

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084867.D
 Acq On : 15 Nov 2024 13:49
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2024
 Supervised By : Mahesh Dadoda 11/18/2024

Quant Time: Nov 15 22:22:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	29205	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	143711	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	129619	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	70731	30.125	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.433%			
60) 4-Bromofluorobenzene	12.847	95	67980	30.459	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.533%			
63) Toluene-d8	10.565	98	186361	30.371	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.233%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	30924	18.205	ug/l	97
3) Chloromethane	2.359	50	40318	19.714	ug/l	95
4) Vinyl Chloride	2.512	62	39327	20.709	ug/l	96
5) Bromomethane	2.901	94	21252	22.048	ug/l	96
6) Chloroethane	3.071	64	25906	20.777	ug/l	93
7) Trichlorofluoromethane	3.459	101	58770	19.056	ug/l	96
8) Diethyl Ether	3.953	74	19904	18.093	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	30359	17.418	ug/l	95
10) 1,1-Dichloroethene	4.324	96	29493	17.328	ug/l	95
11) Methyl Iodide	4.577	142	45562	19.477	ug/l	86
12) Methyl Acetate	5.018	43	43060	16.231	ug/l	98
13) Acrolein	4.171	56	32698	99.945	ug/l	97
14) Acrylonitrile	5.718	53	81966	94.441	ug/l	99
15) Acetone	4.424	58	21488	96.356	ug/l	92
16) Carbon Disulfide	4.695	76	83450	16.663	ug/l #	94
17) Allyl chloride	5.012	41	44622	15.386	ug/l	99
18) Methylene Chloride	5.265	84	37063	18.583	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	31190	17.483	ug/l	95
20) Diisopropyl ether	6.665	45	105073	18.098	ug/l	94
21) 1,1-Dichloroethane	6.559	63	63631	18.225	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	37746	17.722	ug/l	97
23) tert-Butyl Alcohol	5.536	59	25733m	84.928	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	103968	18.889	ug/l	99
25) Chloroform	7.965	83	66394	18.560	ug/l	97
26) Cyclohexane	8.253	56	41700	15.636	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	38880	17.962	ug/l	97
30) 2-Butanone	7.483	43	105293	105.453	ug/l	97
31) 2,2-Dichloropropane	7.489	77	51247	19.395	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	57719	19.627	ug/l	99
33) Carbon Tetrachloride	8.359	117	49987	19.920	ug/l	96
34) Benzene	8.600	78	139735	19.530	ug/l	99
35) Methacrylonitrile	7.777	41	23718	20.042	ug/l	95
36) 1,2-Dichloroethane	8.665	62	50527	21.236	ug/l	99
37) Trichloroethene	9.347	130	30042	18.613	ug/l	98
38) Methylcyclohexane	9.600	83	38328	16.448	ug/l	95
39) 1,2-Dichloropropane	9.618	63	34615	20.098	ug/l	95
40) Dibromomethane	9.706	93	25281	20.982	ug/l	96
41) Bromodichloromethane	9.888	83	51091	19.780	ug/l	100
42) Vinyl Acetate	6.600	43	353820	94.802	ug/l	98

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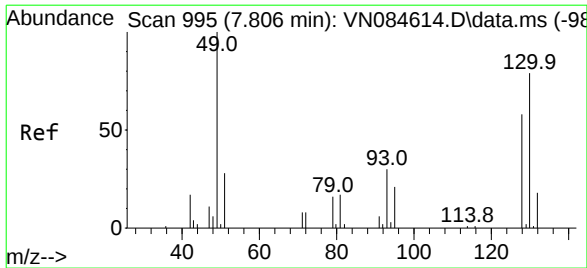
Manual Integrations
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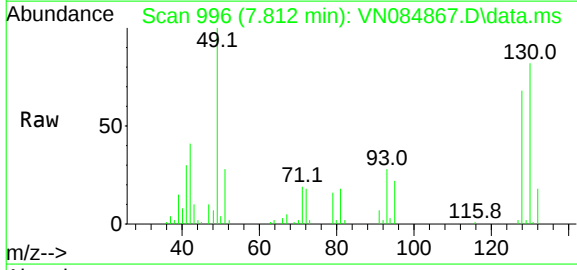
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	43215	20.598	ug/l	99
44) Isopropyl Acetate	8.683	43	76147	17.924	ug/l	96
45) 1,4-Dioxane	9.694	88	11581	408.313	ug/l	98
46) Methyl methacrylate	9.677	41	31598	18.508	ug/l	93
47) n-amyl Acetate	12.494	43	57999	18.279	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	47064	18.453	ug/l	93
49) cis-1,3-Dichloropropene	10.312	75	53099	19.425	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	33847	20.943	ug/l	93
51) Ethyl methacrylate	10.877	69	47007	18.869	ug/l	93
52) 1,3-Dichloropropane	11.159	76	57997	20.674	ug/l	99
53) Dibromochloromethane	11.359	129	39443	20.855	ug/l	98
54) 1,2-Dibromoethane	11.471	107	34374	21.029	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	129165	105.755	ug/l	98
56) Bromoform	12.576	173	26019	20.524	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	217184	106.208	ug/l	97
59) 2-Hexanone	11.194	43	157051	104.883	ug/l	99
61) Tetrachloroethene	11.100	164	26787	19.746	ug/l	95
62) Toluene	10.630	91	143824	19.481	ug/l	99
64) Chlorobenzene	11.888	112	88491	19.855	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	33876	20.682	ug/l	98
66) Ethyl Benzene	11.965	91	140773	18.144	ug/l	95
67) m/p-Xylenes	12.071	106	112700	37.941	ug/l	99
68) o-Xylene	12.394	106	54333	18.962	ug/l	95
69) Styrene	12.412	104	92272	19.206	ug/l	99
70) Isopropylbenzene	12.694	105	132744	18.649	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	50764	22.003	ug/l	95
72) 1,2,3-Trichloropropane	12.994	75	46309m	23.507	ug/l	
73) Bromobenzene	12.976	156	35881	19.545	ug/l	97
74) n-propylbenzene	13.035	91	154569	18.570	ug/l	100
75) 2-Chlorotoluene	13.123	91	100115	18.470	ug/l	96
76) 1,3,5-Trimethylbenzene	13.171	105	117170	19.266	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	15759	19.504	ug/l	92
78) 4-Chlorotoluene	13.218	91	100452	18.342	ug/l	99
79) tert-butylbenzene	13.435	119	93698	18.630	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	117990	19.231	ug/l	98
81) sec-Butylbenzene	13.618	105	126560	18.262	ug/l	98
82) p-Isopropyltoluene	13.729	119	106151	18.229	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	64615	19.031	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	62132	18.520	ug/l	99
85) n-Butylbenzene	14.053	91	79989	16.355	ug/l	97
86) Hexachloroethane	14.329	117	22330	18.750	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	64917	19.403	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.712	75	9097	20.435	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	29223	17.939	ug/l	91
90) Hexachlorobutadiene	15.500	225	14544	20.439	ug/l	99
91) Naphthalene	15.641	128	90833	17.460	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	29223	17.939	ug/l	91

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 995
Delta R.T. 0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

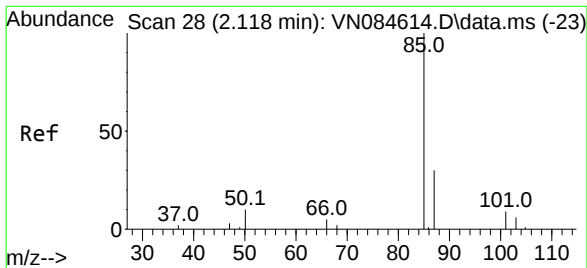
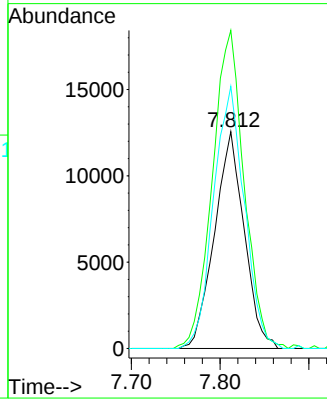
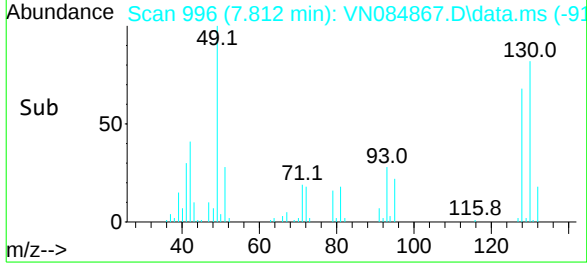
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 128 Resp: 29205
Ion Ratio Lower Upper
128 100
49 156.6 0.0 427.0
130 125.9 0.0 322.2

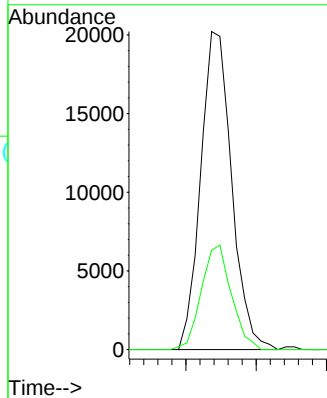
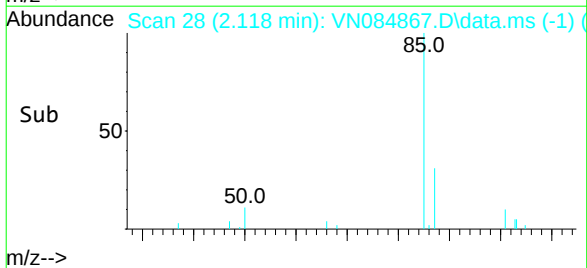
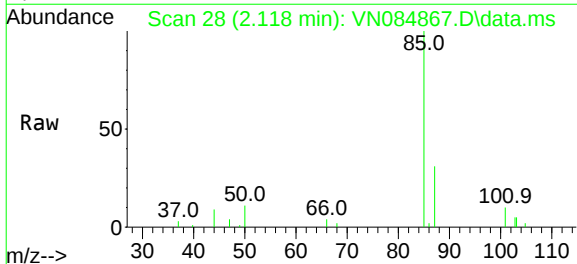
Manual Integrations
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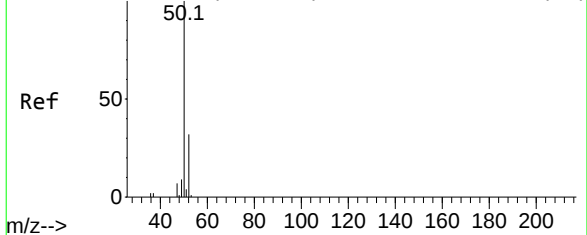


#2
Dichlorodifluoromethane
Concen: 18.205 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 85 Resp: 30924
Ion Ratio Lower Upper
85 100
87 31.3 14.9 44.9



Abundance Scan 69 (2.359 min): VN084614.D\data.ms (-62)



#3

Chloromethane

Concen: 19.714 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 40318

Ion Ratio Lower Upper

50 100

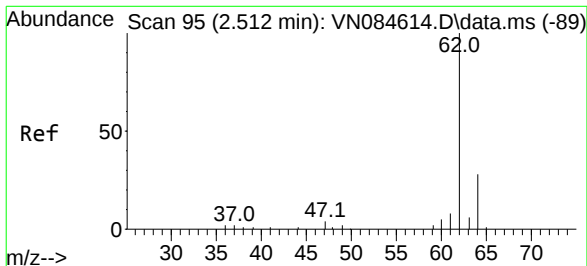
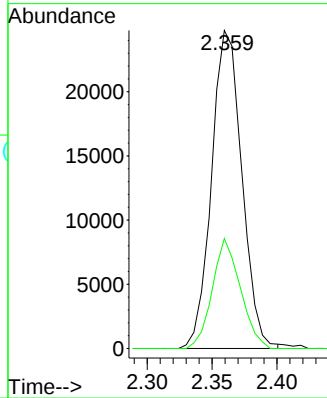
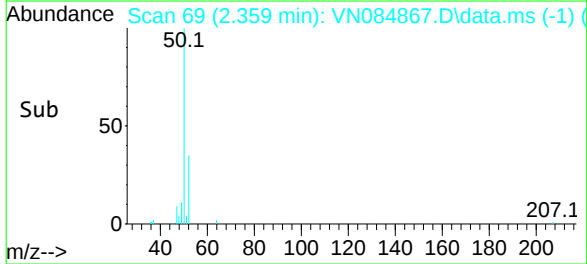
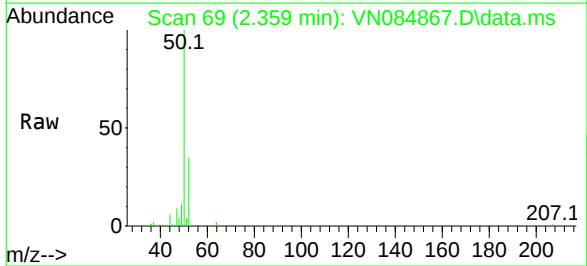
52 34.6 25.5 38.3

Manual Integrations

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Supervised By :Mahesh Dadoda 11/18/2024



#4

Vinyl Chloride

Concen: 20.709 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN084867.D

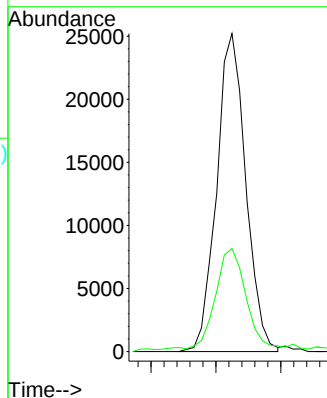
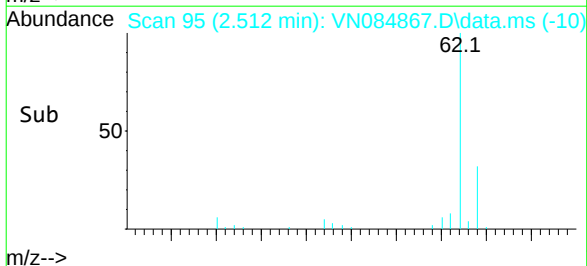
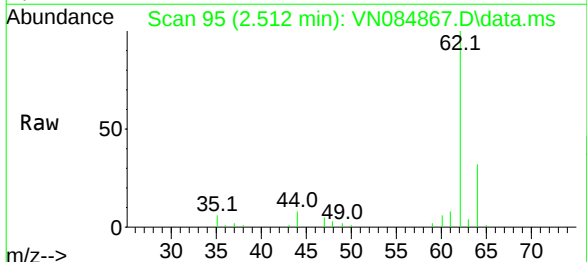
Acq: 15 Nov 2024 13:49

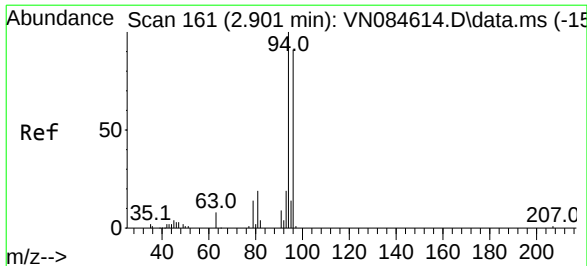
Tgt Ion: 62 Resp: 39327

Ion Ratio Lower Upper

62 100

64 31.1 23.1 34.7





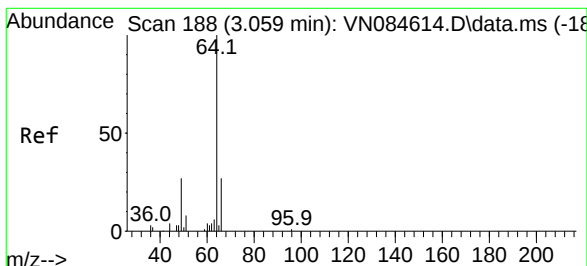
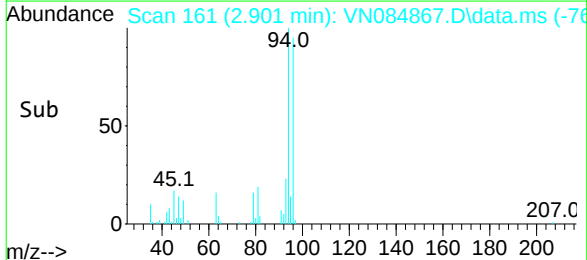
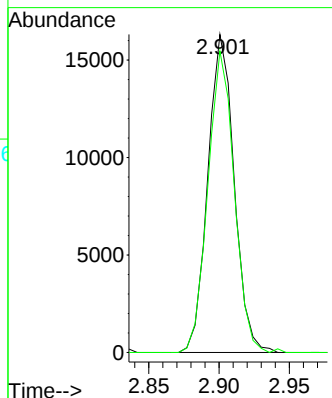
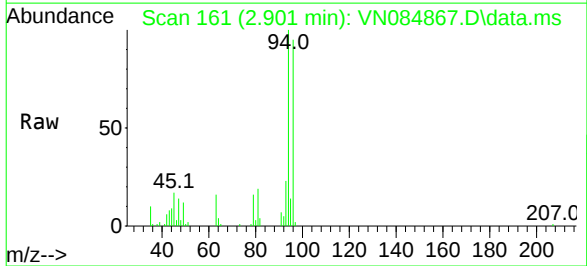
#5
Bromomethane
Concen: 22.048 ug/l
RT: 2.901 min Scan# 161
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 21252
Ion Ratio Lower Upper
94 100
96 94.8 72.7 109.1

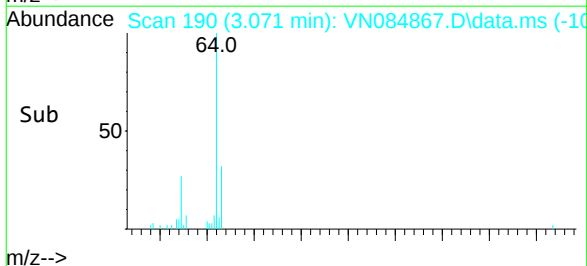
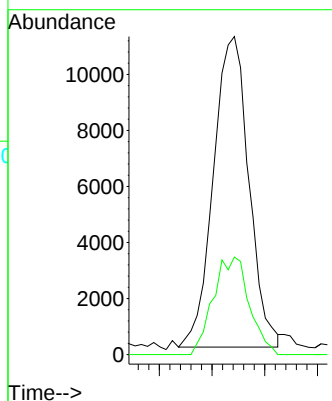
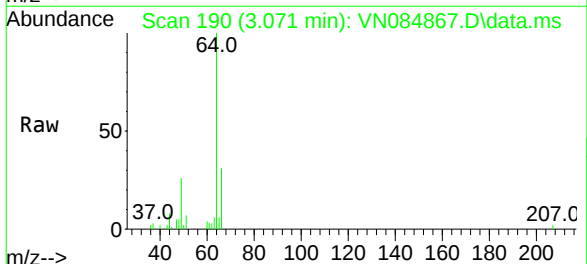
Manual Integrations
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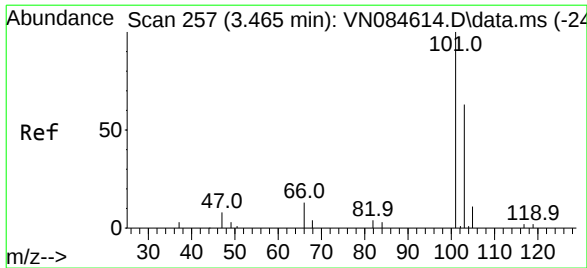
Reviewed By :John Carlone 11/17/2024
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#6
Chloroethane
Concen: 20.777 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.012 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 64 Resp: 25906
Ion Ratio Lower Upper
64 100
66 31.4 22.1 33.1





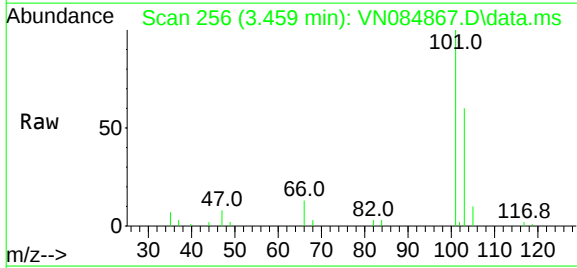
#7
 Trichlorofluoromethane
 Concen: 19.056 ug/l
 RT: 3.459 min Scan# 257
 Delta R.T. -0.006 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

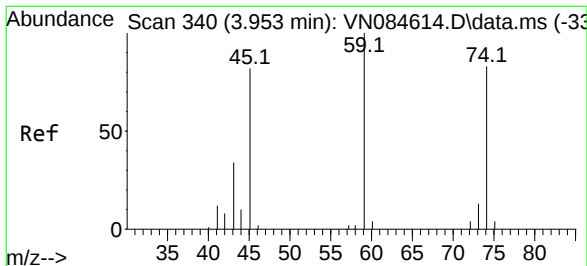
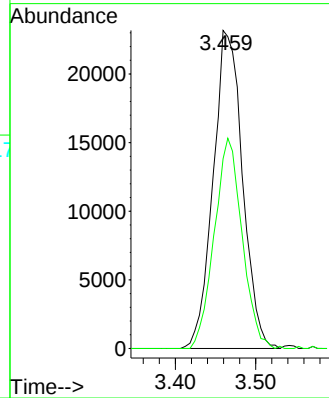
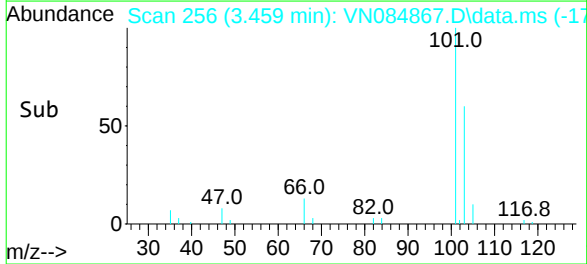
VSTDCCC020



Tgt Ion:101 Resp: 58770
 Ion Ratio Lower Upper
 101 100
 103 59.6 50.1 75.1

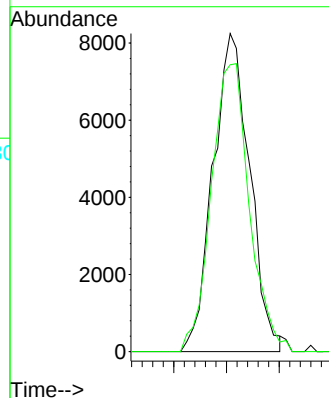
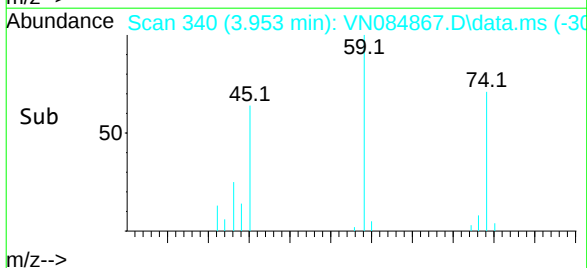
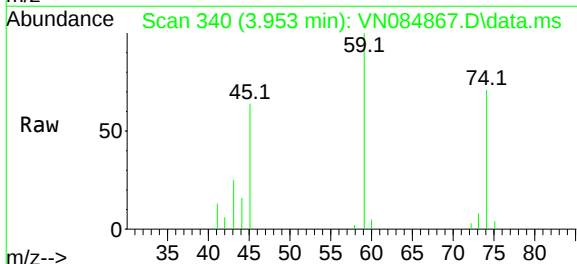
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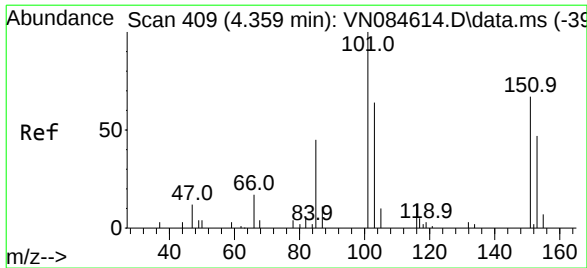
Reviewed By :John Carlone 11/17/2024
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#8
 Diethyl Ether
 Concen: 18.093 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

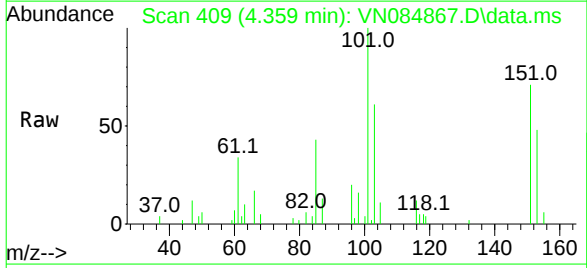
Tgt Ion: 74 Resp: 19904
 Ion Ratio Lower Upper
 74 100
 45 93.9 19.8 178.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.418 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN084867.D
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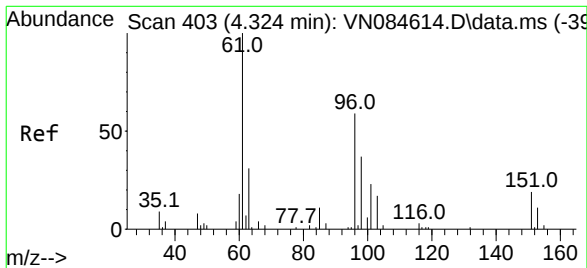
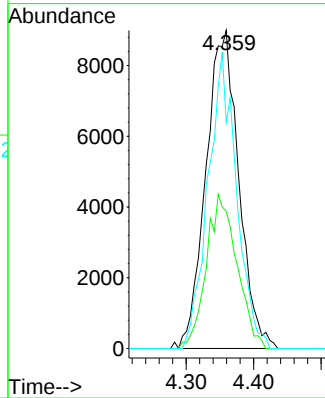
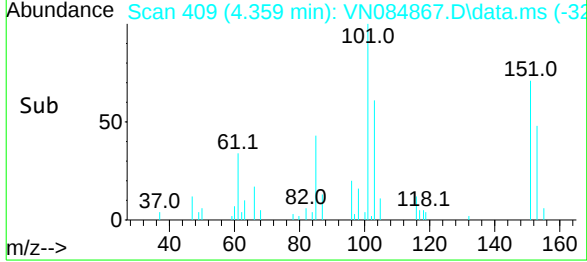
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VSTDCCC020



