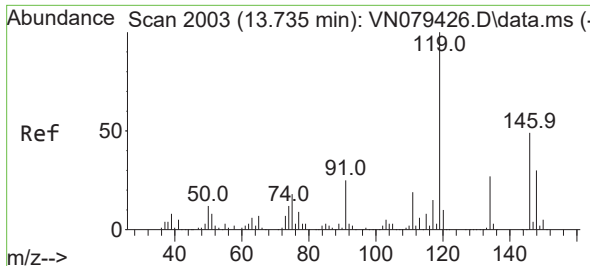
Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023



#86
 p-Isopropyltoluene
 Concen: 20.197 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079512.D
 Acq: 11 Oct 2023 13:02

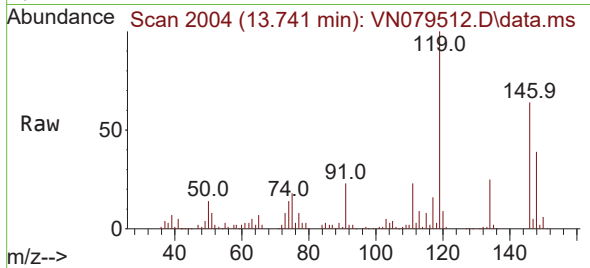
Tgt Ion:119 Resp: 213850
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.6 37.8
 91 24.0 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 18.936 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

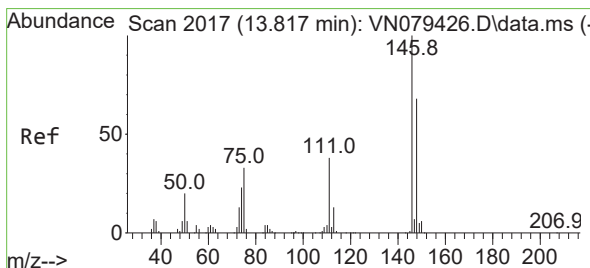
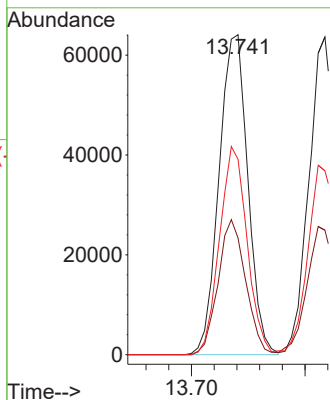
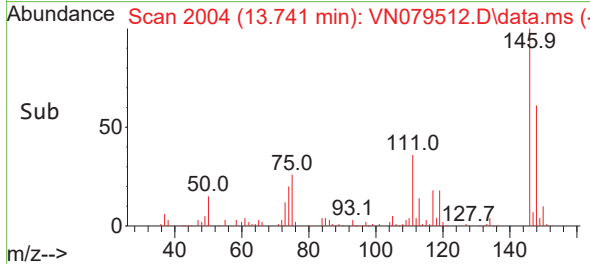
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion:146 Resp: 112790
Ion Ratio Lower Upper
146 100
111 40.6 22.1 66.3
148 62.8 32.0 96.0

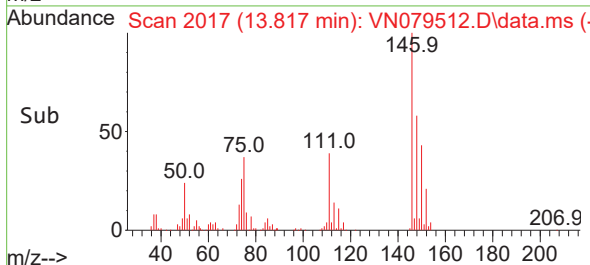
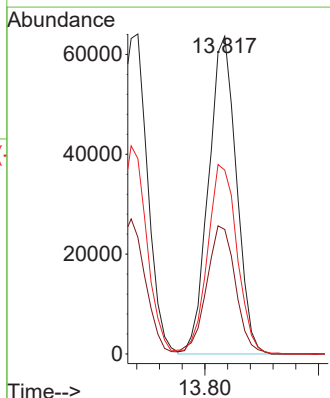
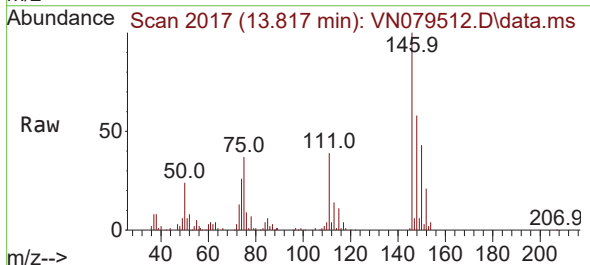
Manual Integrations
APPROVED

