

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082038.D
 Acq On : 08 May 2024 19:37
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: May 09 01:06:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	26750	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.106	114	162627	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	144693	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71692	32.011	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 106.700%		
60) 4-Bromofluorobenzene	12.847	95	70450	29.257	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 97.533%		
63) Toluene-d8	10.571	98	208394	30.327	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 101.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	31145	20.511	ug/l	85
3) Chloromethane	2.359	50	36901	20.955	ug/l	99
4) Vinyl Chloride	2.518	62	36754	22.094	ug/l	100
5) Bromomethane	2.959	94	15920	18.340	ug/l	95
6) Chloroethane	3.118	64	23757	25.220	ug/l	96
7) Trichlorofluoromethane	3.501	101	50227	20.634	ug/l	87
8) Diethyl Ether	3.965	74	24688	20.951	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.365	101	32251m	19.326	ug/l	
10) 1,1-Dichloroethene	4.348	96	33403m	20.460	ug/l	
11) Methyl Iodide	4.589	142	28843	19.331	ug/l	89
12) Methyl Acetate	5.030	43	54915	26.863	ug/l #	77
13) Acrolein	4.189	56	26206	60.317	ug/l	99
14) Acrylonitrile	5.718	53	112387	120.458	ug/l #	89
15) Acetone	4.430	58	24899m	119.094	ug/l	
16) Carbon Disulfide	4.718	76	79408	17.556	ug/l	97
17) Allyl chloride	5.030	41	61777	21.552	ug/l	81
18) Methylene Chloride	5.277	84	39888	21.473	ug/l	87
19) trans-1,2-Dichloroethene	5.795	96	32897	19.358	ug/l	95
20) Diisopropyl ether	6.677	45	143766	22.669	ug/l #	93
21) 1,1-Dichloroethane	6.571	63	75819	22.578	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	46151	22.286	ug/l	96
23) tert-Butyl Alcohol	5.524	59	41653	108.384	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	125075	21.250	ug/l #	91
25) Chloroform	7.971	83	74227	22.976	ug/l	94
26) Cyclohexane	8.259	56	58973	20.309	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	48459	20.015	ug/l	96
30) 2-Butanone	7.483	43	143203	114.744	ug/l	94
31) 2,2-Dichloropropane	7.489	77	56147	22.630	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	57002	20.471	ug/l #	90
33) Carbon Tetrachloride	8.365	117	45879	20.302	ug/l	96
34) Benzene	8.612	78	164935	21.354	ug/l	95
35) Methacrylonitrile	7.783	41	34926	22.120	ug/l	83
36) 1,2-Dichloroethane	8.677	62	56129m	21.647	ug/l	
37) Trichloroethene	9.353	130	32383	17.117	ug/l	85
38) Methylcyclohexane	9.600	83	57090	19.519	ug/l	96
39) 1,2-Dichloropropane	9.630	63	45384	22.899	ug/l	93
40) Dibromomethane	9.706	93	28178	22.132	ug/l	82
41) Bromodichloromethane	9.894	83	57776	21.231	ug/l #	96
42) Vinyl Acetate	6.606	43	577770	108.767	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	54143	19.898	ug/l	94
44) Isopropyl Acetate	8.688	43	109244	22.614	ug/l	90
45) 1,4-Dioxane	9.694	88	17255	445.386	ug/l #	92
46) Methyl methacrylate	9.682	41	51619	23.389	ug/l	79
47) n-amyl Acetate	12.494	43	93352	21.425	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	59748	20.246	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	67006	21.476	ug/l #	81
50) 1,1,2-Trichloroethane	11.018	97	39315	22.760	ug/l	96
51) Ethyl methacrylate	10.877	69	68006	20.860	ug/l	72
52) 1,3-Dichloropropane	11.165	76	69147	21.789	ug/l	99
53) Dibromochloromethane	11.365	129	37303	19.849	ug/l	94
54) 1,2-Dibromoethane	11.471	107	37020	21.490	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	169948	104.248	ug/l	95
56) Bromoform	12.582	173	20790	18.176	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	323126	115.012	ug/l #	87
59) 2-Hexanone	11.200	43	240348m	115.381	ug/l	
61) Tetrachloroethene	11.106	164	26506	16.509	ug/l	92
62) Toluene	10.629	91	166501	20.452	ug/l	96
64) Chlorobenzene	11.894	112	104556	20.997	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	32190	19.751	ug/l	93
66) Ethyl Benzene	11.965	91	186040	20.847	ug/l	97
67) m/p-Xylenes	12.076	106	134052	40.516	ug/l	97
68) o-Xylene	12.400	106	69000	21.078	ug/l	96
69) Styrene	12.412	104	113108	20.583	ug/l	100
70) Isopropylbenzene	12.700	105	169595	20.399	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	59251	24.765	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	49440m	22.103	ug/l	
73) Bromobenzene	12.982	156	34798	19.553	ug/l	71
74) n-propylbenzene	13.035	91	205914	20.993	ug/l	98
75) 2-Chlorotoluene	13.123	91	121365	20.001	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	132870	19.745	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	19937	20.026	ug/l	95
78) 4-Chlorotoluene	13.223	91	120777	20.317	ug/l	98
79) tert-butylbenzene	13.441	119	115639	19.958	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	137083	20.280	ug/l	99
81) sec-Butylbenzene	13.618	105	170901	21.042	ug/l	95
82) p-Isopropyltoluene	13.729	119	129512	20.166	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	63204	19.723	ug/l	96
84) 1,4-Dichlorobenzene	13.818	146	64381	19.988	ug/l	96
85) n-Butylbenzene	14.059	91	120487	20.538	ug/l	98
86) Hexachloroethane	14.341	117	25313	19.767	ug/l	75
87) 1,2-Dichlorobenzene	14.106	146	64039	20.064	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.729	75	11148	20.765	ug/l #	79
89) 1,2,4-Trichlorobenzene	15.841	180	32569	18.532	ug/l	98
90) Hexachlorobutadiene	15.506	225	10210	15.687	ug/l	98
91) Naphthalene	15.641	128	127102	19.025	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	32569	18.532	ug/l	98

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

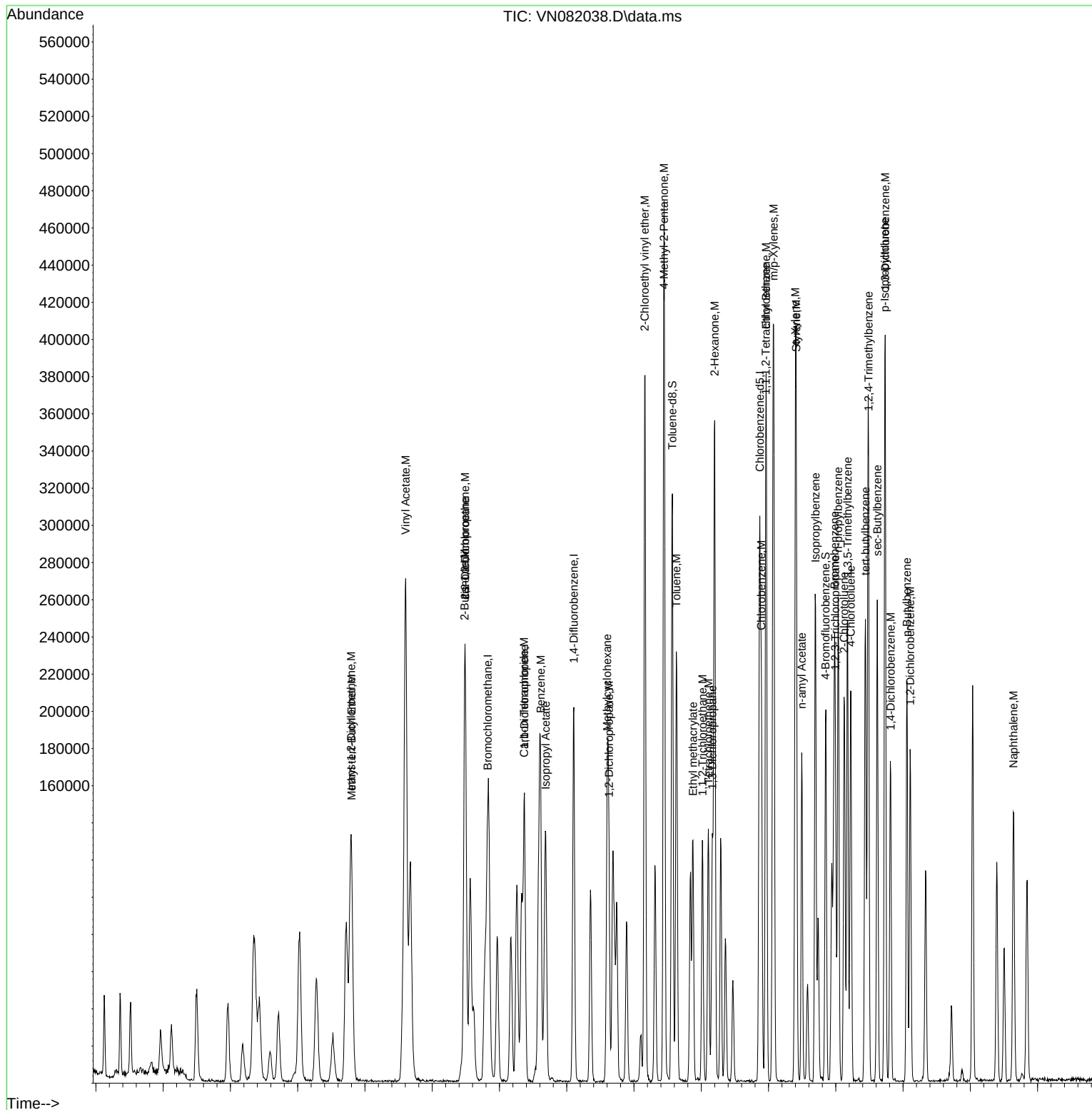
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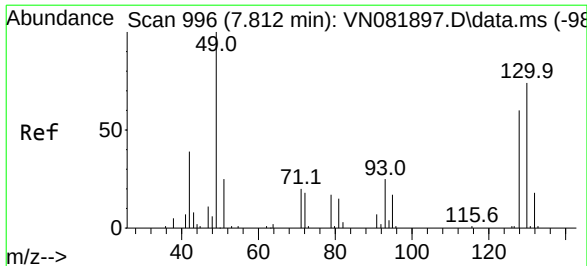
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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

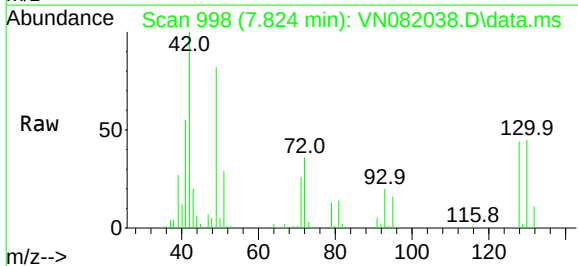
Quant Time: May 09 01:06:18 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 996
Delta R.T. 0.012 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

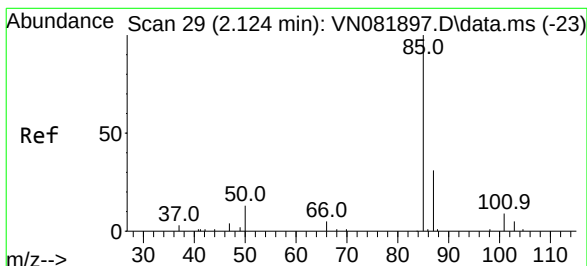
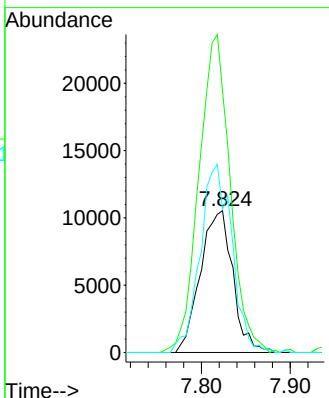
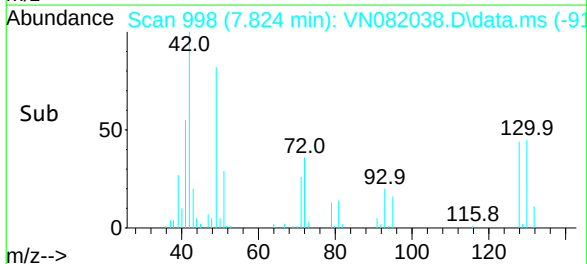
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 26750
Ion Ratio Lower Upper
128 100
49 216.2 0.0 403.7
130 129.9 0.0 323.3

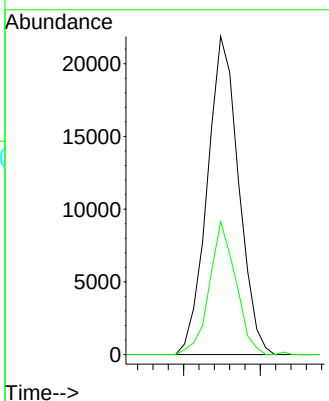
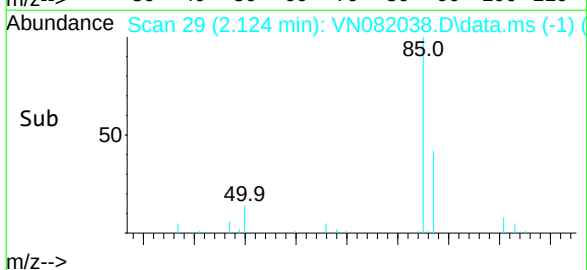
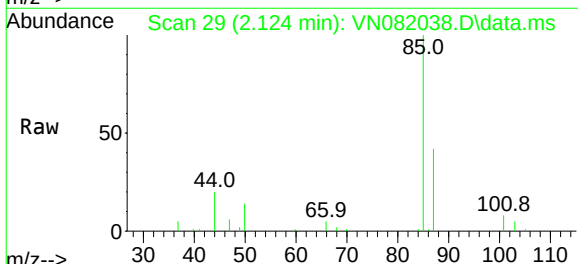
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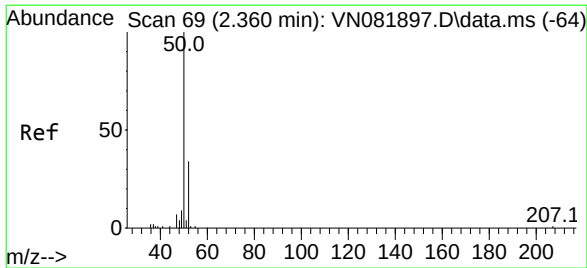
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#2
Dichlorodifluoromethane
Concen: 20.511 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

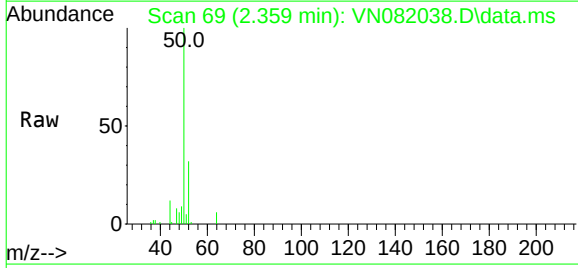
Tgt Ion: 85 Resp: 31145
Ion Ratio Lower Upper
85 100
87 41.8 16.8 50.3





#3
Chloromethane
Concen: 20.955 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

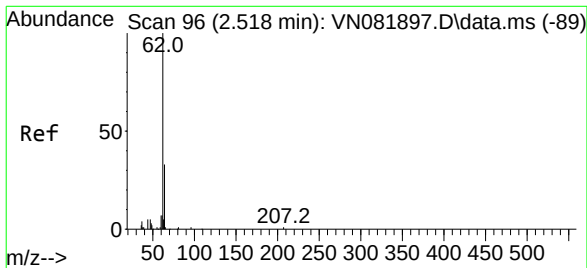
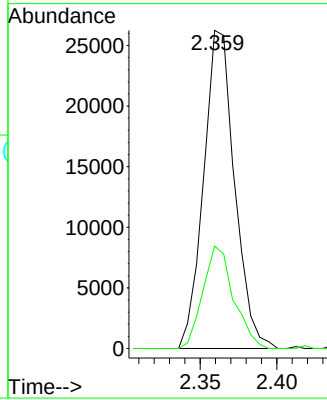
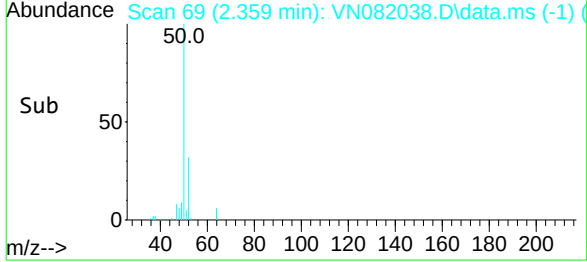
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Tgt Ion: 50 Resp: 36901
Ion Ratio Lower Upper
50 100
52 32.2 25.4 38.0

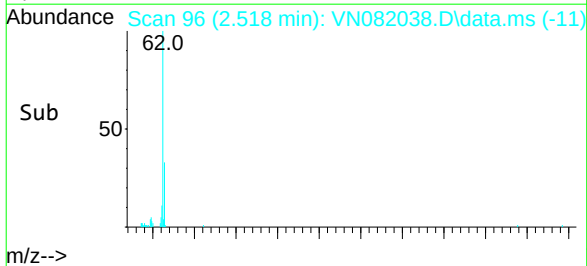
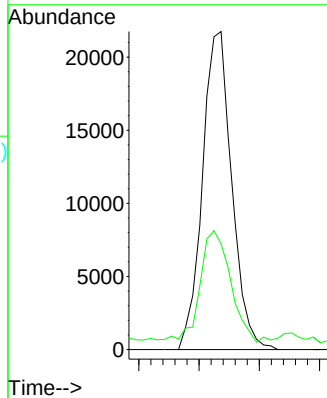
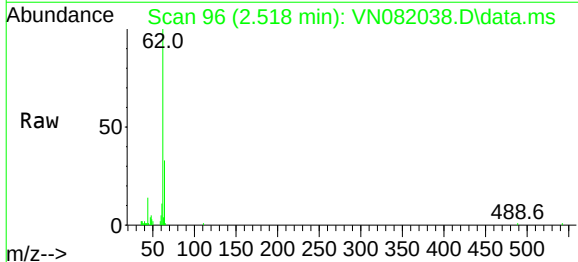
Manual Integrations
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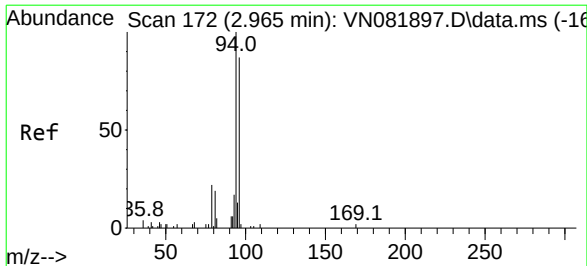
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#4
Vinyl Chloride
Concen: 22.094 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion: 62 Resp: 36754
Ion Ratio Lower Upper
62 100
64 29.9 24.1 36.1





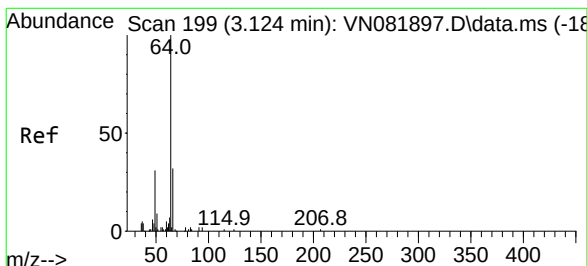
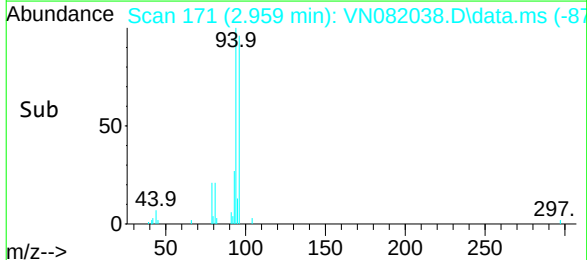
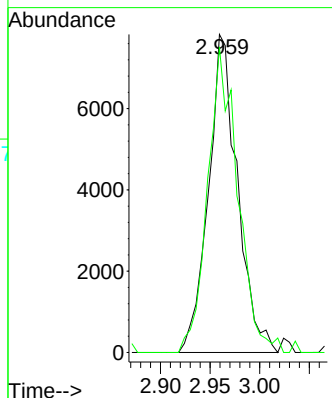
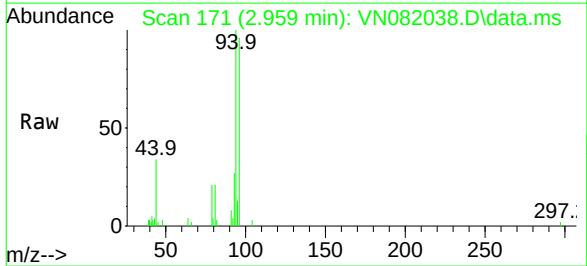
#5
Bromomethane
Concen: 18.340 ug/l
RT: 2.959 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

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Tgt Ion: 94 Resp: 15920
Ion Ratio Lower Upper
94 100
96 96.1 72.8 109.2

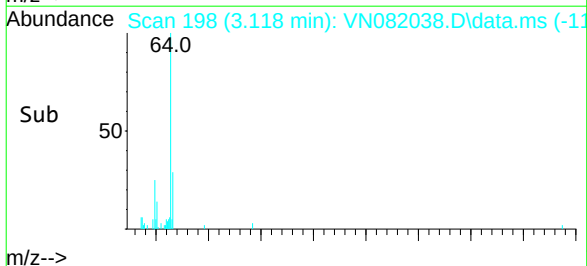
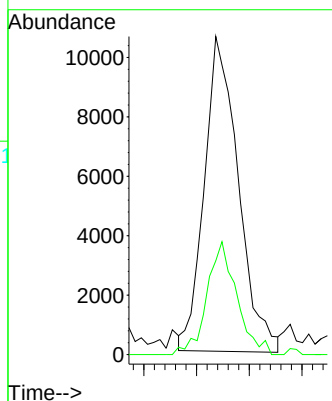
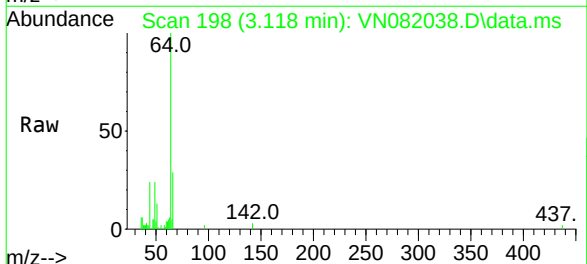
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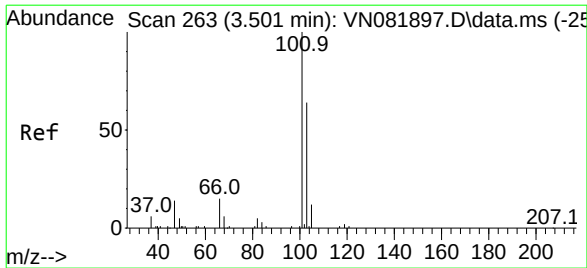
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#6
Chloroethane
Concen: 25.220 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion: 64 Resp: 23757
Ion Ratio Lower Upper
64 100
66 31.2 26.7 40.1





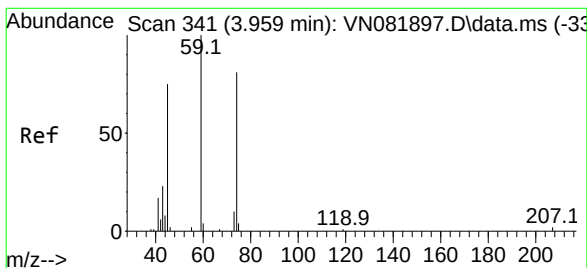
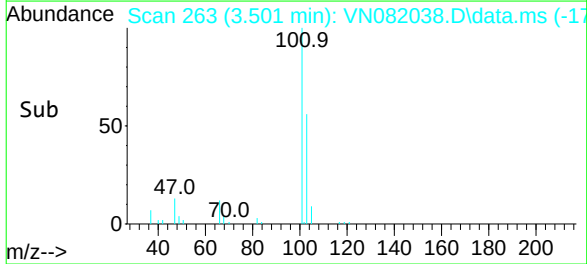
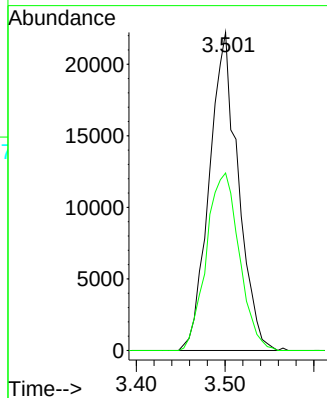
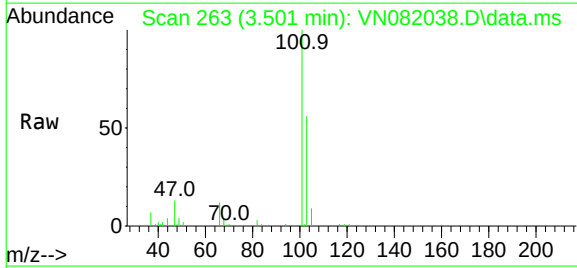
#7
 Trichlorofluoromethane
 Concen: 20.634 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VN082038.D
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Instrument :
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Tgt Ion: 101 Resp: 50227
 Ion Ratio Lower Upper
 101 100
 103 55.8 53.0 79.4

