

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081034.D
 Acq On : 14 Feb 2024 18:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Quant Time: Feb 15 08:05:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	612788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	1096520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	907755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	344521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	359327	47.672	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.340%		
35) Dibromofluoromethane	8.171	113	294084	46.777	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	10.570	98	980928	44.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.480%		
62) 4-Bromofluorobenzene	12.853	95	341569	45.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	415362	52.851	ug/l	95
3) Chloromethane	2.359	50	447088	47.127	ug/l	99
4) Vinyl Chloride	2.518	62	405392	49.115	ug/l	97
5) Bromomethane	2.942	94	188787	45.332	ug/l	88
6) Chloroethane	3.118	64	243297	45.846	ug/l	99
7) Trichlorofluoromethane	3.494	101	564225	48.564	ug/l	95
8) Diethyl Ether	3.959	74	231042	50.158	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.371	101	323767	47.222	ug/l	90
10) Methyl Iodide	4.588	142	308737	44.342	ug/l	99
11) Tert butyl alcohol	5.518	59	355039	262.598	ug/l	100
12) 1,1-Dichloroethene	4.341	96	324555	48.596	ug/l	90
13) Acrolein	4.177	56	283278	264.320	ug/l	97
14) Allyl chloride	5.024	41	548420	50.422	ug/l	99
15) Acrylonitrile	5.718	53	879371	253.953	ug/l	97
16) Acetone	4.424	43	654540	221.829	ug/l	97
17) Carbon Disulfide	4.712	76	852999	44.081	ug/l	98
18) Methyl Acetate	5.018	43	419471	53.976	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	1187263	50.946	ug/l	97
20) Methylene Chloride	5.277	84	370191	48.166	ug/l	88
21) trans-1,2-Dichloroethene	5.788	96	348566	47.473	ug/l	96
22) Diisopropyl ether	6.671	45	1180194	49.609	ug/l #	93
23) Vinyl Acetate	6.600	43	4771121	248.821	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	664953	50.123	ug/l	97
25) 2-Butanone	7.482	43	1161118	242.394	ug/l	96
26) 2,2-Dichloropropane	7.488	77	583265	47.771	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	408882	48.184	ug/l	92
28) Bromochloromethane	7.812	49	257039	47.992	ug/l #	68
29) Tetrahydrofuran	7.835	42	790305	256.714	ug/l	89
30) Chloroform	7.965	83	691417	48.563	ug/l	100
31) Cyclohexane	8.259	56	589994	45.058	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	617659	49.130	ug/l	95
36) 1,1-Dichloropropene	8.371	75	498973	47.568	ug/l	97
37) Ethyl Acetate	7.559	43	498552	51.957	ug/l	99
38) Carbon Tetrachloride	8.359	117	453739	59.096	ug/l	98
39) Methylcyclohexane	9.600	83	593830	46.015	ug/l	94
40) Benzene	8.606	78	1497892	48.288	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	286248	49.142	ug/l	98
42) 1,2-Dichloroethane	8.671	62	544424	49.445	ug/l	99
43) Isopropyl Acetate	8.688	43	886075	49.288	ug/l	97
44) Trichloroethene	9.353	130	402852	43.847	ug/l	95
45) 1,2-Dichloropropane	9.623	63	377721	49.225	ug/l	98
46) Dibromomethane	9.706	93	266624	49.226	ug/l #	90
47) Bromodichloromethane	9.888	83	538817	50.759	ug/l #	96
48) Methyl methacrylate	9.682	41	416173	49.168	ug/l	92
49) 1,4-Dioxane	9.694	88	145647	1004.715	ug/l	89
51) 4-Methyl-2-Pentanone	10.447	43	2499335	249.289	ug/l	96
52) Toluene	10.635	92	900156	46.455	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	603188	48.231	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	639043	48.316	ug/l	98
55) 1,1,2-Trichloroethane	11.017	97	353298	48.486	ug/l	96
56) Ethyl methacrylate	10.876	69	587219	49.219	ug/l	93
57) 1,3-Dichloropropane	11.165	76	637812	48.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	1381778	233.406	ug/l #	88
59) 2-Hexanone	11.200	43	1847725	250.942	ug/l	97
60) Dibromochloromethane	11.359	129	360516	52.032	ug/l	98
61) 1,2-Dibromoethane	11.470	107	366037	47.775	ug/l	98
64) Tetrachloroethene	11.106	164	397140	42.914	ug/l	93
65) Chlorobenzene	11.894	112	903742	47.478	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.964	131	328603	50.143	ug/l	97
67) Ethyl Benzene	11.964	91	1725814	48.092	ug/l	99
68) m/p-Xylenes	12.070	106	1250691	94.509	ug/l	100
69) o-Xylene	12.400	106	611206	47.621	ug/l	99
70) Styrene	12.412	104	997124	48.744	ug/l	100
71) Bromoform	12.582	173	199452	59.822	ug/l #	95
73) Isopropylbenzene	12.694	105	1585722	45.555	ug/l	99
74) N-amyl acetate	12.494	43	759174	47.405	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	407305	47.673	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	393367m	51.674	ug/l	
77) Bromobenzene	12.982	156	328691	46.620	ug/l	79
78) n-propylbenzene	13.035	91	1853003	46.651	ug/l	97
79) 2-Chlorotoluene	13.129	91	1067919	46.549	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1270606	47.049	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	158553	48.484	ug/l #	79
82) 4-Chlorotoluene	13.223	91	1045293	47.149	ug/l	98
83) tert-Butylbenzene	13.441	119	1068833	46.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1236384	47.516	ug/l	98
85) sec-Butylbenzene	13.617	105	1522145	47.976	ug/l	95
86) p-Isopropyltoluene	13.729	119	1246626	48.860	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	567128	47.303	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	564087	45.536	ug/l	98
89) n-Butylbenzene	14.058	91	1092491	46.778	ug/l	98
90) Hexachloroethane	14.335	117	79955	95.037	ug/l	100
91) 1,2-Dichlorobenzene	14.105	146	542824	46.706	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	88479	50.930	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	314381	45.152	ug/l	97
94) Hexachlorobutadiene	15.505	225	125562	43.602	ug/l	96
95) Naphthalene	15.641	128	1159549	46.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	315112	46.182	ug/l	98

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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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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

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MSVOA_N

ClientSampleId :

VSTDCCC050EC

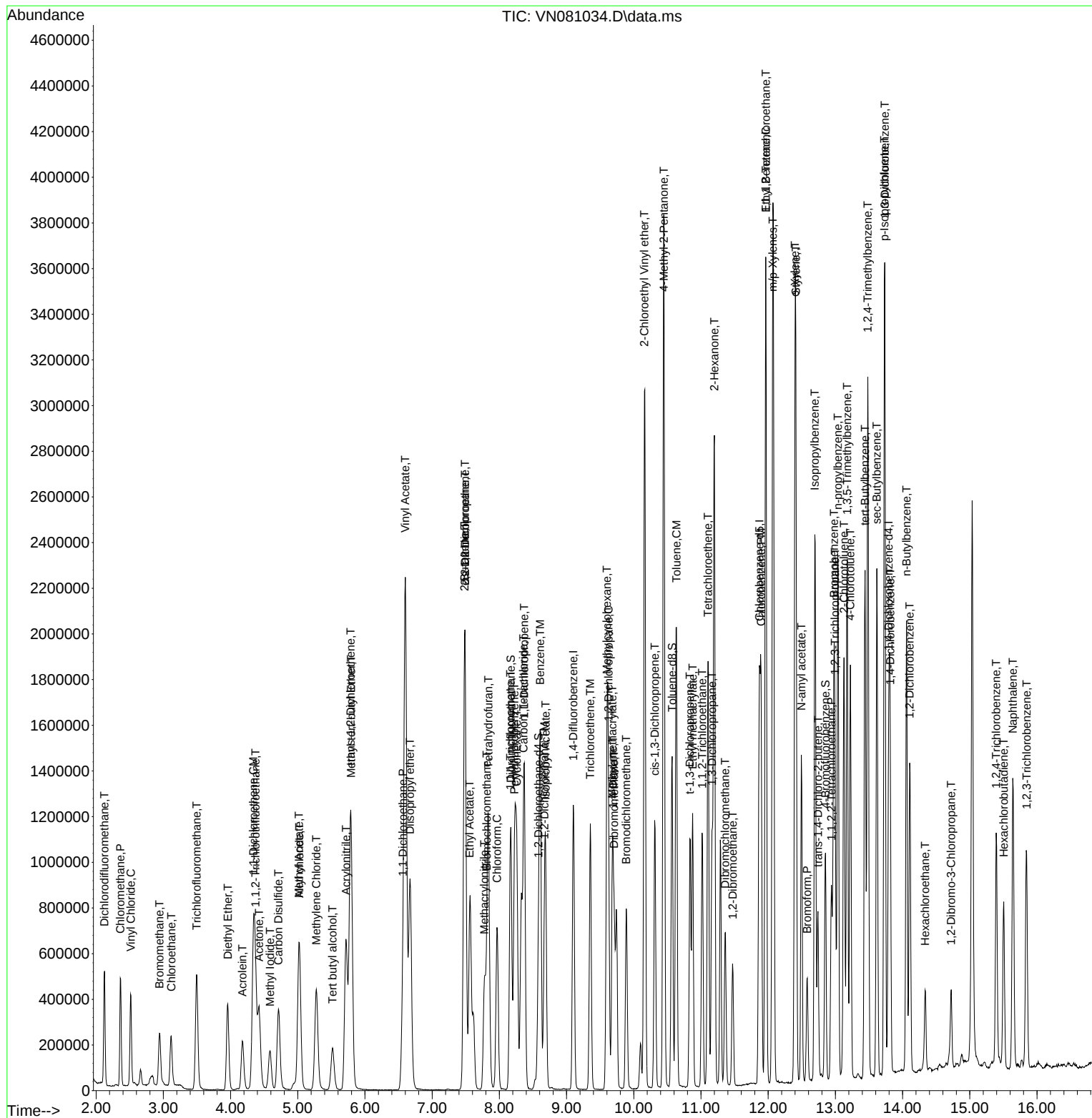
Manual Integrations

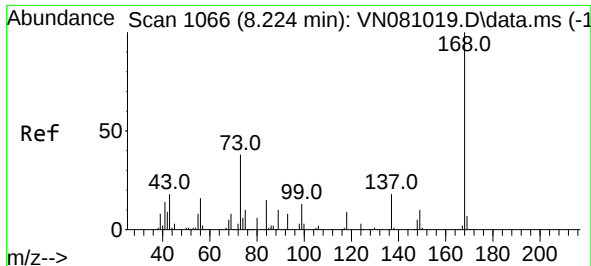
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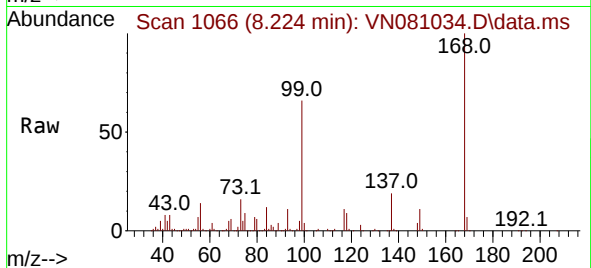
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081034.D
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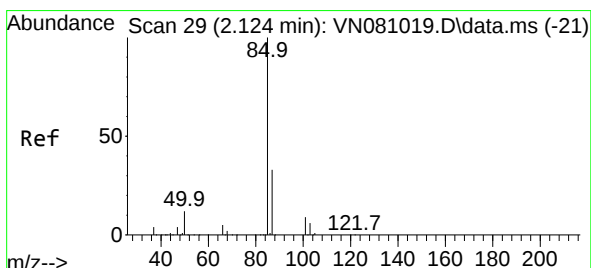
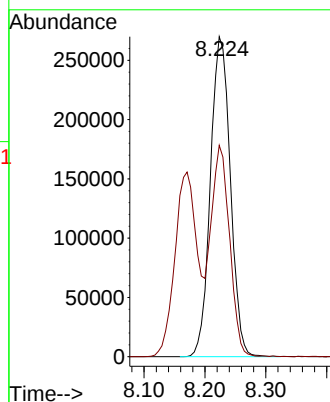
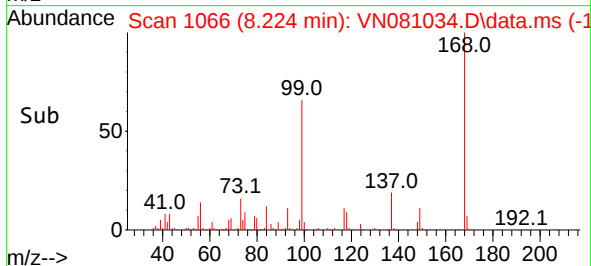
Instrument :
MSVOA_N
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VSTDCCC050EC



Tgt Ion:168 Resp: 61278
Ion Ratio Lower Upper
168 100
99 66.0 59.9 89.9

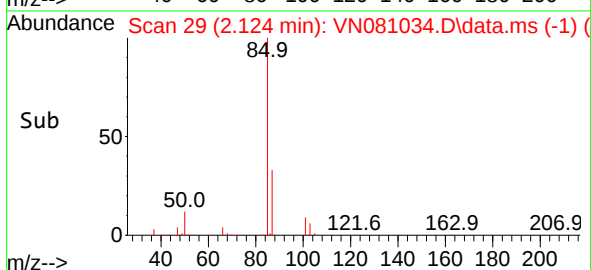
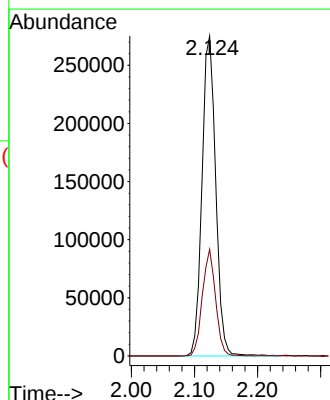
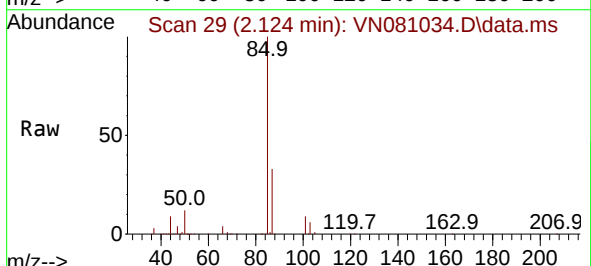
Manual Integrations
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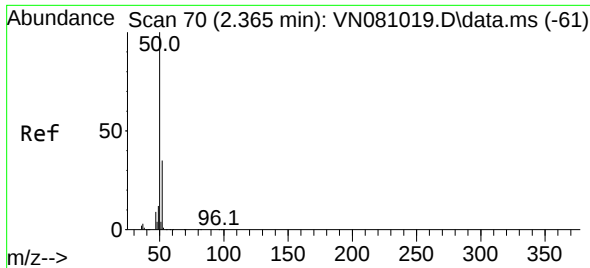
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#2
Dichlorodifluoromethane
Concen: 52.851 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 85 Resp: 415362
Ion Ratio Lower Upper
85 100
87 33.3 15.3 45.9





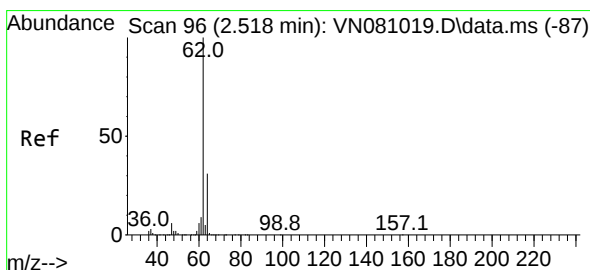
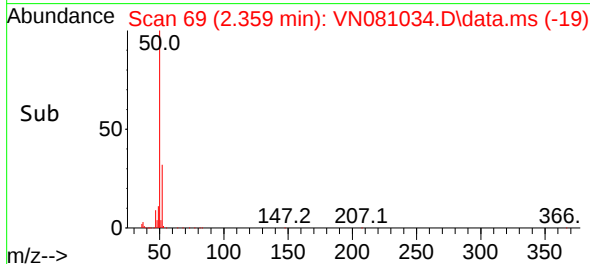
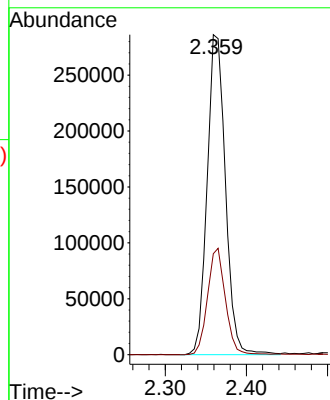
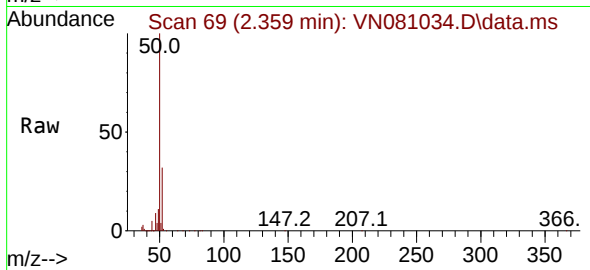
#3
Chloromethane
Concen: 47.127 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 447088
Ion Ratio Lower Upper
50 100
52 31.6 25.0 37.4

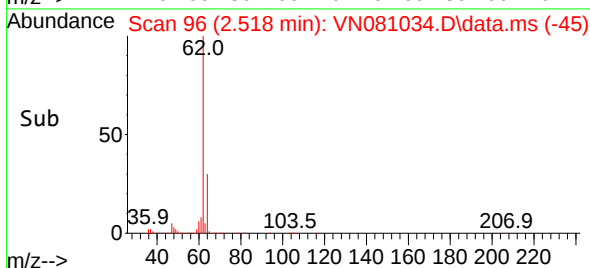
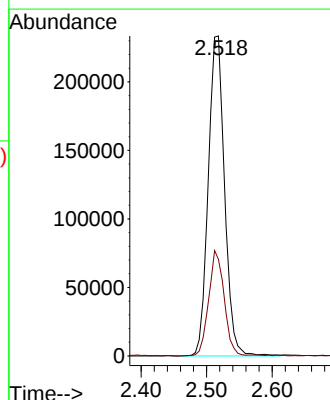
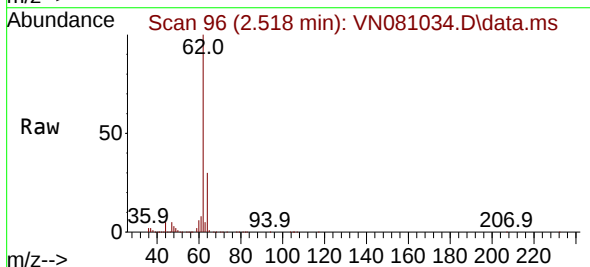
Manual Integrations
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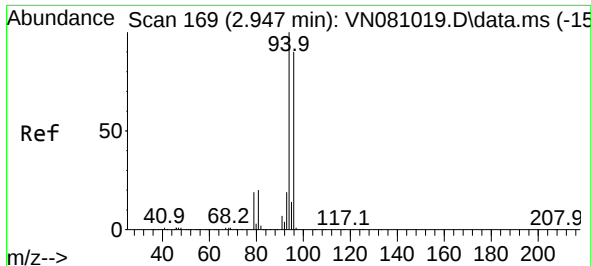
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#4
Vinyl Chloride
Concen: 49.115 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

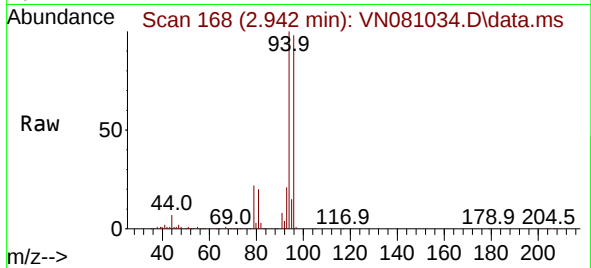
Tgt Ion: 62 Resp: 405392
Ion Ratio Lower Upper
62 100
64 30.2 22.7 34.1





#5
Bromomethane
Concen: 45.332 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN081034.D
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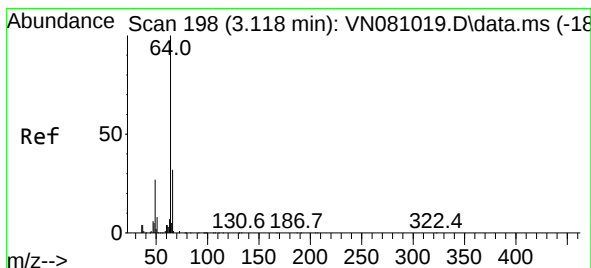
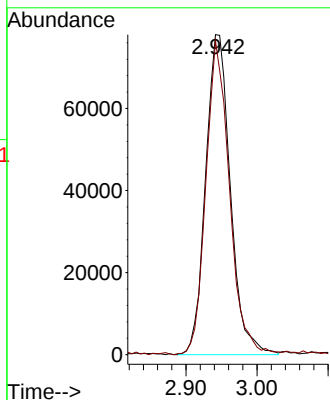
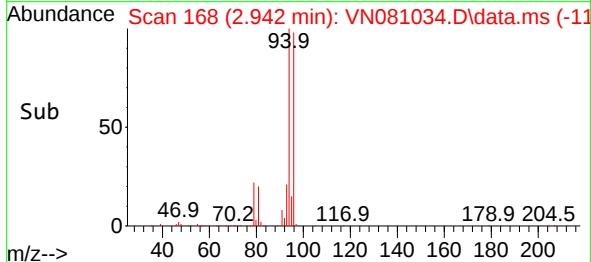
Instrument :
MSVOA_N
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VSTDCCC050EC



Tgt Ion: 94 Resp: 18878
Ion Ratio Lower Upper
94 100
96 97.7 69.2 103.8

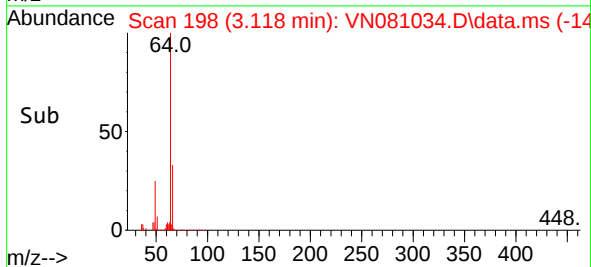
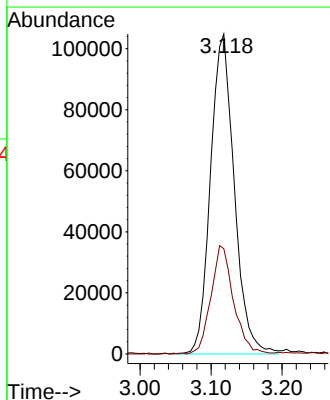
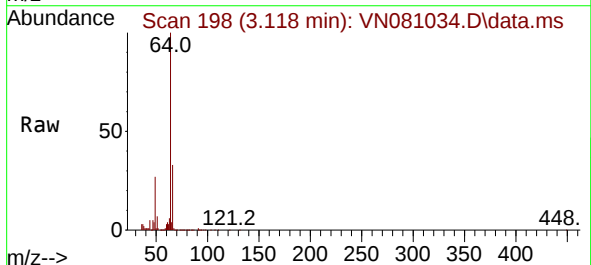
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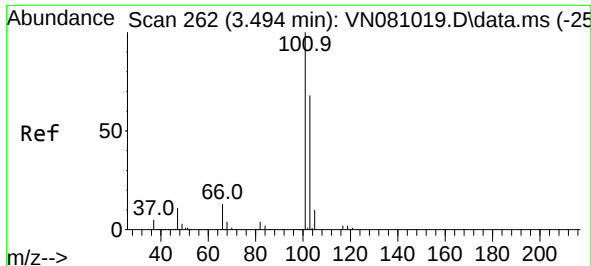
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#6
Chloroethane
Concen: 45.846 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 64 Resp: 243297
Ion Ratio Lower Upper
64 100
66 32.7 26.4 39.6





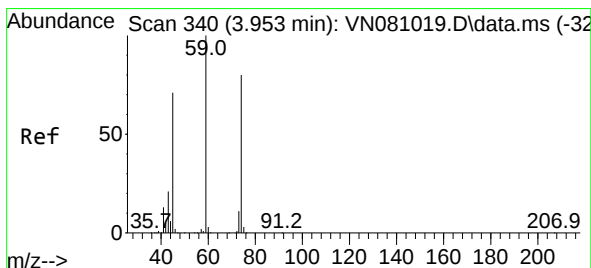
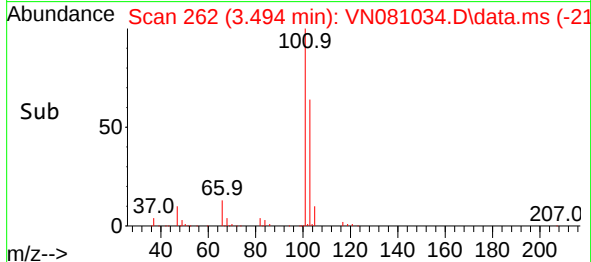
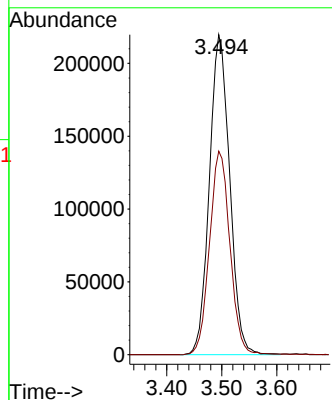
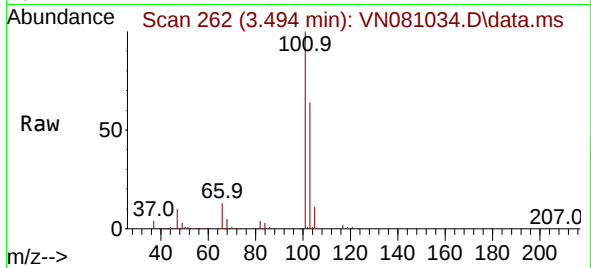
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 Trichlorofluoromethane
 Concen: 48.564 ug/l
 RT: 3.494 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:101 Resp: 564225
 Ion Ratio Lower Upper
 101 100
 103 63.6 54.4 81.6

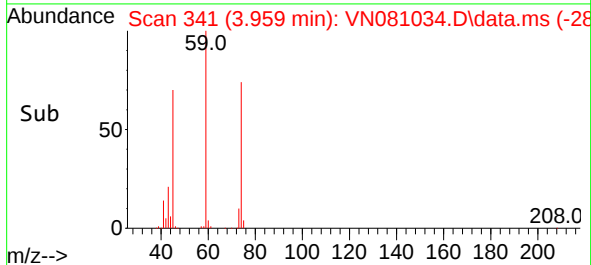
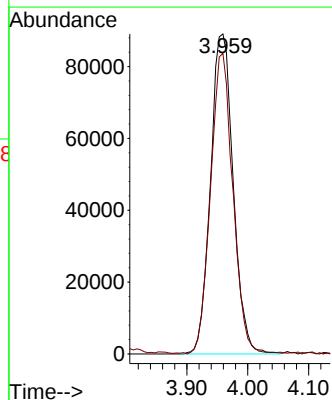
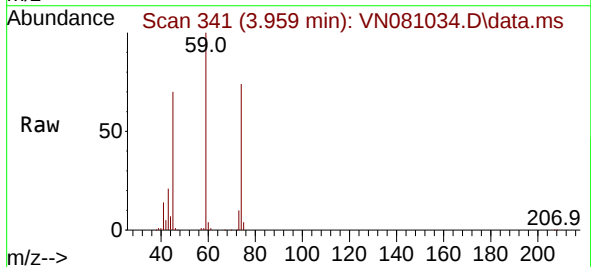
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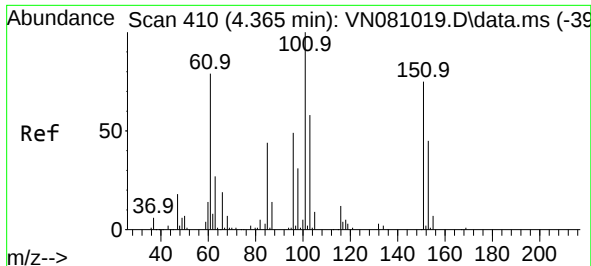
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#8
 Diethyl Ether
 Concen: 50.158 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

