

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082024.D
 Acq On : 08 May 2024 09:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

Quant Time: May 09 01:00:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	32790	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193786	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	176192	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84168	30.659	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.200%			
60) 4-Bromofluorobenzene	12.847	95	84214	28.720	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.733%			
63) Toluene-d8	10.571	98	257255	30.745	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.467%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33037	17.750	ug/l	90
3) Chloromethane	2.359	50	43130	19.981	ug/l	96
4) Vinyl Chloride	2.518	62	41667	20.434	ug/l	100
5) Bromomethane	2.959	94	19862	18.666	ug/l	93
6) Chloroethane	3.124	64	26293	22.770	ug/l	99
7) Trichlorofluoromethane	3.495	101	53907	18.066	ug/l	93
8) Diethyl Ether	3.959	74	28250	19.558	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.371	101	38156	18.653	ug/l	59
10) 1,1-Dichloroethene	4.348	96	35919	17.949	ug/l	95
11) Methyl Iodide	4.595	142	31059m	16.982	ug/l	
12) Methyl Acetate	5.030	43	55036	21.963	ug/l #	84
13) Acrolein	4.171	56	41466m	77.860	ug/l	
14) Acrylonitrile	5.718	53	117842	103.039	ug/l	99
15) Acetone	4.418	58	28880	112.691	ug/l	87
16) Carbon Disulfide	4.712	76	96451	17.396	ug/l #	92
17) Allyl chloride	5.024	41	71634	20.388	ug/l	85
18) Methylene Chloride	5.277	84	45388	19.933	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	38788m	18.620	ug/l	
20) Diisopropyl ether	6.665	45	161812	20.815	ug/l #	88
21) 1,1-Dichloroethane	6.565	63	86815	21.091	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	49270	19.409	ug/l	89
23) tert-Butyl Alcohol	5.512	59	44658m	94.798	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	139944	19.396	ug/l #	86
25) Chloroform	7.971	83	80806	20.405	ug/l	99
26) Cyclohexane	8.253	56	67602	18.992	ug/l #	85
29) 1,1-Dichloropropene	8.371	75	54862	19.016	ug/l	97
30) 2-Butanone	7.483	43	153086	102.940	ug/l	94
31) 2,2-Dichloropropane	7.494	77	70556	23.865	ug/l #	84
32) 1,1,1-Trichloroethane	8.165	97	64589	19.466	ug/l #	92
33) Carbon Tetrachloride	8.371	117	49501m	18.383	ug/l	
34) Benzene	8.606	78	184134	20.006	ug/l	99
35) Methacrylonitrile	7.777	41	34858	18.527	ug/l	93
36) 1,2-Dichloroethane	8.671	62	62976m	20.383	ug/l	
37) Trichloroethene	9.353	130	38218	16.953	ug/l #	77
38) Methylcyclohexane	9.600	83	66852	19.182	ug/l	97
39) 1,2-Dichloropropane	9.624	63	51245	21.699	ug/l	96
40) Dibromomethane	9.712	93	29839	19.668	ug/l	84
41) Bromodichloromethane	9.888	83	66562	20.527	ug/l	94
42) Vinyl Acetate	6.600	43	639614	101.049	ug/l	95

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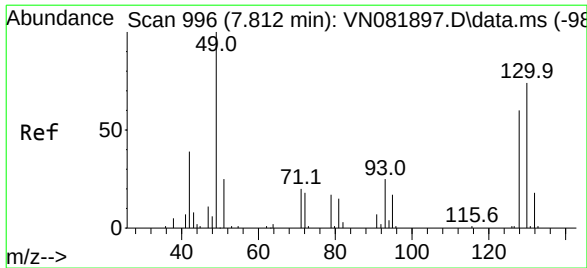
Manual Integrations
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 Supervised By : Mahesh Dadoda 05/09/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	57795	17.825	ug/l #	93
44) Isopropyl Acetate	8.688	43	115697	20.099	ug/l	89
45) 1,4-Dioxane	9.688	88	18402	398.618	ug/l #	95
46) Methyl methacrylate	9.682	41	51139	19.445	ug/l	82
47) n-amyl Acetate	12.494	43	103792	19.991	ug/l	90
48) t-1,3-Dichloropropene	10.841	75	68382	19.446	ug/l #	89
49) cis-1,3-Dichloropropene	10.312	75	76193	20.493	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	41086	19.961	ug/l #	87
51) Ethyl methacrylate	10.876	69	76289	19.638	ug/l	83
52) 1,3-Dichloropropane	11.165	76	78240	20.690	ug/l	98
53) Dibromochloromethane	11.359	129	42752	19.090	ug/l	99
54) 1,2-Dibromoethane	11.471	107	40987	19.967	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	206064	106.078	ug/l	95
56) Bromoform	12.582	173	23833	17.486	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	344838m	100.797	ug/l	
59) 2-Hexanone	11.194	43	254086	100.169	ug/l #	88
61) Tetrachloroethene	11.106	164	33285	17.025	ug/l	93
62) Toluene	10.629	91	185432	18.705	ug/l	97
64) Chlorobenzene	11.894	112	116945	19.287	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	38139	19.217	ug/l	95
66) Ethyl Benzene	11.965	91	205294	18.892	ug/l	100
67) m/p-Xylenes	12.071	106	157032	38.976	ug/l	97
68) o-Xylene	12.400	106	74159	18.604	ug/l	99
69) Styrene	12.412	104	128194	19.158	ug/l	99
70) Isopropylbenzene	12.694	105	189794	18.747	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	58777	20.175	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	52565m	19.299	ug/l	
73) Bromobenzene	12.976	156	39745	18.340	ug/l	76
74) n-propylbenzene	13.035	91	233634	19.561	ug/l	98
75) 2-Chlorotoluene	13.129	91	144067	19.498	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	154015	18.795	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	23752	19.593	ug/l	86
78) 4-Chlorotoluene	13.223	91	135970	18.784	ug/l	98
79) tert-butylbenzene	13.441	119	129781	18.394	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	152867	18.572	ug/l	97
81) sec-Butylbenzene	13.617	105	190103	19.222	ug/l	98
82) p-Isopropyltoluene	13.729	119	147665	18.882	ug/l	96
83) 1,3-Dichlorobenzene	13.735	146	73499	18.836	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	72926	18.594	ug/l	97
85) n-Butylbenzene	14.059	91	141614	19.824	ug/l	97
86) Hexachloroethane	14.335	117	28949	18.565	ug/l	74
87) 1,2-Dichlorobenzene	14.106	146	74351	19.131	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11584	17.719	ug/l	88
89) 1,2,4-Trichlorobenzene	15.841	180	36556	17.082	ug/l	100
90) Hexachlorobutadiene	15.500	225	11938	15.062	ug/l	98
91) Naphthalene	15.641	128	141494	17.393	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	36556	17.082	ug/l	100

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



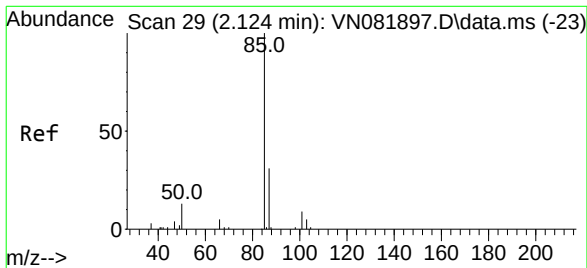
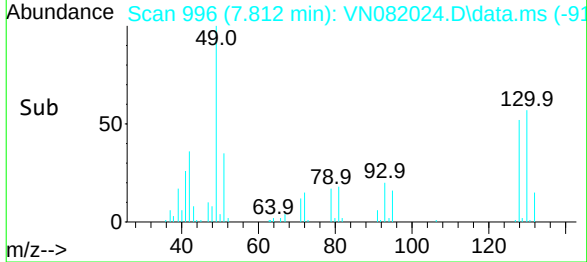
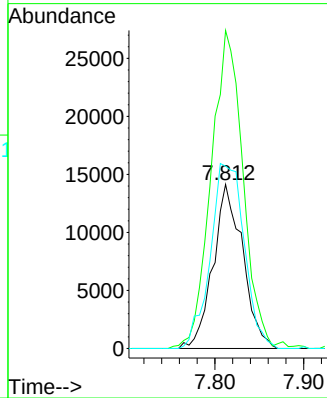
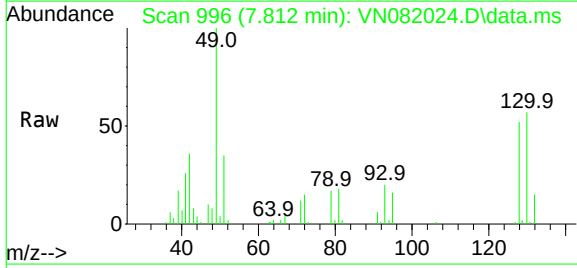
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 32796
Ion Ratio Lower Upper
128 100
49 207.7 0.0 403.7
130 83.1 0.0 323.3

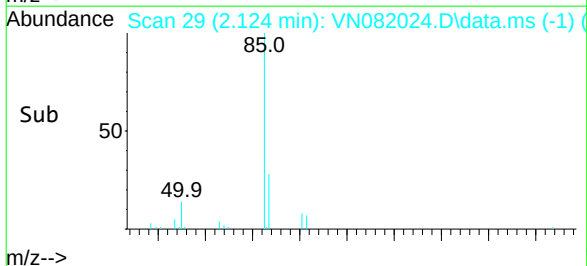
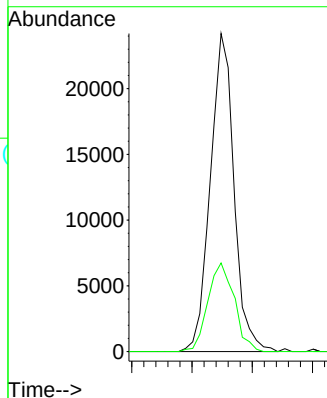
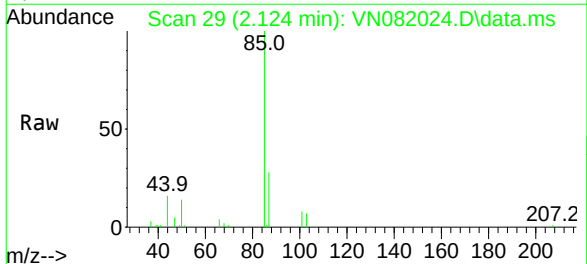
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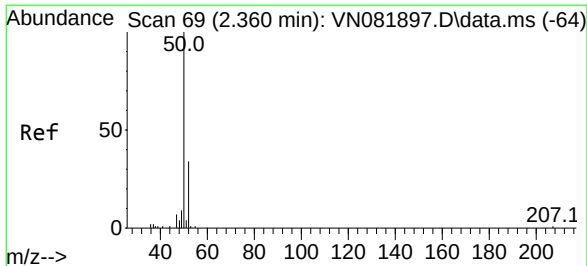
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#2
Dichlorodifluoromethane
Concen: 17.750 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 85 Resp: 33037
Ion Ratio Lower Upper
85 100
87 27.9 16.8 50.3





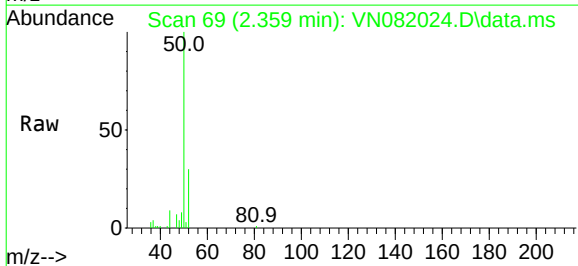
#3
Chloromethane
Concen: 19.981 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

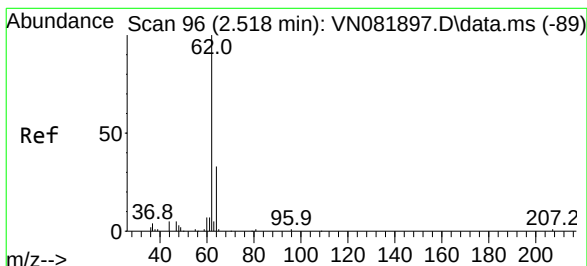
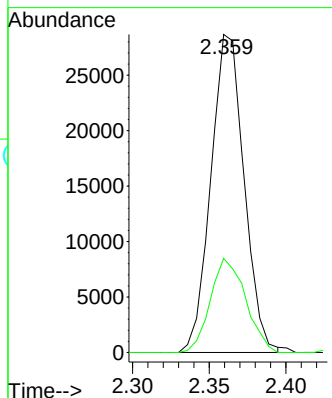
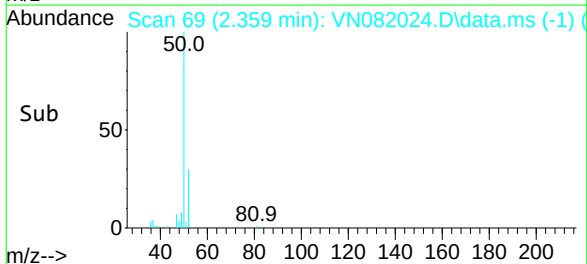
VSTDCCC020



Tgt Ion: 50 Resp: 43130
Ion Ratio Lower Upper
50 100
52 29.6 25.4 38.0

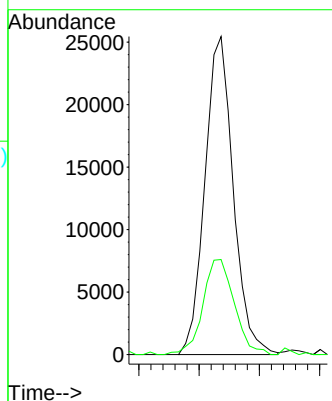
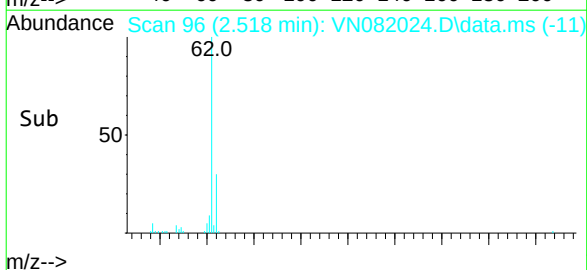
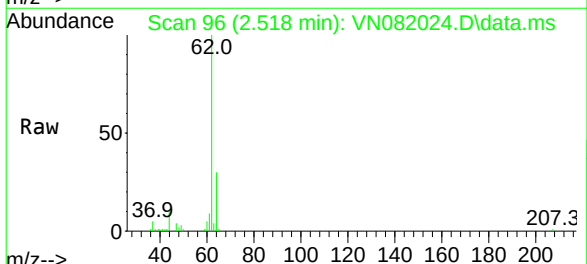
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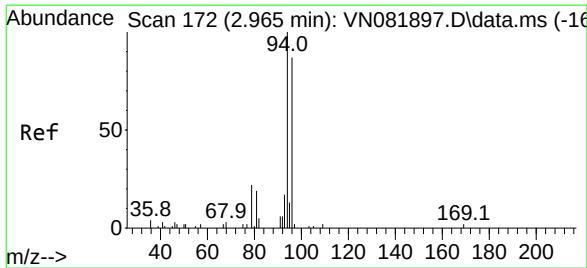
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#4
Vinyl Chloride
Concen: 20.434 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 62 Resp: 41667
Ion Ratio Lower Upper
62 100
64 29.9 24.1 36.1





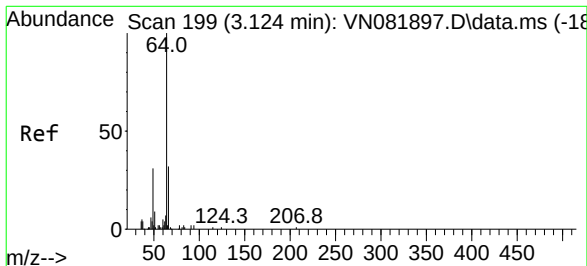
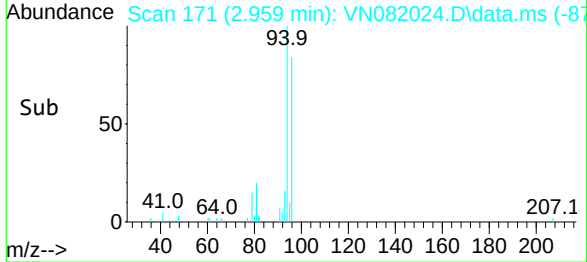
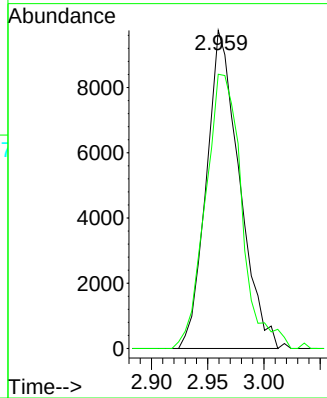
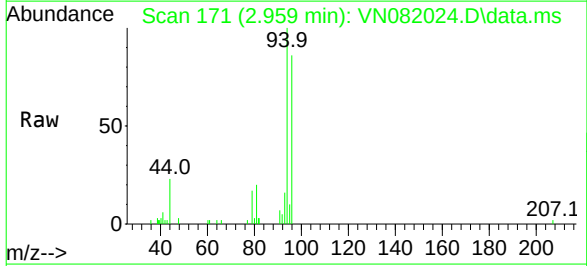
#5
Bromomethane
Concen: 18.666 ug/l
RT: 2.959 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 19862
Ion Ratio Lower Upper
94 100
96 84.2 72.8 109.2

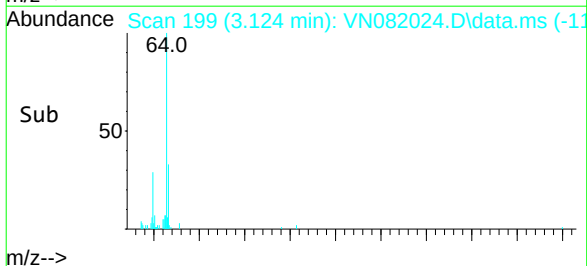
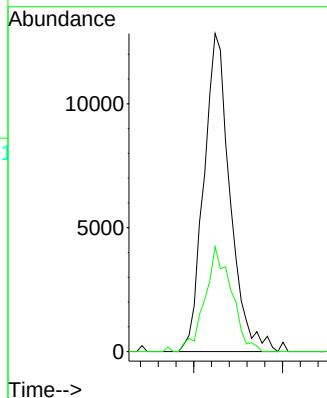
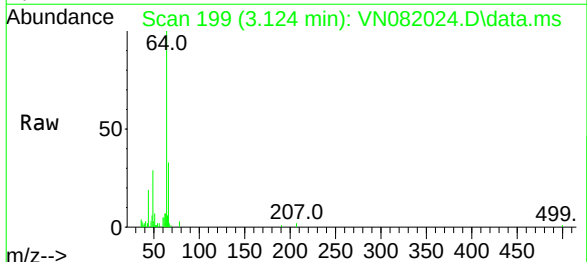
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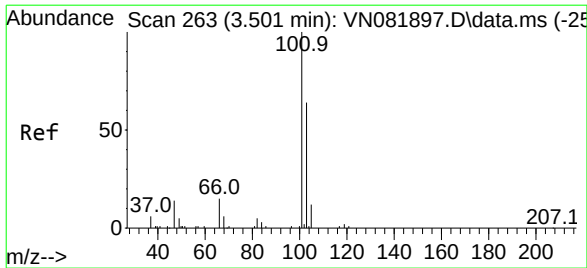
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#6
Chloroethane
Concen: 22.770 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 64 Resp: 26293
Ion Ratio Lower Upper
64 100
66 33.0 26.7 40.1





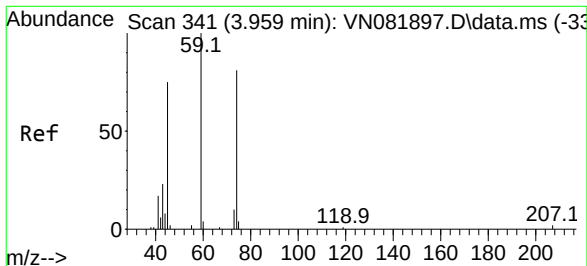
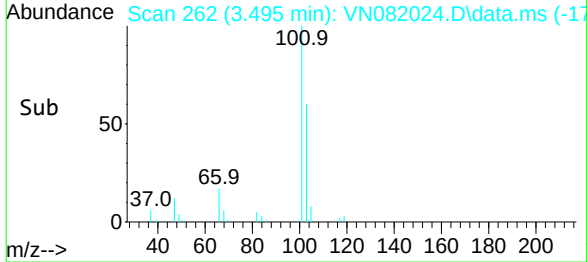
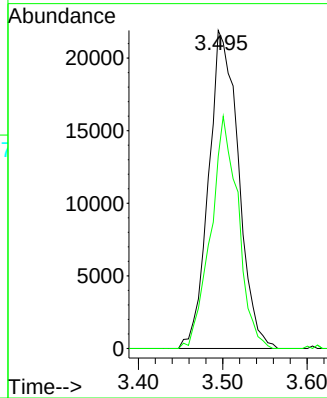
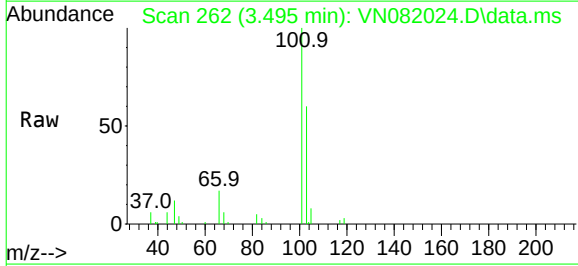
#7
Trichlorofluoromethane
Concen: 18.066 ug/l
RT: 3.495 min Scan# 263
Delta R.T. -0.006 min
Lab File: VN082024.D
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Tgt Ion: 101 Resp: 53907
Ion Ratio Lower Upper
101 100
103 60.4 53.0 79.4

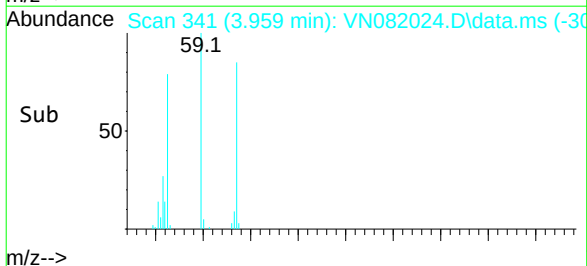
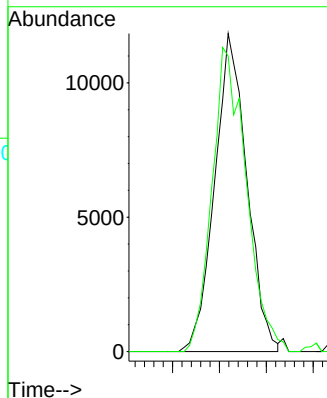
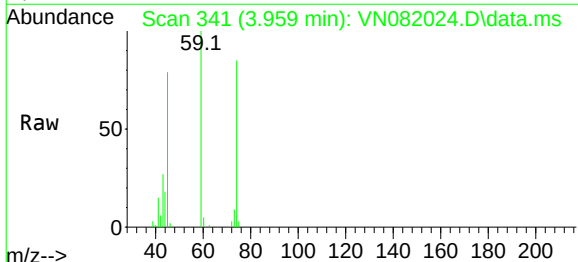
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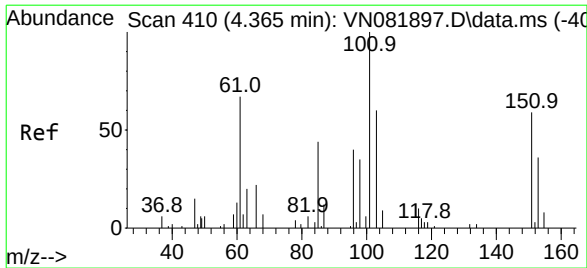
Reviewed By : John Carlone 05/09/2024
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#8
Diethyl Ether
Concen: 19.558 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

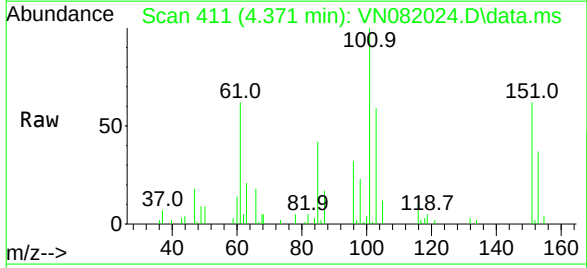
Tgt Ion: 74 Resp: 28250
Ion Ratio Lower Upper
74 100
45 101.2 16.4 147.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.653 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

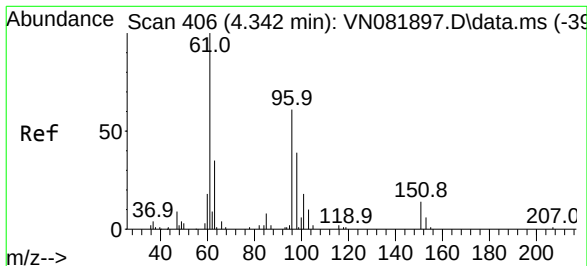
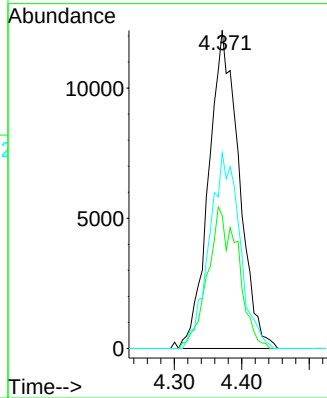
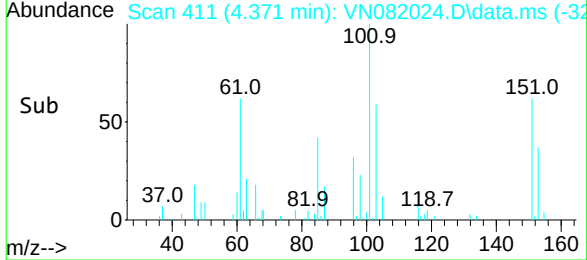
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MSVOA_N
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VSTDCCC020