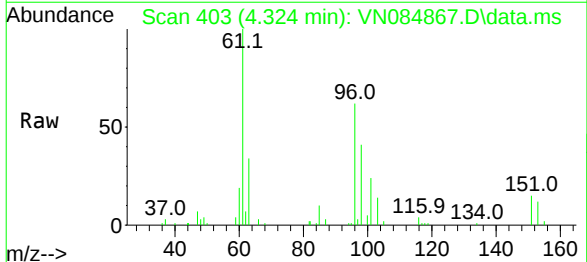
Tgt Ion: 101 Resp: 30359
Ion Ratio Lower Upper
101 100
85 45.2 0.0 89.6
151 80.9 0.0 149.4

Manual Integrations
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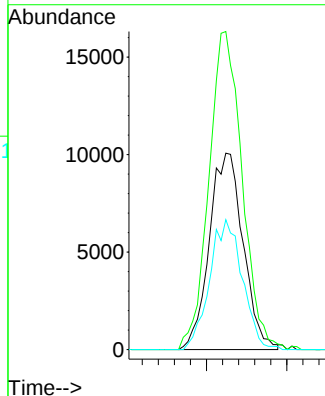
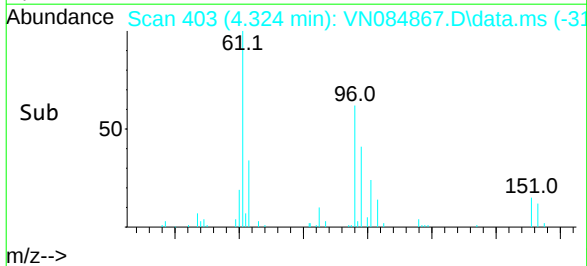
Reviewed By : John Carlone 11/17/2024
Supervised By : Mahesh Dadoda 11/18/2024

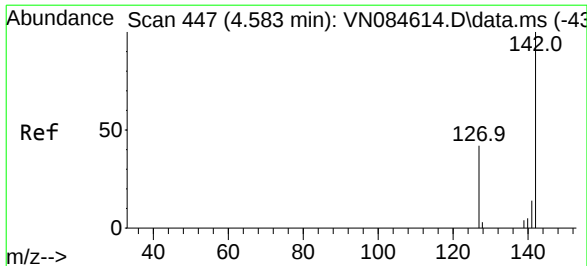


#10
1,1-Dichloroethene
Concen: 17.328 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49



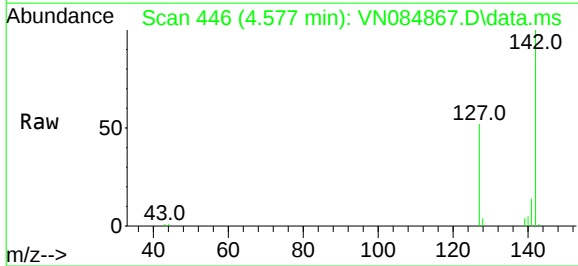
Tgt Ion: 96 Resp: 29493
Ion Ratio Lower Upper
96 100
61 161.9 135.1 202.7
98 66.1 50.4 75.6





#11
Methyl Iodide
Concen: 19.477 ug/l
RT: 4.577 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

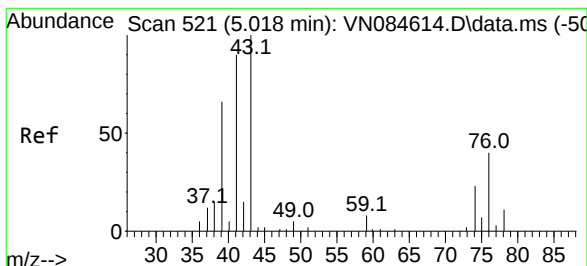
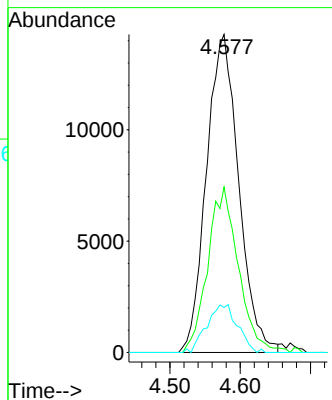
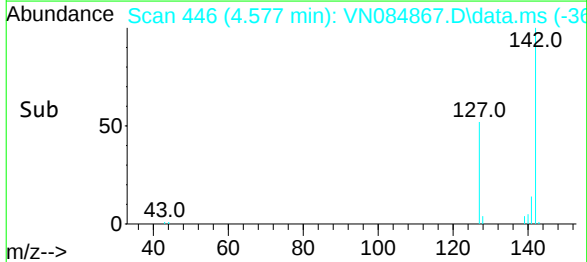
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 142 Resp: 45562
Ion Ratio Lower Upper
142 100
127 51.9 20.3 60.9
141 14.3 6.9 20.7

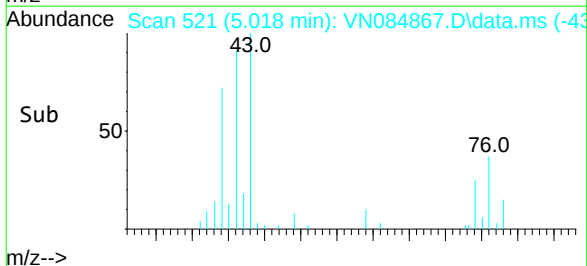
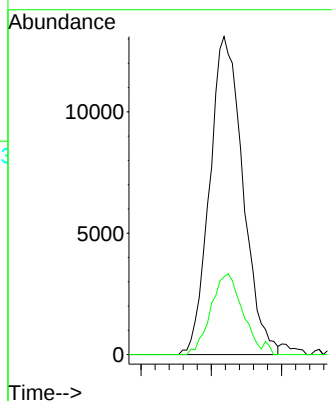
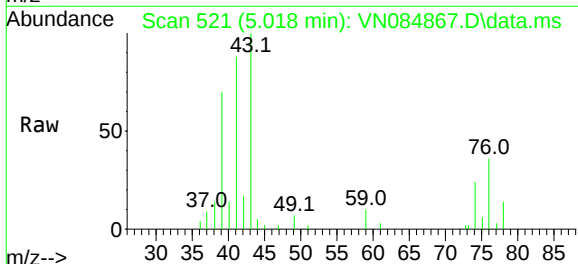
Manual Integrations
APPROVED

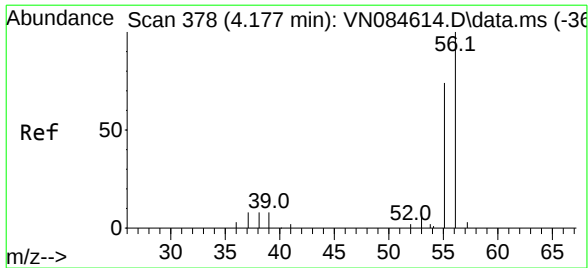
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#12
Methyl Acetate
Concen: 16.231 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 43 Resp: 43060
Ion Ratio Lower Upper
43 100
74 24.8 19.0 28.4





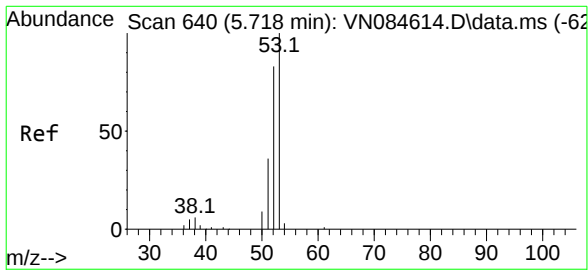
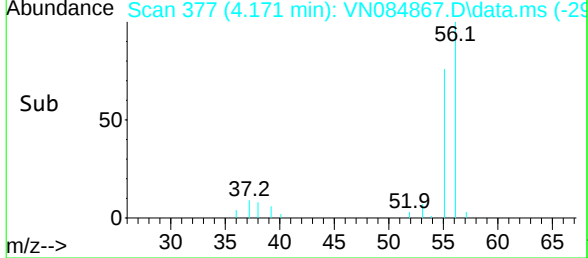
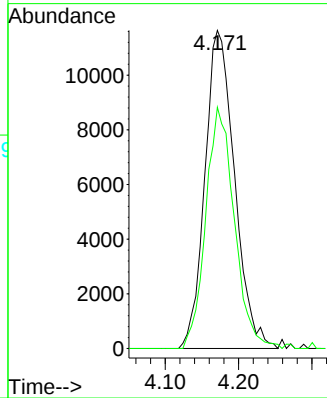
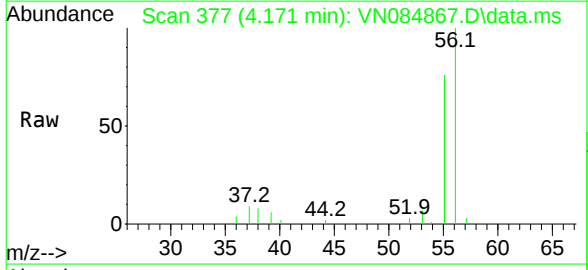
#13
Acrolein
Concen: 99.945 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 32698
Ion Ratio Lower Upper
56 100
55 73.1 56.7 85.1

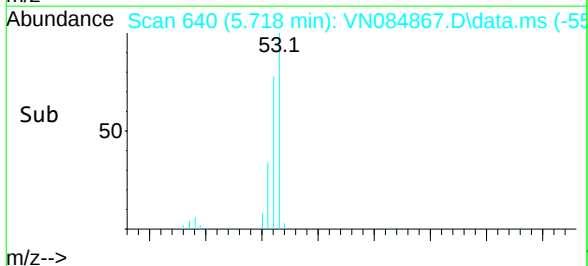
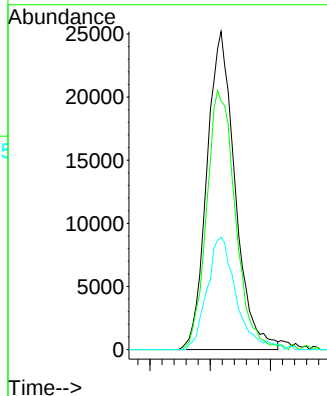
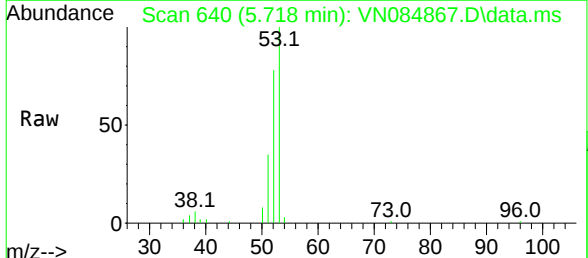
Manual Integrations
APPROVED

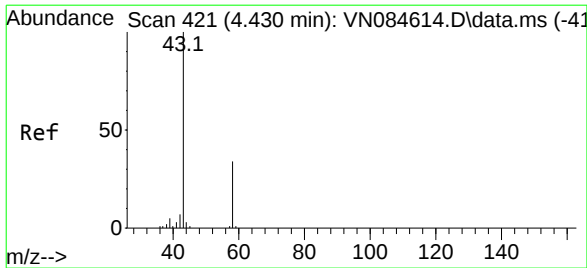
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#14
Acrylonitrile
Concen: 94.441 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 53 Resp: 81966
Ion Ratio Lower Upper
53 100
52 82.6 41.6 124.9
51 35.4 18.2 54.6





#15

Acetone

Concen: 96.356 ug/l

RT: 4.424 min Scan# 421

Delta R.T. -0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 21488

Ion Ratio Lower Upper

58 100

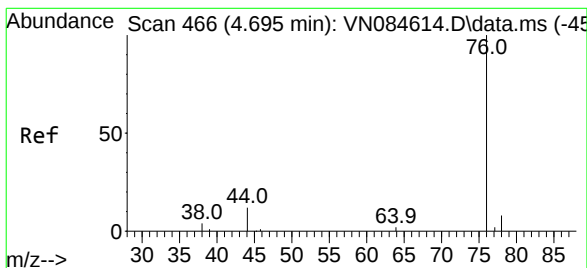
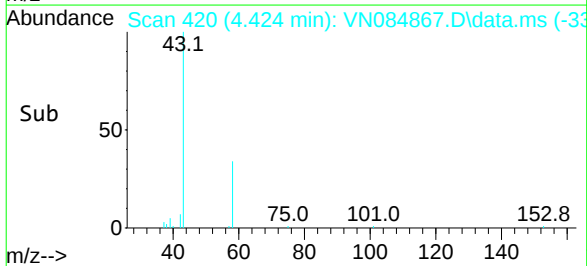
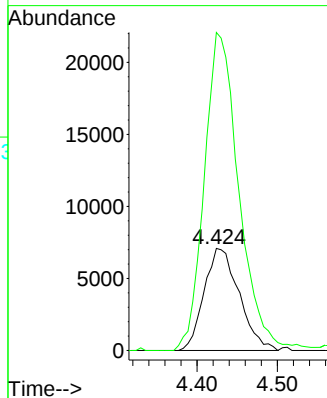
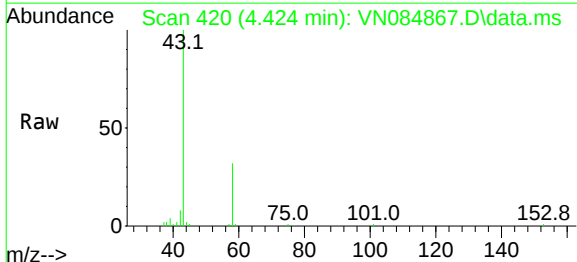
43 306.7 233.0 349.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#16

Carbon Disulfide

Concen: 16.663 ug/l

RT: 4.695 min Scan# 466

Delta R.T. 0.000 min

Lab File: VN084867.D

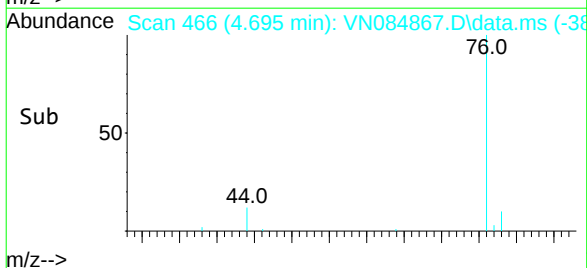
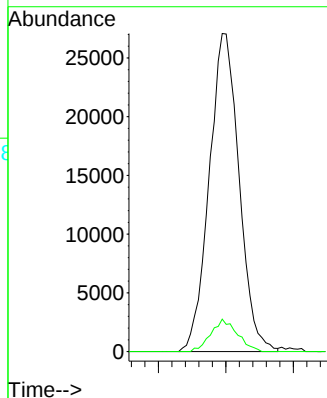
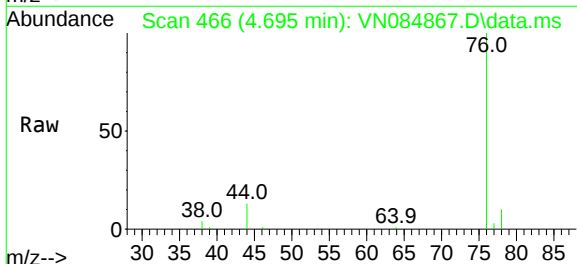
Acq: 15 Nov 2024 13:49

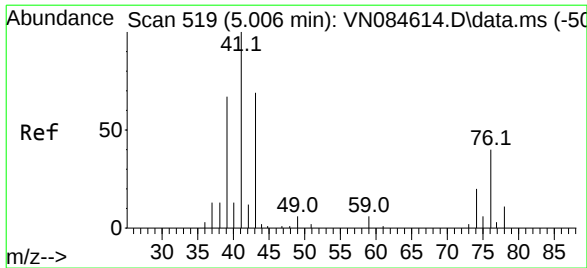
Tgt Ion: 76 Resp: 83450

Ion Ratio Lower Upper

76 100

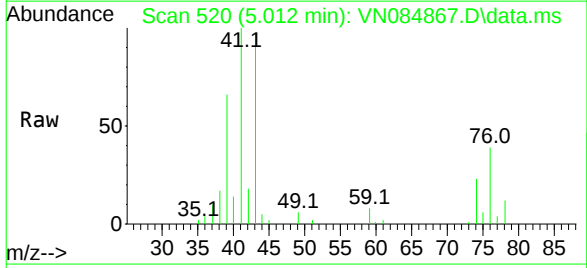
78 10.2 6.6 9.8#





#17
Allyl chloride
Concen: 15.386 ug/l
RT: 5.012 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

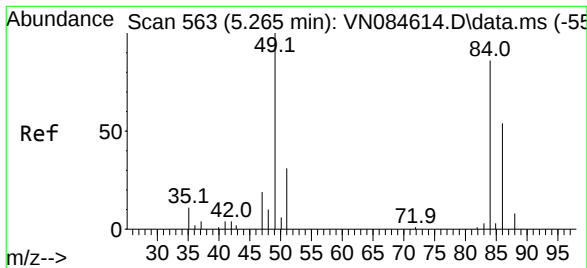
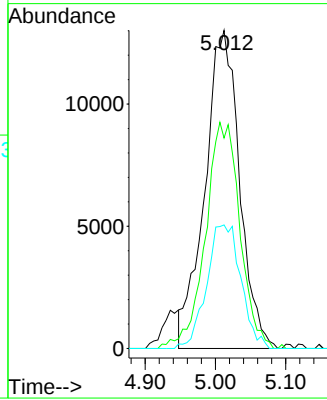
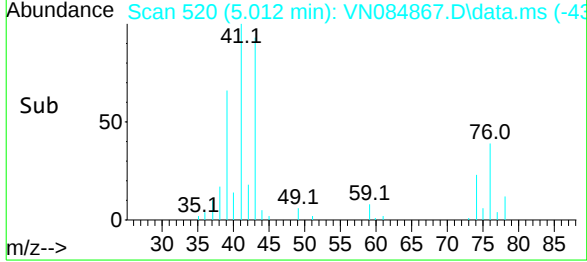
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



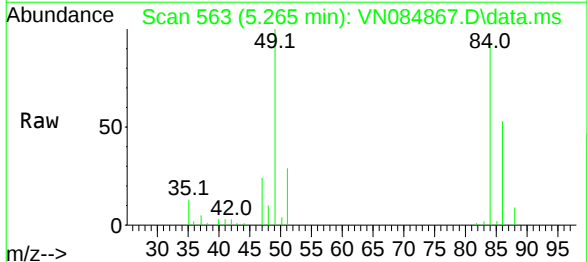
Tgt Ion: 41 Resp: 44622
Ion Ratio Lower Upper
41 100
39 66.2 33.4 100.2
76 38.9 20.2 60.6

Manual Integrations
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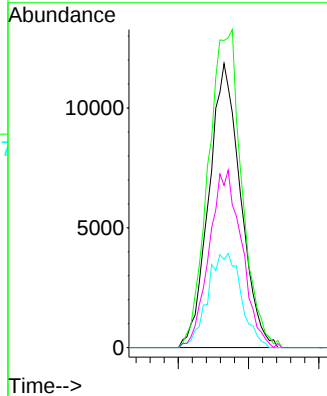
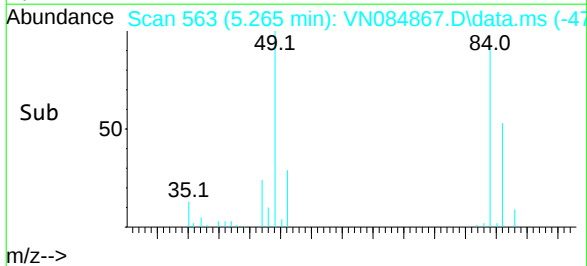
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024

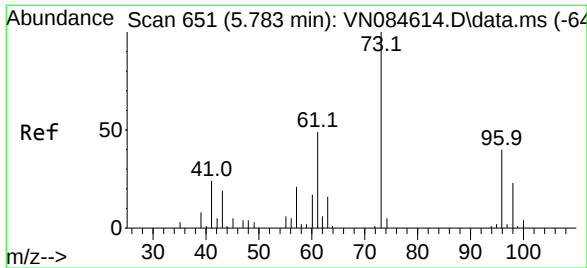


#18
Methylene Chloride
Concen: 18.583 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49



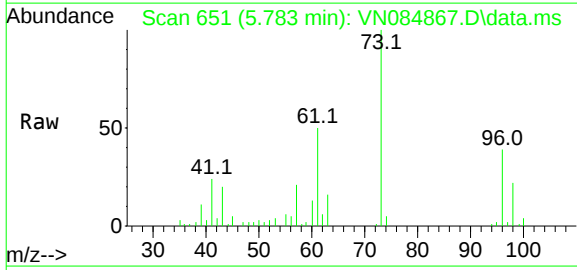
Tgt Ion: 84 Resp: 37063
Ion Ratio Lower Upper
84 100
49 108.1 93.0 139.6
51 31.0 28.9 43.3
86 57.1 50.6 76.0





#19
trans-1,2-Dichloroethene
Concen: 17.483 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

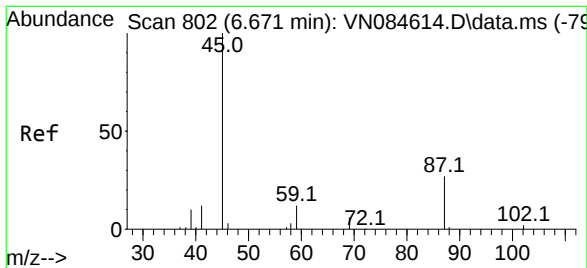
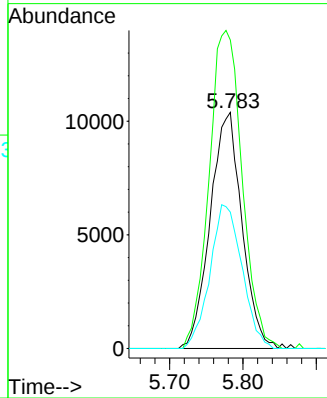
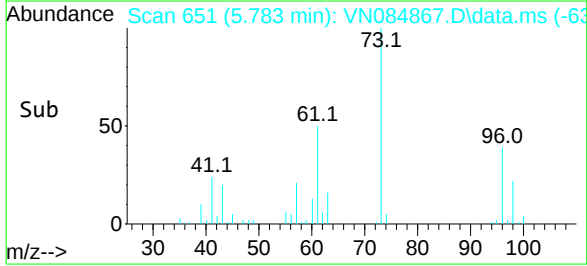
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 31190
Ion Ratio Lower Upper
96 100
61 130.6 98.1 147.1
98 57.7 46.6 69.8

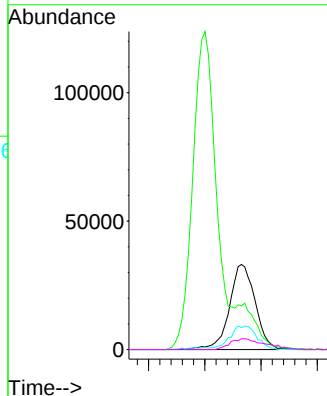
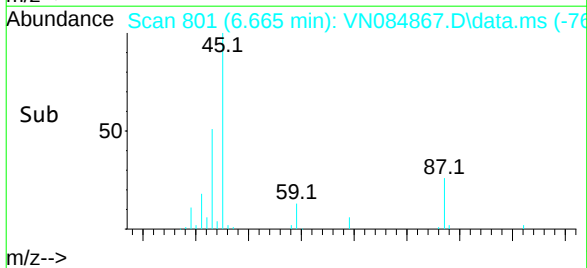
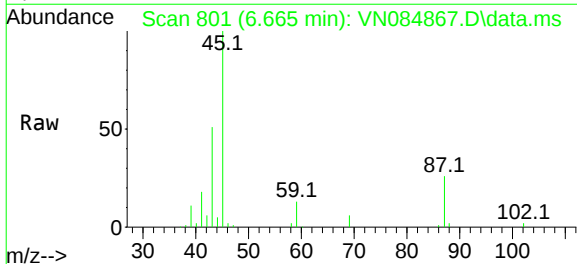
Manual Integrations
APPROVED

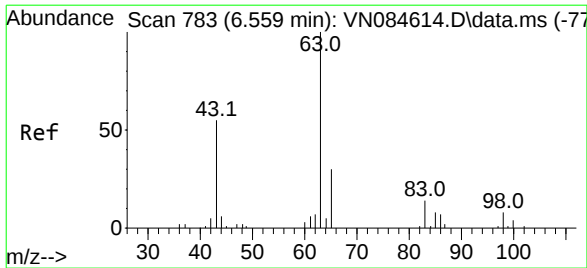
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#20
Diisopropyl ether
Concen: 18.098 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 45 Resp: 105073
Ion Ratio Lower Upper
45 100
43 48.2 42.6 64.0
87 25.8 23.0 34.4
59 12.8 9.4 14.0