Tgt Ion: 74 Resp: 231042
 Ion Ratio Lower Upper
 74 100
 45 92.5 53.3 159.9





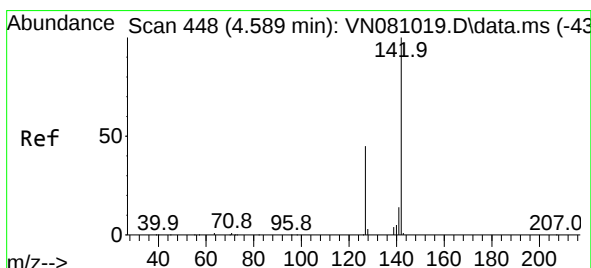
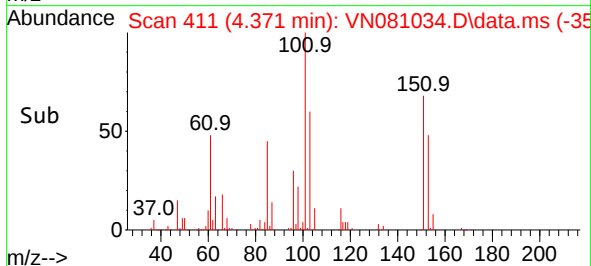
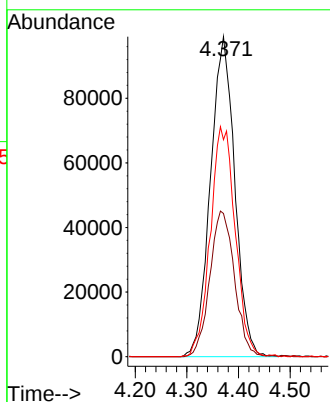
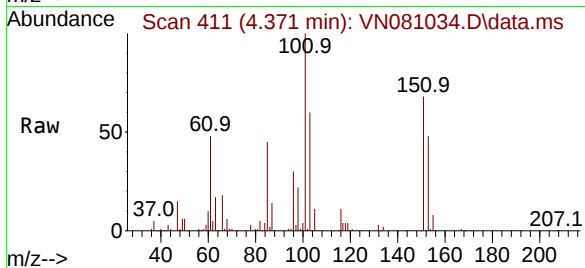
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.222 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 32376
Ion Ratio Lower Upper
101 100
85 46.2 38.1 57.1
151 73.5 49.1 73.7

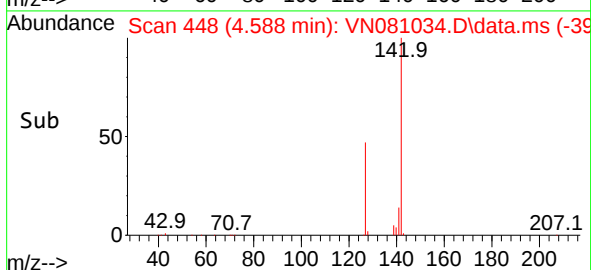
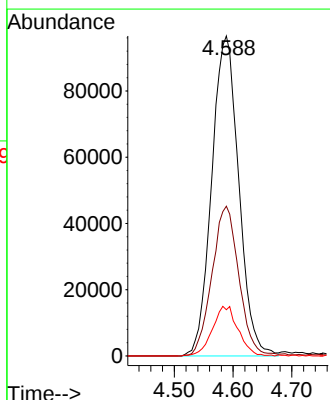
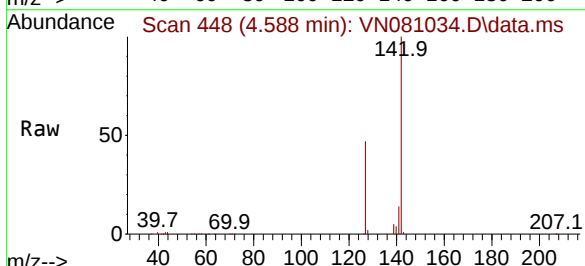
Manual Integrations
APPROVED

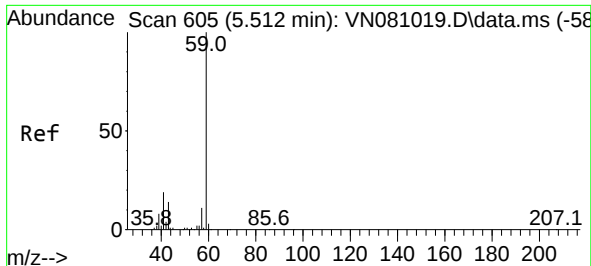
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#10
Methyl Iodide
Concen: 44.342 ug/l
RT: 4.588 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

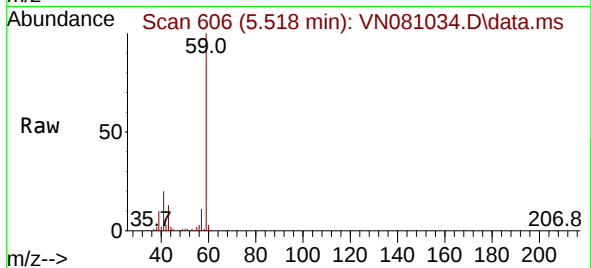
Tgt Ion:142 Resp: 308737
Ion Ratio Lower Upper
142 100
127 46.8 37.0 55.4
141 14.4 12.5 18.7





#11
Tert butyl alcohol
Concen: 262.598 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

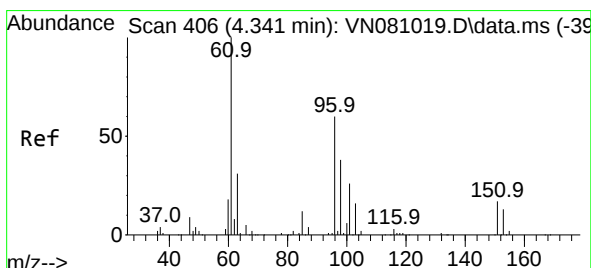
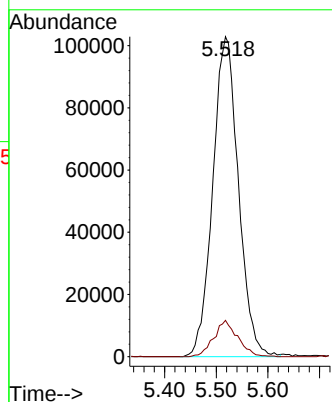
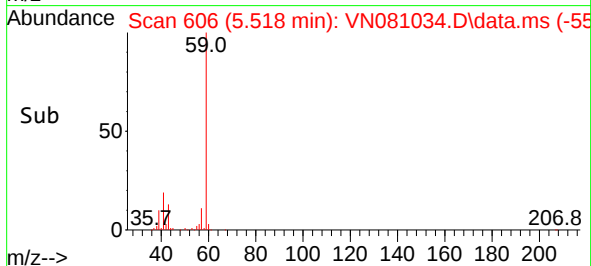
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 59 Resp: 355039
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

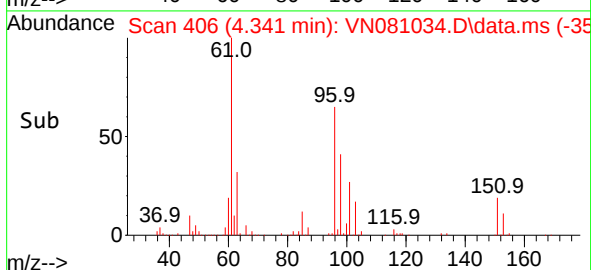
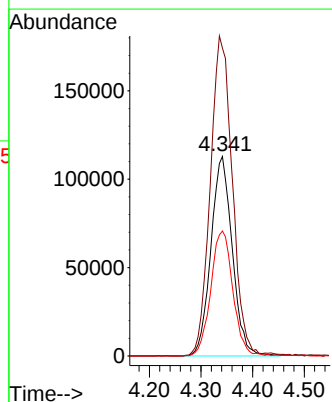
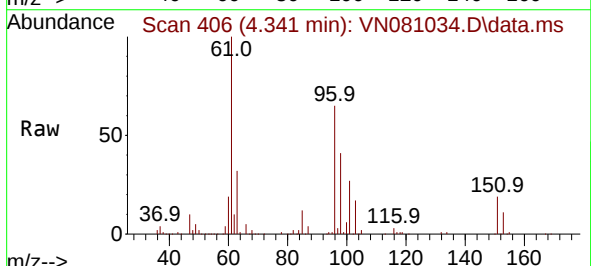
Manual Integrations
APPROVED

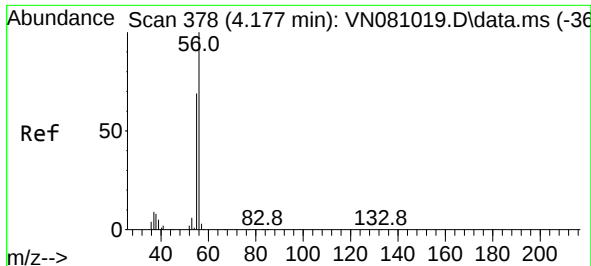
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#12
1,1-Dichloroethene
Concen: 48.596 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

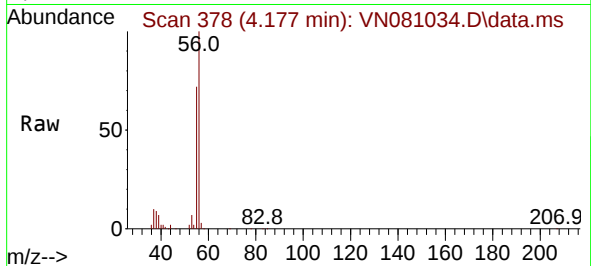
Tgt Ion: 96 Resp: 324555
Ion Ratio Lower Upper
96 100
61 154.3 138.2 207.4
98 62.6 49.2 73.8





#13
Acrolein
Concen: 264.320 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

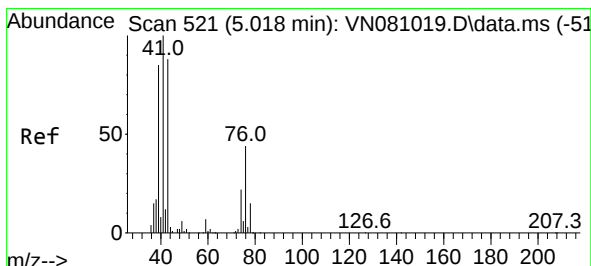
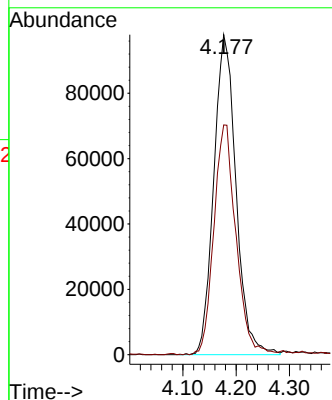
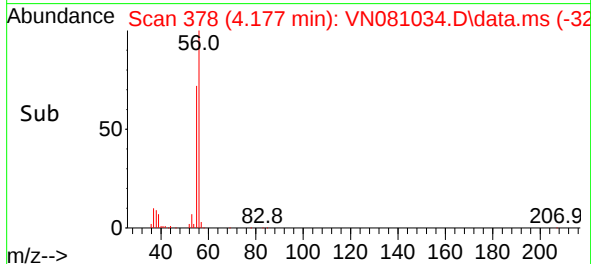
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 283278
Ion Ratio Lower Upper
56 100
55 71.5 55.3 82.9

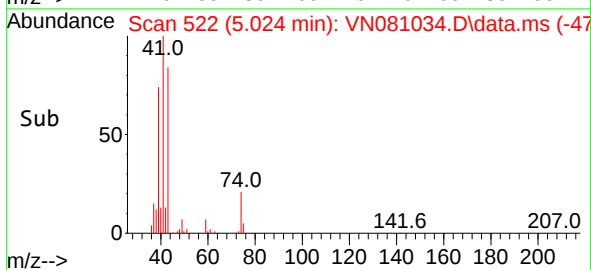
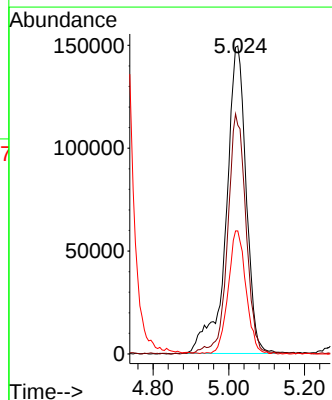
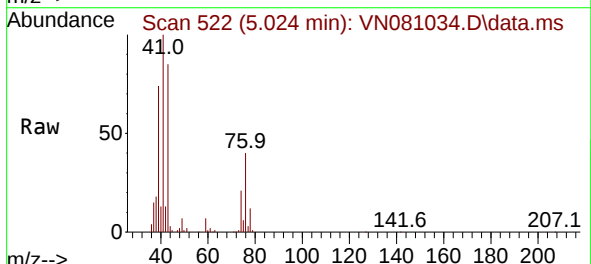
Manual Integrations
APPROVED

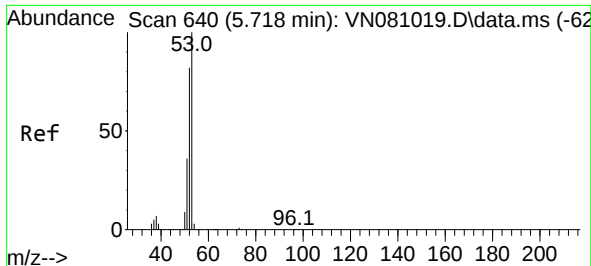
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#14
Allyl chloride
Concen: 50.422 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

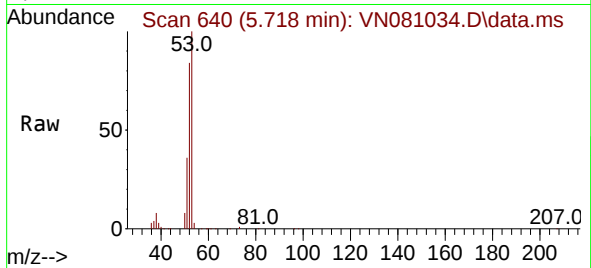
Tgt Ion: 41 Resp: 548420
Ion Ratio Lower Upper
41 100
39 71.7 57.7 86.5
76 35.3 26.8 40.2





#15
Acrylonitrile
Concen: 253.953 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

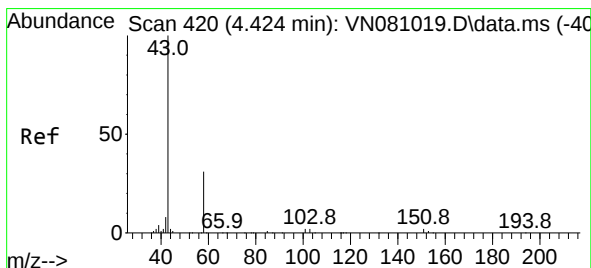
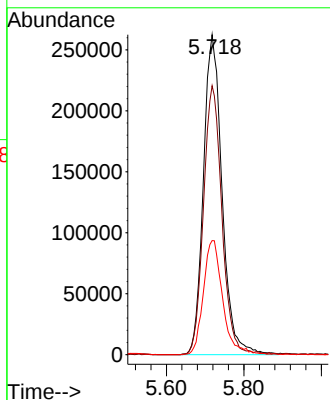
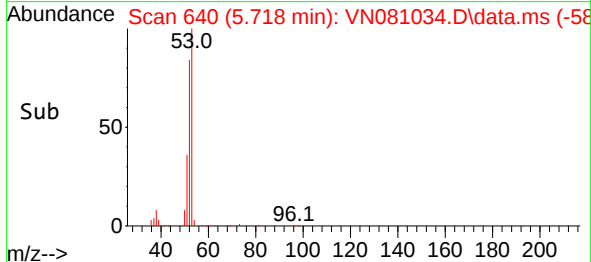
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



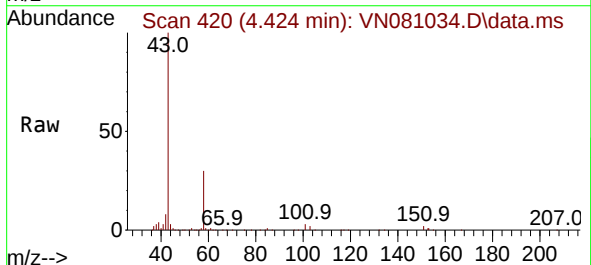
Tgt Ion: 53 Resp: 87937
Ion Ratio Lower Upper
53 100
52 82.6 64.8 97.2
51 36.9 26.9 40.3

Manual Integrations
APPROVED

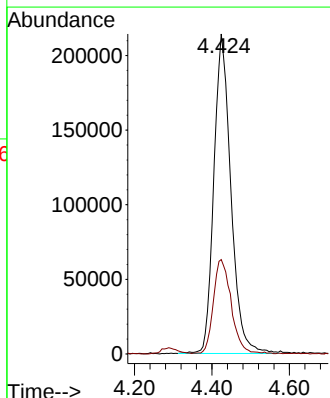
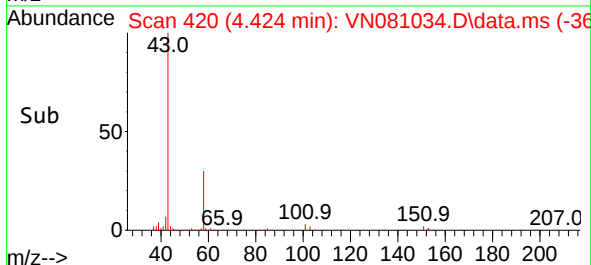
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

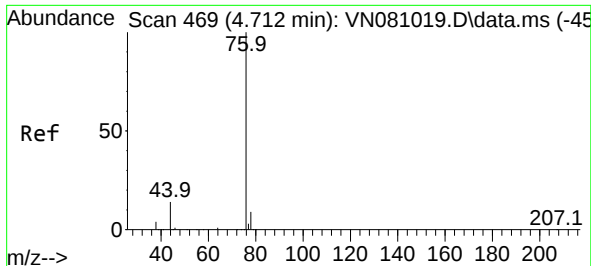


#16
Acetone
Concen: 221.829 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



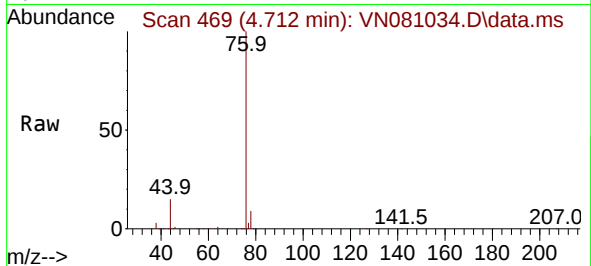
Tgt Ion: 43 Resp: 654540
Ion Ratio Lower Upper
43 100
58 29.3 24.8 37.2





#17
Carbon Disulfide
Concen: 44.081 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

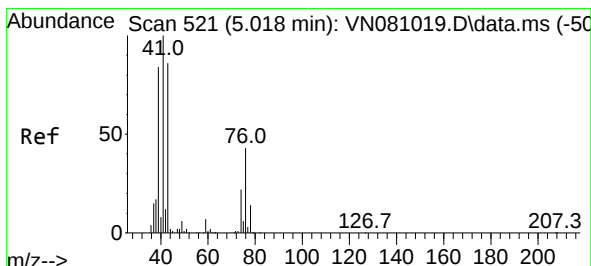
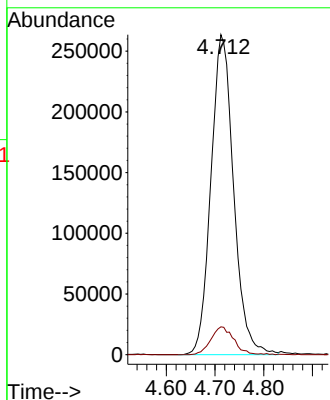
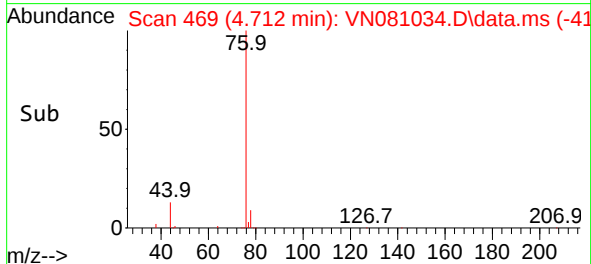
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



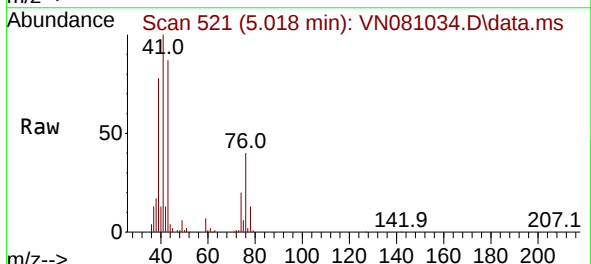
Tgt Ion: 76 Resp: 852999
Ion Ratio Lower Upper
76 100
78 8.7 6.3 9.5

Manual Integrations
APPROVED

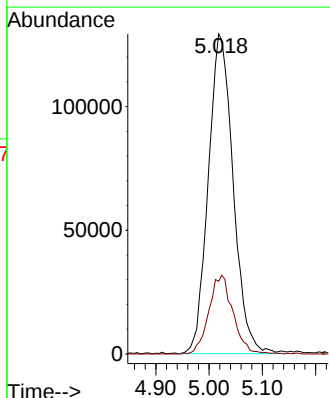
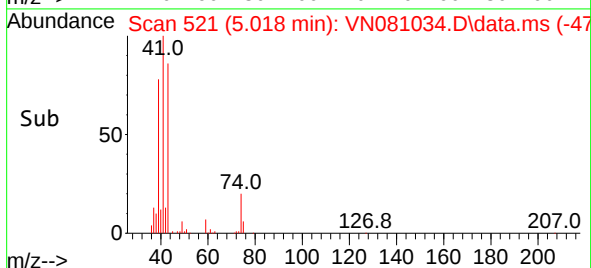
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

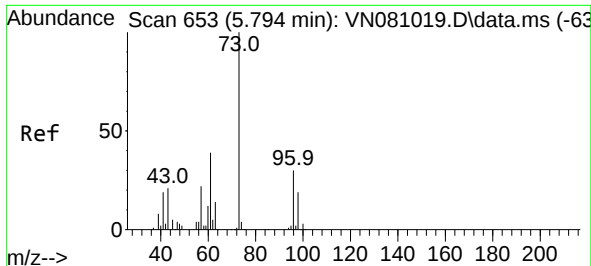


#18
Methyl Acetate
Concen: 53.976 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



Tgt Ion: 43 Resp: 419471
Ion Ratio Lower Upper
43 100
74 23.8 17.3 25.9





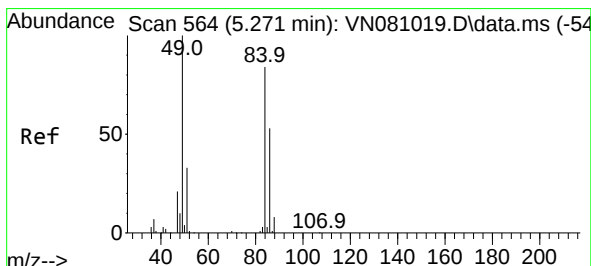
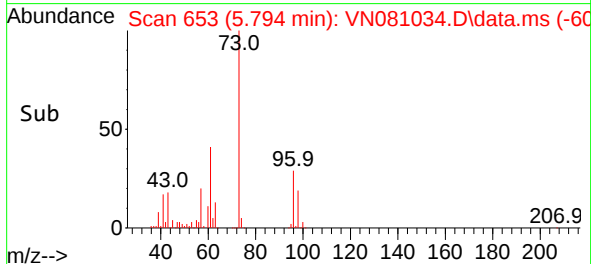
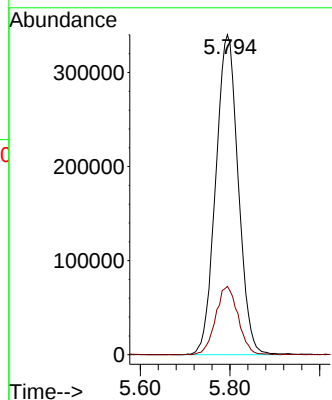
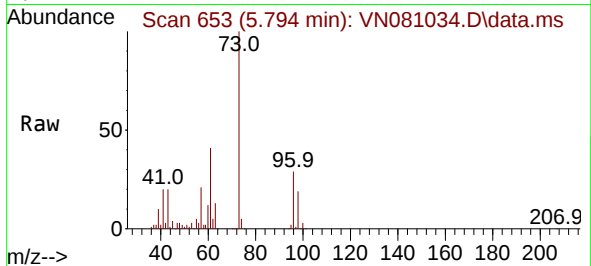
#19
Methyl tert-butyl Ether
Concen: 50.946 ug/l
RT: 5.794 min Scan# 613
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 118726
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.4

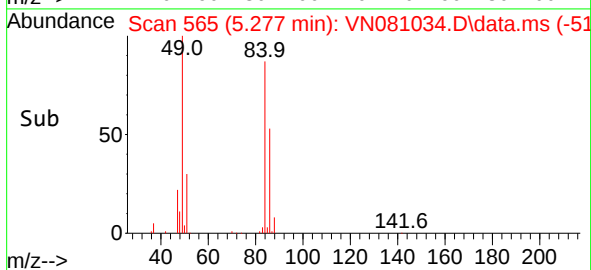
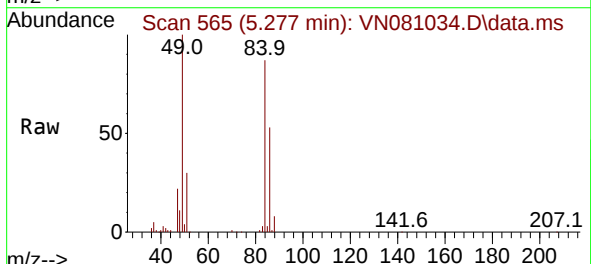
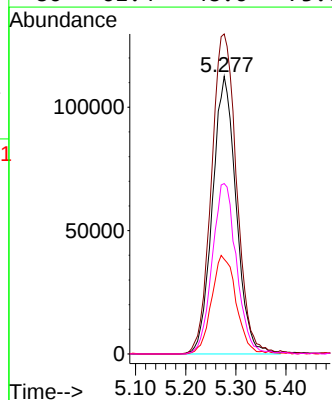
Manual Integrations
APPROVED

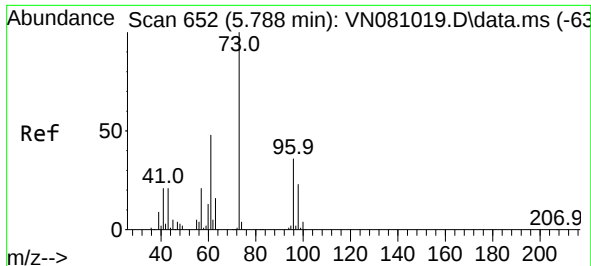
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#20
Methylene Chloride
Concen: 48.166 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

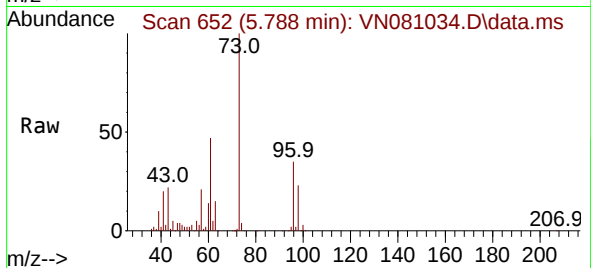
Tgt Ion: 84 Resp: 370191
Ion Ratio Lower Upper
84 100
49 115.3 108.1 162.1
51 34.2 32.9 49.3
86 61.4 48.6 73.0





#21
trans-1,2-Dichloroethene
Concen: 47.473 ug/l
RT: 5.788 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