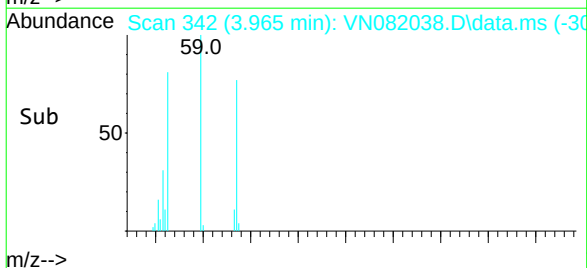
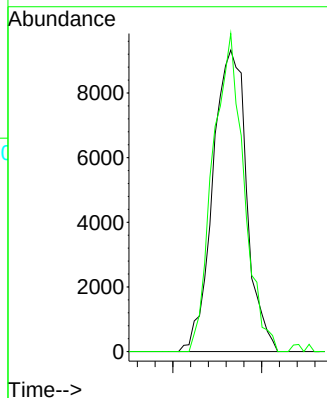
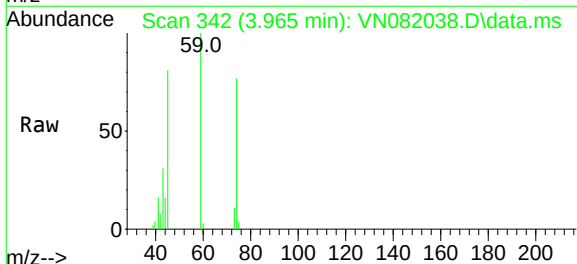
Manual Integrations
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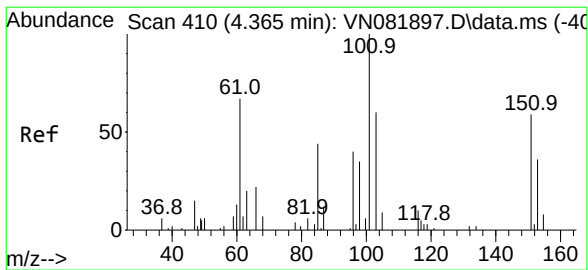
Reviewed By : John Carlone 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024



#8
 Diethyl Ether
 Concen: 20.951 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

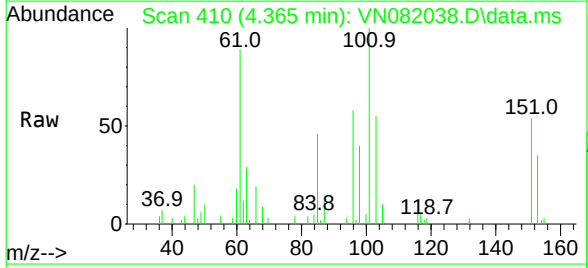
Tgt Ion: 74 Resp: 24688
 Ion Ratio Lower Upper
 74 100
 45 96.2 16.4 147.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.326 ug/l m
RT: 4.365 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN082038.D
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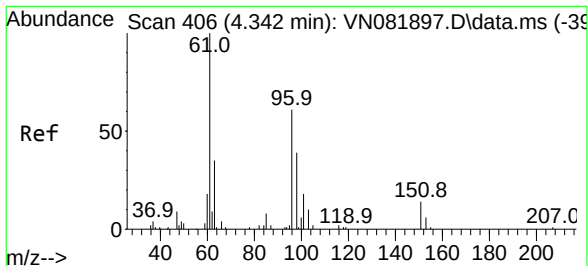
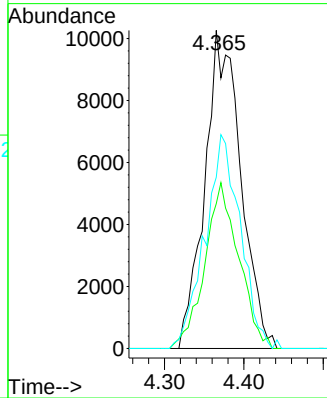
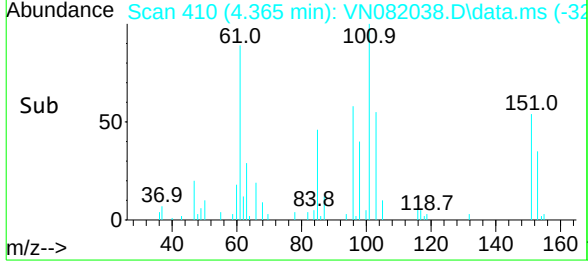
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ClientSampleId :
VSTDCCC020EC



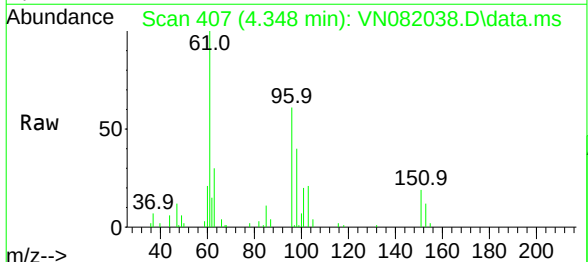
Tgt Ion: 101 Resp: 32251
Ion Ratio Lower Upper
101 100
85 49.3 0.0 90.6
151 65.8 0.0 157.6

Manual Integrations
APPROVED

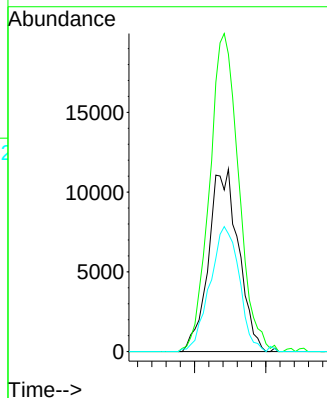
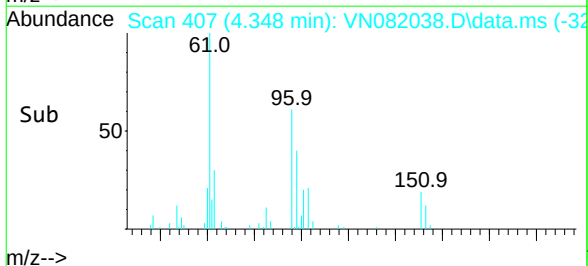
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

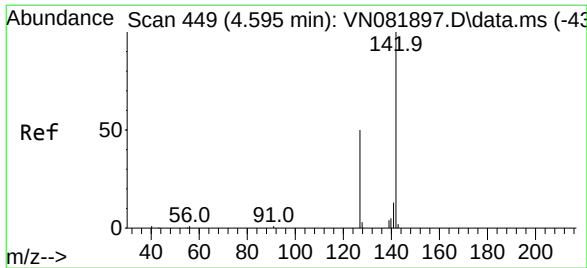


#10
1,1-Dichloroethene
Concen: 20.460 ug/l m
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37



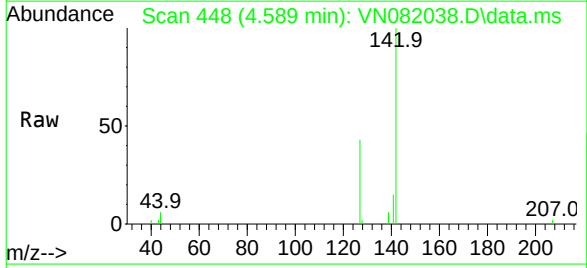
Tgt Ion: 96 Resp: 33403
Ion Ratio Lower Upper
96 100
61 162.9 117.6 176.4
98 64.5 48.4 72.6





#11
Methyl Iodide
Concen: 19.331 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

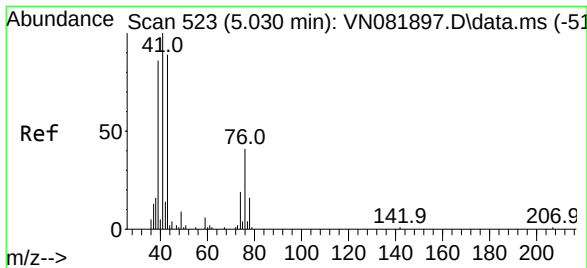
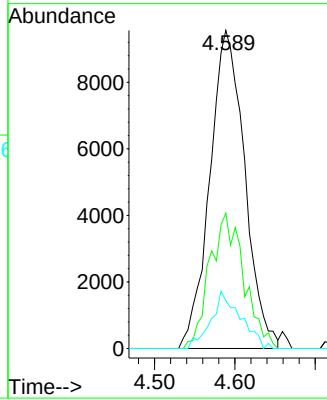
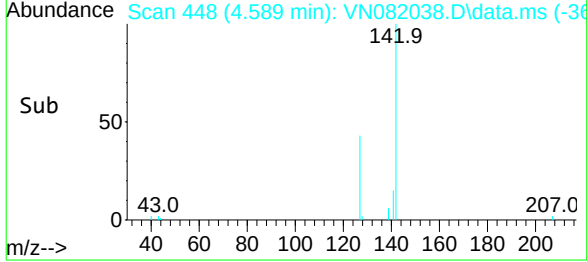
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:	142	Resp:	28843
Ion	Ratio	Lower	Upper
142	100		
127	43.1	26.3	78.9
141	15.3	8.3	24.9

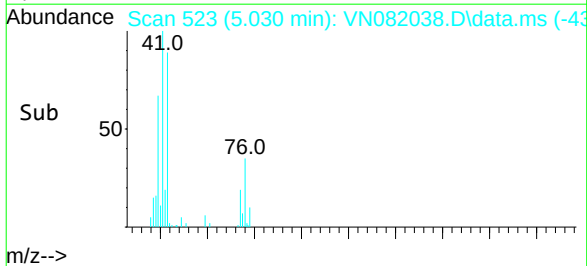
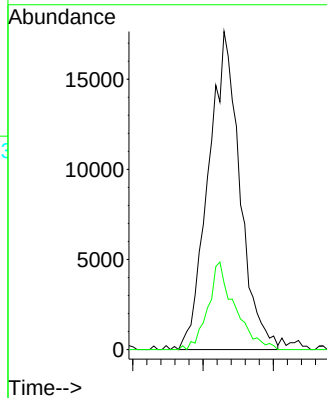
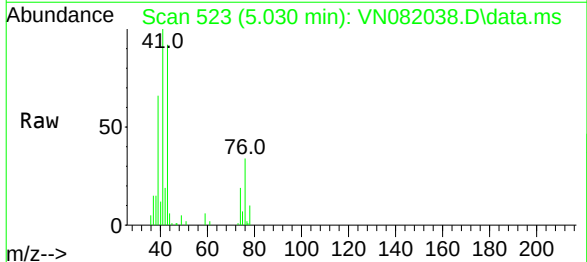
Manual Integrations
APPROVED

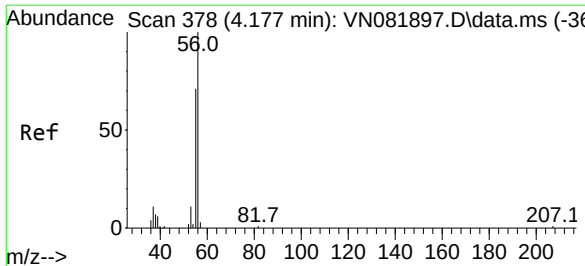
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#12
Methyl Acetate
Concen: 26.863 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:	43	Resp:	54915
Ion	Ratio	Lower	Upper
43	100		
74	21.1	27.7	41.5#





#13

Acrolein

Concen: 60.317 ug/l

RT: 4.189 min Scan# 38

Delta R.T. 0.012 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 26206

Ion Ratio Lower Upper

56 100

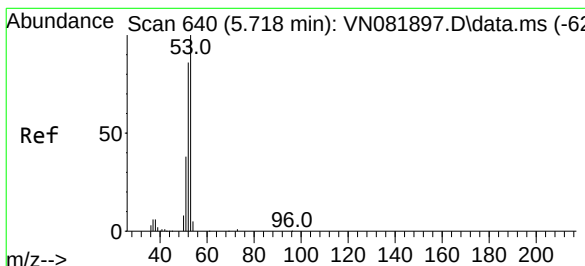
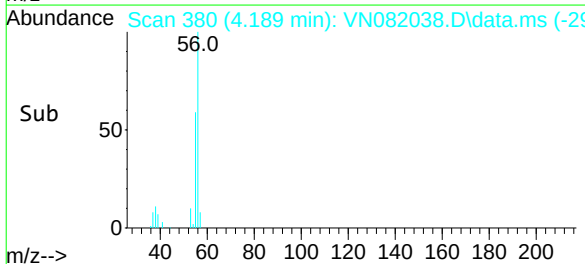
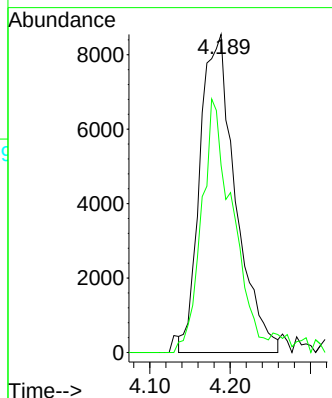
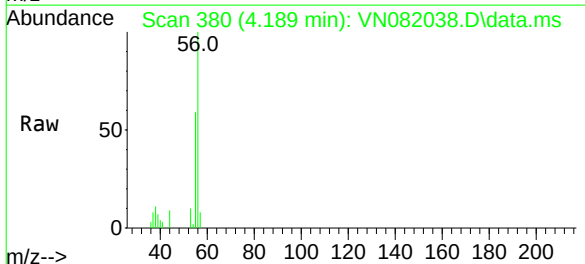
55 70.0 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#14

Acrylonitrile

Concen: 120.458 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

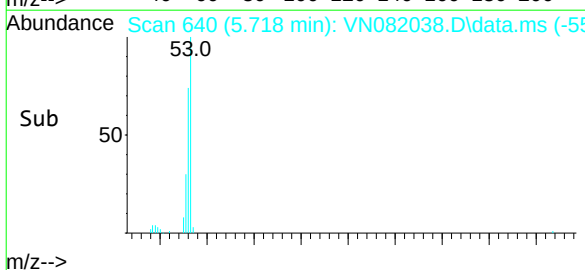
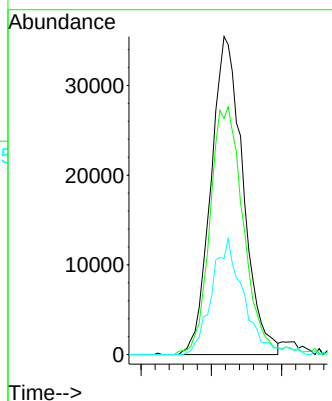
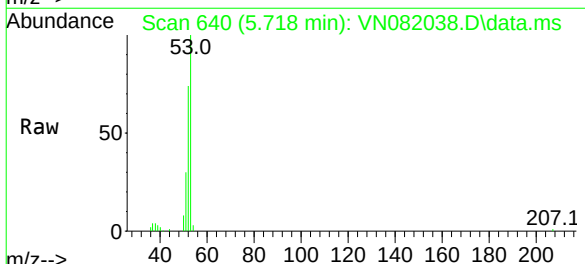
Tgt Ion: 53 Resp: 112387

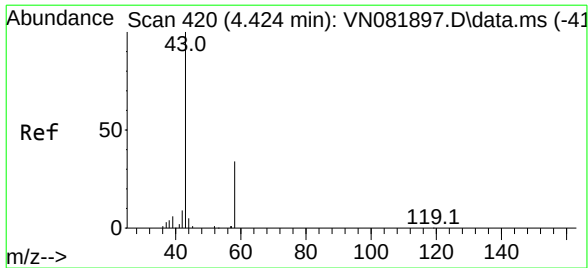
Ion Ratio Lower Upper

53 100

52 80.4 41.3 123.9

51 15.5 16.8 50.3#





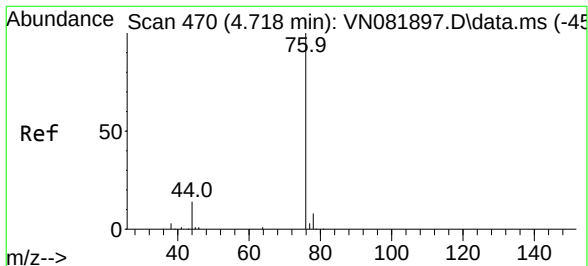
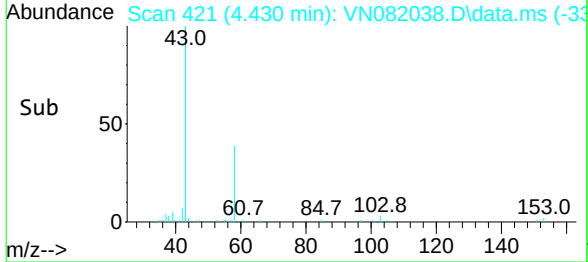
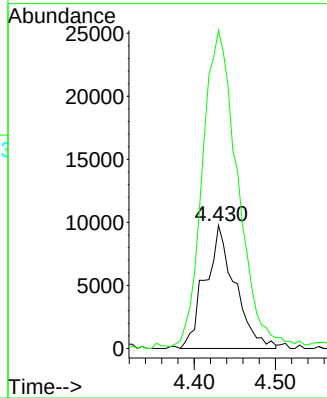
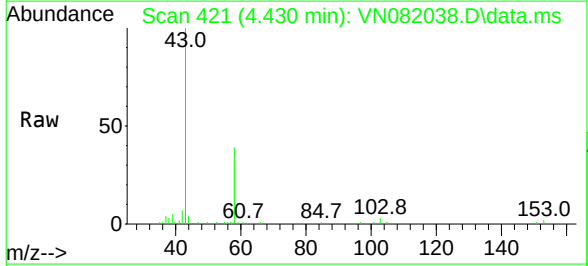
#15
Acetone
Concen: 119.094 ug/l m
RT: 4.430 min Scan# 42
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 58 Resp: 24899
Ion Ratio Lower Upper
58 100
43 258.5 223.1 334.7

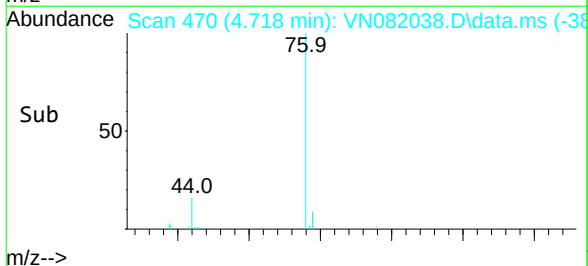
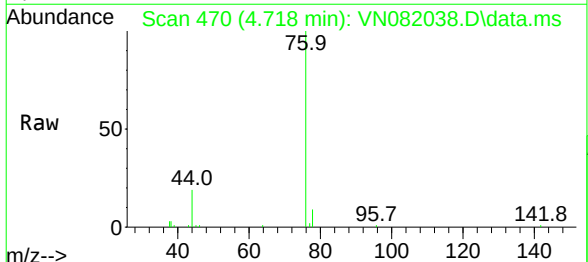
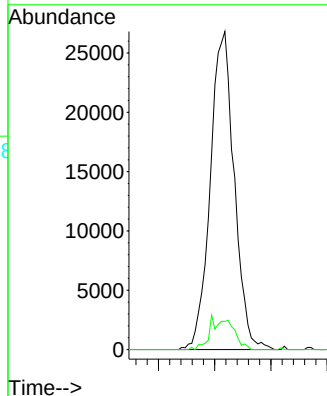
Manual Integrations
APPROVED

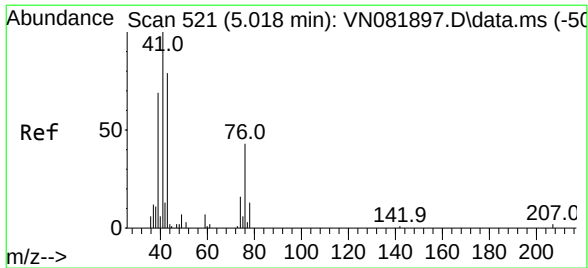
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#16
Carbon Disulfide
Concen: 17.556 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

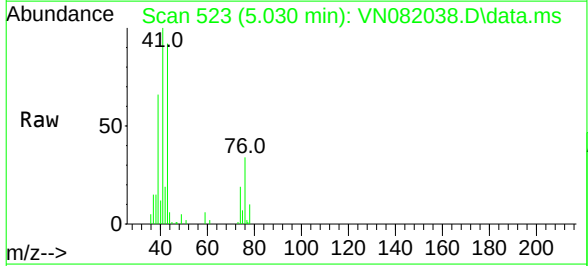
Tgt Ion: 76 Resp: 79408
Ion Ratio Lower Upper
76 100
78 8.9 6.3 9.5





#17
 Allyl chloride
 Concen: 21.552 ug/l
 RT: 5.030 min Scan# 521
 Delta R.T. 0.012 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

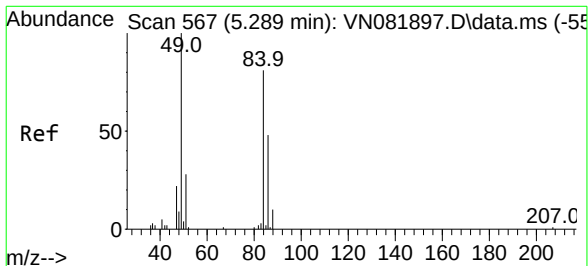
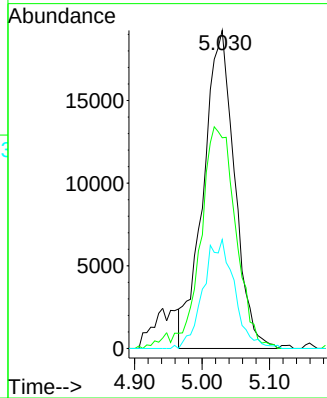
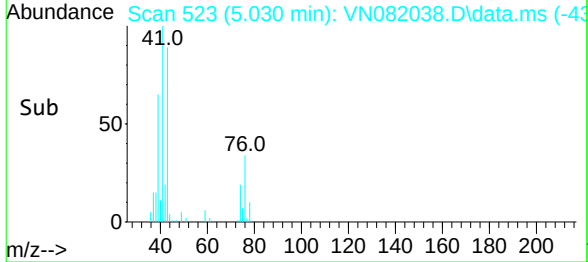
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



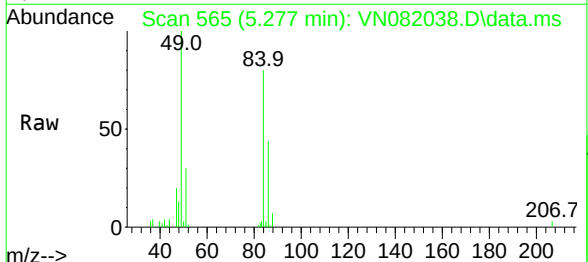
Tgt Ion: 41 Resp: 61777
 Ion Ratio Lower Upper
 41 100
 39 66.3 37.6 112.9
 76 34.3 27.8 83.4

Manual Integrations
 APPROVED

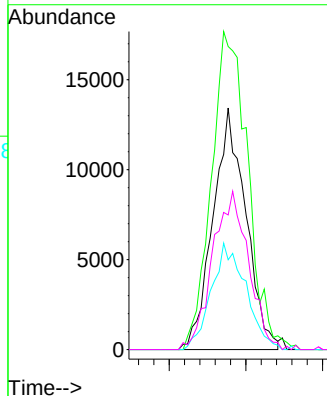
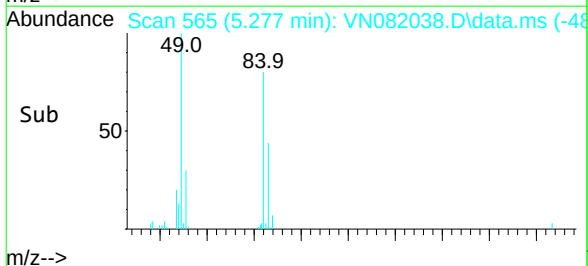
Reviewed By :John Carlone 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

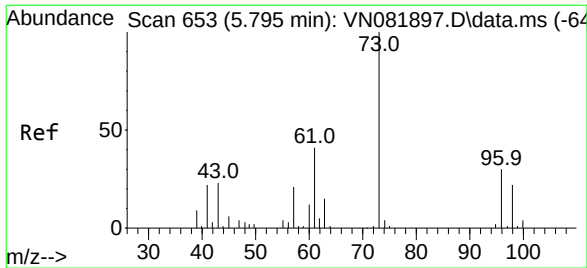


#18
 Methylene Chloride
 Concen: 21.473 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. -0.012 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37



Tgt Ion: 84 Resp: 39888
 Ion Ratio Lower Upper
 84 100
 49 125.5 86.0 129.0
 51 37.2 30.0 45.0
 86 55.7 53.0 79.4





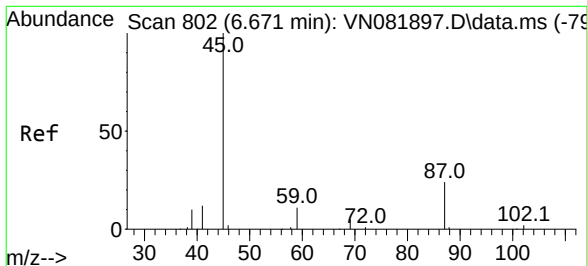
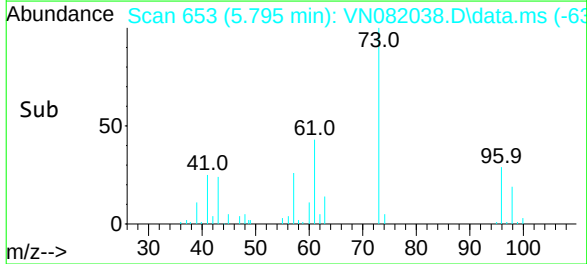
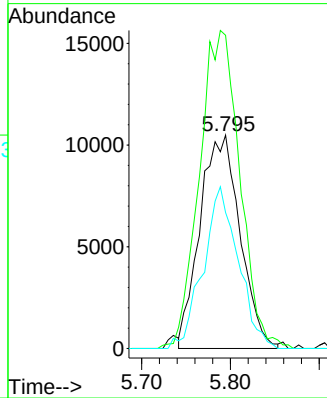
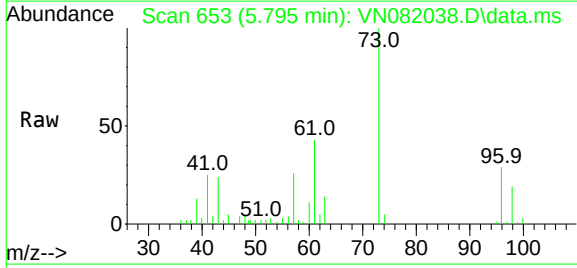
#19
trans-1,2-Dichloroethene
Concen: 19.358 ug/l
RT: 5.795 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	96	Resp:	32897
Ion	Ratio	Lower	Upper
96	100		
61	145.9	111.8	167.6
98	65.1	49.2	73.8