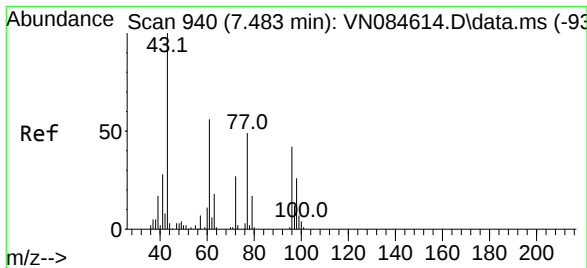
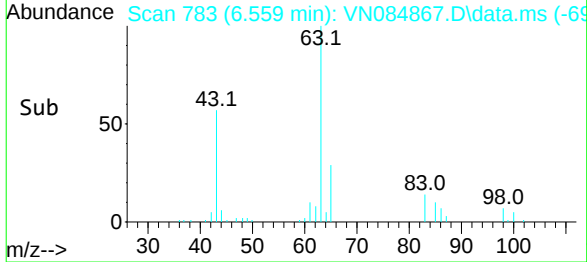
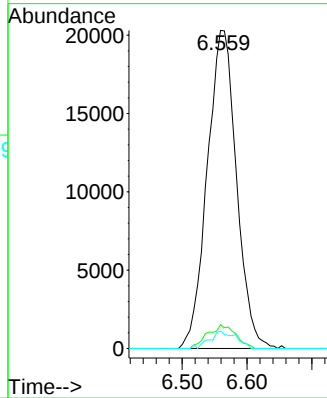
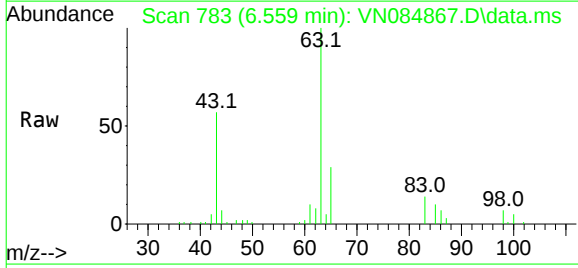
#21
1,1-Dichloroethane
Concen: 18.225 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	63	Resp:	63631
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.4
100	5.5	1.9	5.7

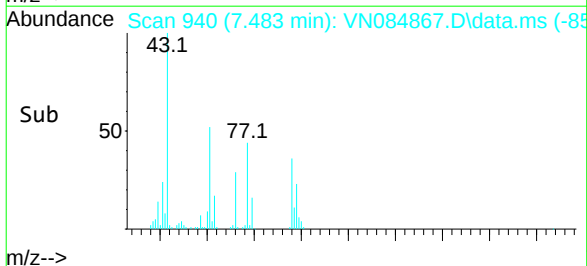
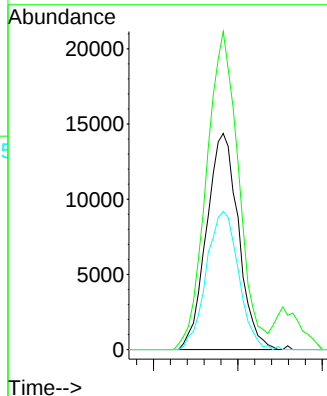
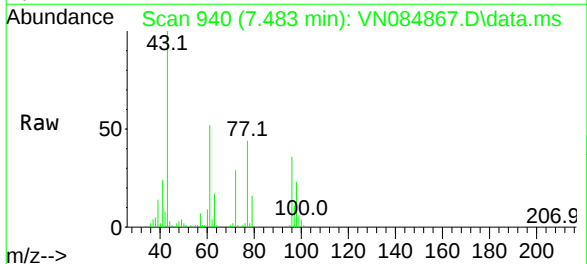
Manual Integrations
APPROVED

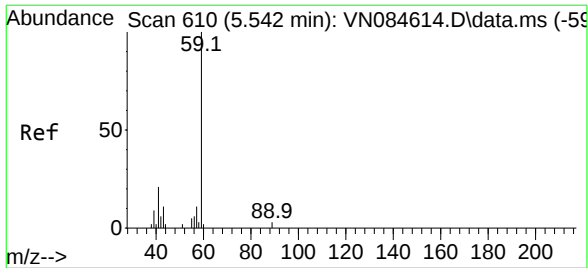
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#22
cis-1,2-Dichloroethene
Concen: 17.722 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:	96	Resp:	37746
Ion	Ratio	Lower	Upper
96	100		
61	148.2	121.8	182.8
98	64.6	53.2	79.8





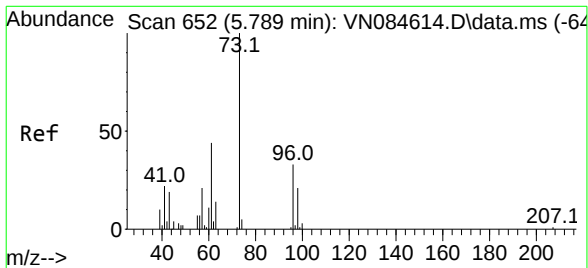
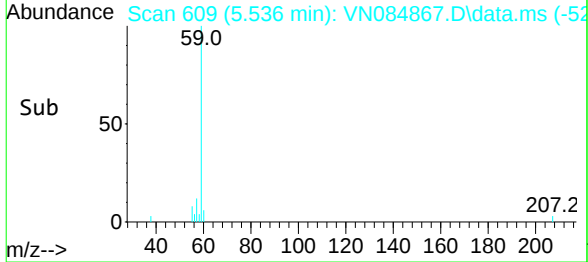
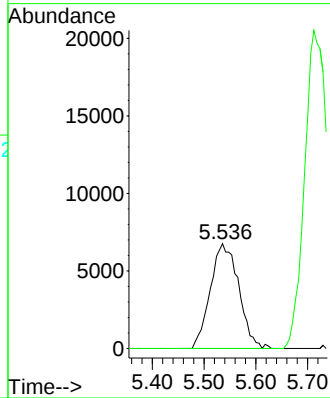
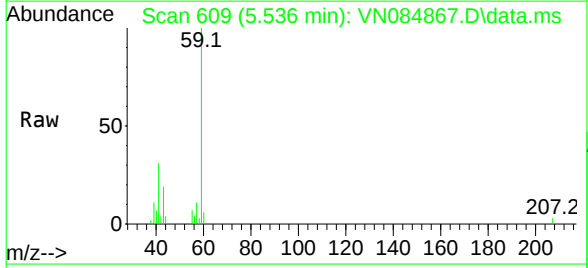
#23
tert-Butyl Alcohol
Concen: 84.928 ug/l m
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 25733
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

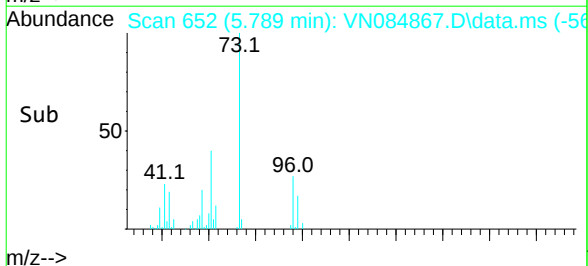
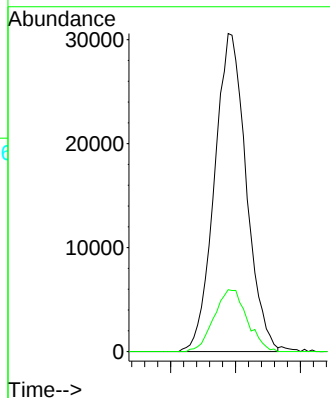
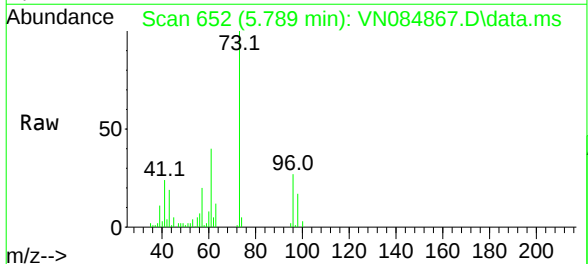
Manual Integrations
APPROVED

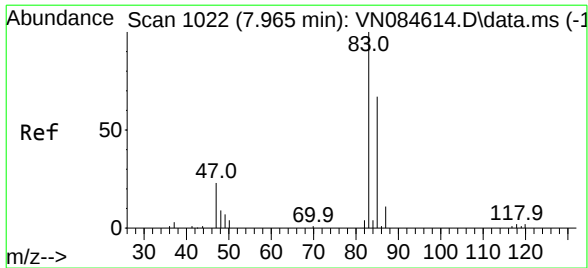
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#24
Methyl tert-Butyl Ether
Concen: 18.889 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 73 Resp: 103968
Ion Ratio Lower Upper
73 100
43 20.2 16.5 24.7





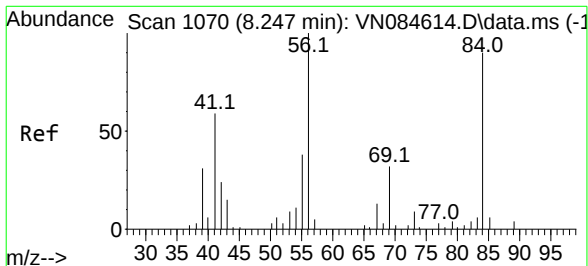
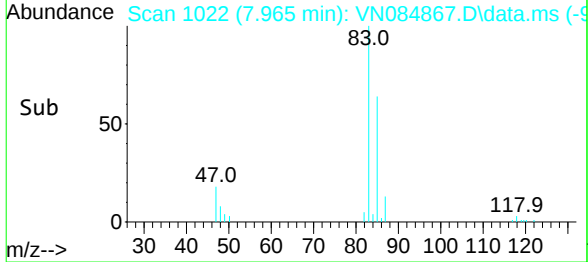
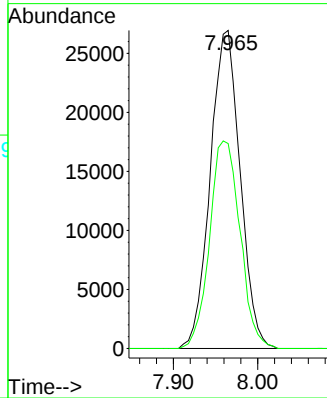
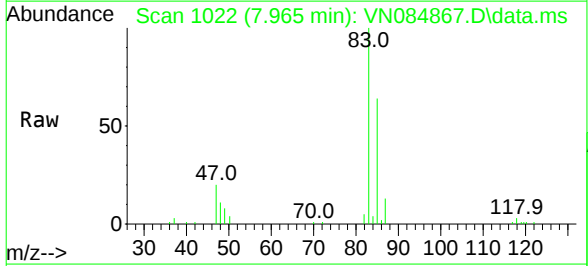
#25
 Chloroform
 Concen: 18.560 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	83	Resp:	66394
Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.4	80.2

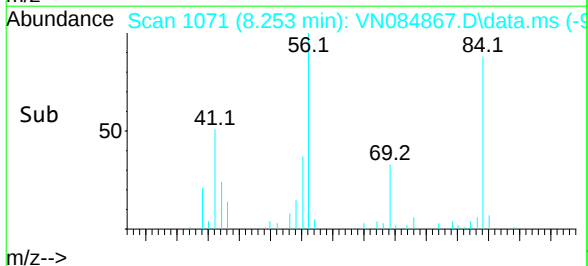
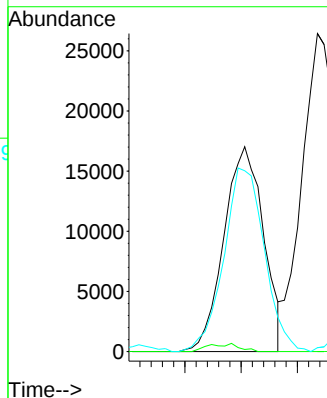
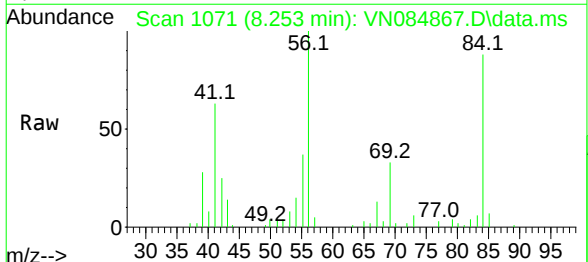
Manual Integrations
 APPROVED

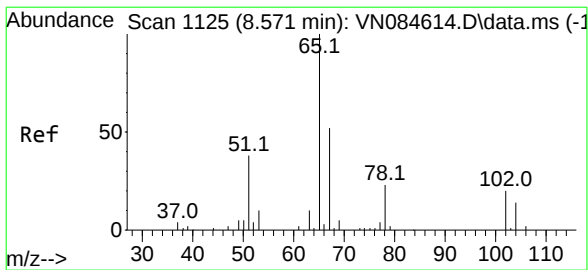
Reviewed By :John Carlone 11/17/2024
 Supervised By :Mahesh Dadoda 11/18/2024



#26
 Cyclohexane
 Concen: 15.636 ug/l
 RT: 8.253 min Scan# 1071
 Delta R.T. 0.006 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Tgt Ion:	56	Resp:	41700
Ion	Ratio	Lower	Upper
56	100		
89	1.2	3.0	4.4
84	91.8	70.6	106.0





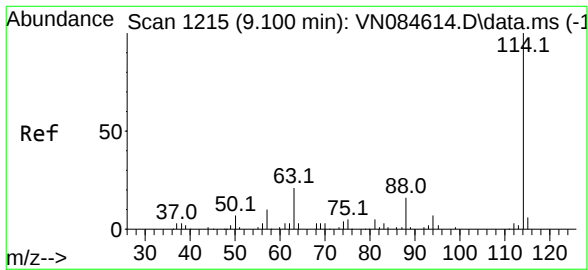
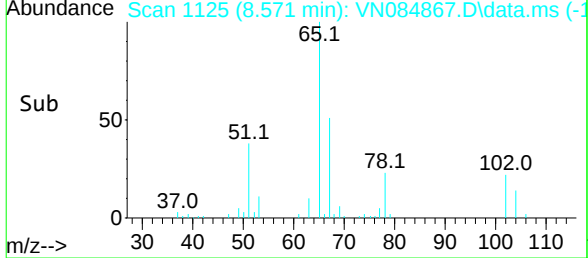
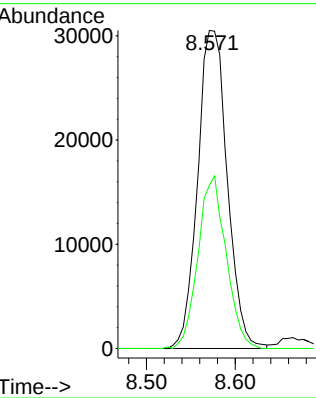
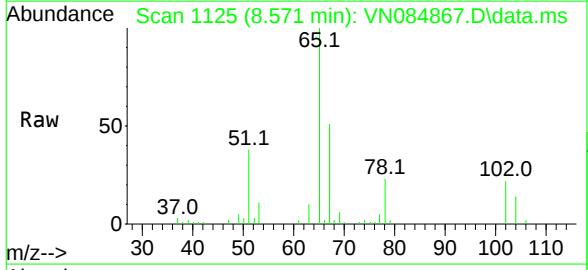
#27
 1,2-Dichloroethane-d4
 Concen: 30.125 ug/l
 RT: 8.571 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	65	Resp:	70731
Ion	Ratio	Lower	Upper
65	100		
67	51.3	40.7	61.1

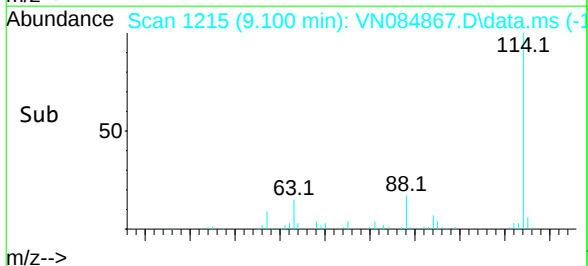
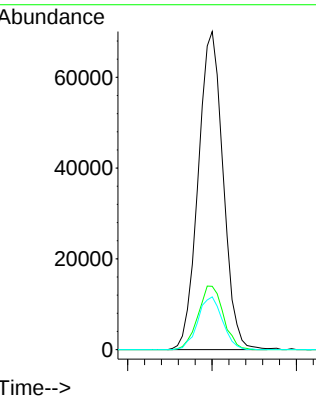
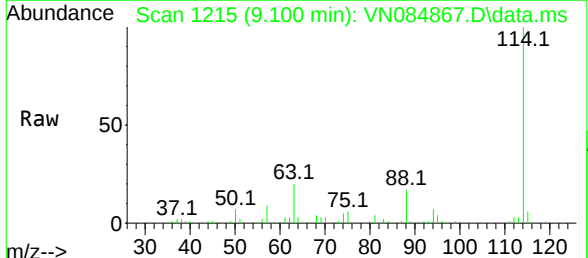
Manual Integrations
APPROVED

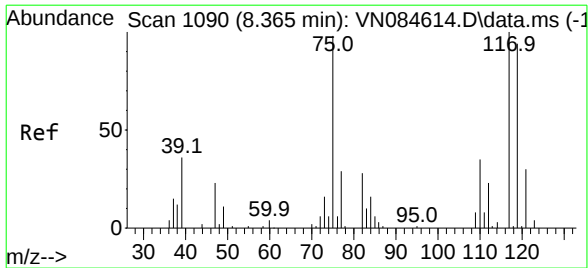
Reviewed By :John Carlone 11/17/2024
 Supervised By :Mahesh Dadoda 11/18/2024



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Tgt Ion:	114	Resp:	143711
Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.8	25.2
88	16.4	12.9	19.3





#29
1,1-Dichloropropene
Concen: 17.962 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

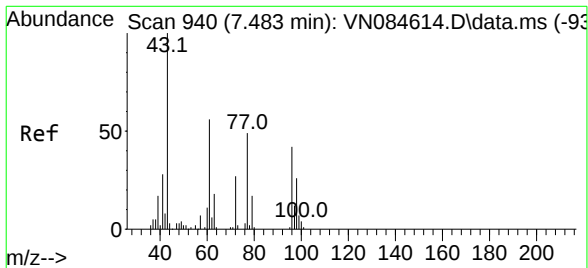
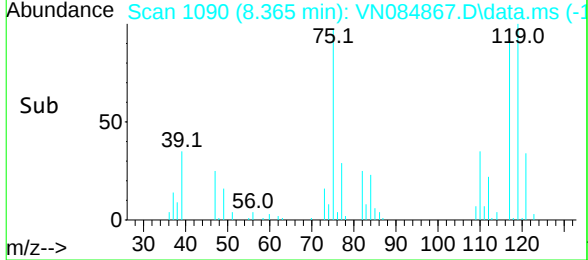
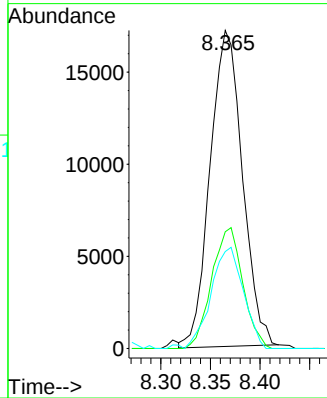
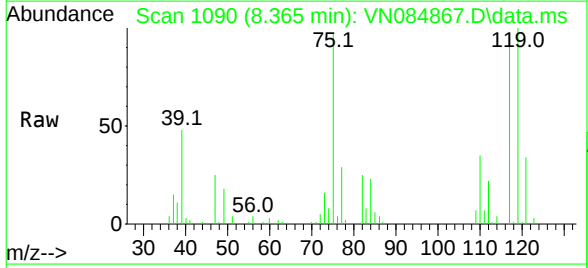
ClientSampleId :

VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	69.4
77	31.9	0.0	62.0

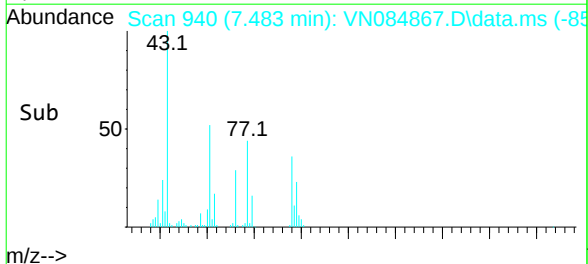
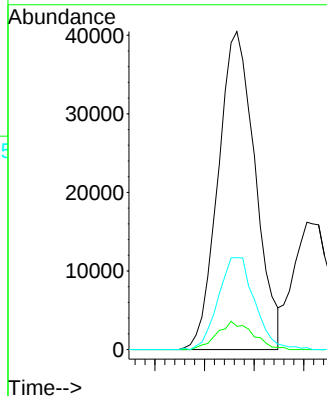
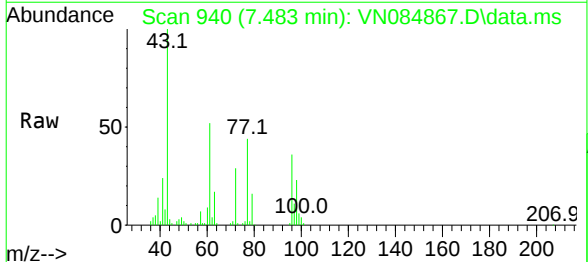
Manual Integrations
APPROVED

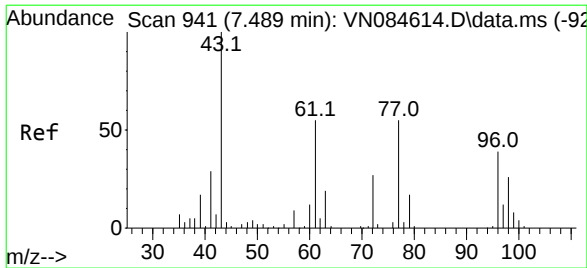
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#30
2-Butanone
Concen: 105.453 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.2	9.4
72	28.4	21.5	32.3





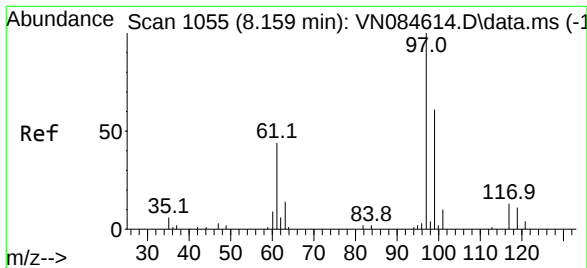
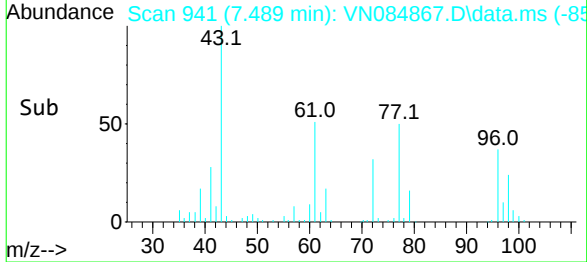
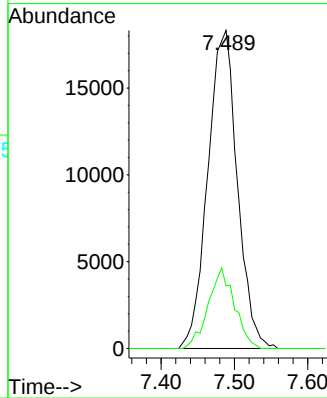
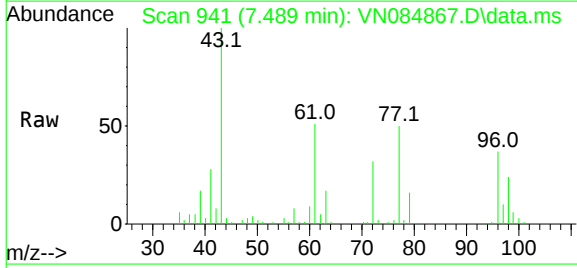
#31
2,2-Dichloropropane
Concen: 19.395 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 51247
Ion Ratio Lower Upper
77 100
97 22.5 17.4 26.2

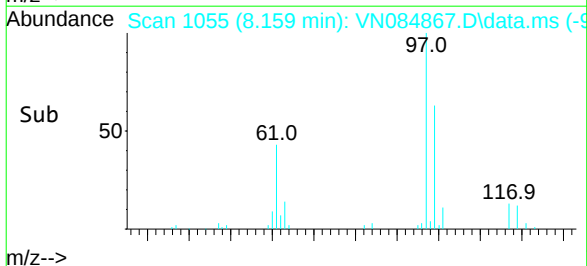
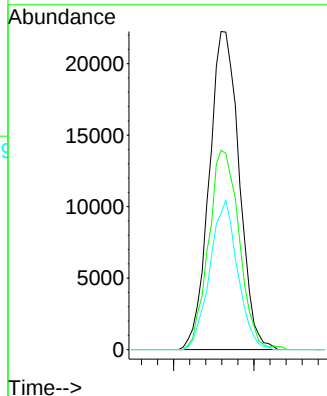
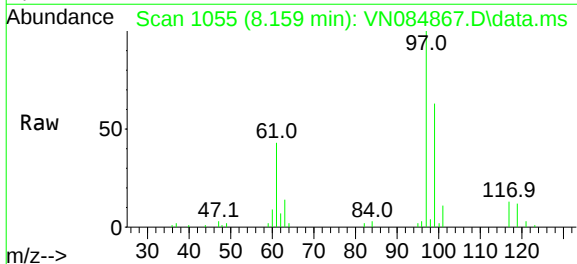
Manual Integrations
APPROVED

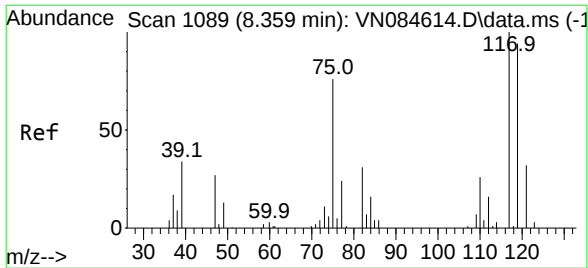
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#32
1,1,1-Trichloroethane
Concen: 19.627 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

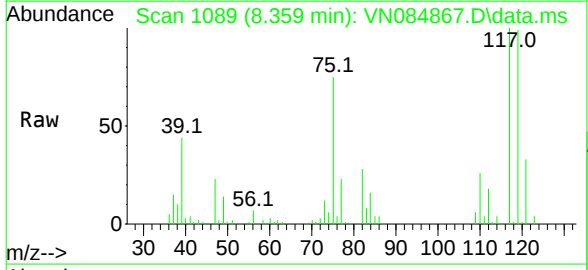
Tgt Ion: 97 Resp: 57719
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 43.4 34.2 51.4