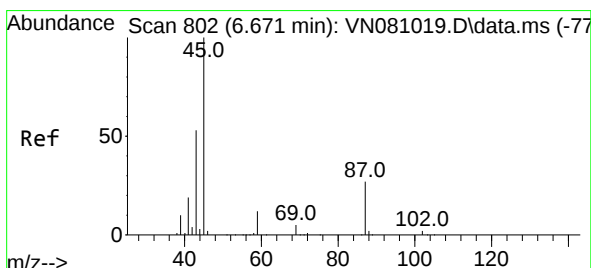
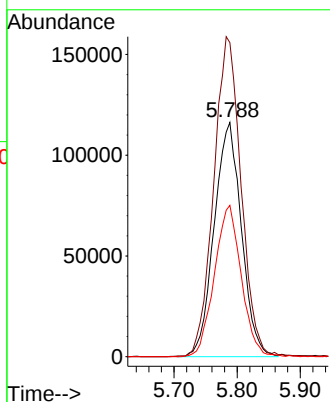
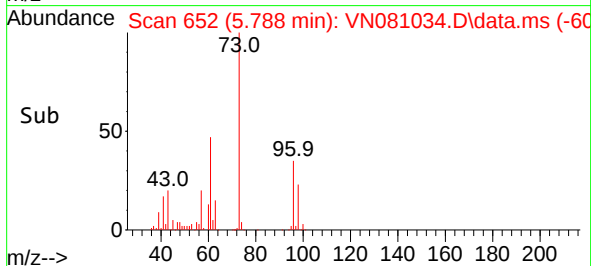
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 96 Resp: 348560
Ion Ratio Lower Upper
96 100
61 133.7 112.8 169.2
98 64.6 51.0 76.4

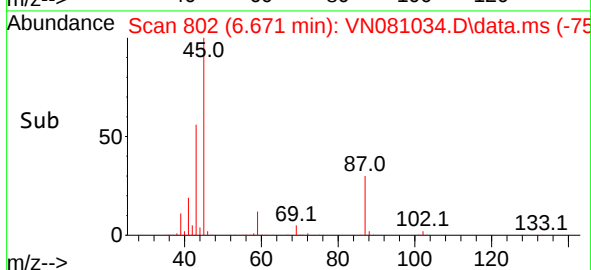
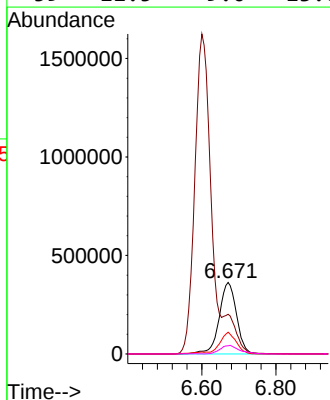
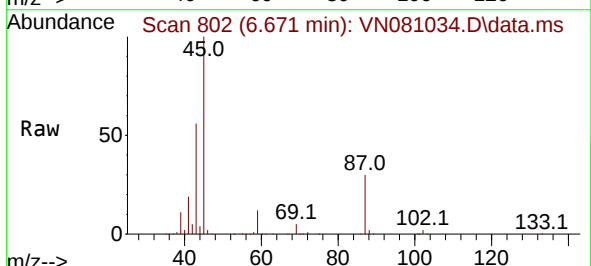
Manual Integrations
APPROVED

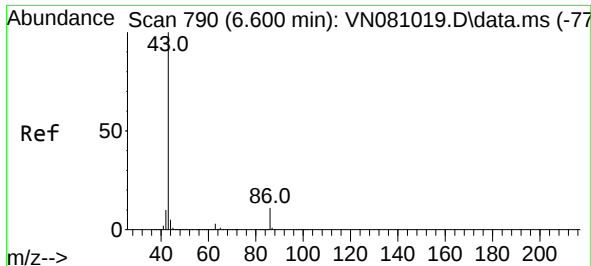
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#22
Diisopropyl ether
Concen: 49.609 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

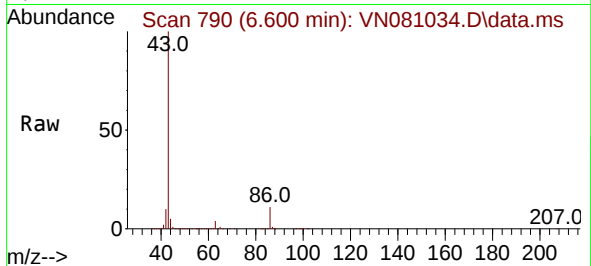
Tgt Ion: 45 Resp: 1180194
Ion Ratio Lower Upper
45 100
43 55.1 41.8 62.8
87 30.4 18.1 27.1#
59 11.5 9.0 13.6





#23
 Vinyl Acetate
 Concen: 248.821 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

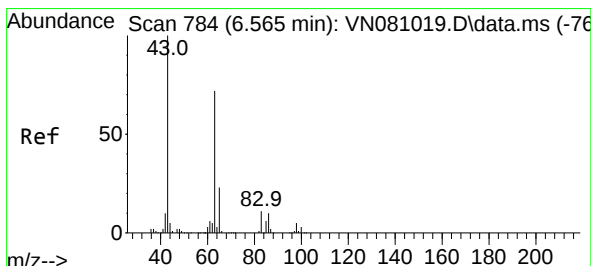
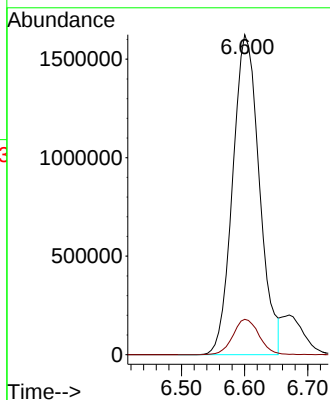
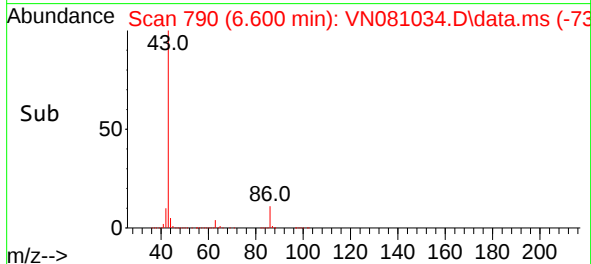
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



Tgt Ion: 43 Resp: 477112
 Ion Ratio Lower Upper
 43 100
 86 11.1 7.1 10.7

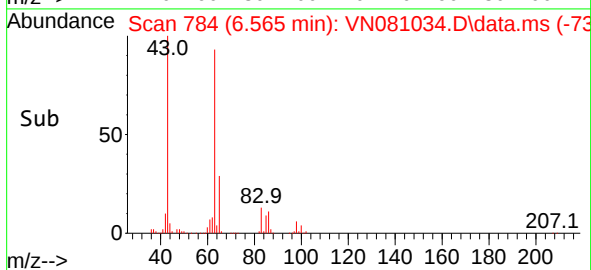
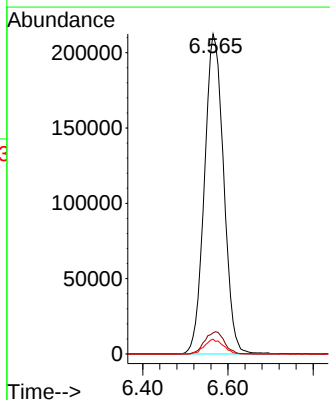
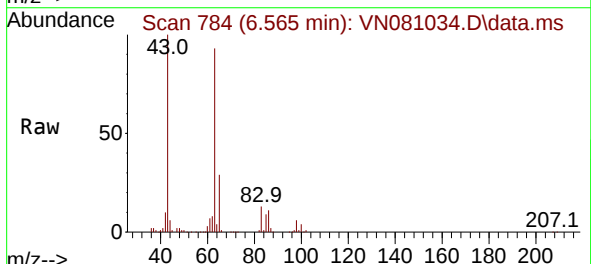
Manual Integrations
 APPROVED

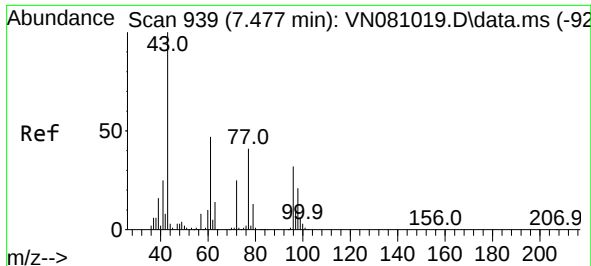
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#24
 1,1-Dichloroethane
 Concen: 50.123 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

Tgt Ion: 63 Resp: 664953
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.6
 100 4.6 1.9 5.7





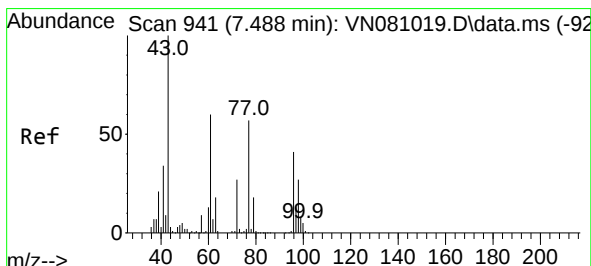
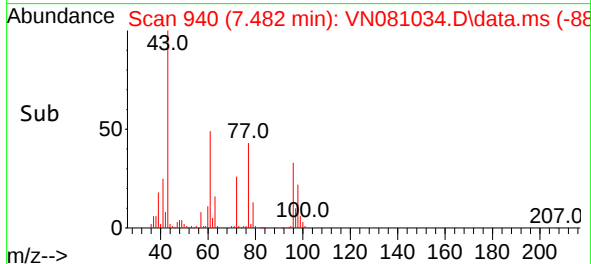
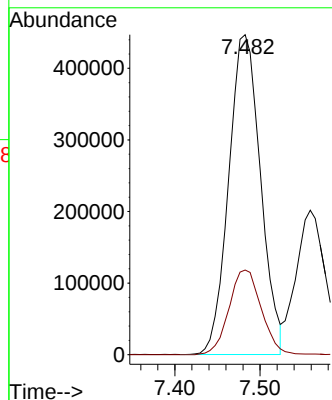
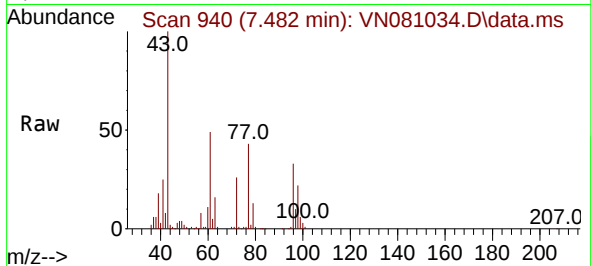
#25
2-Butanone
Concen: 242.394 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1161118
Ion Ratio Lower Upper
43 100
72 26.5 19.5 29.3

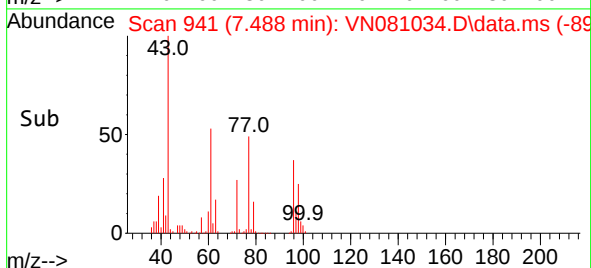
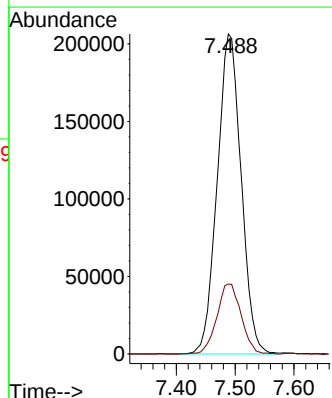
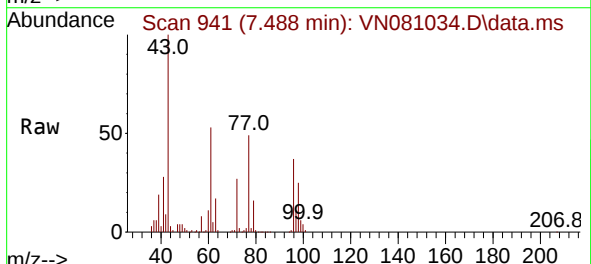
Manual Integrations
APPROVED

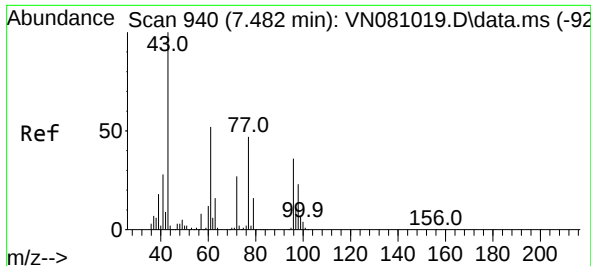
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#26
2,2-Dichloropropane
Concen: 47.771 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

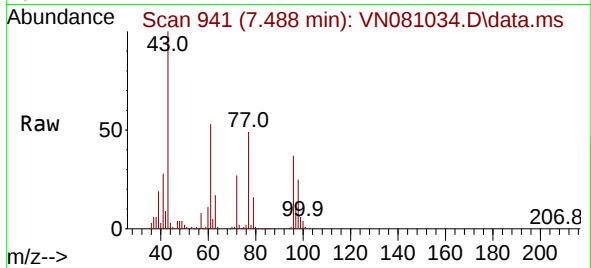
Tgt Ion: 77 Resp: 583265
Ion Ratio Lower Upper
77 100
97 22.1 11.5 34.5





#27
 cis-1,2-Dichloroethene
 Concen: 48.184 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

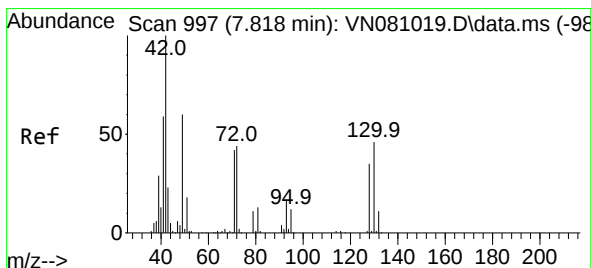
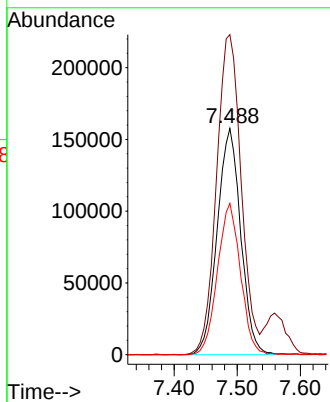
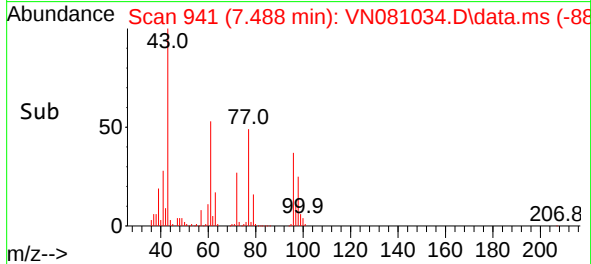
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



Tgt Ion: 96 Resp: 40888
 Ion Ratio Lower Upper
 96 100
 61 148.0 0.0 325.4
 98 65.2 0.0 130.4

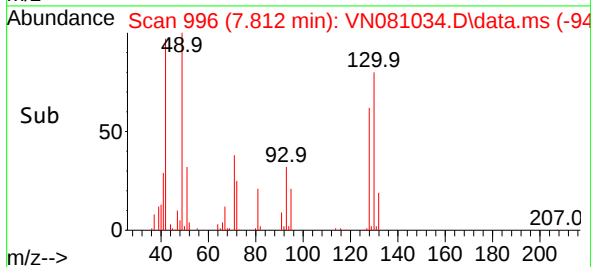
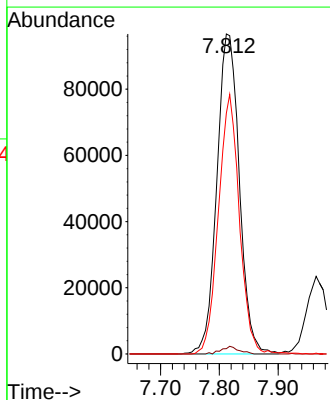
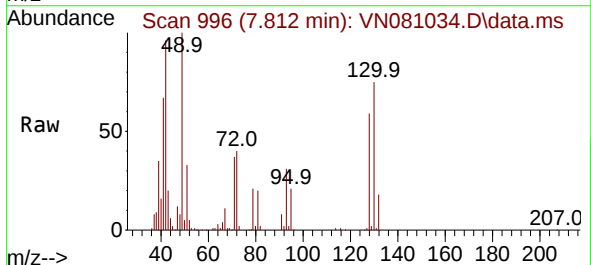
Manual Integrations
 APPROVED

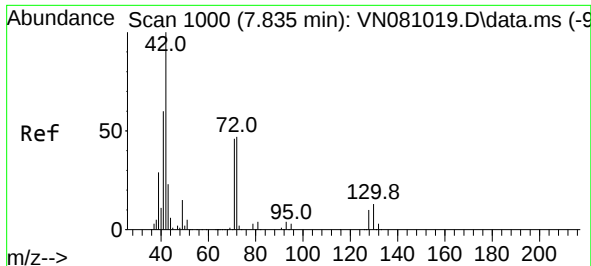
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#28
 Bromochloromethane
 Concen: 47.992 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. -0.006 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

Tgt Ion: 49 Resp: 257039
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 1.6#
 130 75.6 42.3 63.5#





#29

Tetrahydrofuran

Concen: 256.714 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

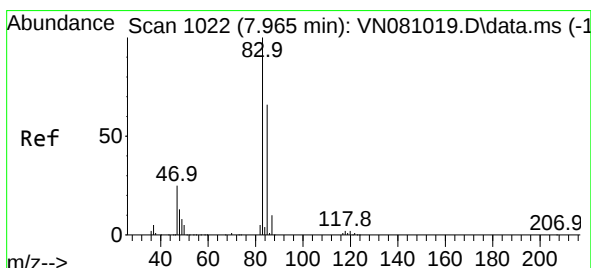
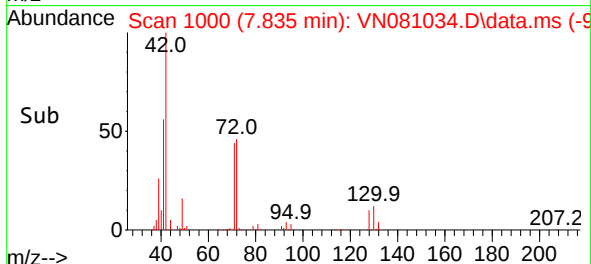
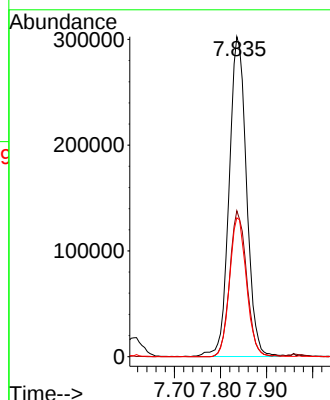
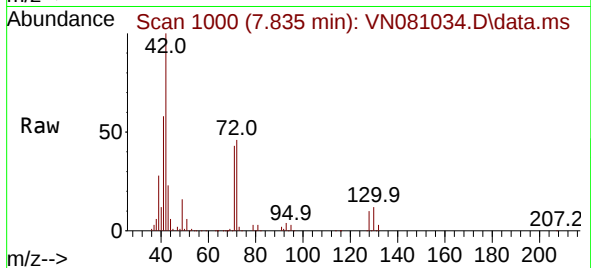
Tgt Ion:	42	Resp:	79030
Ion	Ratio	Lower	Upper
42	100		
72	44.5	31.1	46.7
71	42.5	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#30

Chloroform

Concen: 48.563 ug/l

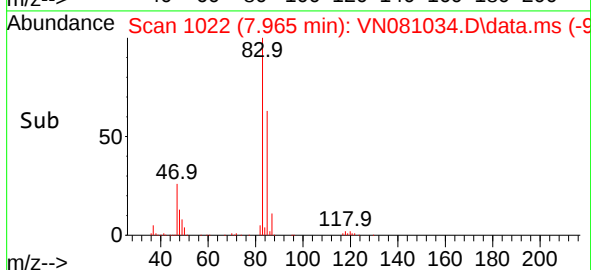
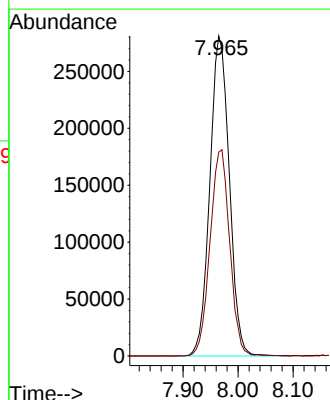
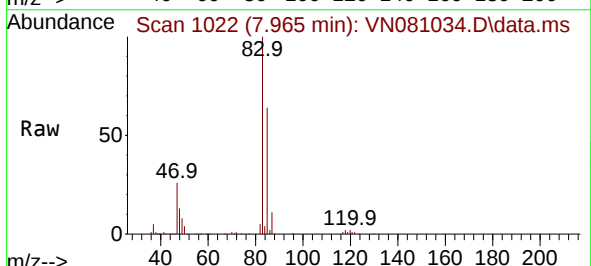
RT: 7.965 min Scan# 1022

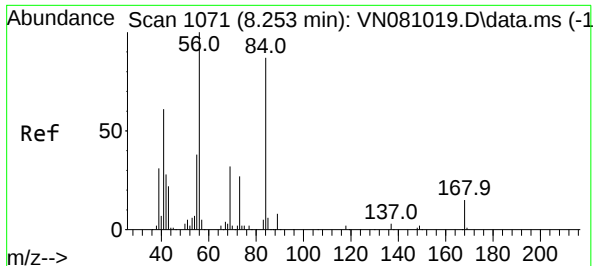
Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion:	83	Resp:	691417
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6





#31

Cyclohexane

Concen: 45.058 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 589994

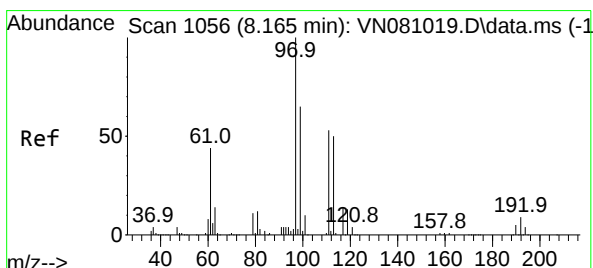
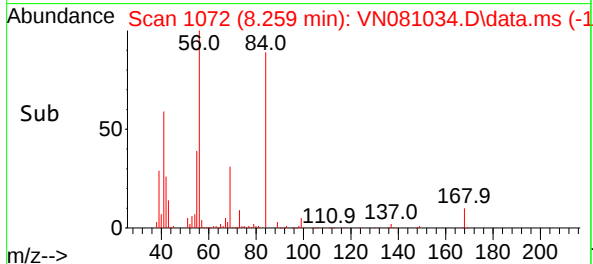
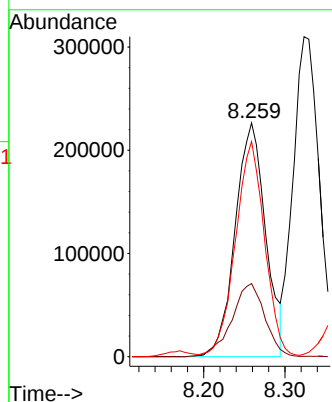
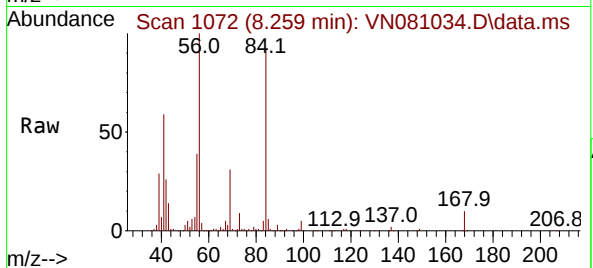
Ion	Ratio	Lower	Upper
56	100		
69	31.3	20.1	30.1
84	89.6	56.9	85.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#32

1,1,1-Trichloroethane

Concen: 49.130 ug/l

RT: 8.165 min Scan# 1056

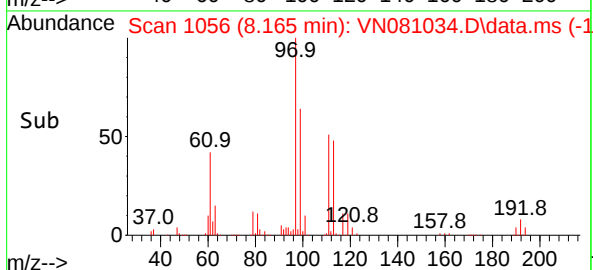
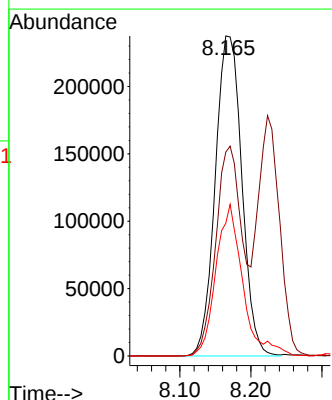
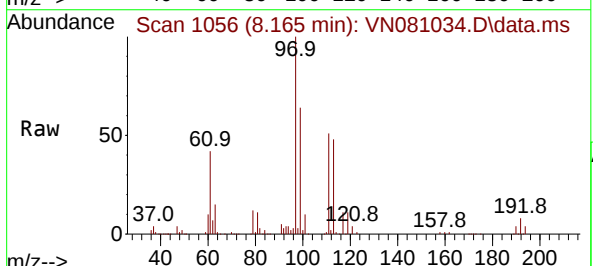
Delta R.T. -0.000 min

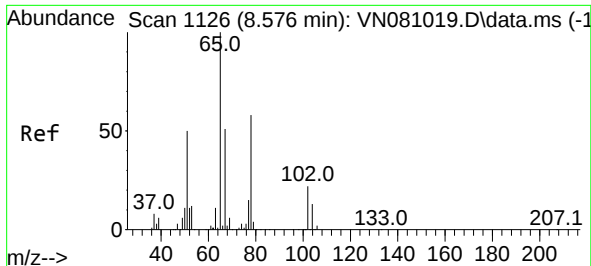
Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion: 97 Resp: 617659

Ion	Ratio	Lower	Upper
97	100		
99	66.1	53.4	80.0
61	47.7	43.8	65.8





#33

1,2-Dichloroethane-d4

Concen: 47.672 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 35932

Ion Ratio Lower Upper

65 100

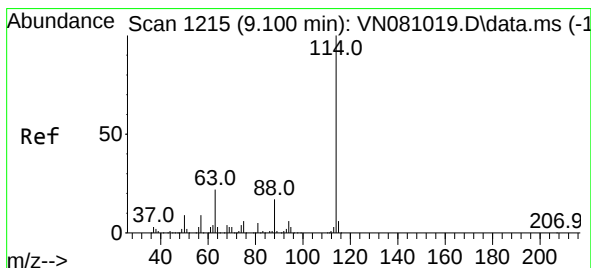
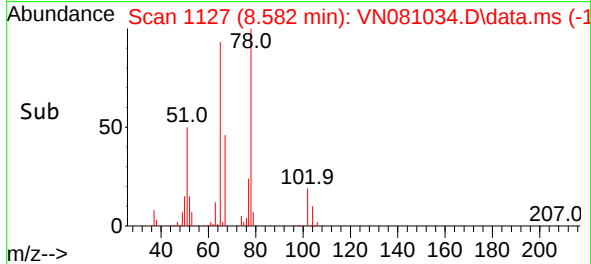
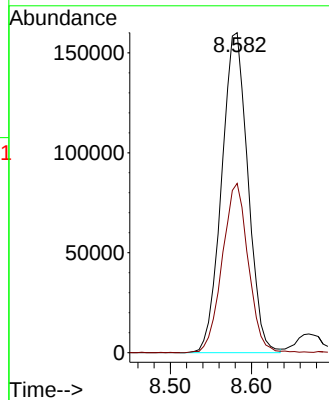
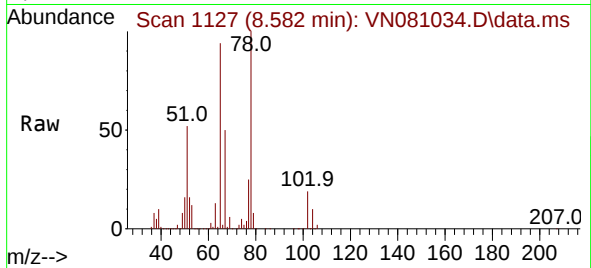
67 52.5 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