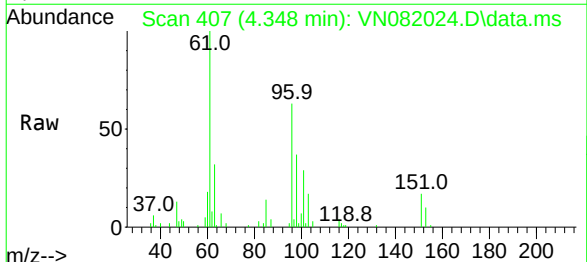
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Ion Ratio Lower Upper
101 100
85 27.0 0.0 90.6
151 36.3 0.0 157.6

Manual Integrations
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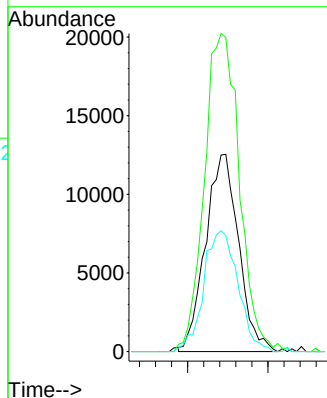
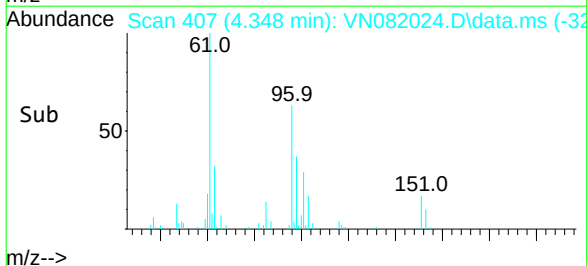
Reviewed By : John Carlone 05/09/2024
Supervised By : Mahesh Dadoda 05/09/2024

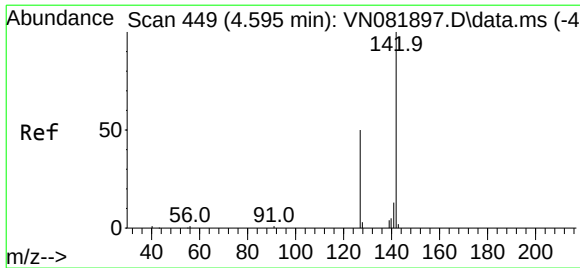


#10
1,1-Dichloroethene
Concen: 17.949 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33



Tgt Ion: 96 Resp: 35919
Ion Ratio Lower Upper
96 100
61 155.5 117.6 176.4
98 58.9 48.4 72.6





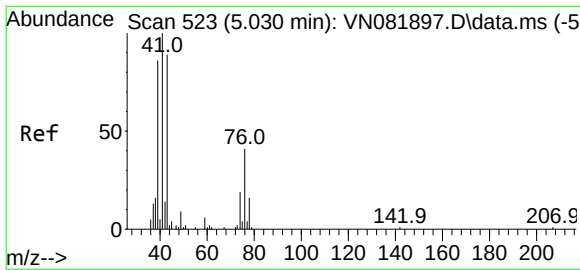
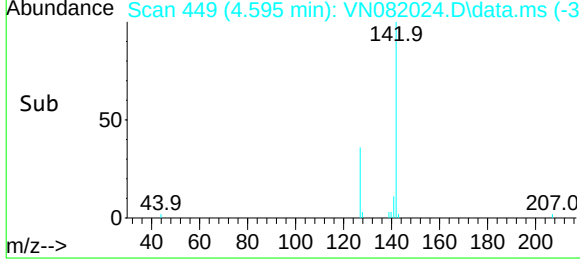
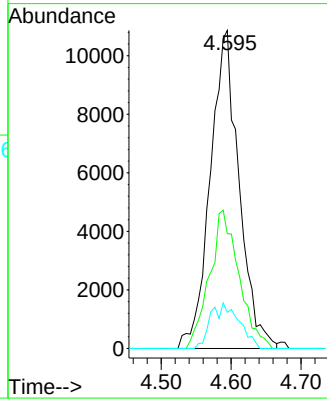
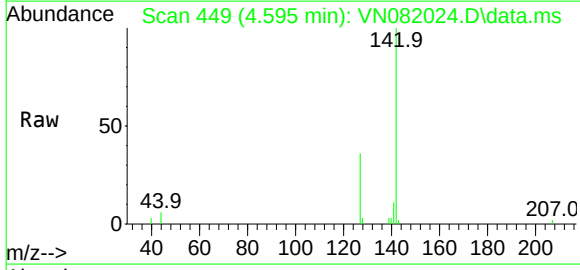
#11
Methyl Iodide
Concen: 16.982 ug/l m
RT: 4.595 min Scan# 44
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	142	Resp:	31059
Ion Ratio	Lower	Upper	
142	100		
127	36.1	26.3	78.9
141	11.4	8.3	24.9

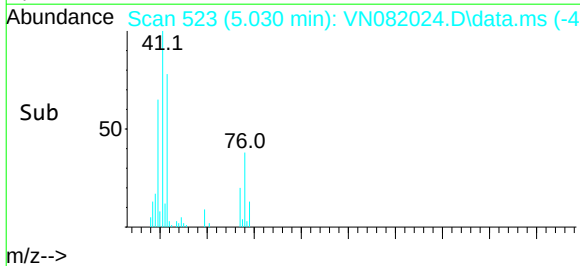
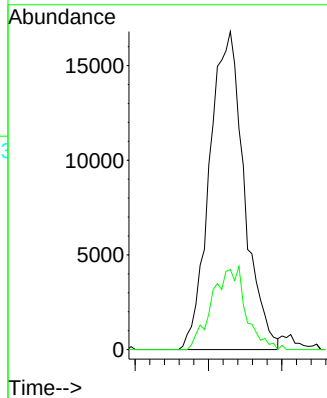
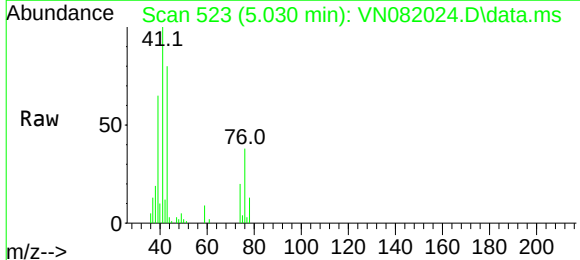
Manual Integrations
APPROVED

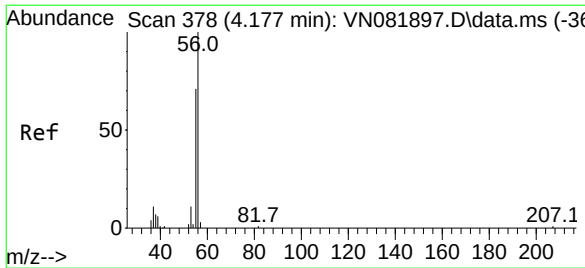
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#12
Methyl Acetate
Concen: 21.963 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:	43	Resp:	55036
Ion Ratio	Lower	Upper	
43	100		
74	25.6	27.7	41.5#





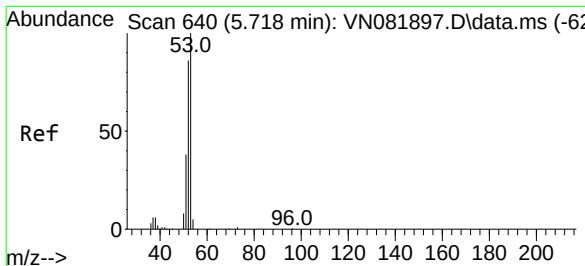
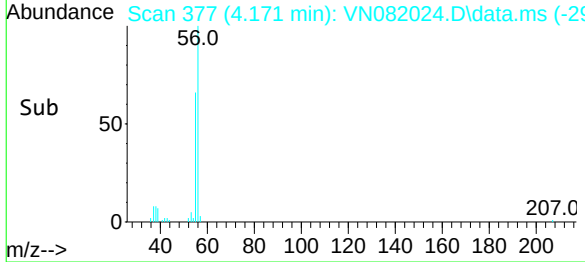
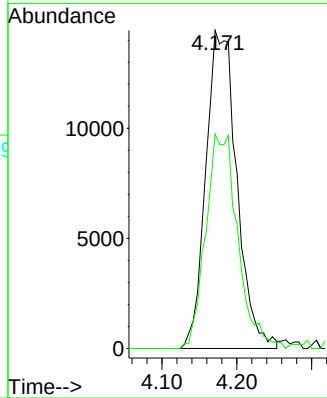
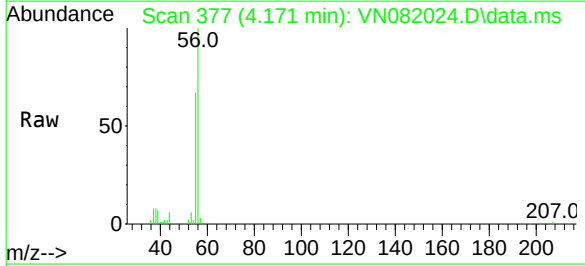
#13
Acrolein
Concen: 77.860 ug/l m
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 41466
Ion Ratio Lower Upper
56 100
55 41.8 55.5 83.3#

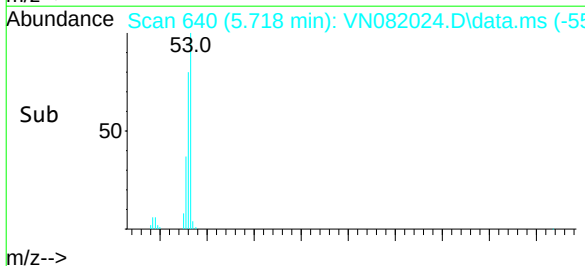
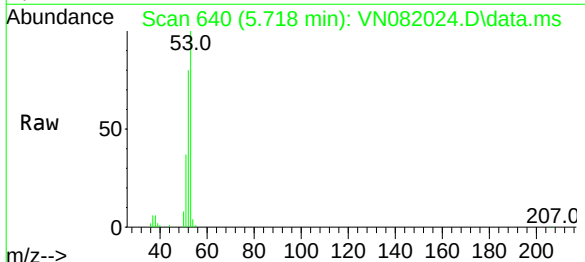
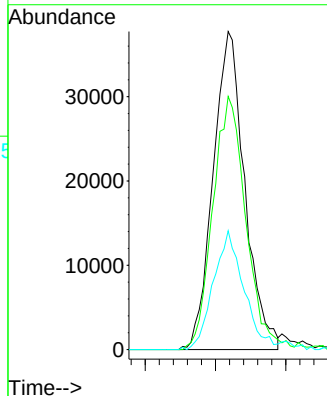
Manual Integrations
APPROVED

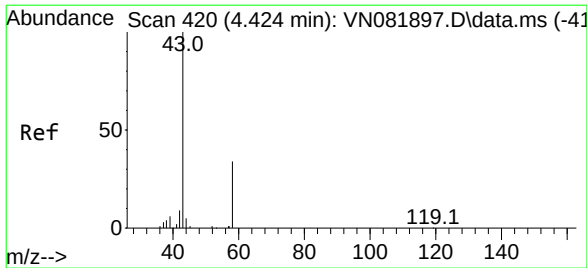
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#14
Acrylonitrile
Concen: 103.039 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 53 Resp: 117842
Ion Ratio Lower Upper
53 100
52 82.4 41.3 123.9
51 35.0 16.8 50.3





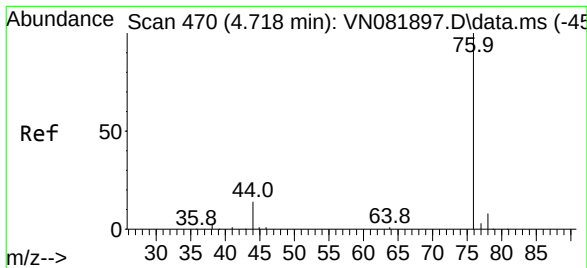
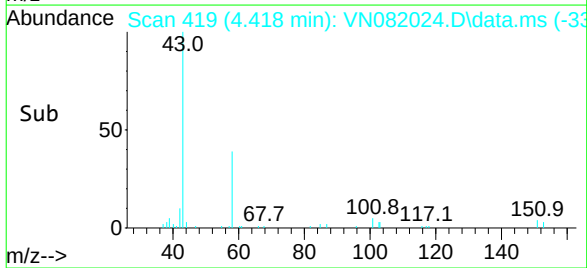
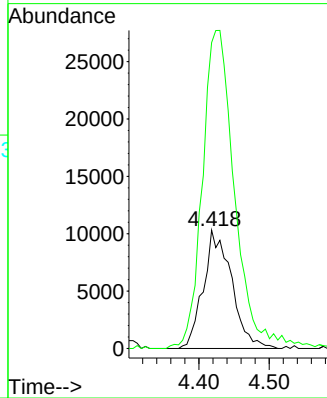
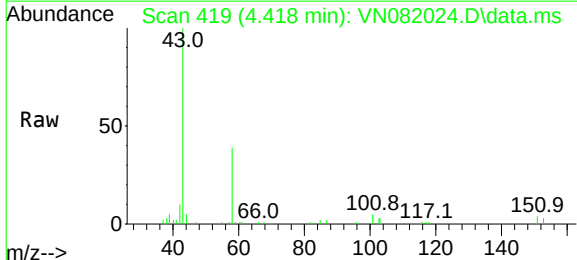
#15
Acetone
Concen: 112.691 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 28880
Ion Ratio Lower Upper
58 100
43 255.4 223.1 334.7

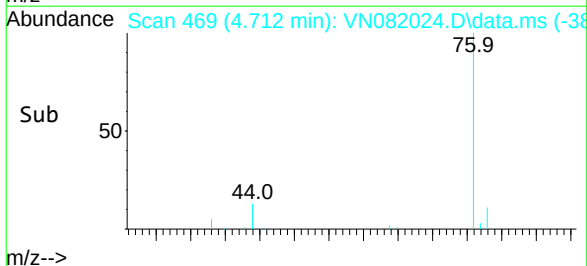
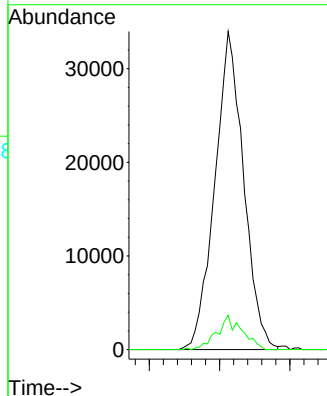
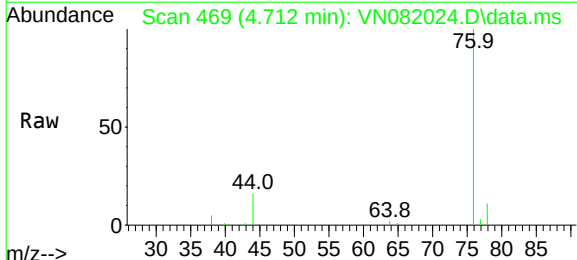
Manual Integrations
APPROVED

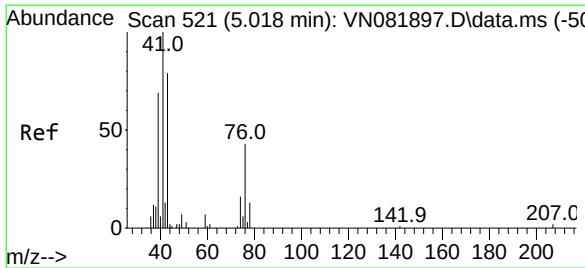
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#16
Carbon Disulfide
Concen: 17.396 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

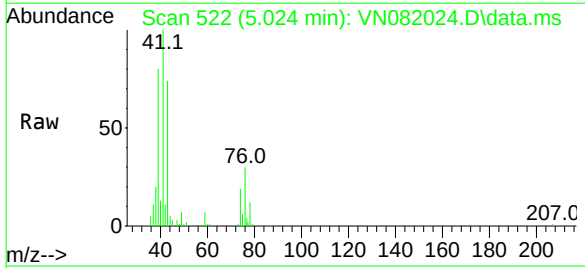
Tgt Ion: 76 Resp: 96451
Ion Ratio Lower Upper
76 100
78 10.8 6.3 9.5#





#17
Allyl chloride
Concen: 20.388 ug/l
RT: 5.024 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

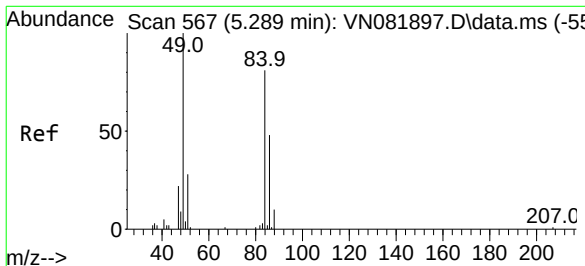
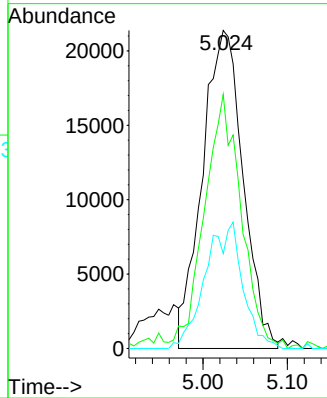
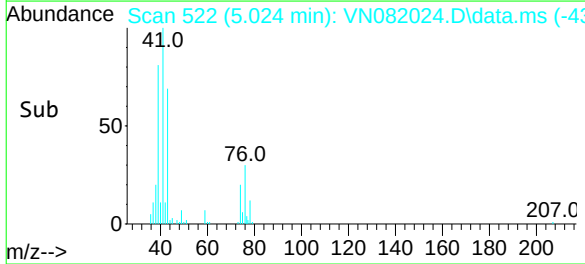
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



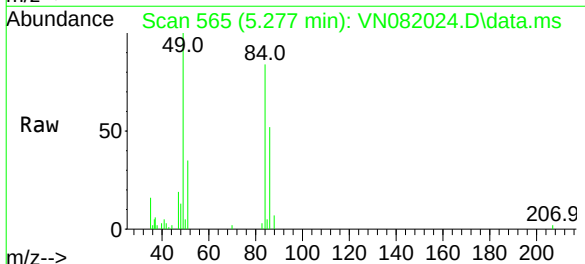
Tgt Ion: 41 Resp: 71634
Ion Ratio Lower Upper
41 100
39 78.5 37.6 112.9
76 33.2 27.8 83.4

Manual Integrations
APPROVED

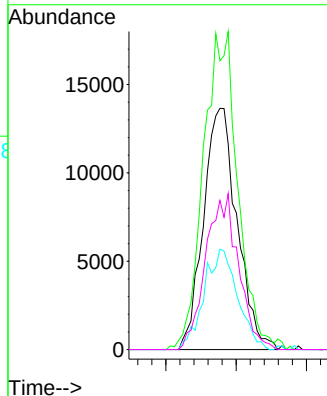
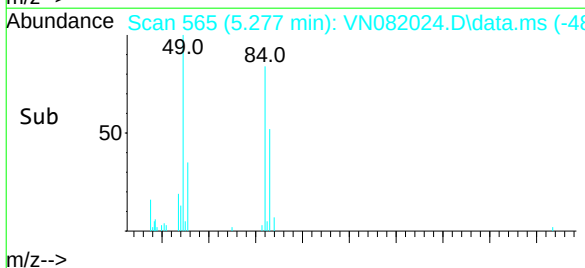
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

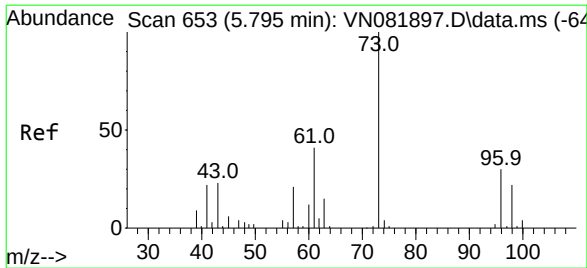


#18
Methylene Chloride
Concen: 19.933 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.012 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33



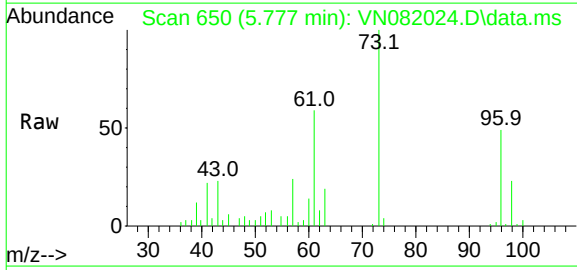
Tgt Ion: 84 Resp: 45388
Ion Ratio Lower Upper
84 100
49 116.0 86.0 129.0
51 41.6 30.0 45.0
86 61.8 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 18.620 ug/l m
RT: 5.777 min Scan# 653
Delta R.T. -0.018 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

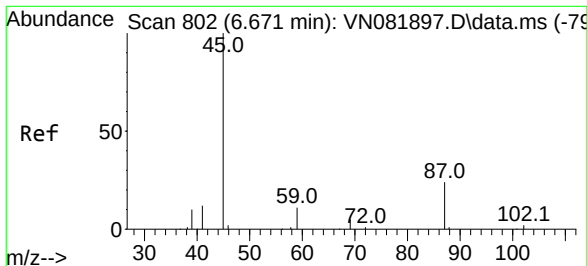
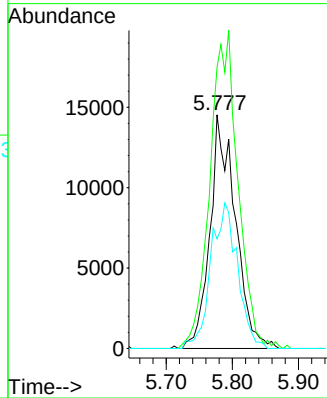
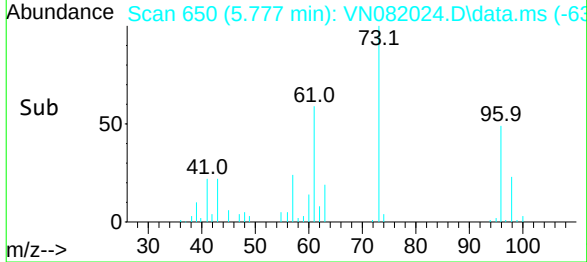
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 38788
Ion Ratio Lower Upper
96 100
61 120.3 111.8 167.6
98 46.9 49.2 73.8#

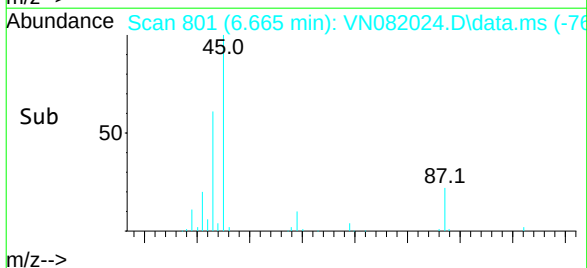
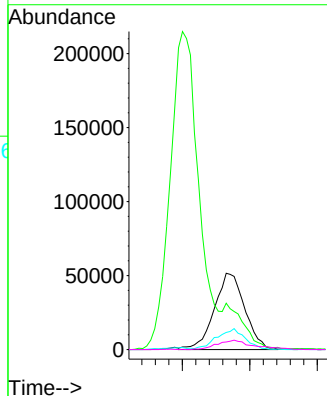
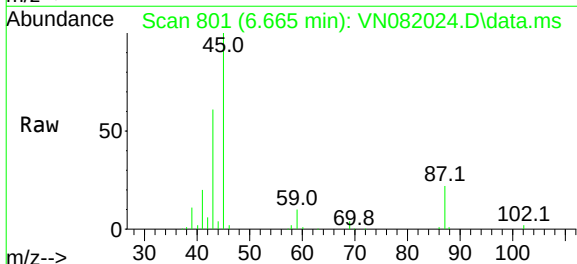
Manual Integrations
APPROVED

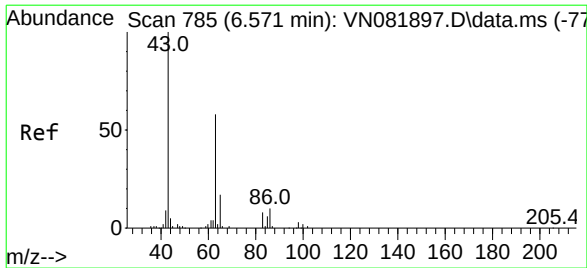
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#20
Diisopropyl ether
Concen: 20.815 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 45 Resp: 161812
Ion Ratio Lower Upper
45 100
43 58.2 40.4 60.6
87 21.9 23.8 35.8#
59 10.0 9.8 14.6