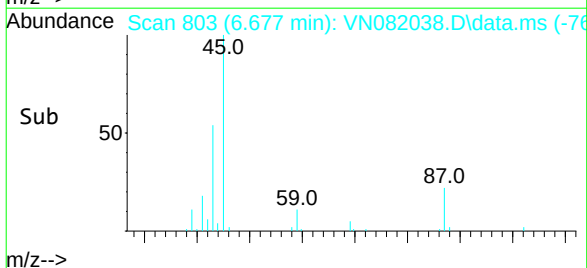
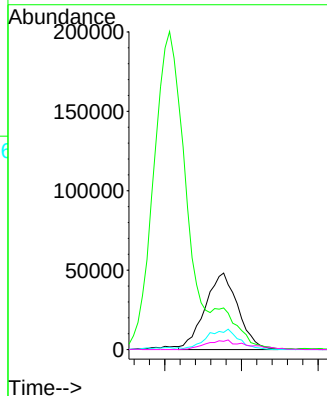
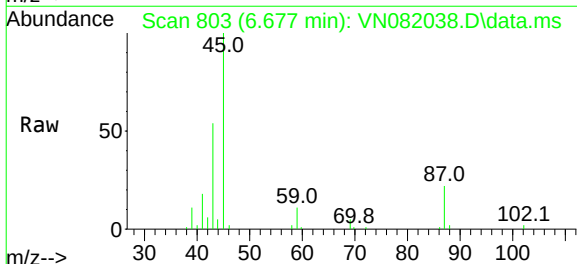
Manual Integrations
APPROVED

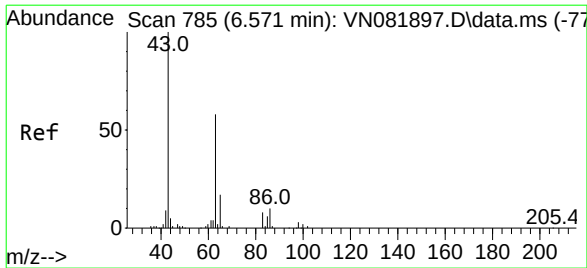
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#20
Diisopropyl ether
Concen: 22.669 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

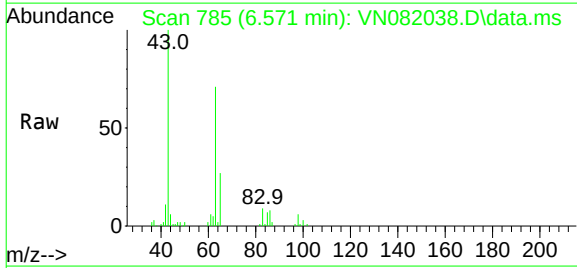
Tgt Ion:	45	Resp:	143766
Ion	Ratio	Lower	Upper
45	100		
43	53.4	40.4	60.6
87	22.6	23.8	35.8#
59	10.9	9.8	14.6





#21
1,1-Dichloroethane
Concen: 22.578 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

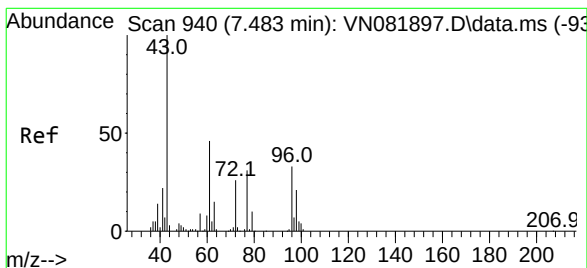
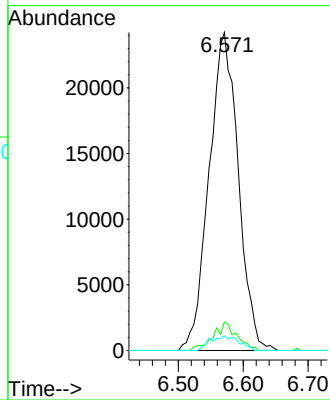
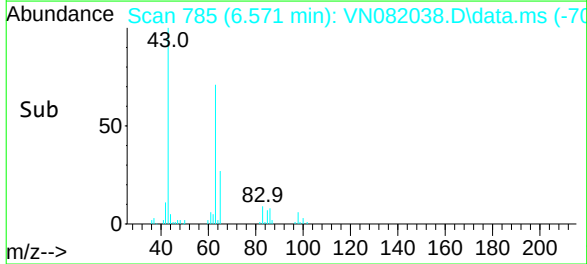
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



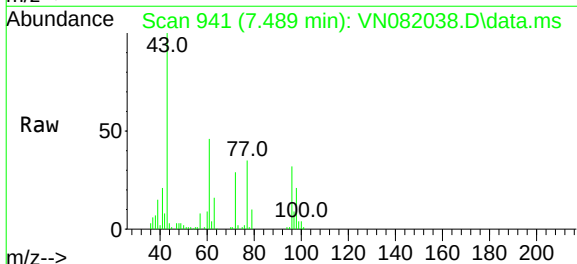
Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.9	4.1	12.3
100	4.6	3.0	9.0

Manual Integrations
APPROVED

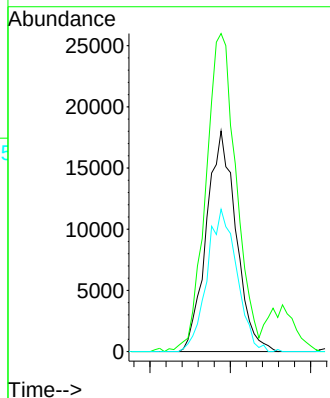
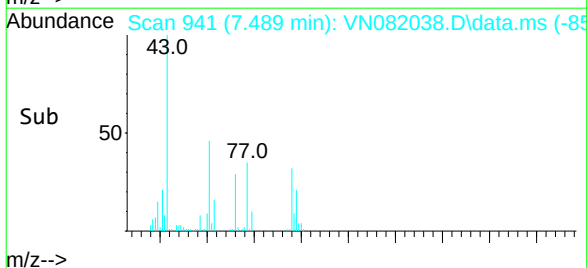
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

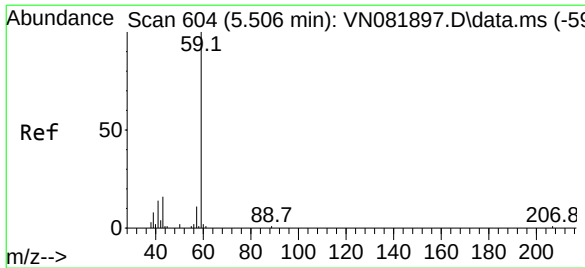


#22
cis-1,2-Dichloroethene
Concen: 22.286 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37



Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	113.5	170.3
98	64.4	52.0	78.0





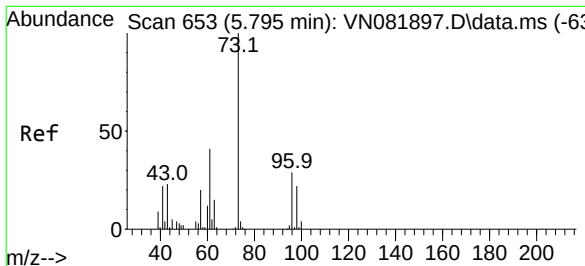
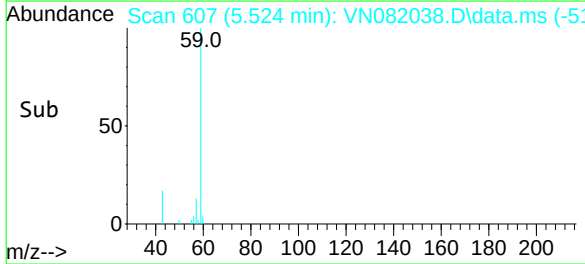
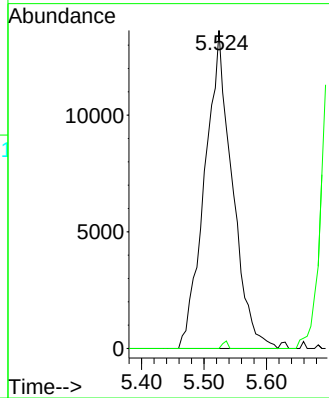
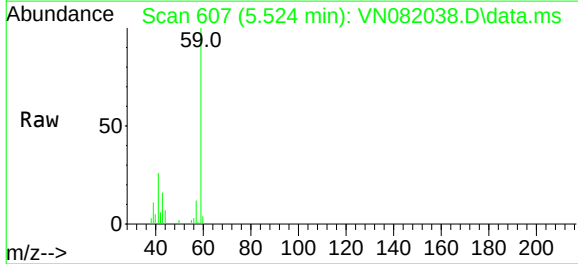
#23
tert-Butyl Alcohol
Concen: 108.384 ug/l
RT: 5.524 min Scan# 604
Delta R.T. 0.018 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 41653
Ion Ratio Lower Upper
59 100
52 0.4 0.0 0.0#

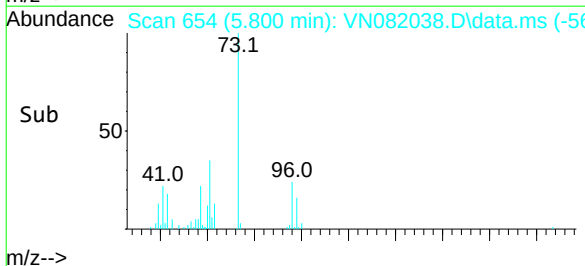
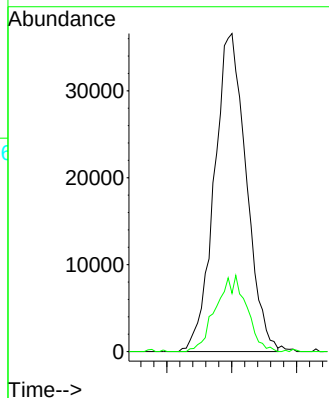
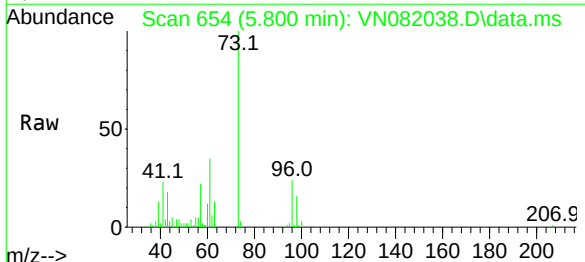
Manual Integrations
APPROVED

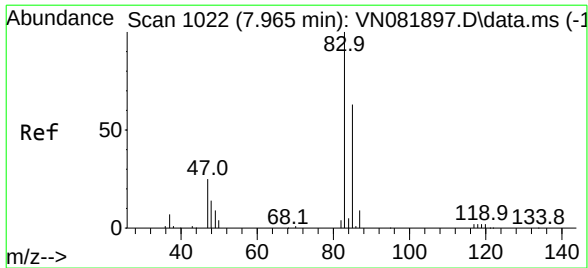
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#24
Methyl tert-Butyl Ether
Concen: 21.250 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

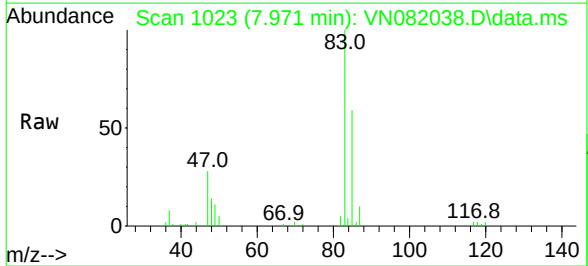
Tgt Ion: 73 Resp: 125075
Ion Ratio Lower Upper
73 100
43 13.0 13.4 20.2#





#25
Chloroform
Concen: 22.976 ug/l
RT: 7.971 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

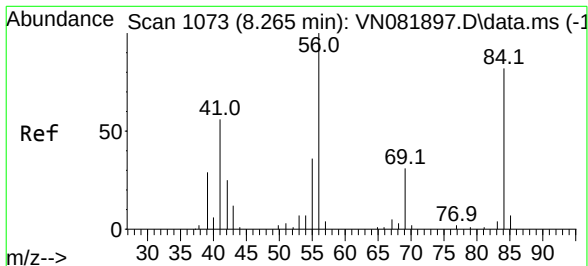
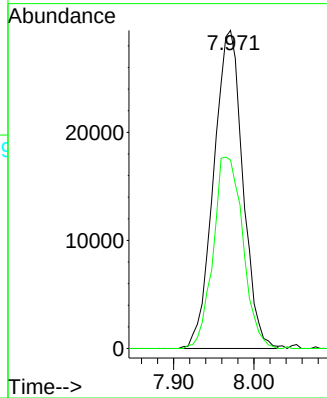
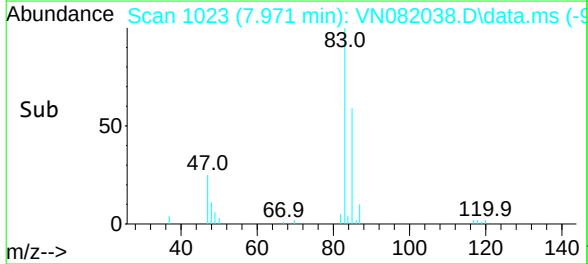
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 74227
Ion Ratio Lower Upper
83 100
85 59.3 50.9 76.3

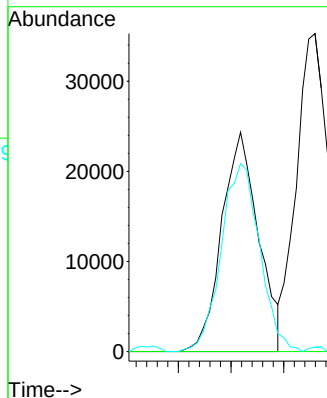
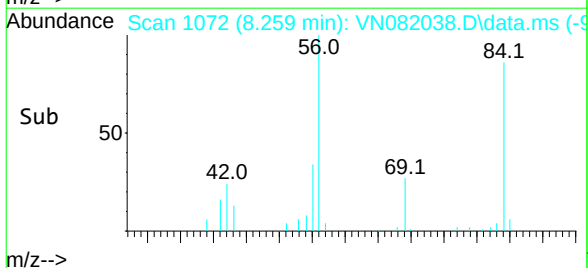
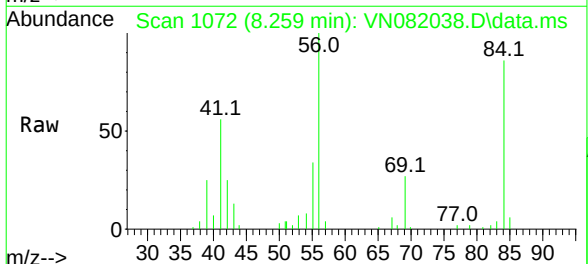
Manual Integrations
APPROVED

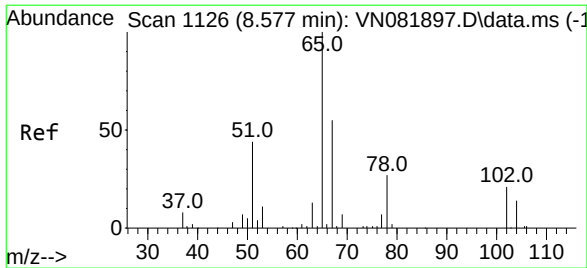
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#26
Cyclohexane
Concen: 20.309 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

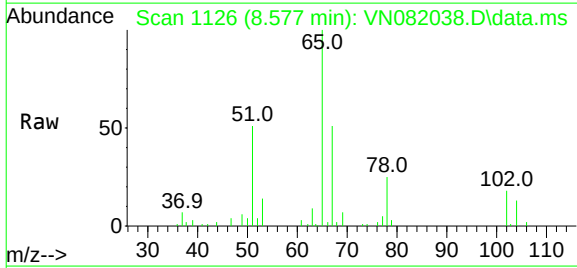
Tgt Ion: 56 Resp: 58973
Ion Ratio Lower Upper
56 100
89 0.0 19.3 28.9#
84 89.7 71.3 106.9





#27
1,2-Dichloroethane-d4
Concen: 32.011 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

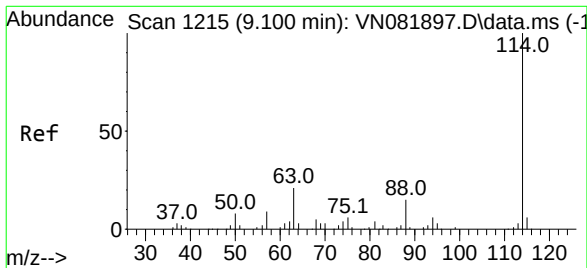
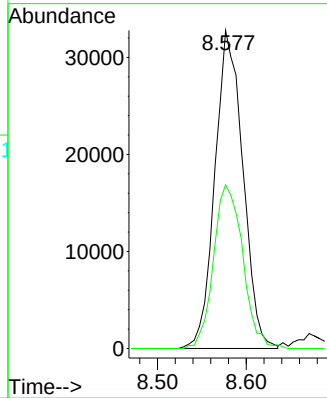
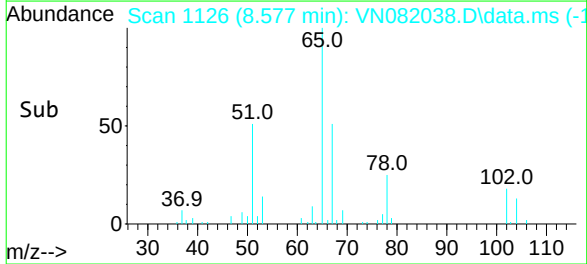
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



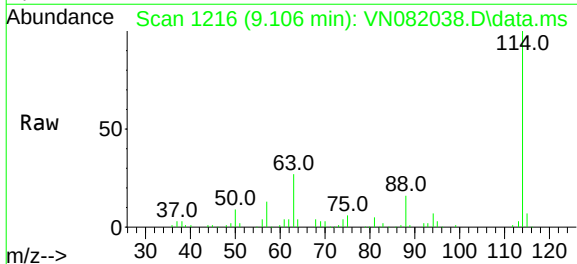
Tgt Ion: 65 Resp: 71692
Ion Ratio Lower Upper
65 100
67 53.5 43.2 64.8

Manual Integrations
APPROVED

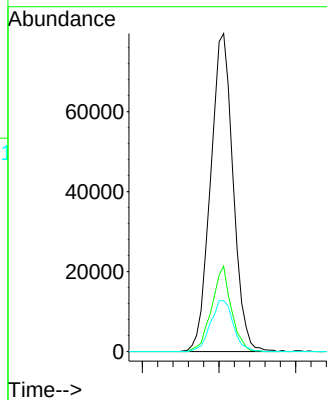
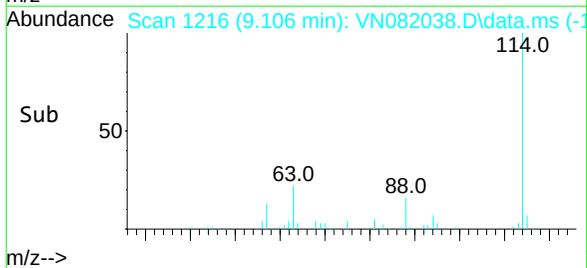
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

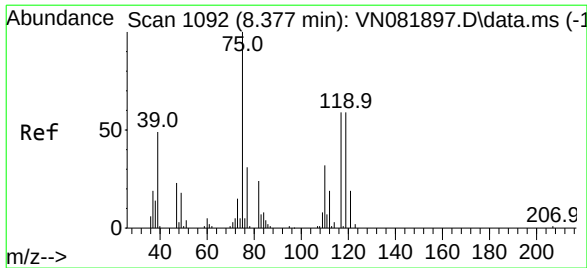


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37



Tgt Ion:114 Resp: 162627
Ion Ratio Lower Upper
114 100
63 23.3 15.9 23.9
88 16.2 12.7 19.1





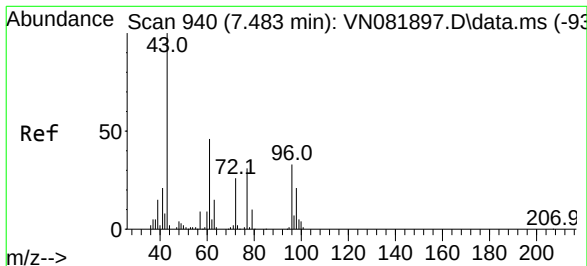
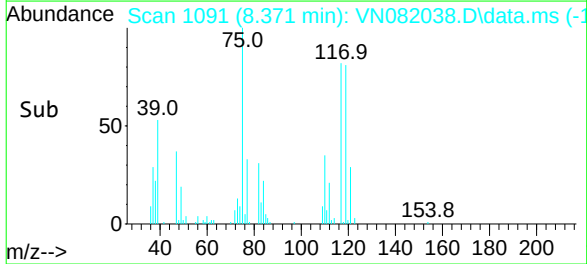
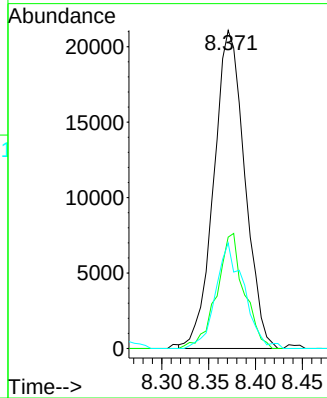
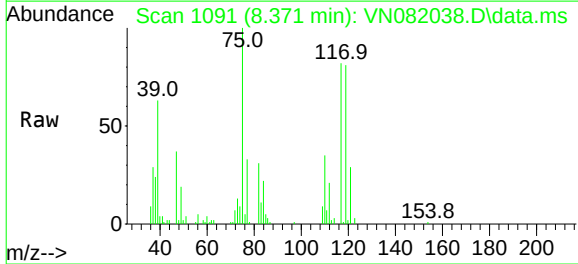
#29
1,1-Dichloropropene
Concen: 20.015 ug/l
RT: 8.371 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75	Resp: 48459
Ion Ratio	Lower Upper
75 100	
110 31.9	0.0 70.2
77 29.9	0.0 61.4

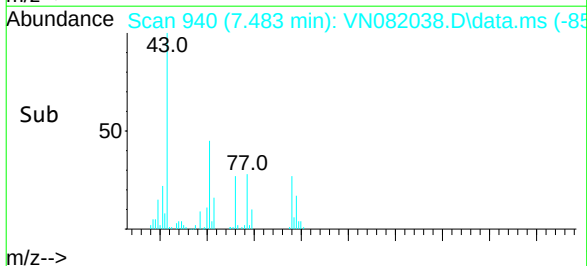
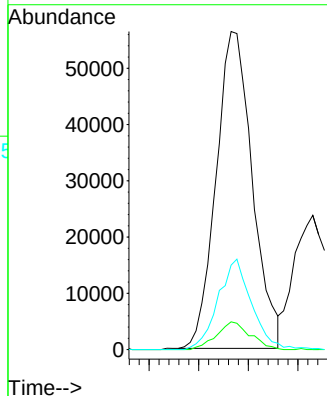
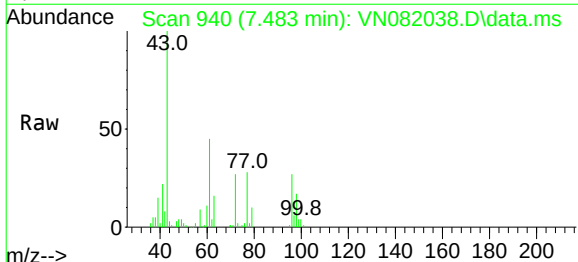
Manual Integrations
APPROVED

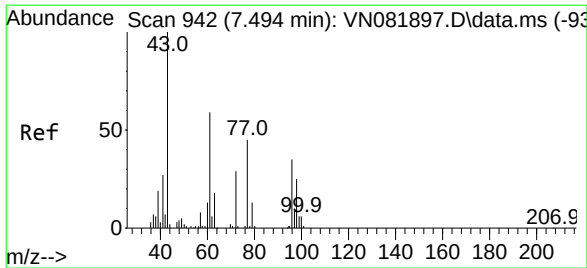
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#30
2-Butanone
Concen: 114.744 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

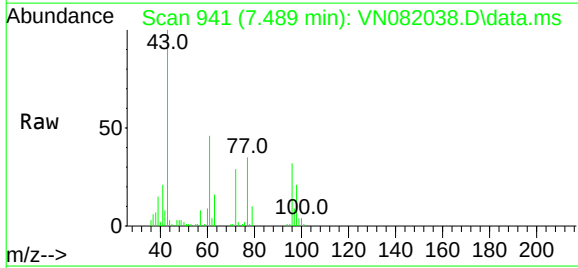
Tgt Ion: 43	Resp: 143203
Ion Ratio	Lower Upper
43 100	
57 8.1	6.7 10.1
72 26.2	24.0 36.0





#31
2,2-Dichloropropane
Concen: 22.630 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

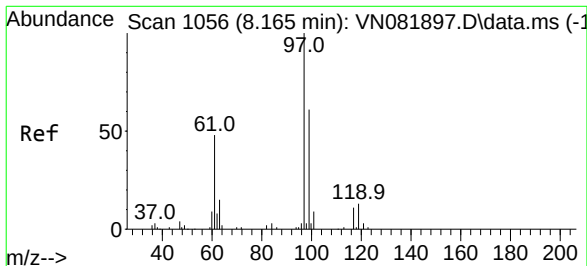
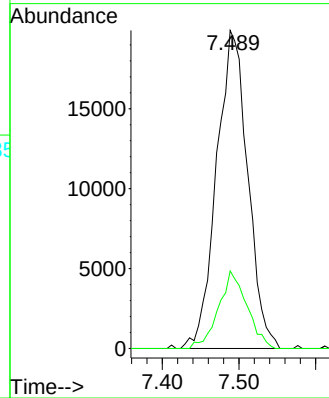
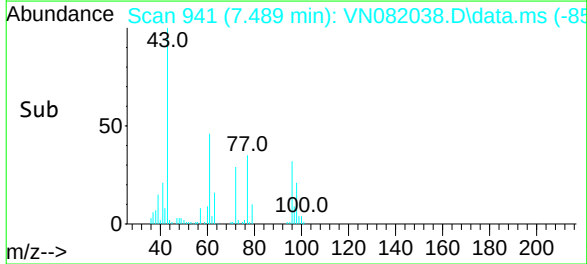
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



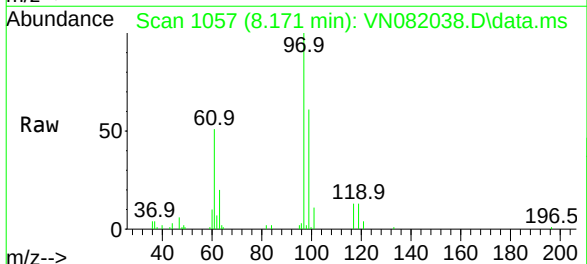
Tgt Ion: 77 Resp: 56147
Ion Ratio Lower Upper
77 100
97 21.7 18.3 27.5