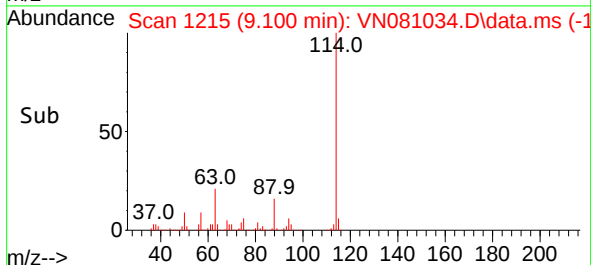
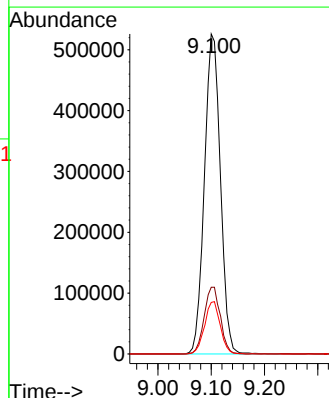
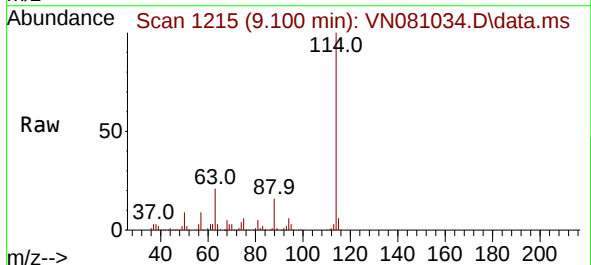
Tgt Ion:114 Resp: 1096520

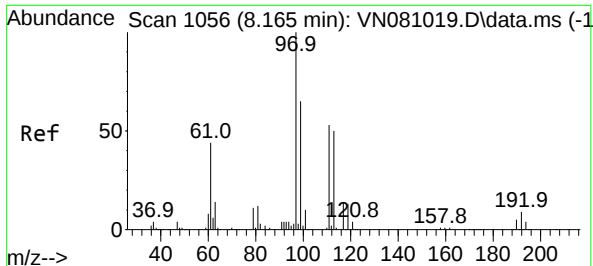
Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

88 16.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.777 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 113 Resp: 294084

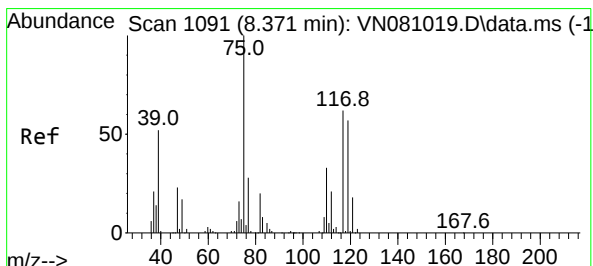
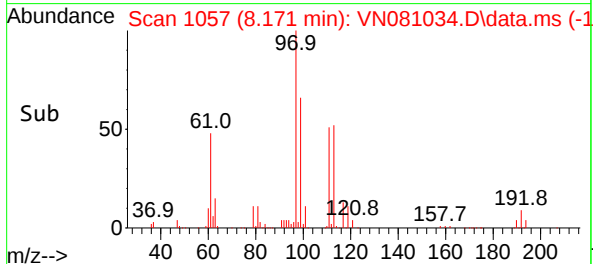
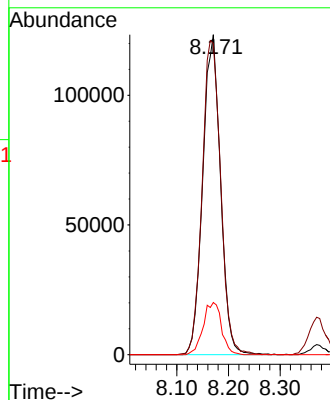
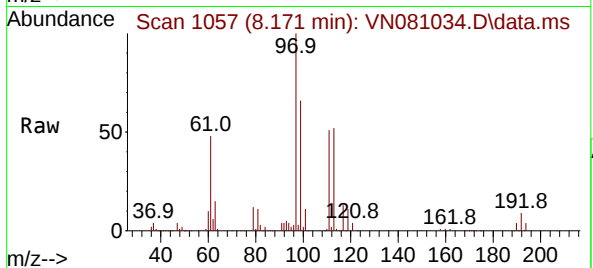
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	16.9	12.5	18.7

Manual Integrations

APPROVED

Reviewed By : John Carlone 02/15/2024

Supervised By : Mahesh Dadoda 02/15/2024



#36

1,1-Dichloropropene

Concen: 47.568 ug/l

RT: 8.371 min Scan# 1091

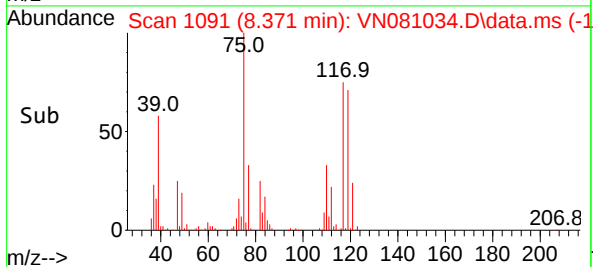
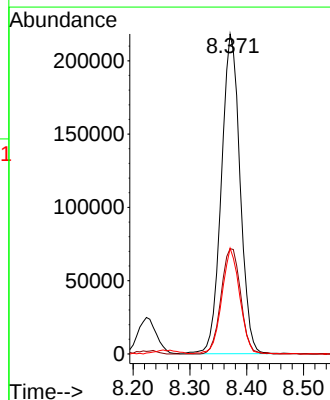
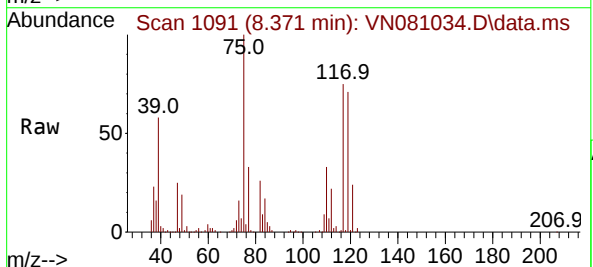
Delta R.T. -0.000 min

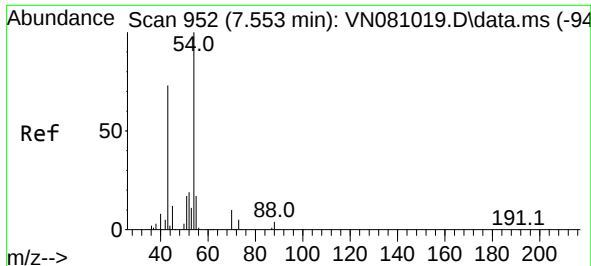
Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion: 75 Resp: 498973

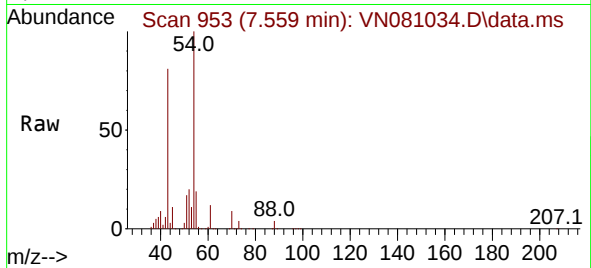
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.0	48.0
77	31.7	25.8	38.6





#37
Ethyl Acetate
Concen: 51.957 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

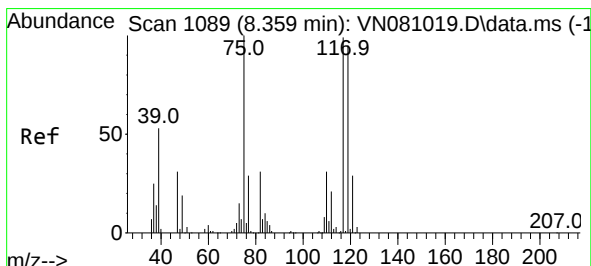
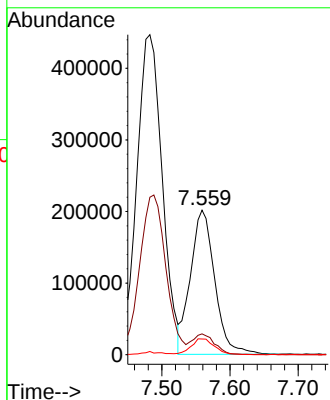
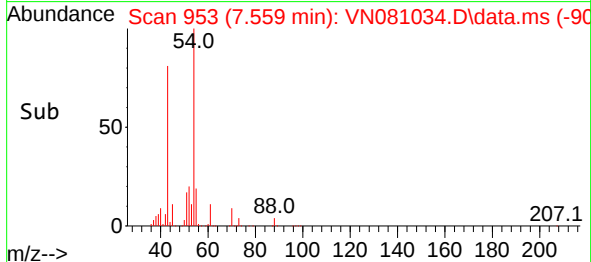
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 498552
Ion Ratio Lower Upper
43 100
61 13.5 10.6 15.8
70 10.6 8.0 12.0

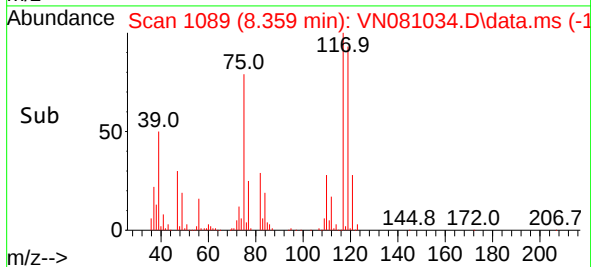
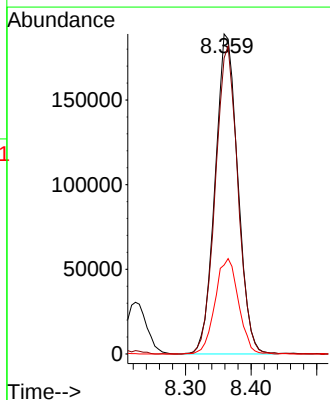
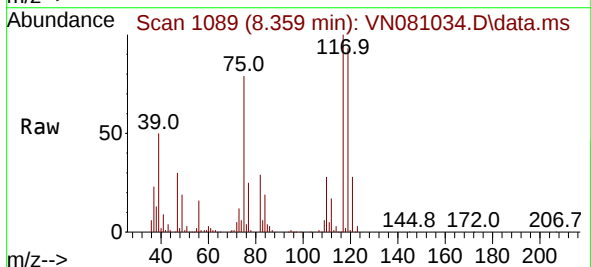
Manual Integrations
APPROVED

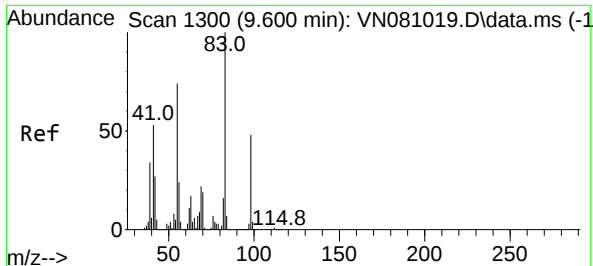
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#38
Carbon Tetrachloride
Concen: 59.096 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion:117 Resp: 453739
Ion Ratio Lower Upper
117 100
119 92.5 73.4 110.2
121 27.8 24.4 36.6





#39

Methylcyclohexane

Concen: 46.015 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN081034.D

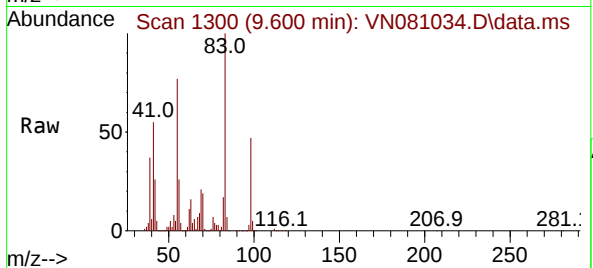
Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



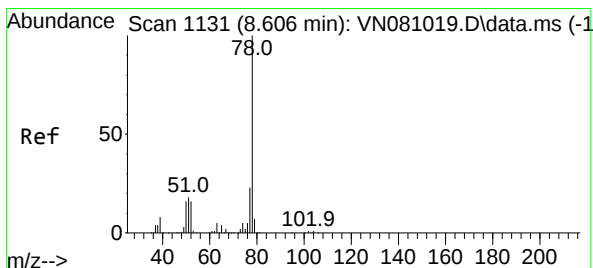
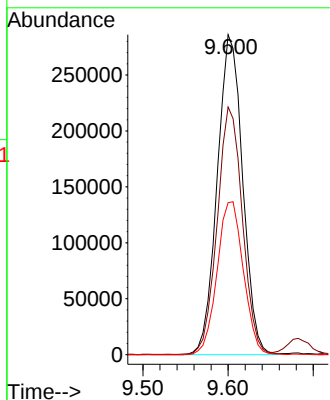
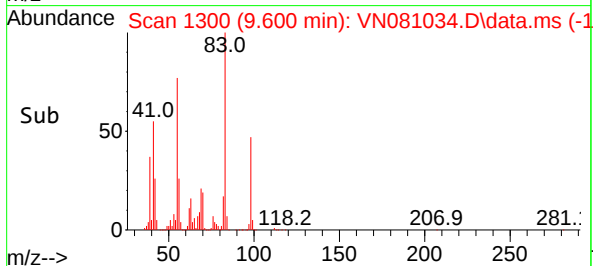
Tgt Ion:	83	Resp:	593830
Ion	Ratio	Lower	Upper
83	100		
55	77.3	65.7	98.5
98	47.5	33.8	50.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#40

Benzene

Concen: 48.288 ug/l

RT: 8.606 min Scan# 1131

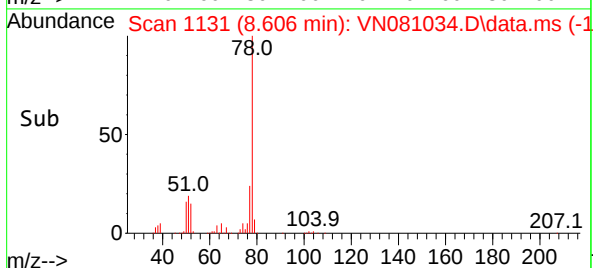
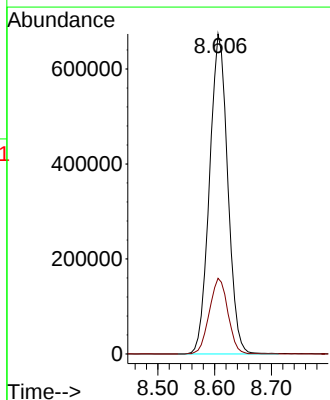
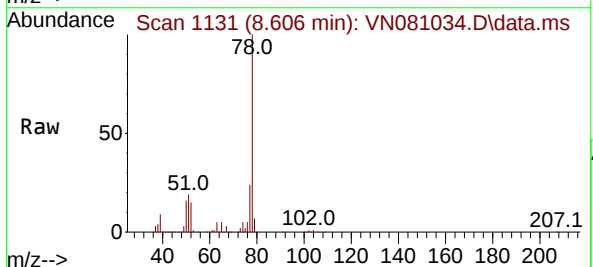
Delta R.T. -0.000 min

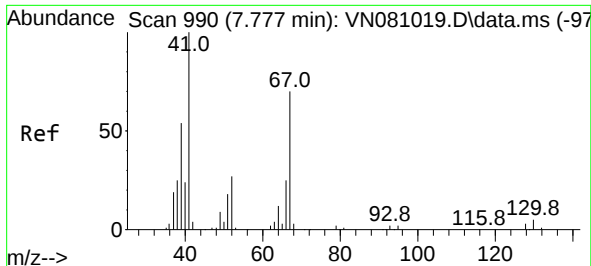
Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion: 78 Resp: 1497892

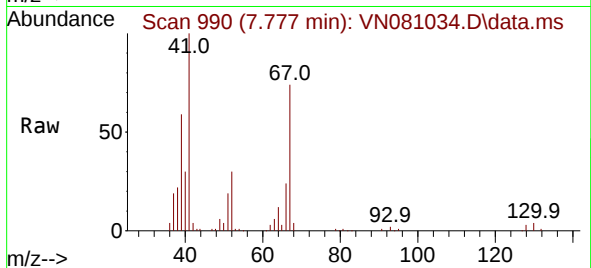
Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.4	30.6





#41
Methacrylonitrile
Concen: 49.142 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

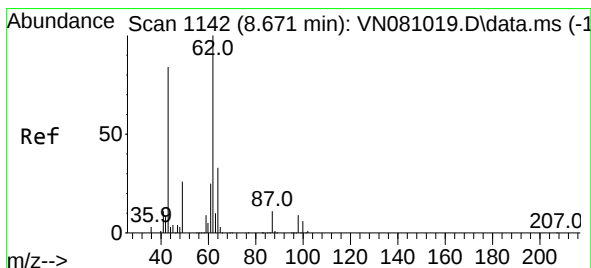
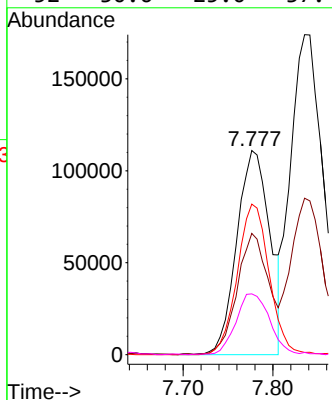
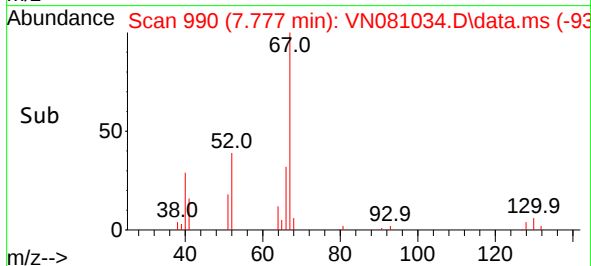
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 41 Resp: 286248
Ion Ratio Lower Upper
41 100
39 56.2 48.4 72.6
67 71.2 56.8 85.2
52 30.6 25.0 37.4

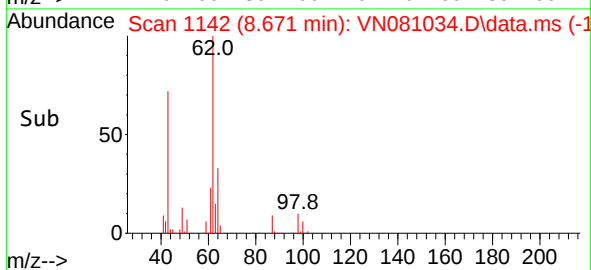
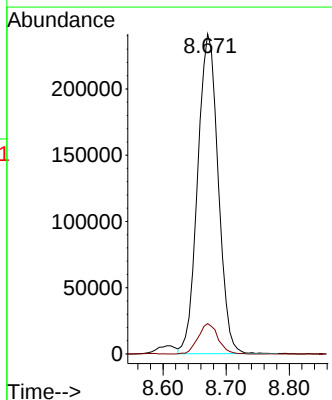
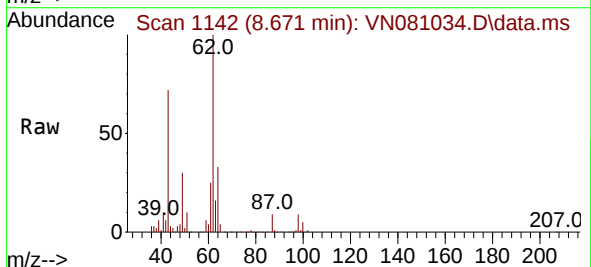
Manual Integrations
APPROVED

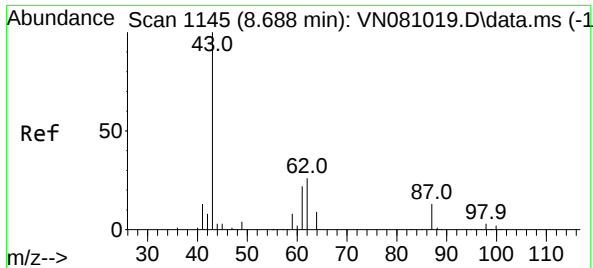
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#42
1,2-Dichloroethane
Concen: 49.445 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 62 Resp: 544424
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.0





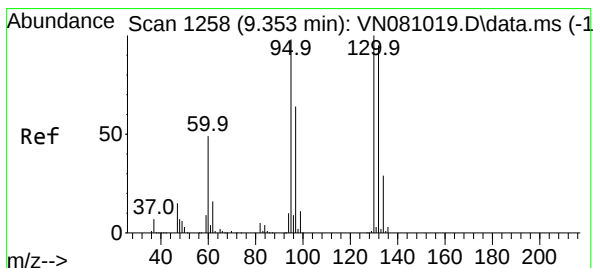
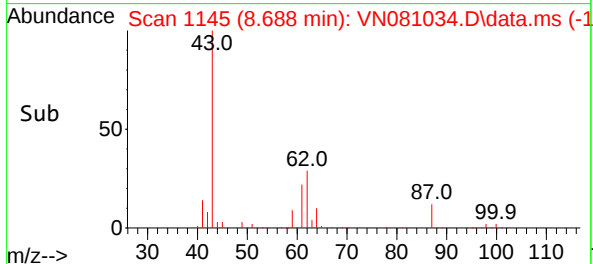
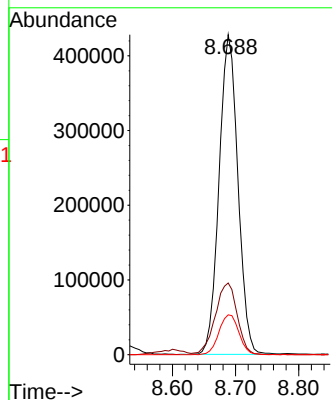
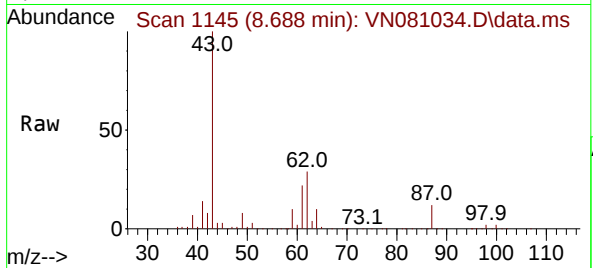
#43
Isopropyl Acetate
Concen: 49.288 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 886079
Ion Ratio Lower Upper
43 100
61 26.2 19.9 29.9
87 13.2 9.0 13.6

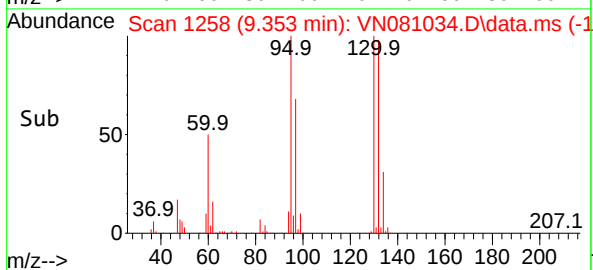
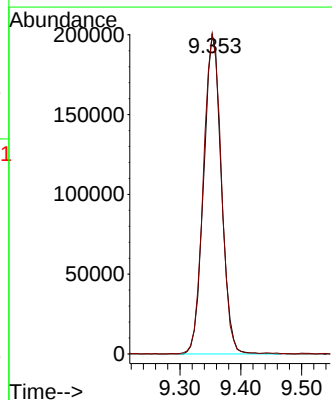
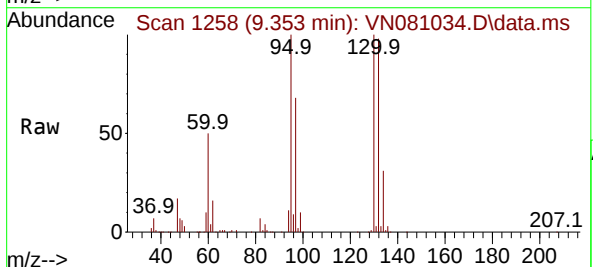
Manual Integrations
APPROVED

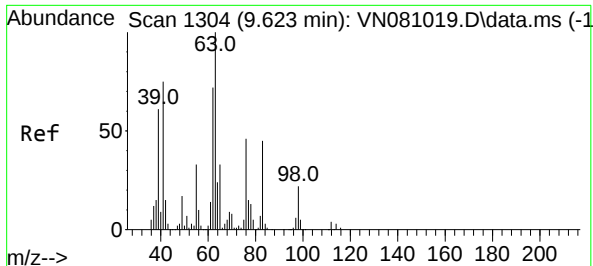
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#44
Trichloroethene
Concen: 43.847 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion:130 Resp: 402852
Ion Ratio Lower Upper
130 100
95 100.0 0.0 210.4





#45

1,2-Dichloropropane

Concen: 49.225 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 37772

Ion Ratio Lower Upper

63 100

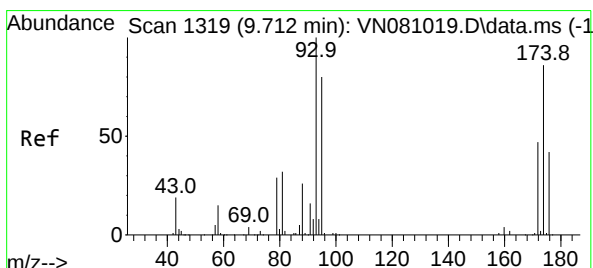
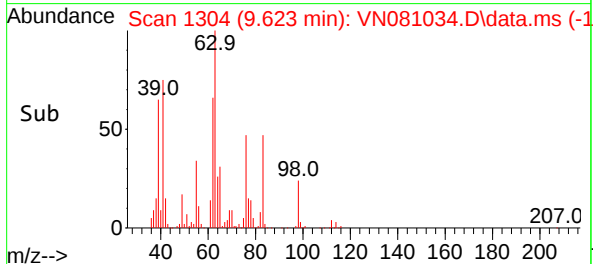
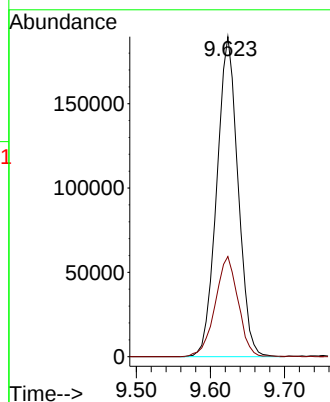
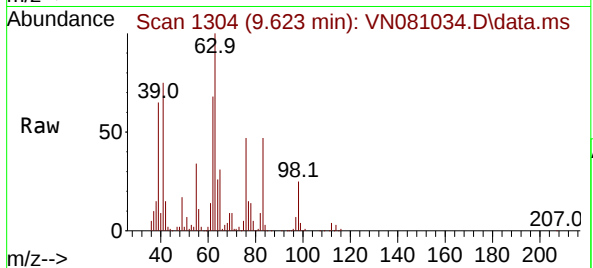
65 31.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#46