#33
Carbon Tetrachloride
Concen: 19.920 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

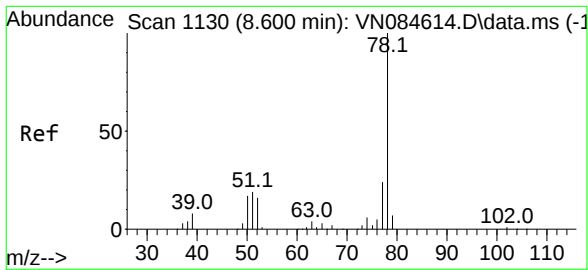
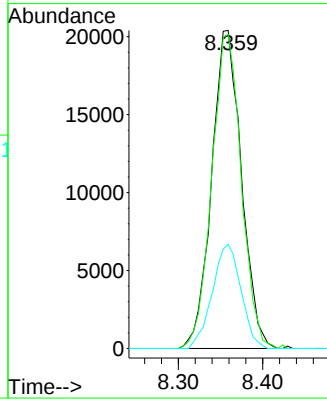
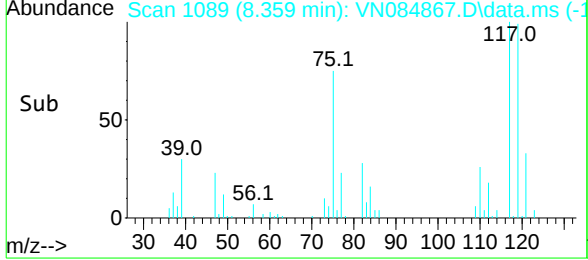
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 49987
Ion Ratio Lower Upper
117 100
119 98.7 75.7 113.5
121 32.8 25.4 38.0

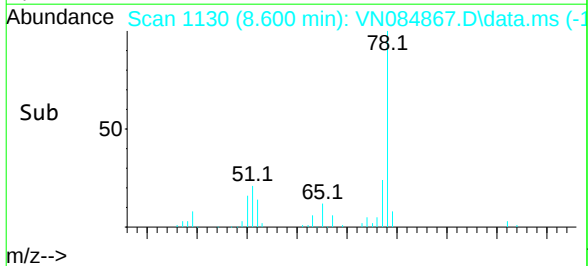
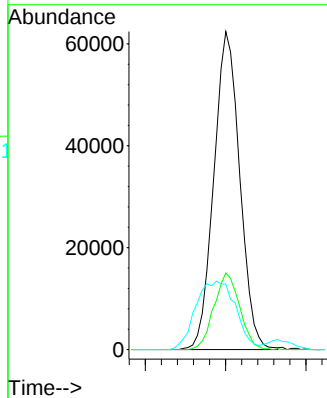
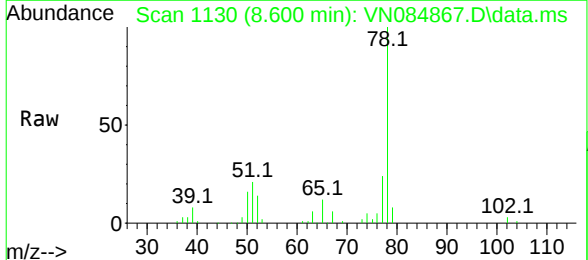
Manual Integrations
APPROVED

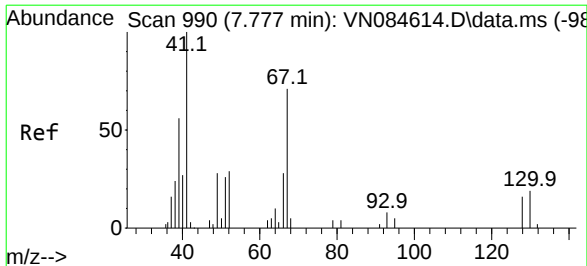
Reviewed By : John Carlone 11/17/2024
Supervised By : Mahesh Dadoda 11/18/2024



#34
Benzene
Concen: 19.530 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 78 Resp: 139735
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9
51 18.9 16.1 24.1





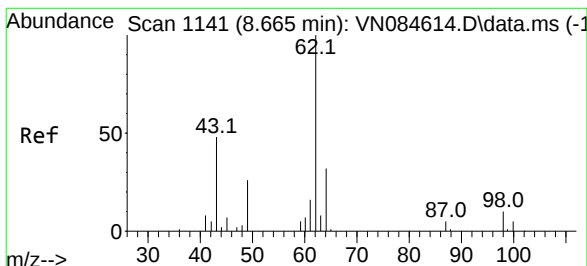
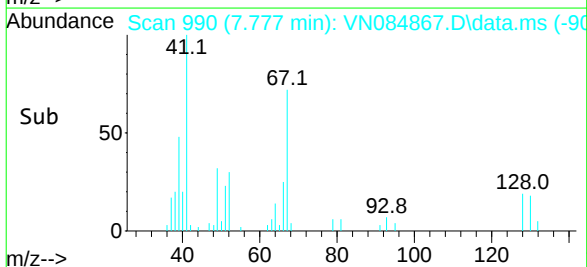
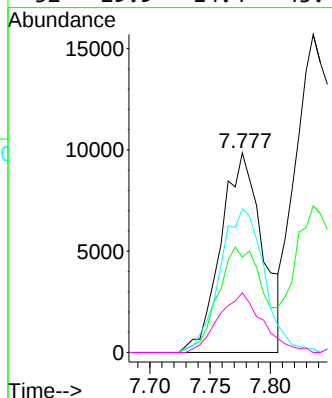
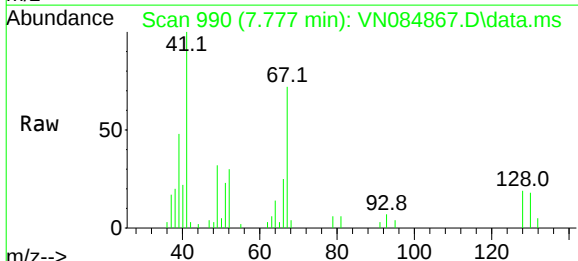
#35
Methacrylonitrile
Concen: 20.042 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	23718
Ion	Ratio	Lower	Upper
41	100		
39	47.8	28.2	84.6
67	72.0	35.6	106.8
52	29.9	14.4	43.4

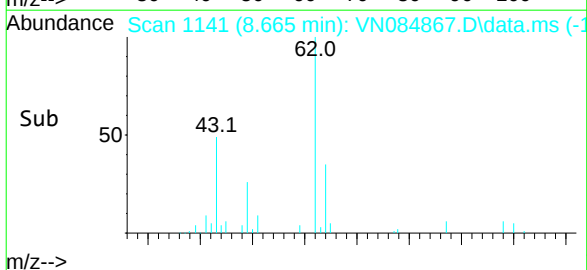
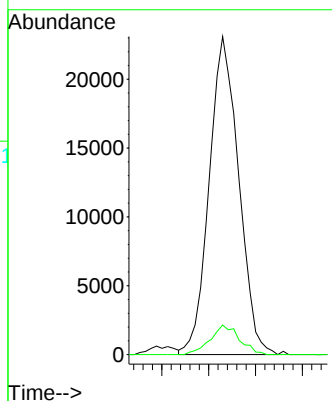
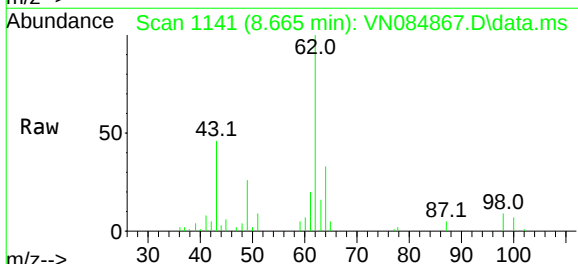
Manual Integrations
APPROVED

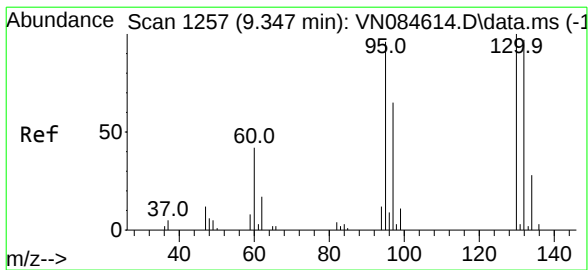
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#36
1,2-Dichloroethane
Concen: 21.236 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

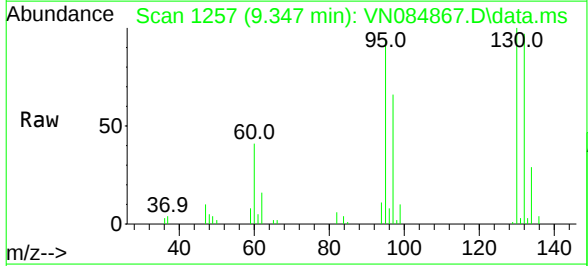
Tgt Ion:	62	Resp:	50527
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.8	11.6





#37
 Trichloroethene
 Concen: 18.613 ug/l
 RT: 9.347 min Scan# 1257
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

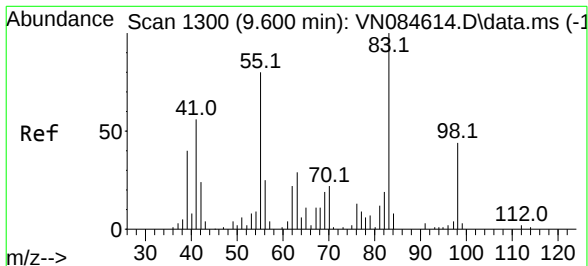
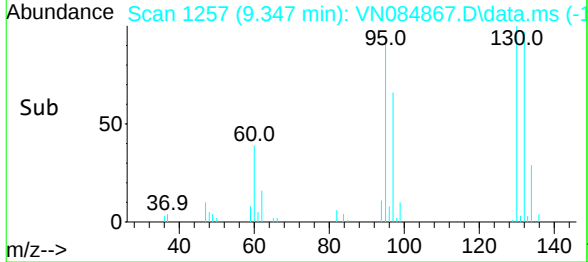
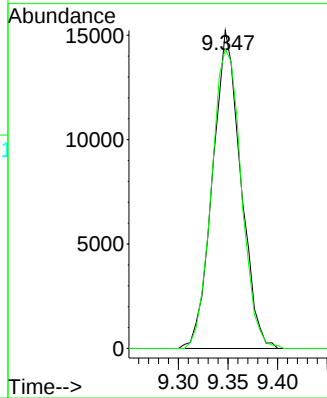
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 130 Resp: 30042
 Ion Ratio Lower Upper
 130 100
 95 94.1 76.6 115.0

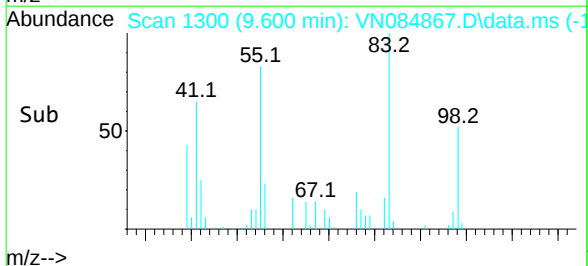
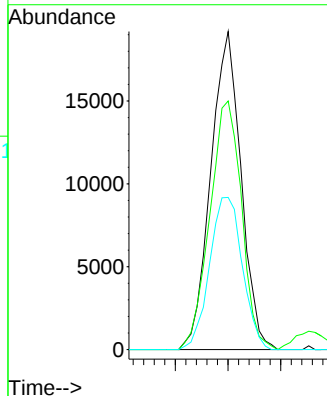
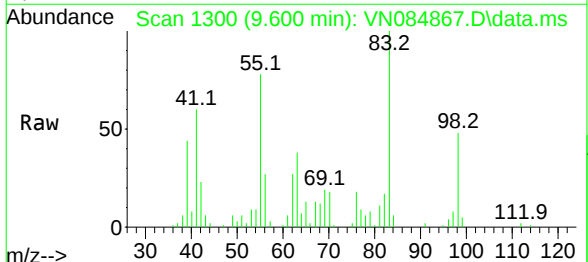
Manual Integrations
 APPROVED

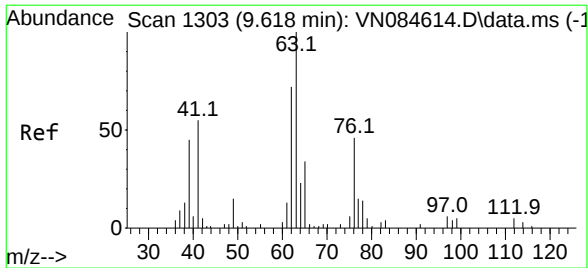
Reviewed By : John Carlone 11/17/2024
 Supervised By : Mahesh Dadoda 11/18/2024



#38
 Methylcyclohexane
 Concen: 16.448 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Tgt Ion: 83 Resp: 38328
 Ion Ratio Lower Upper
 83 100
 55 81.8 39.6 118.8
 98 51.8 23.2 69.5





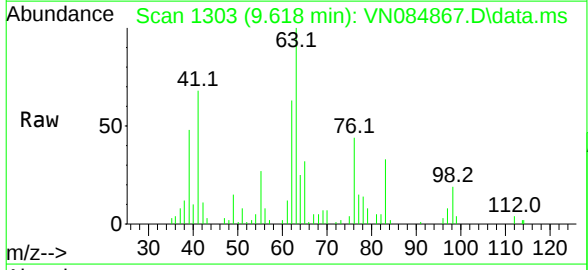
#39
 1,2-Dichloropropane
 Concen: 20.098 ug/l
 RT: 9.618 min Scan# 1303
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

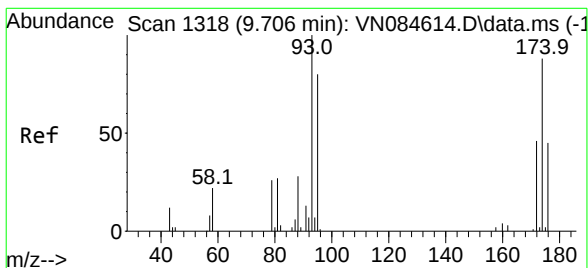
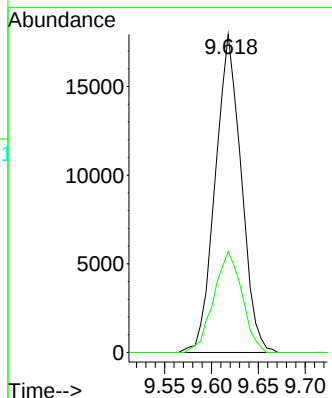
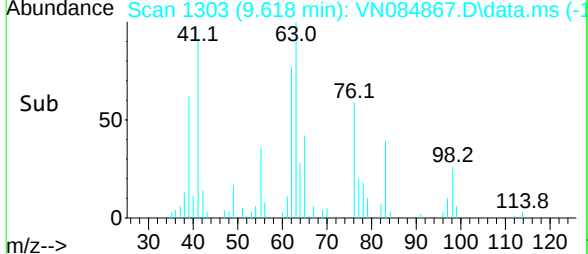
VSTDCCC020



Tgt Ion: 63 Resp: 34615
 Ion Ratio Lower Upper
 63 100
 65 31.7 27.8 41.8

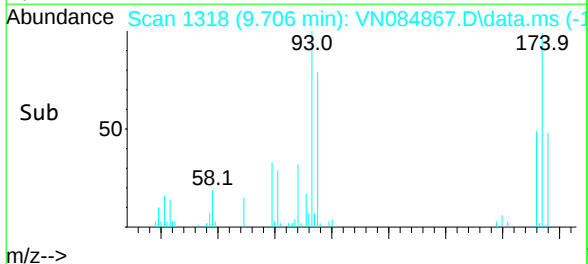
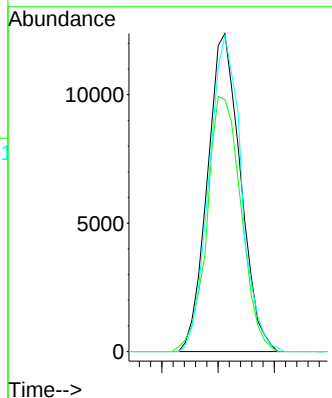
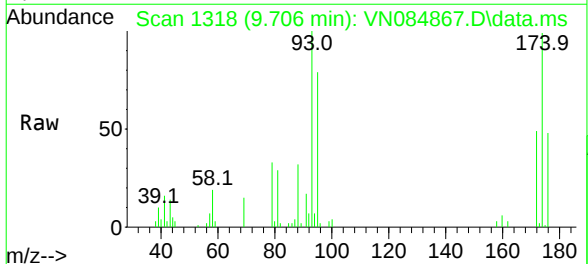
Manual Integrations
 APPROVED

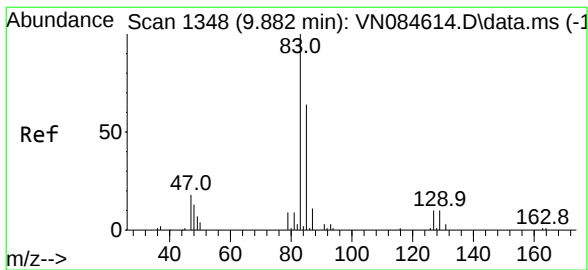
Reviewed By :John Carlone 11/17/2024
 Supervised By :Mahesh Dadoda 11/18/2024



#40
 Dibromomethane
 Concen: 20.982 ug/l
 RT: 9.706 min Scan# 1318
 Delta R.T. 0.000 min
 Lab File: VN084867.D
 Acq: 15 Nov 2024 13:49

Tgt Ion: 93 Resp: 25281
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 168.4
 174 97.0 0.0 183.4





#41

Bromodichloromethane

Concen: 19.780 ug/l

RT: 9.888 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

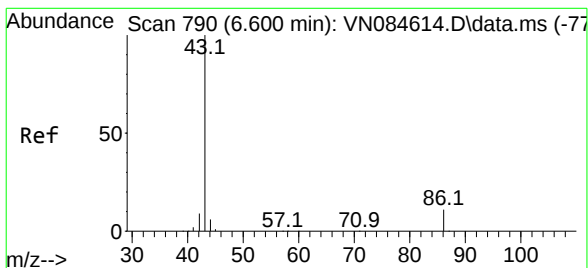
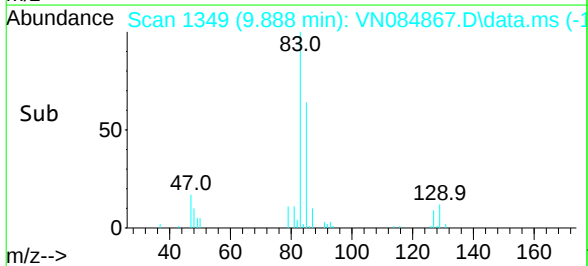
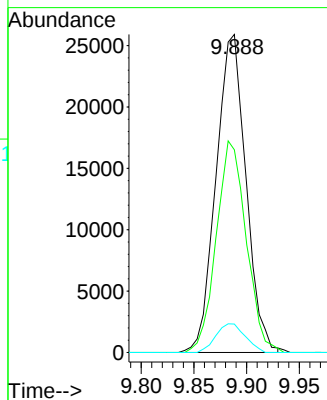
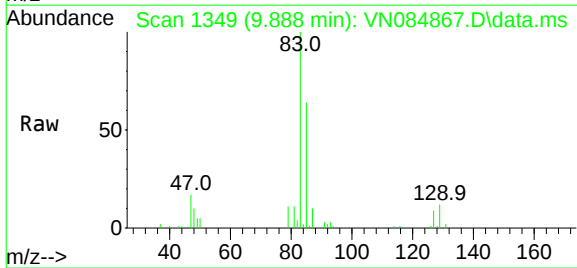
Tgt Ion:	83	Resp:	51091
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6
127	8.9	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#42

Vinyl Acetate

Concen: 94.802 ug/l

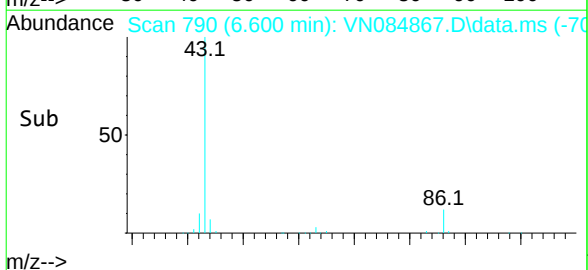
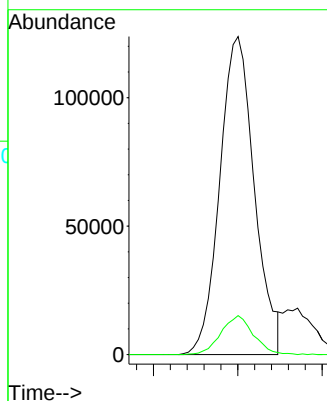
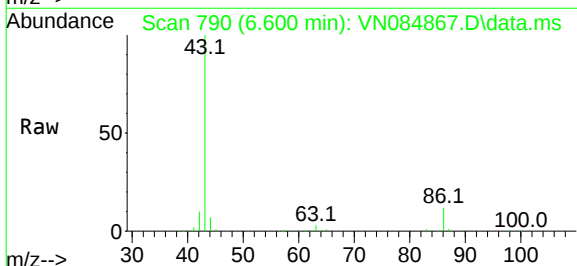
RT: 6.600 min Scan# 790

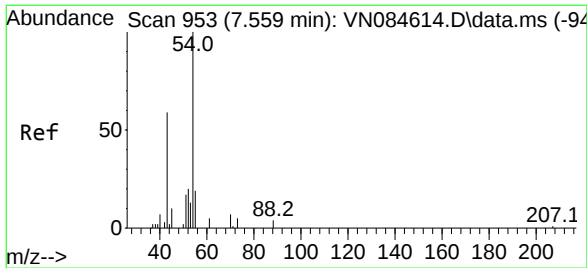
Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	43	Resp:	353820
Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.6	13.0





#43

Ethyl Acetate

Concen: 20.598 ug/l

RT: 7.553 min Scan# 95

Delta R.T. -0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 43215

Ion Ratio Lower Upper

43 100

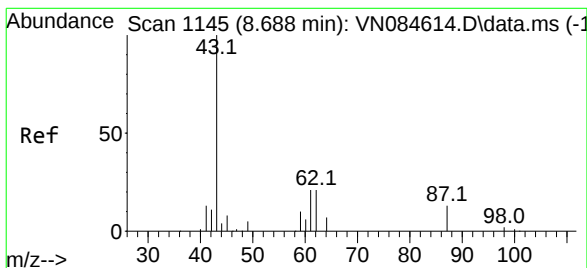
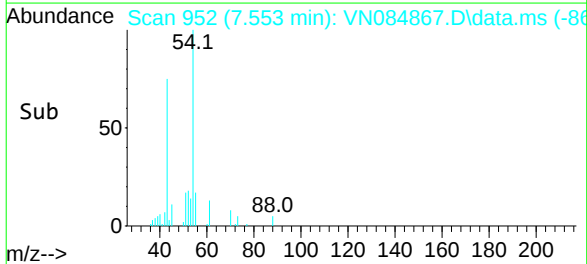
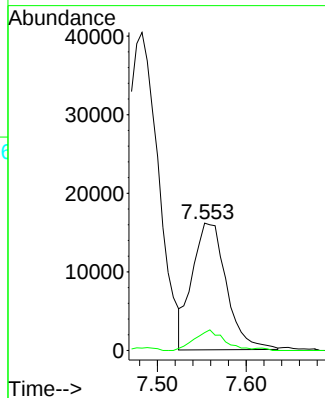
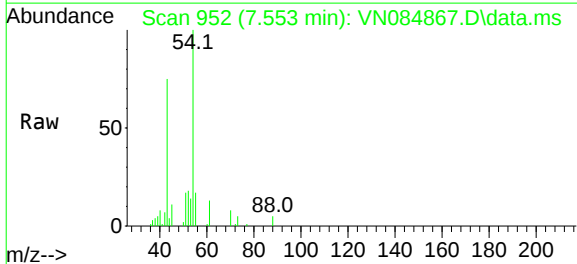
45 14.0 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#44

Isopropyl Acetate

Concen: 17.924 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN084867.D

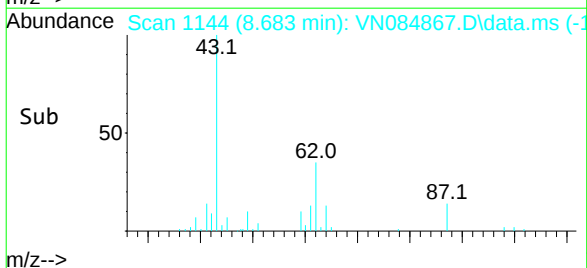
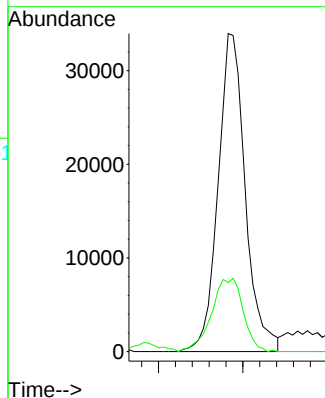
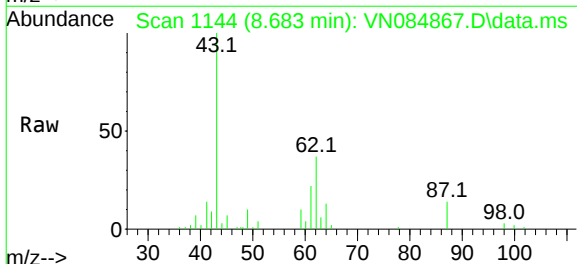
Acq: 15 Nov 2024 13:49