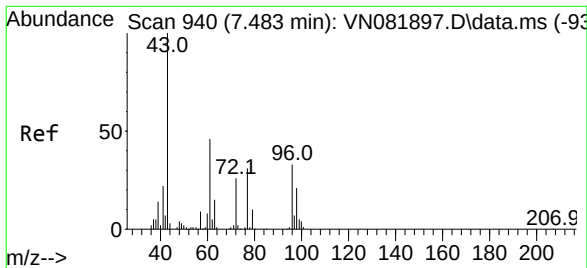
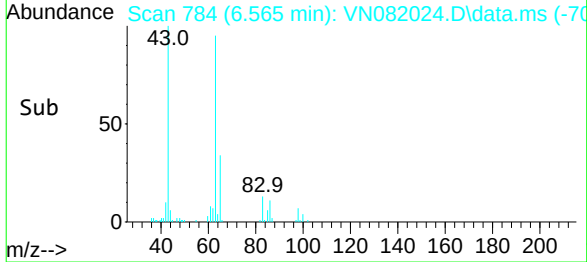
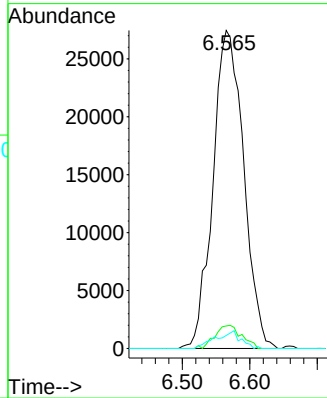
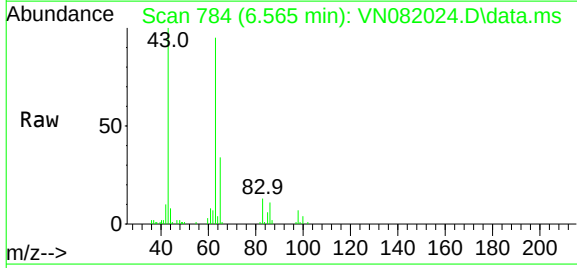
#21
1,1-Dichloroethane
Concen: 21.091 ug/l
RT: 6.565 min Scan# 785
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	4.1	12.3
100	4.1	3.0	9.0

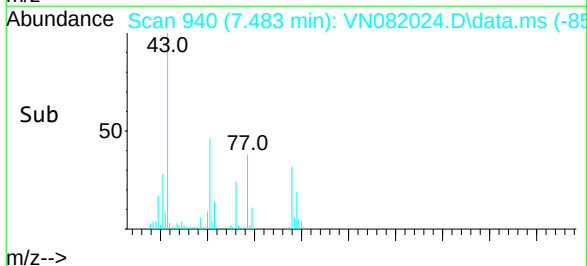
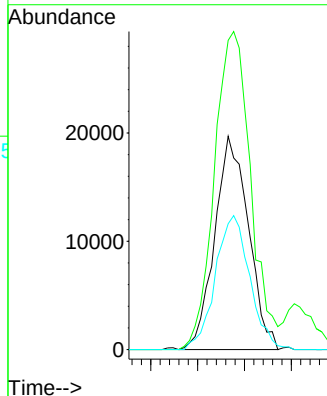
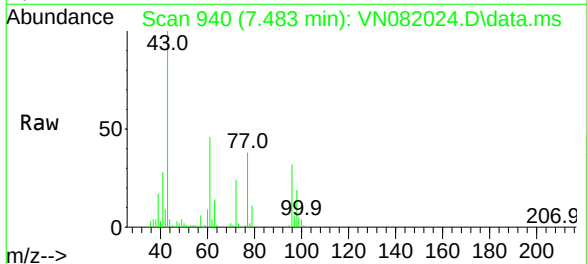
Manual Integrations
APPROVED

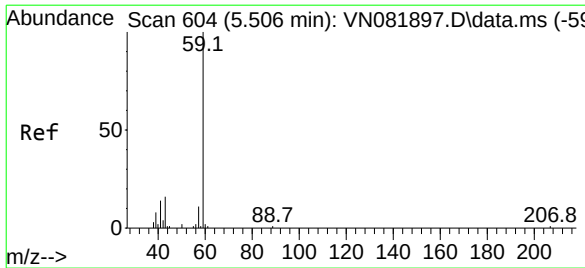
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#22
cis-1,2-Dichloroethene
Concen: 19.409 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

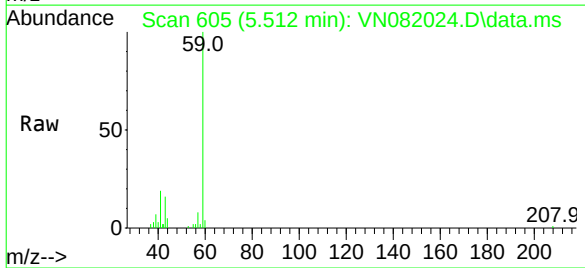
Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	113.5	170.3
98	64.1	52.0	78.0





#23
tert-Butyl Alcohol
Concen: 94.798 ug/l m
RT: 5.512 min Scan# 604
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

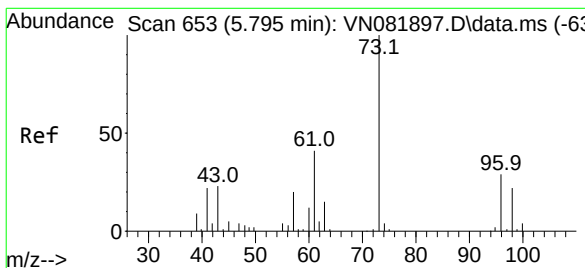
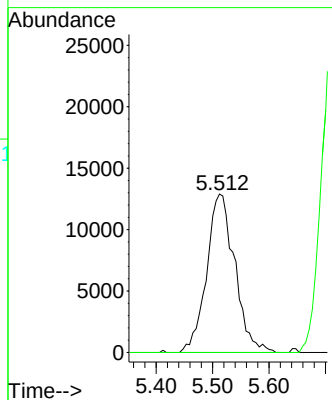
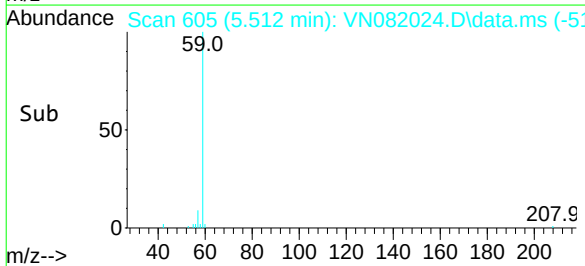
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 59 Resp: 44658
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

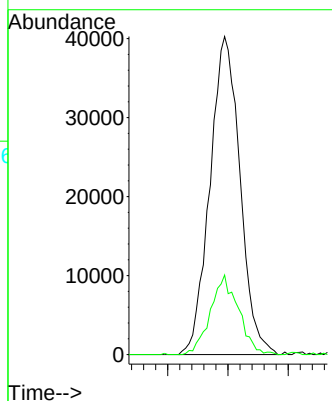
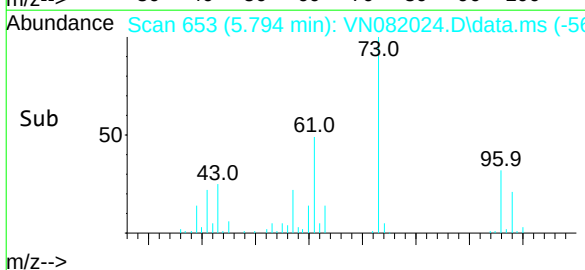
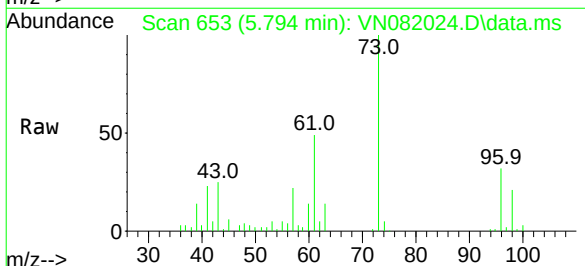
Manual Integrations
APPROVED

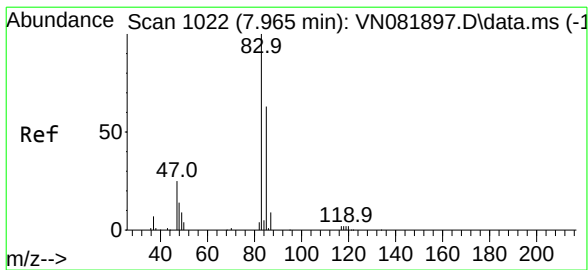
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#24
Methyl tert-Butyl Ether
Concen: 19.396 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 73 Resp: 139944
Ion Ratio Lower Upper
73 100
43 23.0 13.4 20.2





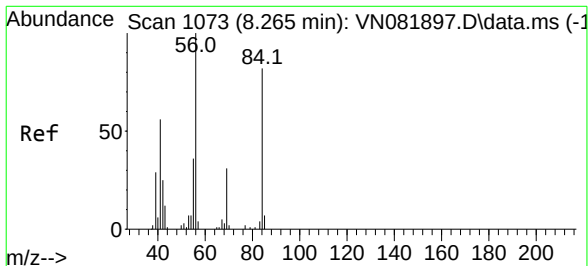
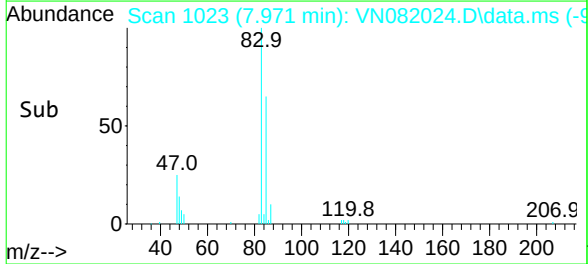
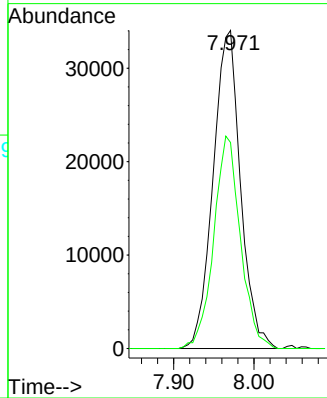
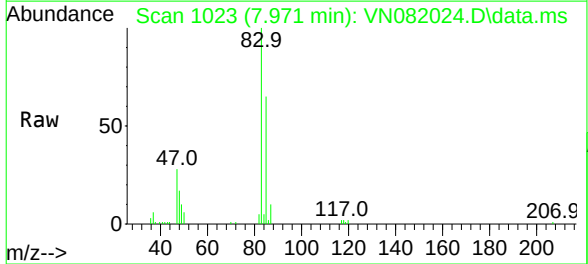
#25
Chloroform
Concen: 20.405 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 80806
Ion Ratio Lower Upper
83 100
85 64.8 50.9 76.3

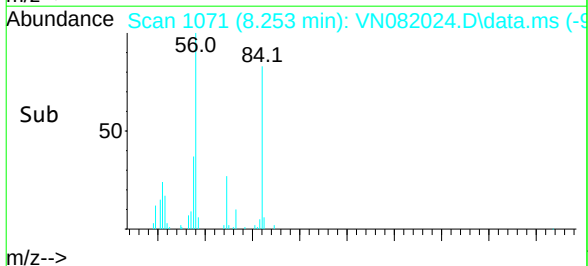
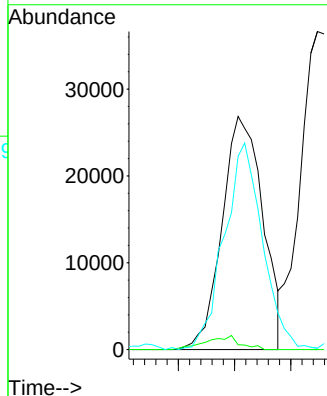
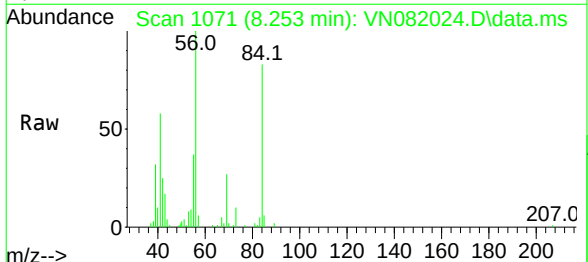
Manual Integrations
APPROVED

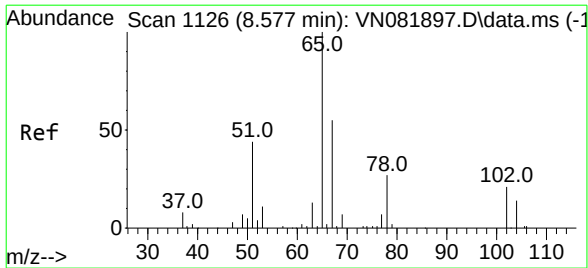
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#26
Cyclohexane
Concen: 18.992 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.012 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

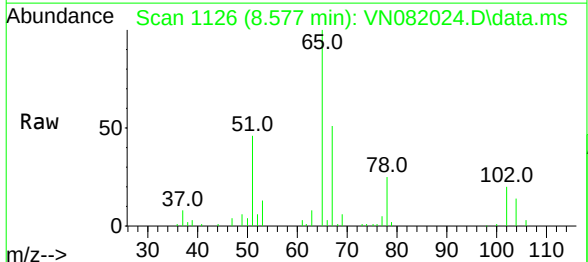
Tgt Ion: 56 Resp: 67602
Ion Ratio Lower Upper
56 100
89 1.8 19.3 28.9#
84 83.1 71.3 106.9





#27
1,2-Dichloroethane-d4
Concen: 30.659 ug/l
RT: 8.577 min Scan# 1116
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

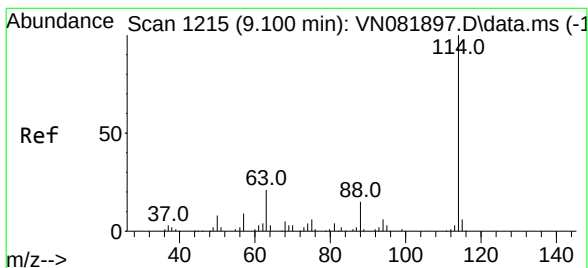
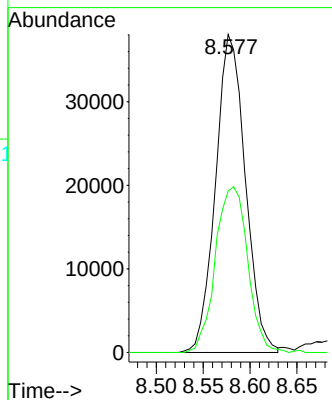
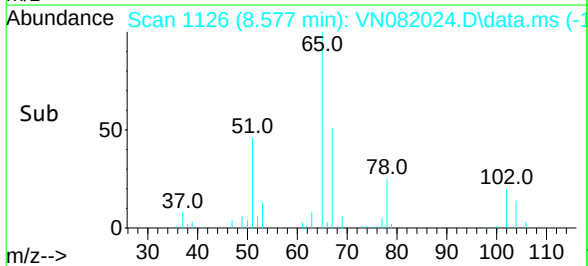
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 65 Resp: 84168
Ion Ratio Lower Upper
65 100
67 56.3 43.2 64.8

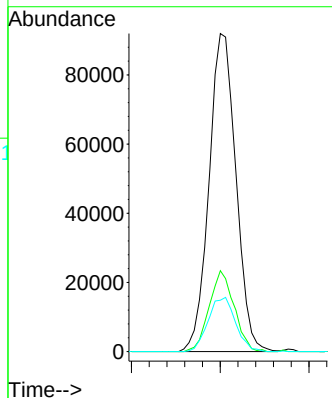
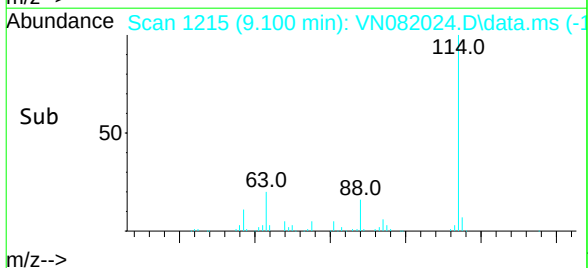
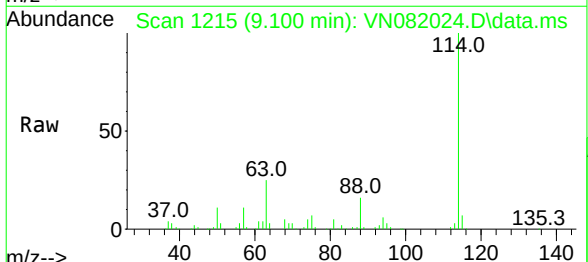
Manual Integrations
APPROVED

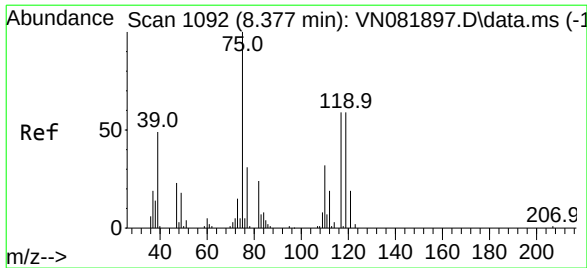
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:114 Resp: 193786
Ion Ratio Lower Upper
114 100
63 23.5 15.9 23.9
88 17.3 12.7 19.1





#29
1,1-Dichloropropene
Concen: 19.016 ug/l
RT: 8.371 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

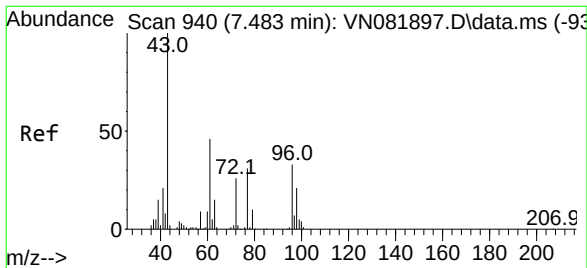
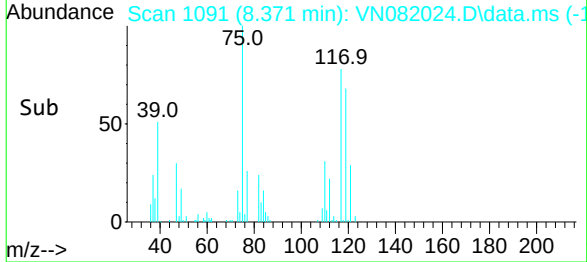
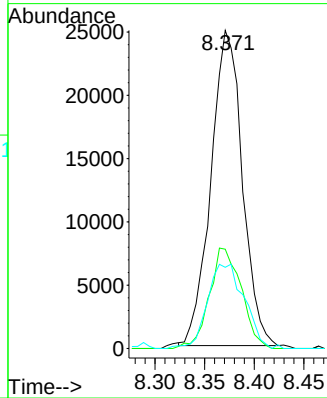
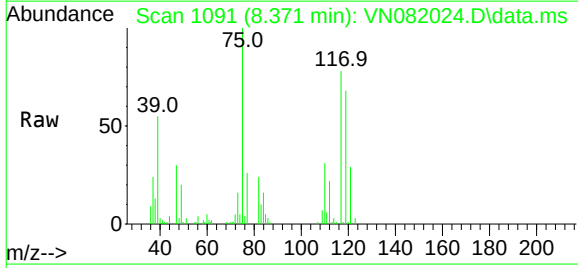
ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 54862
Ion Ratio Lower Upper
75 100
110 32.3 0.0 70.2
77 31.2 0.0 61.4

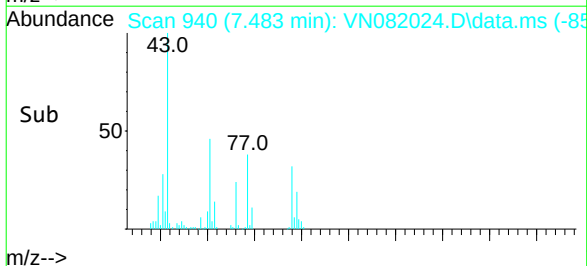
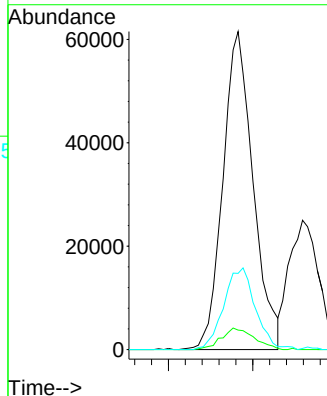
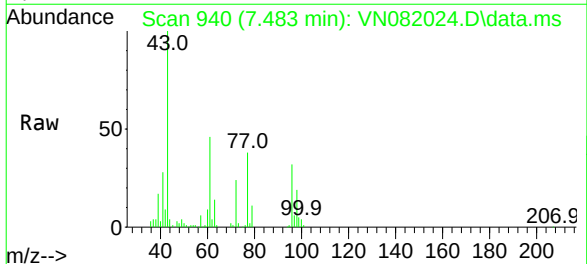
Manual Integrations
APPROVED

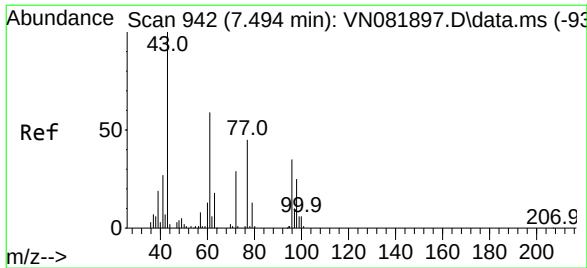
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#30
2-Butanone
Concen: 102.940 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 43 Resp: 153086
Ion Ratio Lower Upper
43 100
57 7.3 6.7 10.1
72 26.6 24.0 36.0





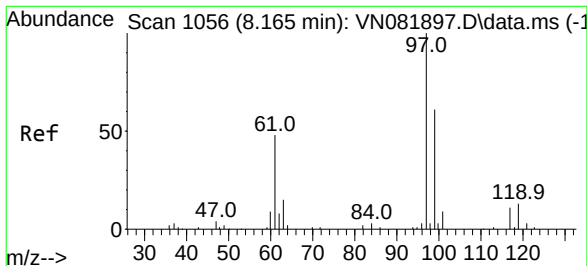
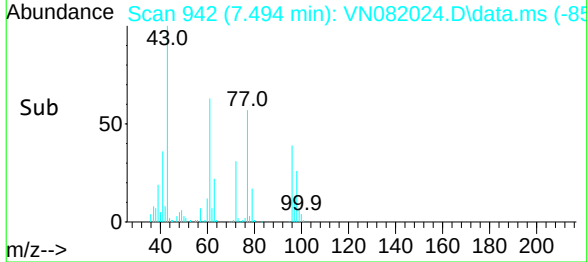
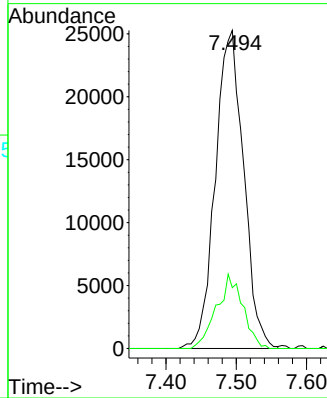
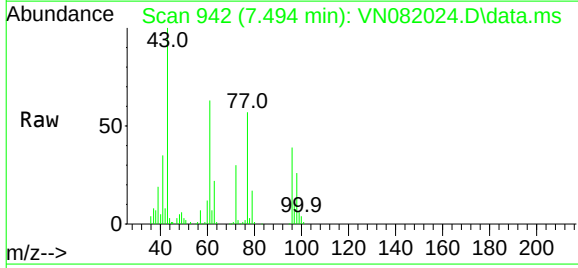
#31
2,2-Dichloropropane
Concen: 23.865 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 70556
Ion Ratio Lower Upper
77 100
97 15.3 18.3 27.5#

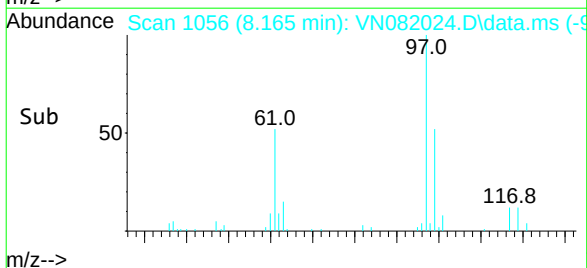
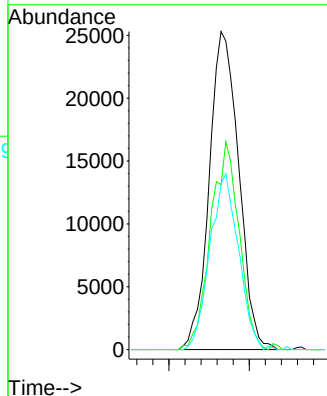
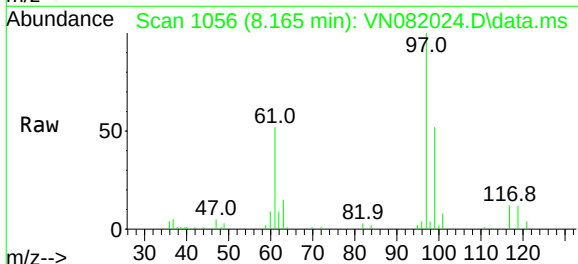
Manual Integrations
APPROVED

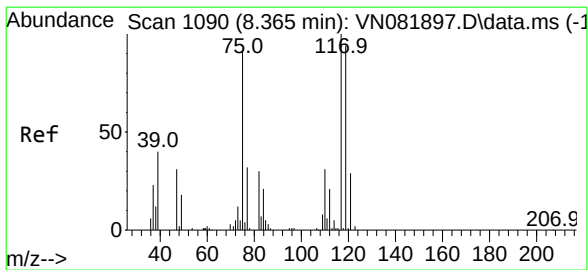
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#32
1,1,1-Trichloroethane
Concen: 19.466 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

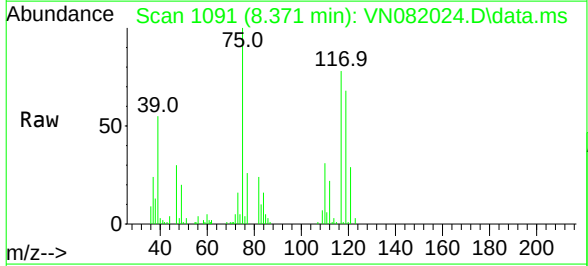
Tgt Ion: 97 Resp: 64589
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.4
61 53.4 33.8 50.8#





#33
Carbon Tetrachloride
Concen: 18.383 ug/l m
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