Manual Integrations
APPROVED

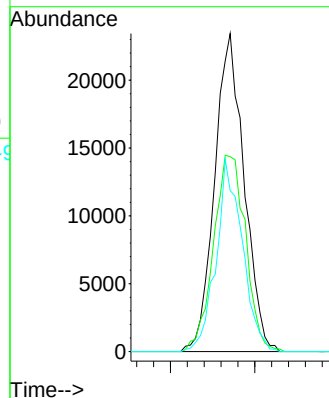
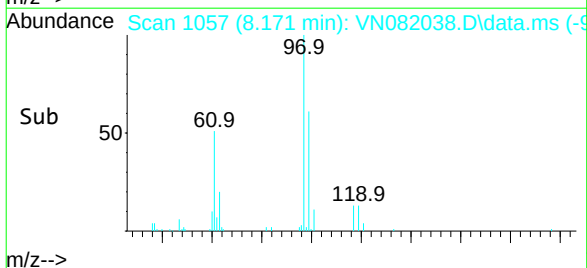
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

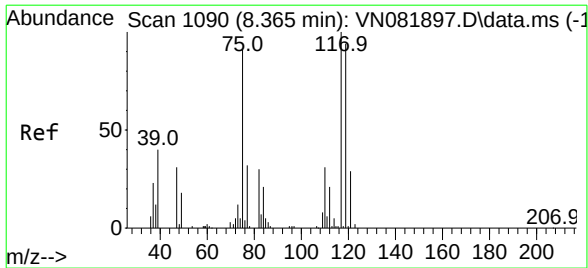


#32
1,1,1-Trichloroethane
Concen: 20.471 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37



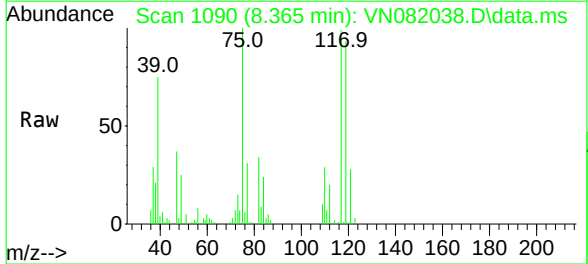
Tgt Ion: 97 Resp: 57002
Ion Ratio Lower Upper
97 100
99 67.0 51.0 76.4
61 53.7 33.8 50.8#





#33
Carbon Tetrachloride
Concen: 20.302 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

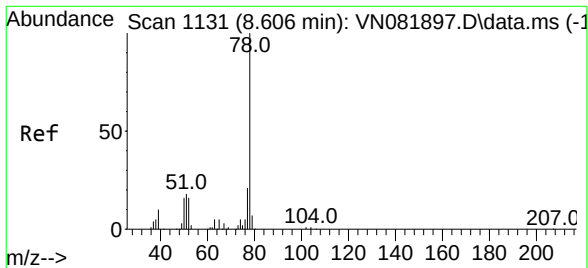
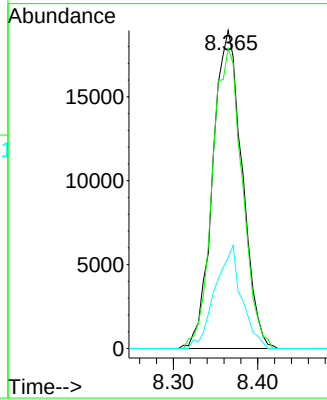
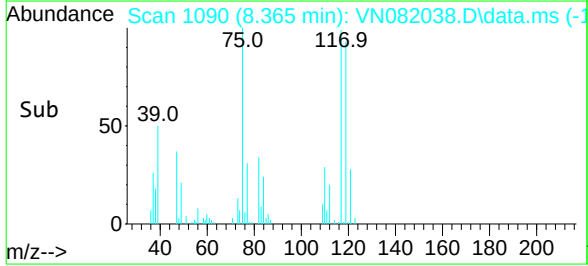
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 45879
Ion Ratio Lower Upper
117 100
119 94.3 77.7 116.5
121 28.6 27.0 40.6

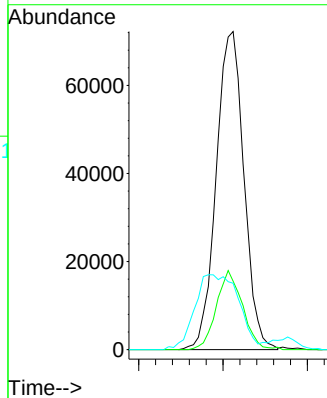
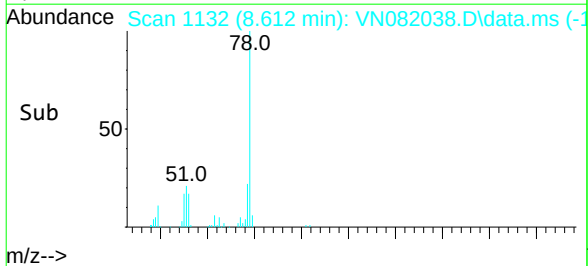
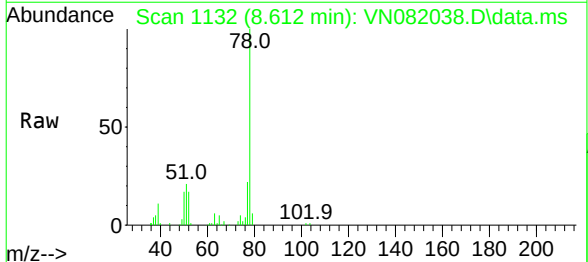
Manual Integrations
APPROVED

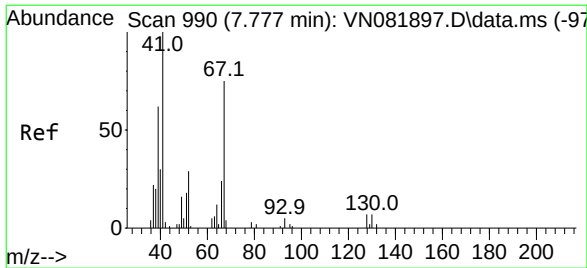
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#34
Benzene
Concen: 21.354 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

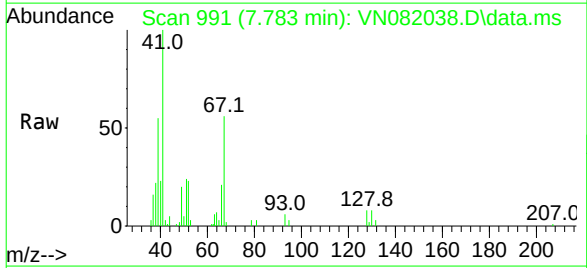
Tgt Ion: 78 Resp: 164935
Ion Ratio Lower Upper
78 100
77 21.5 19.2 28.8
51 18.8 13.3 19.9





#35
Methacrylonitrile
Concen: 22.120 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

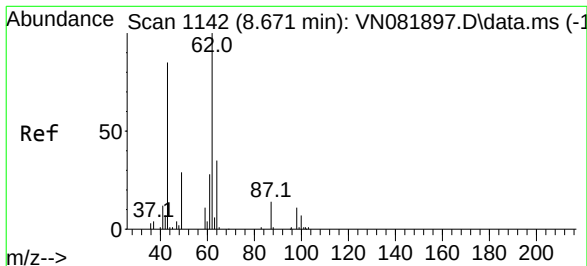
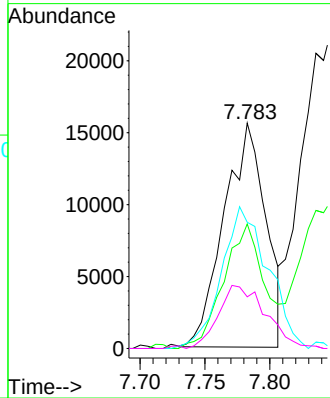
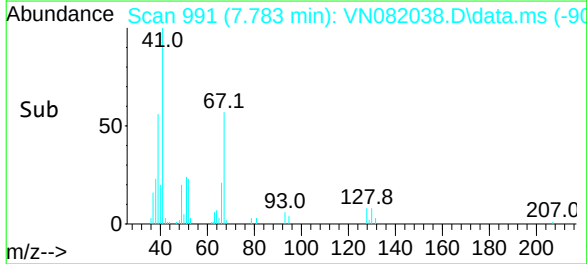
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 34926
Ion Ratio Lower Upper
41 100
39 55.9 25.3 75.9
67 55.6 38.7 116.1
52 22.0 13.6 40.8

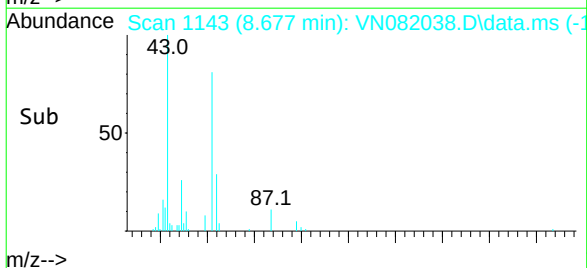
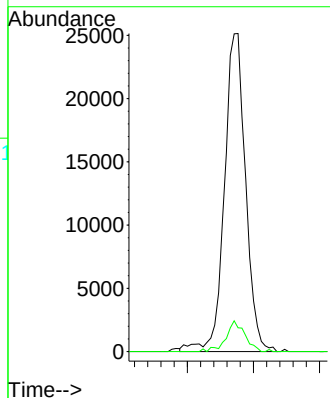
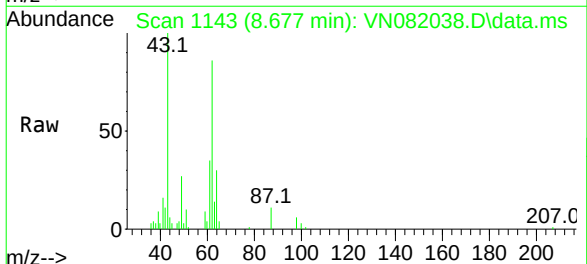
Manual Integrations
APPROVED

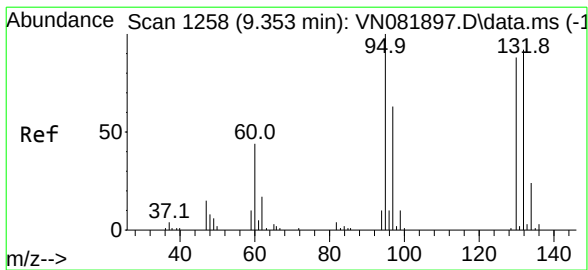
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#36
1,2-Dichloroethane
Concen: 21.647 ug/l m
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

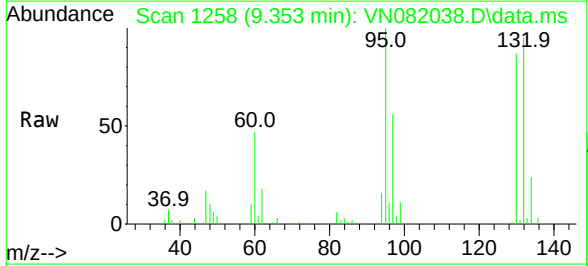
Tgt Ion: 62 Resp: 56129
Ion Ratio Lower Upper
62 100
98 0.1 8.2 12.4#





#37
 Trichloroethene
 Concen: 17.117 ug/l
 RT: 9.353 min Scan# 1258
 Delta R.T. -0.000 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

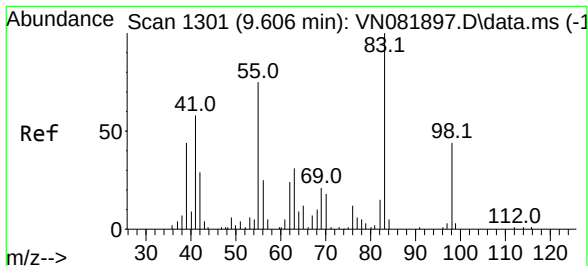
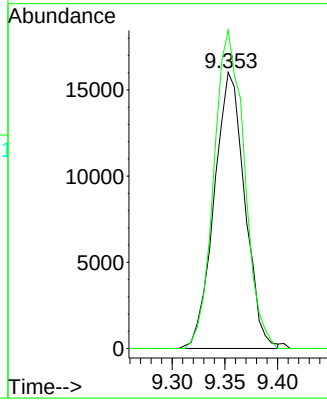
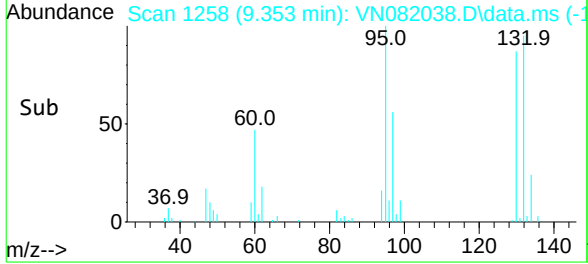
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 130 Resp: 32383
 Ion Ratio Lower Upper
 130 100
 95 115.1 80.2 120.4

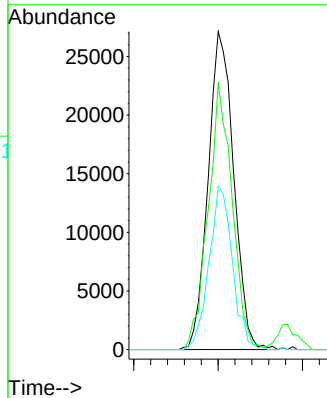
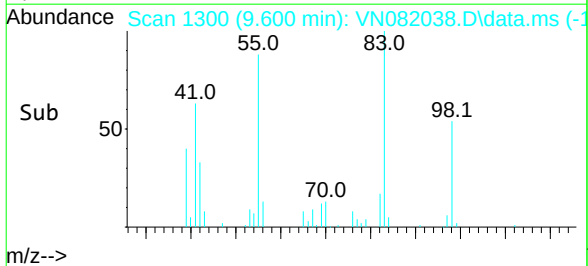
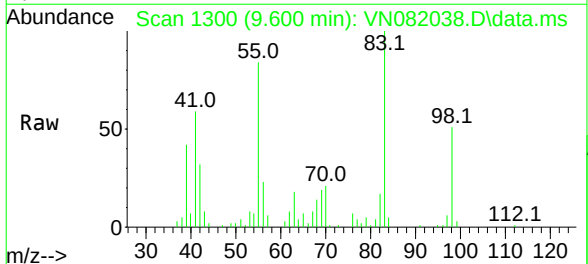
Manual Integrations
 APPROVED

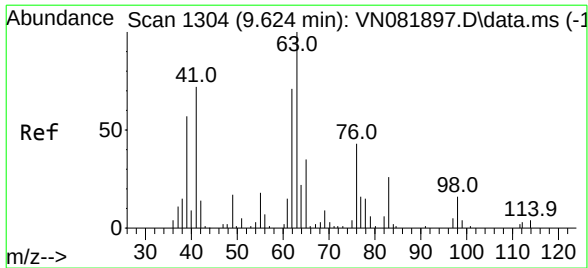
Reviewed By :John Carlone 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024



#38
 Methylcyclohexane
 Concen: 19.519 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. -0.006 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

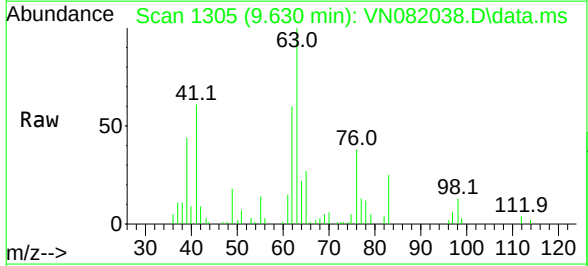
Tgt Ion: 83 Resp: 57090
 Ion Ratio Lower Upper
 83 100
 55 79.0 36.6 109.9
 98 47.2 23.8 71.5





#39
1,2-Dichloropropane
Concen: 22.899 ug/l
RT: 9.630 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

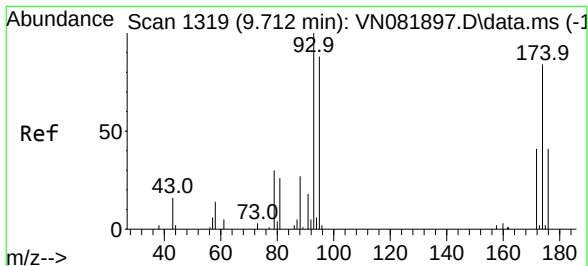
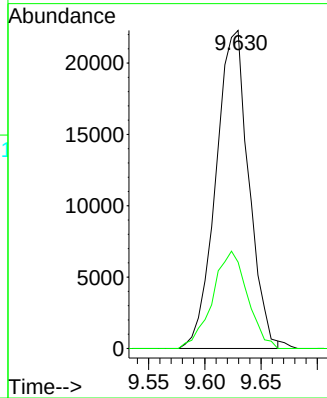
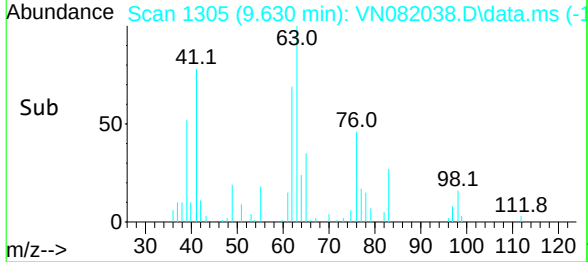
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



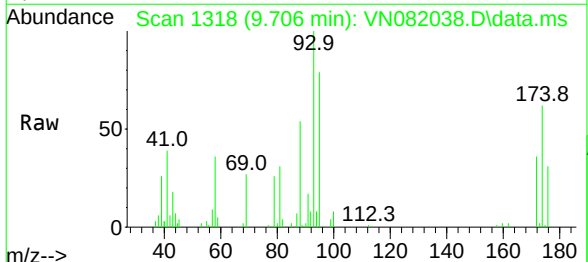
Tgt Ion: 63 Resp: 45384
Ion Ratio Lower Upper
63 100
65 27.1 25.0 37.4

Manual Integrations
APPROVED

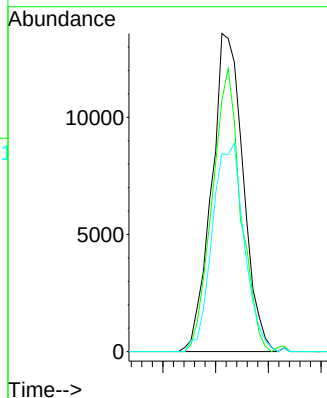
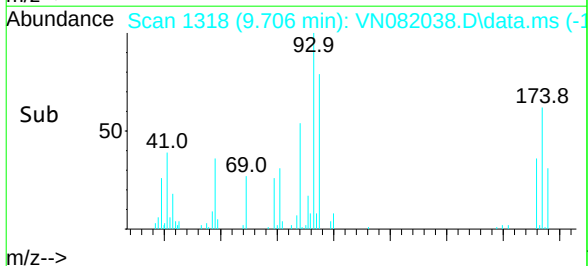
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024

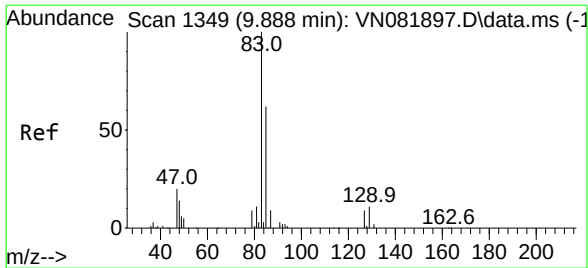


#40
Dibromomethane
Concen: 22.132 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37



Tgt Ion: 93 Resp: 28178
Ion Ratio Lower Upper
93 100
95 80.4 0.0 164.6
174 66.3 0.0 193.2





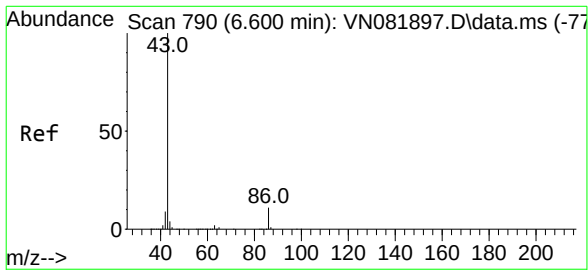
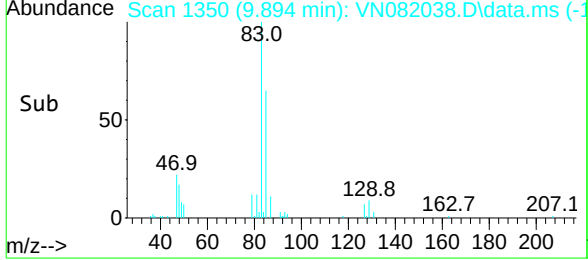
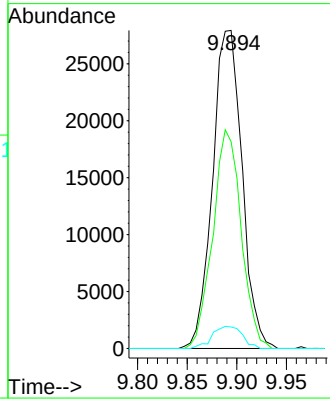
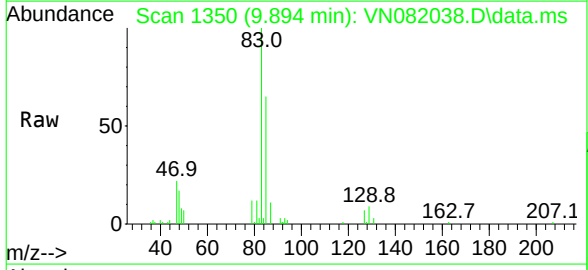
#41
 Bromodichloromethane
 Concen: 21.231 ug/l
 RT: 9.894 min Scan# 1349
 Delta R.T. 0.006 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

Tgt Ion:	83	Resp:	57776
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.4	74.2
127	6.8	7.3	10.9

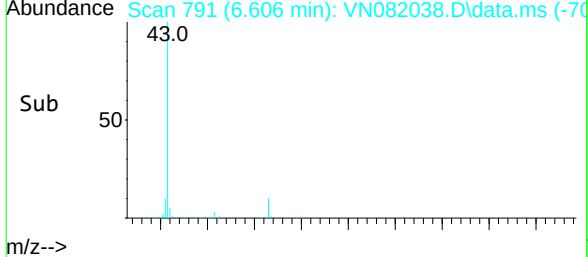
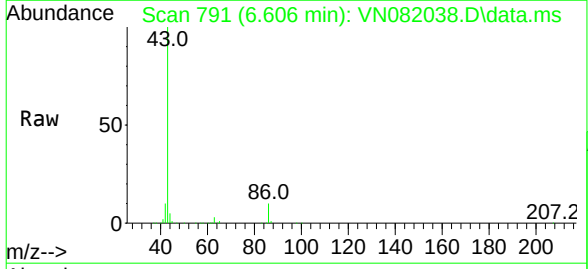
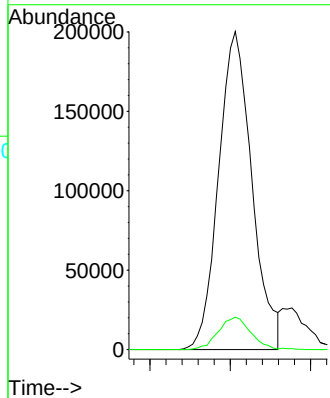
Manual Integrations
 APPROVED

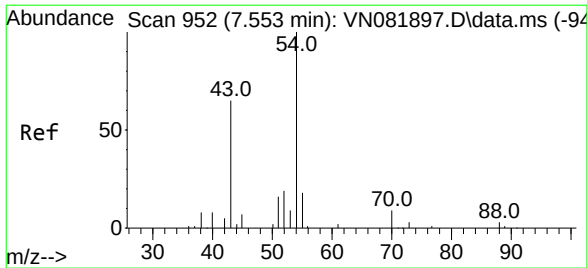
Reviewed By :John Carlone 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024



#42
 Vinyl Acetate
 Concen: 108.767 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

Tgt Ion:	43	Resp:	577770
Ion	Ratio	Lower	Upper
43	100		
86	9.8	9.4	14.2





#43

Ethyl Acetate

Concen: 19.898 ug/l

RT: 7.565 min Scan# 95

Delta R.T. 0.012 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 54143

Ion Ratio Lower Upper

43 100

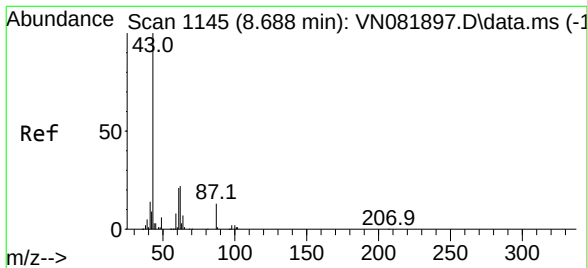
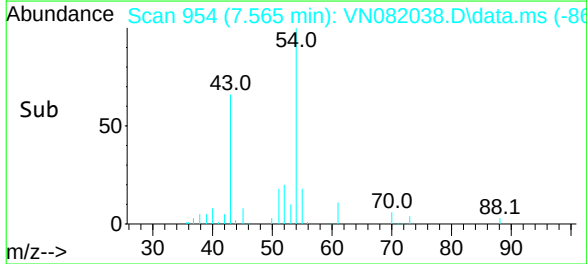
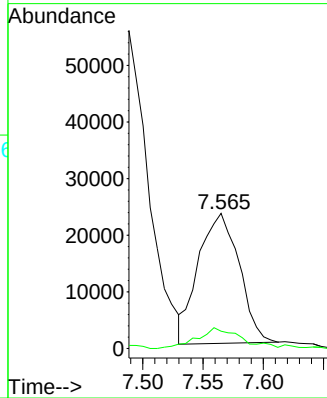
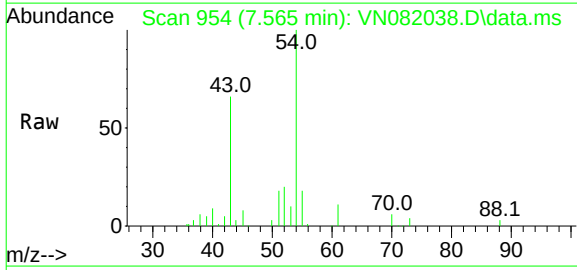
45 15.6 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#44