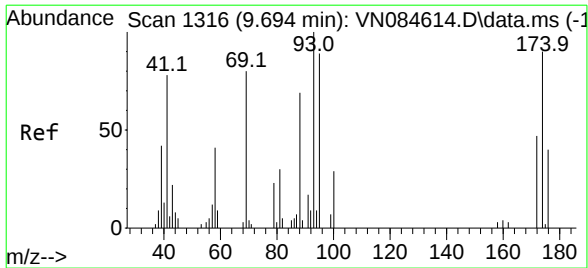
Tgt Ion: 43 Resp: 76147

Ion Ratio Lower Upper

43 100

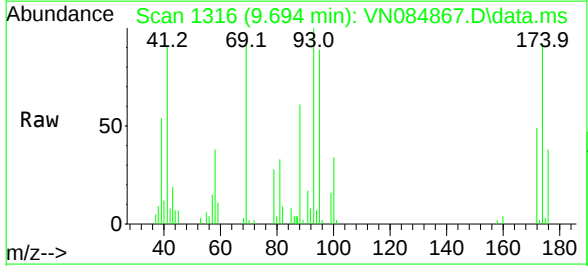
61 26.7 19.8 29.8





#45
1,4-Dioxane
Concen: 408.313 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

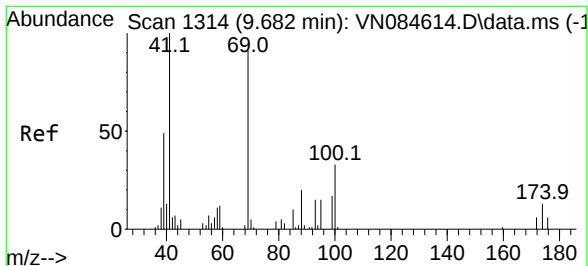
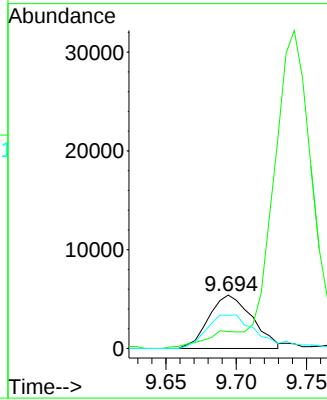
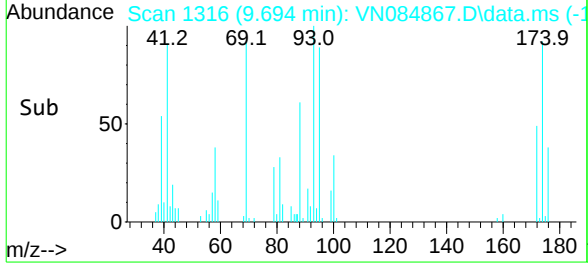
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



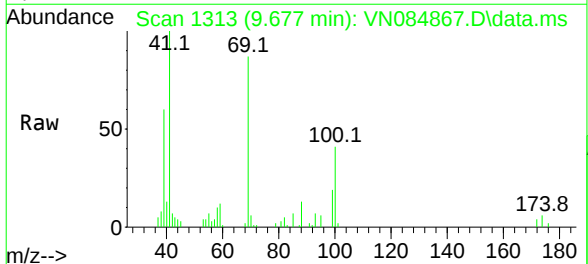
Tgt Ion: 88 Resp: 11581
Ion Ratio Lower Upper
88 100
43 26.1 20.8 31.2
58 68.5 53.4 80.2

Manual Integrations
APPROVED

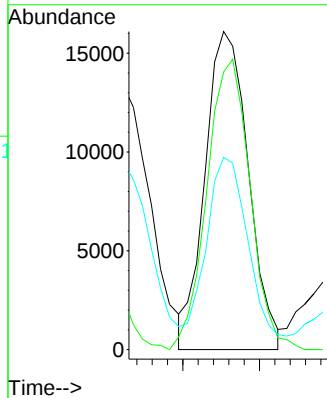
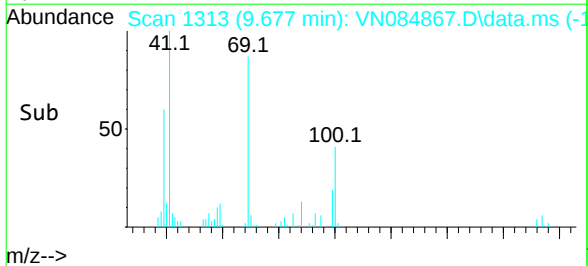
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024

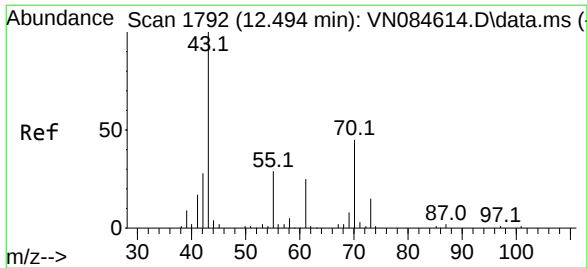


#46
Methyl methacrylate
Concen: 18.508 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49



Tgt Ion: 41 Resp: 31598
Ion Ratio Lower Upper
41 100
69 89.3 43.4 130.2
39 59.5 24.7 74.1





#47

n-amy1 Acetate

Concen: 18.279 ug/l

RT: 12.494 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 57999

Ion Ratio Lower Upper

43 100

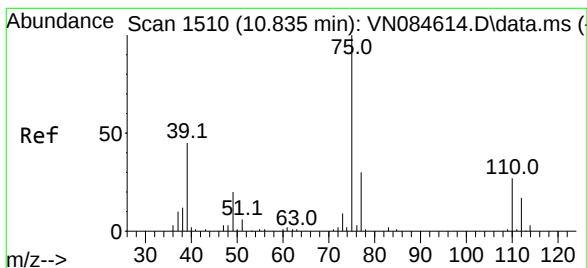
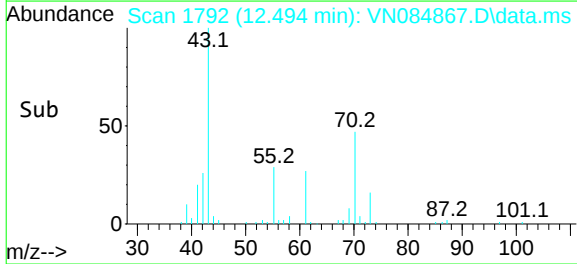
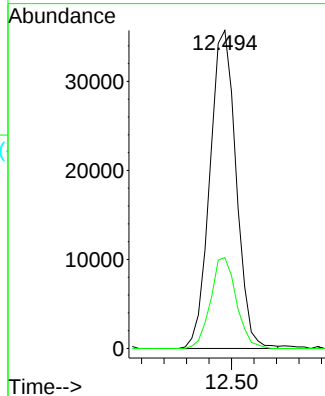
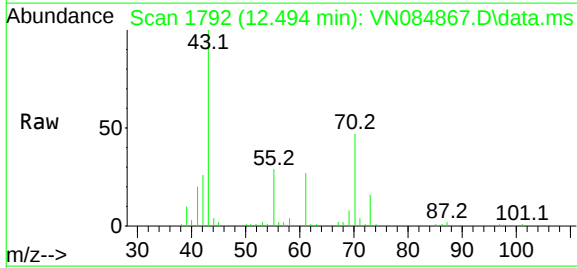
55 28.0 22.0 33.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#48

t-1,3-Dichloropropene

Concen: 18.453 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN084867.D

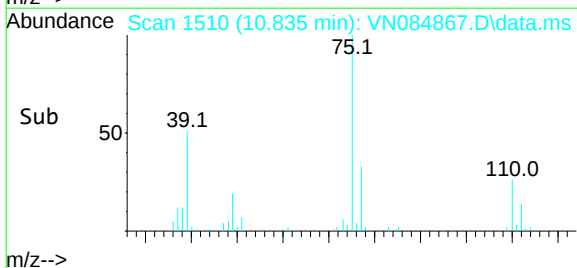
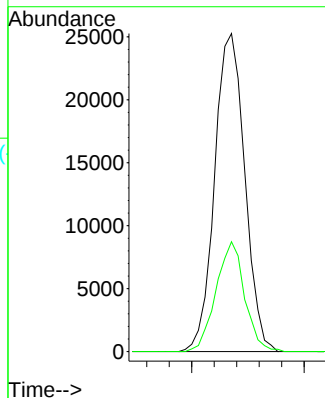
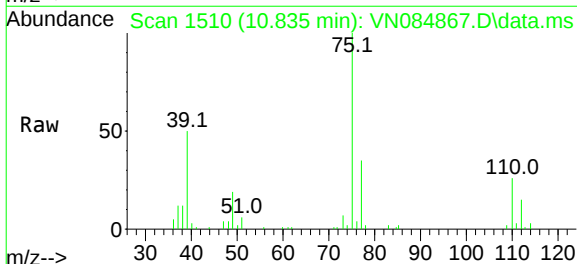
Acq: 15 Nov 2024 13:49

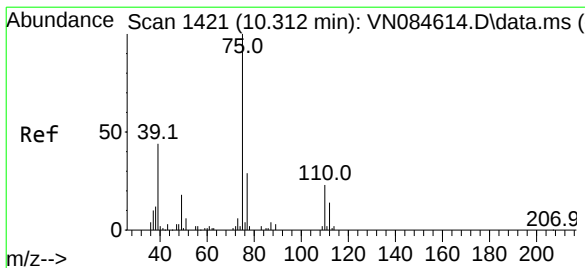
Tgt Ion: 75 Resp: 47064

Ion Ratio Lower Upper

75 100

77 34.5 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 19.425 ug/l

RT: 10.312 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

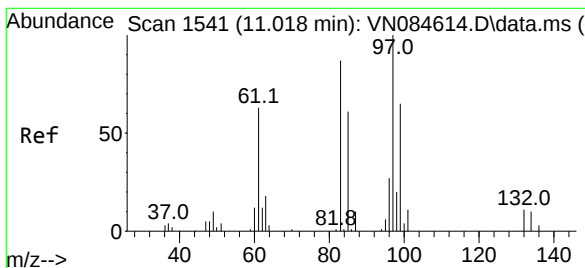
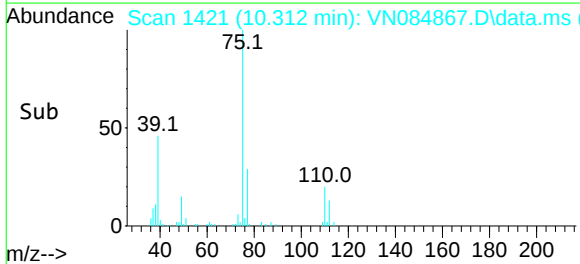
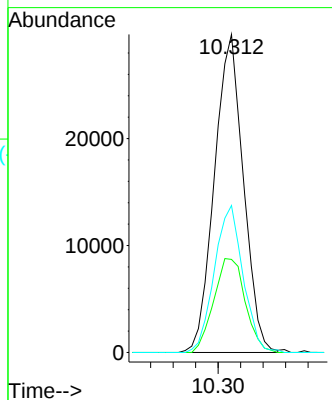
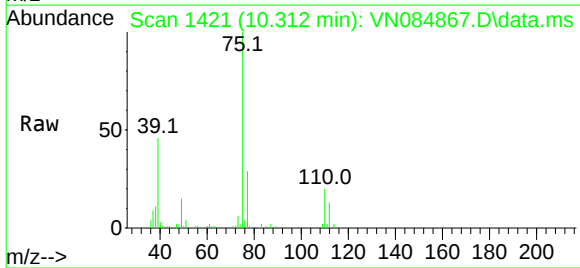
VSTDCCC020

Tgt Ion: 75	Resp: 53099
Ion Ratio	Lower Upper
75 100	
77 29.3	23.4 35.2
39 46.2	35.4 53.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#50

1,1,2-Trichloroethane

Concen: 20.943 ug/l

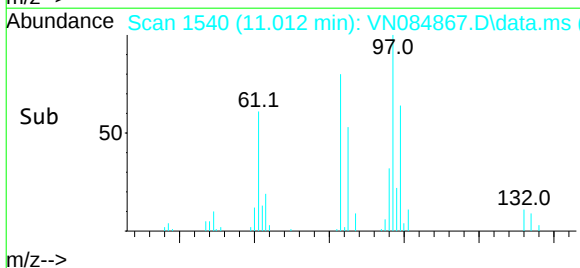
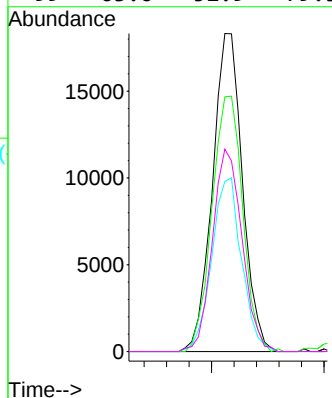
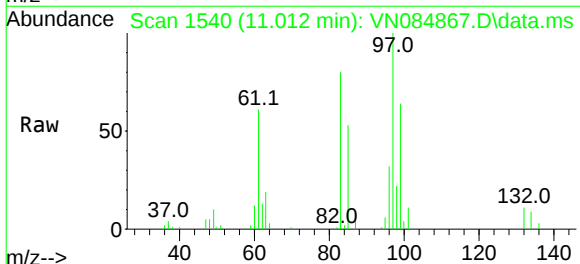
RT: 11.012 min Scan# 1540

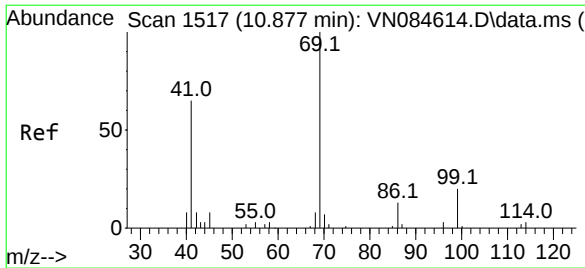
Delta R.T. -0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion: 97	Resp: 33847
Ion Ratio	Lower Upper
97 100	
83 80.1	69.8 104.8
85 53.4	48.6 73.0
99 63.6	52.9 79.3





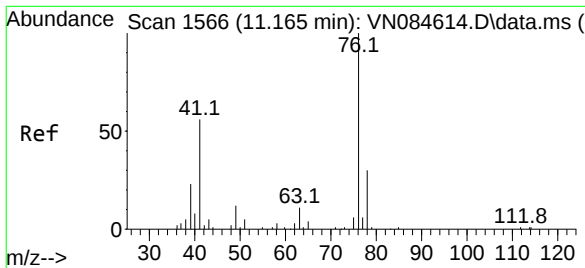
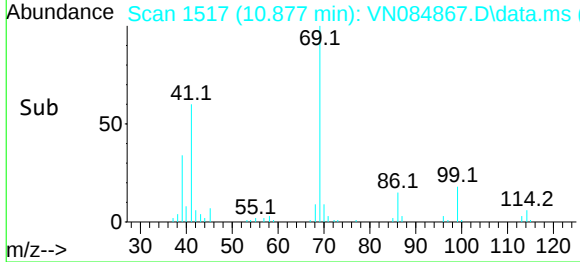
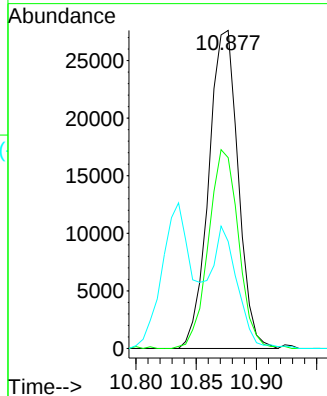
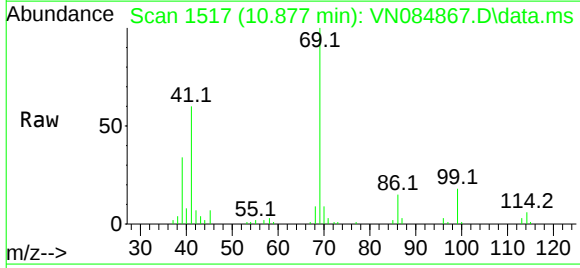
#51
Ethyl methacrylate
Concen: 18.869 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.4	32.8	98.3
39	33.1	15.4	46.1

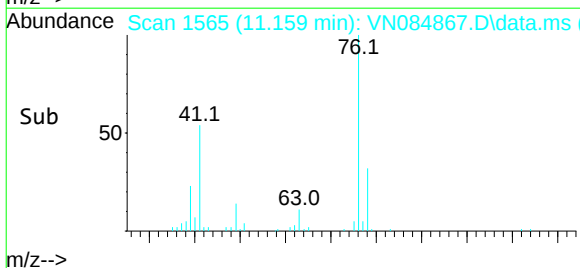
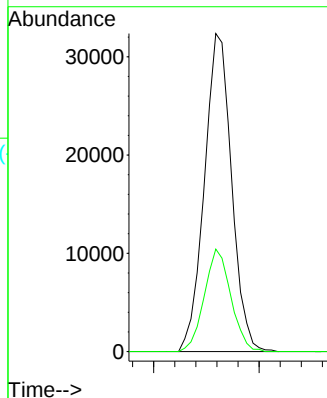
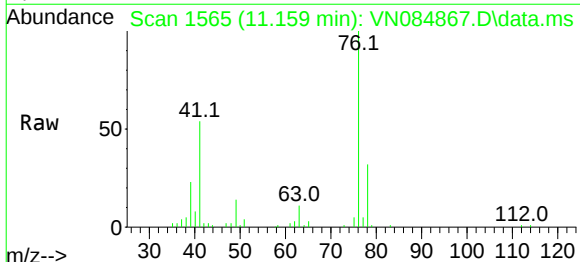
Manual Integrations
APPROVED

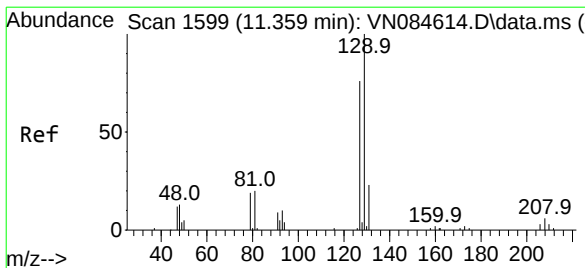
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#52
1,3-Dichloropropane
Concen: 20.674 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	64.0





#53

Dibromochloromethane

Concen: 20.855 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 39443

Ion Ratio Lower Upper

129 100

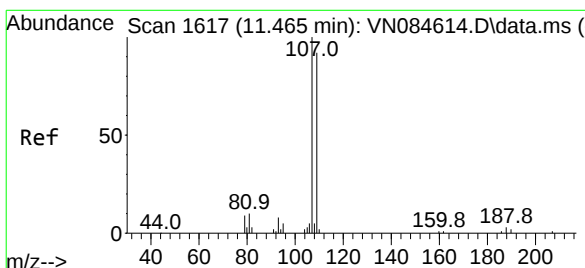
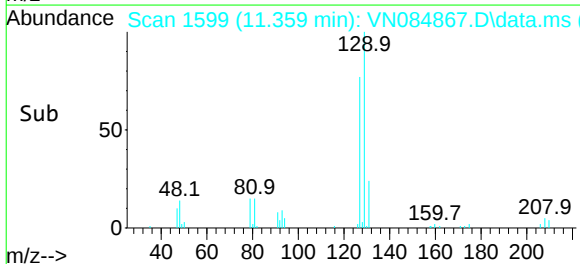
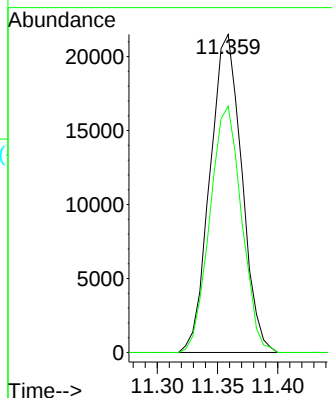
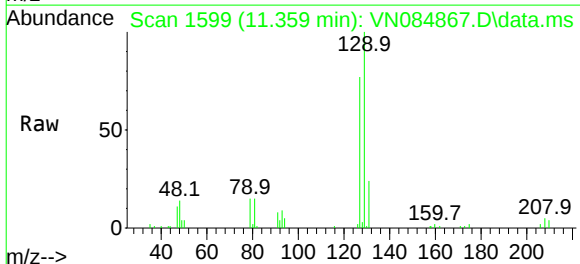
127 77.3 39.6 119.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#54

1,2-Dibromoethane

Concen: 21.029 ug/l

RT: 11.471 min Scan# 1618

Delta R.T. 0.006 min

Lab File: VN084867.D

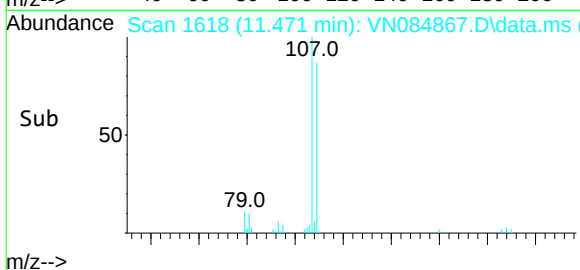
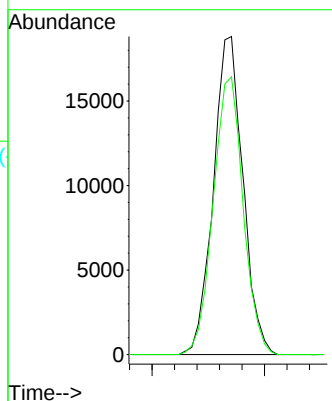
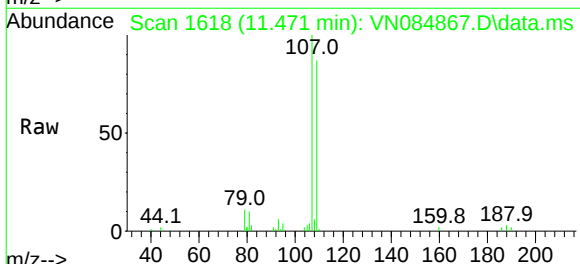
Acq: 15 Nov 2024 13:49

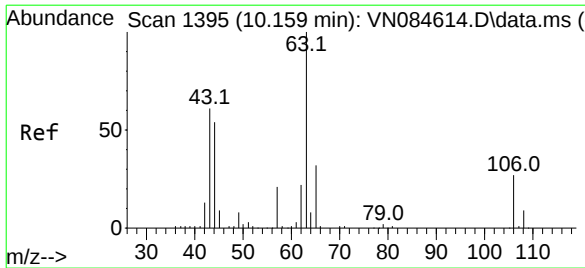
Tgt Ion:107 Resp: 34374

Ion Ratio Lower Upper

107 100

109 88.4 73.4 110.0





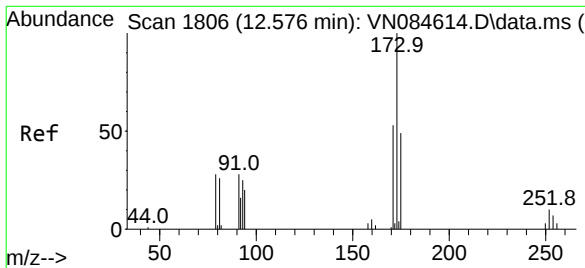
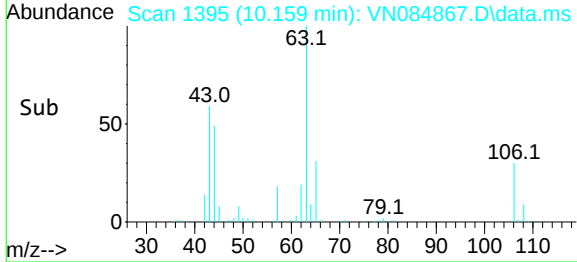
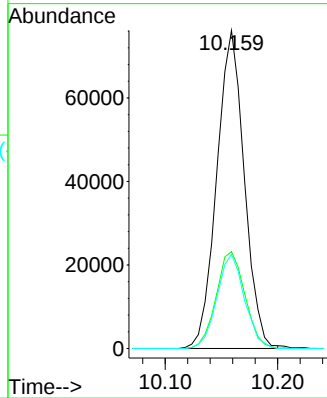
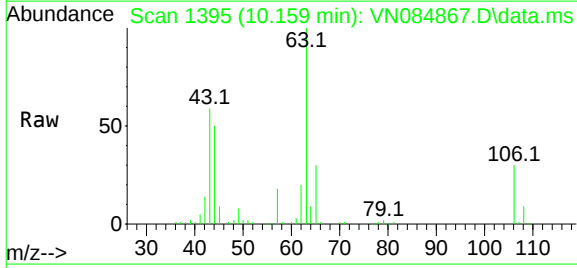
#55
2-Chloroethyl vinyl ether
Concen: 105.755 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	63	Resp:	129165
Ion Ratio	Lower	Upper	
63	100		
65	31.8	25.5	38.3
106	29.6	22.3	33.5

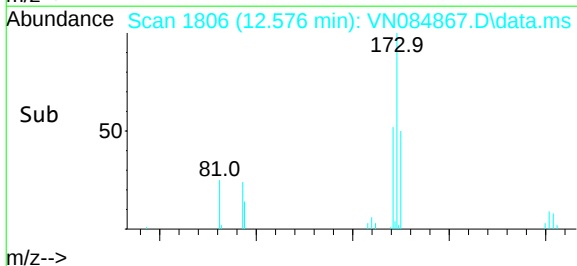
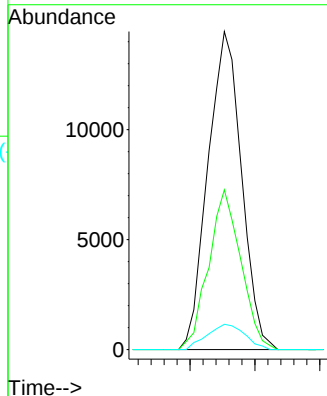
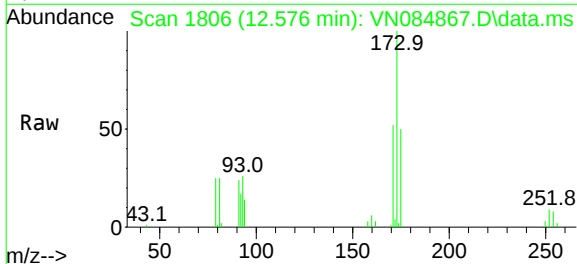
Manual Integrations
APPROVED