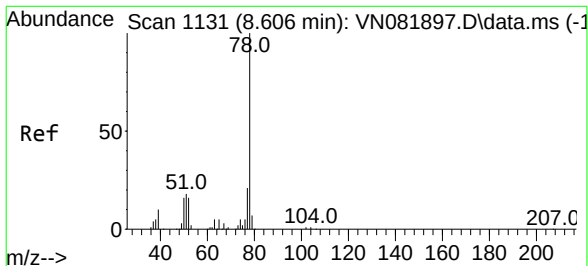
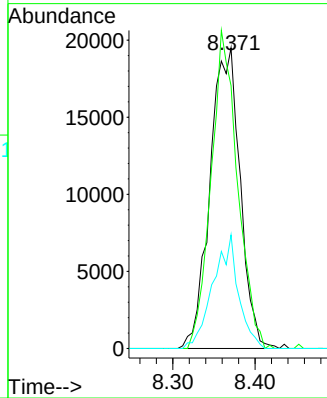
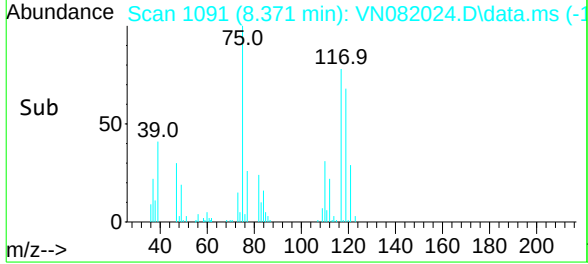
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



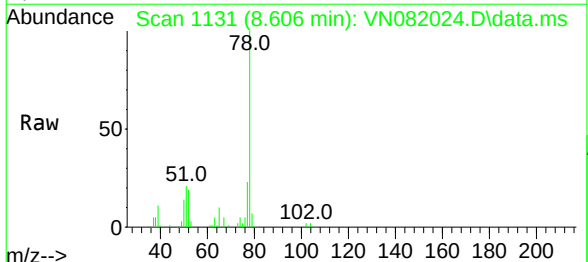
Tgt Ion: 117 Resp: 49501
Ion Ratio Lower Upper
117 100
119 87.4 77.7 116.5
121 37.8 27.0 40.6

Manual Integrations
APPROVED

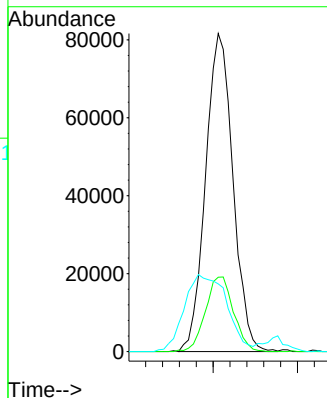
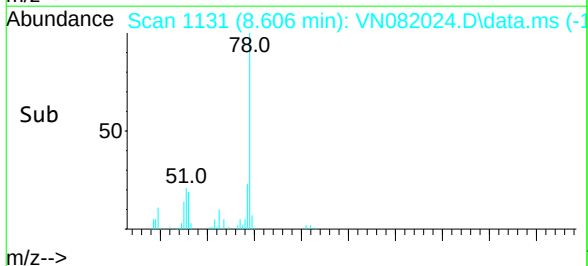
Reviewed By : John Carlone 05/09/2024
Supervised By : Mahesh Dadoda 05/09/2024

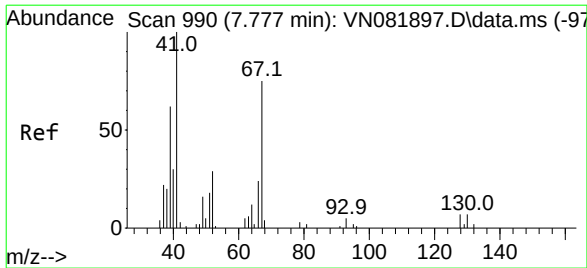


#34
Benzene
Concen: 20.006 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33



Tgt Ion: 78 Resp: 184134
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8
51 16.3 13.3 19.9





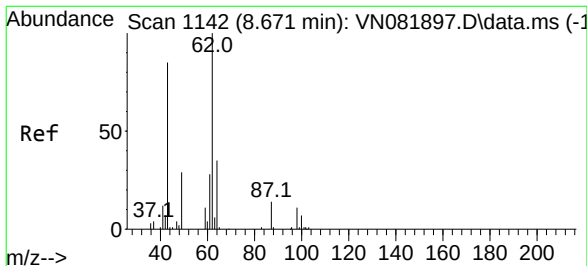
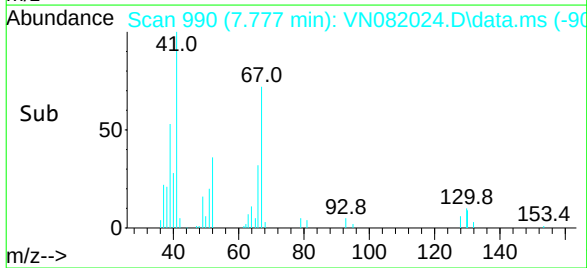
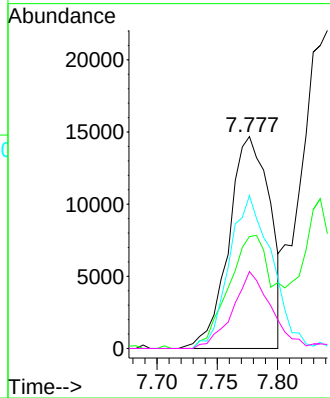
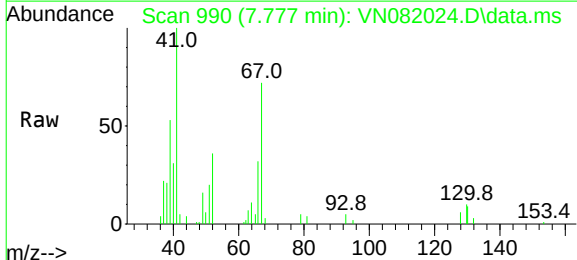
#35
Methacrylonitrile
Concen: 18.527 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	34858
Ion	Ratio	Lower	Upper
41	100		
39	52.8	25.3	75.9
67	72.1	38.7	116.1
52	36.3	13.6	40.8

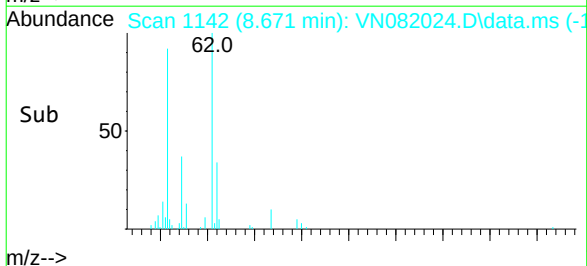
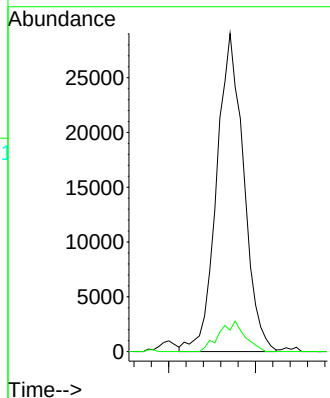
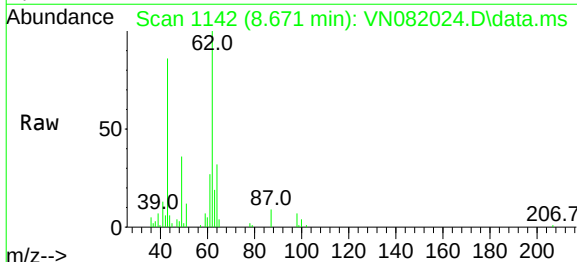
Manual Integrations
APPROVED

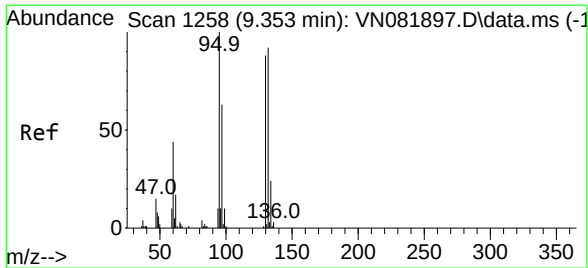
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#36
1,2-Dichloroethane
Concen: 20.383 ug/l m
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:	62	Resp:	62976
Ion	Ratio	Lower	Upper
62	100		
98	0.2	8.2	12.4#





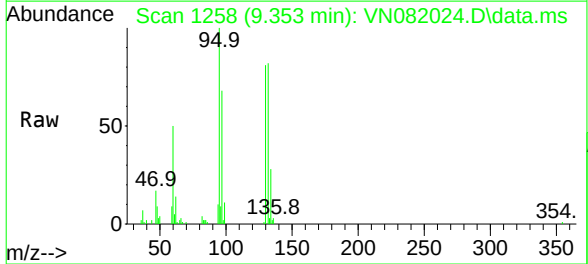
#37
 Trichloroethene
 Concen: 16.953 ug/l
 RT: 9.353 min Scan# 1258
 Delta R.T. -0.000 min
 Lab File: VN082024.D
 Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

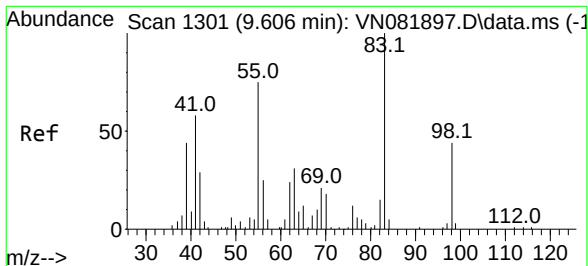
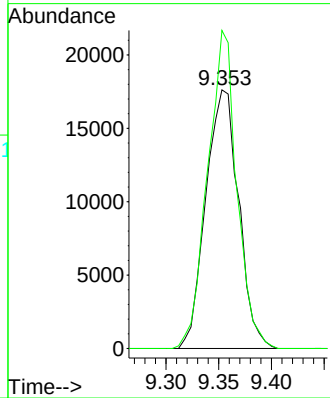
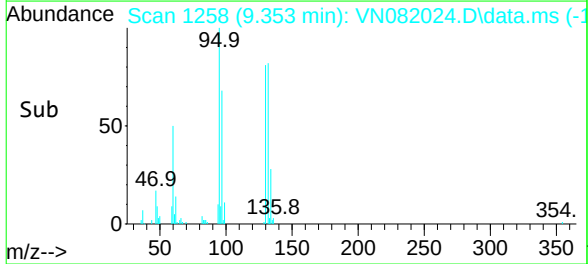
VSTDCCC020



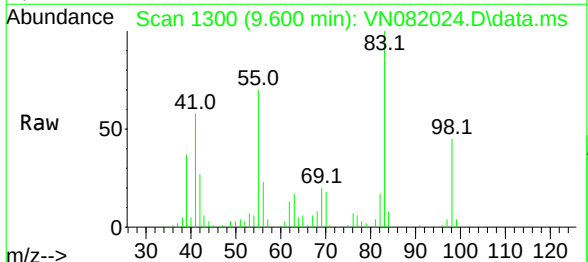
Tgt Ion:130 Resp: 38218
 Ion Ratio Lower Upper
 130 100
 95 123.0 80.2 120.4

Manual Integrations
 APPROVED

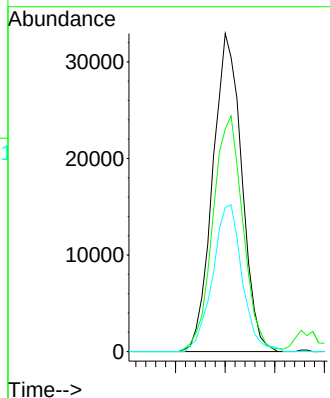
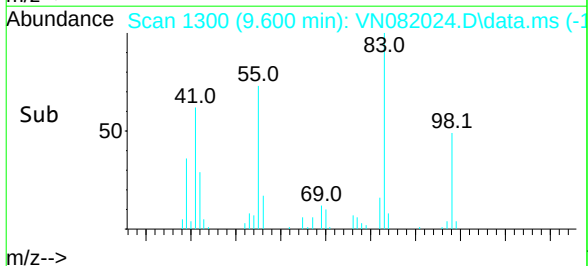
Reviewed By :John Carlone 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

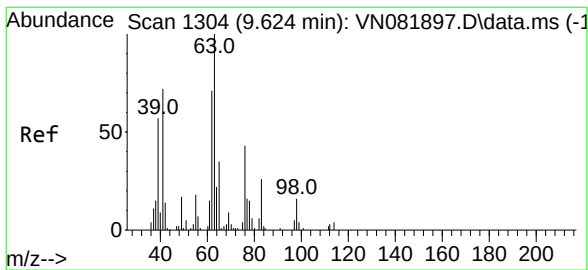


#38
 Methylcyclohexane
 Concen: 19.182 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. -0.006 min
 Lab File: VN082024.D
 Acq: 08 May 2024 09:33



Tgt Ion: 83 Resp: 66852
 Ion Ratio Lower Upper
 83 100
 55 77.1 36.6 109.9
 98 46.8 23.8 71.5





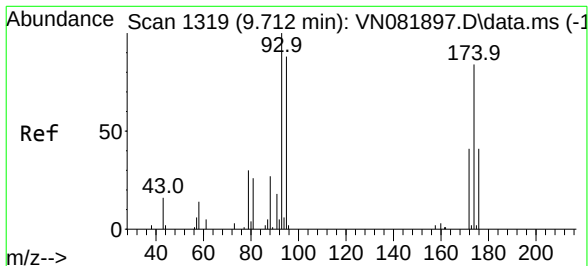
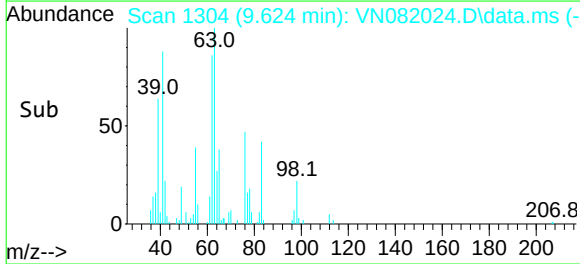
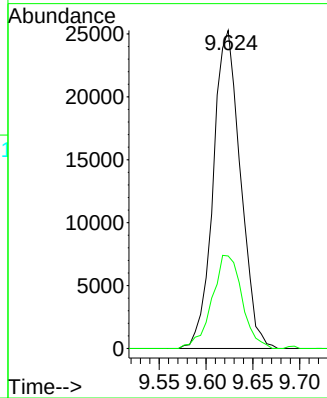
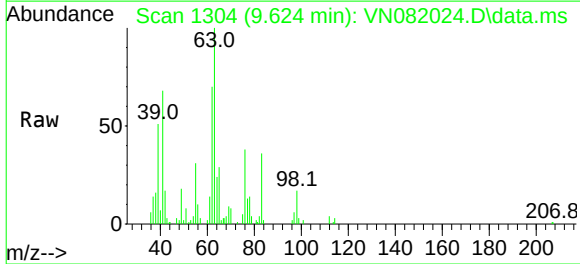
#39
1,2-Dichloropropane
Concen: 21.699 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 51245
Ion Ratio Lower Upper
63 100
65 29.1 25.0 37.4

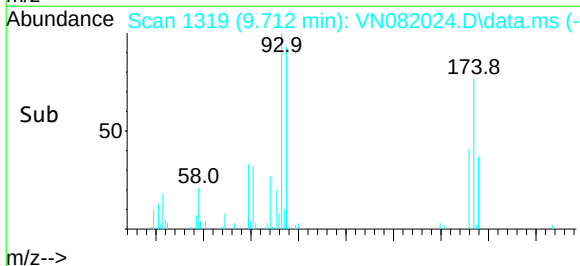
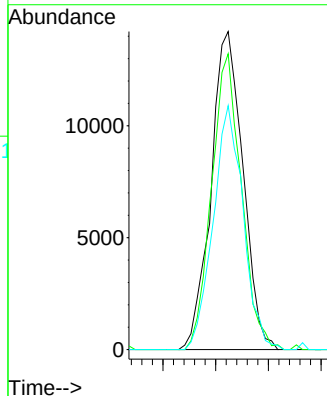
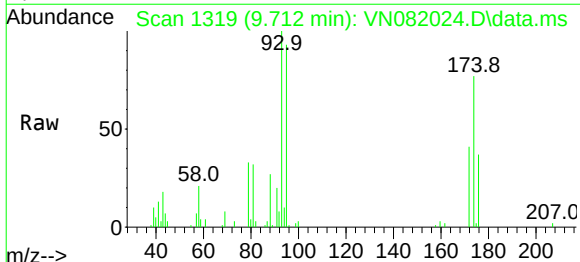
Manual Integrations
APPROVED

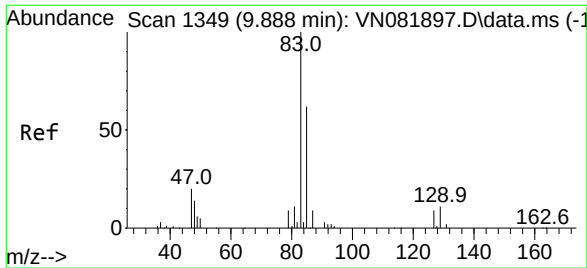
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#40
Dibromomethane
Concen: 19.668 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 93 Resp: 29839
Ion Ratio Lower Upper
93 100
95 86.8 0.0 164.6
174 72.3 0.0 193.2





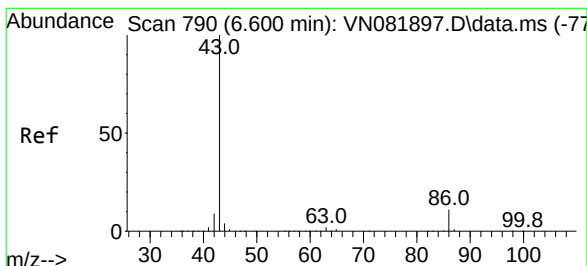
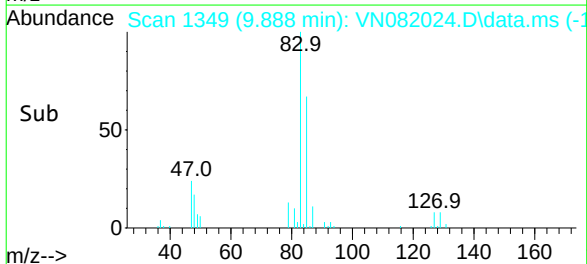
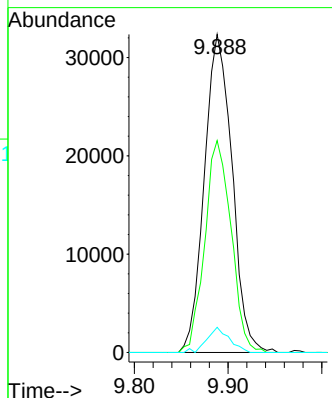
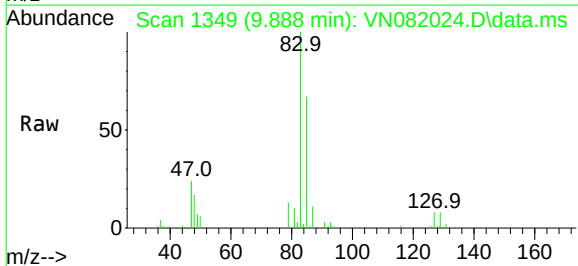
#41
Bromodichloromethane
Concen: 20.527 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 66562
Ion Ratio Lower Upper
83 100
85 66.6 49.4 74.2
127 7.9 7.3 10.9

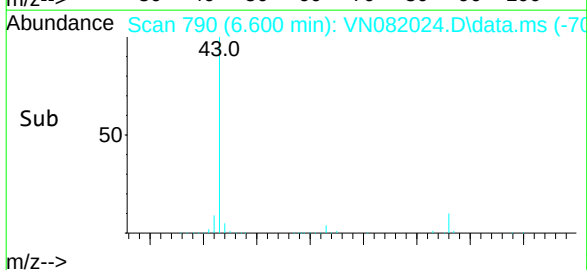
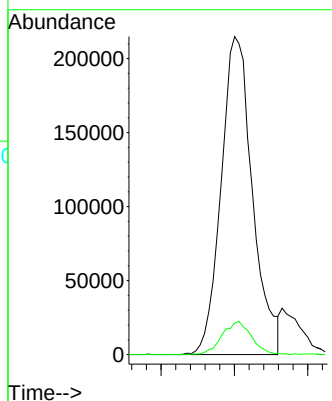
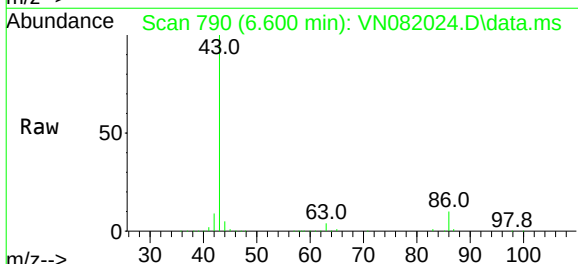
Manual Integrations
APPROVED

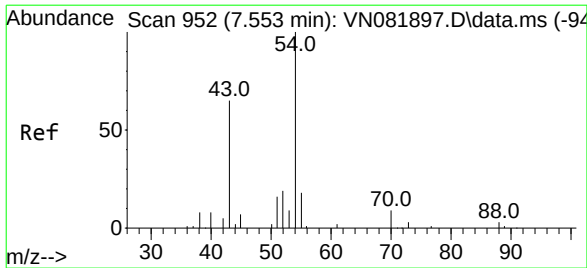
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#42
Vinyl Acetate
Concen: 101.049 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 43 Resp: 639614
Ion Ratio Lower Upper
43 100
86 9.7 9.4 14.2





#43

Ethyl Acetate

Concen: 17.825 ug/l

RT: 7.559 min Scan# 95

Delta R.T. 0.006 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 57795

Ion Ratio Lower Upper

43 100

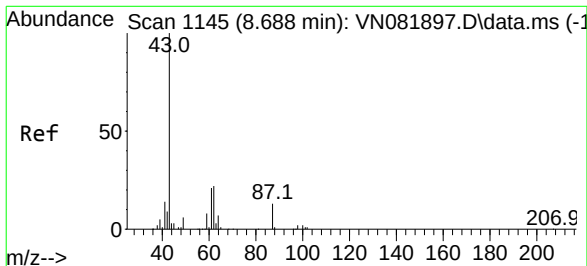
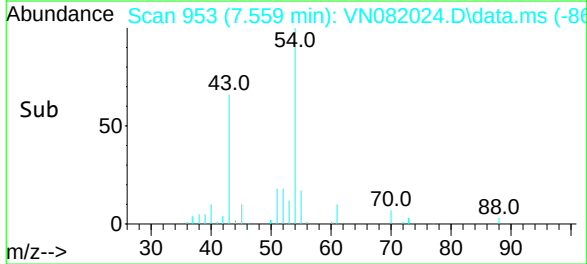
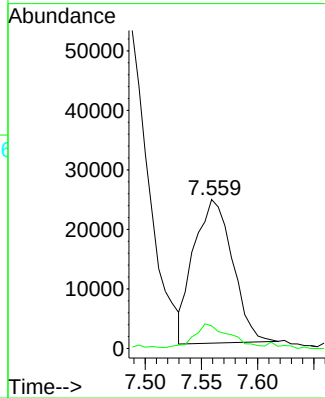
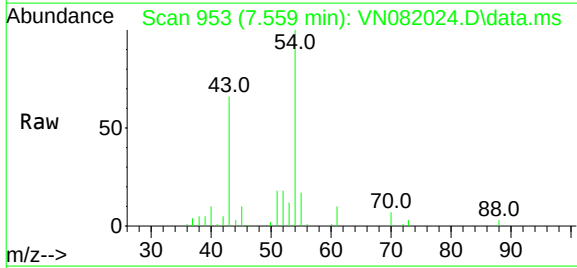
45 16.0 10.6 15.8#

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#44

Isopropyl Acetate

Concen: 20.099 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082024.D

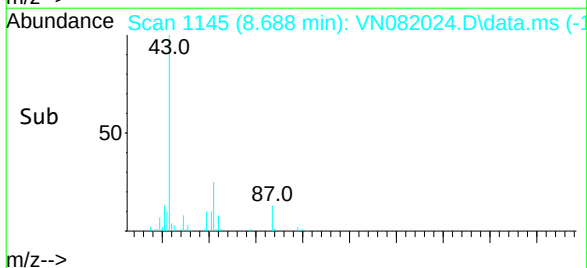
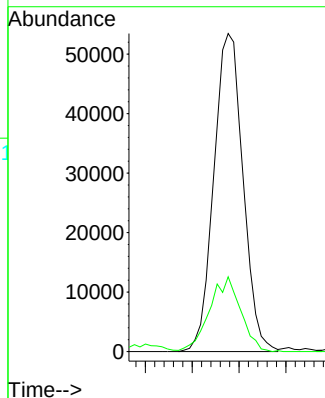
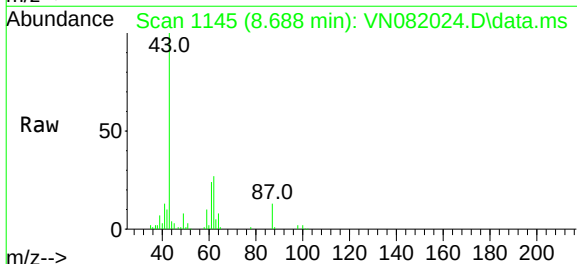
Acq: 08 May 2024 09:33