Dibromomethane

Concen: 49.226 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

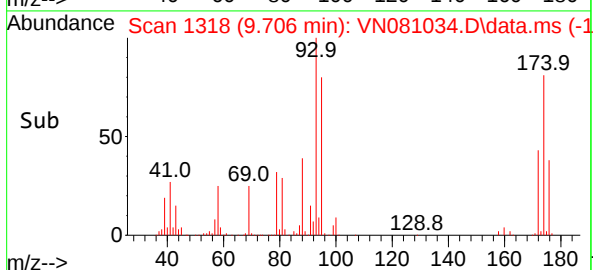
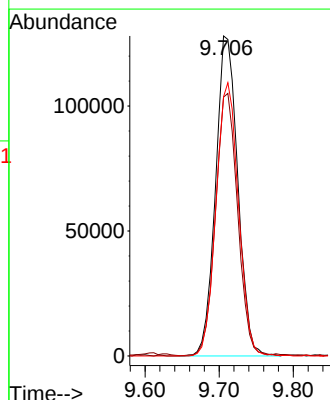
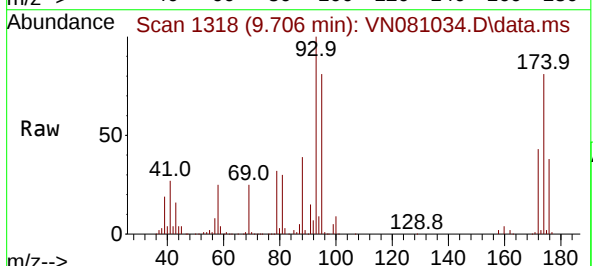
Tgt Ion: 93 Resp: 266624

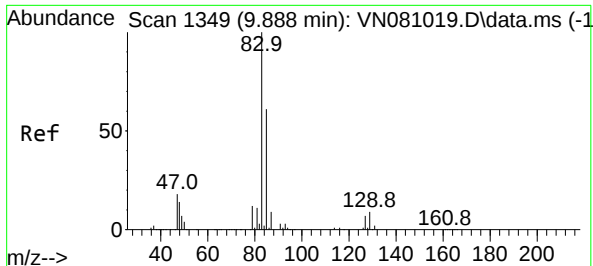
Ion Ratio Lower Upper

93 100

95 81.3 68.1 102.1

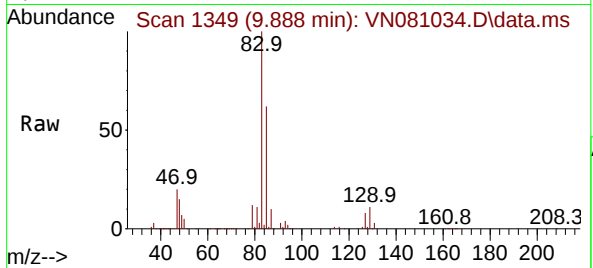
174 86.3 57.2 85.8#





#47
Bromodichloromethane
Concen: 50.759 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

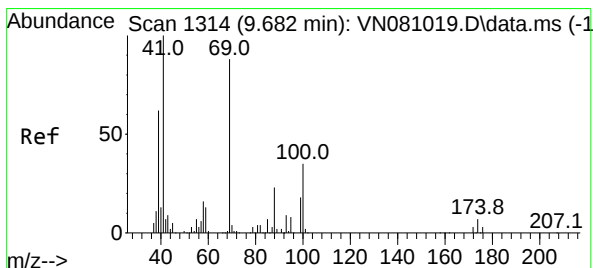
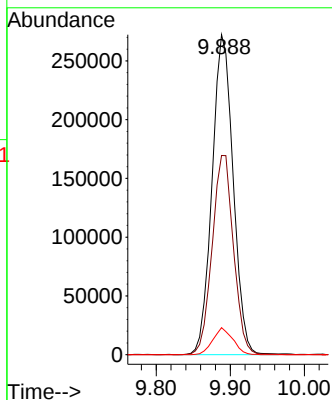
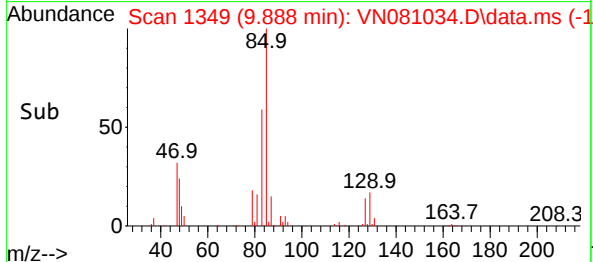
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 83 Resp: 538817
Ion Ratio Lower Upper
83 100
85 62.2 52.3 78.5
127 8.5 4.6 7.0

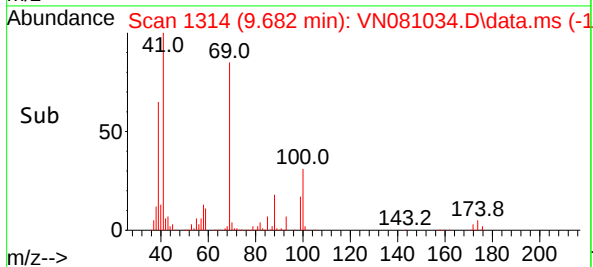
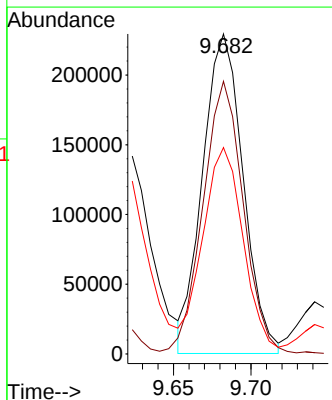
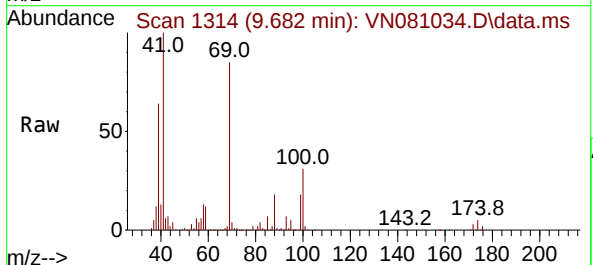
Manual Integrations
APPROVED

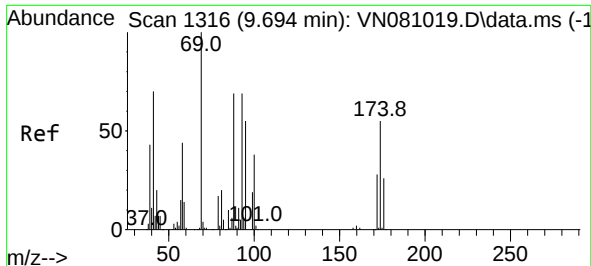
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#48
Methyl methacrylate
Concen: 49.168 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 41 Resp: 416173
Ion Ratio Lower Upper
41 100
69 85.1 62.2 93.2
39 65.1 47.6 71.4





#49

1,4-Dioxane

Concen: 1004.715 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 14564

Ion Ratio Lower Upper

88 100

43 30.2 30.1 45.1

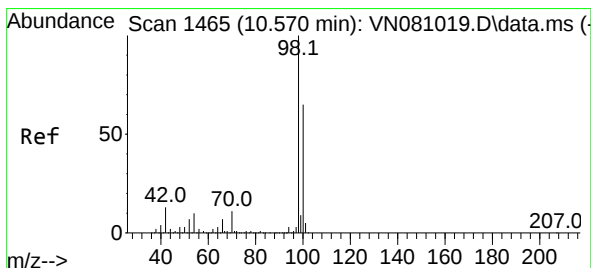
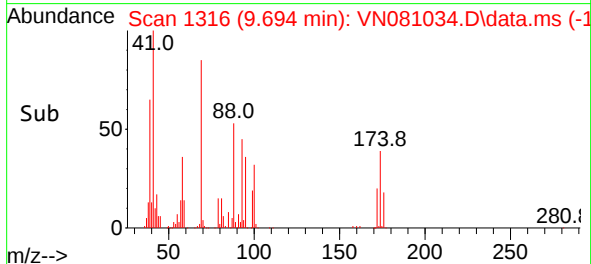
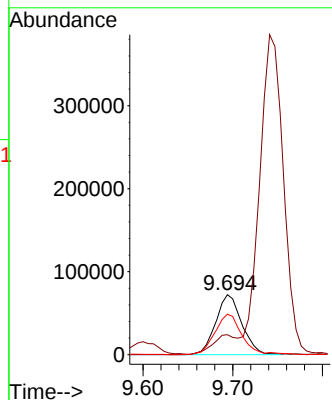
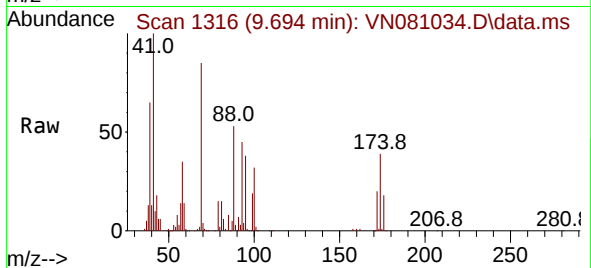
58 70.6 63.9 95.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#50

Toluene-d8

Concen: 44.241 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081034.D

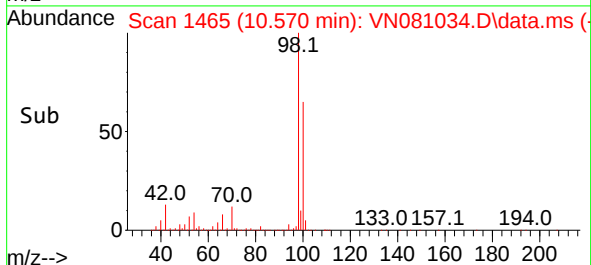
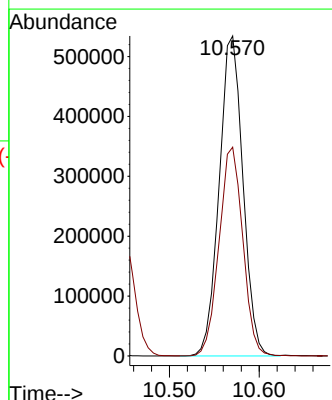
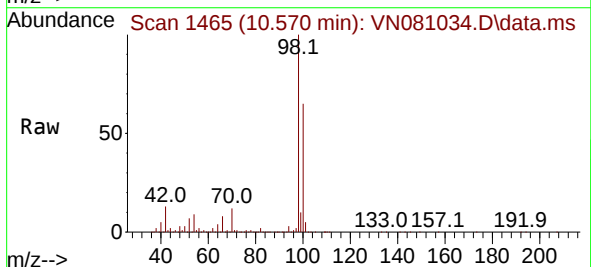
Acq: 14 Feb 2024 18:55

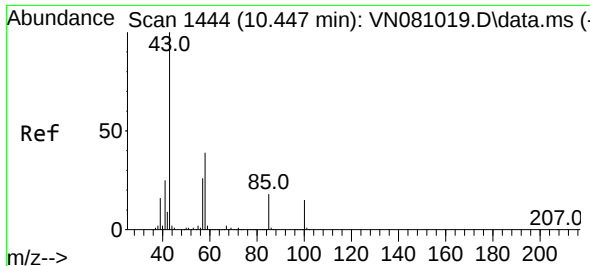
Tgt Ion: 98 Resp: 980928

Ion Ratio Lower Upper

98 100

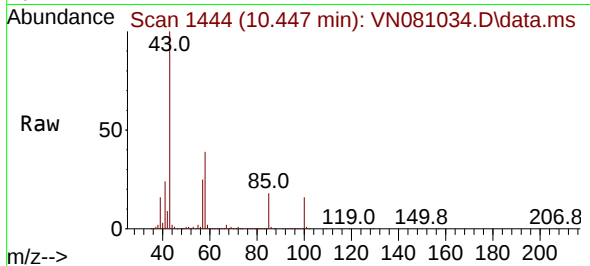
100 65.3 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 249.289 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

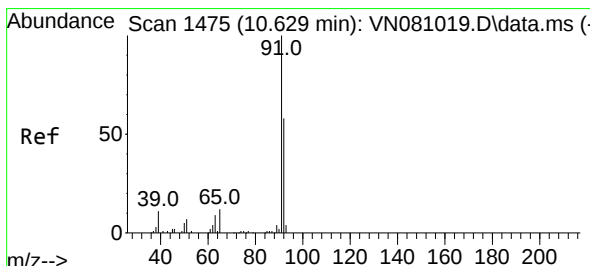
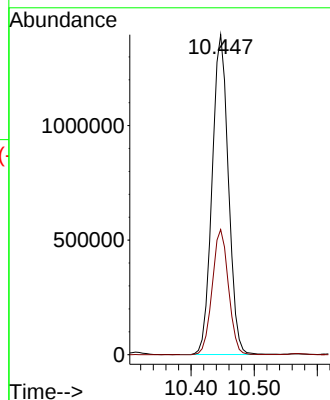
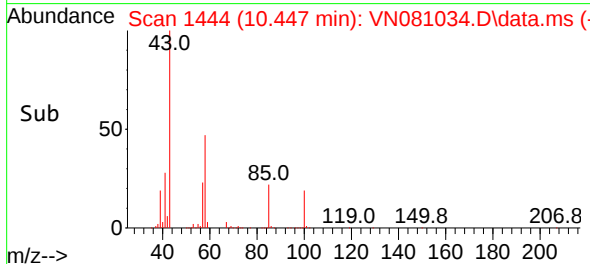
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 249933
Ion Ratio Lower Upper
43 100
58 39.0 29.4 44.0

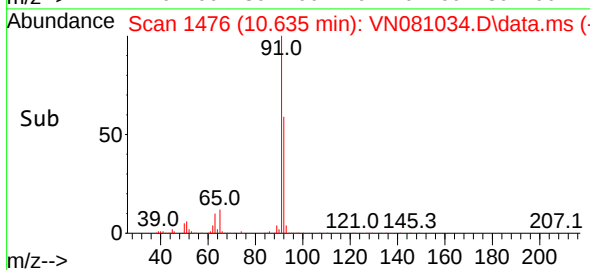
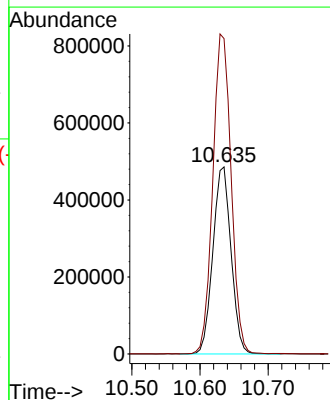
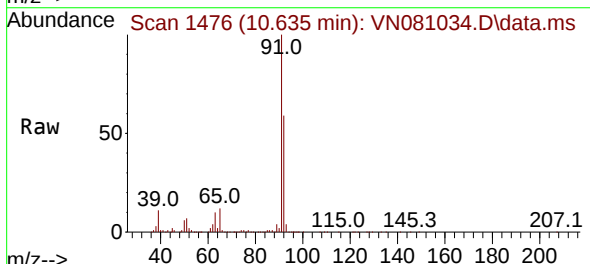
Manual Integrations
APPROVED

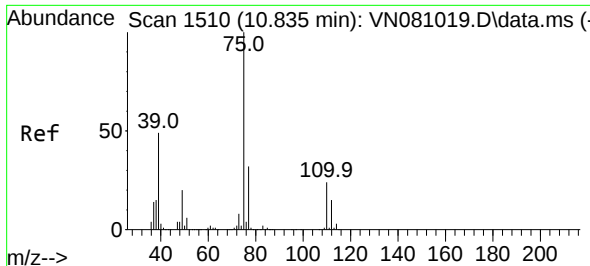
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#52
Toluene
Concen: 46.455 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

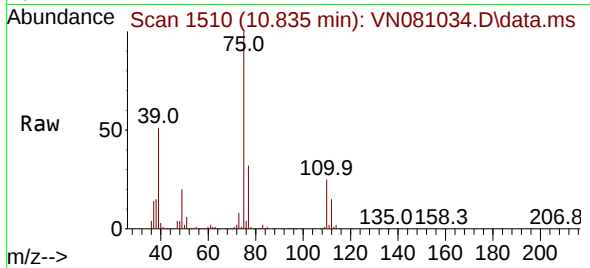
Tgt Ion: 92 Resp: 900156
Ion Ratio Lower Upper
92 100
91 172.4 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 48.231 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

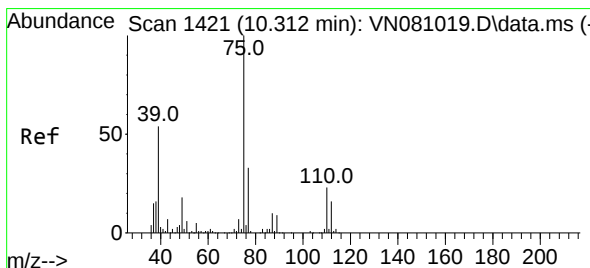
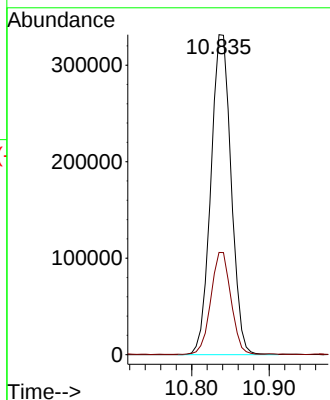
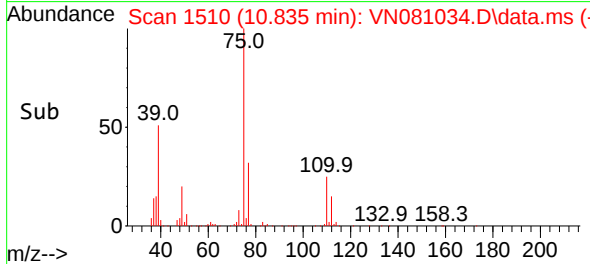
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



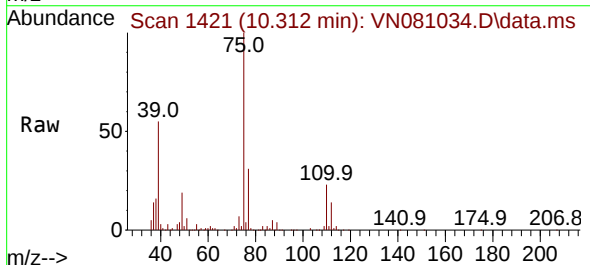
Tgt Ion: 75 Resp: 60318
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

Manual Integrations
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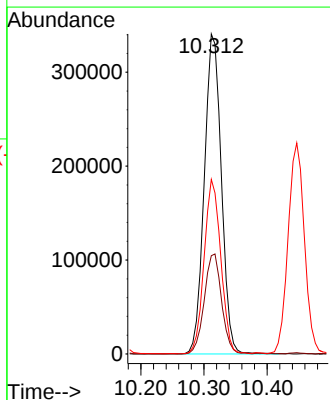
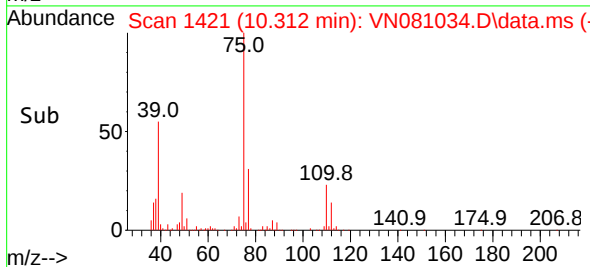
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

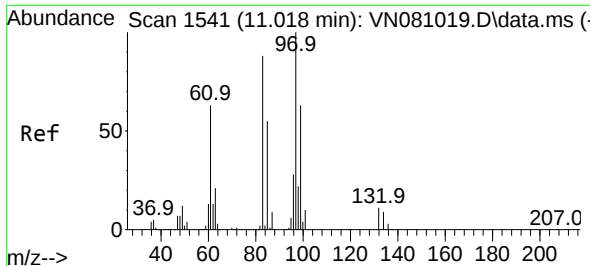


#54
cis-1,3-Dichloropropene
Concen: 48.316 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



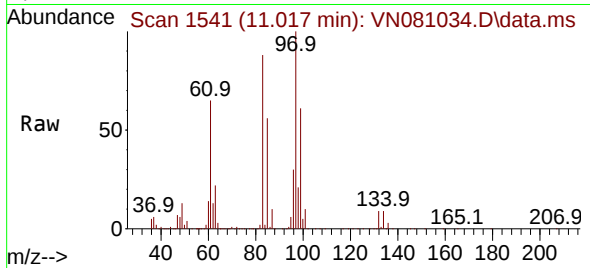
Tgt Ion: 75 Resp: 639043
Ion Ratio Lower Upper
75 100
77 30.6 23.3 34.9
39 54.5 44.6 66.8





#55
1,1,2-Trichloroethane
Concen: 48.486 ug/l
RT: 11.017 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

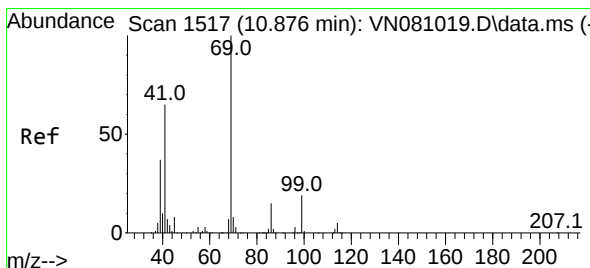
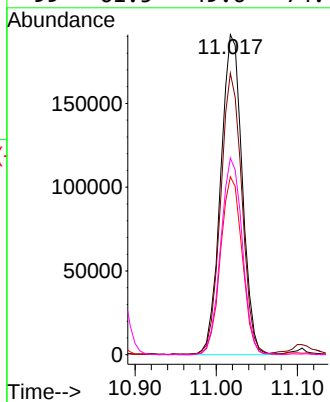
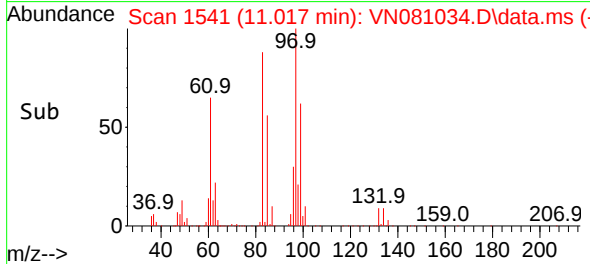
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



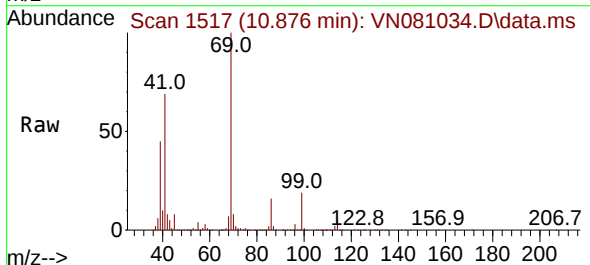
Tgt Ion: 97 Resp: 353298
Ion Ratio Lower Upper
97 100
83 87.7 72.9 109.3
85 55.5 50.2 75.2
99 61.5 49.6 74.4

Manual Integrations
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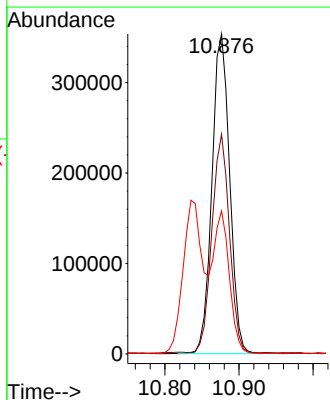
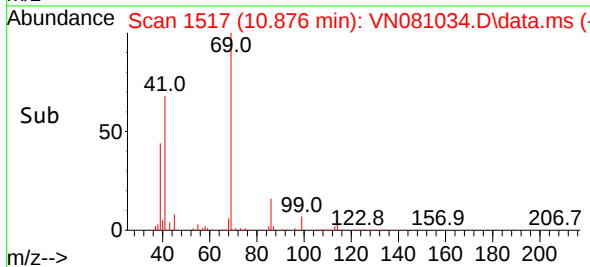
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

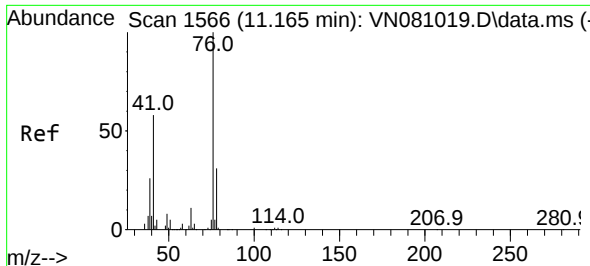


#56
Ethyl methacrylate
Concen: 49.219 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



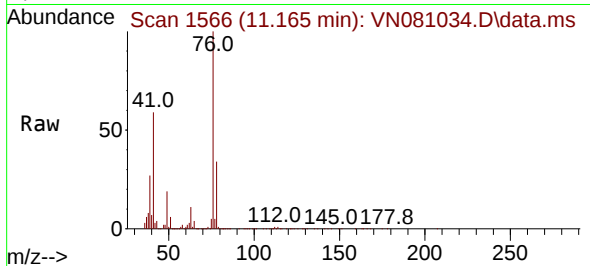
Tgt Ion: 69 Resp: 587219
Ion Ratio Lower Upper
69 100
41 67.8 61.0 91.6
39 39.6 31.8 47.6





#57
1,3-Dichloropropane
Concen: 48.998 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

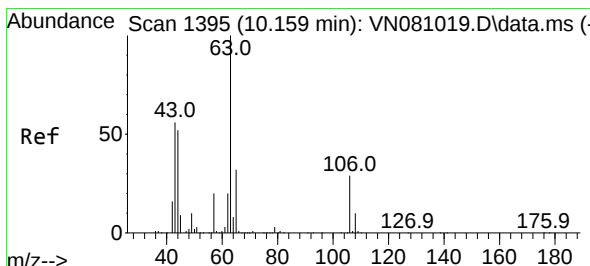
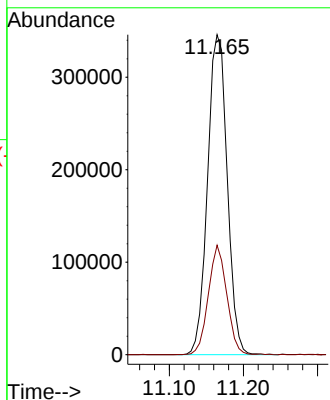
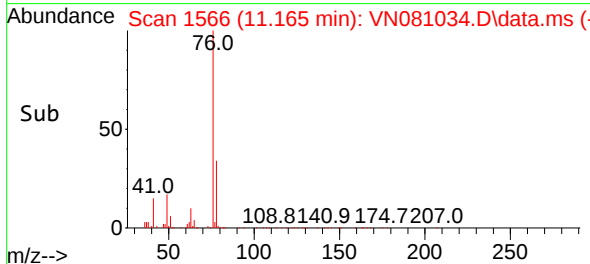
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 637812
Ion Ratio Lower Upper
76 100
78 32.0 25.5 38.3

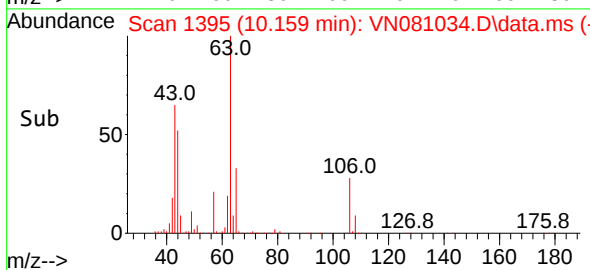
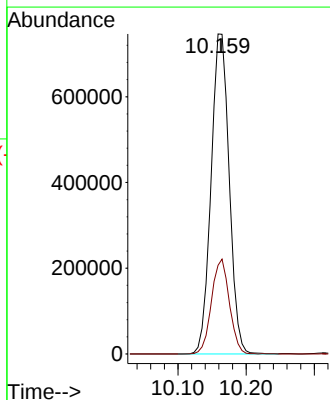
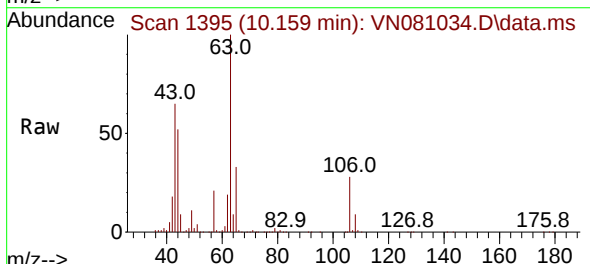
Manual Integrations
APPROVED