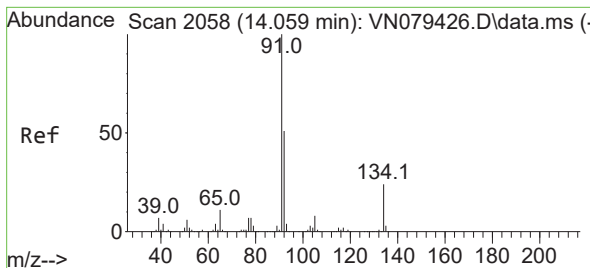
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#88
1,4-Dichlorobenzene
Concen: 17.593 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

Tgt Ion:146 Resp: 108199
Ion Ratio Lower Upper
146 100
111 42.0 20.6 61.8
148 62.9 31.6 94.8





#89

n-Butylbenzene

Concen: 18.783 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

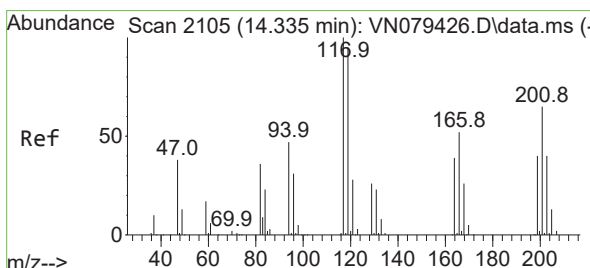
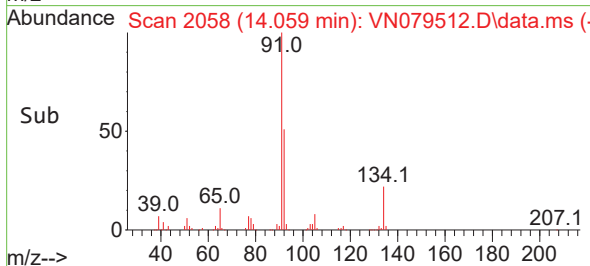
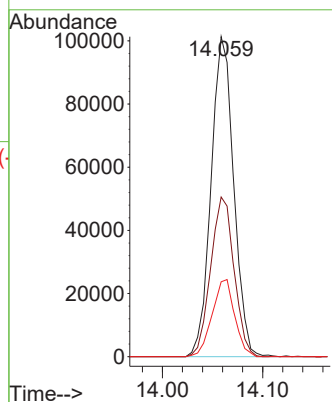
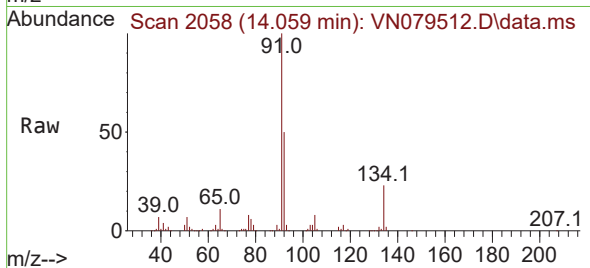
Tgt Ion:	91	Resp:	15881
Ion Ratio	Lower	Upper	
91	100		
92	51.6	26.4	79.0
134	24.0	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#90

Hexachloroethane

Concen: 19.577 ug/l

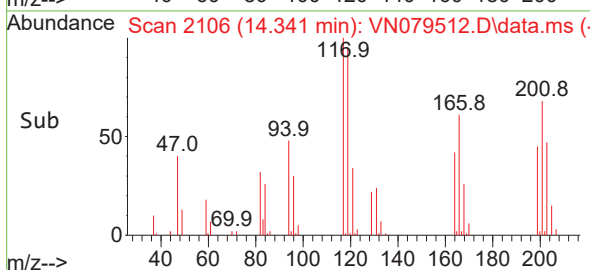
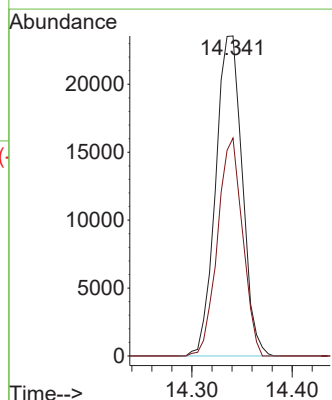
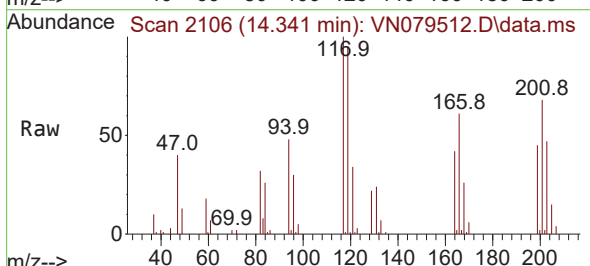
RT: 14.341 min Scan# 2106