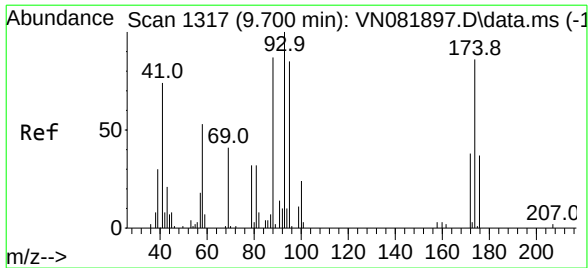
Tgt Ion: 43 Resp: 115697

Ion Ratio Lower Upper

43 100

61 25.1 25.0 37.4





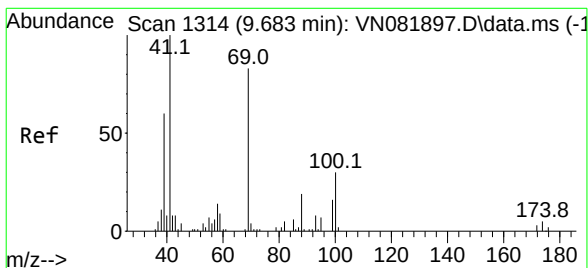
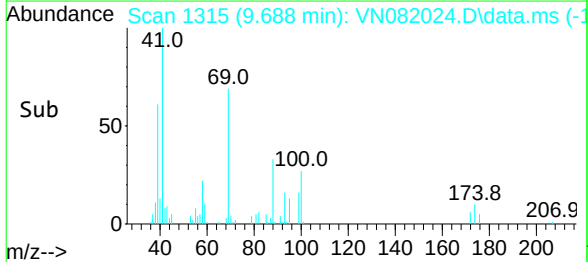
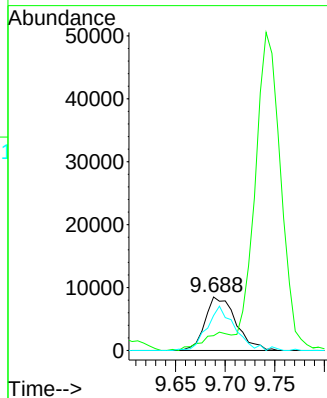
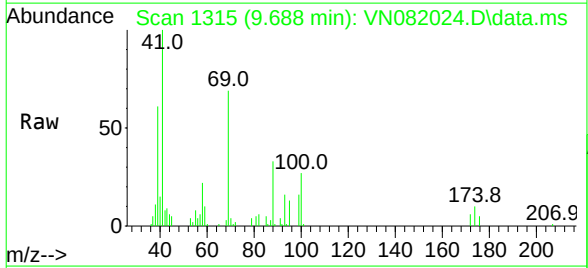
#45
1,4-Dioxane
Concen: 398.618 ug/l
RT: 9.688 min Scan# 1317
Delta R.T. -0.012 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 88 Resp: 18402
Ion Ratio Lower Upper
88 100
43 31.0 19.8 29.6#
58 71.1 55.4 83.0

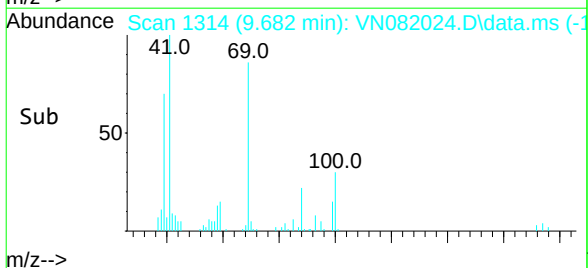
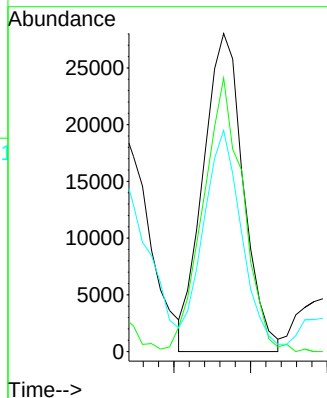
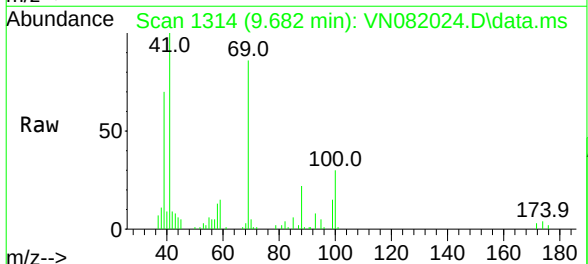
Manual Integrations
APPROVED

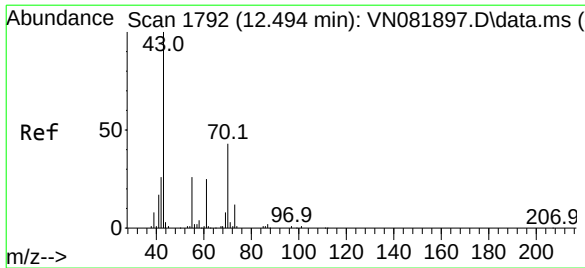
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#46
Methyl methacrylate
Concen: 19.445 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 41 Resp: 51139
Ion Ratio Lower Upper
41 100
69 87.9 51.1 153.3
39 70.0 25.8 77.3





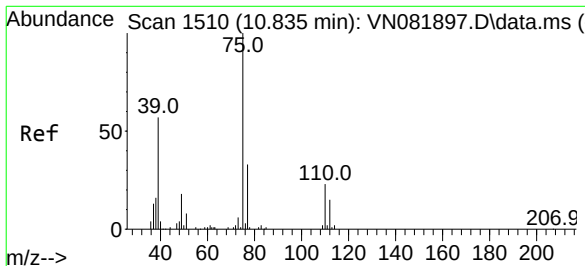
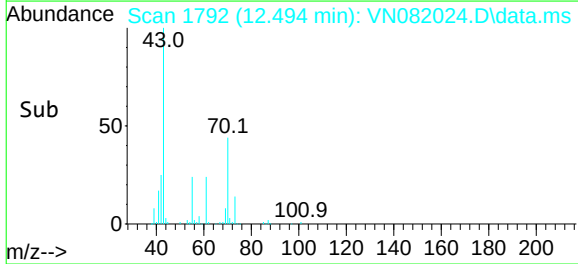
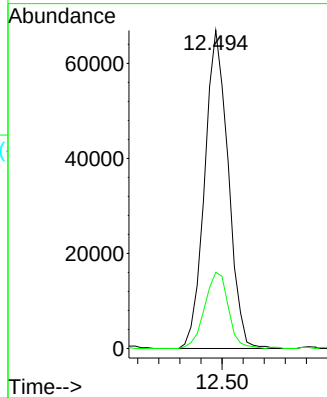
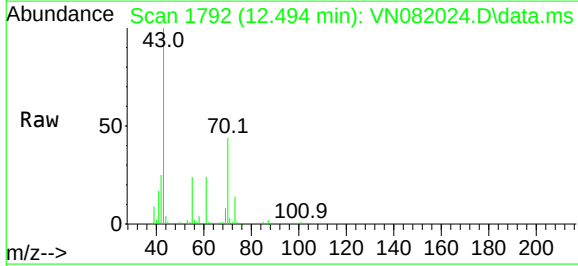
#47
n-amy1 Acetate
Concen: 19.991 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 103792
Ion Ratio Lower Upper
43 100
55 24.0 23.4 35.2

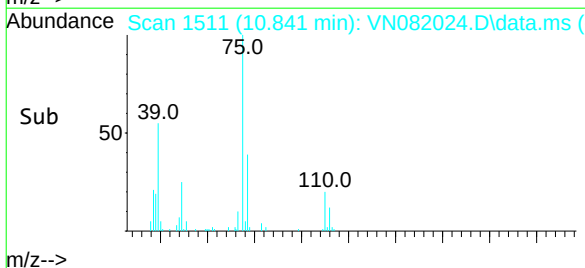
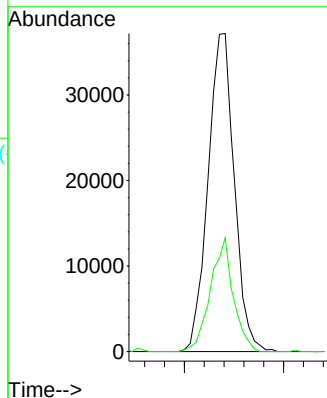
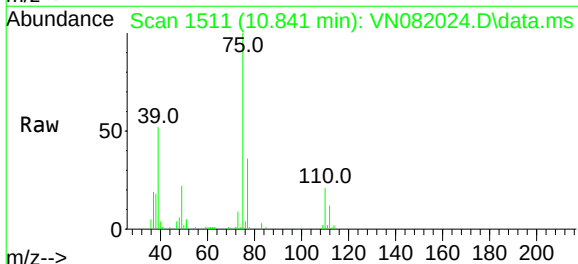
Manual Integrations
APPROVED

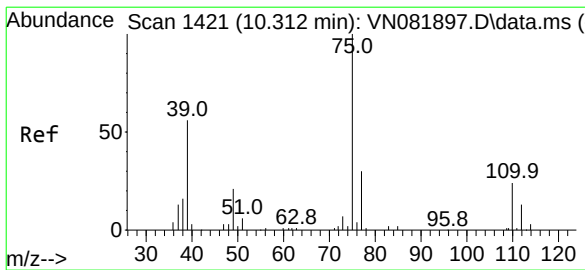
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#48
t-1,3-Dichloropropene
Concen: 19.446 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

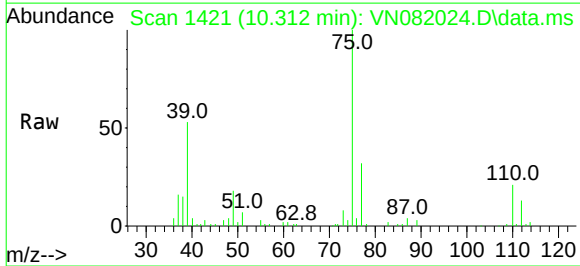
Tgt Ion: 75 Resp: 68382
Ion Ratio Lower Upper
75 100
77 35.8 23.8 35.6#





#49
cis-1,3-Dichloropropene
Concen: 20.493 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

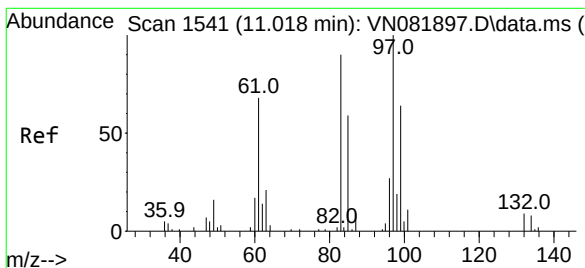
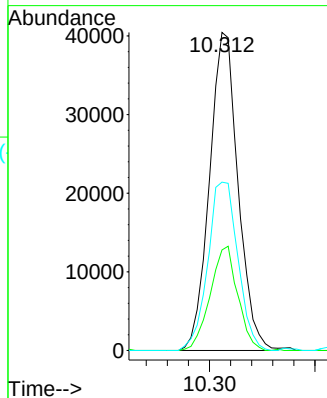
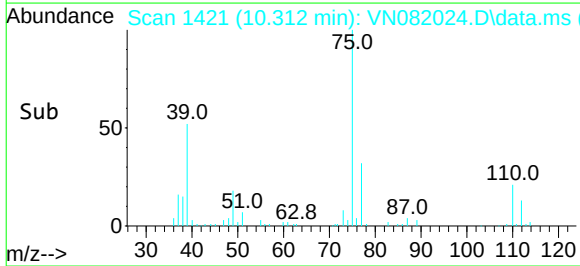
Instrument : MSVOA_N
ClientSampleId : VSTDCCC020



Tgt Ion:	75	Resp:	76193
Ion Ratio	Lower	Upper	
75	100		
77	31.6	24.9	37.3
39	52.9	31.0	46.6

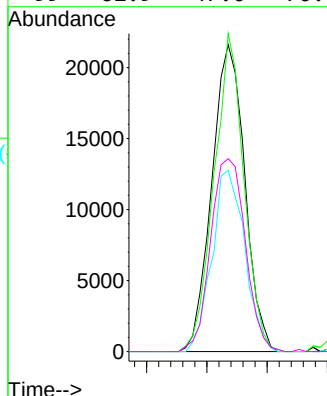
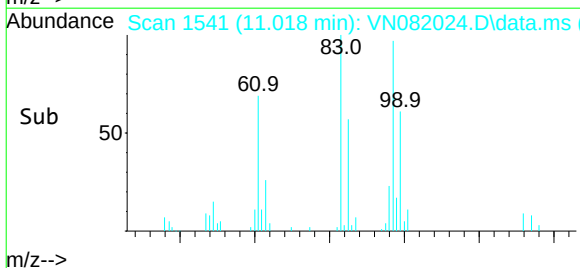
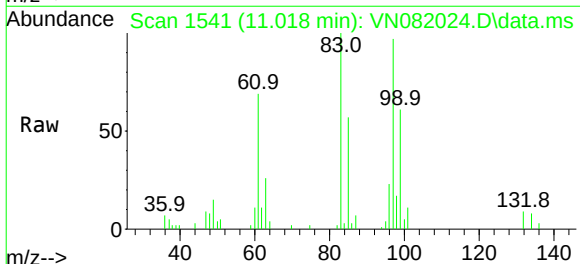
Manual Integrations
APPROVED

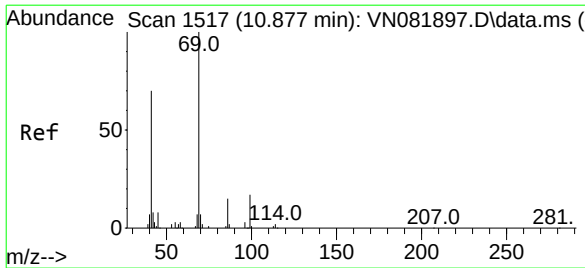
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#50
1,1,2-Trichloroethane
Concen: 19.961 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:	97	Resp:	41086
Ion Ratio	Lower	Upper	
97	100		
83	103.6	68.1	102.1
85	59.0	41.8	62.6
99	62.9	47.0	70.4





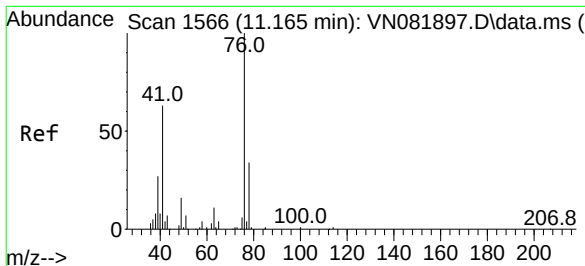
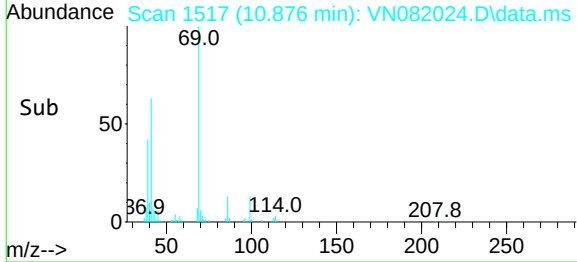
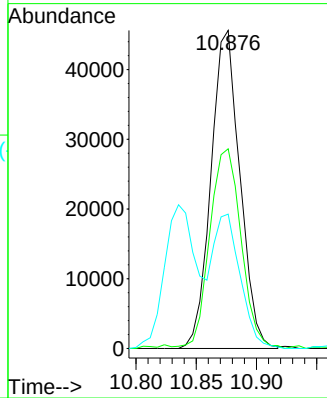
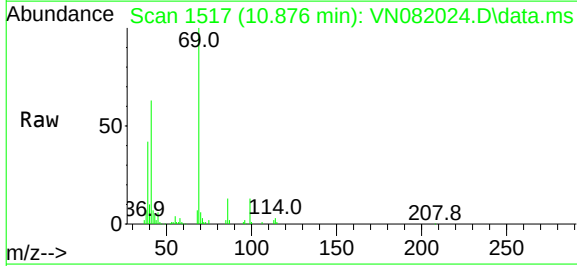
#51
Ethyl methacrylate
Concen: 19.638 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.1	25.5	76.5
39	41.8	16.0	47.9

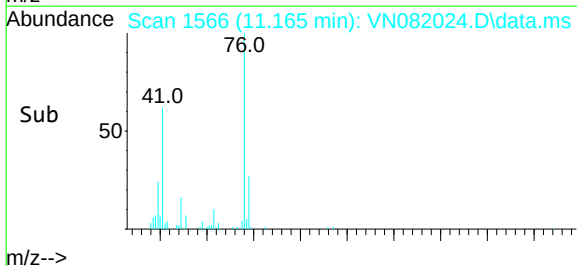
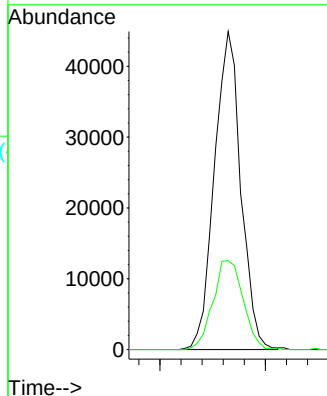
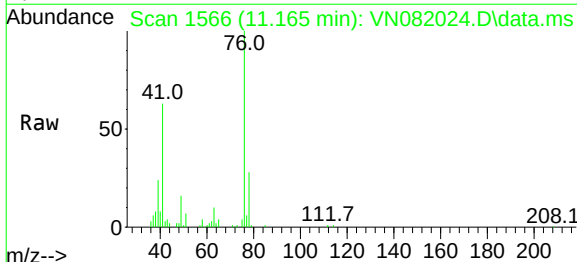
Manual Integrations
APPROVED

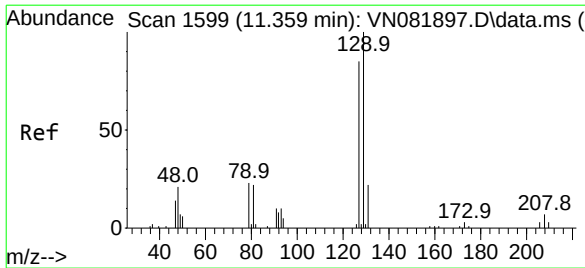
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#52
1,3-Dichloropropane
Concen: 20.690 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	65.8





#53

Dibromochloromethane

Concen: 19.090 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 42752

Ion Ratio Lower Upper

129 100

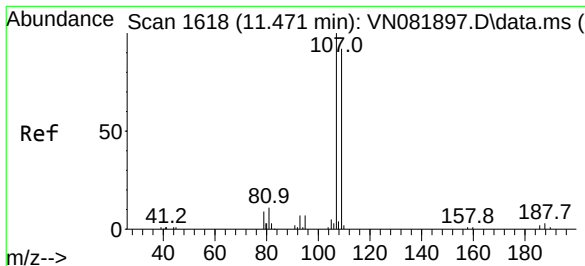
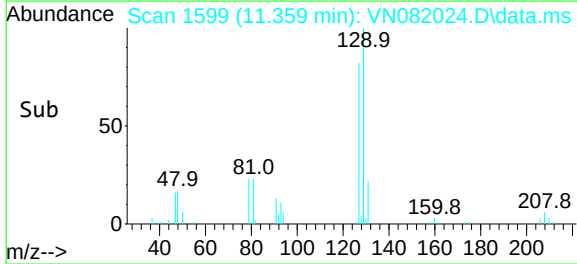
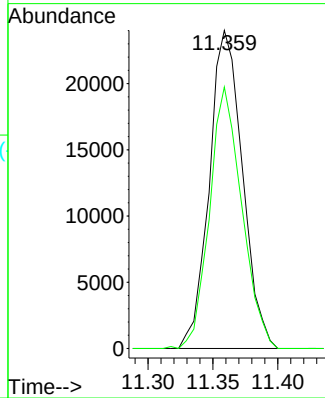
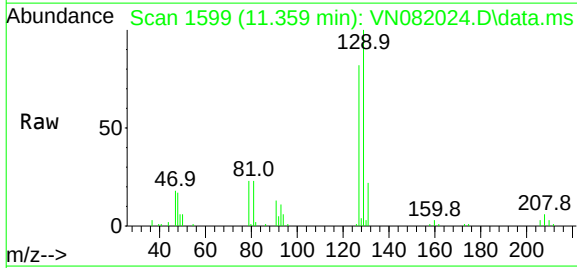
127 79.8 39.4 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#54

1,2-Dibromoethane

Concen: 19.967 ug/l

RT: 11.471 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VN082024.D

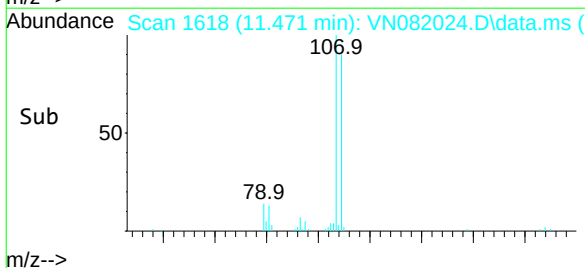
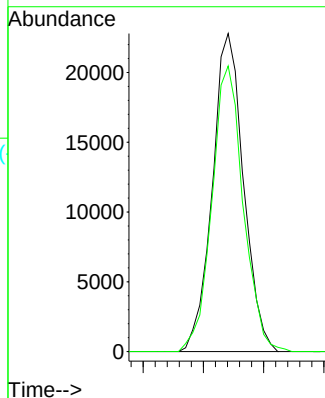
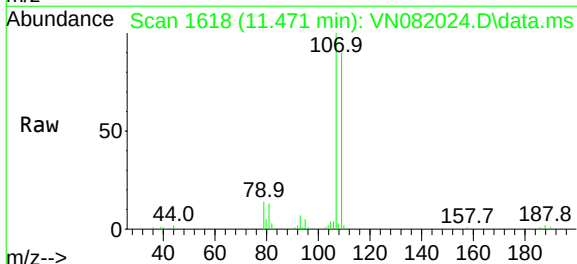
Acq: 08 May 2024 09:33

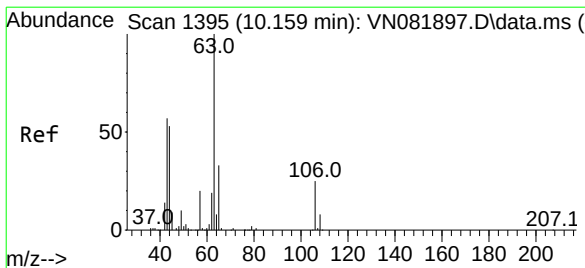
Tgt Ion:107 Resp: 40987

Ion Ratio Lower Upper

107 100

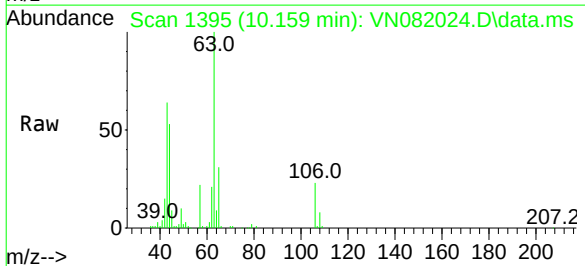
109 90.2 74.7 112.1





#55
2-Chloroethyl vinyl ether
Concen: 106.078 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

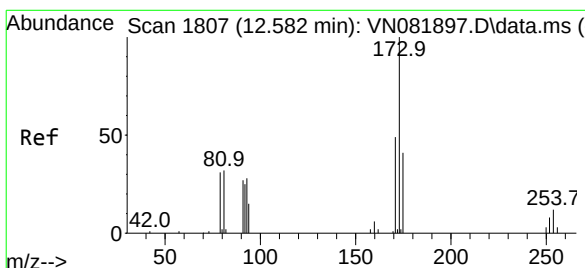
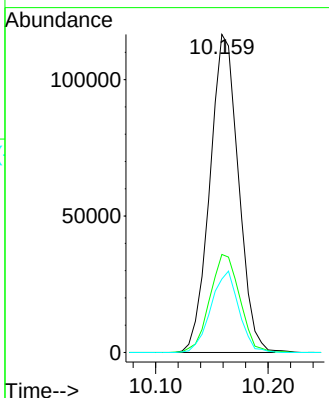
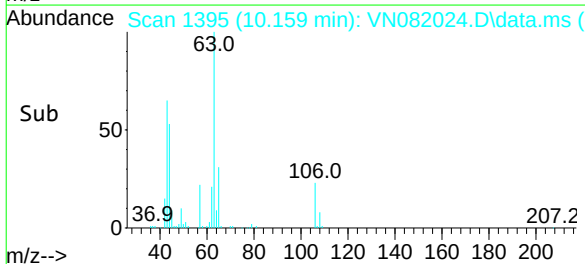
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



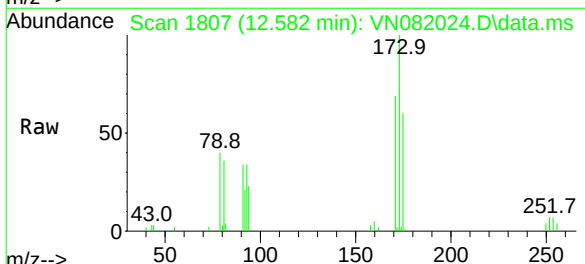
Tgt Ion: 63 Resp: 206064
Ion Ratio Lower Upper
63 100
65 32.3 26.2 39.2
106 25.0 23.8 35.8

Manual Integrations
APPROVED

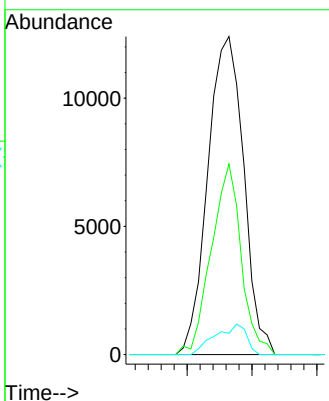
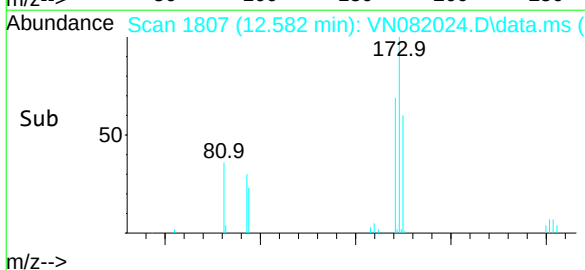
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