Isopropyl Acetate

Concen: 22.614 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082038.D

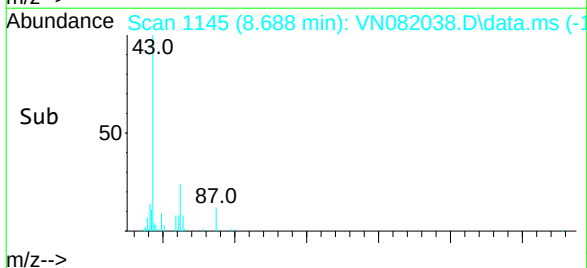
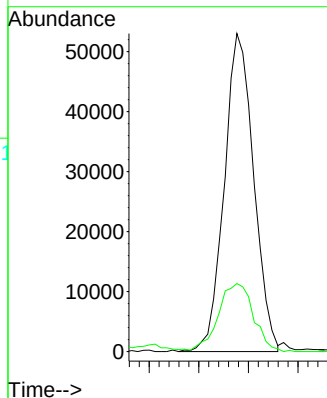
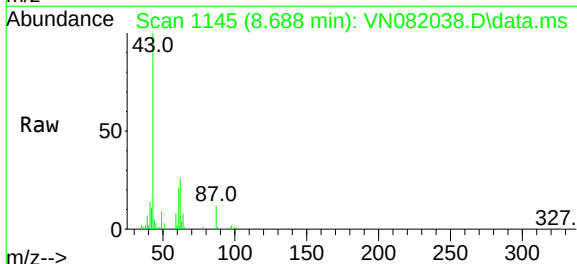
Acq: 08 May 2024 19:37

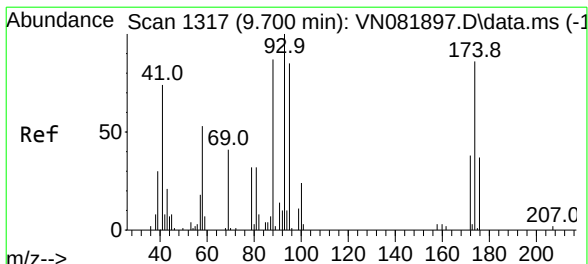
Tgt Ion: 43 Resp: 109244

Ion Ratio Lower Upper

43 100

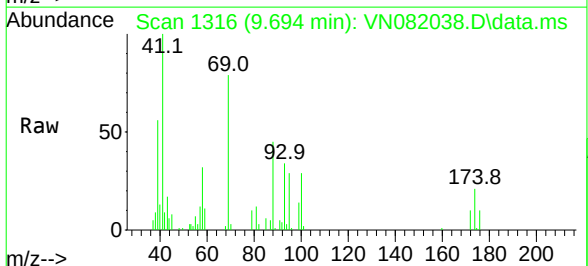
61 25.5 25.0 37.4





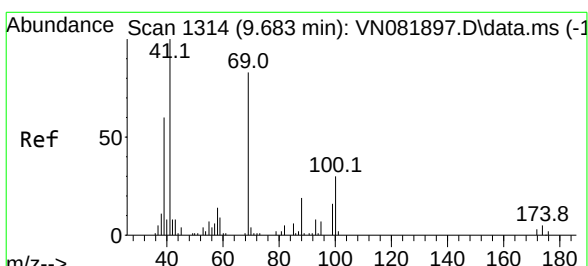
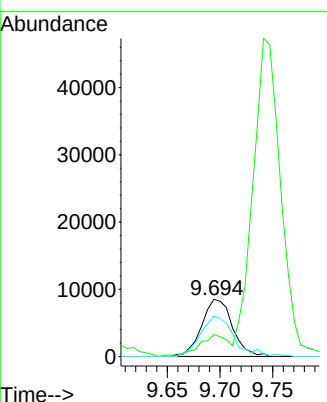
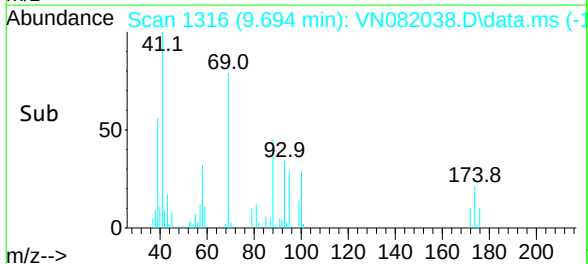
#45
 1,4-Dioxane
 Concen: 445.386 ug/l
 RT: 9.694 min Scan# 1317
 Delta R.T. -0.006 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

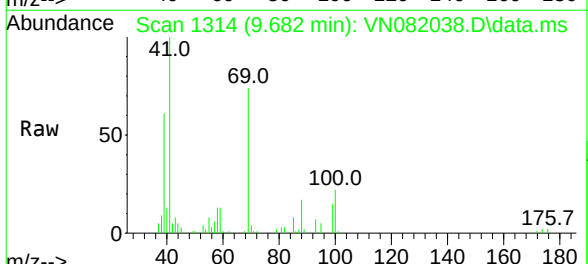


Tgt Ion:	88	Resp:	17255
Ion Ratio	Lower	Upper	
88	100		
43	35.0	19.8	29.6
58	71.6	55.4	83.0

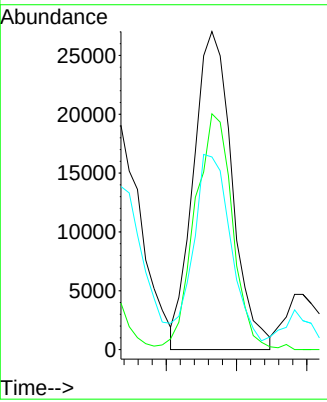
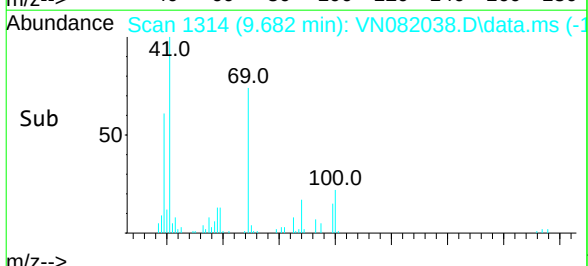
Manual Integrations
APPROVED
 Reviewed By :John Carlone 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024

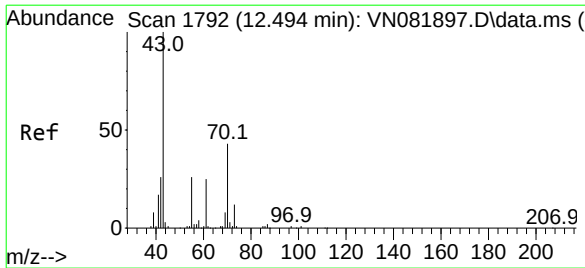


#46
 Methyl methacrylate
 Concen: 23.389 ug/l
 RT: 9.682 min Scan# 1314
 Delta R.T. -0.000 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37



Tgt Ion:	41	Resp:	51619
Ion Ratio	Lower	Upper	
41	100		
69	76.2	51.1	153.3
39	58.9	25.8	77.3





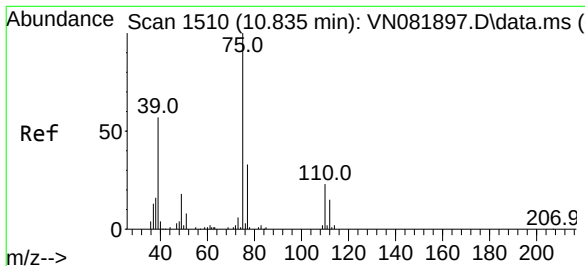
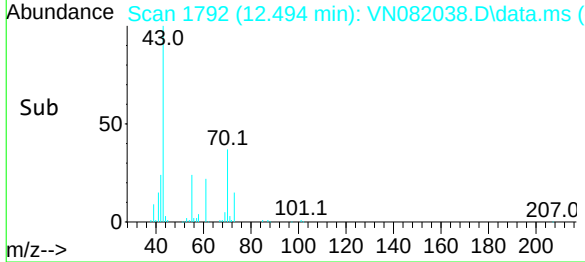
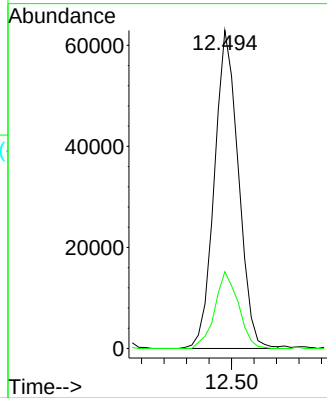
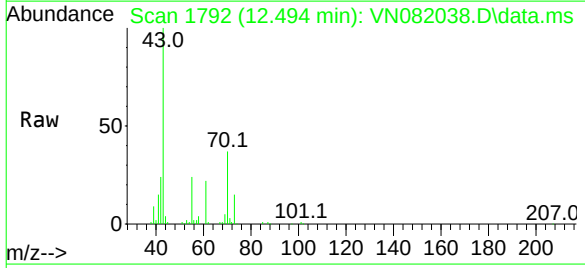
#47
n-amy1 Acetate
Concen: 21.425 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 93352
Ion Ratio Lower Upper
43 100
55 23.8 23.4 35.2

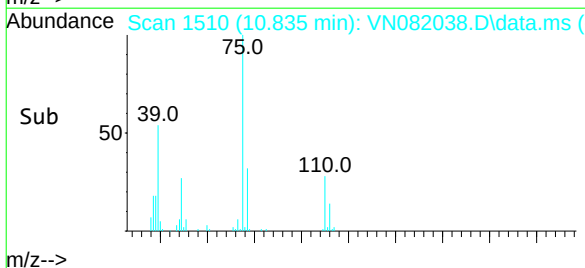
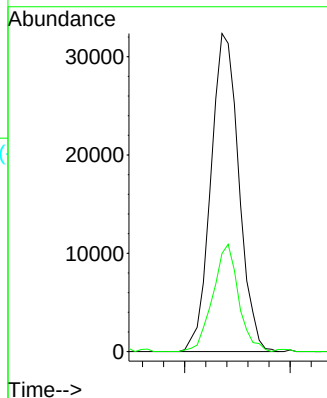
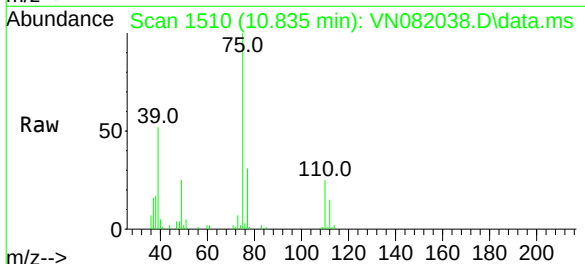
Manual Integrations
APPROVED

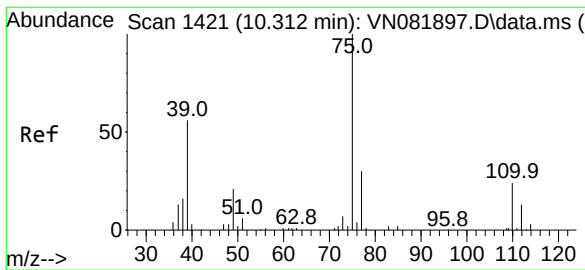
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#48
t-1,3-Dichloropropene
Concen: 20.246 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion: 75 Resp: 59748
Ion Ratio Lower Upper
75 100
77 30.8 23.8 35.6





#49

cis-1,3-Dichloropropene

Concen: 21.476 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 67006

Ion Ratio Lower Upper

75 100

77 28.6 24.9 37.3

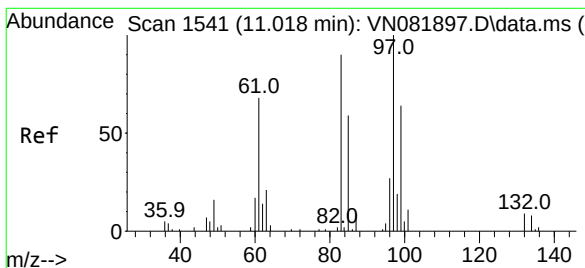
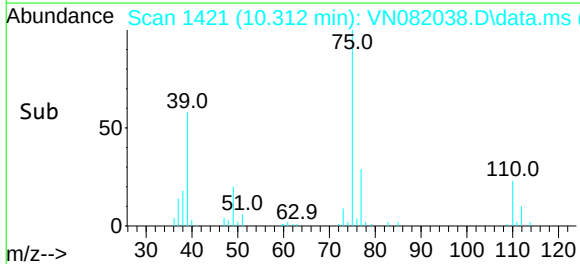
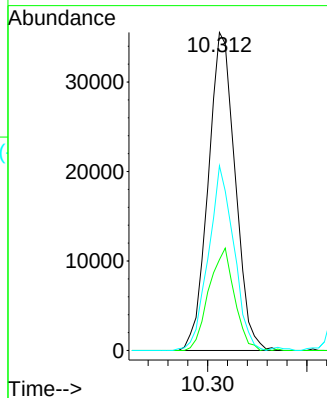
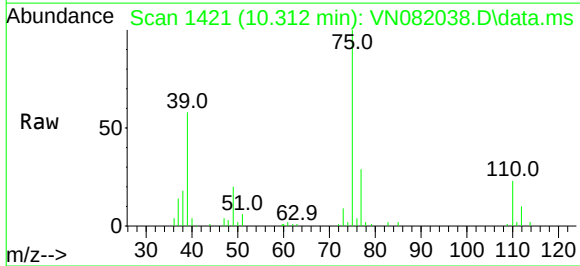
39 57.5 31.0 46.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#50

1,1,2-Trichloroethane

Concen: 22.760 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion: 97 Resp: 39315

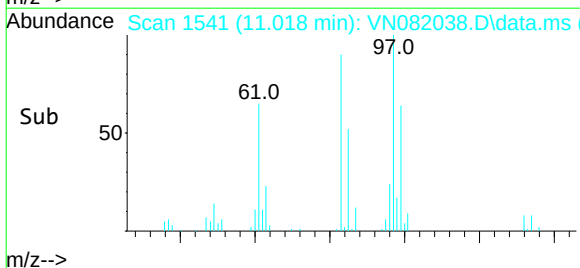
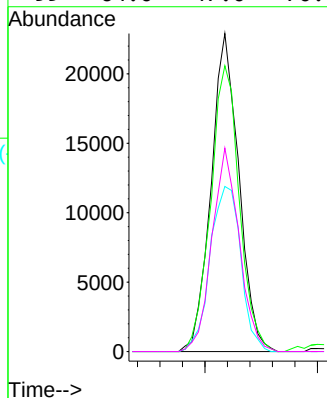
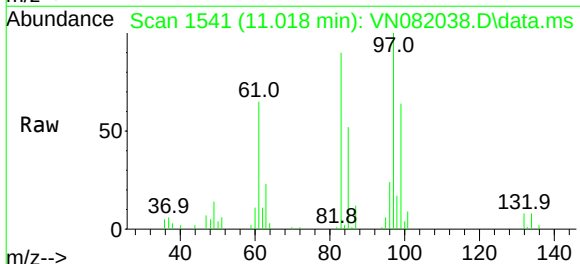
Ion Ratio Lower Upper

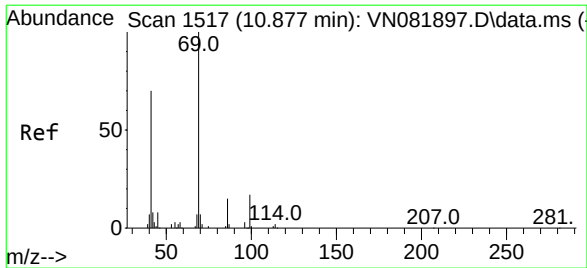
97 100

83 89.9 68.1 102.1

85 51.9 41.8 62.6

99 64.0 47.0 70.4





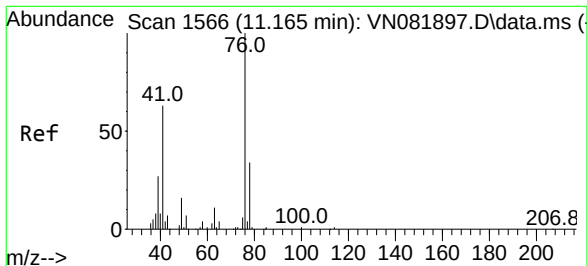
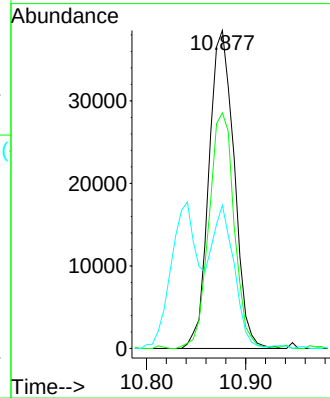
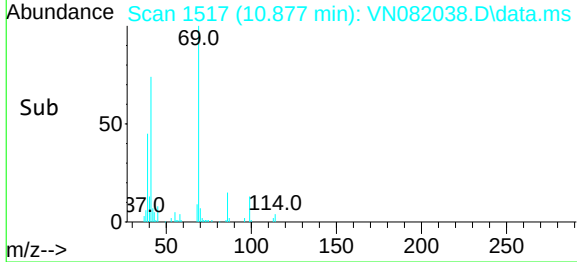
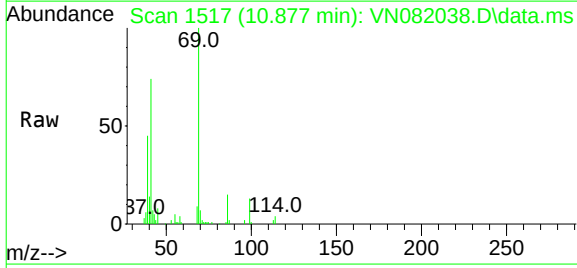
#51
Ethyl methacrylate
Concen: 20.860 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.6	25.5	76.5
39	44.2	16.0	47.9

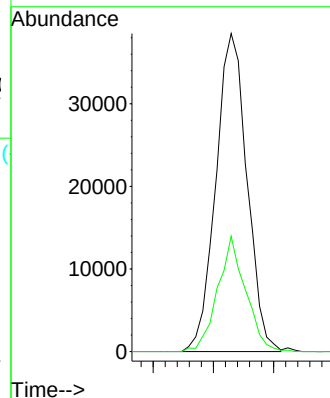
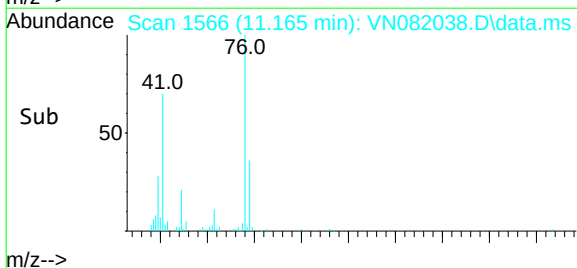
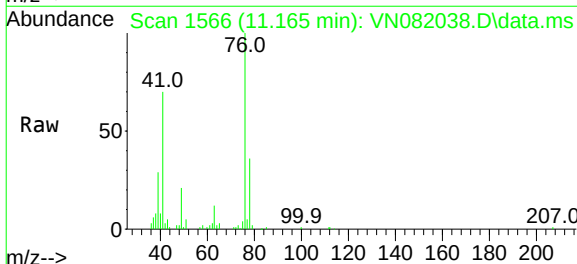
Manual Integrations
APPROVED

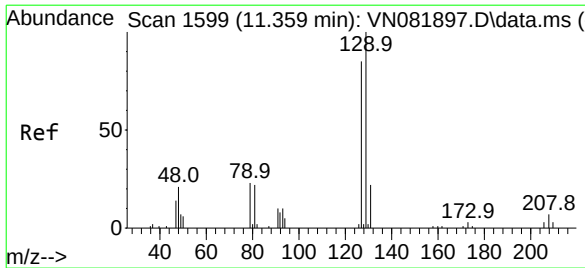
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#52
1,3-Dichloropropane
Concen: 21.789 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.8





#53

Dibromochloromethane

Concen: 19.849 ug/l

RT: 11.365 min Scan# 1618

Delta R.T. 0.006 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:129 Resp: 37303

Ion Ratio Lower Upper

129 100

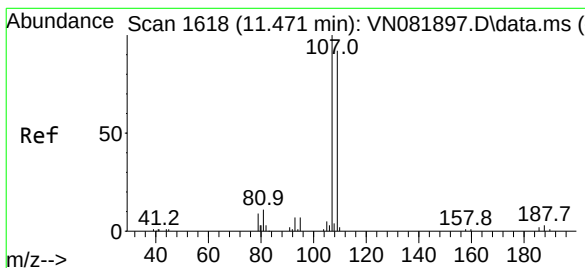
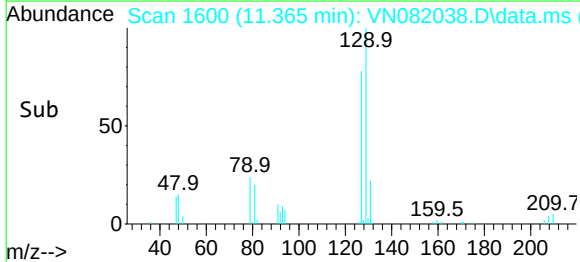
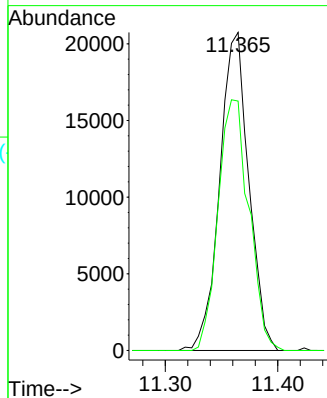
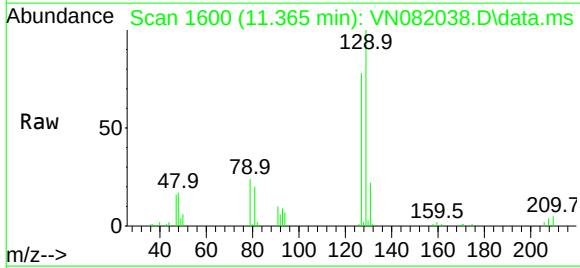
127 83.7 39.4 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#54

1,2-Dibromoethane

Concen: 21.490 ug/l

RT: 11.471 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VN082038.D

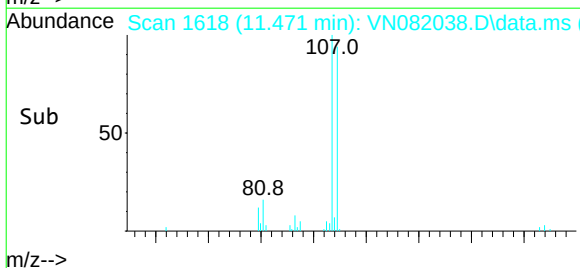
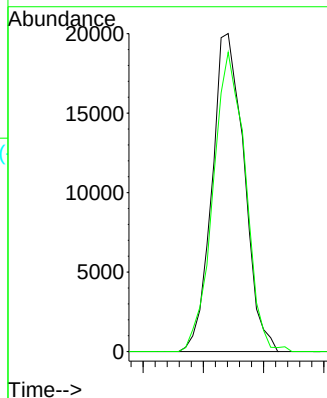
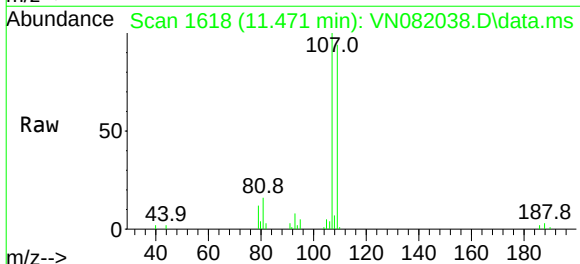
Acq: 08 May 2024 19:37

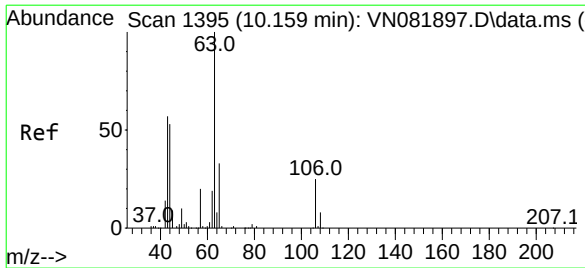
Tgt Ion:107 Resp: 37020

Ion Ratio Lower Upper

107 100

109 94.6 74.7 112.1





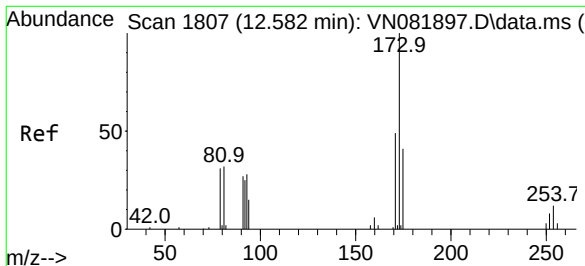
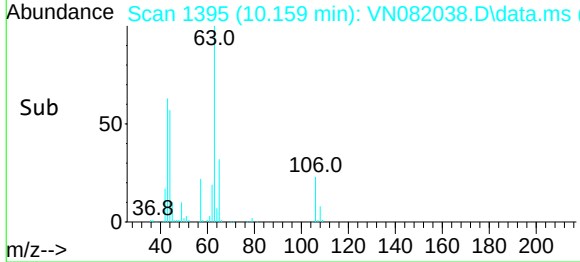
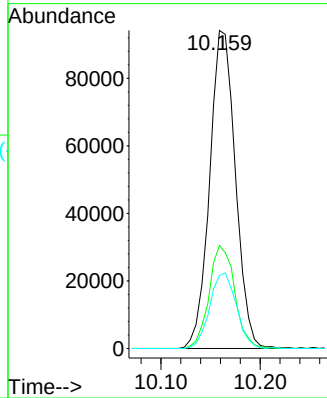
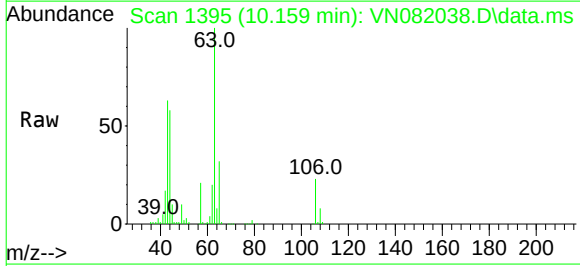
#55
2-Chloroethyl vinyl ether
Concen: 104.248 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 169948
Ion Ratio Lower Upper
63 100
65 32.2 26.2 39.2
106 24.4 23.8 35.8