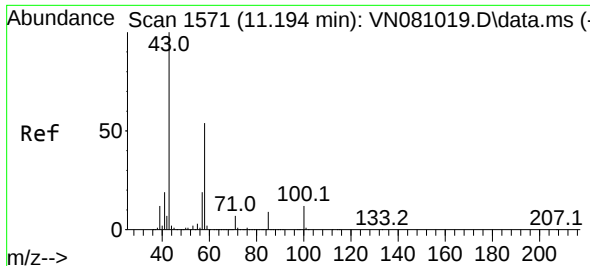
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#58
2-Chloroethyl Vinyl ether
Concen: 233.406 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

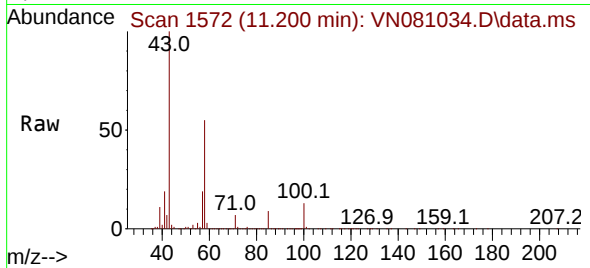
Tgt Ion: 63 Resp: 1381778
Ion Ratio Lower Upper
63 100
106 29.2 18.6 28.0#





#59
2-Hexanone
Concen: 250.942 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

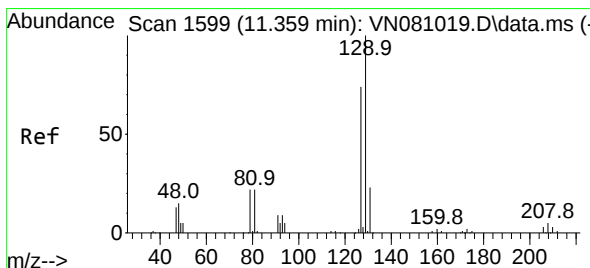
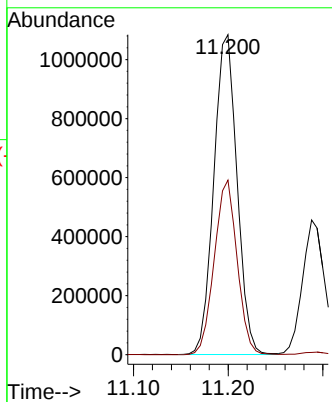
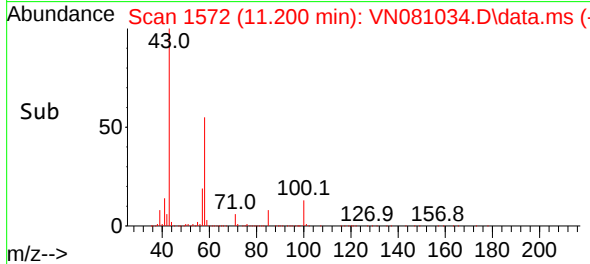
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 1847725
Ion Ratio Lower Upper
43 100
58 53.7 25.9 77.8

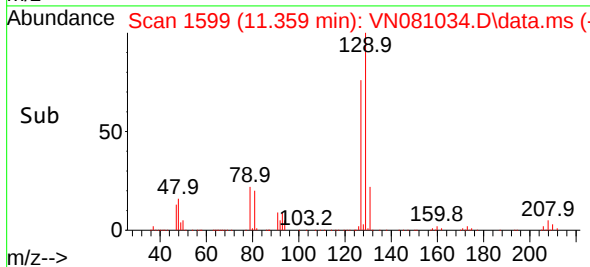
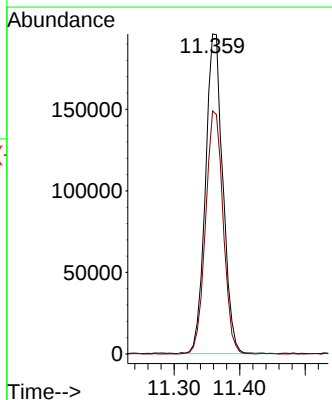
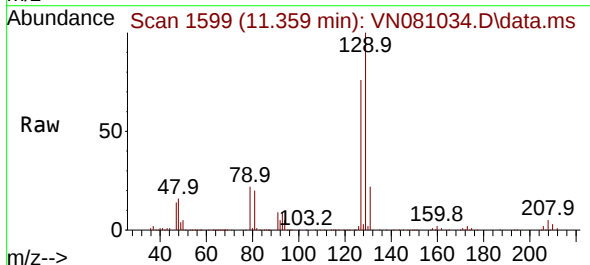
Manual Integrations
APPROVED

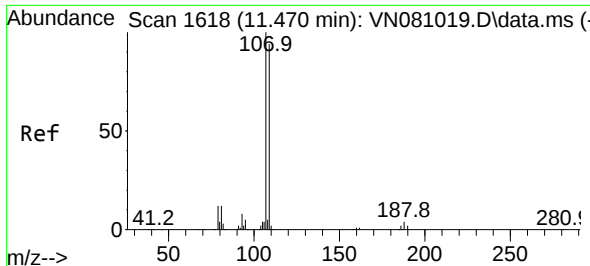
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#60
Dibromochloromethane
Concen: 52.032 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

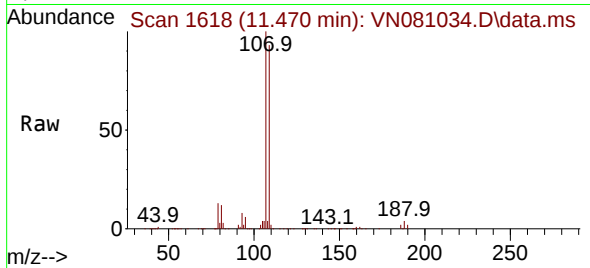
Tgt Ion:129 Resp: 360516
Ion Ratio Lower Upper
129 100
127 76.9 39.4 118.2





#61
1,2-Dibromoethane
Concen: 47.775 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

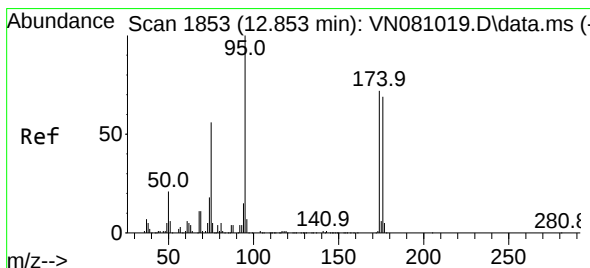
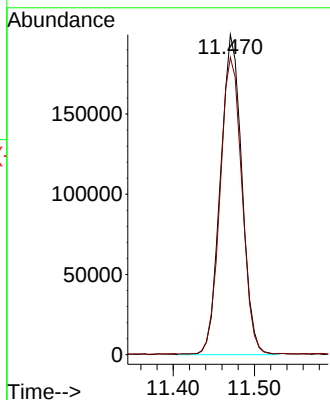
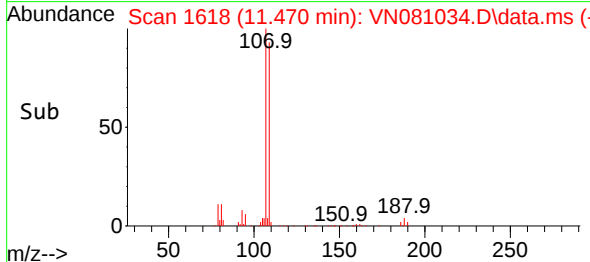
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:107 Resp: 36603
Ion Ratio Lower Upper
107 100
109 94.1 73.4 110.2

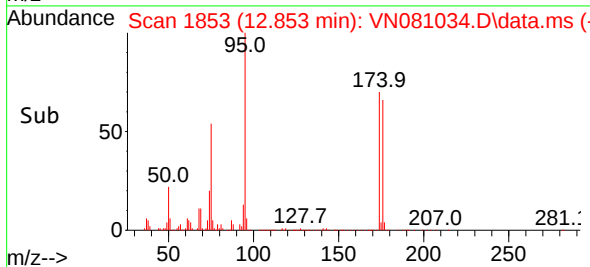
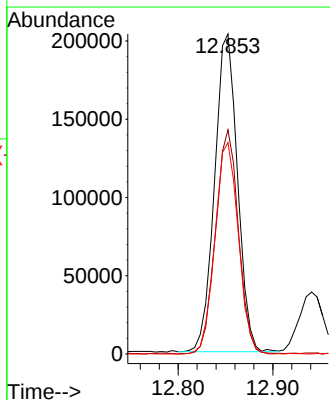
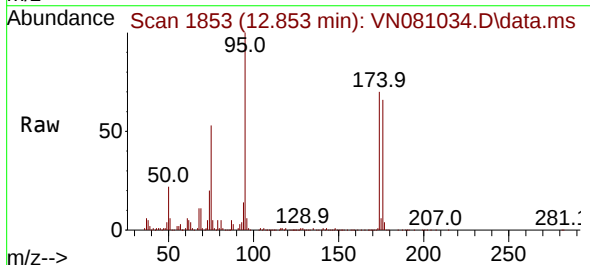
Manual Integrations
APPROVED

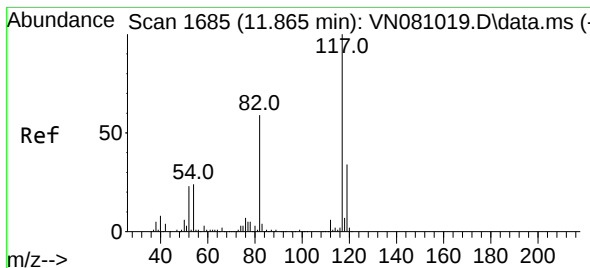
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#62
4-Bromofluorobenzene
Concen: 45.296 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 95 Resp: 341569
Ion Ratio Lower Upper
95 100
174 70.3 0.0 120.4
176 68.1 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 90775

Ion Ratio Lower Upper

117 100

82 56.3 52.7 79.1

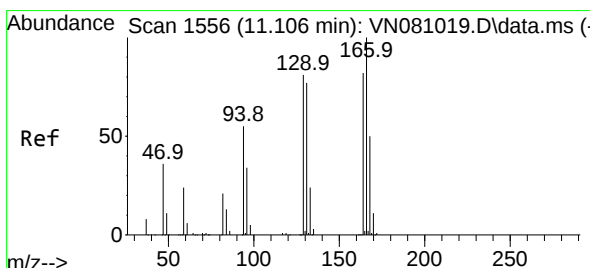
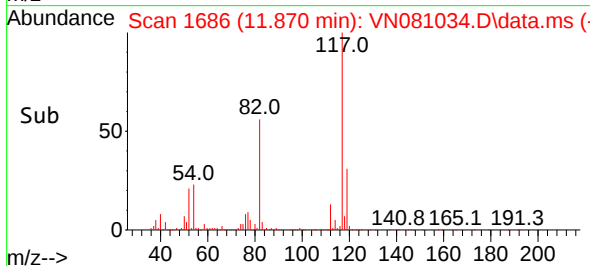
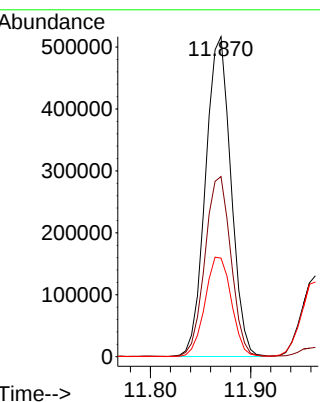
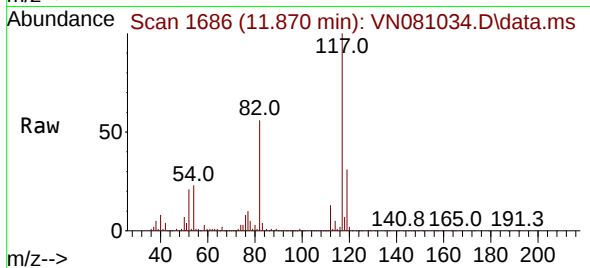
119 30.7 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#64

Tetrachloroethene

Concen: 42.914 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion:164 Resp: 397140

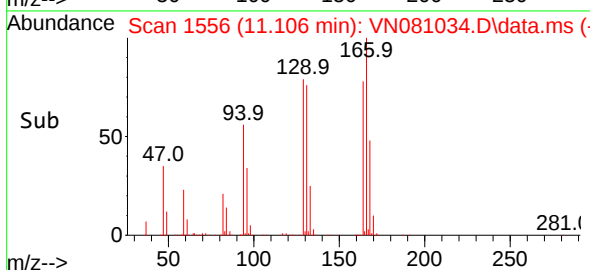
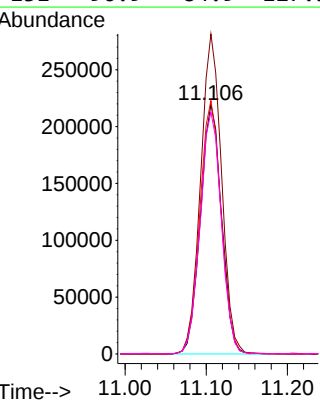
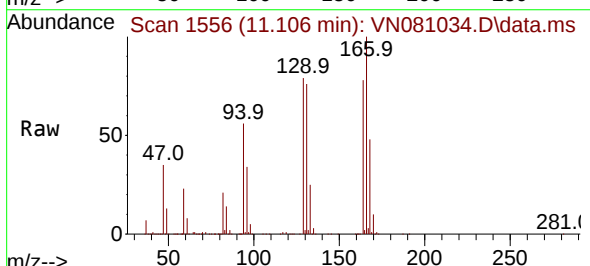
Ion Ratio Lower Upper

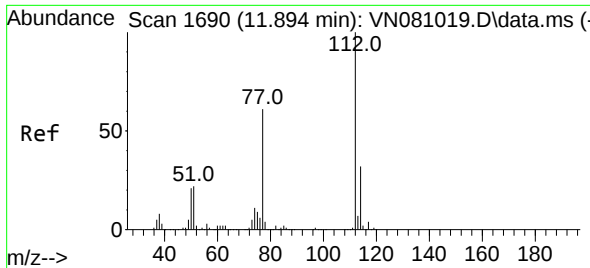
164 100

166 128.3 105.8 158.6

129 101.5 89.6 134.4

131 96.9 84.9 127.3





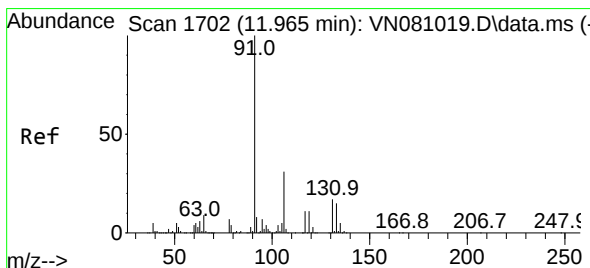
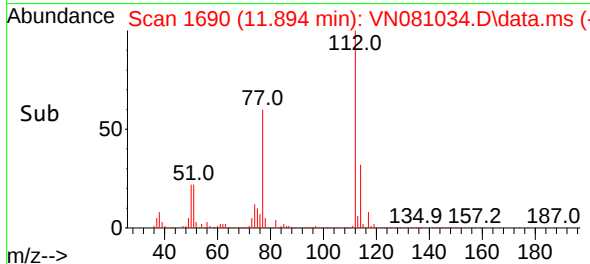
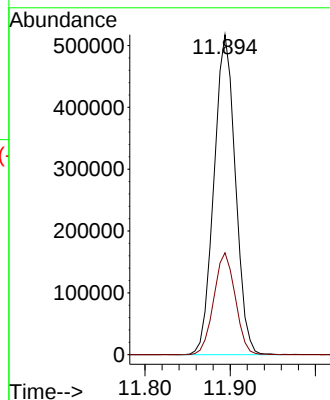
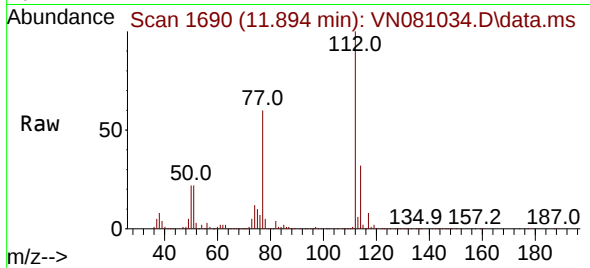
#65
Chlorobenzene
Concen: 47.478 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 90374
Ion Ratio Lower Upper
112 100
114 31.9 23.7 35.5

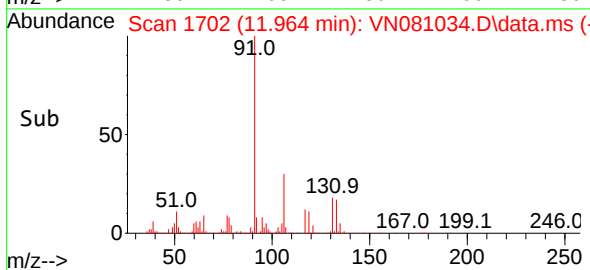
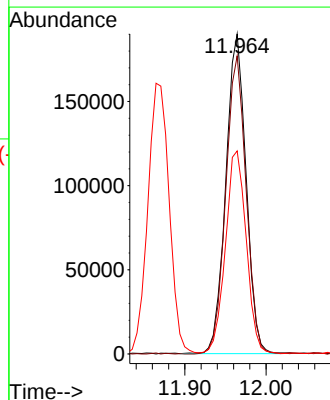
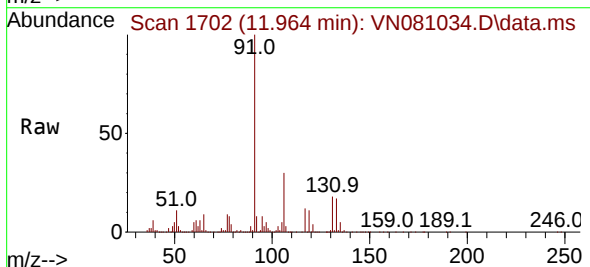
Manual Integrations
APPROVED

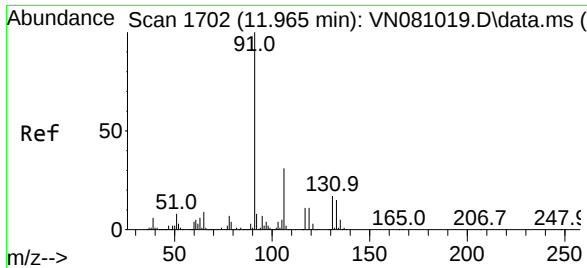
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 50.143 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

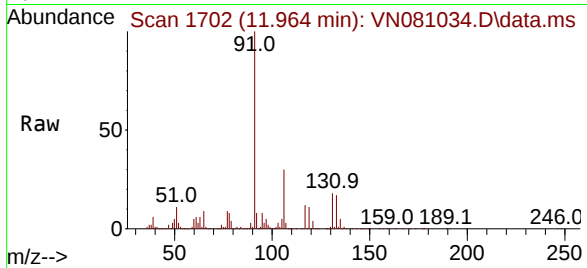
Tgt Ion:131 Resp: 328603
Ion Ratio Lower Upper
131 100
133 94.2 46.8 140.3
119 65.3 34.6 103.9





#67
Ethyl Benzene
Concen: 48.092 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

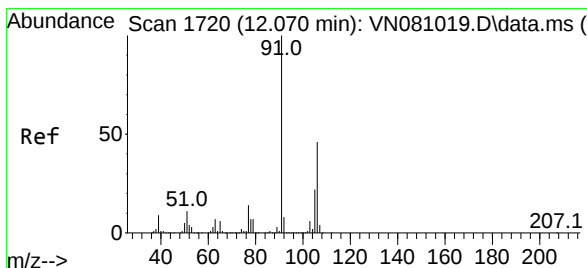
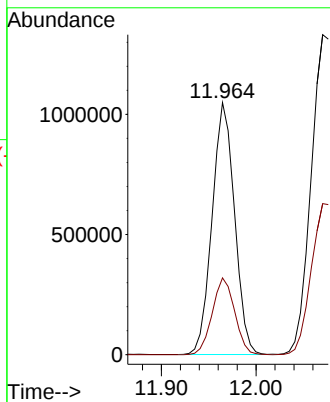
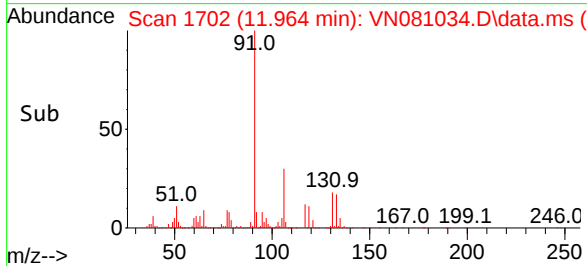
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 91 Resp: 1725814
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

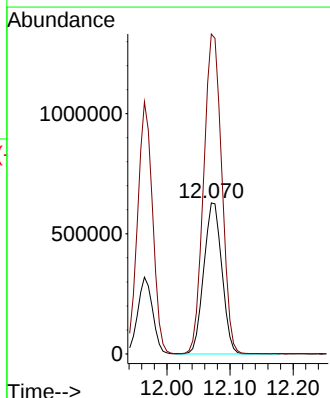
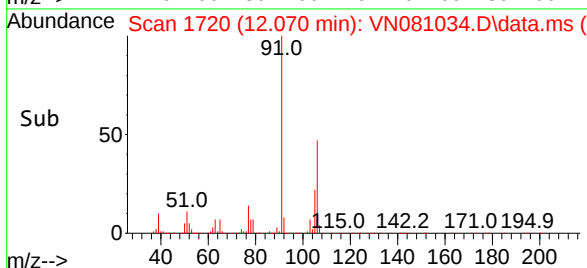
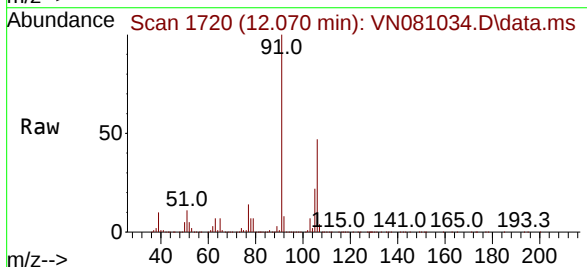
Manual Integrations
APPROVED

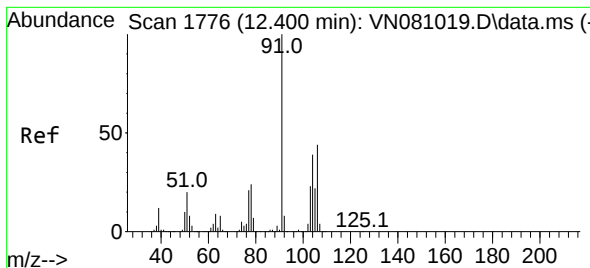
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#68
m/p-Xylenes
Concen: 94.509 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion:106 Resp: 1250691
Ion Ratio Lower Upper
106 100
91 211.7 169.0 253.6





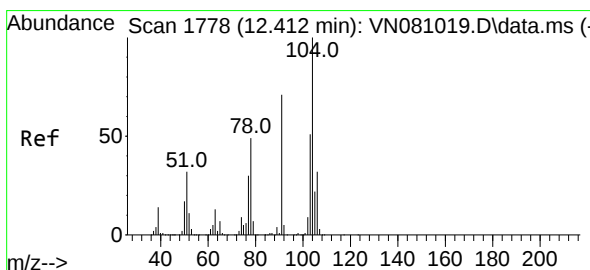
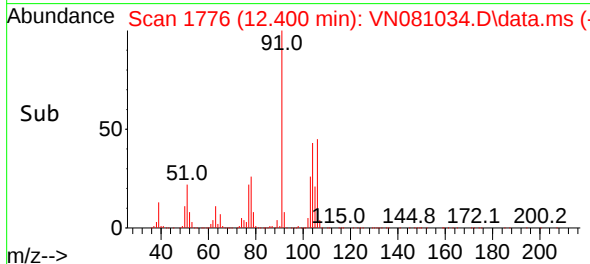
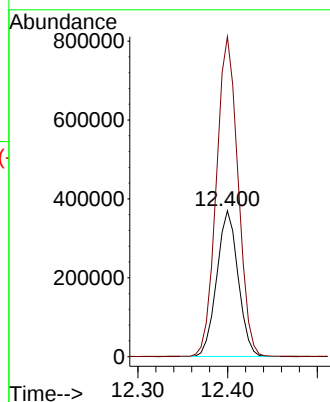
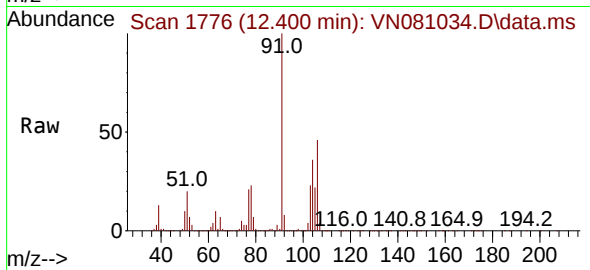
#69
o-Xylene
Concen: 47.621 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 611200
Ion Ratio Lower Upper
106 100
91 221.9 112.1 336.3

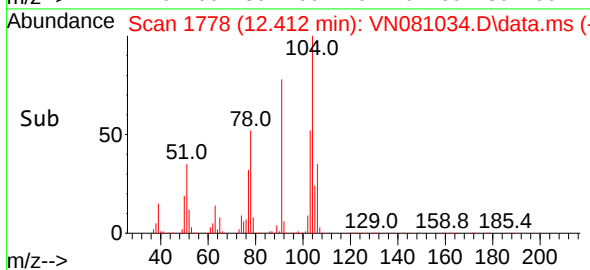
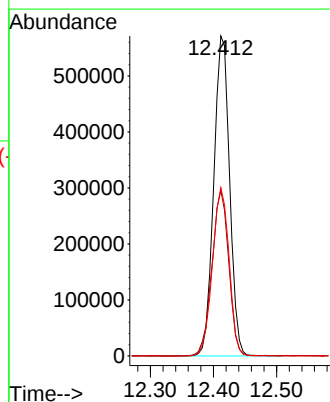
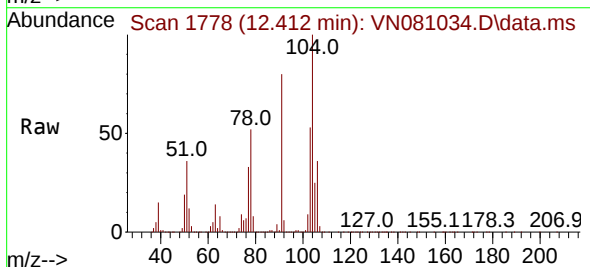
Manual Integrations
APPROVED

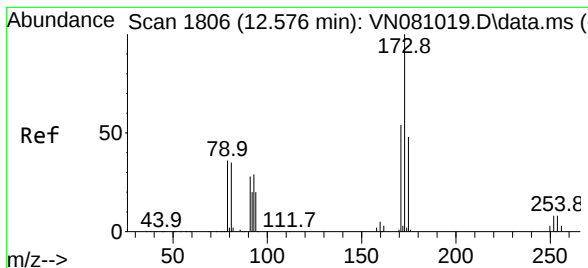
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#70
Styrene
Concen: 48.744 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion:104 Resp: 997124
Ion Ratio Lower Upper
104 100
78 54.8 43.8 65.8
103 55.2 44.2 66.2