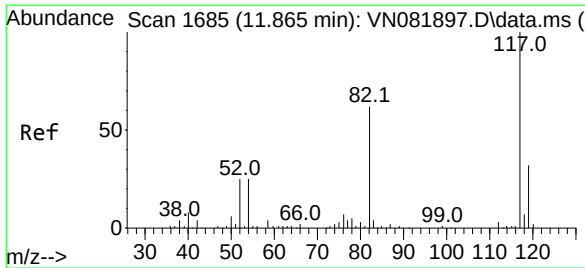


#56
Bromoform
Concen: 17.486 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33



Tgt Ion:173 Resp: 23833
Ion Ratio Lower Upper
173 100
175 50.0 40.0 60.0
254 8.3 8.3 12.5





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

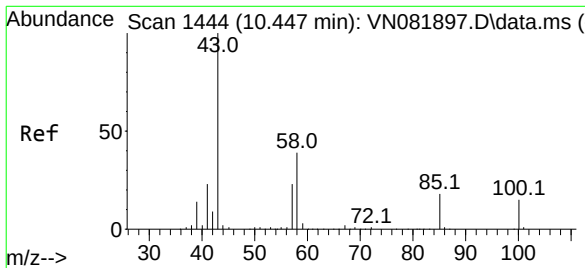
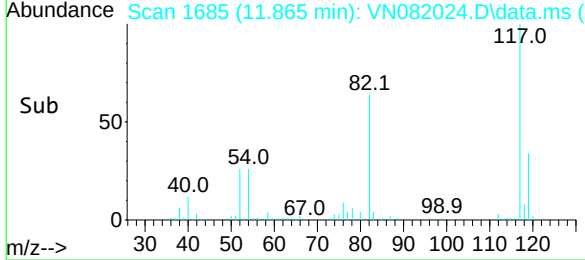
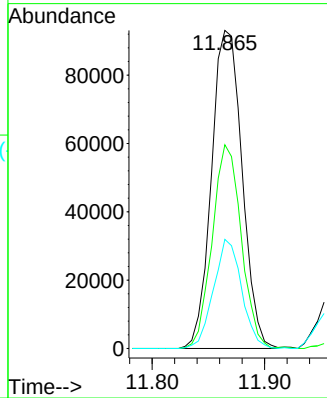
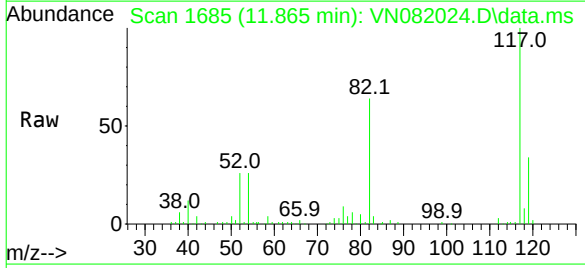
Tgt Ion:117 Resp: 176192
Ion Ratio Lower Upper
117 100
82 60.6 46.6 69.8
119 31.5 25.4 38.2

Manual Integrations

APPROVED

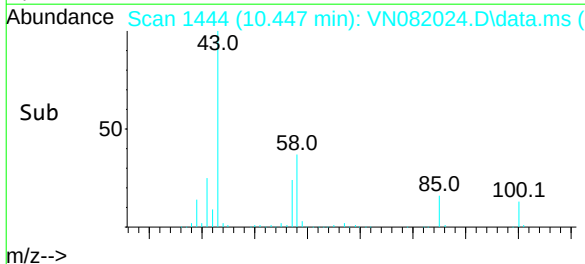
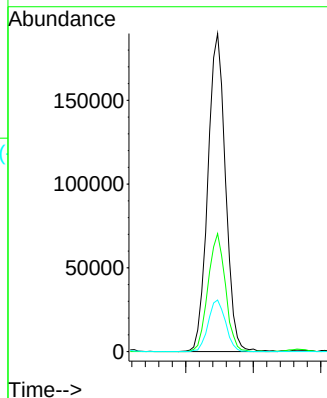
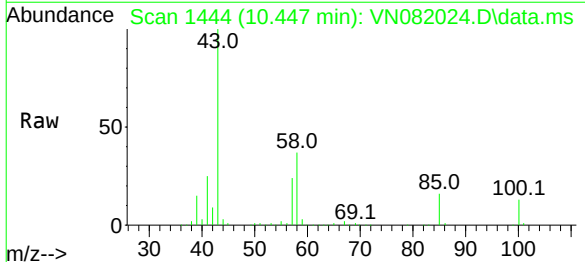
Reviewed By :John Carlone 05/09/2024

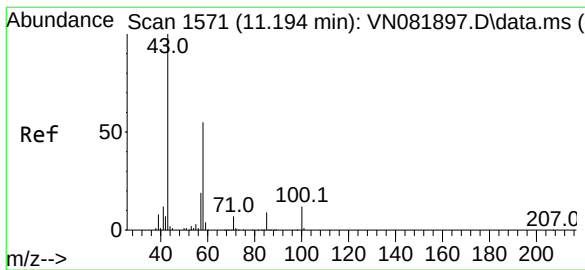
Supervised By :Mahesh Dadoda 05/09/2024



#58
4-Methyl-2-Pentanone
Concen: 100.797 ug/l m
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 43 Resp: 344838
Ion Ratio Lower Upper
43 100
58 0.5 36.5 54.7#
85 0.3 19.5 29.3#





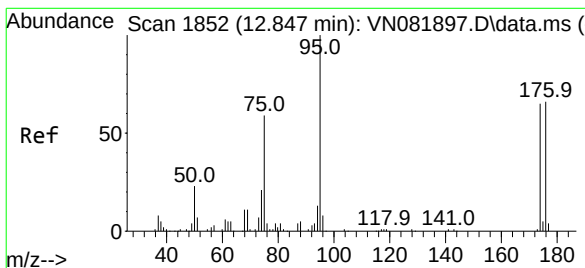
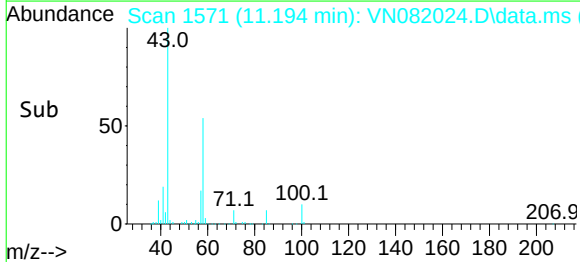
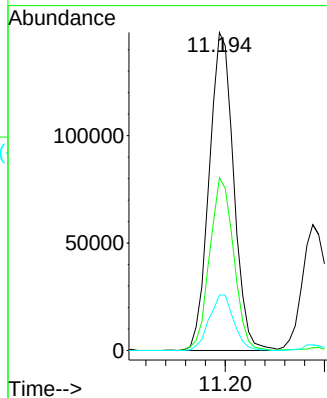
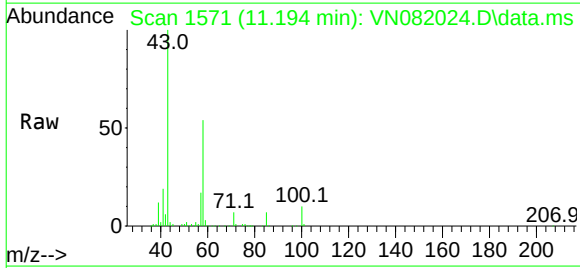
#59
2-Hexanone
Concen: 100.169 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 254086
Ion Ratio Lower Upper
43 100
58 53.2 50.4 75.6
57 17.6 18.6 27.8#

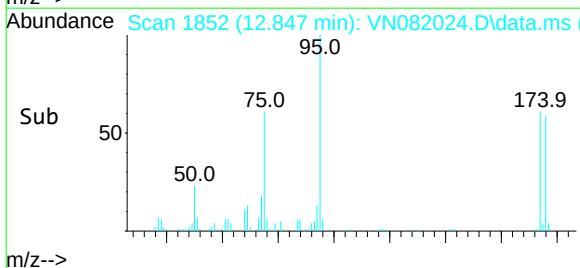
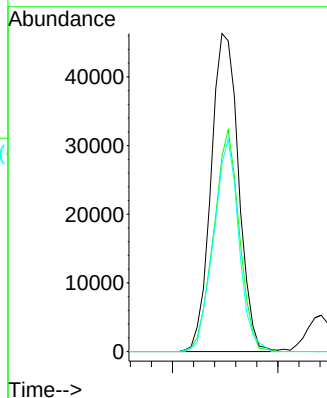
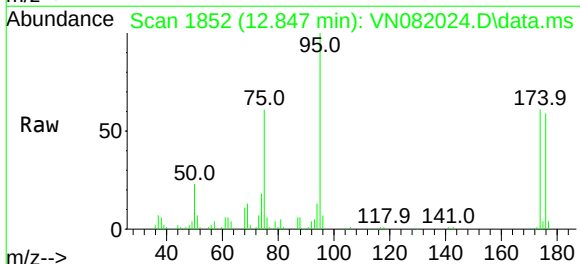
Manual Integrations
APPROVED

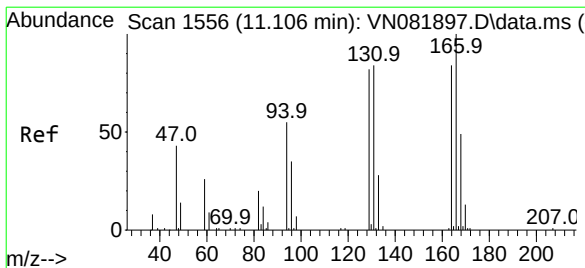
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#60
4-Bromofluorobenzene
Concen: 28.720 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

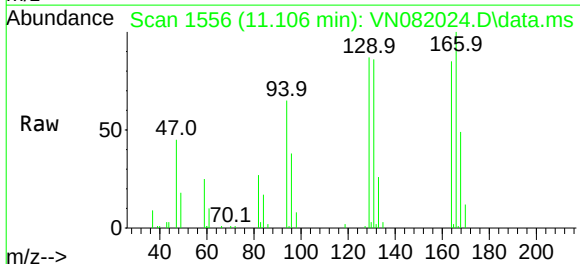
Tgt Ion: 95 Resp: 84214
Ion Ratio Lower Upper
95 100
174 64.6 60.5 90.7
176 61.2 57.8 86.6





#61
Tetrachloroethene
Concen: 17.025 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

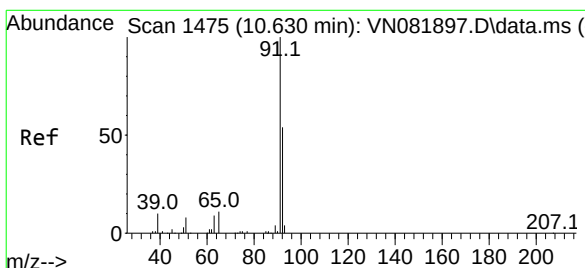
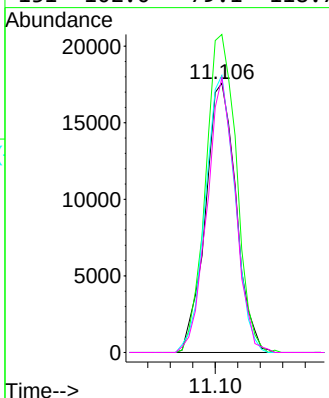
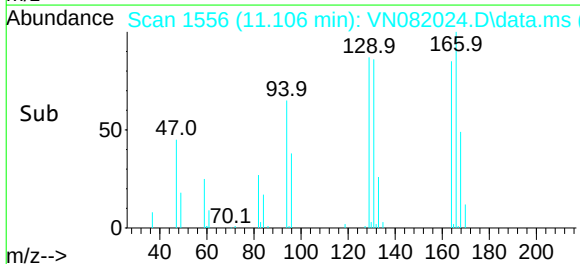
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 164 Resp: 33285
Ion Ratio Lower Upper
164 100
166 118.1 106.7 160.1
129 102.9 85.8 128.6
131 102.0 79.1 118.7

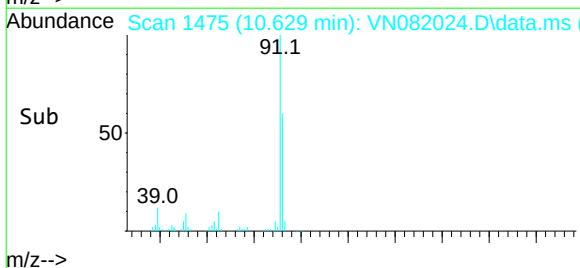
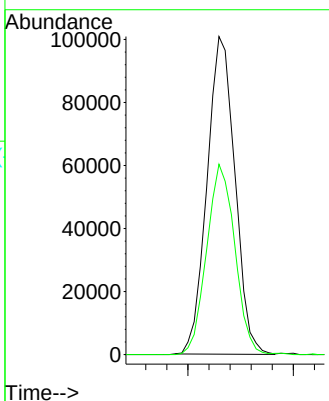
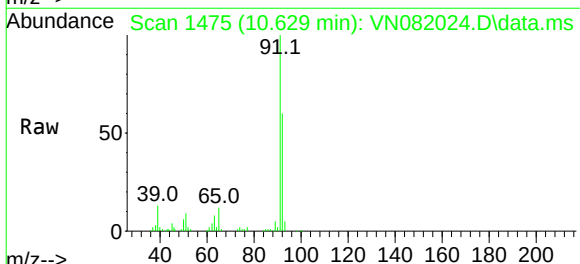
Manual Integrations
APPROVED

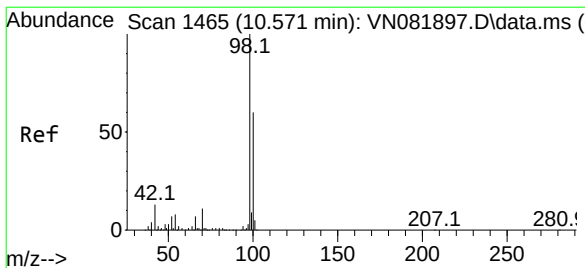
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#62
Toluene
Concen: 18.705 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 91 Resp: 185432
Ion Ratio Lower Upper
91 100
92 60.4 46.5 69.7





#63

Toluene-d8

Concen: 30.745 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 257255

Ion Ratio Lower Upper

98 100

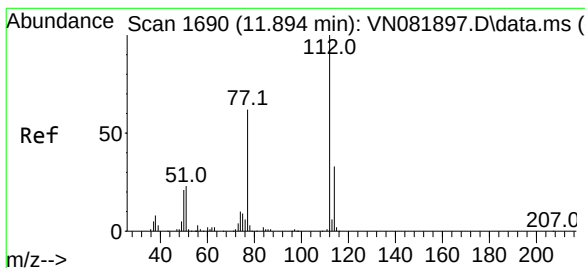
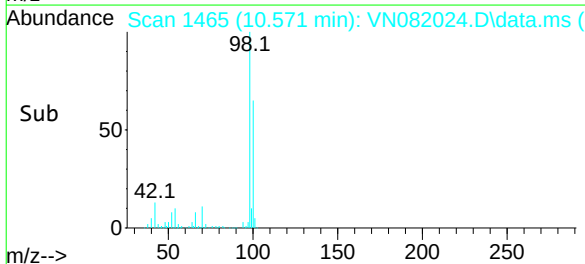
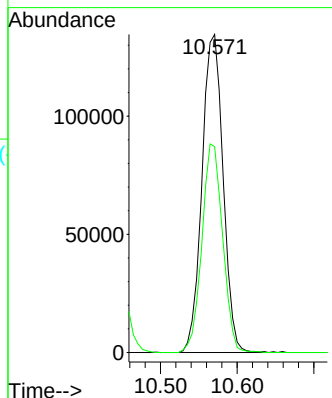
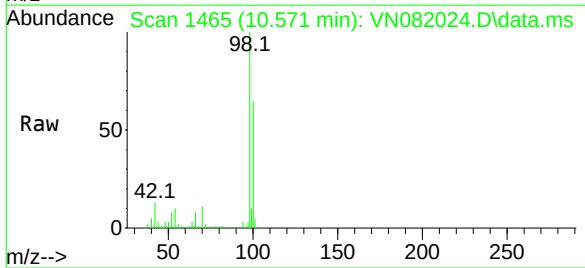
100 64.4 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#64

Chlorobenzene

Concen: 19.287 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN082024.D

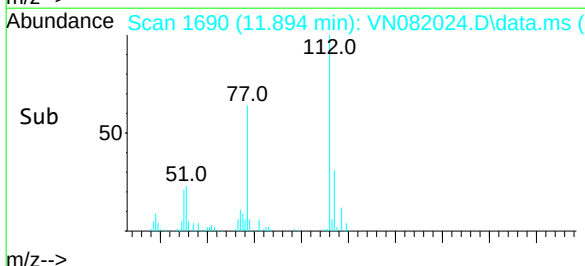
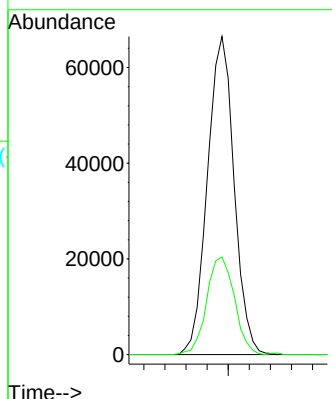
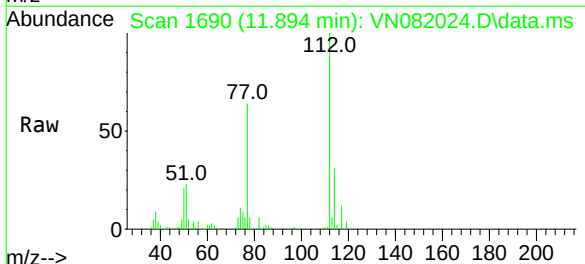
Acq: 08 May 2024 09:33

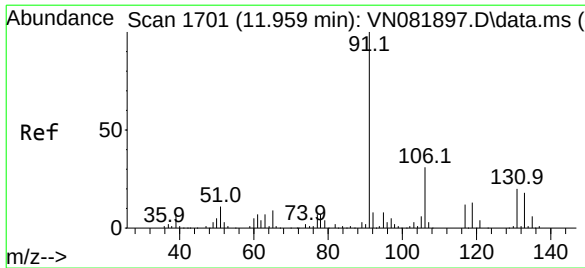
Tgt Ion:112 Resp: 116945

Ion Ratio Lower Upper

112 100

114 30.4 26.6 39.8





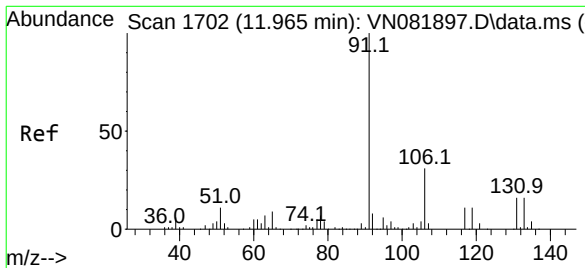
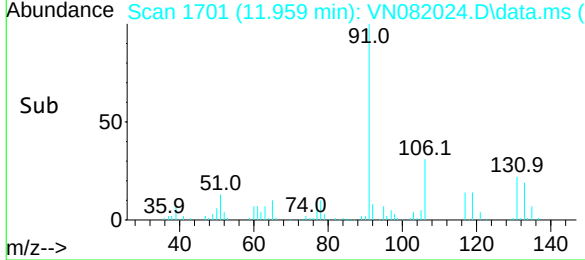
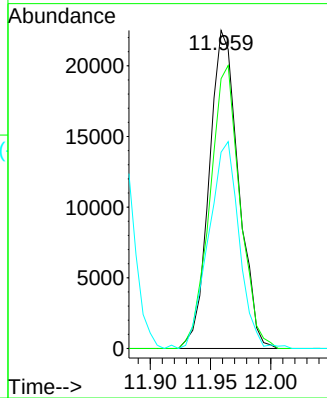
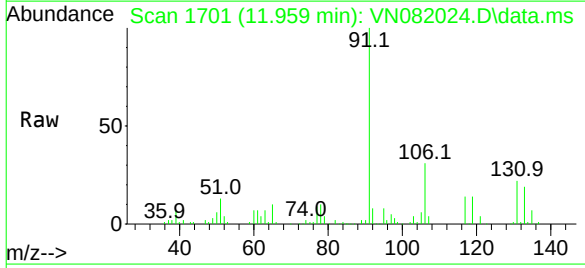
#65
1,1,1,2-Tetrachloroethane
Concen: 19.217 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.2	0.0	188.0
119	66.8	0.0	122.8

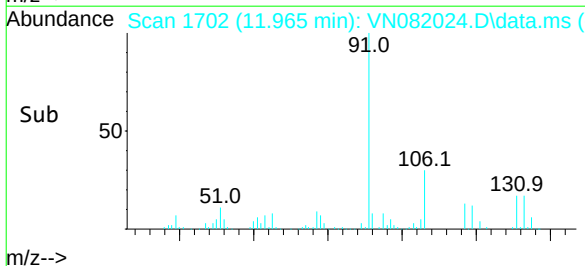
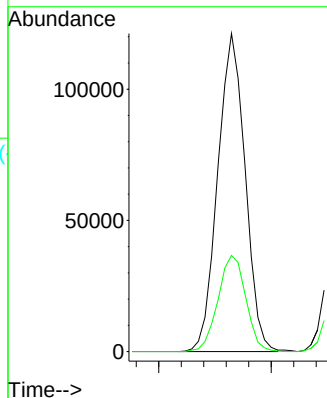
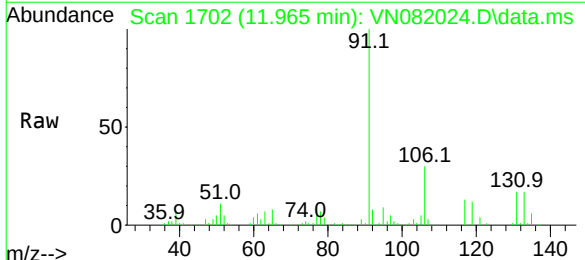
Manual Integrations
APPROVED

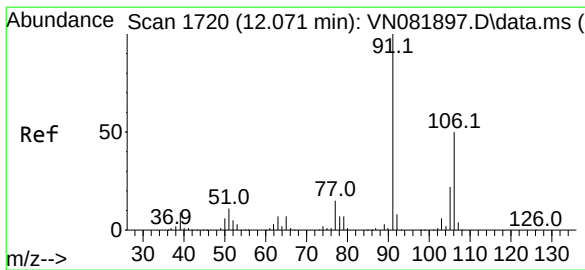
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#66
Ethyl Benzene
Concen: 18.892 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.4	36.6





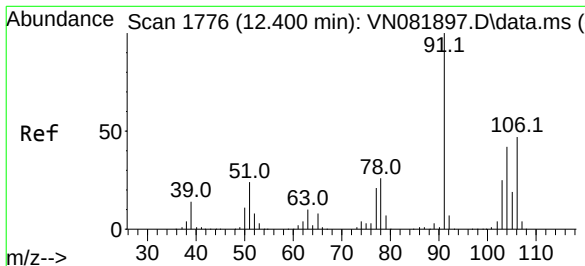
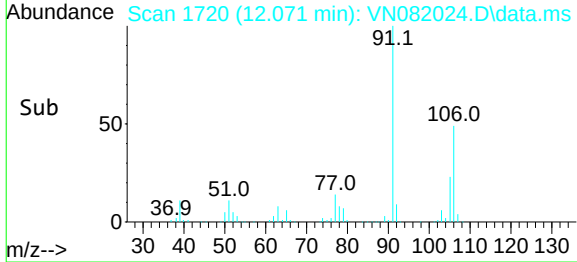
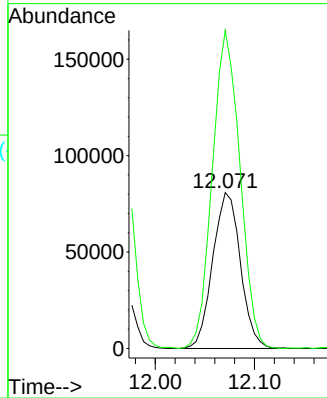
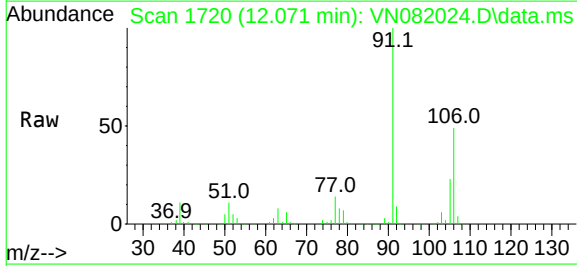
#67
m/p-Xylenes
Concen: 38.976 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 157032
Ion Ratio Lower Upper
106 100
91 203.0 166.6 249.8

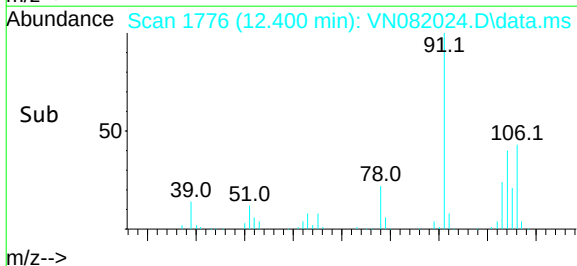
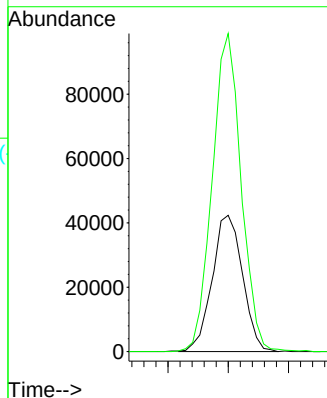
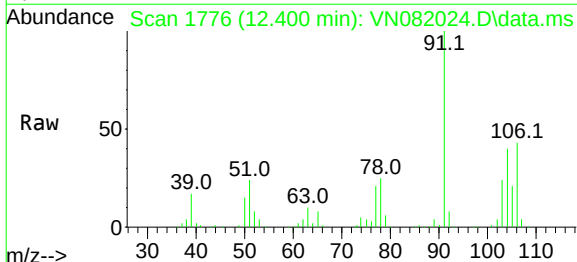
Manual Integrations
APPROVED