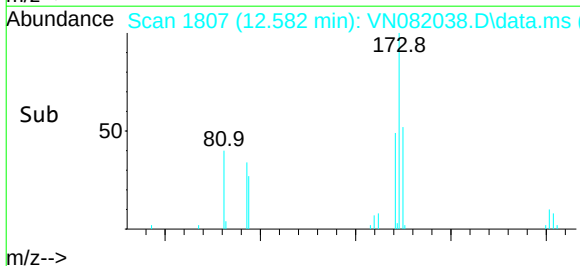
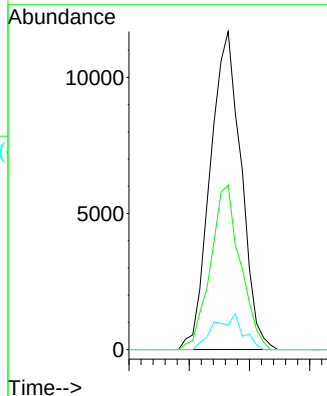
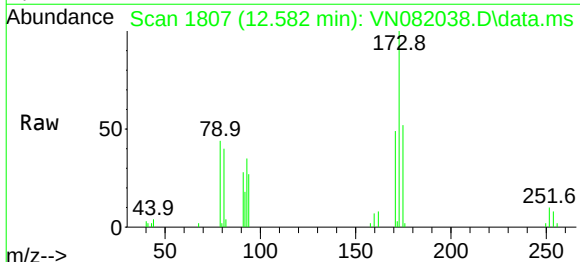
Manual Integrations
APPROVED

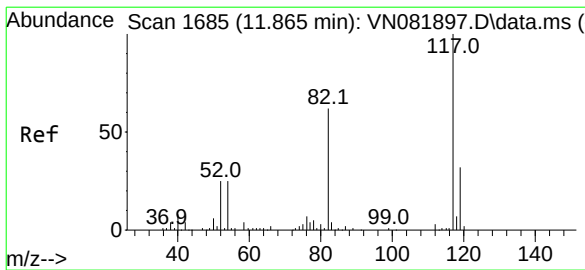
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#56
Bromoform
Concen: 18.176 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:173 Resp: 20790
Ion Ratio Lower Upper
173 100
175 50.0 40.0 60.0
254 4.3 8.3 12.5#





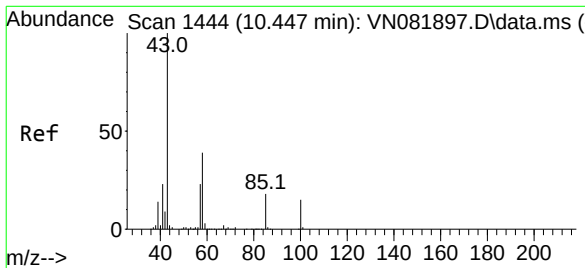
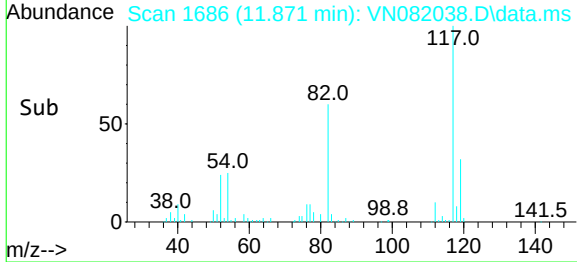
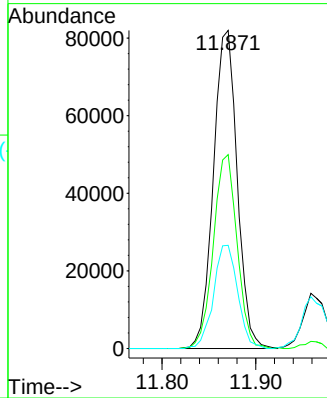
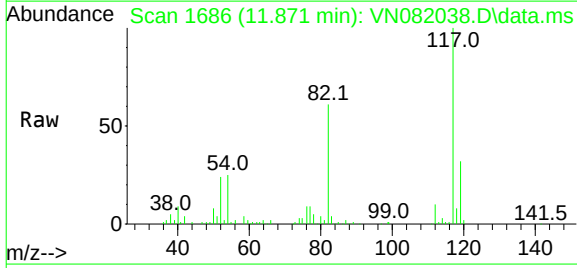
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.7	46.6	69.8
119	32.9	25.4	38.2

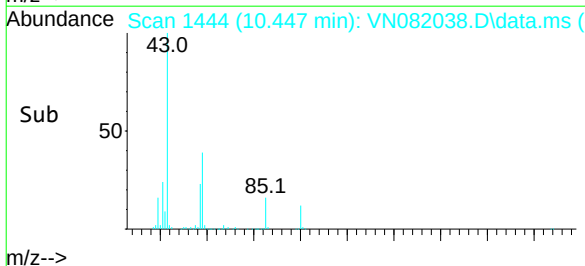
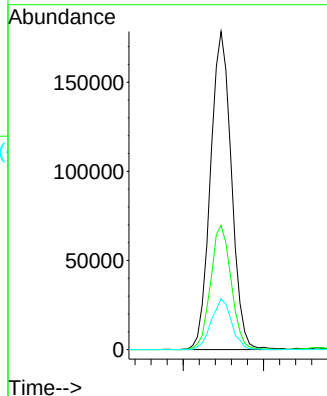
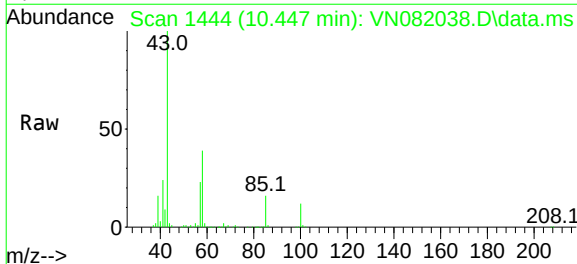
Manual Integrations
APPROVED

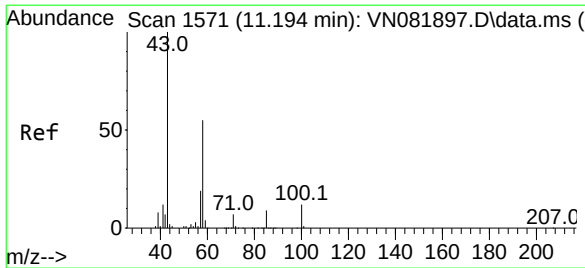
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#58
4-Methyl-2-Pentanone
Concen: 115.012 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

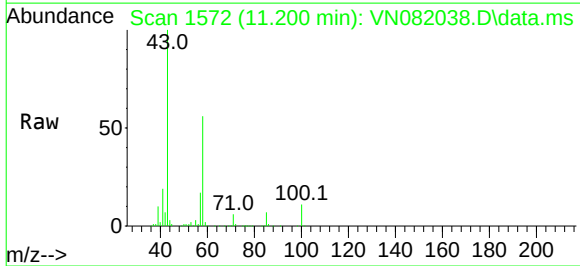
Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.4	36.5	54.7
85	15.5	19.5	29.3





#59
2-Hexanone
Concen: 115.381 ug/l m
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

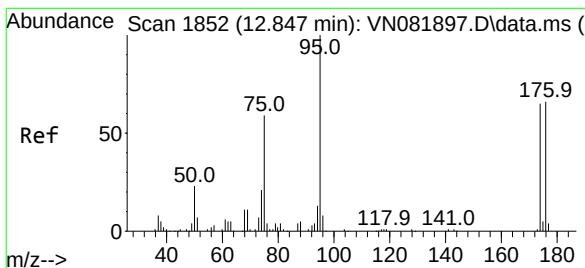
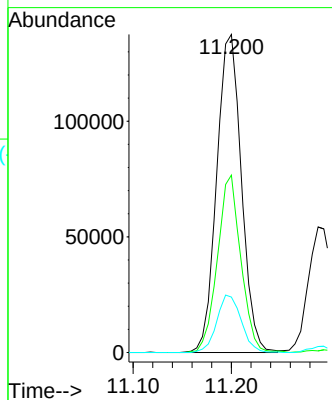
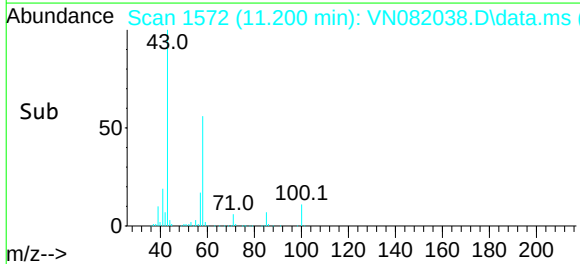
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 240348
Ion Ratio Lower Upper
43 100
58 1.0 50.4 75.6#
57 0.3 18.6 27.8#

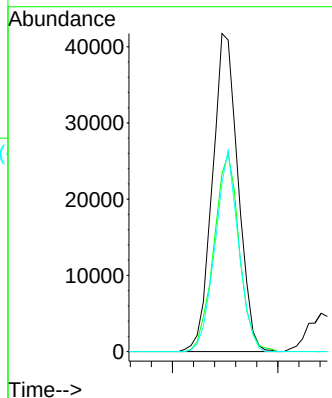
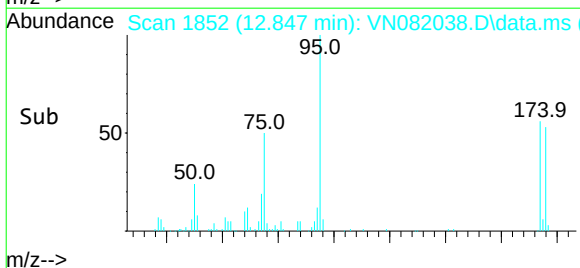
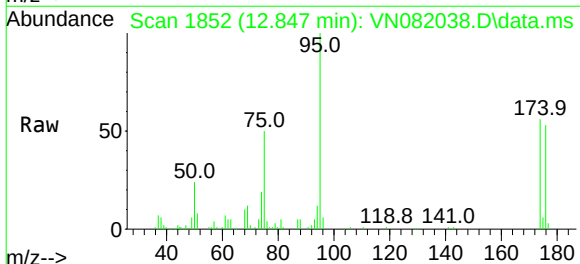
Manual Integrations
APPROVED

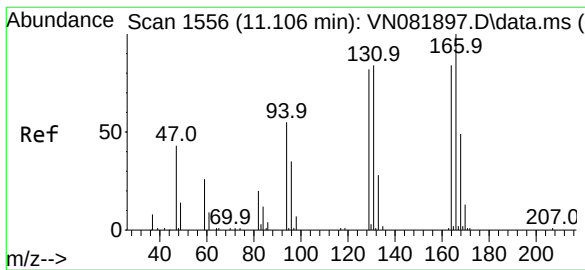
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#60
4-Bromofluorobenzene
Concen: 29.257 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion: 95 Resp: 70450
Ion Ratio Lower Upper
95 100
174 61.4 60.5 90.7
176 58.0 57.8 86.6





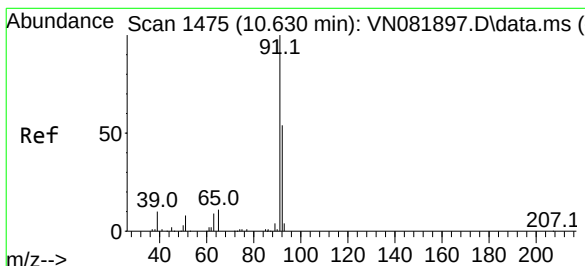
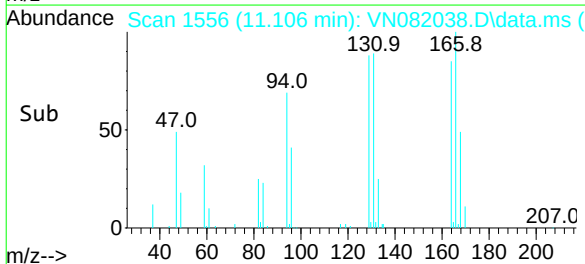
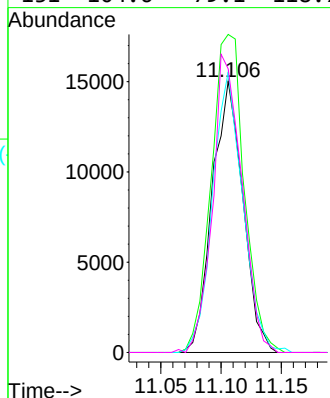
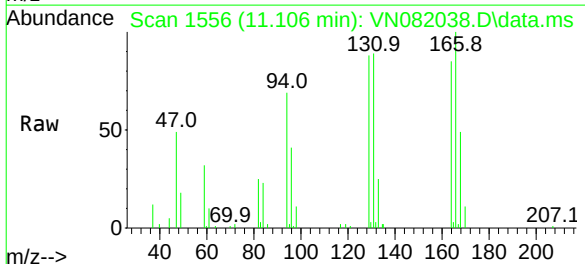
#61
Tetrachloroethene
Concen: 16.509 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:164 Resp: 26506
Ion Ratio Lower Upper
164 100
166 117.3 106.7 160.1
129 103.4 85.8 128.6
131 104.6 79.1 118.7

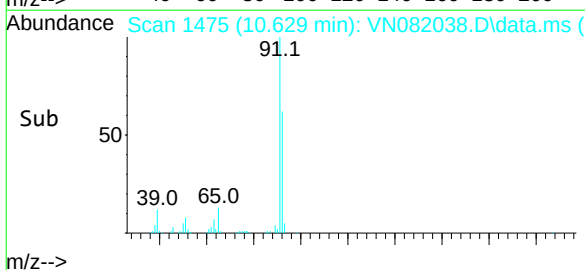
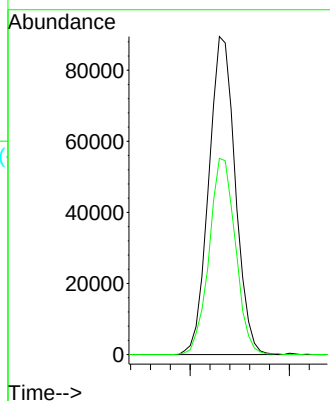
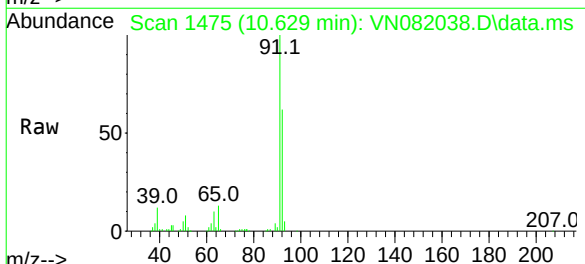
Manual Integrations
APPROVED

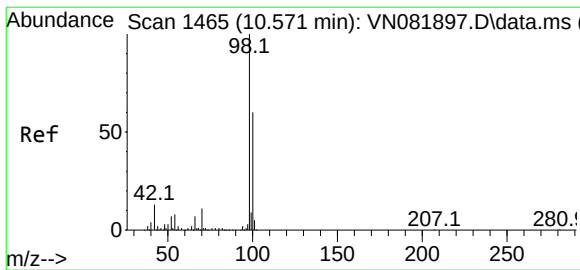
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#62
Toluene
Concen: 20.452 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion: 91 Resp: 166501
Ion Ratio Lower Upper
91 100
92 61.1 46.5 69.7





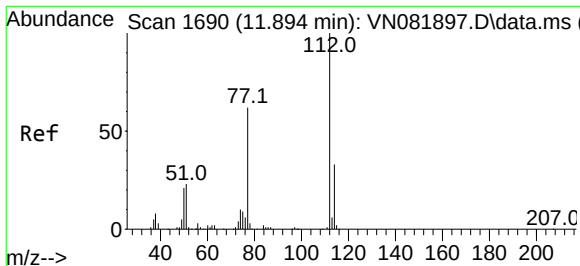
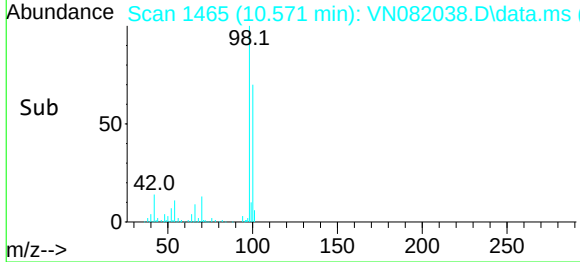
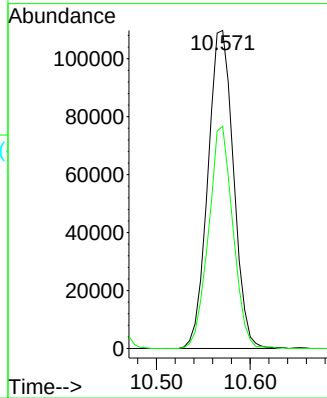
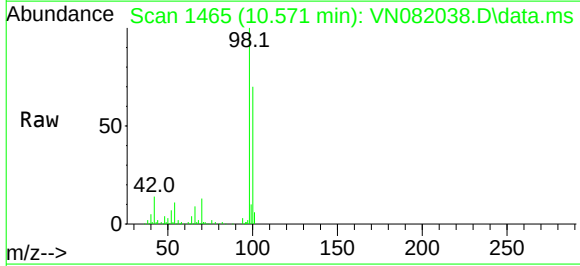
#63
Toluene-d8
Concen: 30.327 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 208394
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1

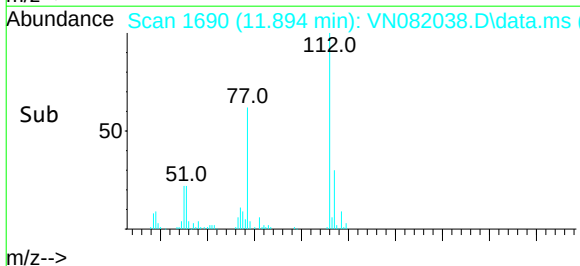
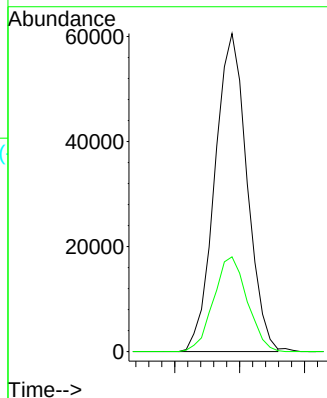
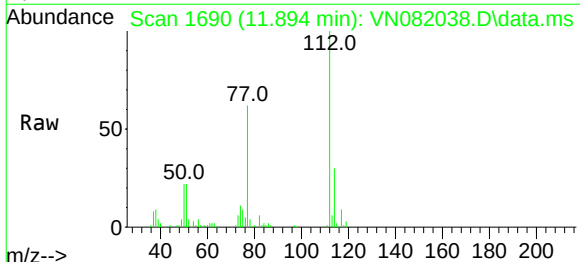
Manual Integrations
APPROVED

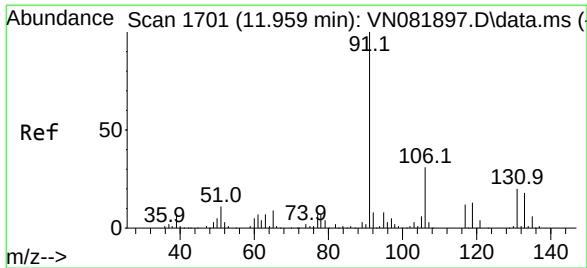
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#64
Chlorobenzene
Concen: 20.997 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:112 Resp: 104556
Ion Ratio Lower Upper
112 100
114 29.8 26.6 39.8





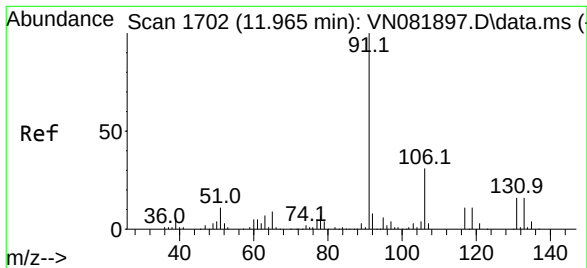
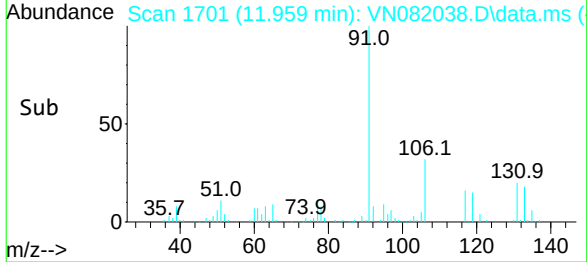
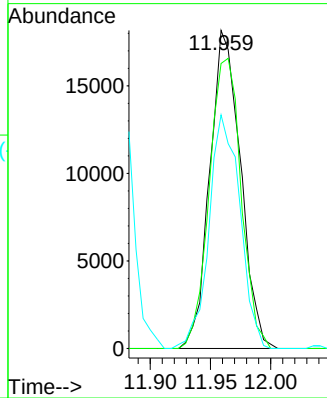
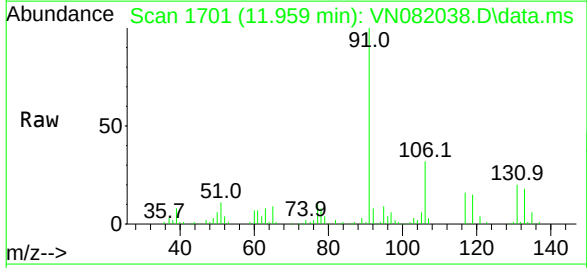
#65
1,1,1,2-Tetrachloroethane
Concen: 19.751 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 32190
Ion Ratio Lower Upper
131 100
133 94.6 0.0 188.0
119 74.0 0.0 122.8

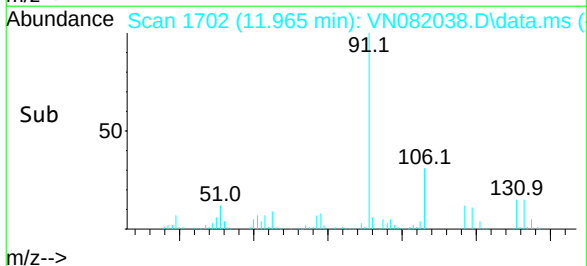
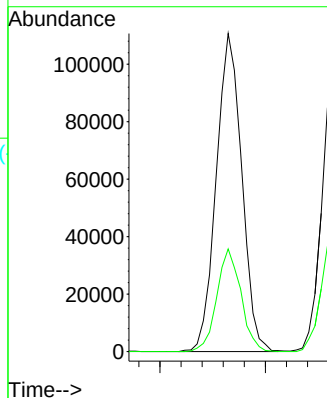
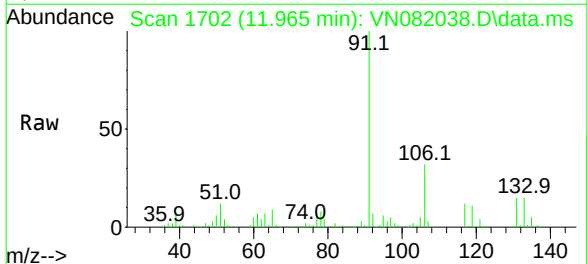
Manual Integrations
APPROVED

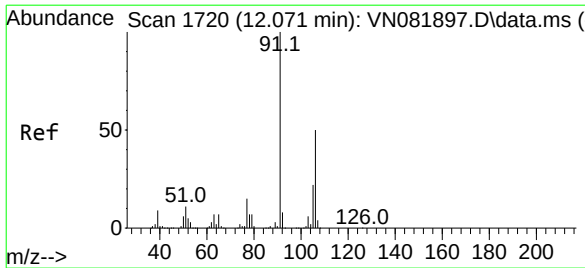
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#66
Ethyl Benzene
Concen: 20.847 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion: 91 Resp: 186040
Ion Ratio Lower Upper
91 100
106 32.3 24.4 36.6





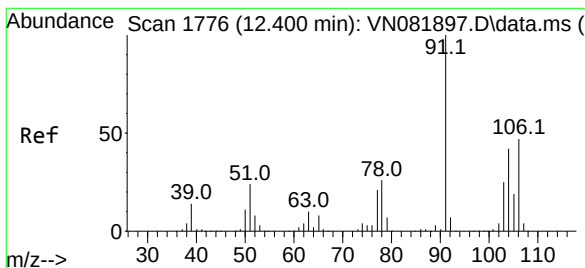
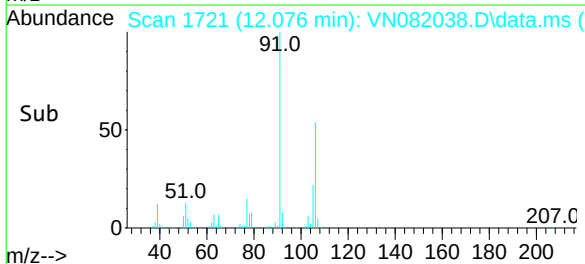
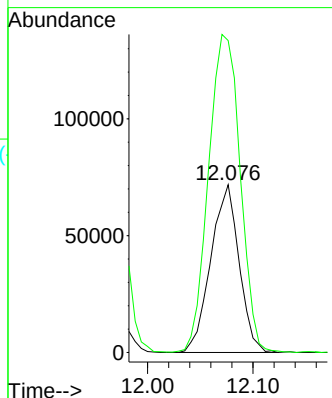
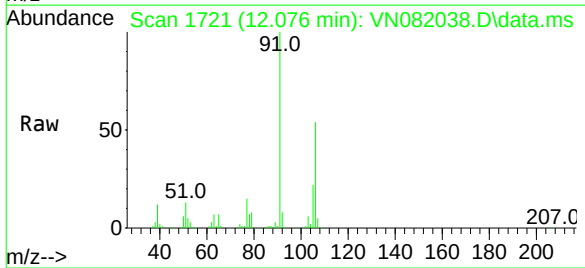
#67
m/p-Xylenes
Concen: 40.516 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 134052
Ion Ratio Lower Upper
106 100
91 212.1 166.6 249.8