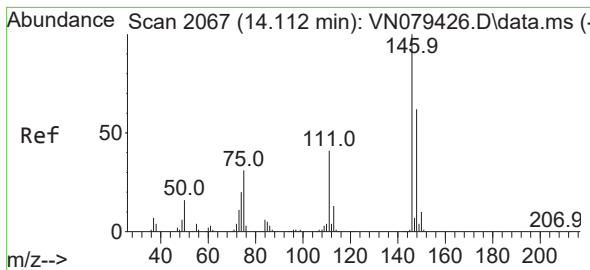
Delta R.T. 0.006 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

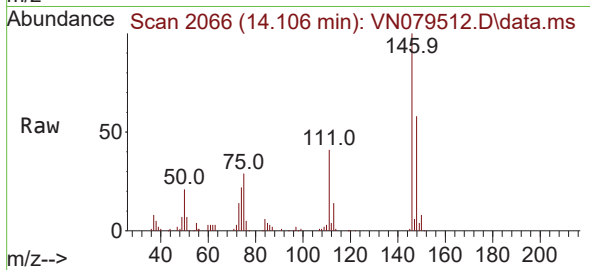
Tgt Ion:	117	Resp:	43449
Ion Ratio	Lower	Upper	
117	100		
201	64.0	29.3	88.0





#91
1,2-Dichlorobenzene
Concen: 18.439 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

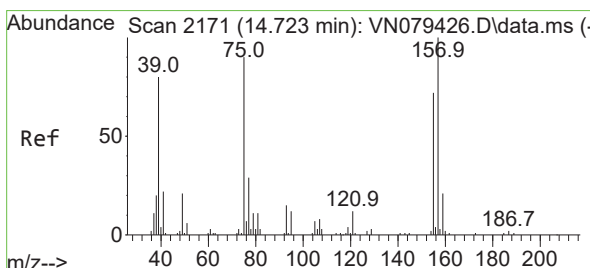
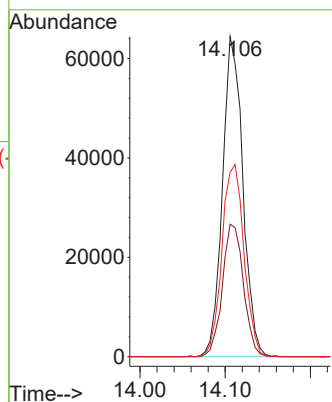
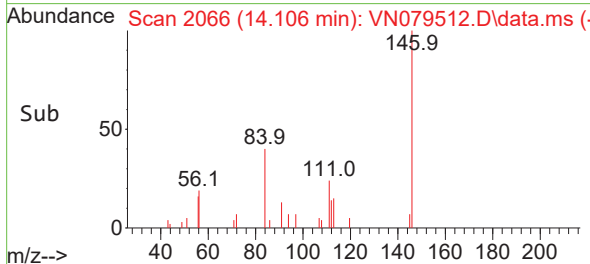
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



Tgt Ion:146 Resp: 107128
Ion Ratio Lower Upper
146 100
111 42.8 22.0 66.0
148 65.2 31.8 95.3

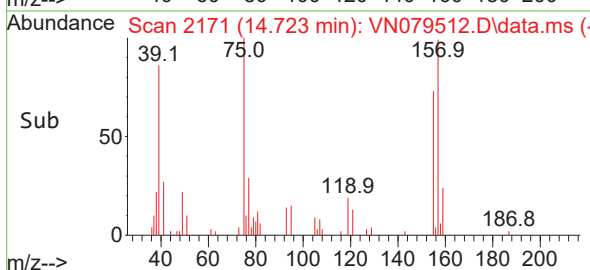
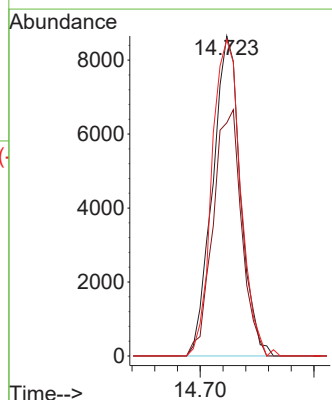
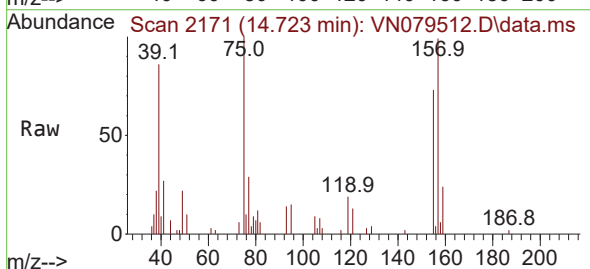
Manual Integrations
APPROVED