#71

Bromoform

Concen: 59.822 ug/l

RT: 12.582 min Scan# 1806

Delta R.T. 0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

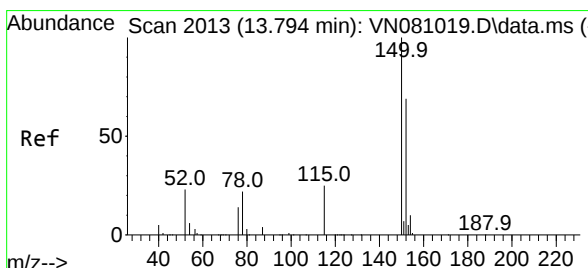
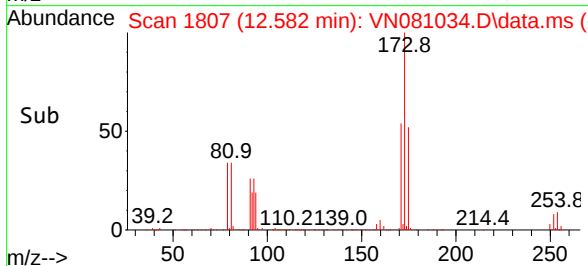
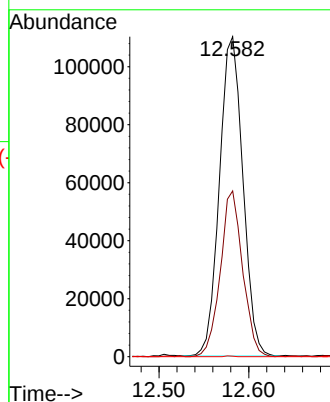
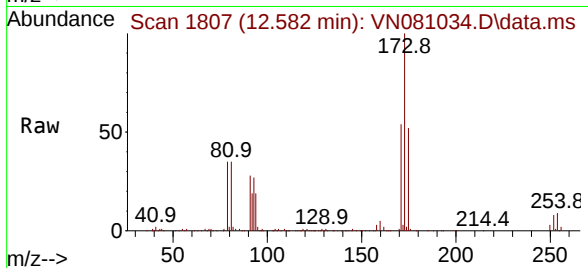
Tgt Ion:173 Resp: 199452
 Ion Ratio Lower Upper
 173 100
 175 49.4 23.1 69.2
 254 0.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

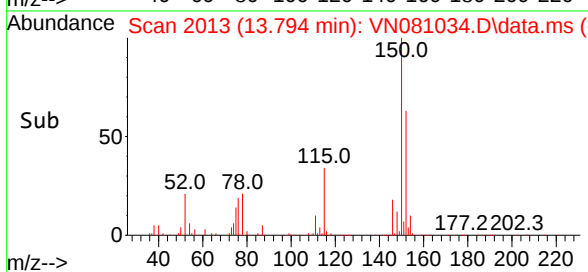
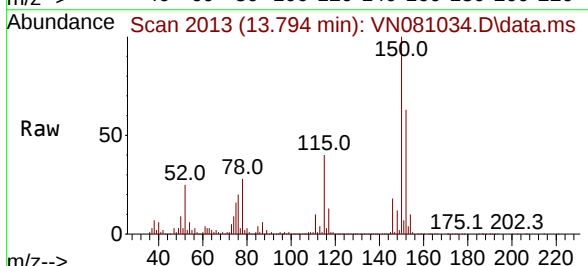
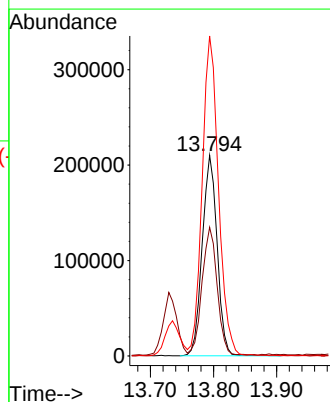
RT: 13.794 min Scan# 2013

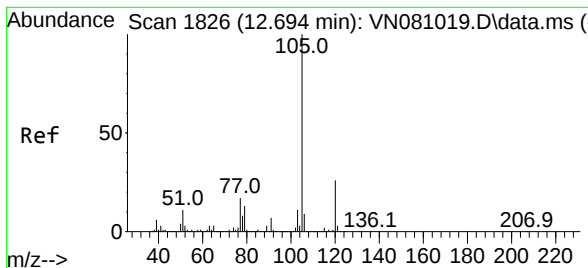
Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion:152 Resp: 344521
 Ion Ratio Lower Upper
 152 100
 115 64.1 32.3 96.8
 150 173.3 0.0 339.8





#73

Isopropylbenzene

Concen: 45.555 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 158572

Ion Ratio Lower Upper

105 100

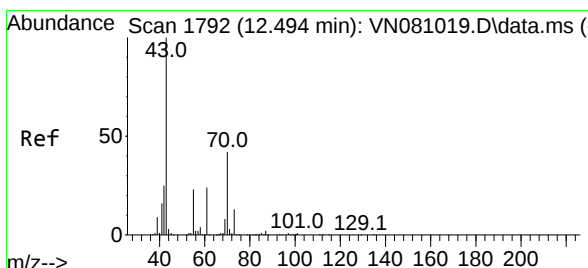
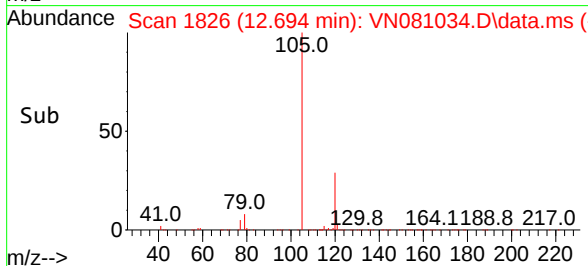
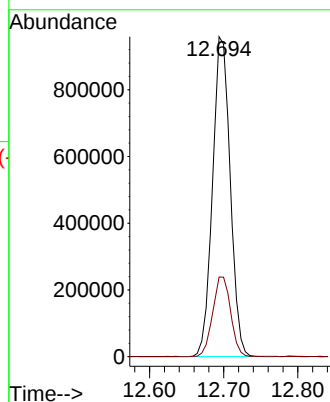
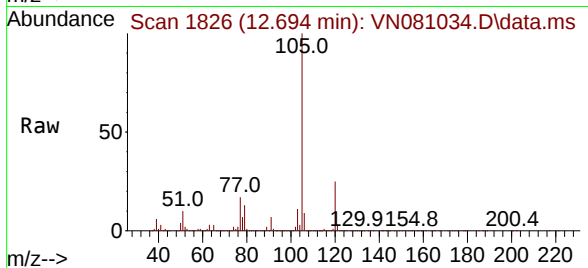
120 25.5 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#74

N-ethyl acetate

Concen: 47.405 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Tgt Ion: 43 Resp: 759174

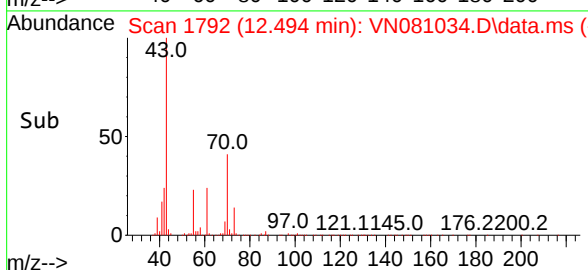
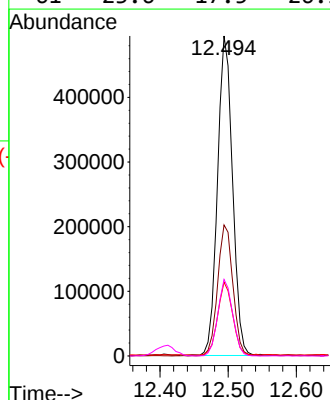
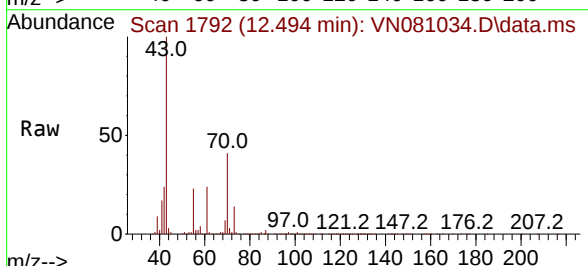
Ion Ratio Lower Upper

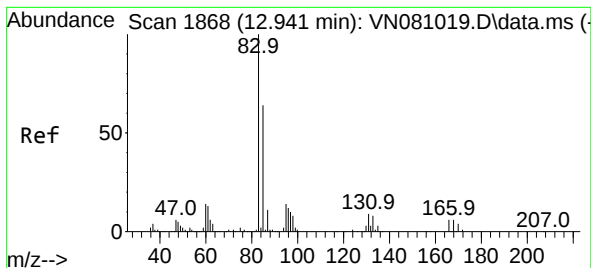
43 100

70 41.7 30.1 45.1

55 22.5 17.0 25.4

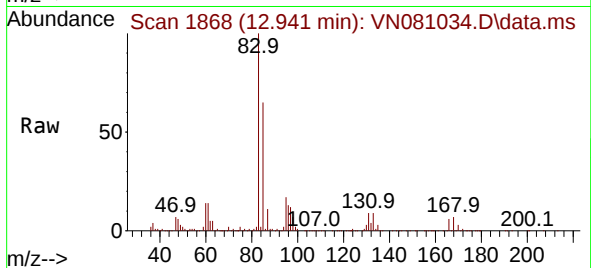
61 23.6 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 47.673 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

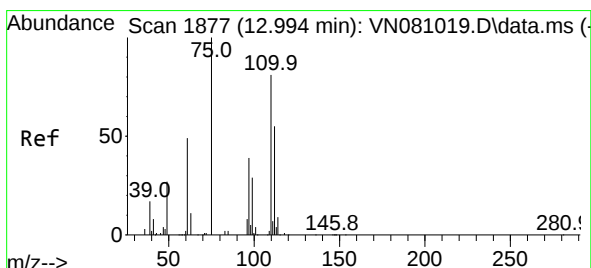
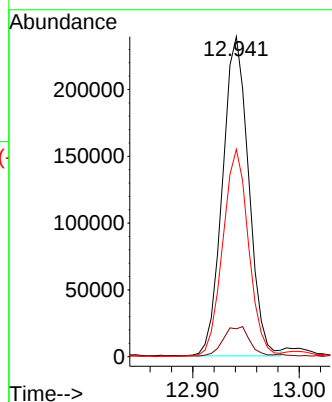
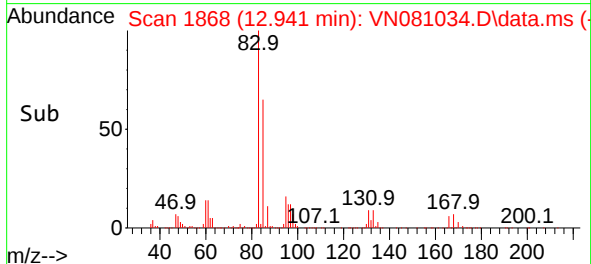
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 83 Resp: 407309
Ion Ratio Lower Upper
83 100
131 9.8 4.1 12.3
85 63.9 32.1 96.3

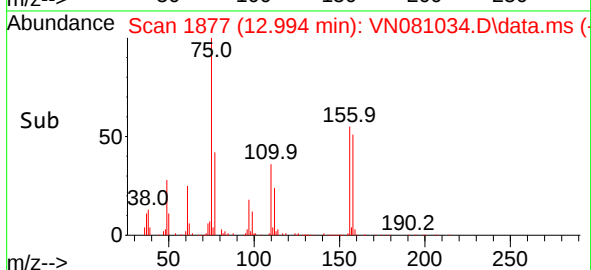
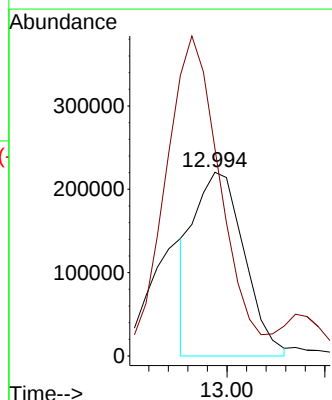
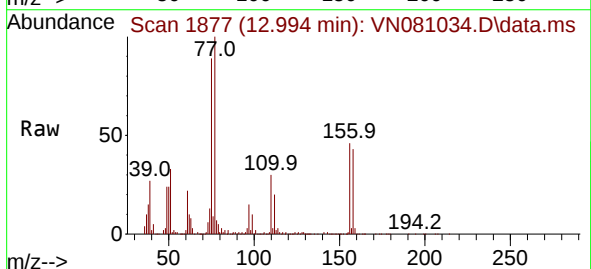
Manual Integrations
APPROVED

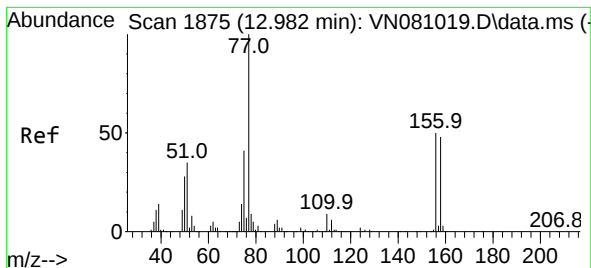
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#76
1,2,3-Trichloropropane
Concen: 51.674 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 75 Resp: 393367
Ion Ratio Lower Upper
75 100
77 188.9 91.0 272.8





#77

Bromobenzene

Concen: 46.620 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

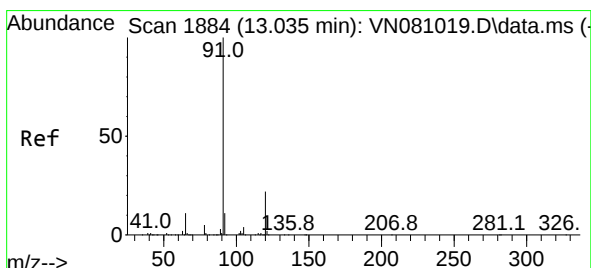
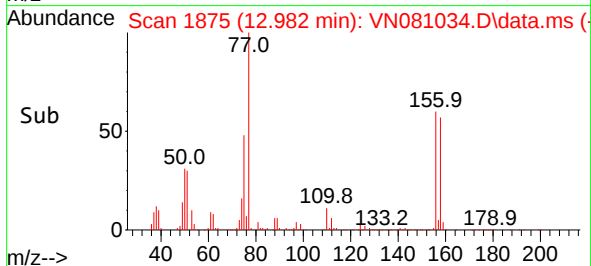
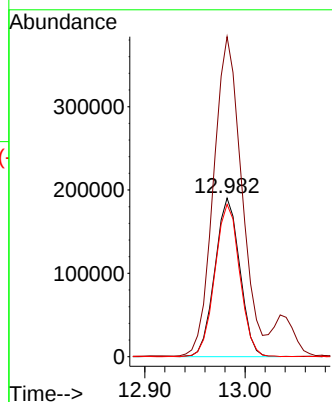
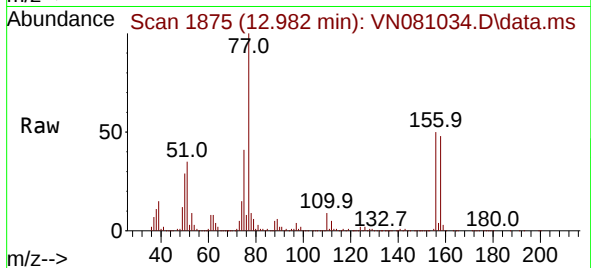
Tgt Ion:	156	Resp:	32869
Ion Ratio	Lower	Upper	
156	100		
77	226.1	138.1	414.3
158	95.9	46.5	139.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#78

n-propylbenzene

Concen: 46.651 ug/l

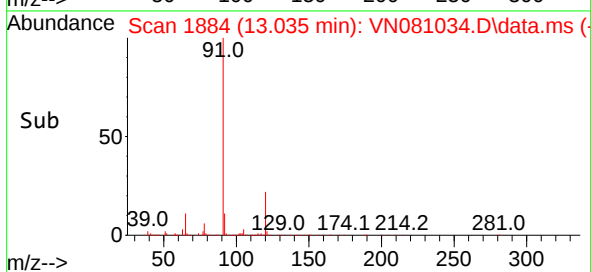
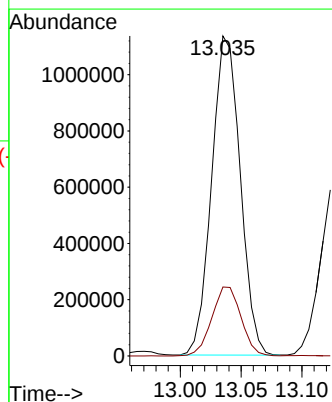
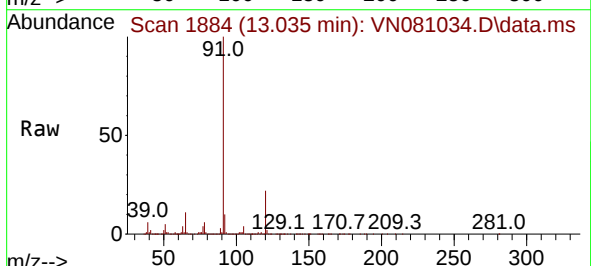
RT: 13.035 min Scan# 1884

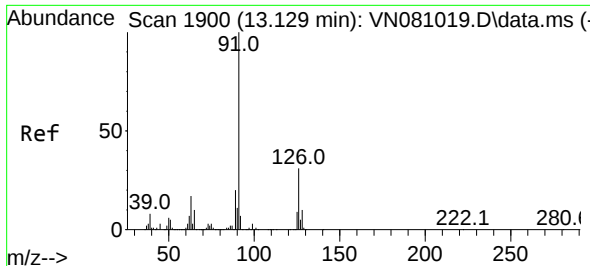
Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

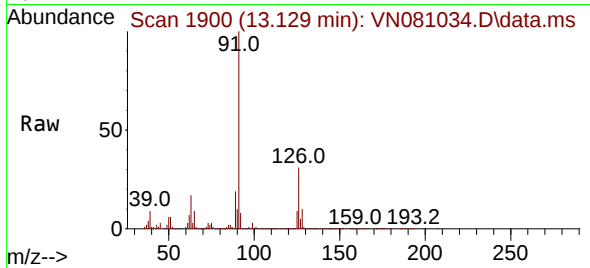
Tgt Ion:	91	Resp:	1853003
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.3	30.9





#79
2-Chlorotoluene
Concen: 46.549 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

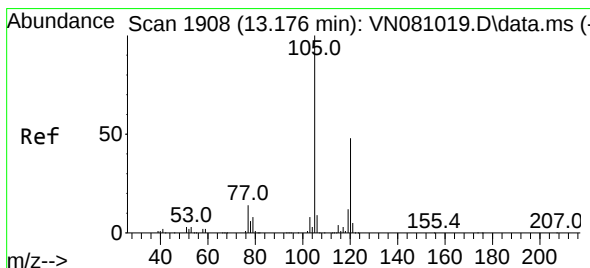
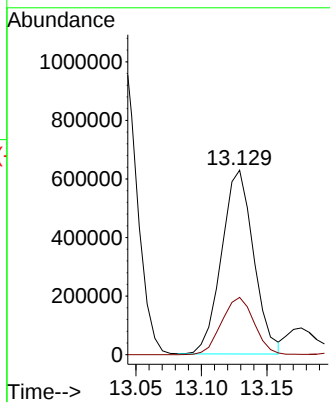
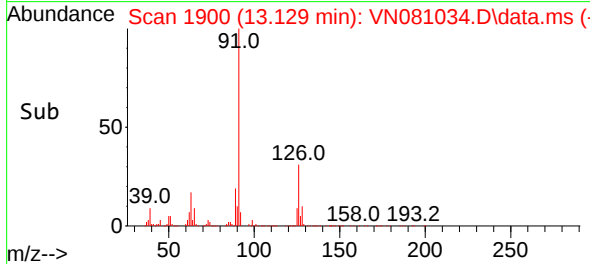
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



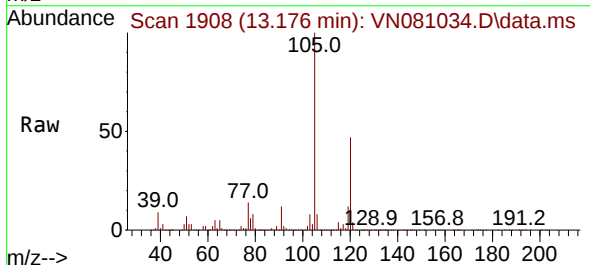
Tgt Ion: 91 Resp: 1067919
Ion Ratio Lower Upper
91 100
126 31.7 14.8 44.4

Manual Integrations
APPROVED

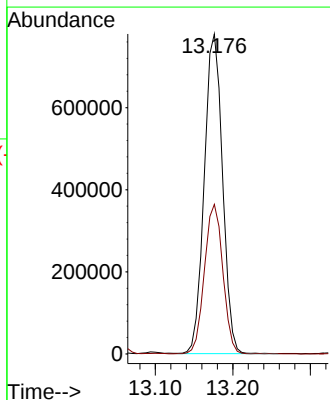
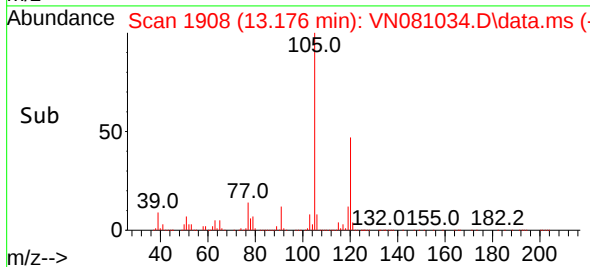
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

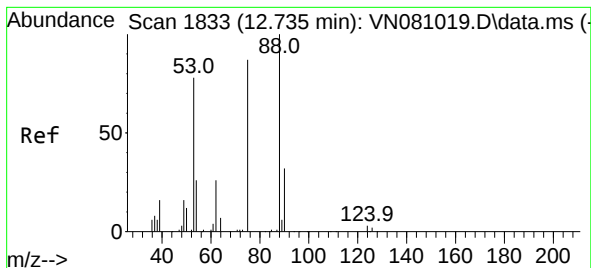


#80
1,3,5-Trimethylbenzene
Concen: 47.049 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



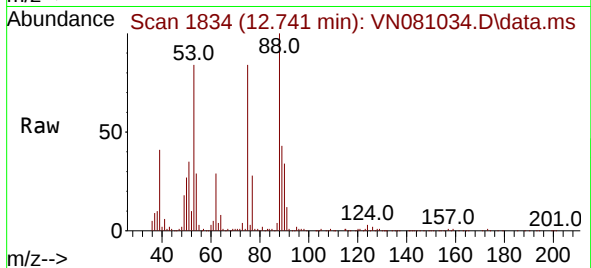
Tgt Ion:105 Resp: 1270606
Ion Ratio Lower Upper
105 100
120 47.1 23.0 69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 48.484 ug/l
RT: 12.741 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

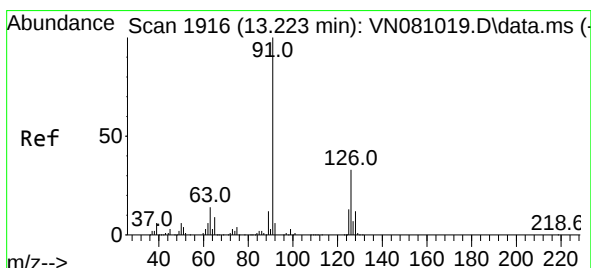
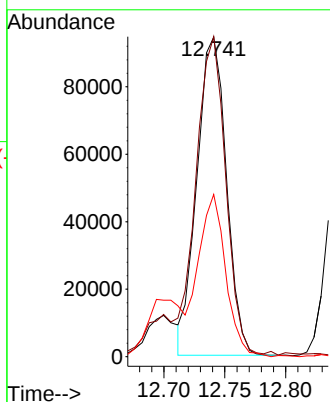
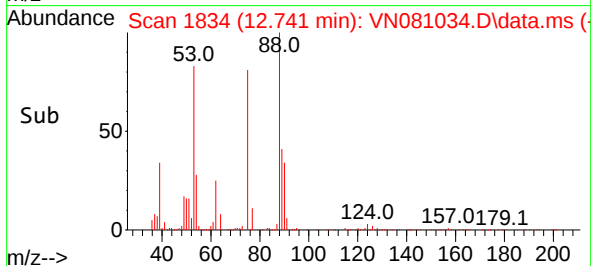
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 15855
Ion Ratio Lower Upper
75 100
53 114.1 71.4 107.2
89 47.2 33.4 50.0

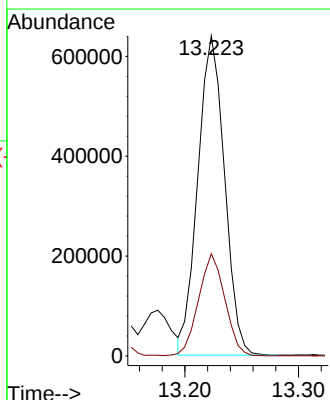
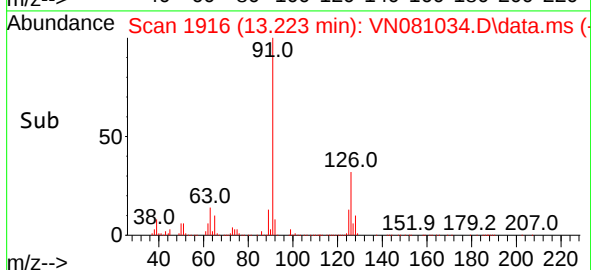
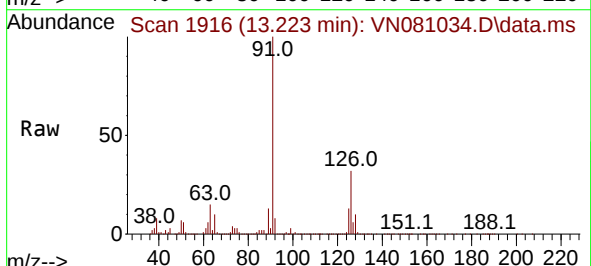
Manual Integrations
APPROVED

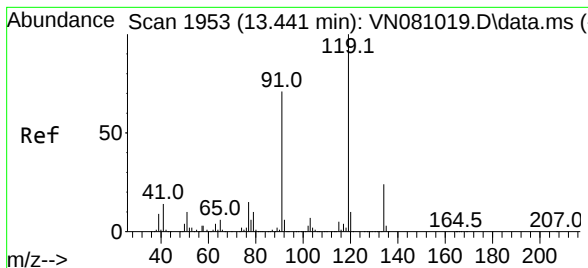
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#82
4-Chlorotoluene
Concen: 47.149 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

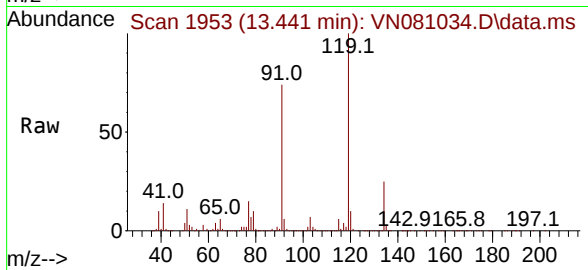
Tgt Ion: 91 Resp: 1045293
Ion Ratio Lower Upper
91 100
126 31.5 15.3 45.9





#83
tert-Butylbenzene
Concen: 46.217 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

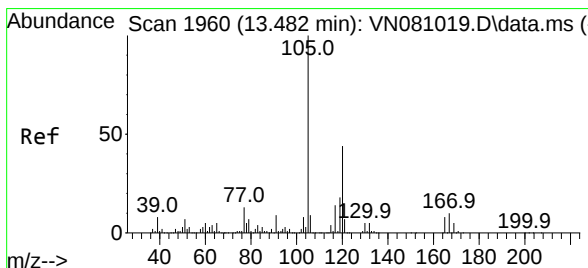
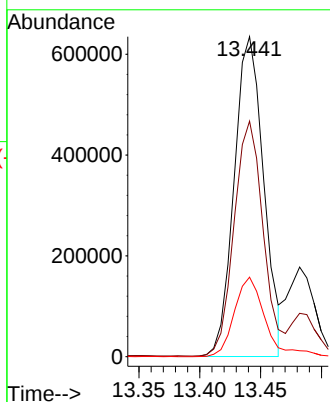
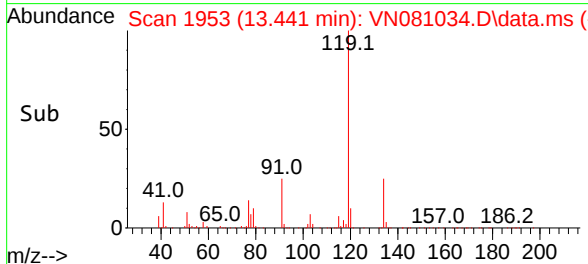
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