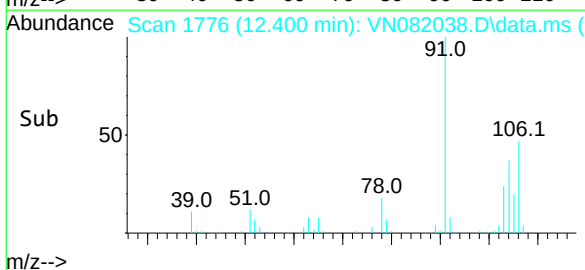
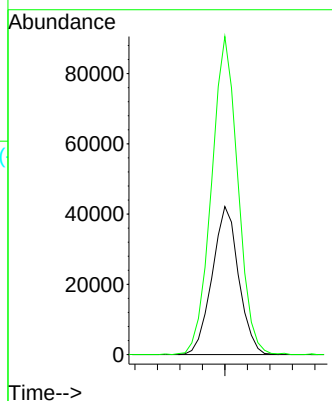
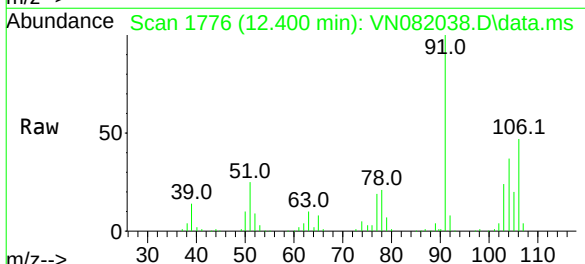
Manual Integrations
APPROVED

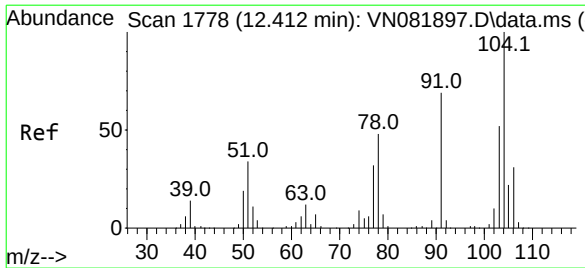
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#68
o-Xylene
Concen: 21.078 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:106 Resp: 69000
Ion Ratio Lower Upper
106 100
91 213.7 110.0 330.0





#69

Styrene

Concen: 20.583 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

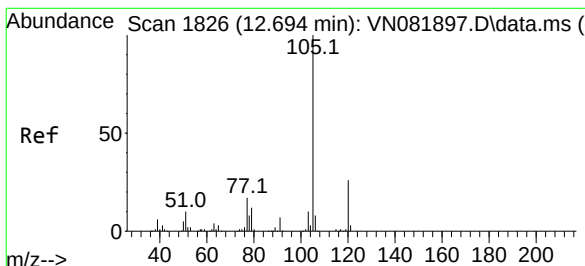
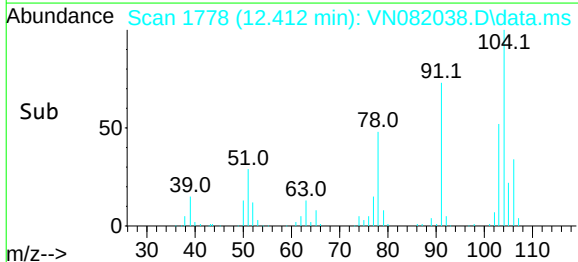
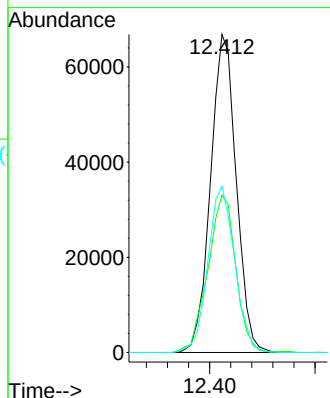
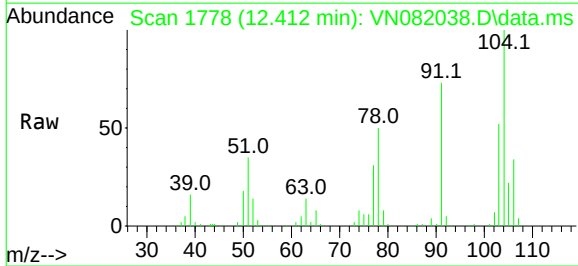
Tgt Ion:	104	Resp:	113108
Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.6	64.0
103	54.5	43.7	65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#70

Isopropylbenzene

Concen: 20.399 ug/l

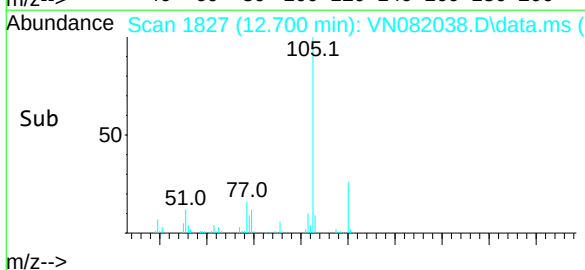
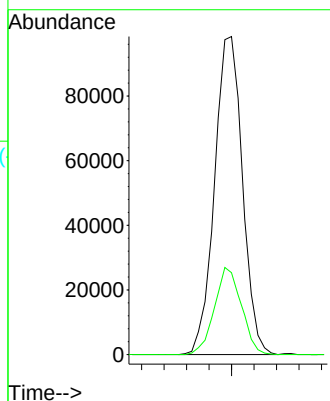
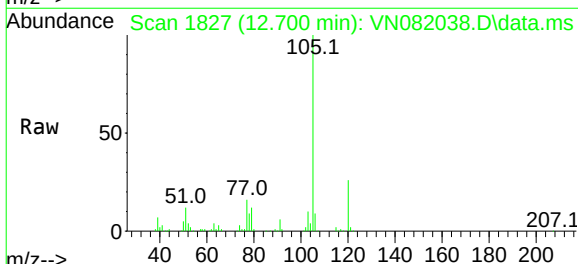
RT: 12.700 min Scan# 1827

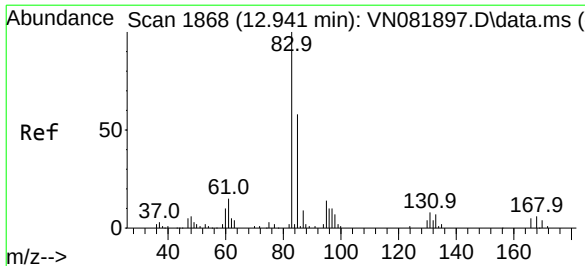
Delta R.T. 0.006 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion:	105	Resp:	169595
Ion	Ratio	Lower	Upper
105	100		
120	26.5	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 24.765 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

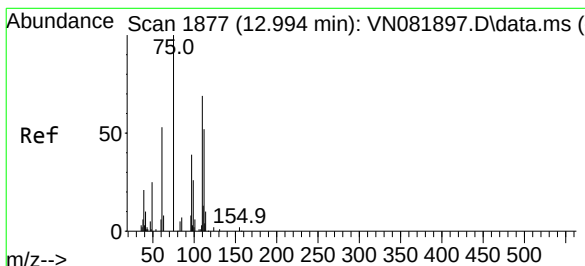
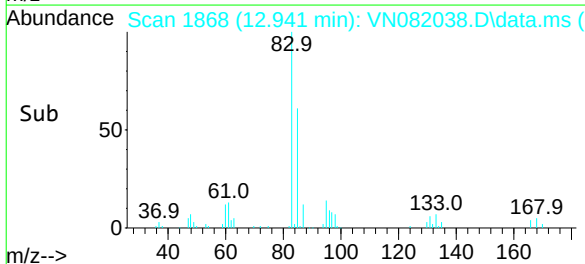
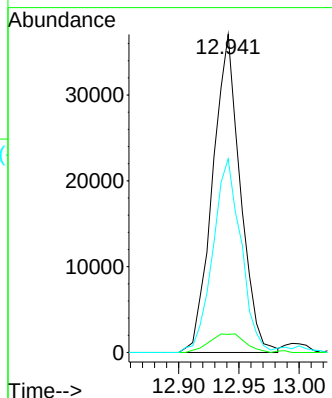
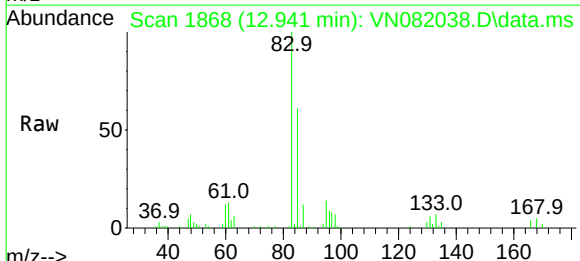
Tgt Ion:	83	Resp:	59251
Ion Ratio	Lower	Upper	
83	100		
131	7.6	5.2	15.6
85	61.7	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#72

1,2,3-Trichloropropane

Concen: 22.103 ug/l m

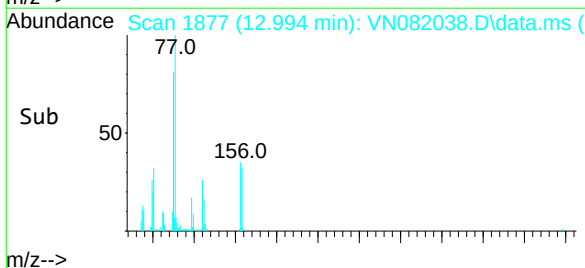
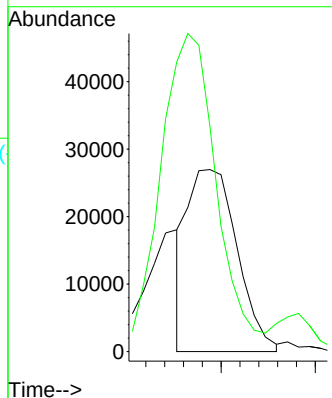
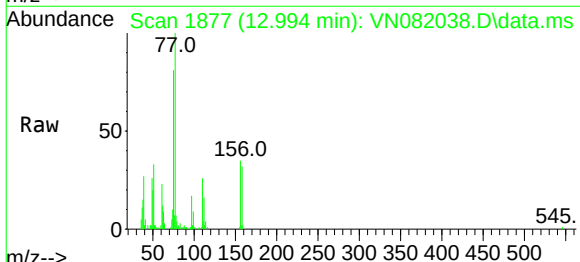
RT: 12.994 min Scan# 1877

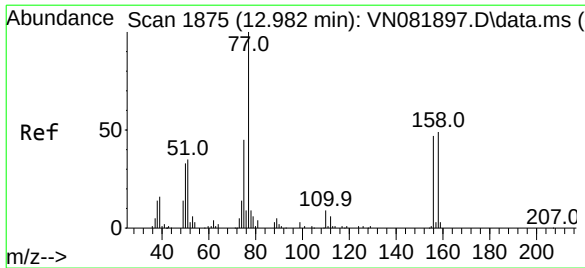
Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion:	75	Resp:	49440
Ion Ratio	Lower	Upper	
75	100		
77	197.9	0.0	367.6





#73

Bromobenzene

Concen: 19.553 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

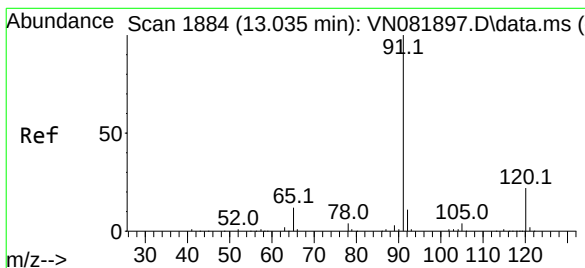
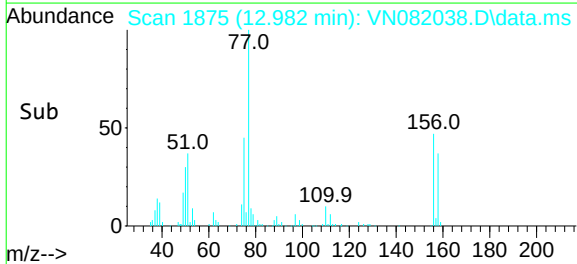
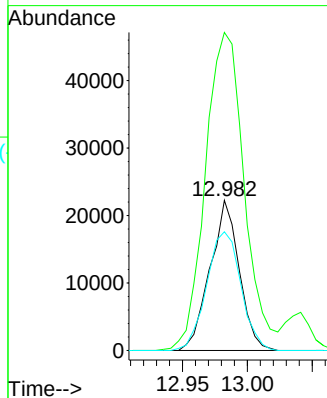
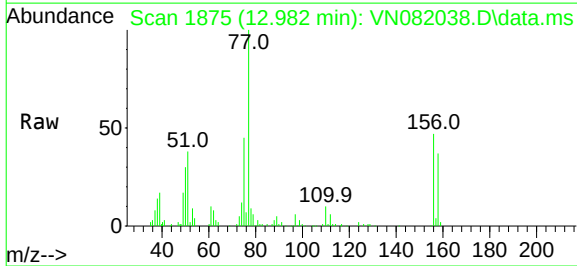
Tgt Ion:	156	Resp:	34798
Ion Ratio	Lower	Upper	
156	100		
77	281.1	0.0	437.6
158	92.6	0.0	203.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#74

n-propylbenzene

Concen: 20.993 ug/l

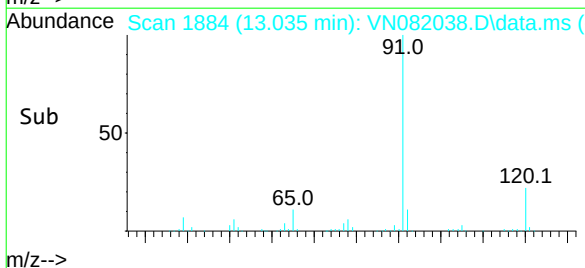
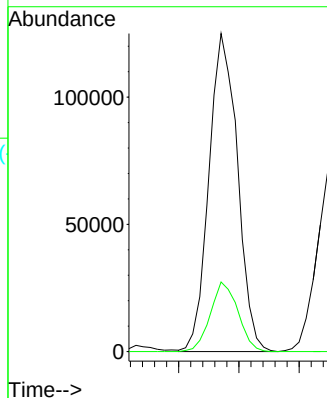
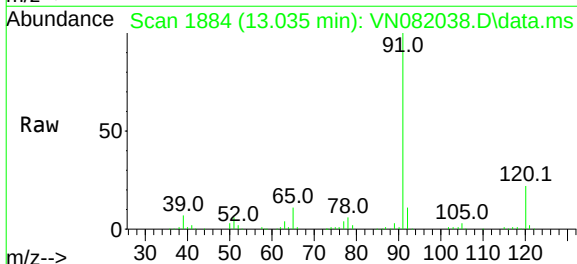
RT: 13.035 min Scan# 1884

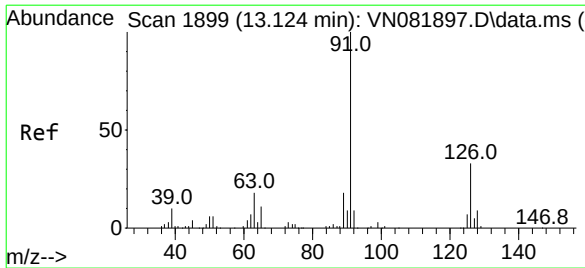
Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion:	91	Resp:	205914
Ion Ratio	Lower	Upper	
91	100		
120	21.2	0.0	43.8





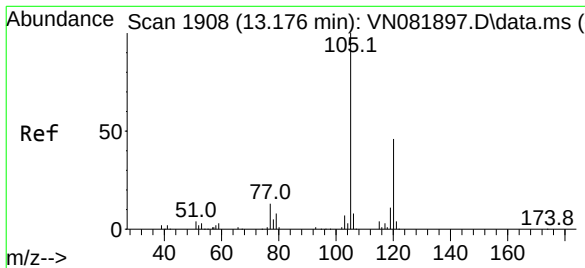
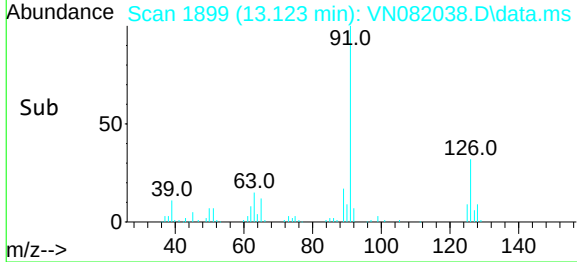
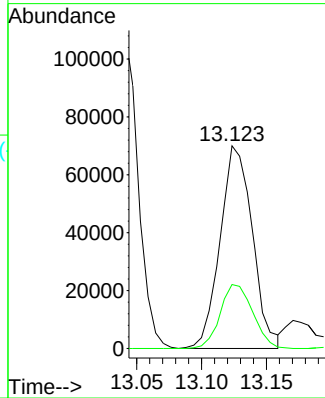
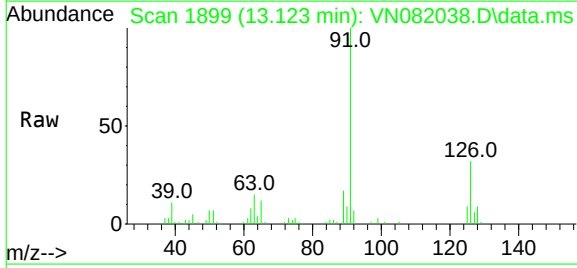
#75
2-Chlorotoluene
Concen: 20.001 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 121365
Ion Ratio Lower Upper
91 100
126 31.8 0.0 61.2

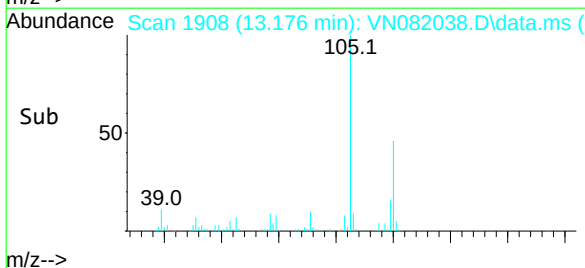
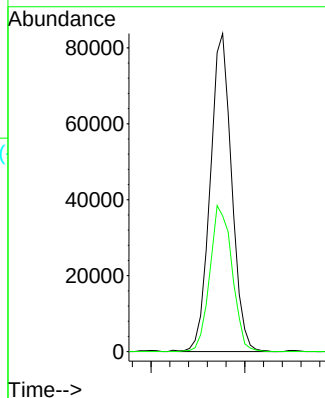
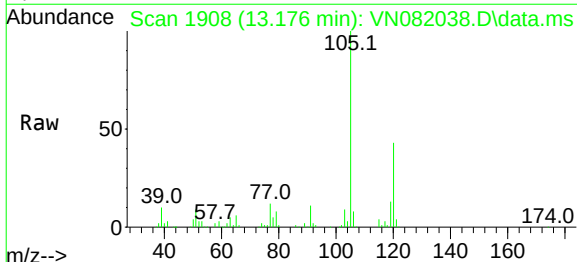
Manual Integrations
APPROVED

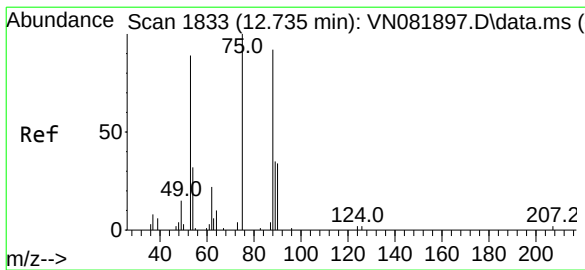
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.745 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:105 Resp: 132870
Ion Ratio Lower Upper
105 100
120 47.7 0.0 95.8





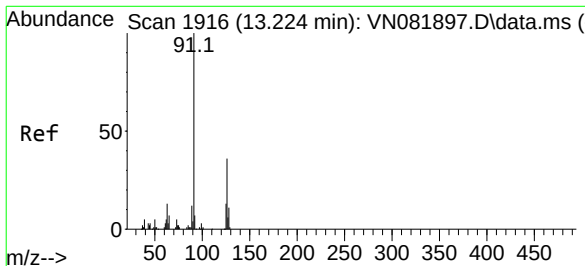
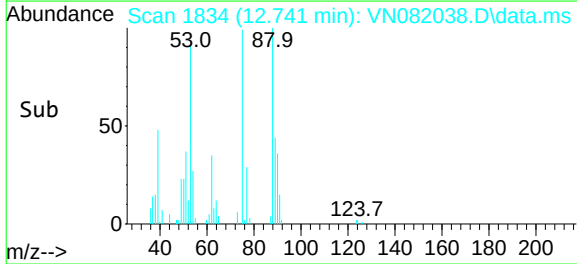
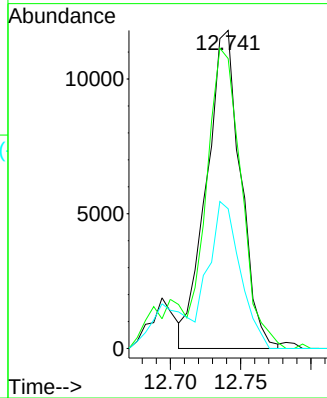
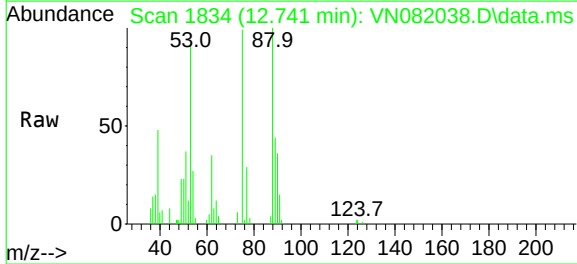
t-1,4-Dichloro-2-butene
 Concen: 20.026 ug/l
 RT: 12.741 min Scan# 1833
 Delta R.T. 0.006 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020EC

Tgt Ion: 75	Resp: 19937
Ion Ratio	Lower Upper
75 100	
53 90.5	45.9 137.7
89 44.5	25.9 77.7

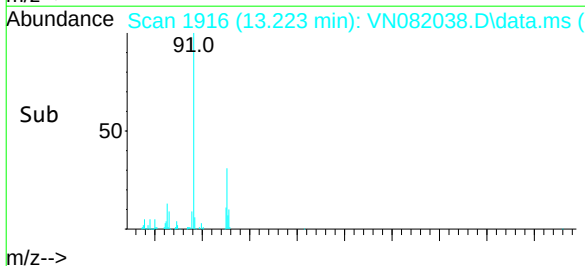
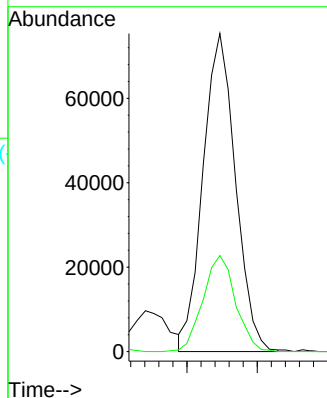
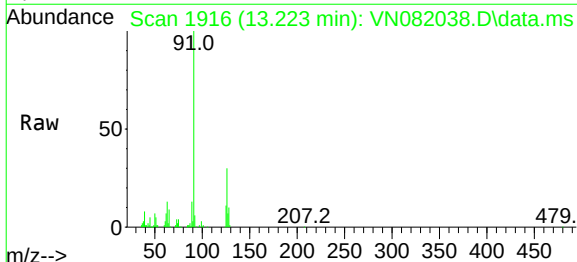
Manual Integrations
 APPROVED

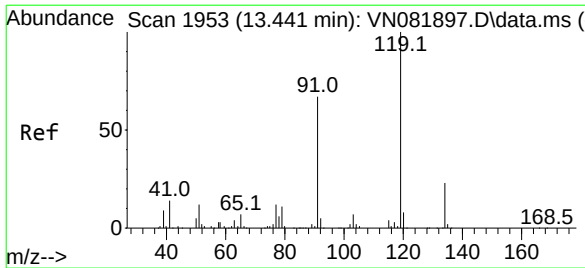
Reviewed By :John Carlone 05/09/2024
 Supervised By :Mahesh Dadoda 05/09/2024



4-Chlorotoluene
 Concen: 20.317 ug/l
 RT: 13.223 min Scan# 1916
 Delta R.T. -0.000 min
 Lab File: VN082038.D
 Acq: 08 May 2024 19:37

Tgt Ion: 91	Resp: 120777
Ion Ratio	Lower Upper
91 100	
126 30.3	0.0 62.8





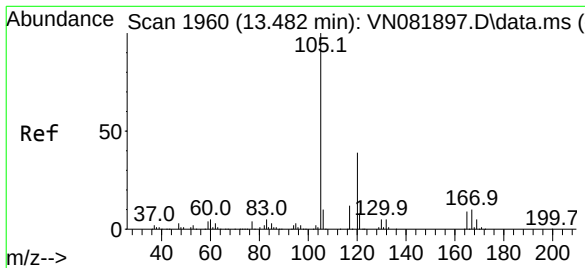
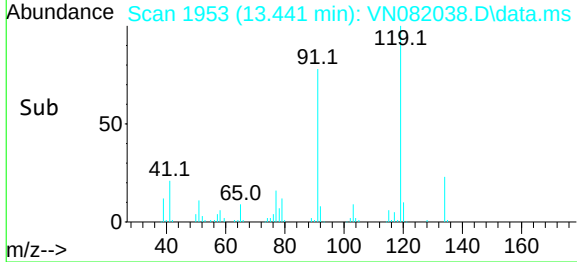
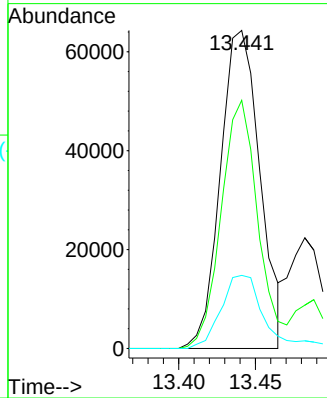
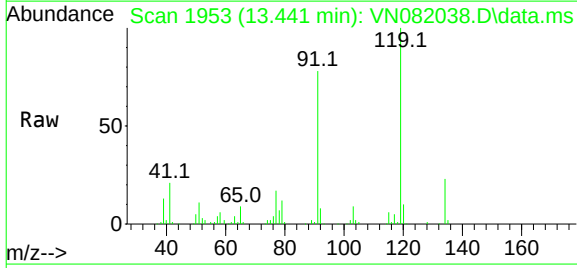
#79
tert-butylbenzene
Concen: 19.958 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 115639
Ion Ratio Lower Upper
119 100
91 72.7 0.0 138.8
134 23.8 0.0 48.6