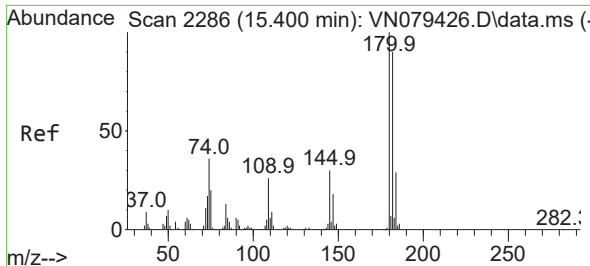
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.661 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

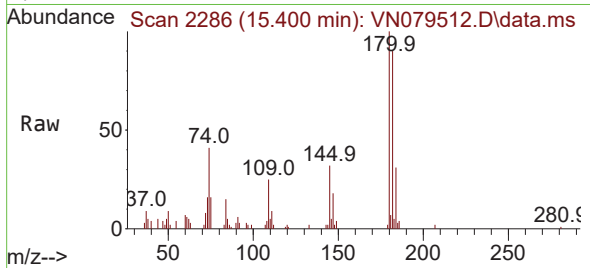
Tgt Ion: 75 Resp: 14755
Ion Ratio Lower Upper
75 100
155 78.7 39.1 117.2
157 101.6 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 16.567 ug/l
RT: 15.400 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02

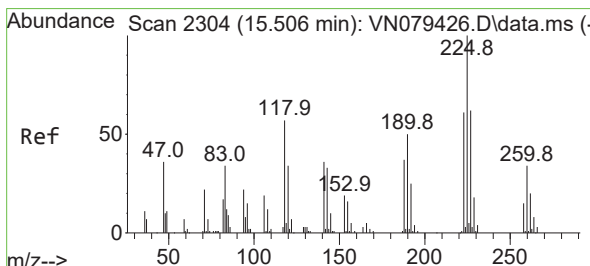
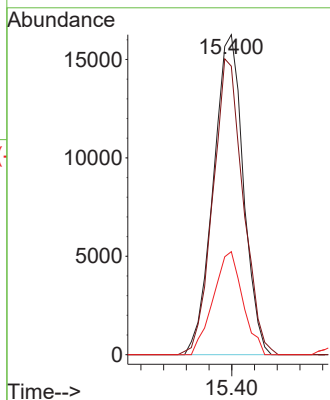
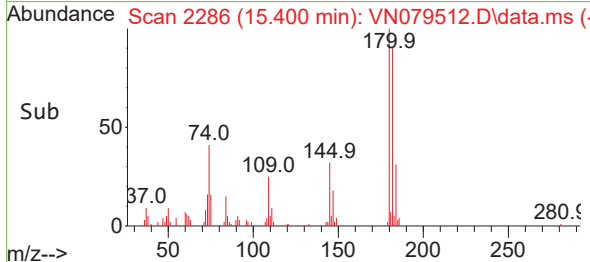
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01



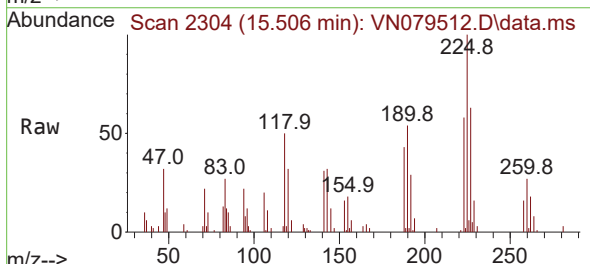
Tgt Ion:180 Resp: 2981
Ion Ratio Lower Upper
180 100
182 93.0 46.1 138.2
145 31.7 16.6 49.8