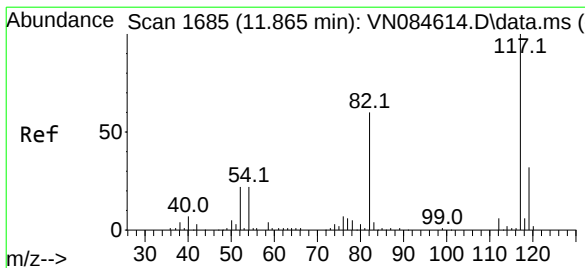
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#56
Bromoform
Concen: 20.524 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:	173	Resp:	26019
Ion Ratio	Lower	Upper	
173	100		
175	48.3	39.4	59.2
254	9.0	6.4	9.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

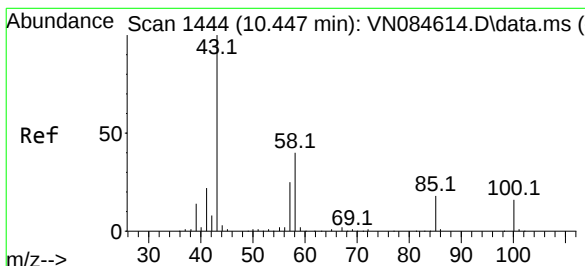
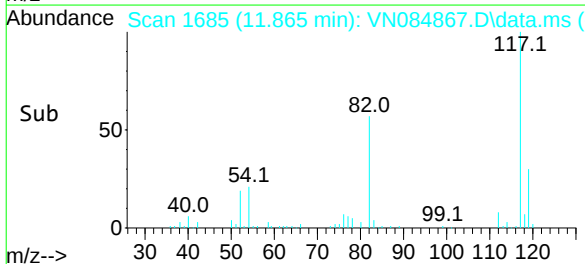
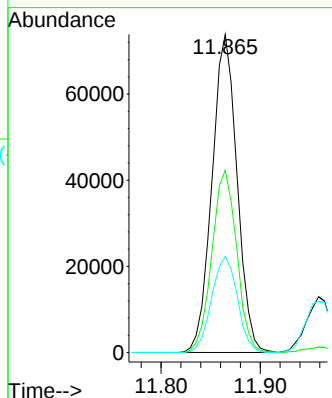
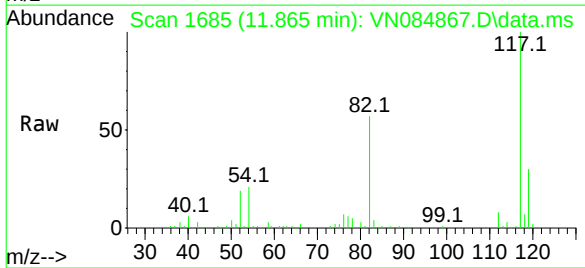
VSTDCCC020

Tgt Ion:117 Resp: 129619
Ion Ratio Lower Upper
117 100
82 56.7 45.5 68.3
119 30.9 25.3 37.9

Manual Integrations

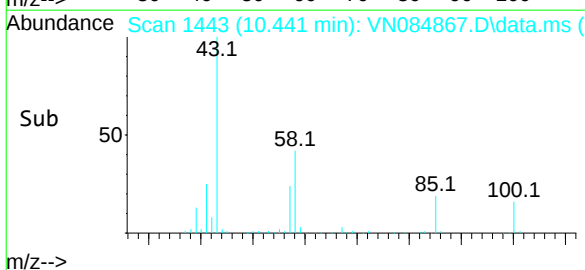
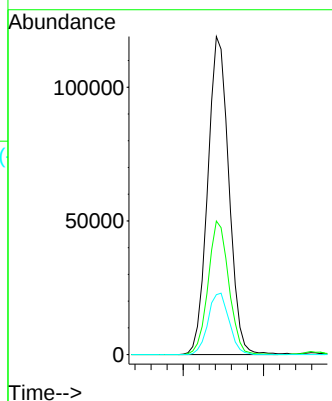
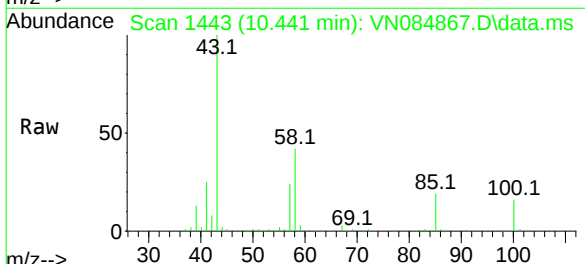
APPROVED

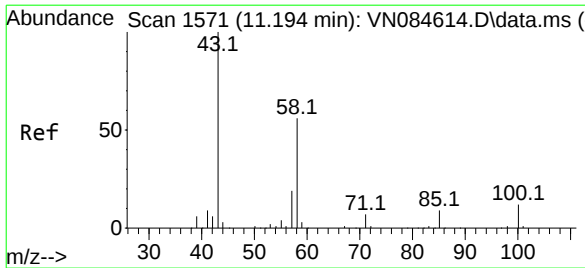
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#58
4-Methyl-2-Pentanone
Concen: 106.208 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 43 Resp: 217184
Ion Ratio Lower Upper
43 100
58 41.0 31.2 46.8
85 19.2 14.9 22.3





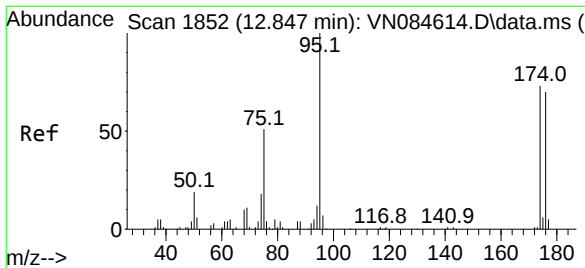
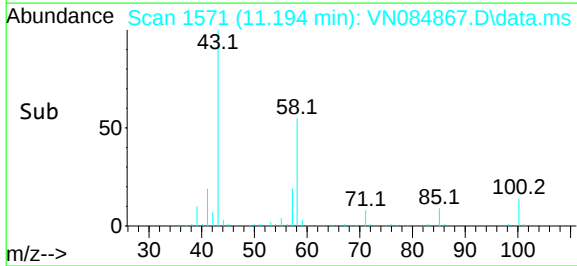
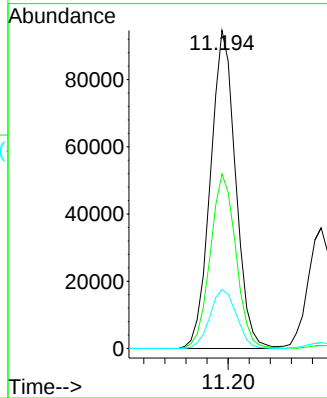
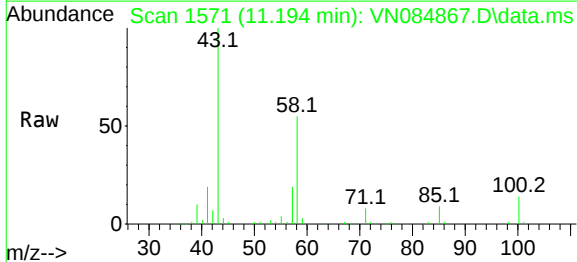
#59
2-Hexanone
Concen: 104.883 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43	Resp: 157051
Ion Ratio	Lower Upper
43 100	
58 55.8	43.8 65.6
57 19.5	15.0 22.6

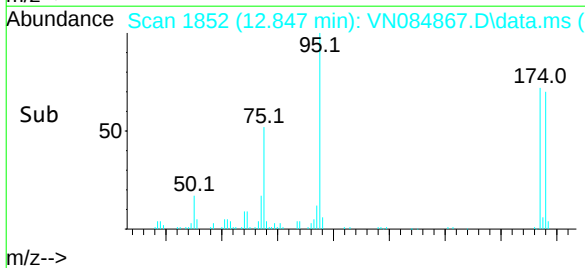
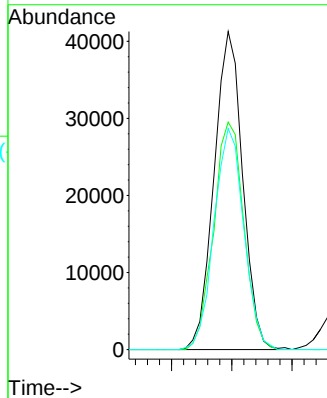
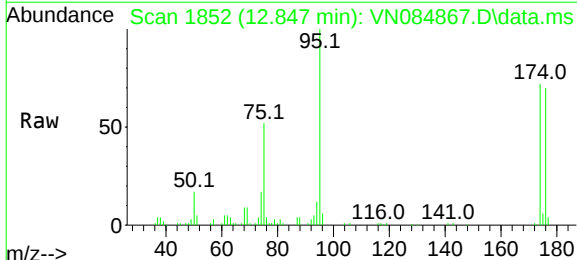
Manual Integrations
APPROVED

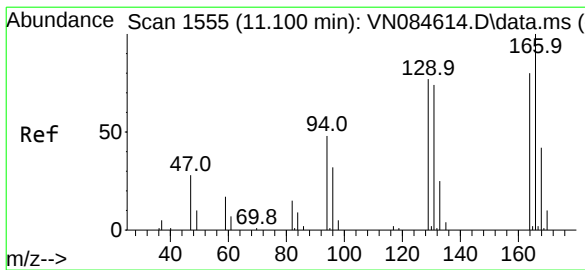
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#60
4-Bromofluorobenzene
Concen: 30.459 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

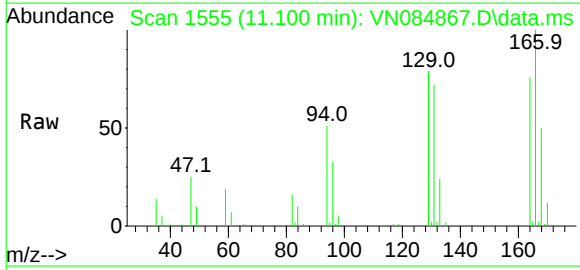
Tgt Ion: 95	Resp: 67980
Ion Ratio	Lower Upper
95 100	
174 75.3	59.6 89.4
176 72.5	58.6 88.0





#61
Tetrachloroethene
Concen: 19.746 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

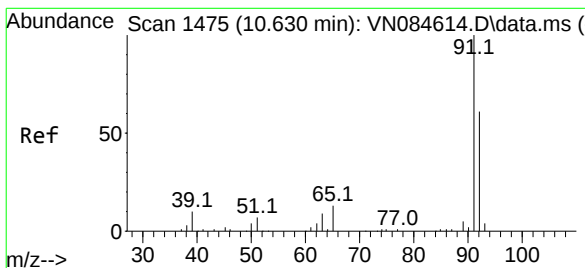
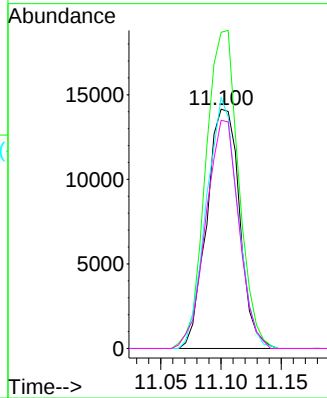
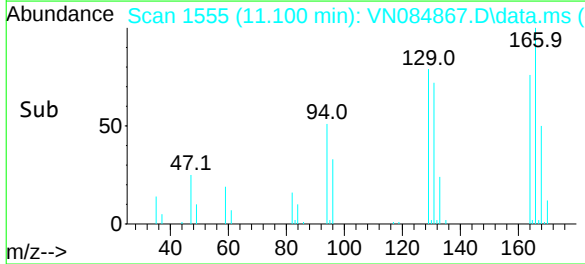
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 164 Resp: 26787
Ion Ratio Lower Upper
164 100
166 132.1 100.5 150.7
129 104.8 77.7 116.5
131 95.4 74.7 112.1

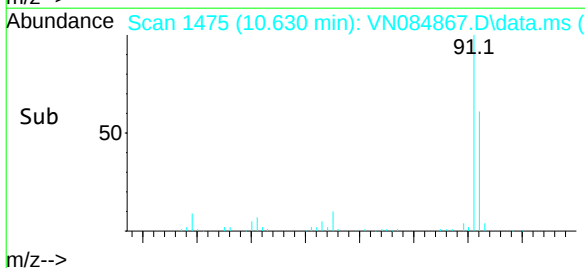
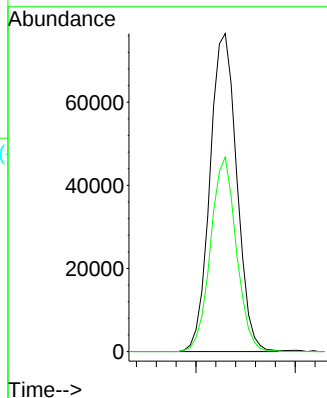
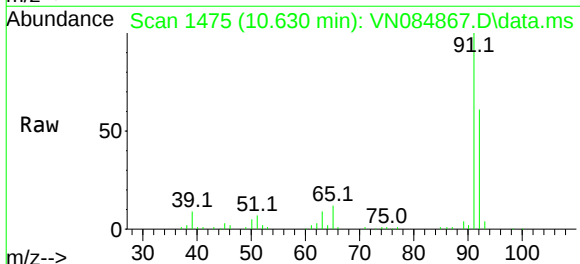
Manual Integrations
APPROVED

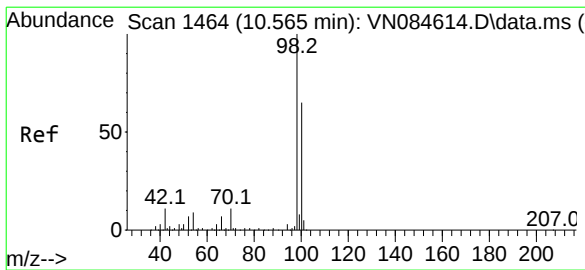
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#62
Toluene
Concen: 19.481 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 91 Resp: 143824
Ion Ratio Lower Upper
91 100
92 58.6 47.5 71.3





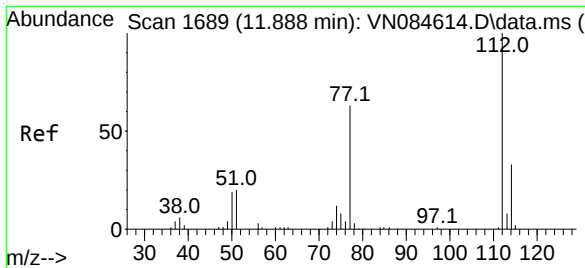
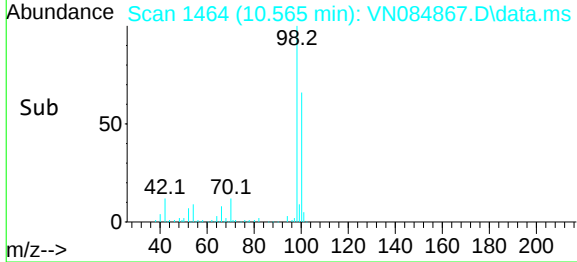
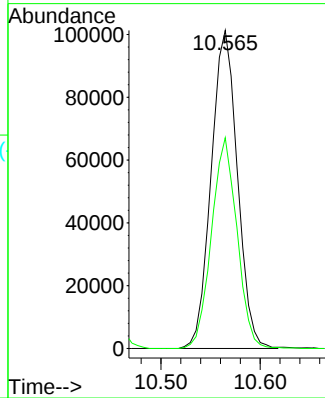
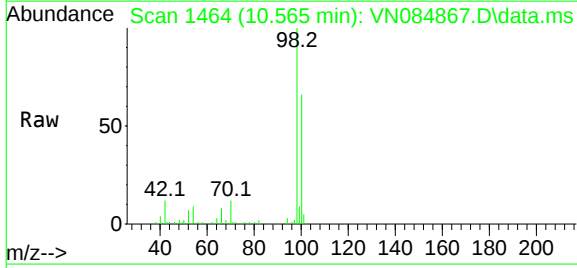
#63
Toluene-d8
Concen: 30.371 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 186361
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2

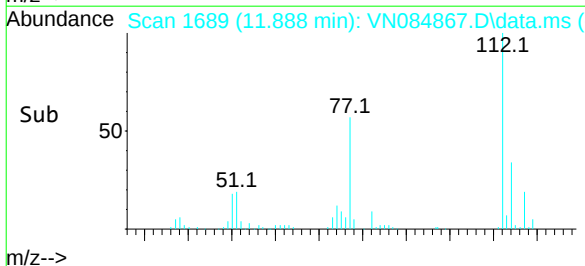
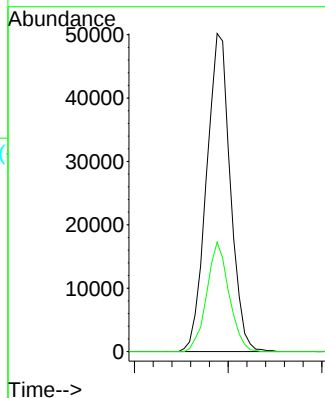
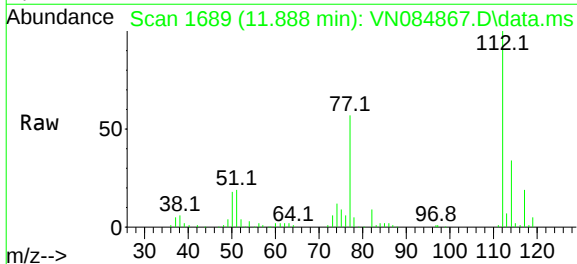
Manual Integrations
APPROVED

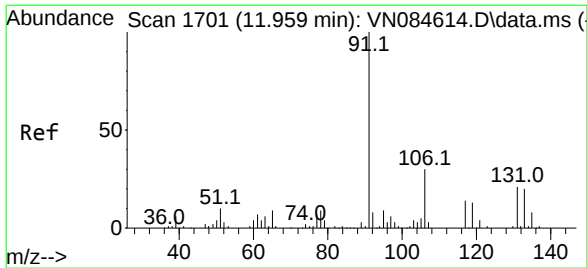
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#64
Chlorobenzene
Concen: 19.855 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:112 Resp: 88491
Ion Ratio Lower Upper
112 100
114 34.4 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.682 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

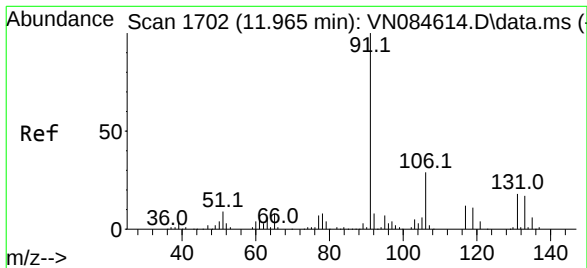
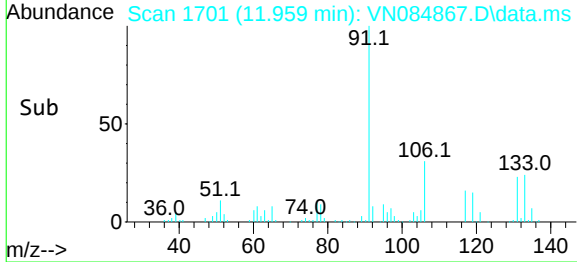
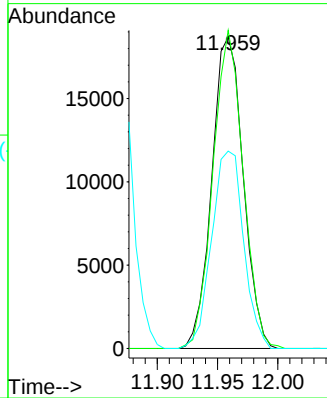
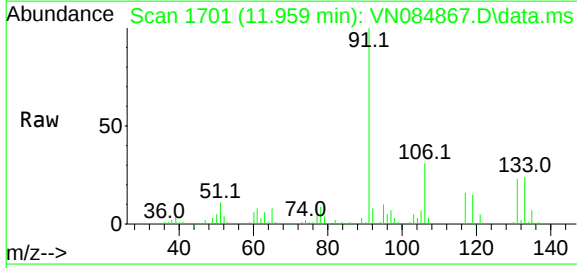
Tgt Ion:	131	Resp:	33876
Ion Ratio	Lower	Upper	
131	100		
133	98.0	0.0	189.2
119	64.5	0.0	129.4

Manual Integrations

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Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#66

Ethyl Benzene

Concen: 18.144 ug/l

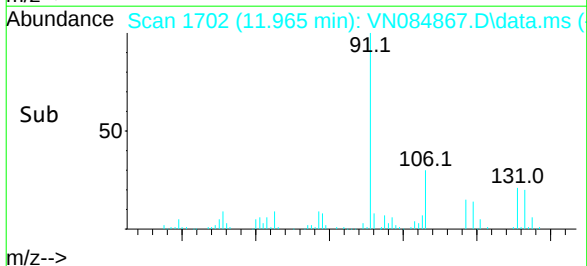
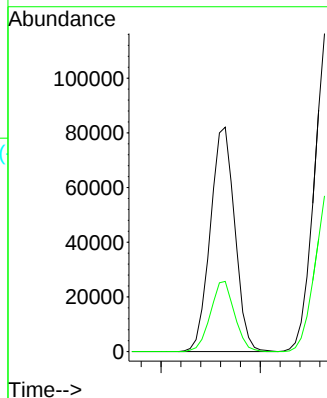
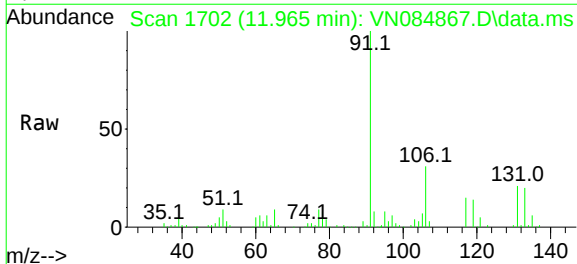
RT: 11.965 min Scan# 1702

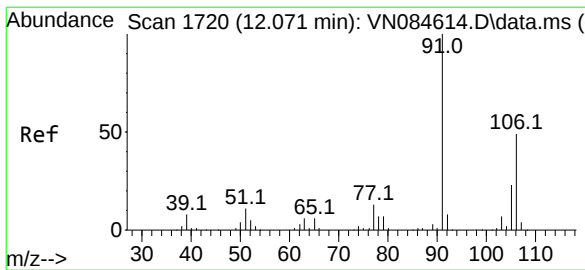
Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	91	Resp:	140773
Ion Ratio	Lower	Upper	
91	100		
106	31.3	22.9	34.3





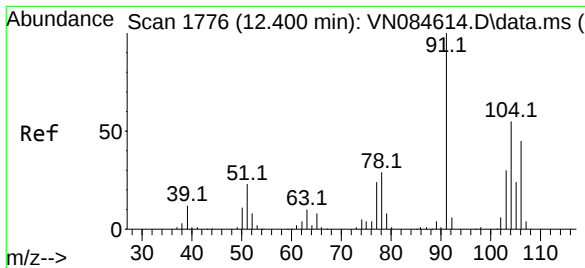
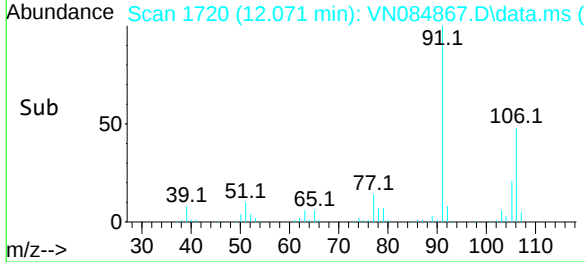
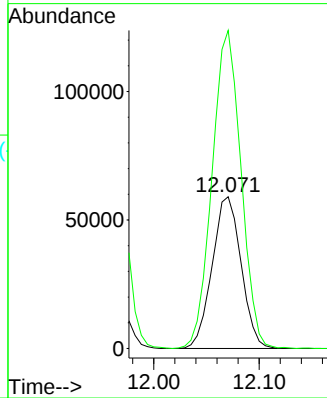
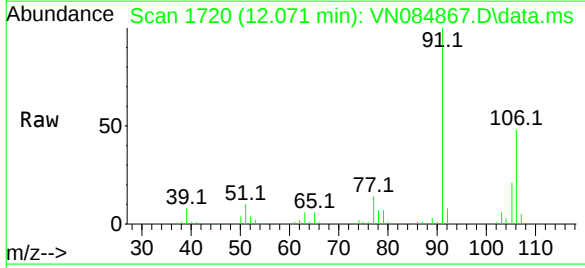
#67
m/p-Xylenes
Concen: 37.941 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 112700
Ion Ratio Lower Upper
106 100
91 209.2 168.1 252.1

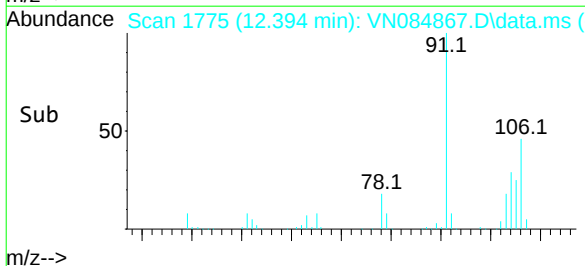
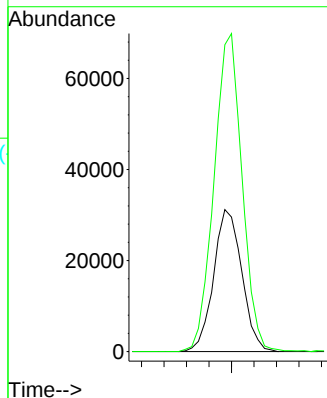
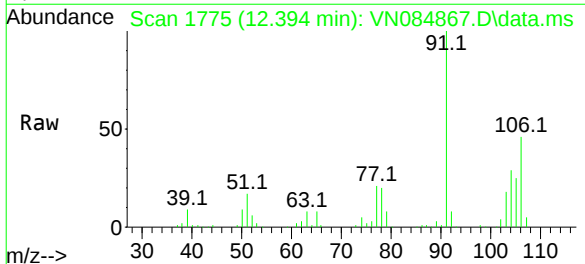
Manual Integrations
APPROVED