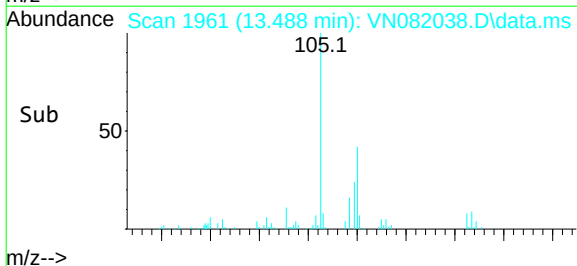
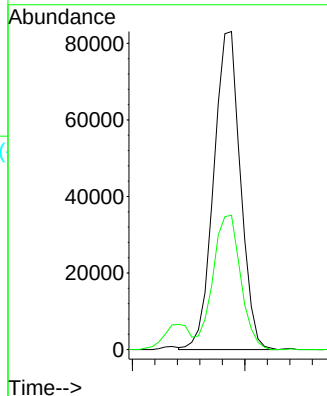
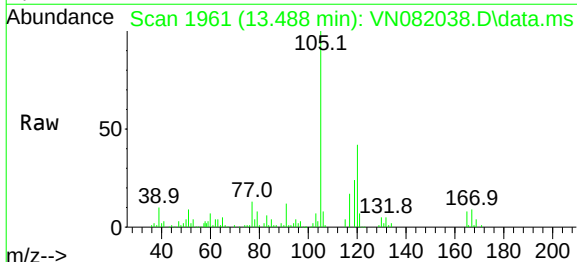
Manual Integrations
APPROVED

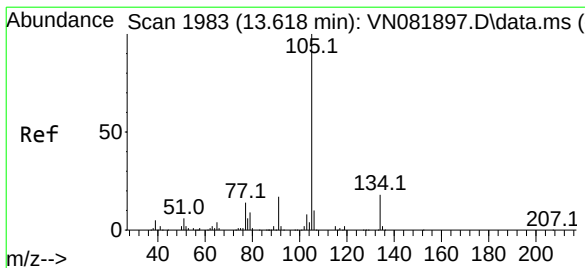
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#80
1,2,4-Trimethylbenzene
Concen: 20.280 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:105 Resp: 137083
Ion Ratio Lower Upper
105 100
120 44.1 0.0 86.8





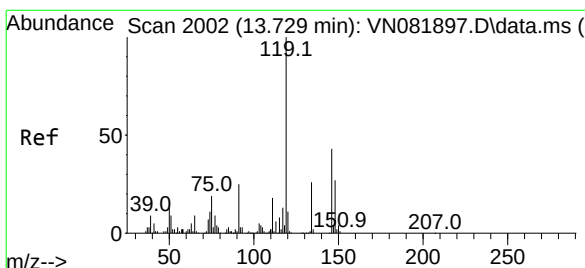
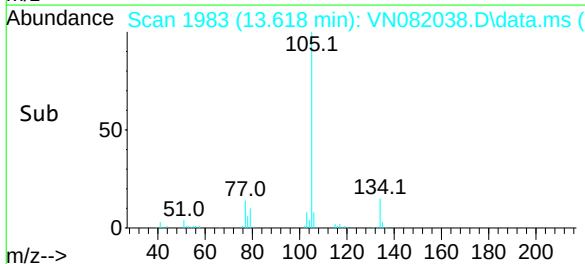
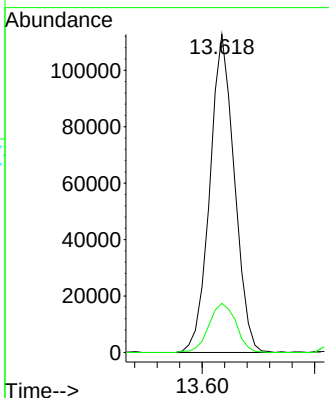
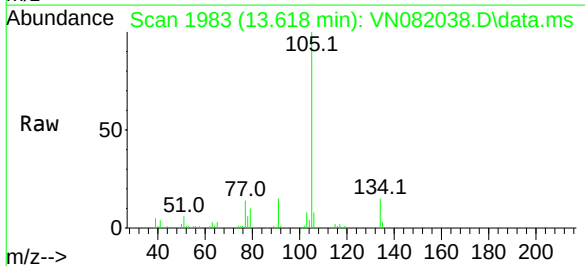
#81
sec-Butylbenzene
Concen: 21.042 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:105 Resp: 170901
Ion Ratio Lower Upper
105 100
134 17.1 0.0 39.0

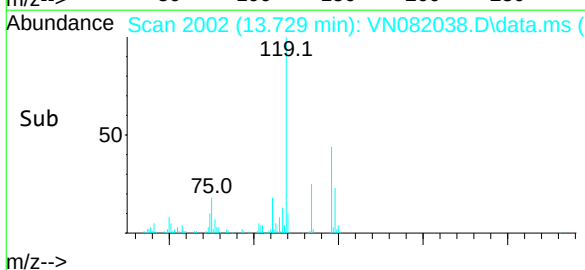
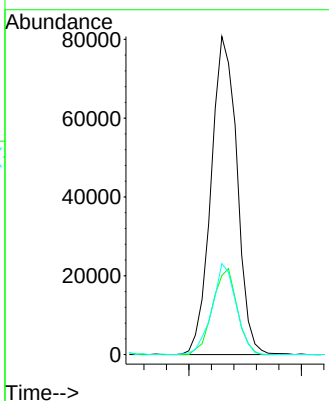
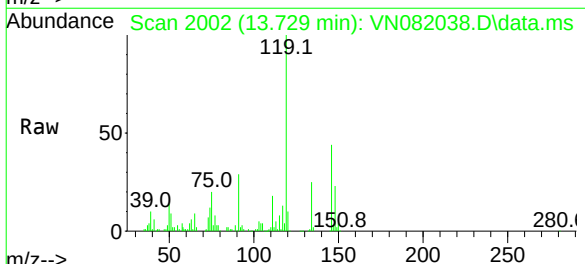
Manual Integrations
APPROVED

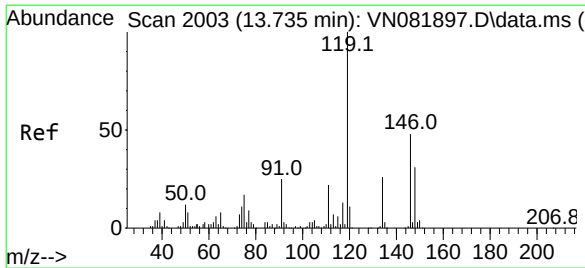
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#82
p-Isopropyltoluene
Concen: 20.166 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:119 Resp: 129512
Ion Ratio Lower Upper
119 100
134 25.7 0.0 49.2
91 26.6 0.0 48.8





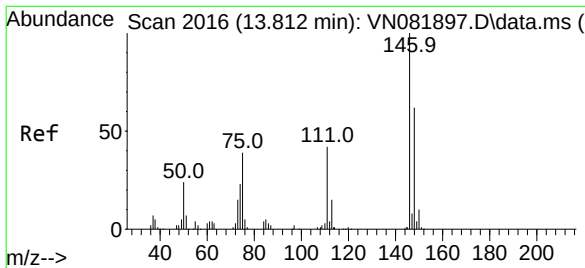
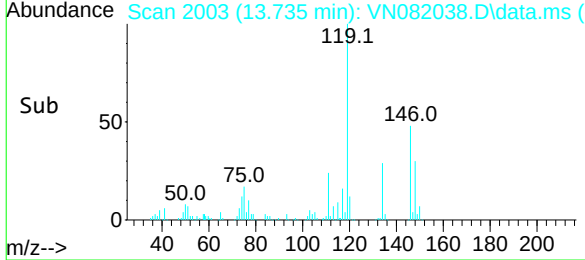
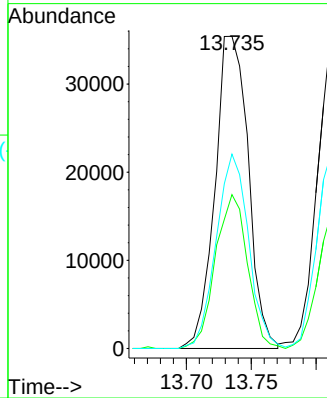
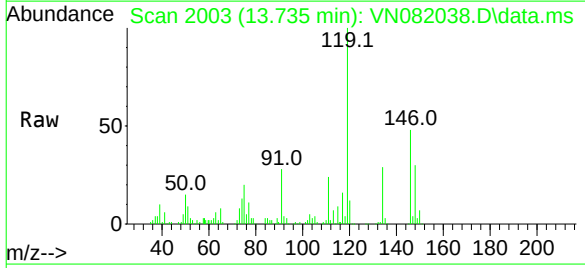
#83
1,3-Dichlorobenzene
Concen: 19.723 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	22.4	67.0
148	60.8	32.1	96.5

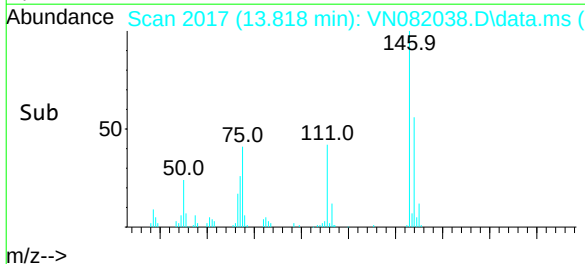
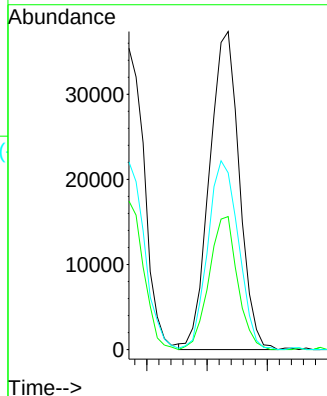
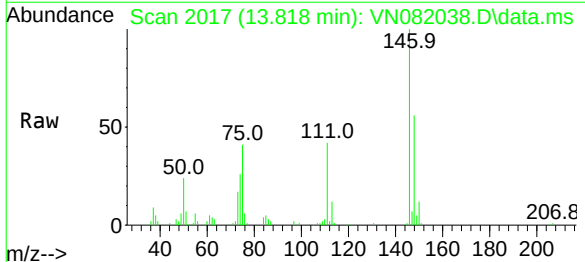
Manual Integrations
APPROVED

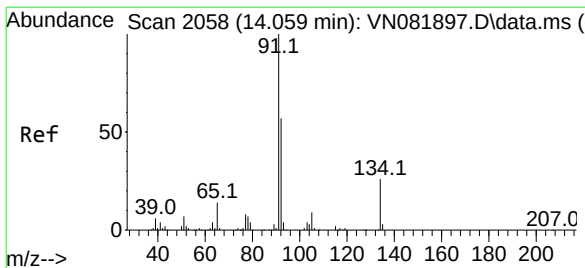
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#84
1,4-Dichlorobenzene
Concen: 19.988 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.3	63.9
148	60.9	31.9	95.5





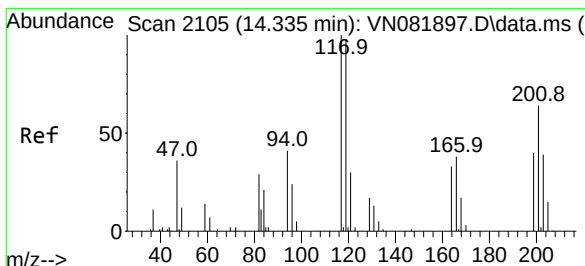
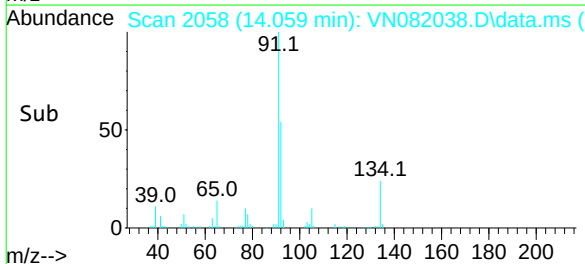
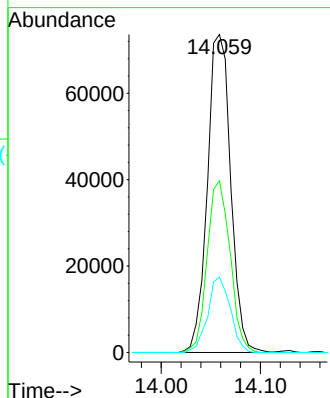
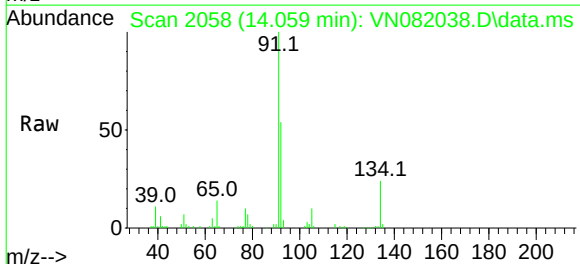
#85
n-Butylbenzene
Concen: 20.538 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 120487
Ion Ratio Lower Upper
91 100
92 53.0 0.0 105.0
134 22.9 0.0 51.8

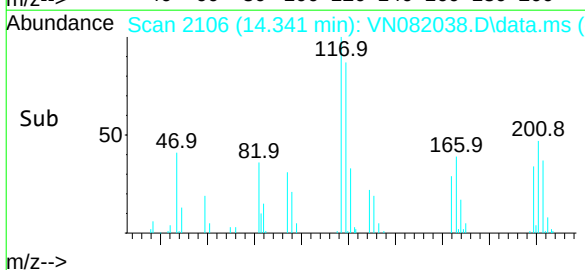
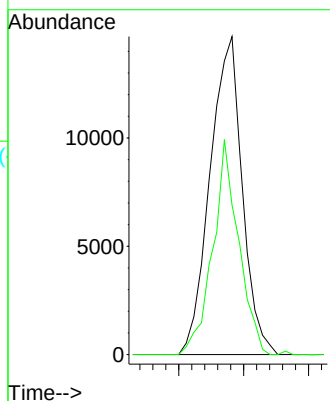
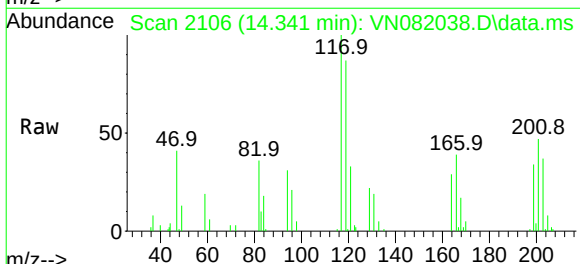
Manual Integrations
APPROVED

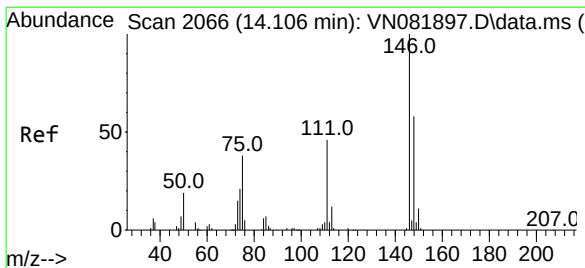
Reviewed By :John Carlone 05/09/2024
Supervised By :Mahesh Dadoda 05/09/2024



#86
Hexachloroethane
Concen: 19.767 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN082038.D
Acq: 08 May 2024 19:37

Tgt Ion:117 Resp: 25313
Ion Ratio Lower Upper
117 100
201 54.2 38.0 114.0





#87

1,2-Dichlorobenzene

Concen: 20.064 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

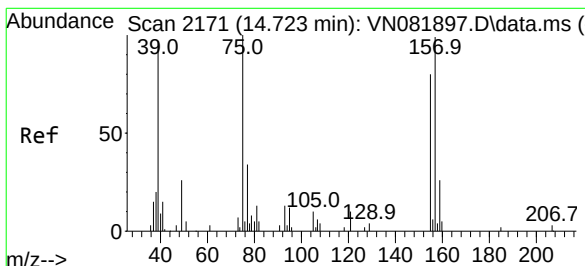
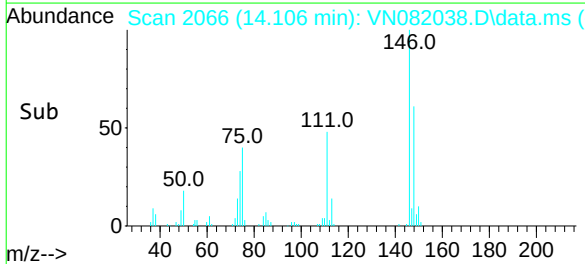
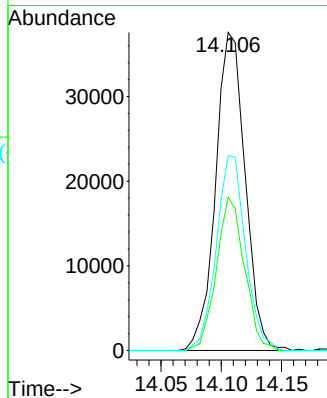
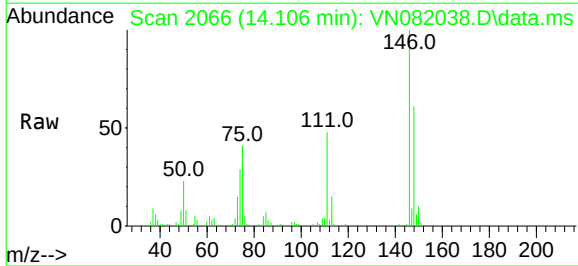
Tgt Ion:	146	Resp:	64039
Ion Ratio	Lower	Upper	
146	100		
111	45.8	22.6	67.8
148	60.7	31.3	93.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.765 ug/l

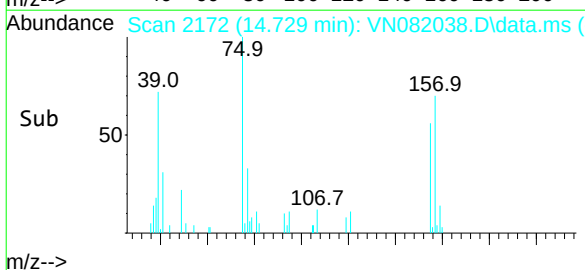
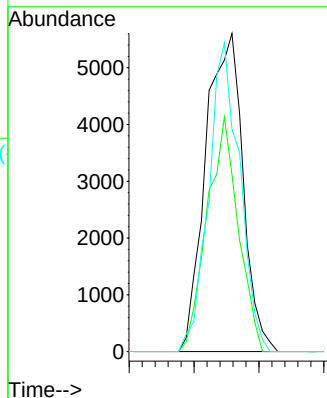
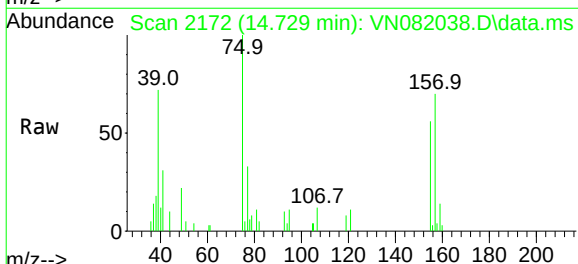
RT: 14.729 min Scan# 2172

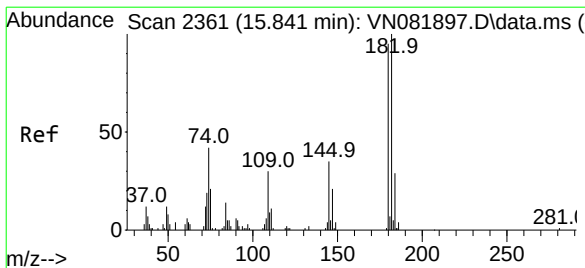
Delta R.T. 0.006 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion:	75	Resp:	11148
Ion Ratio	Lower	Upper	
75	100		
155	61.9	61.7	92.5
157	81.1	83.6	125.4#





#89

1,2,4-Trichlorobenzene

Concen: 18.532 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

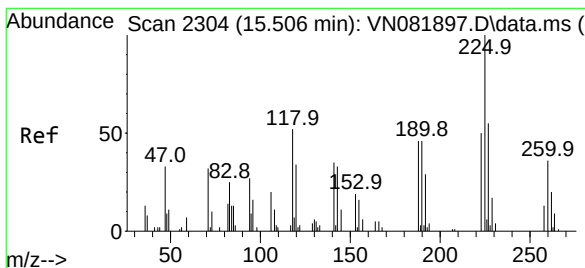
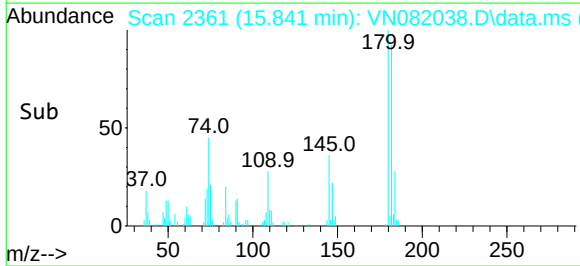
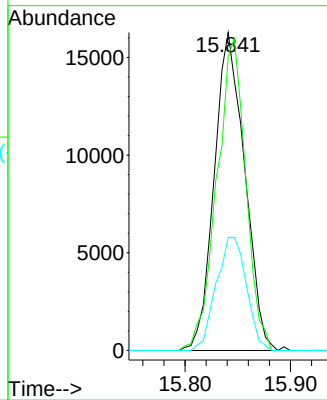
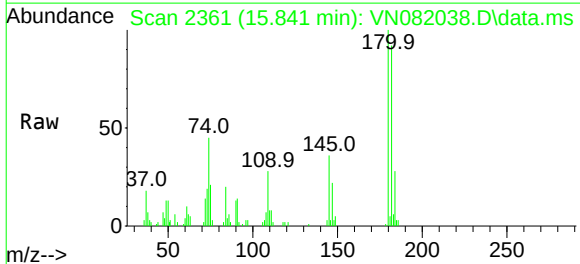
Tgt Ion:	180	Resp:	32569
Ion Ratio	Lower	Upper	
180	100		
182	93.5	76.4	114.6
145	35.3	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#90

Hexachlorobutadiene

Concen: 15.687 ug/l

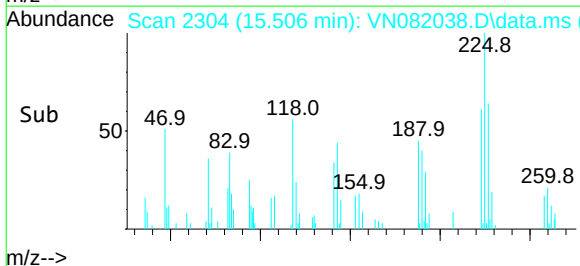
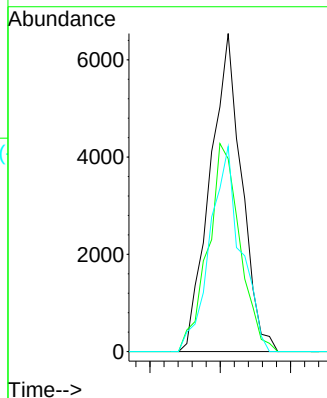
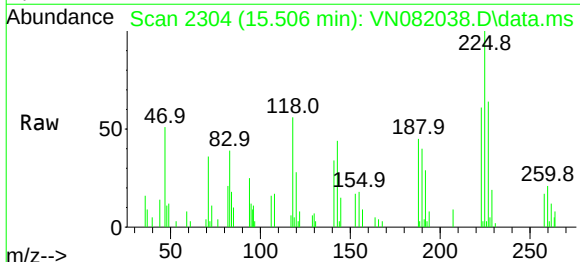
RT: 15.506 min Scan# 2304

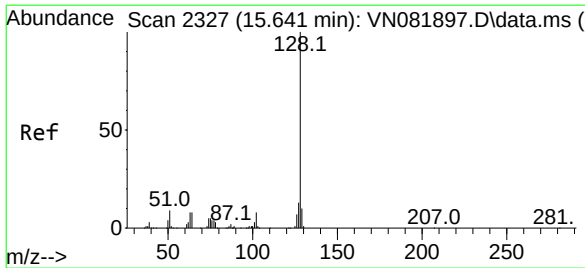
Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion:	225	Resp:	10210
Ion Ratio	Lower	Upper	
225	100		
223	66.0	0.0	126.6
227	63.1	0.0	126.6





#91

Naphthalene

Concen: 19.025 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

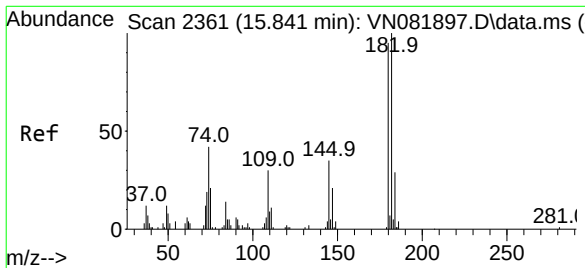
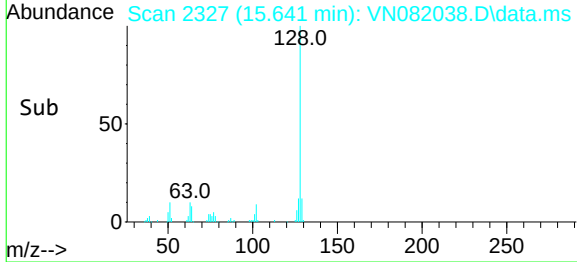
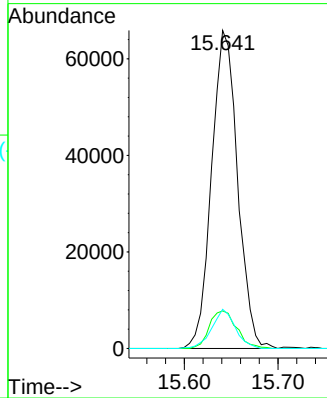
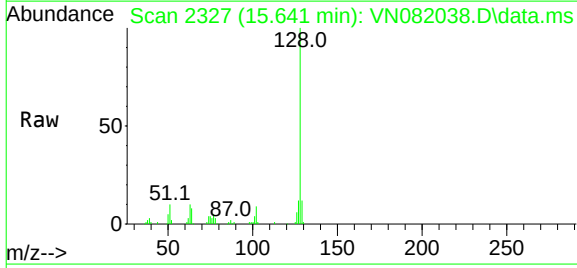
Tgt Ion:	128	Resp:	127102
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	11.2	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/09/2024

Supervised By :Mahesh Dadoda 05/09/2024



#92

1,2,3-Trichlorobenzene

Concen: 18.532 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN082038.D

Acq: 08 May 2024 19:37

Tgt Ion:	180	Resp:	32569
Ion	Ratio	Lower	Upper
180	100		
182	93.5	0.0	191.0
145	35.3	0.0	71.0