Manual Integrations
APPROVED

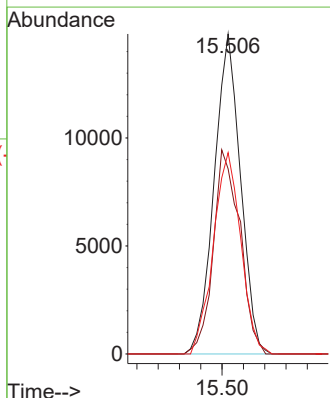
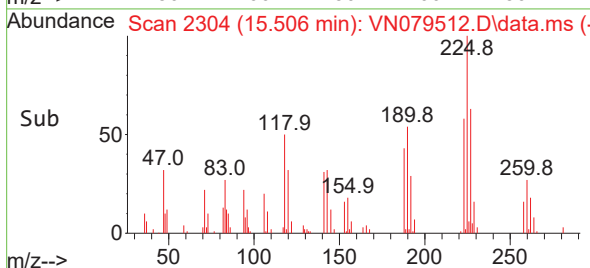
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

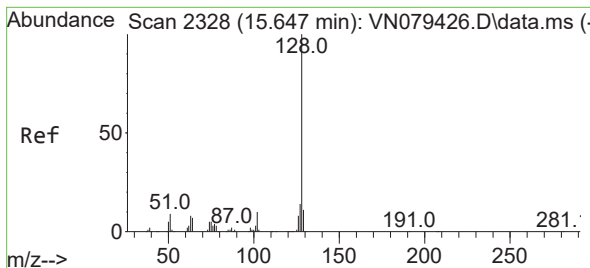


#94
Hexachlorobutadiene
Concen: 18.090 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN079512.D
Acq: 11 Oct 2023 13:02



Tgt Ion:225 Resp: 25353
Ion Ratio Lower Upper
225 100
223 64.6 31.3 93.8
227 65.9 31.9 95.9





#95

Naphthalene

Concen: 14.241 ug/l

RT: 15.641 min Scan# 2328

Delta R.T. -0.006 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

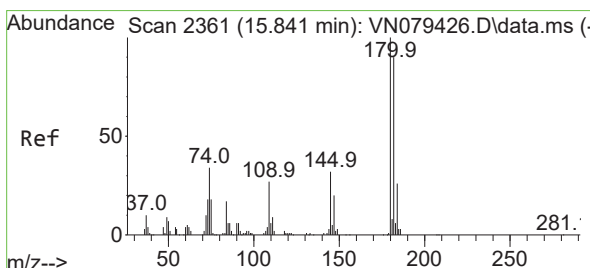
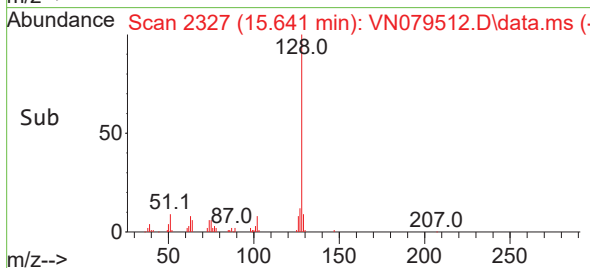
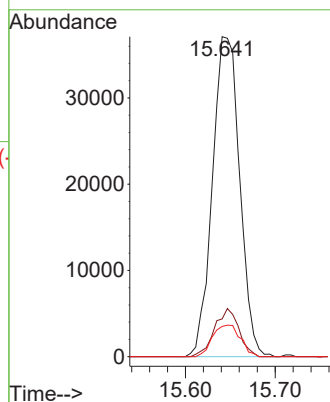
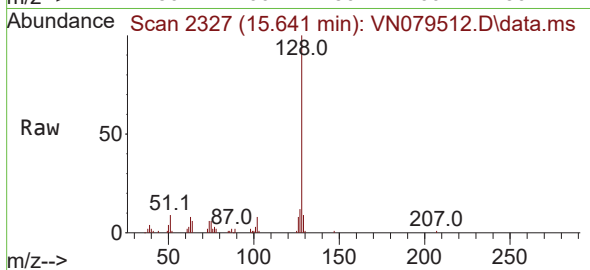
Tgt Ion:128	Resp: 78254
Ion Ratio	Lower Upper
128 100	
127 13.5	10.0 15.0
129 10.1	8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#96

1,2,3-Trichlorobenzene

Concen: 15.978 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN079512.D

Acq: 11 Oct 2023 13:02

Tgt Ion:180	Resp: 34311
Ion Ratio	Lower Upper
180 100	
182 92.5	46.2 138.6
145 34.5	17.5 52.6