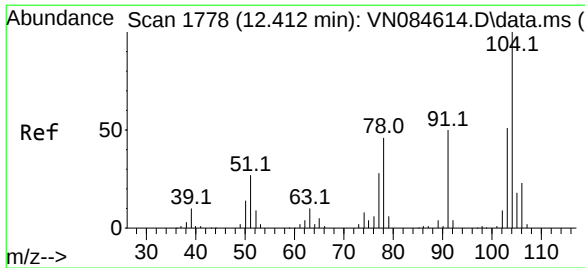
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#68
o-Xylene
Concen: 18.962 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:106 Resp: 54333
Ion Ratio Lower Upper
106 100
91 222.7 107.7 322.9





#69

Styrene

Concen: 19.206 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

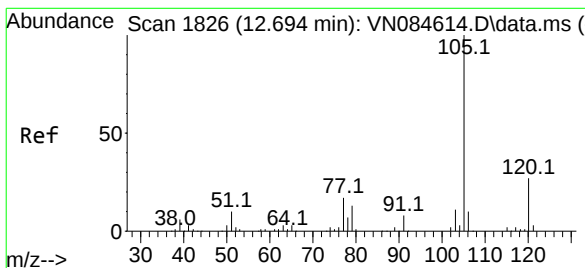
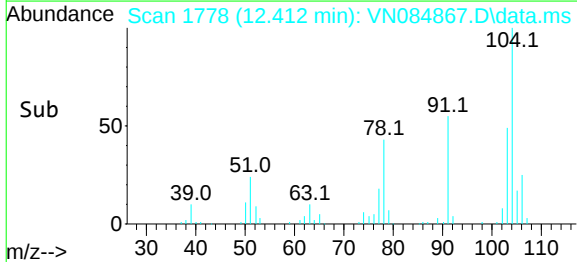
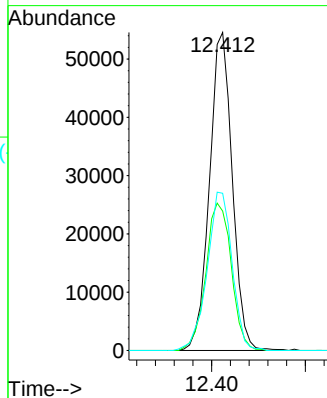
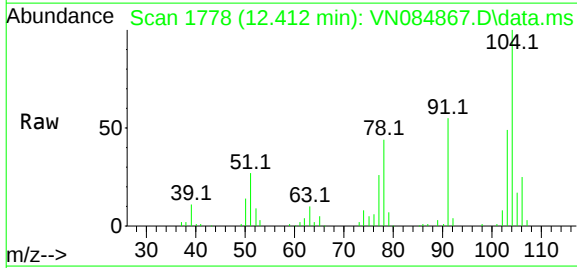
Tgt Ion:	104	Resp:	92272
Ion Ratio	Lower	Upper	
104	100		
78	51.8	41.5	62.3
103	54.4	44.6	67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#70

Isopropylbenzene

Concen: 18.649 ug/l

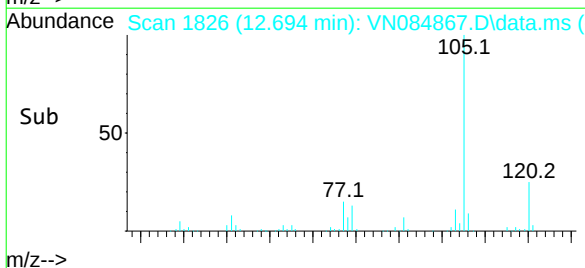
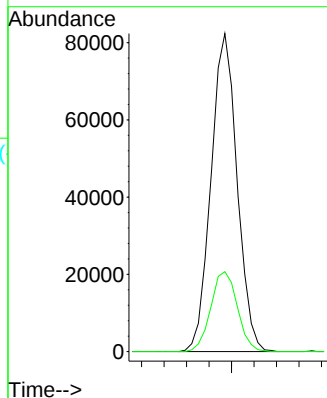
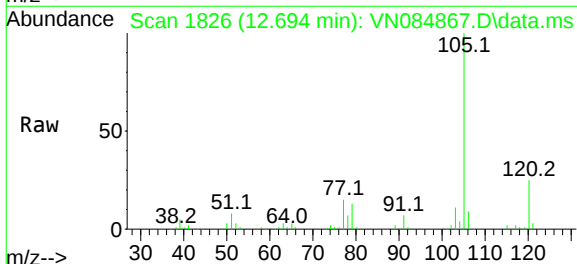
RT: 12.694 min Scan# 1826

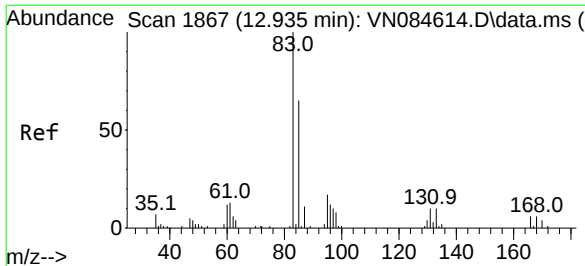
Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	105	Resp:	132744
Ion Ratio	Lower	Upper	
105	100		
120	25.6	18.7	34.7





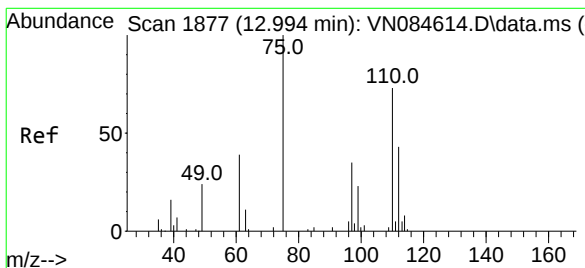
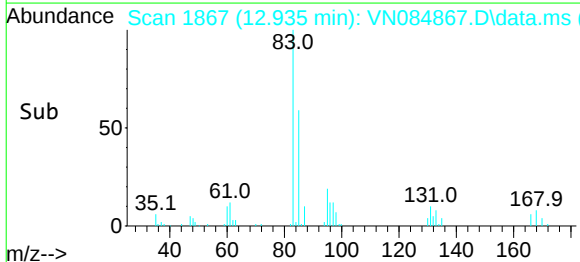
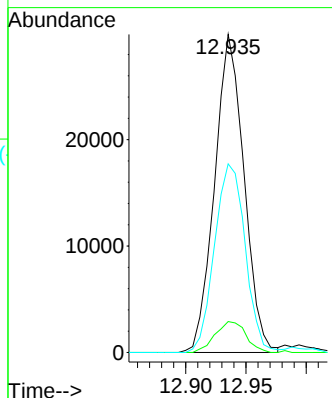
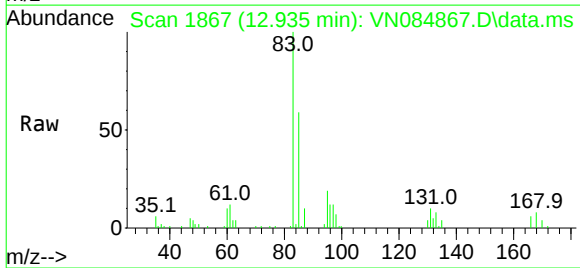
#71
1,1,2,2-Tetrachloroethane
Concen: 22.003 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 50764
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 61.7 33.3 99.9

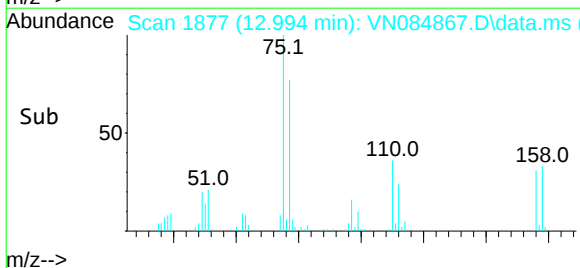
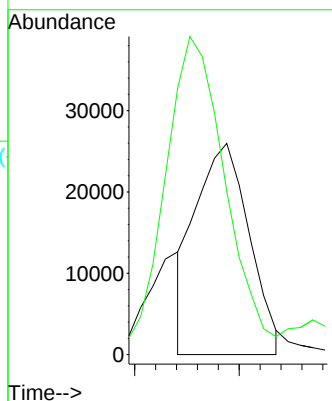
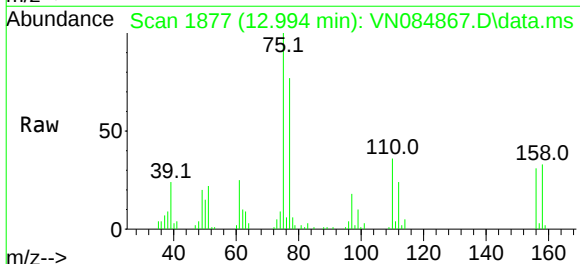
Manual Integrations
APPROVED

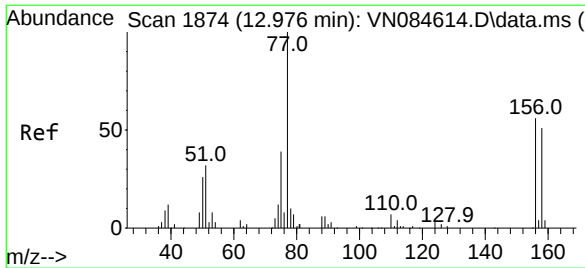
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#72
1,2,3-Trichloropropane
Concen: 23.507 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion: 75 Resp: 46309
Ion Ratio Lower Upper
75 100
77 170.1 0.0 358.4





#73

Bromobenzene

Concen: 19.545 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

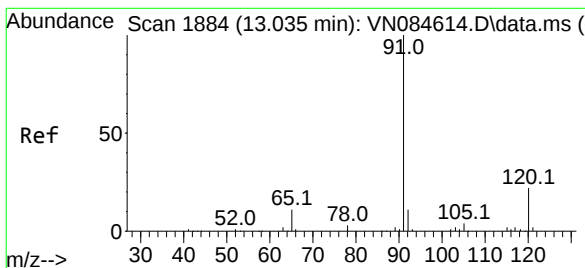
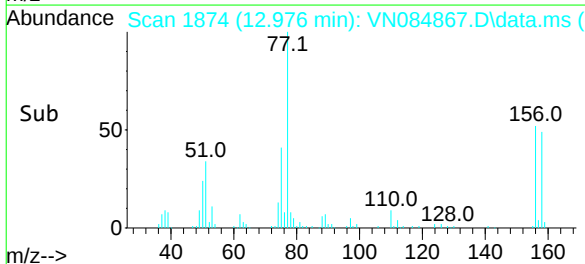
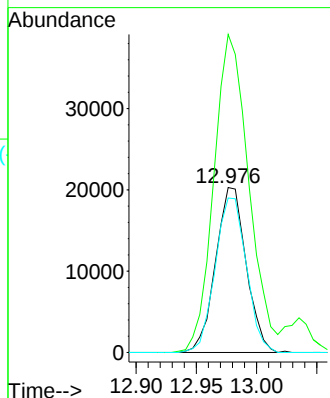
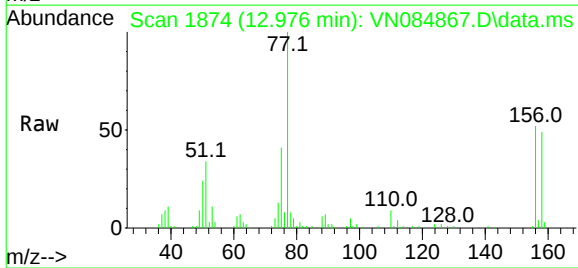
Tgt Ion:	156	Resp:	35881
Ion Ratio	Lower	Upper	
156	100		
77	219.6	0.0	427.6
158	95.4	0.0	191.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#74

n-propylbenzene

Concen: 18.570 ug/l

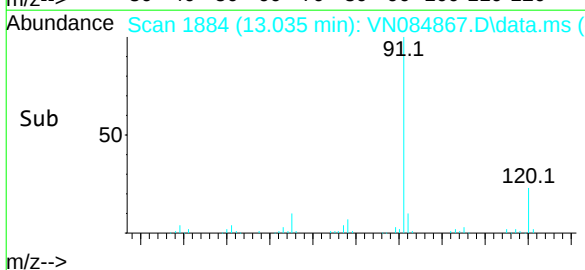
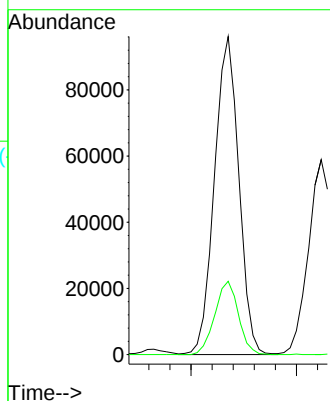
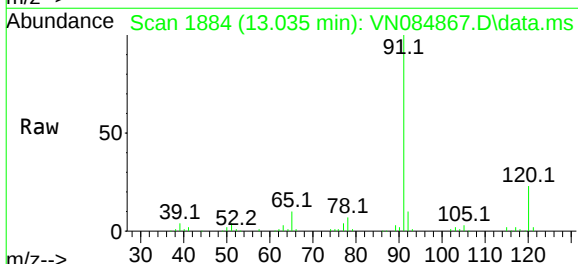
RT: 13.035 min Scan# 1884

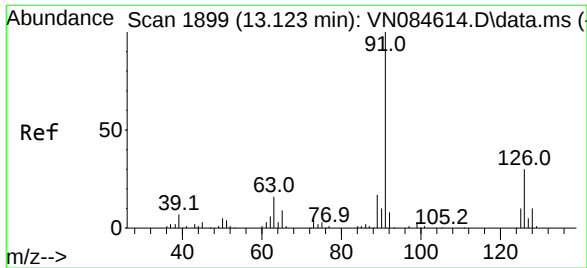
Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	91	Resp:	154569
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	44.0





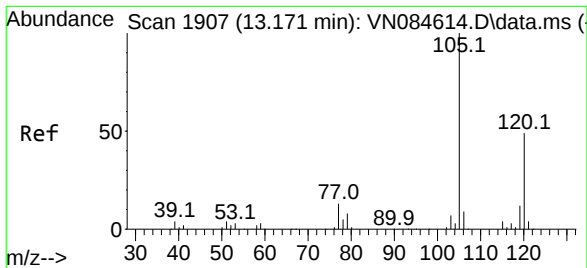
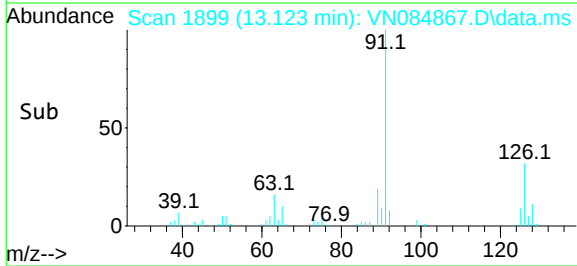
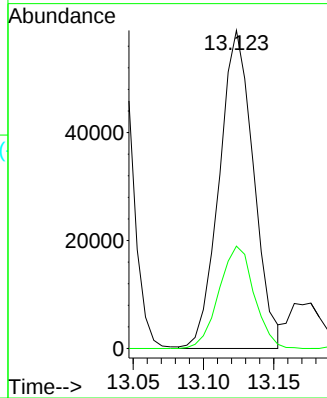
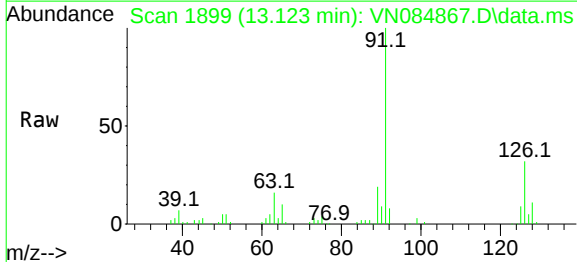
#75
2-Chlorotoluene
Concen: 18.470 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 100115
Ion Ratio Lower Upper
91 100
126 32.8 0.0 60.8

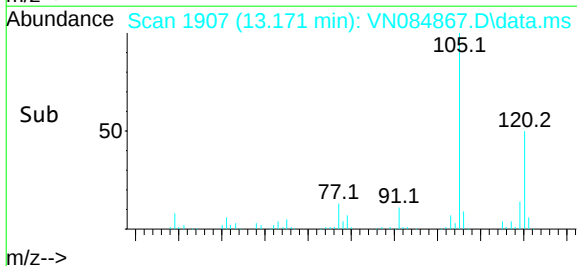
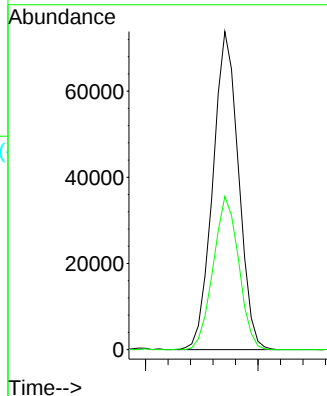
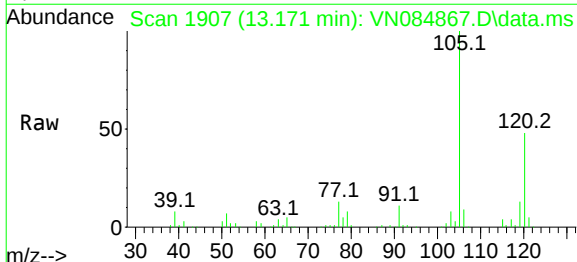
Manual Integrations
APPROVED

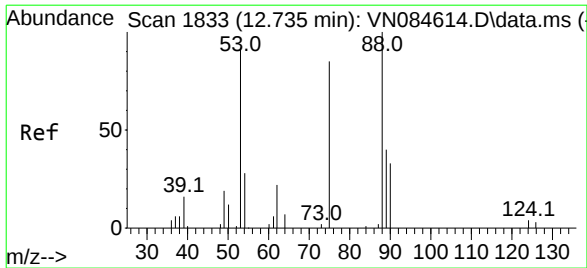
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.266 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:105 Resp: 117170
Ion Ratio Lower Upper
105 100
120 47.6 0.0 96.8





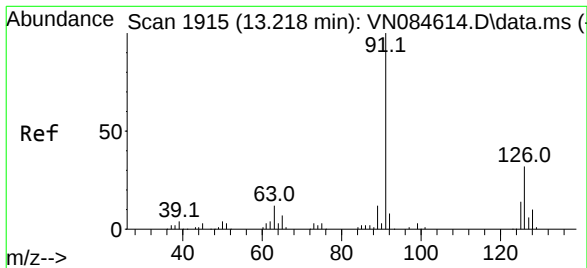
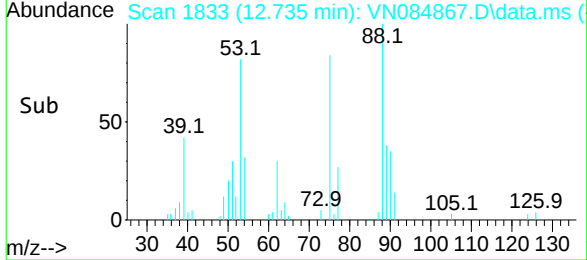
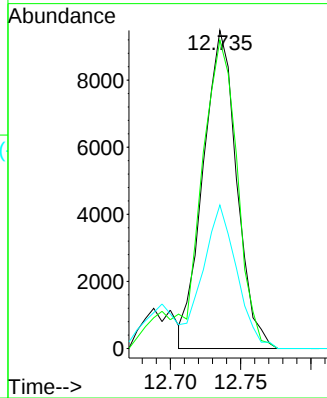
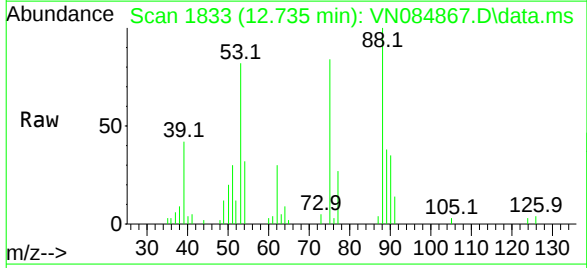
#77
t-1,4-Dichloro-2-butene
Concen: 19.504 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.0	52.4	157.2
89	45.1	26.0	78.0

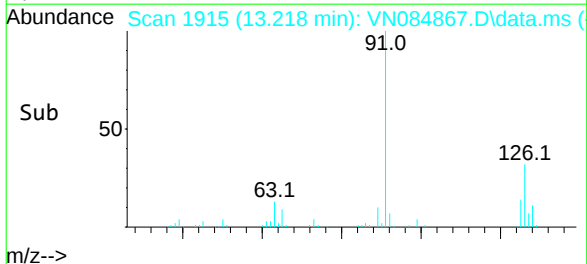
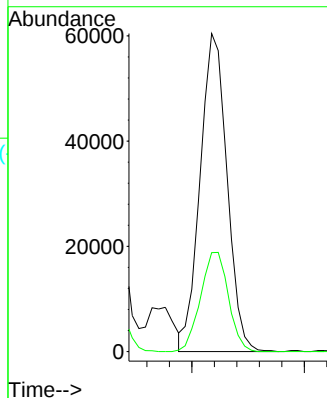
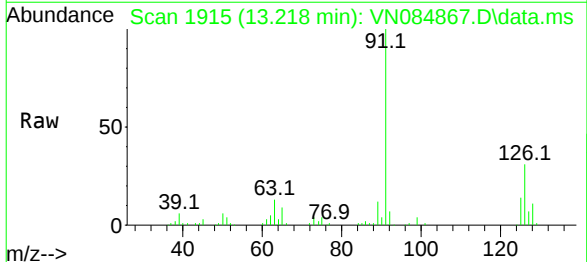
Manual Integrations
APPROVED

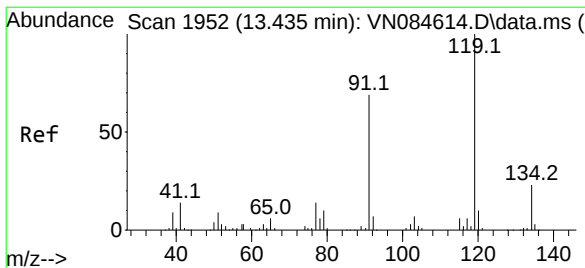
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#78
4-Chlorotoluene
Concen: 18.342 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	63.4





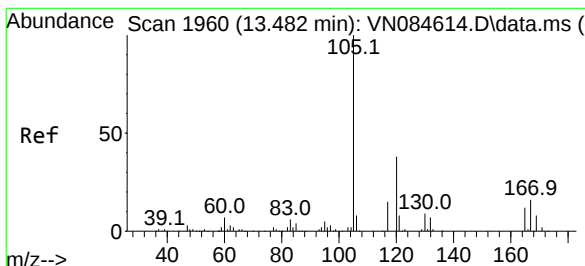
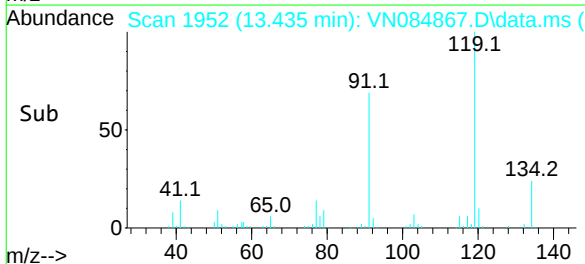
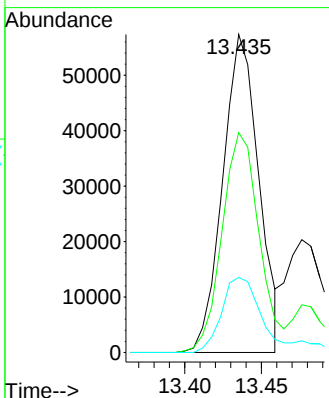
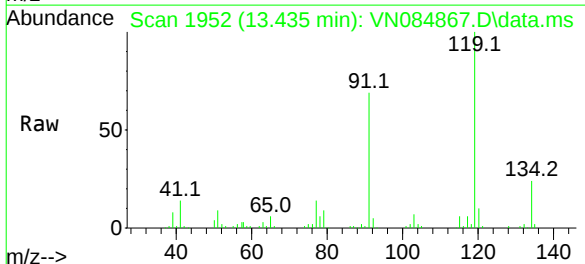
#79
tert-butylbenzene
Concen: 18.630 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 93698
Ion Ratio Lower Upper
119 100
91 71.5 0.0 143.2
134 25.6 0.0 49.4

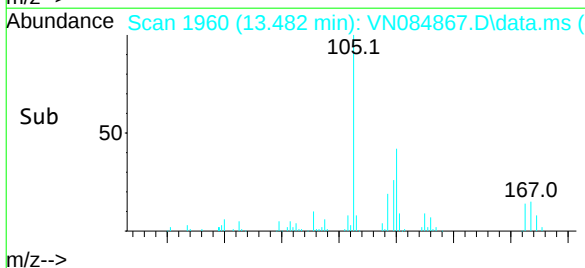
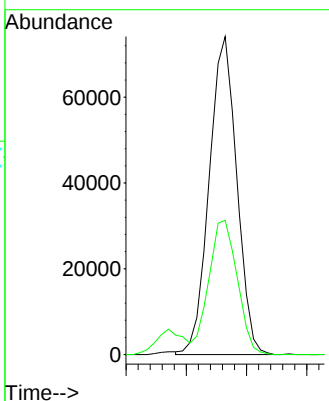
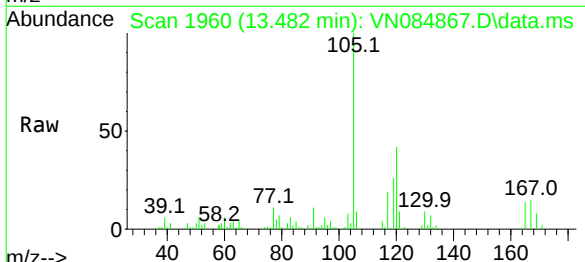
Manual Integrations
APPROVED