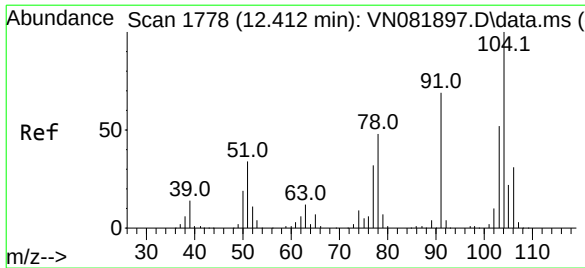
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#68
o-Xylene
Concen: 18.604 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:106 Resp: 74159
Ion Ratio Lower Upper
106 100
91 222.1 110.0 330.0





#69

Styrene

Concen: 19.158 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

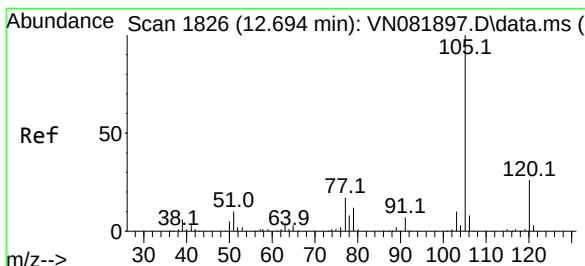
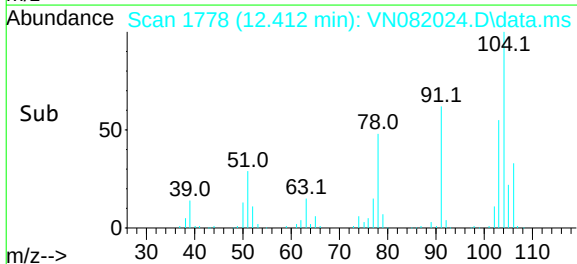
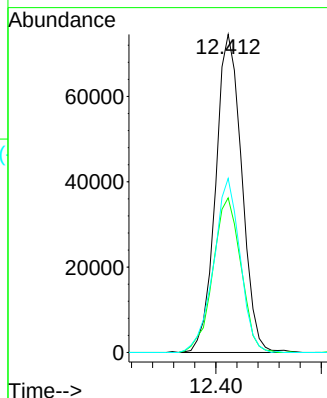
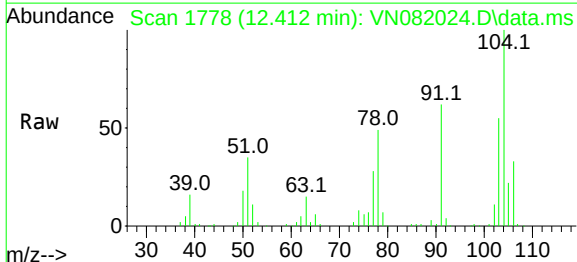
Tgt Ion:	104	Resp:	128194
Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.6	64.0
103	55.4	43.7	65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#70

Isopropylbenzene

Concen: 18.747 ug/l

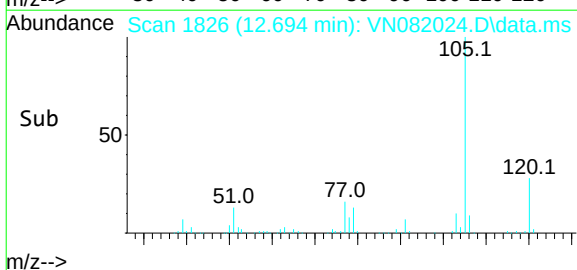
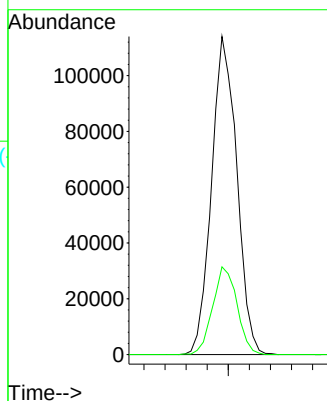
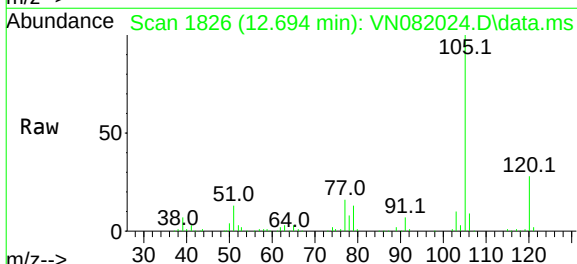
RT: 12.694 min Scan# 1826

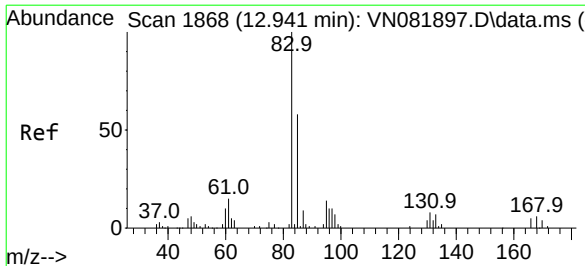
Delta R.T. -0.000 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Tgt Ion:	105	Resp:	189794
Ion	Ratio	Lower	Upper
105	100		
120	26.6	17.8	33.1





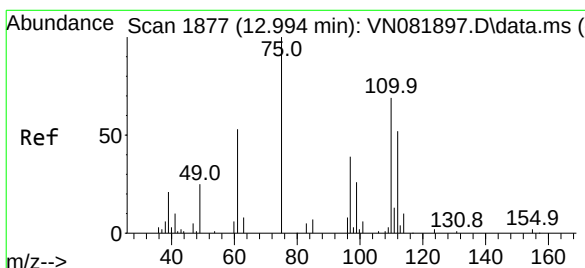
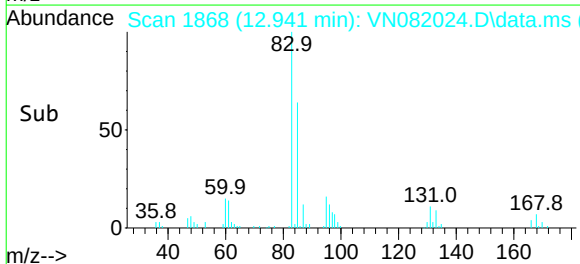
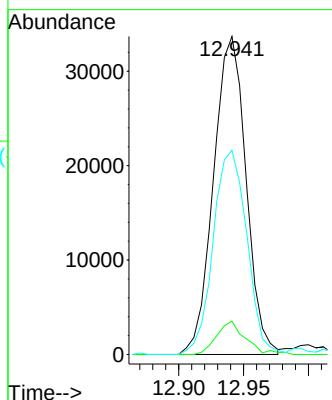
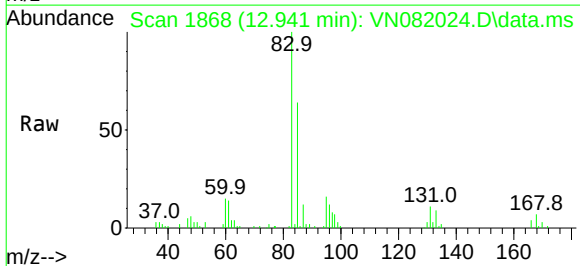
#71
1,1,2,2-Tetrachloroethane
Concen: 20.175 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	83	Resp:	58777
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.2	15.6
85	66.3	32.3	96.8

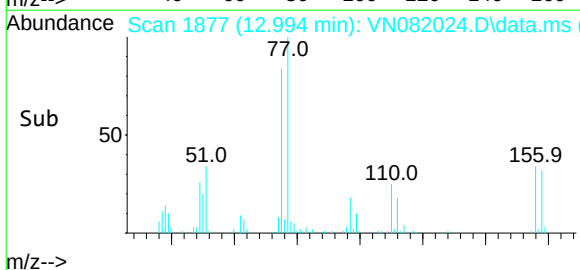
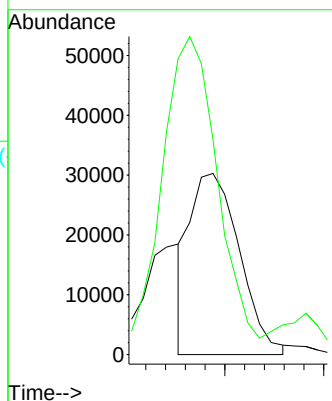
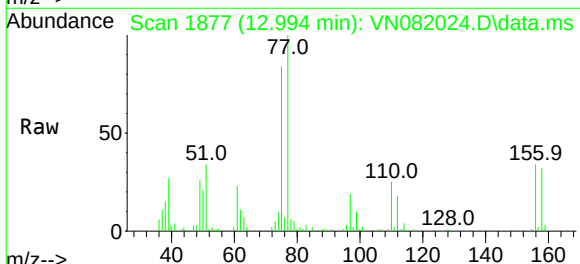
Manual Integrations
APPROVED

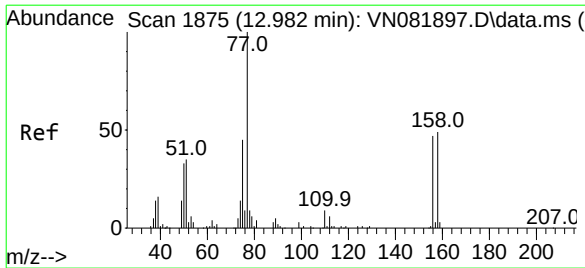
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#72
1,2,3-Trichloropropane
Concen: 19.299 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:	75	Resp:	52565
Ion Ratio	Lower	Upper	
75	100		
77	201.2	0.0	367.6





#73

Bromobenzene

Concen: 18.340 ug/l

RT: 12.976 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

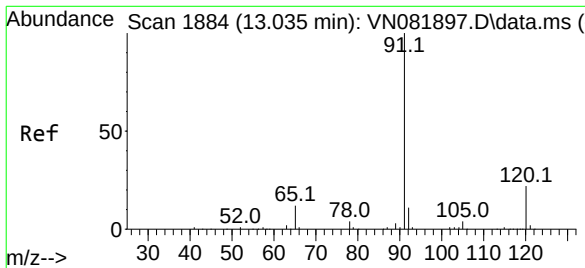
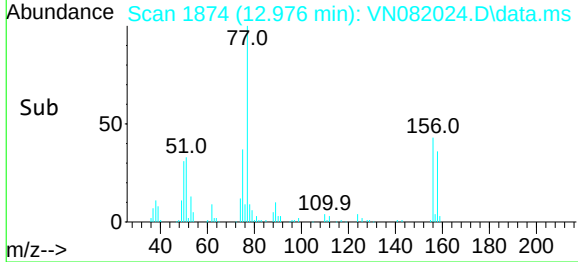
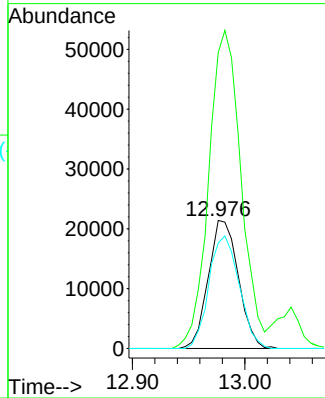
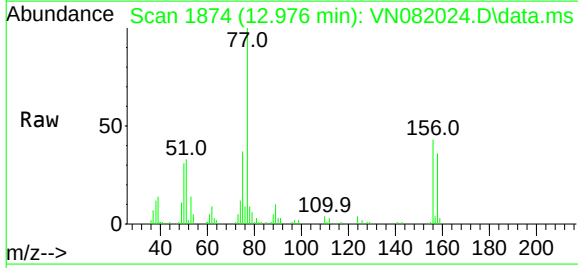
Tgt Ion:	156	Resp:	39745
Ion Ratio	Lower	Upper	
156	100		
77	266.1	0.0	437.6
158	88.6	0.0	203.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#74

n-propylbenzene

Concen: 19.561 ug/l

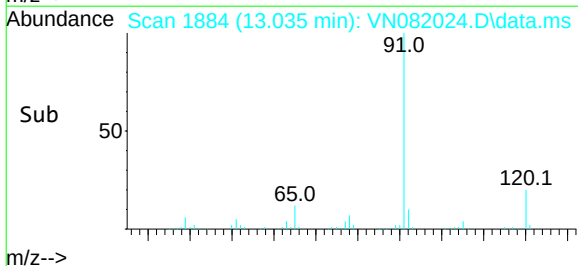
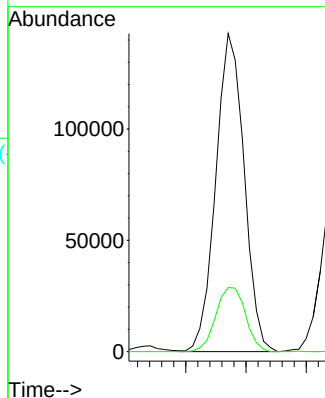
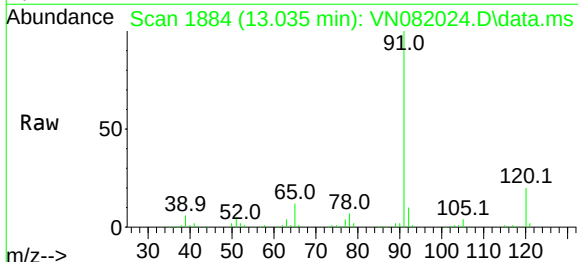
RT: 13.035 min Scan# 1884

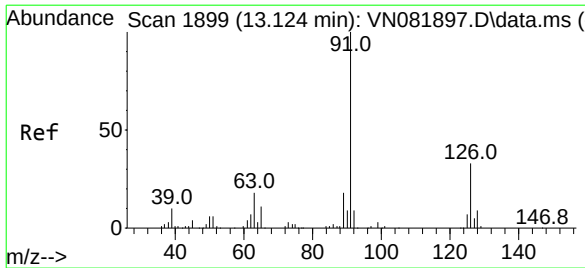
Delta R.T. -0.000 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Tgt Ion:	91	Resp:	233634
Ion Ratio	Lower	Upper	
91	100		
120	21.1	0.0	43.8





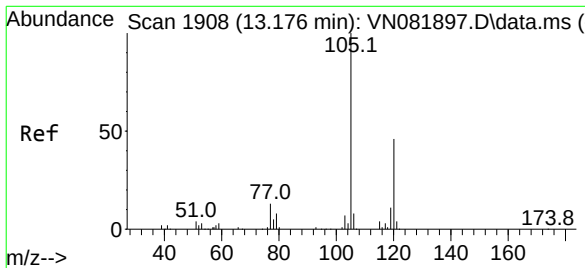
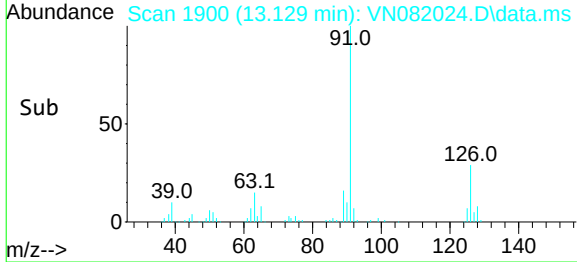
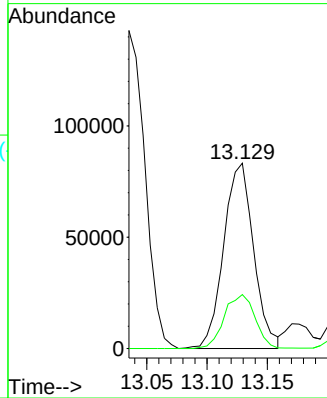
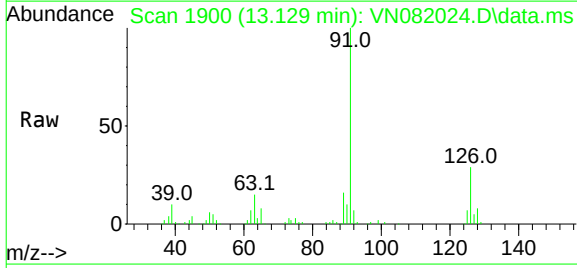
#75
2-Chlorotoluene
Concen: 19.498 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 144067
Ion Ratio Lower Upper
91 100
126 29.8 0.0 61.2

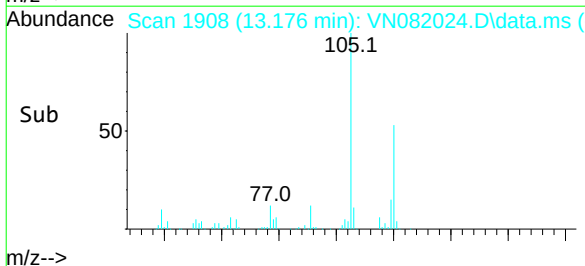
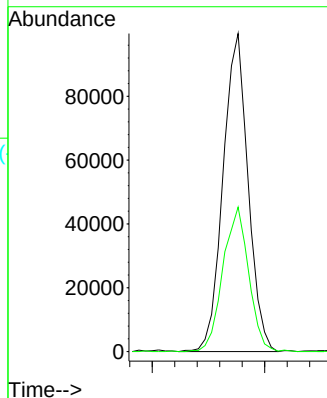
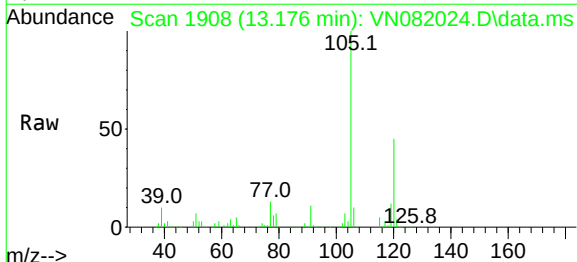
Manual Integrations
APPROVED

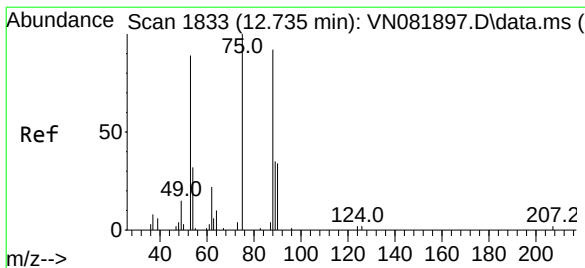
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#76
1,3,5-Trimethylbenzene
Concen: 18.795 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

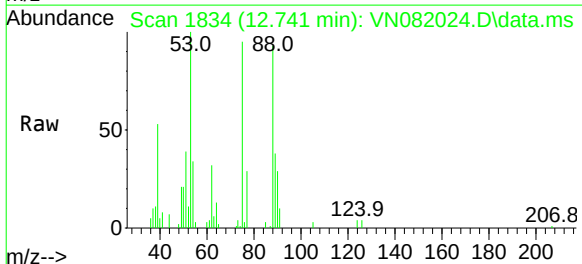
Tgt Ion:105 Resp: 154015
Ion Ratio Lower Upper
105 100
120 46.7 0.0 95.8





#77
t-1,4-Dichloro-2-butene
Concen: 19.593 ug/l
RT: 12.741 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

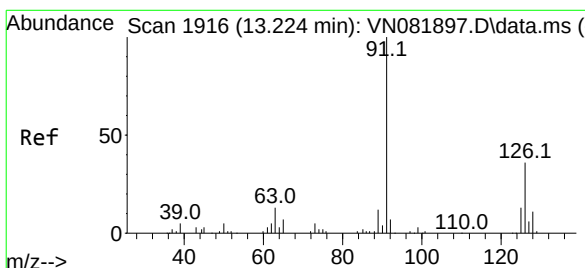
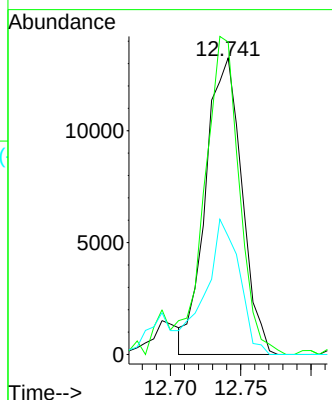
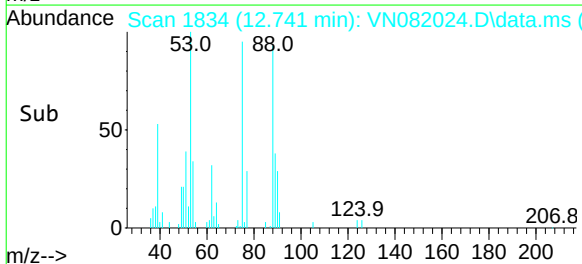
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 23752
Ion Ratio Lower Upper
75 100
53 103.8 45.9 137.7
89 39.8 25.9 77.7

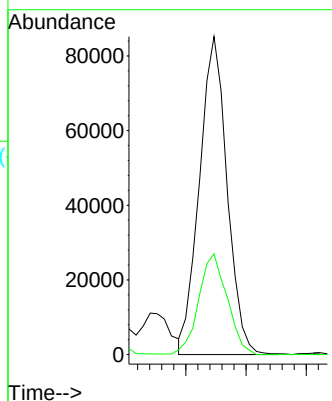
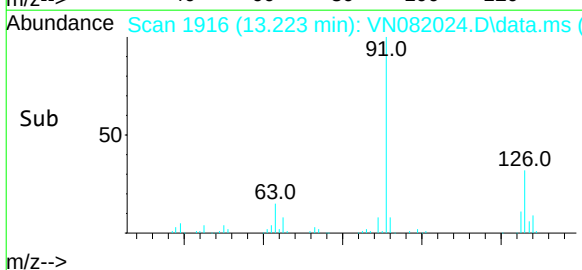
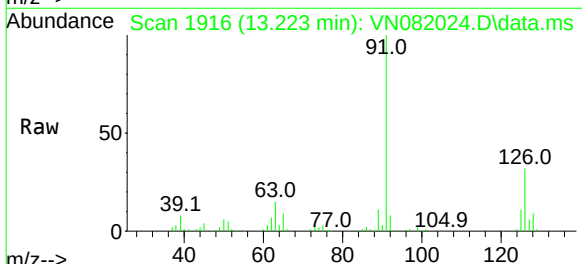
Manual Integrations
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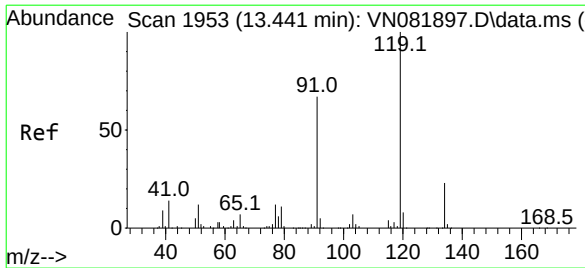
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#78
4-Chlorotoluene
Concen: 18.784 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion: 91 Resp: 135970
Ion Ratio Lower Upper
91 100
126 32.6 0.0 62.8





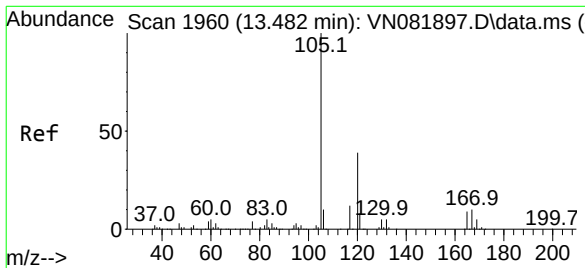
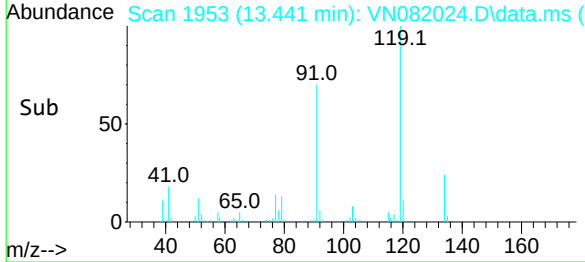
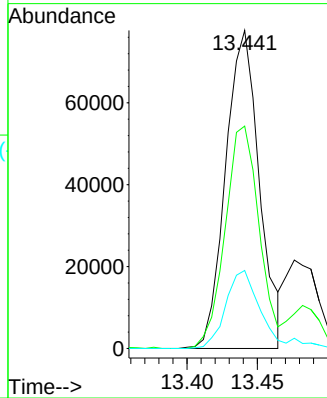
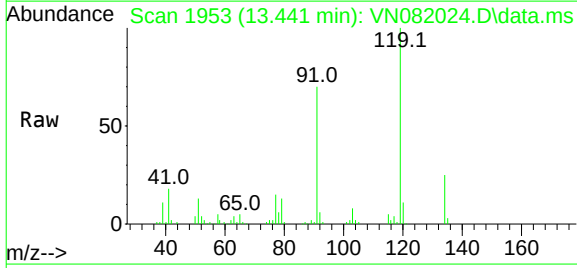
#79
tert-butylbenzene
Concen: 18.394 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 129781
Ion Ratio Lower Upper
119 100
91 70.3 0.0 138.8
134 24.4 0.0 48.6