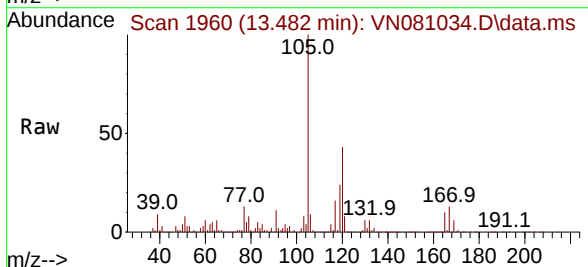
Tgt Ion:119 Resp: 1068833
Ion Ratio Lower Upper
119 100
91 73.0 36.8 110.4
134 26.1 12.4 37.4

Manual Integrations
APPROVED

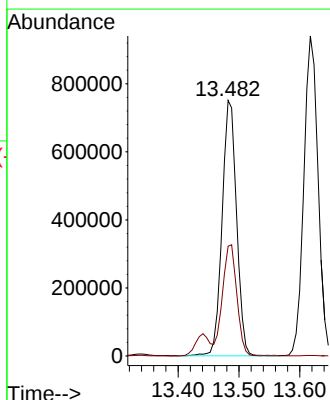
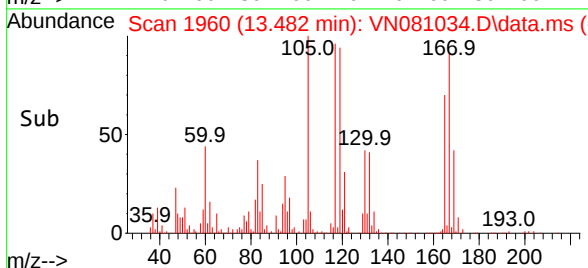
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

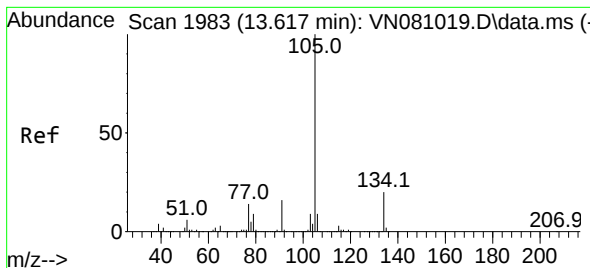


#84
1,2,4-Trimethylbenzene
Concen: 47.516 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



Tgt Ion:105 Resp: 1236384
Ion Ratio Lower Upper
105 100
120 43.1 20.9 62.7





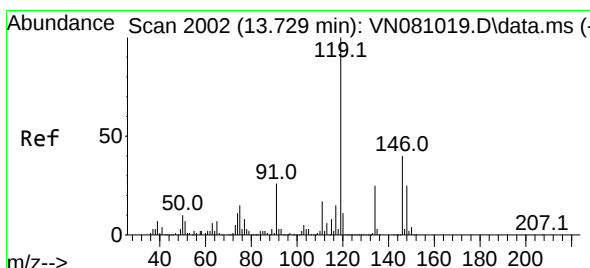
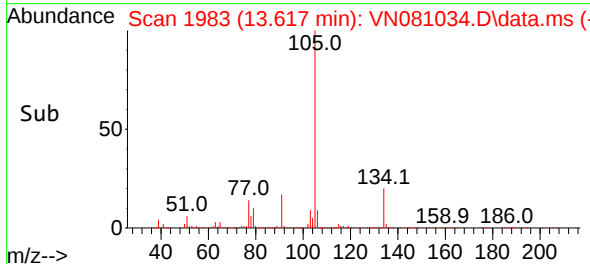
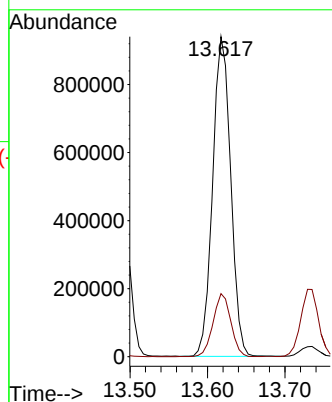
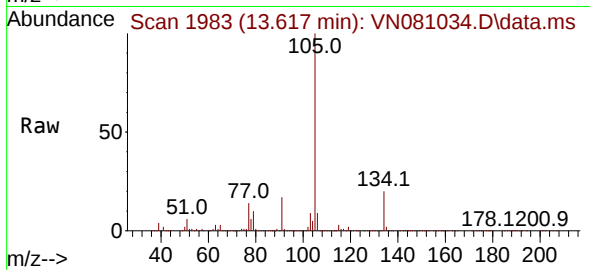
#85
 sec-Butylbenzene
 Concen: 47.976 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 152214
 Ion Ratio Lower Upper
 105 100
 134 19.4 8.6 25.8

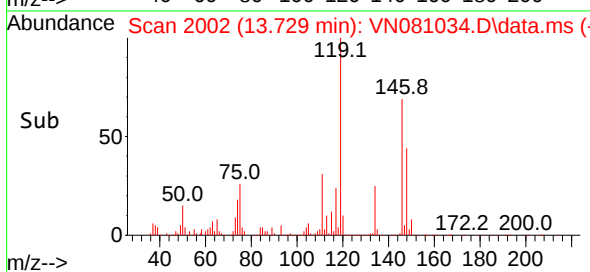
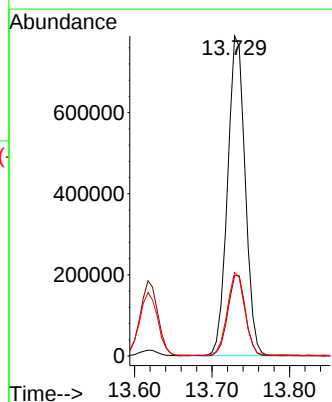
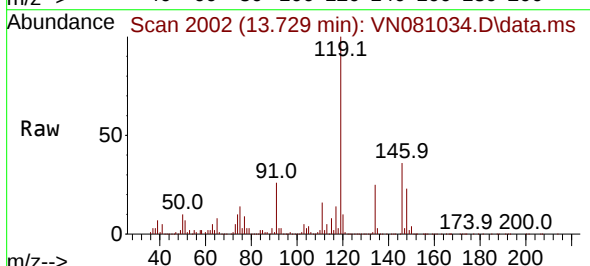
Manual Integrations
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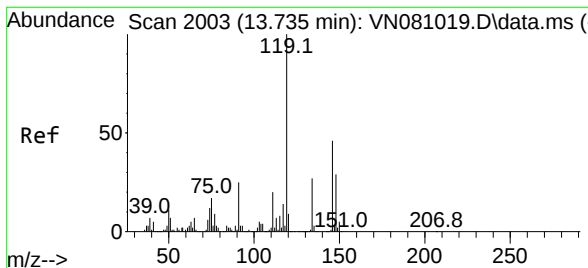
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#86
 p-Isopropyltoluene
 Concen: 48.860 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN081034.D
 Acq: 14 Feb 2024 18:55

Tgt Ion:119 Resp: 1246626
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.4 37.2
 91 25.9 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 47.303 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 567128

Ion Ratio Lower Upper

146 100

111 44.3 23.9 71.7

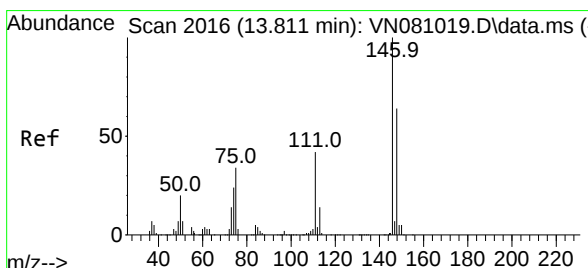
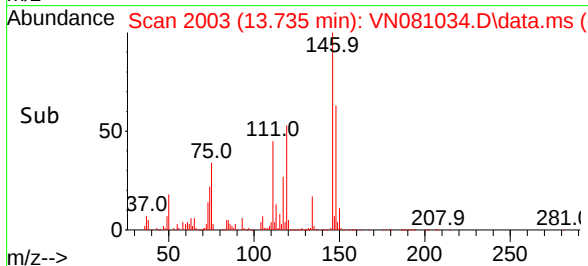
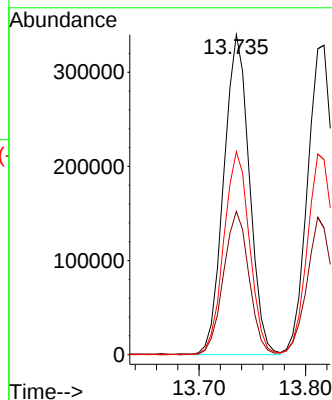
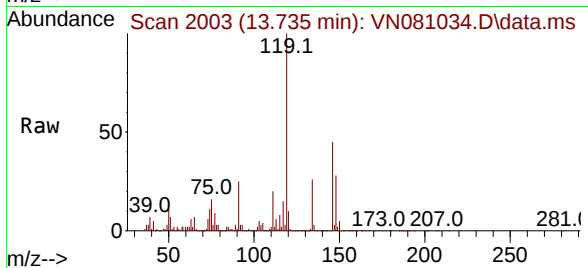
148 63.8 32.6 97.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#88

1,4-Dichlorobenzene

Concen: 45.536 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

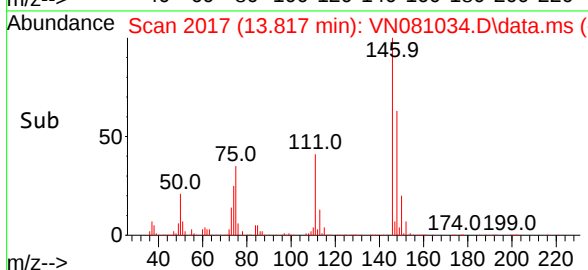
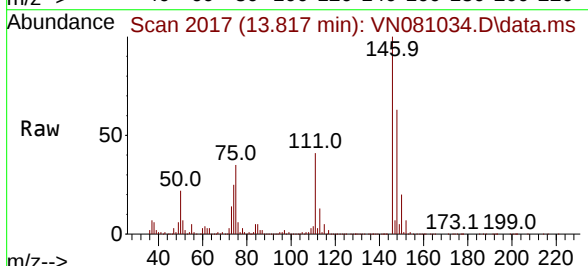
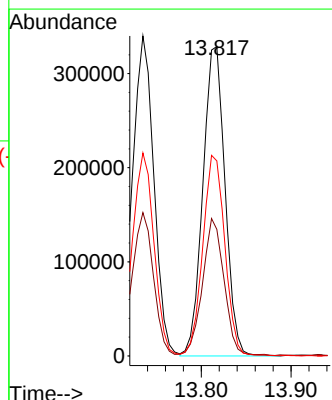
Tgt Ion:146 Resp: 564087

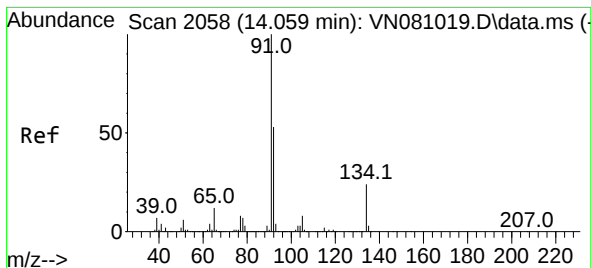
Ion Ratio Lower Upper

146 100

111 43.0 22.6 67.7

148 64.5 31.9 95.5





#89

n-Butylbenzene

Concen: 46.778 ug/l

RT: 14.058 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 109249

Ion Ratio Lower Upper

91 100

92 53.0 26.7 80.1

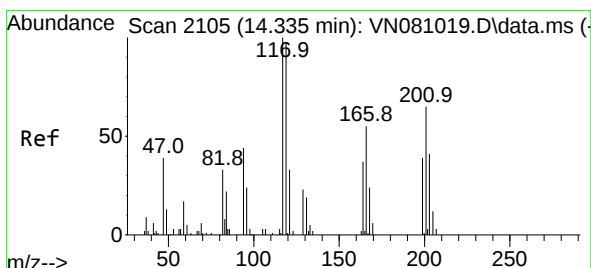
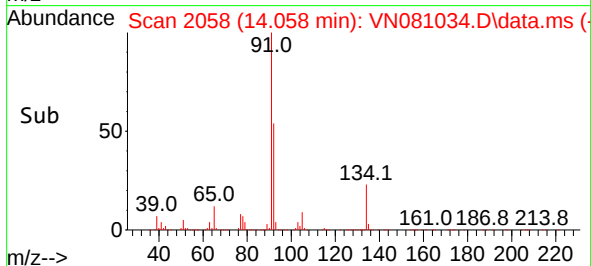
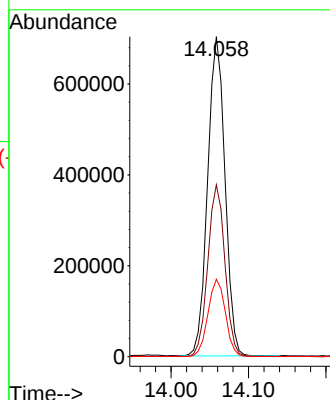
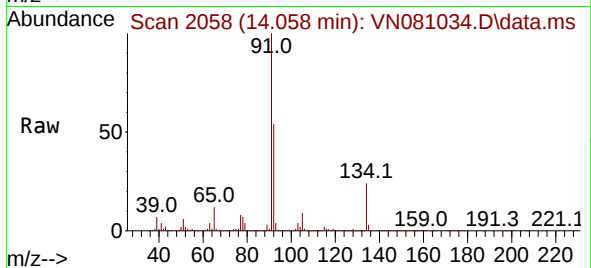
134 24.4 10.8 32.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#90

Hexachloroethane

Concen: 95.037 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. -0.000 min

Lab File: VN081034.D

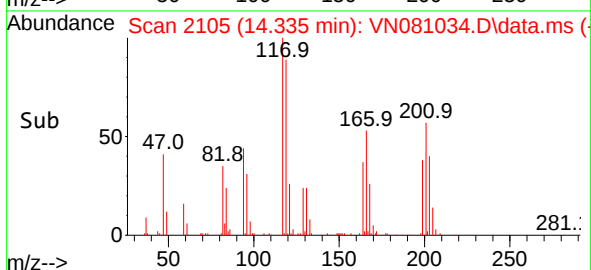
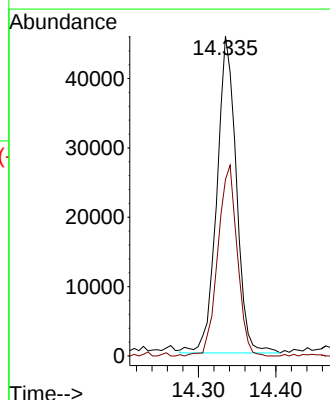
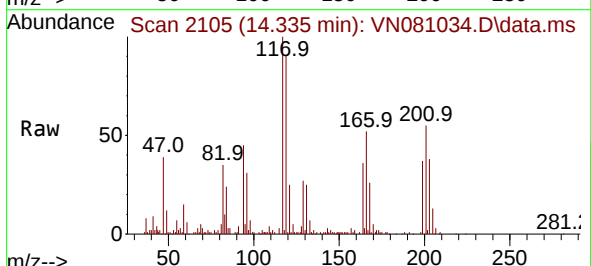
Acq: 14 Feb 2024 18:55

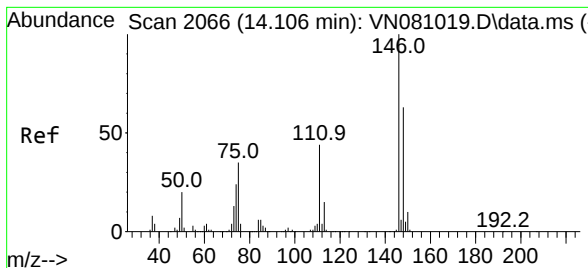
Tgt Ion:117 Resp: 79955

Ion Ratio Lower Upper

117 100

201 60.1 30.0 90.0





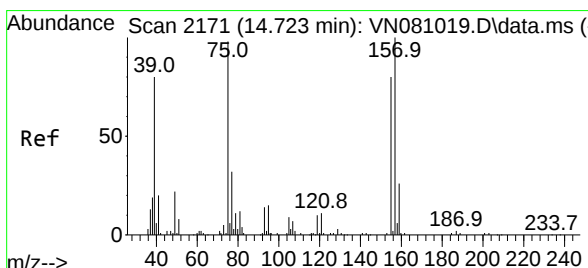
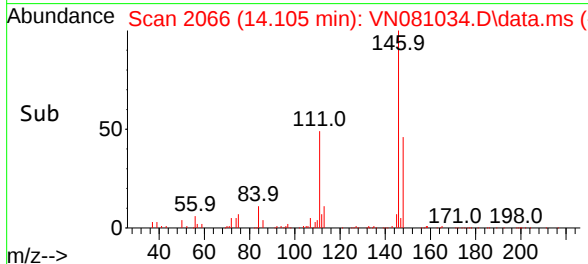
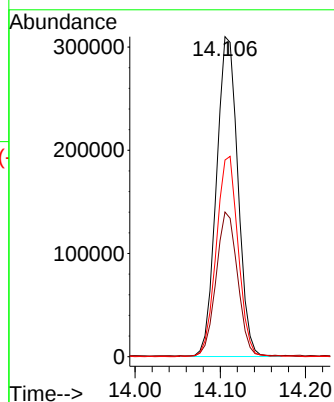
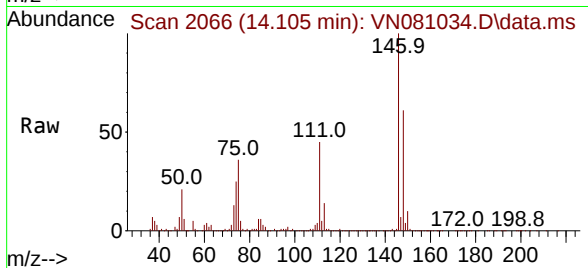
#91
1,2-Dichlorobenzene
Concen: 46.706 ug/l
RT: 14.105 min Scan# 2066
Delta R.T. -0.001 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 542824
Ion Ratio Lower Upper
146 100
111 44.8 23.9 71.8
148 63.8 31.4 94.0

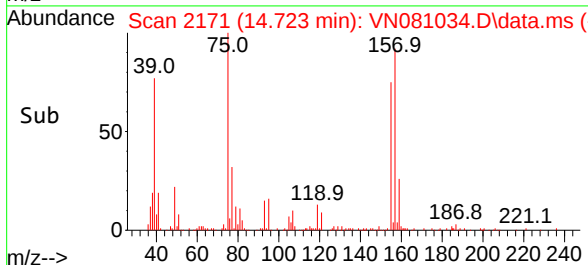
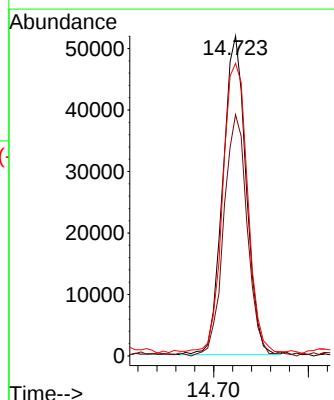
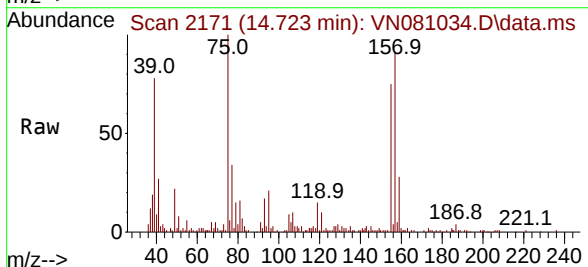
Manual Integrations
APPROVED

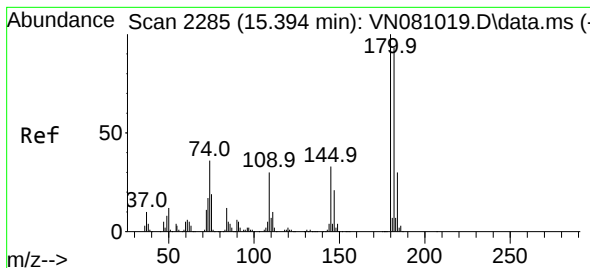
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.930 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

Tgt Ion: 75 Resp: 88479
Ion Ratio Lower Upper
75 100
155 76.5 31.8 95.4
157 98.2 41.1 123.4





#93

1,2,4-Trichlorobenzene

Concen: 45.152 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 31438

Ion Ratio Lower Upper

180 100

182 97.1 46.6 139.7

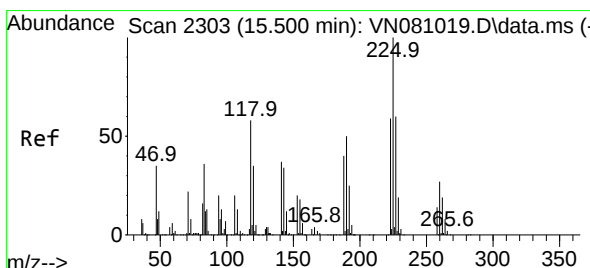
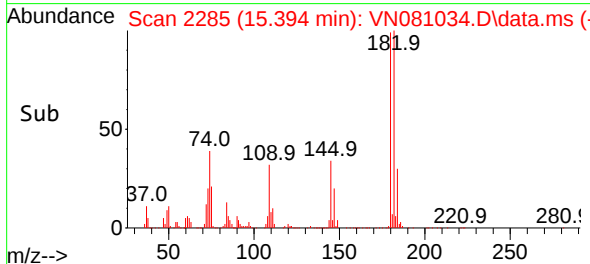
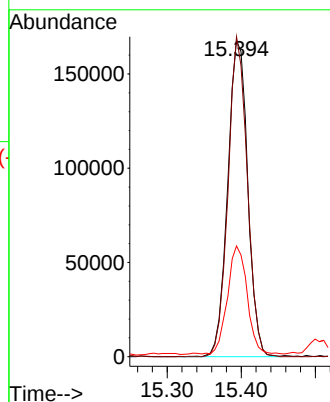
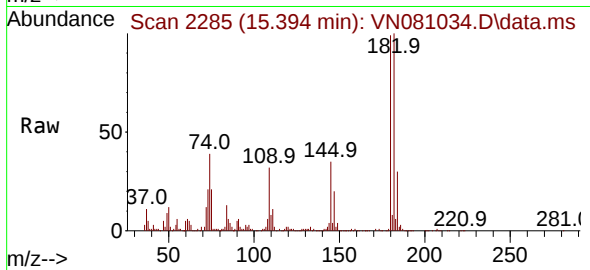
145 33.5 16.8 50.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#94

Hexachlorobutadiene

Concen: 43.602 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. 0.005 min

Lab File: VN081034.D

Acq: 14 Feb 2024 18:55

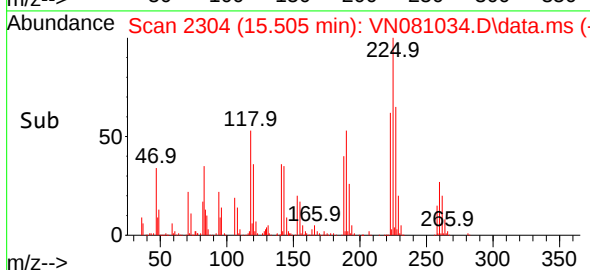
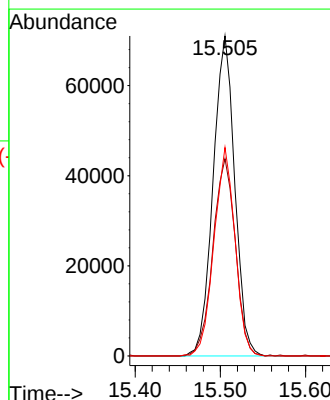
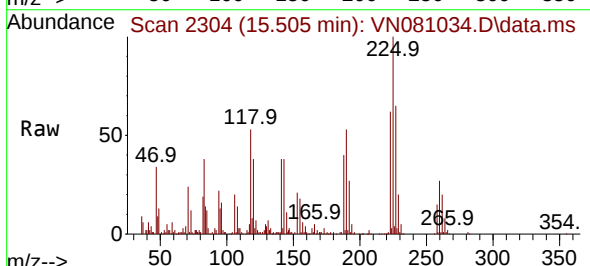
Tgt Ion:225 Resp: 125562

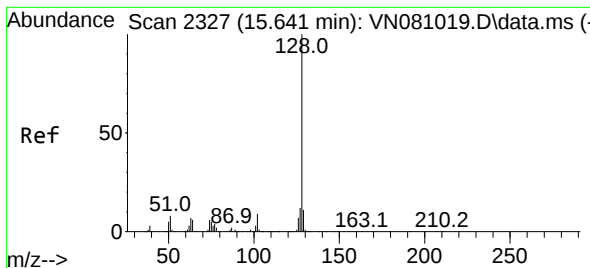
Ion Ratio Lower Upper

225 100

223 63.9 33.3 99.8

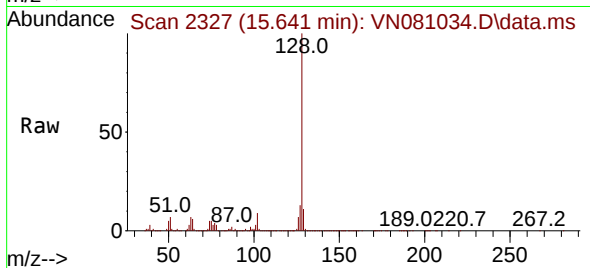
227 63.1 33.1 99.2





#95
Naphthalene
Concen: 46.811 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55

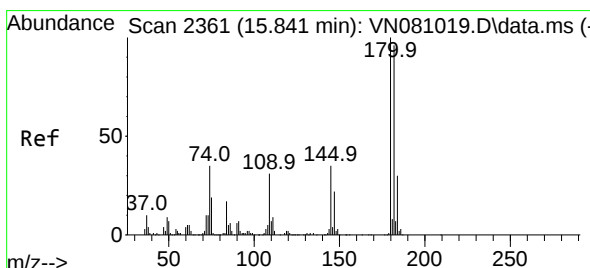
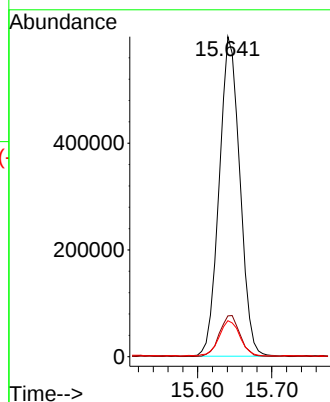
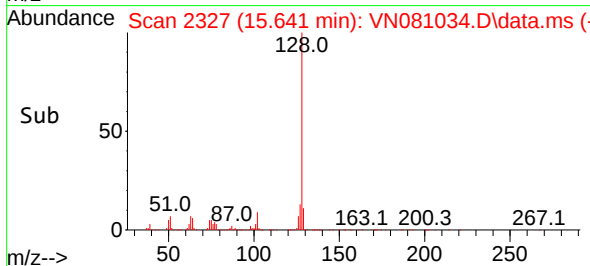
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



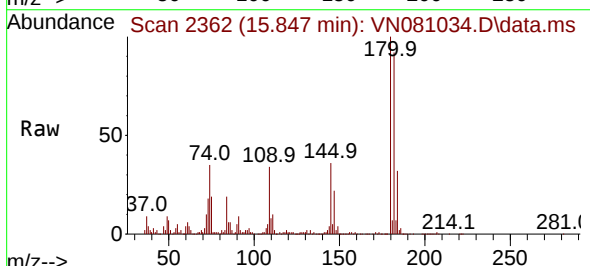
Tgt Ion:128 Resp: 1159549
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 11.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#96
1,2,3-Trichlorobenzene
Concen: 46.182 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN081034.D
Acq: 14 Feb 2024 18:55



Tgt Ion:180 Resp: 315112
Ion Ratio Lower Upper
180 100
182 94.7 46.5 139.3
145 36.5 17.8 53.4