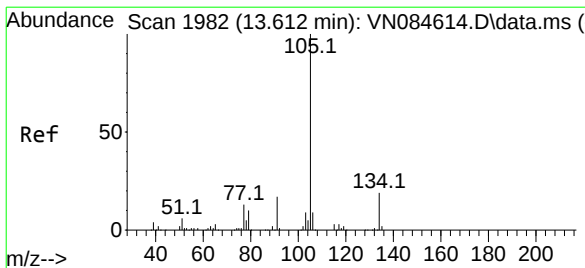
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#80
1,2,4-Trimethylbenzene
Concen: 19.231 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:105 Resp: 117990
Ion Ratio Lower Upper
105 100
120 43.7 0.0 90.4





#81

sec-Butylbenzene

Concen: 18.262 ug/l

RT: 13.618 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:105 Resp: 126560

Ion Ratio Lower Upper

105 100

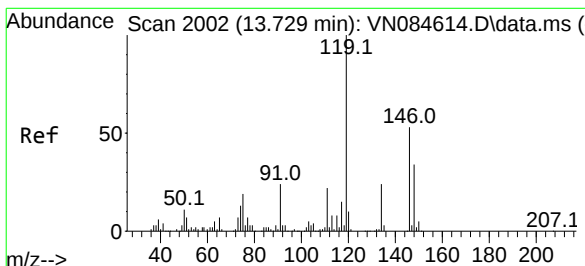
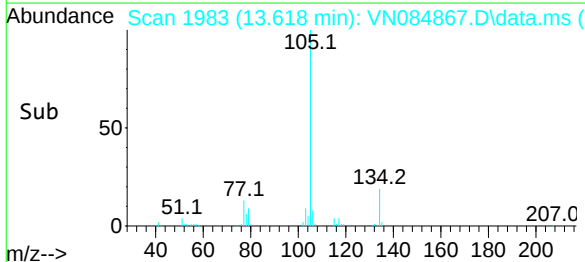
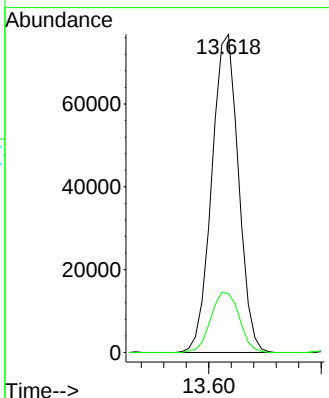
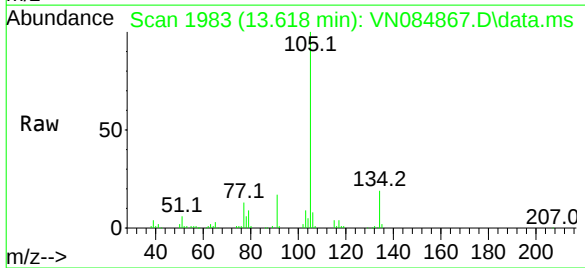
134 20.2 0.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#82

p-Isopropyltoluene

Concen: 18.229 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

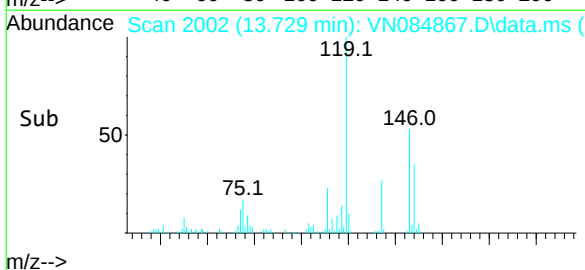
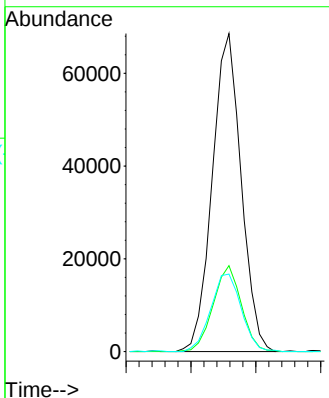
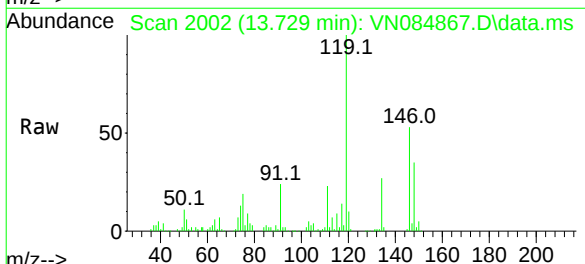
Tgt Ion:119 Resp: 106151

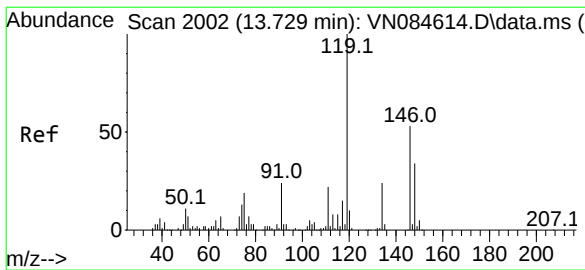
Ion Ratio Lower Upper

119 100

134 26.4 0.0 51.4

91 25.9 0.0 50.4





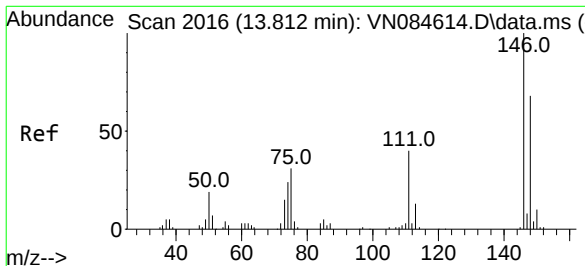
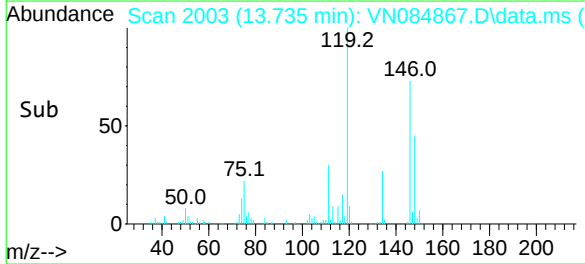
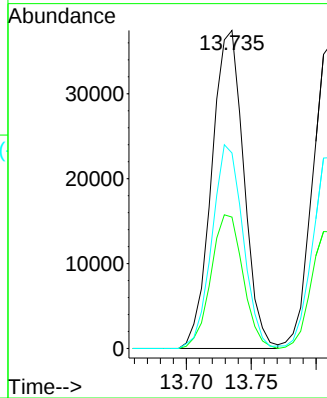
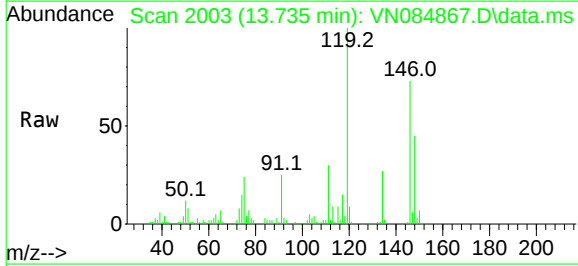
#83
1,3-Dichlorobenzene
Concen: 19.031 ug/l
RT: 13.735 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	61.8	31.3	93.8

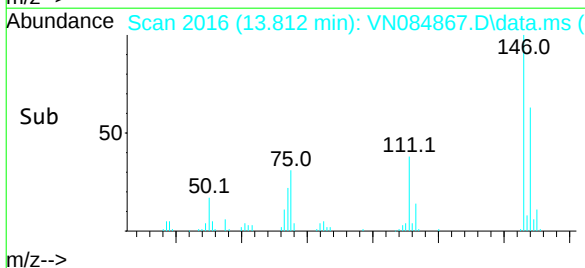
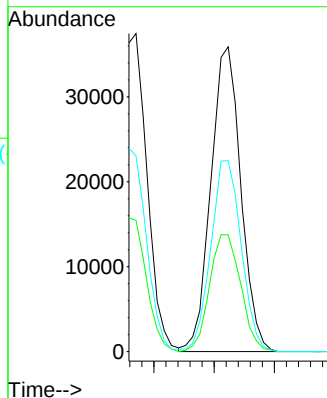
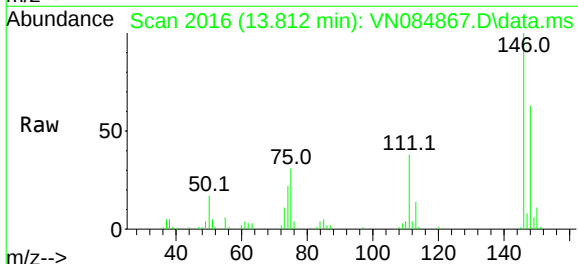
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APPROVED

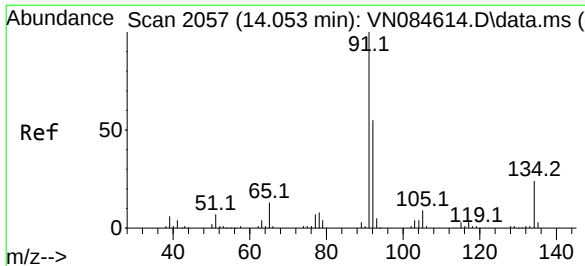
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#84
1,4-Dichlorobenzene
Concen: 18.520 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.5
148	63.8	32.6	98.0





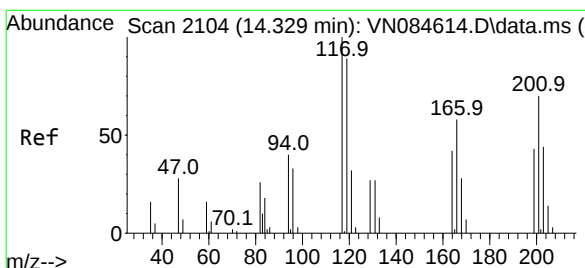
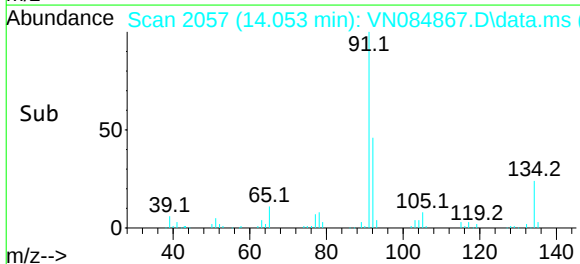
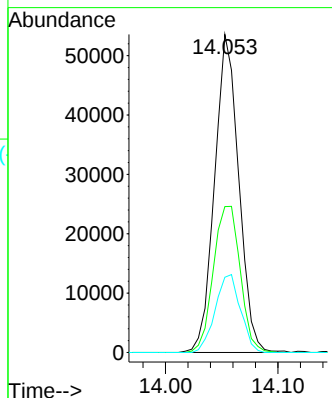
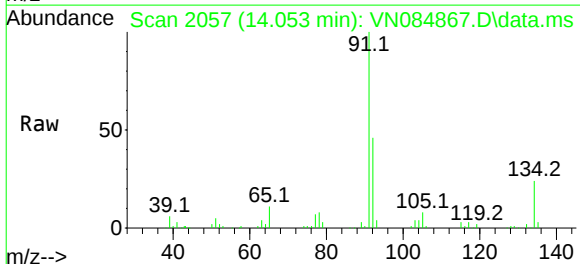
#85
n-Butylbenzene
Concen: 16.355 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 79989
Ion Ratio Lower Upper
91 100
92 51.1 0.0 106.2
134 25.6 0.0 48.2

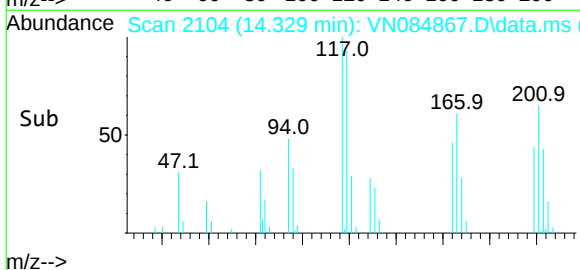
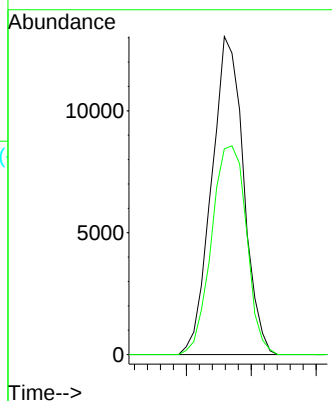
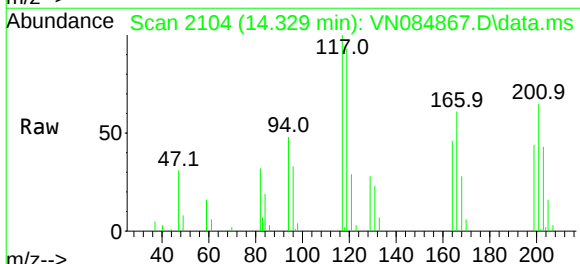
Manual Integrations
APPROVED

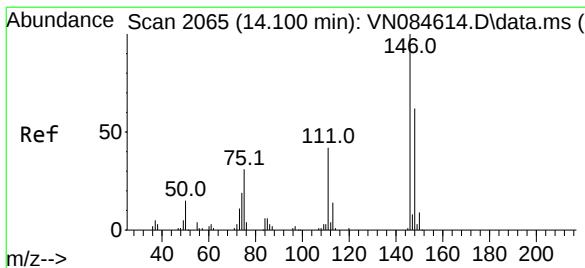
Reviewed By :John Carlone 11/17/2024
Supervised By :Mahesh Dadoda 11/18/2024



#86
Hexachloroethane
Concen: 18.750 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084867.D
Acq: 15 Nov 2024 13:49

Tgt Ion:117 Resp: 22330
Ion Ratio Lower Upper
117 100
201 71.7 34.4 103.3





#87

1,2-Dichlorobenzene

Concen: 19.403 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

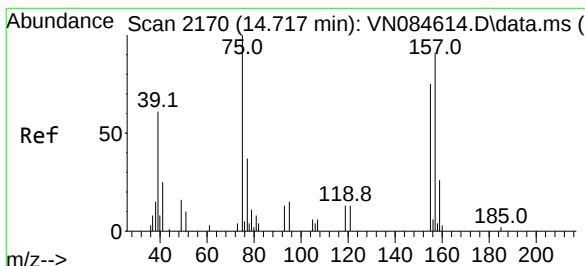
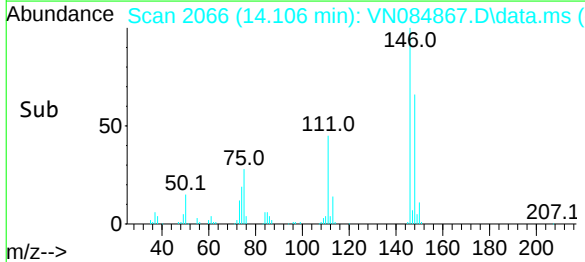
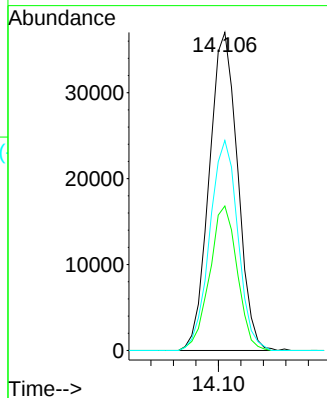
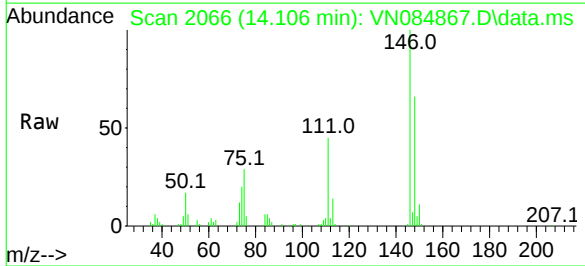
Tgt Ion:	146	Resp:	64917
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.4	67.0
148	65.5	32.6	98.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.435 ug/l

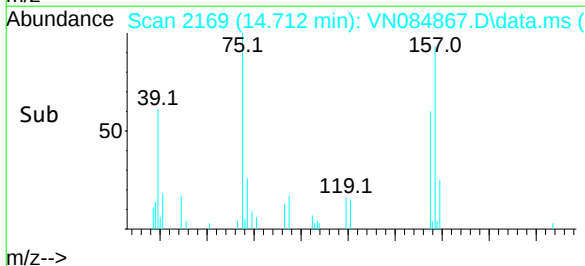
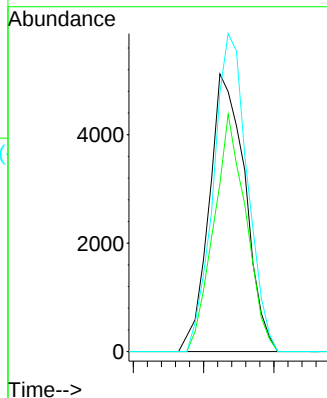
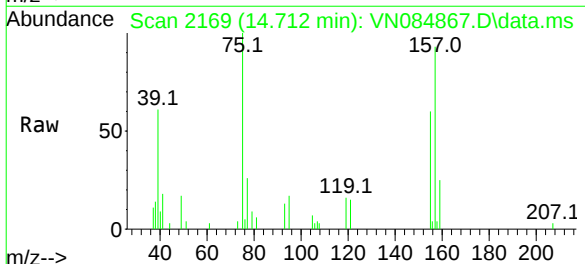
RT: 14.712 min Scan# 2169

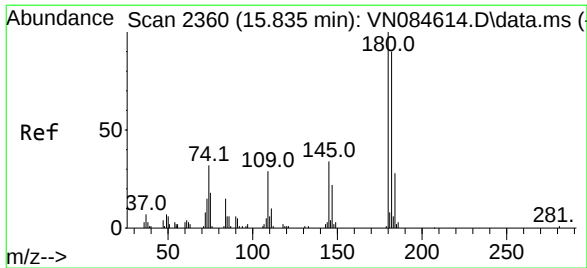
Delta R.T. -0.006 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	75	Resp:	9097
Ion Ratio	Lower	Upper	
75	100		
155	76.5	61.8	92.6
157	108.3	74.7	112.1





#89

1,2,4-Trichlorobenzene

Concen: 17.939 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

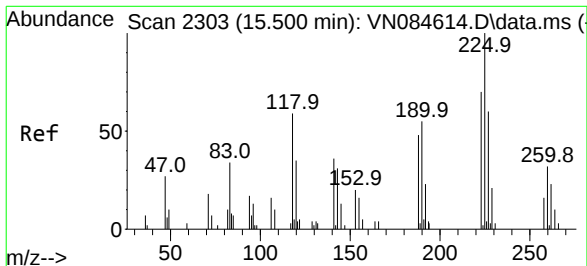
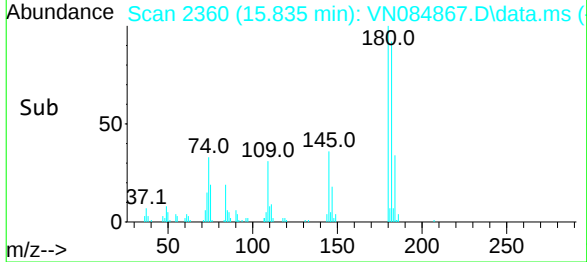
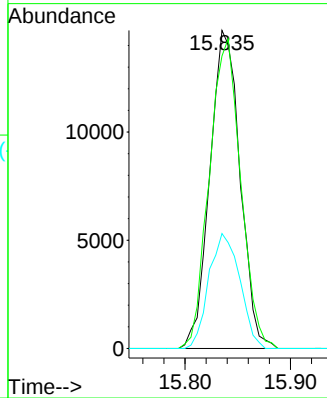
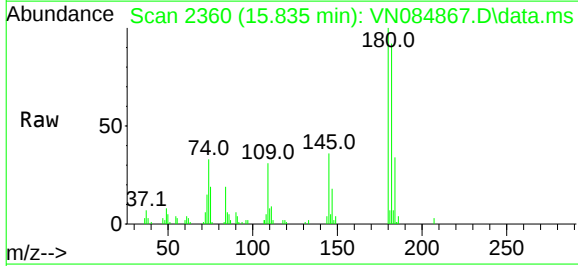
Tgt Ion:	180	Resp:	29223
Ion Ratio	Lower	Upper	
180	100		
182	101.0	73.0	109.6
145	37.0	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#90

Hexachlorobutadiene

Concen: 20.439 ug/l

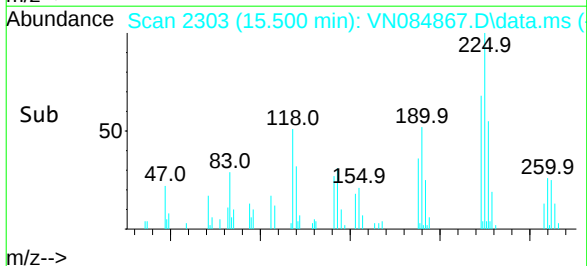
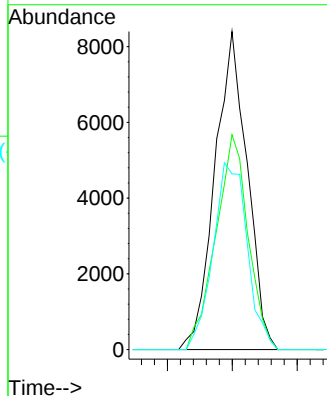
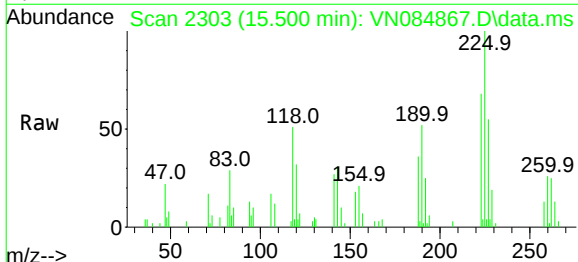
RT: 15.500 min Scan# 2303

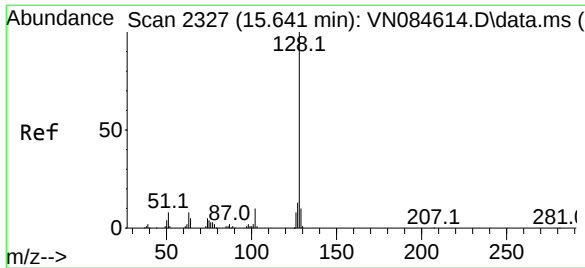
Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	225	Resp:	14544
Ion Ratio	Lower	Upper	
225	100		
223	67.7	0.0	138.8
227	62.0	0.0	123.2





#91

Naphthalene

Concen: 17.460 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

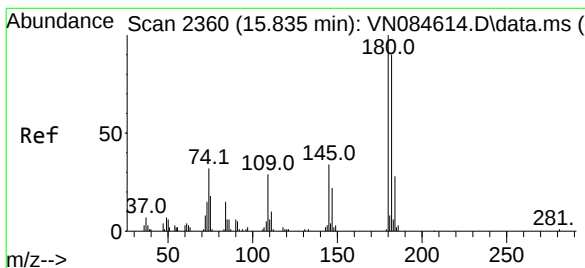
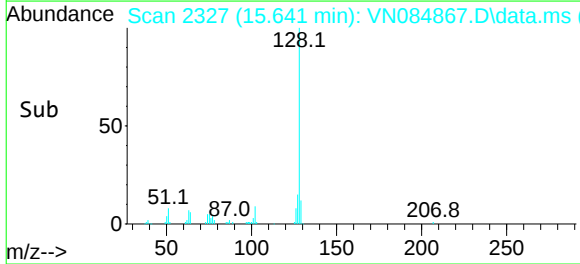
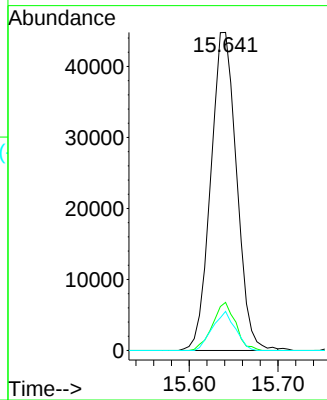
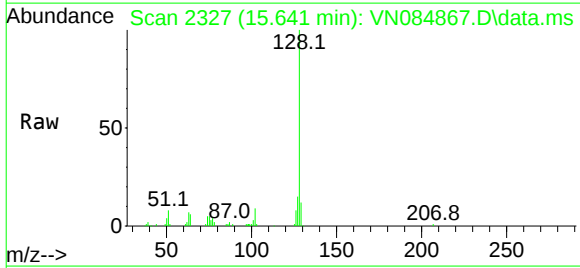
Tgt Ion:	128	Resp:	90833
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2024

Supervised By :Mahesh Dadoda 11/18/2024



#92

1,2,3-Trichlorobenzene

Concen: 17.939 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN084867.D

Acq: 15 Nov 2024 13:49

Tgt Ion:	180	Resp:	29223
Ion Ratio	Lower	Upper	
180	100		
182	101.0	0.0	182.6
145	37.0	0.0	66.2