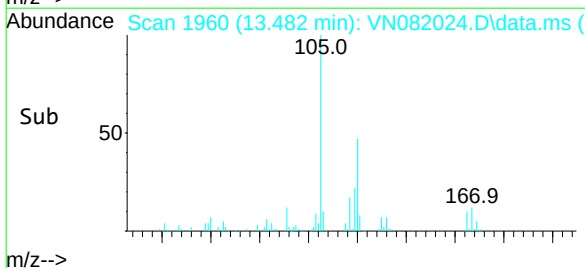
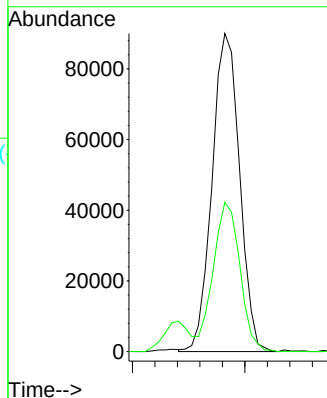
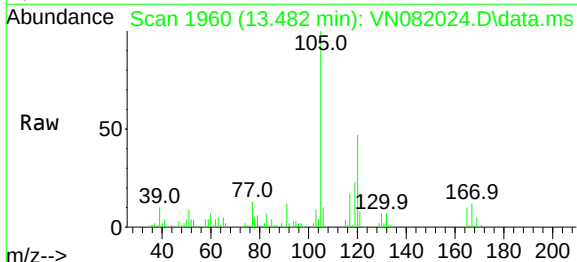
Manual Integrations
APPROVED

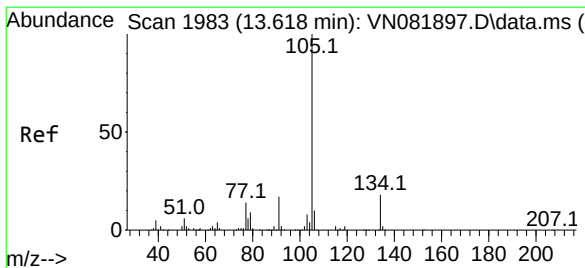
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#80
1,2,4-Trimethylbenzene
Concen: 18.572 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:105 Resp: 152867
Ion Ratio Lower Upper
105 100
120 45.1 0.0 86.8





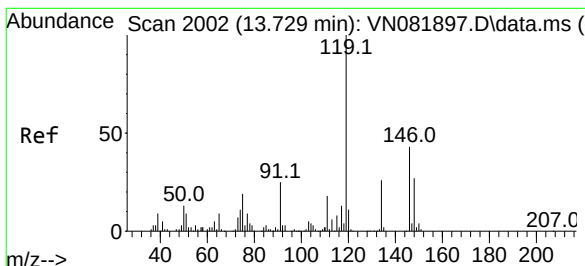
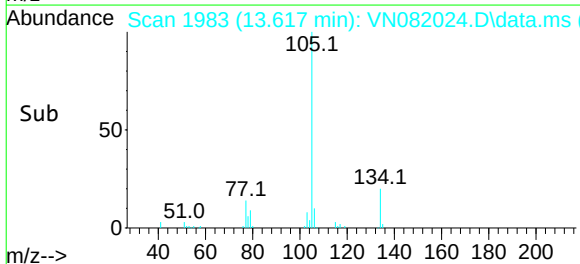
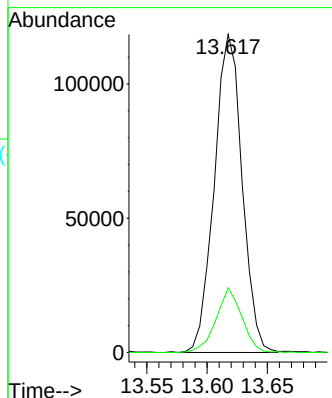
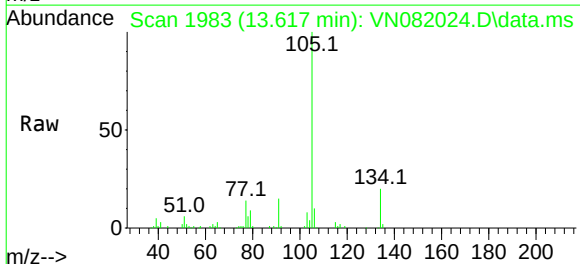
#81
sec-Butylbenzene
Concen: 19.222 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 190103
Ion Ratio Lower Upper
105 100
134 18.8 0.0 39.0

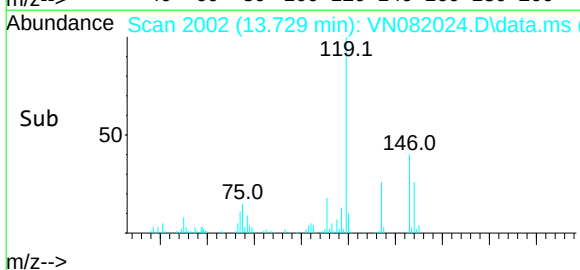
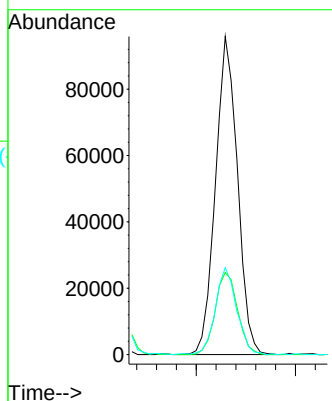
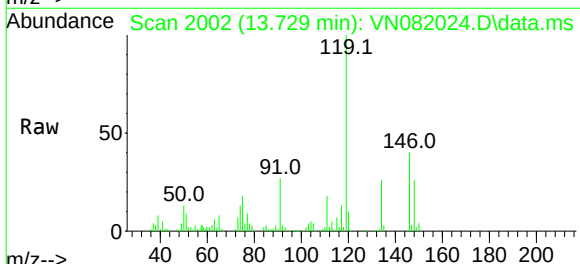
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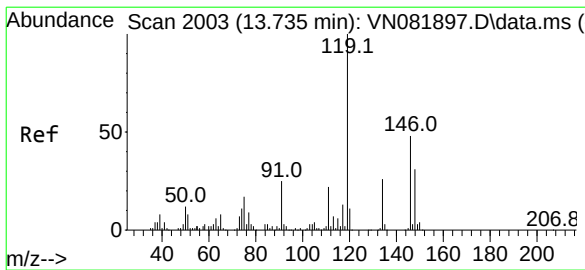
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#82
p-Isopropyltoluene
Concen: 18.882 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:119 Resp: 147665
Ion Ratio Lower Upper
119 100
134 26.2 0.0 49.2
91 26.4 0.0 48.8





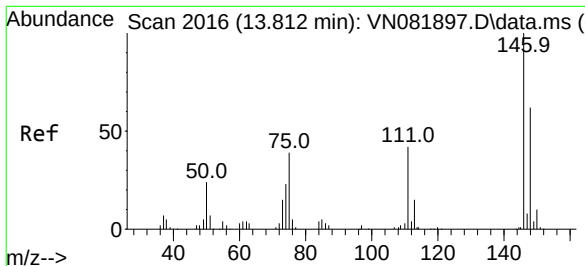
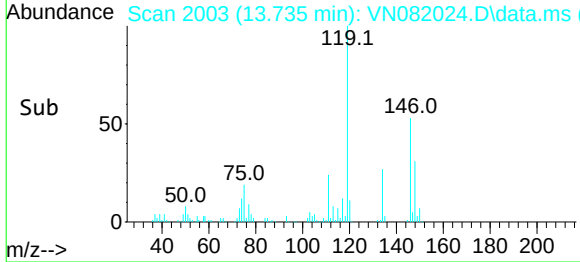
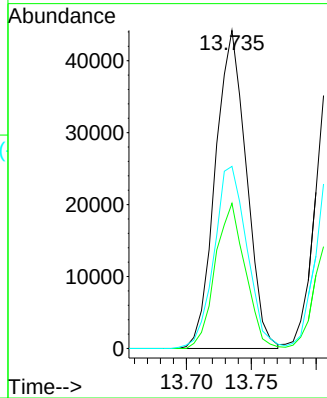
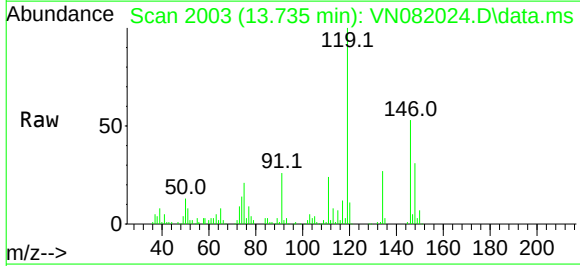
#83
1,3-Dichlorobenzene
Concen: 18.836 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.4	67.0
148	60.8	32.1	96.5

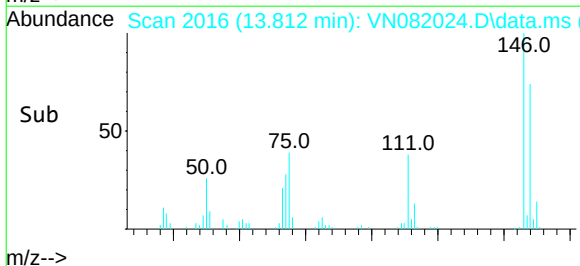
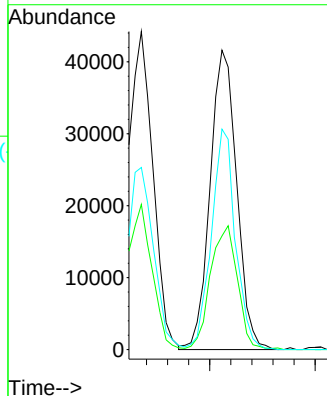
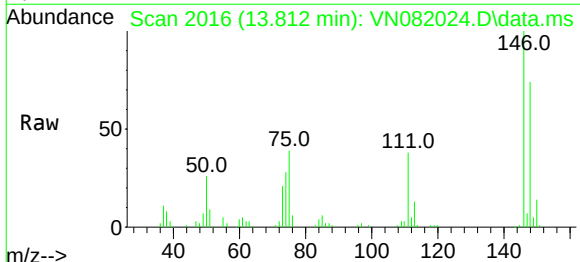
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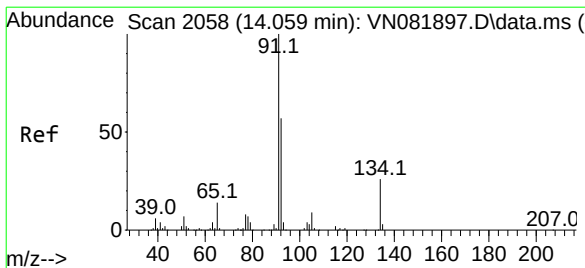
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#84
1,4-Dichlorobenzene
Concen: 18.594 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.9
148	66.6	31.9	95.5





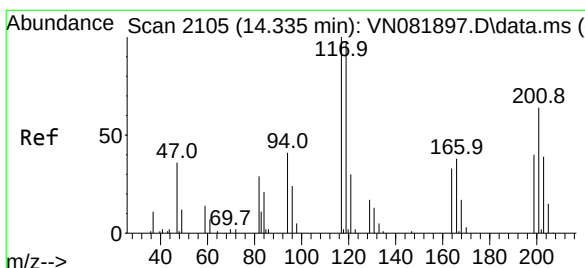
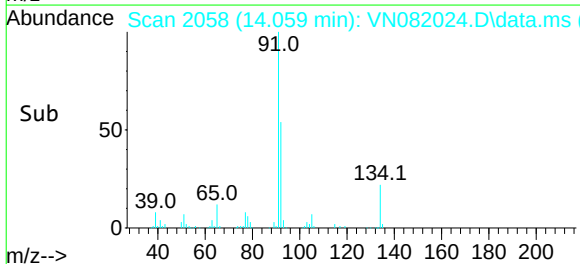
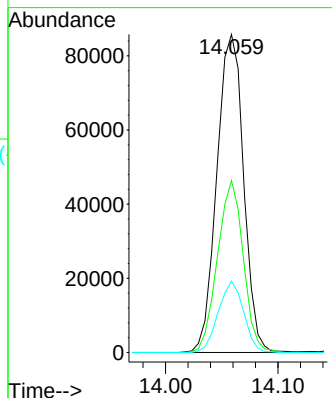
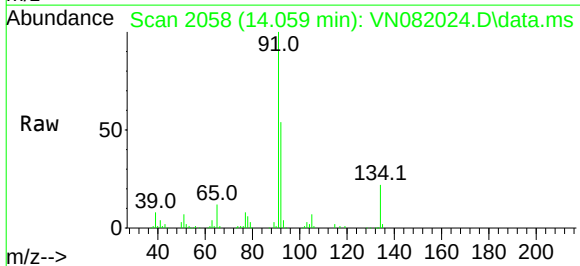
#85
n-Butylbenzene
Concen: 19.824 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 141614
Ion Ratio Lower Upper
91 100
92 52.1 0.0 105.0
134 21.2 0.0 51.8

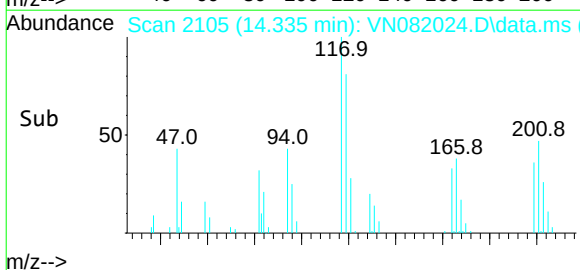
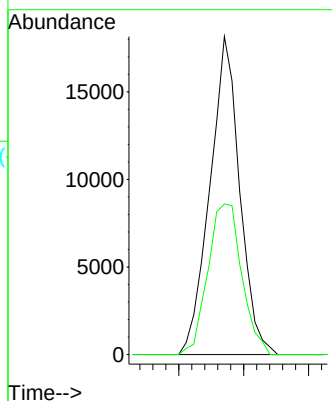
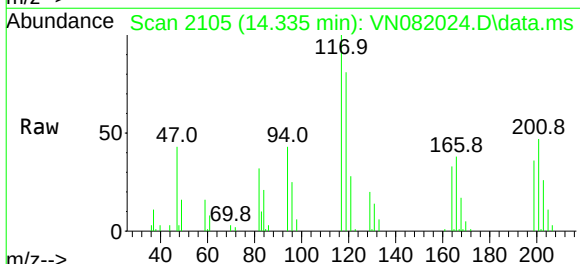
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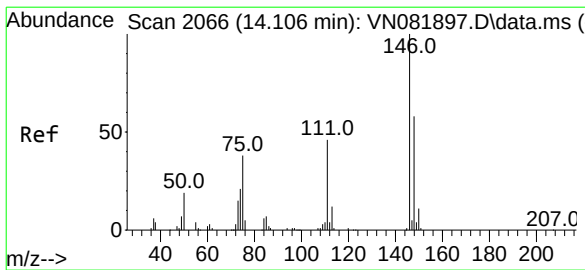
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#86
Hexachloroethane
Concen: 18.565 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:117 Resp: 28949
Ion Ratio Lower Upper
117 100
201 53.9 38.0 114.0





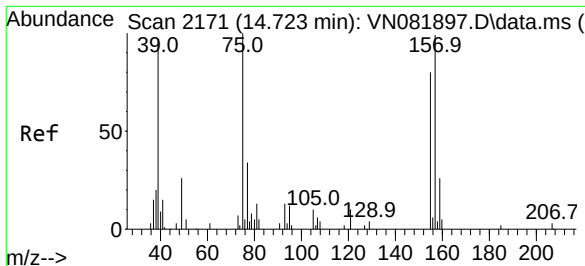
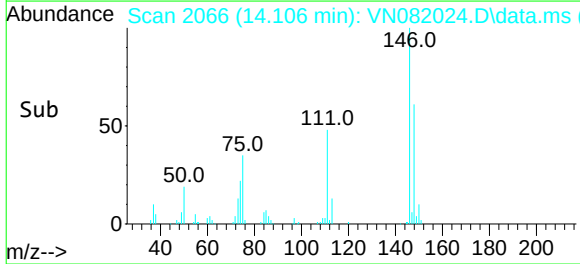
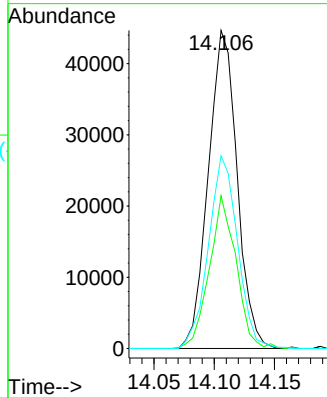
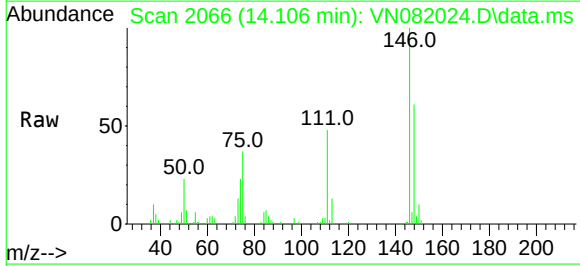
#87
1,2-Dichlorobenzene
Concen: 19.131 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.6	67.8
148	61.3	31.3	93.8

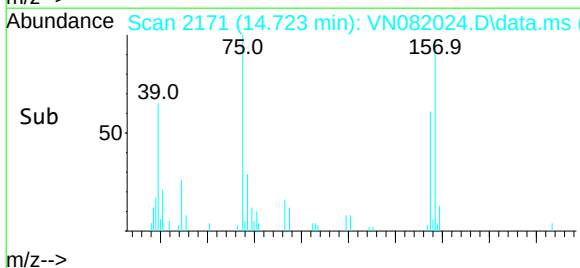
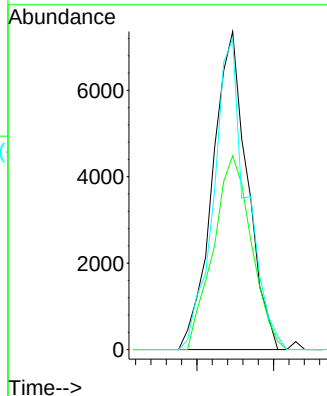
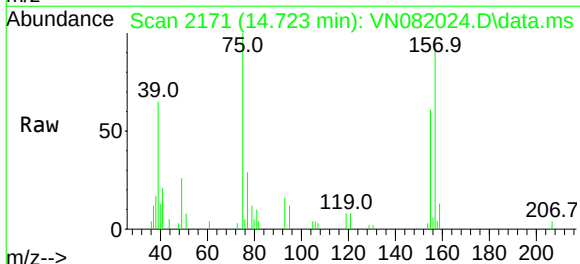
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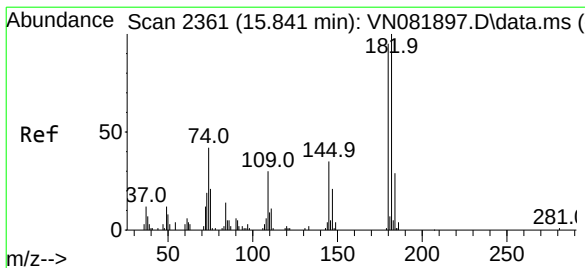
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.719 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.8	61.7	92.5
157	92.9	83.6	125.4





#89

1,2,4-Trichlorobenzene

Concen: 17.082 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

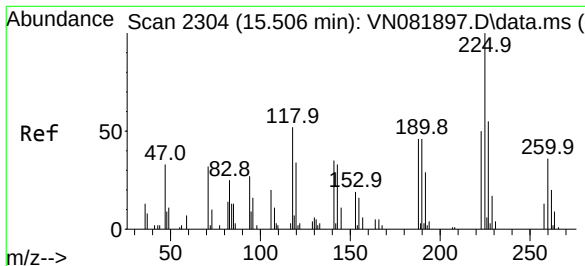
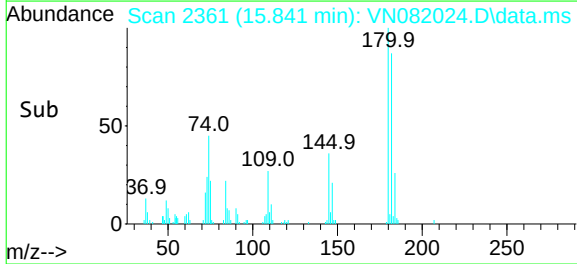
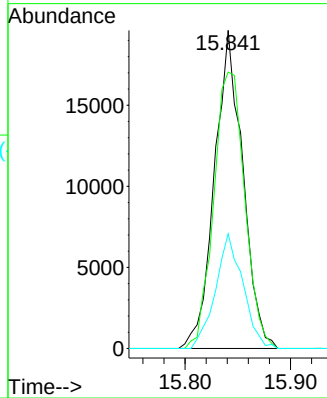
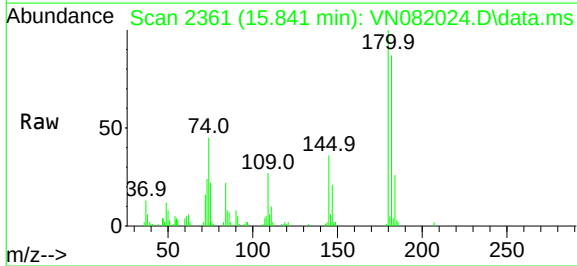
Tgt Ion:	180	Resp:	36556
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.4	114.6
145	34.9	28.4	42.6

Manual Integrations

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Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#90

Hexachlorobutadiene

Concen: 15.062 ug/l

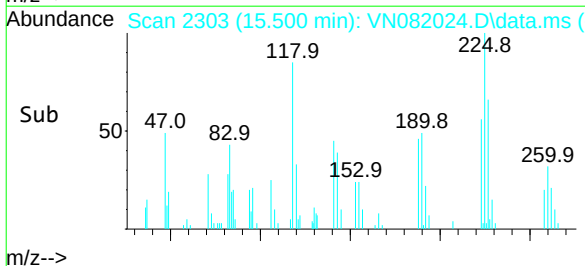
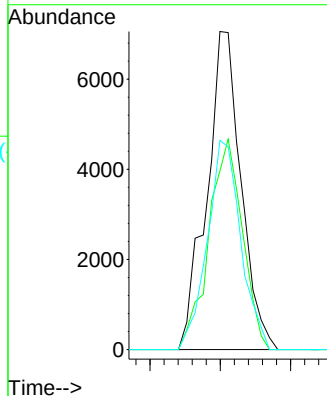
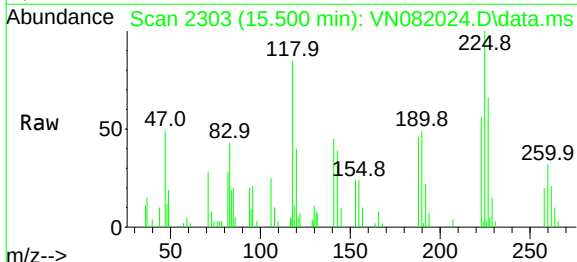
RT: 15.500 min Scan# 2303

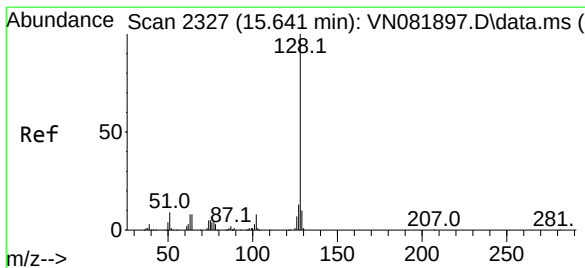
Delta R.T. -0.006 min

Lab File: VN082024.D

Acq: 08 May 2024 09:33

Tgt Ion:	225	Resp:	11938
Ion Ratio	Lower	Upper	
225	100		
223	64.9	0.0	126.6
227	64.2	0.0	126.6





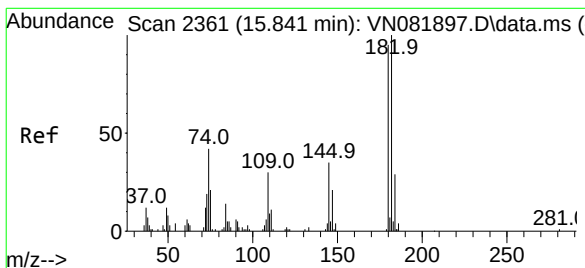
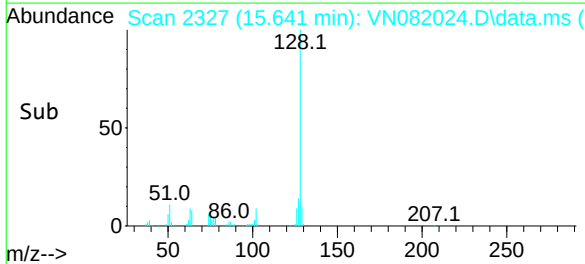
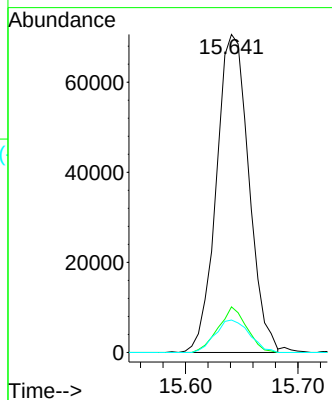
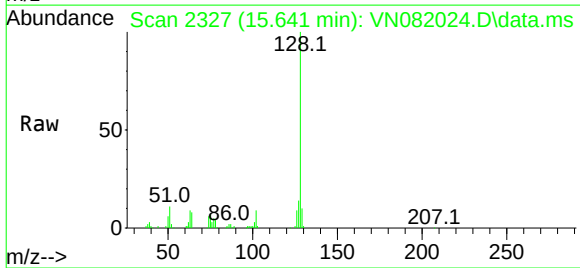
#91
Naphthalene
Concen: 17.393 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 141494
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 10.8 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 17.082 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN082024.D
Acq: 08 May 2024 09:33

Tgt Ion:180 Resp: 36556
Ion Ratio Lower Upper
180 100
182 95.4 0.0 191.0
145 34.9 0.0 71.0

