

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082087.D
 Acq On : 13 May 2024 10:23
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 14 11:34:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/14/2024
 Supervised By : Mahesh Dadoda 05/14/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	27851	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	167176	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	145403	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	75889	32.545	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.467%			
60) 4-Bromofluorobenzene	12.847	95	71455	29.529	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.433%			
63) Toluene-d8	10.565	98	214439	31.055	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	28287	17.893	ug/l	98
3) Chloromethane	2.360	50	36885	20.118	ug/l	98
4) Vinyl Chloride	2.518	62	35544	20.522	ug/l	91
5) Bromomethane	2.971	94	18848	20.855	ug/l	97
6) Chloroethane	3.124	64	22949	23.399	ug/l	# 84
7) Trichlorofluoromethane	3.506	101	47856	18.883	ug/l	89
8) Diethyl Ether	3.959	74	24147	19.682	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.377	101	31847	18.310	ug/l	77
10) 1,1-Dichloroethene	4.348	96	31967	18.783	ug/l	87
11) Methyl Iodide	4.595	142	28197	18.138	ug/l	76
12) Methyl Acetate	5.030	43	54901	25.234	ug/l	# 77
13) Acrolein	4.183	56	24038	53.053	ug/l	99
14) Acrylonitrile	5.718	53	112160	115.462	ug/l	97
15) Acetone	4.418	58	24695m	112.724	ug/l	
16) Carbon Disulfide	4.712	76	76836	16.316	ug/l	# 92
17) Allyl chloride	5.024	41	60640	19.906	ug/l	87
18) Methylene Chloride	5.277	84	39265	20.302	ug/l	# 72
19) trans-1,2-Dichloroethene	5.783	96	33858m	19.113	ug/l	
20) Diisopropyl ether	6.671	45	144904	21.946	ug/l	96
21) 1,1-Dichloroethane	6.565	63	75086	21.476	ug/l	94
22) cis-1,2-Dichloroethene	7.489	96	44329	20.489	ug/l	93
23) tert-Butyl Alcohol	5.524	59	41232m	103.026	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	126399m	20.624	ug/l	
25) Chloroform	7.965	83	73016	21.708	ug/l	98
26) Cyclohexane	8.259	56	59014	19.637	ug/l	# 84
29) 1,1-Dichloropropene	8.371	75	47663	19.151	ug/l	95
30) 2-Butanone	7.489	43	141693	110.445	ug/l	93
31) 2,2-Dichloropropane	7.483	77	61678	24.182	ug/l	# 70
32) 1,1,1-Trichloroethane	8.171	97	57666	20.146	ug/l	# 93
33) Carbon Tetrachloride	8.365	117	45252	19.480	ug/l	# 84
34) Benzene	8.612	78	163950	20.649	ug/l	96
35) Methacrylonitrile	7.777	41	33108	20.398	ug/l	94
36) 1,2-Dichloroethane	8.665	62	54850	20.579	ug/l	99
37) Trichloroethene	9.353	130	33292	17.119	ug/l	99
38) Methylcyclohexane	9.600	83	55465	18.448	ug/l	95
39) 1,2-Dichloropropane	9.624	63	43048	21.130	ug/l	99
40) Dibromomethane	9.712	93	26868	20.528	ug/l	83
41) Bromodichloromethane	9.888	83	58425	20.885	ug/l	# 94
42) Vinyl Acetate	6.606	43	618594	113.284	ug/l	# 91

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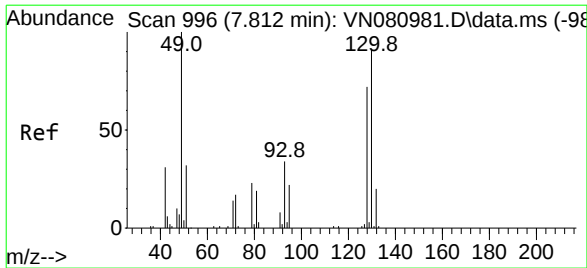
Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2024
 Supervised By : Mahesh Dadoda 05/14/2024

Quant Time: May 14 11:34:09 2024
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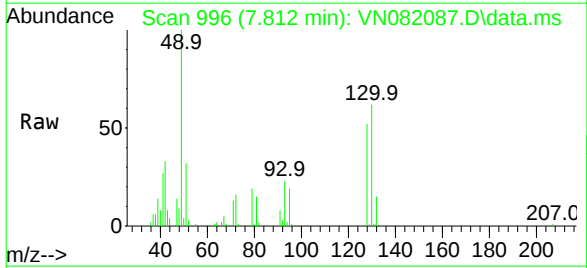
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43) Ethyl Acetate	7.559	43	58721	20.921	ug/l	98
44) Isopropyl Acetate	8.688	43	119377	24.042	ug/l #	83
45) 1,4-Dioxane	9.694	88	16318	409.739	ug/l #	93
46) Methyl methacrylate	9.683	41	48436	21.349	ug/l	83
47) n-amyl Acetate	12.494	43	87108m	19.454	ug/l	
48) t-1,3-Dichloropropene	10.835	75	59786	19.708	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	65065	20.286	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	37709	21.237	ug/l	91
51) Ethyl methacrylate	10.877	69	64338	19.198	ug/l	74
52) 1,3-Dichloropropane	11.165	76	67548	20.706	ug/l	98
53) Dibromochloromethane	11.365	129	35555	18.404	ug/l	94
54) 1,2-Dibromoethane	11.471	107	35191	19.872	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	173626	103.606	ug/l	95
56) Bromoform	12.582	173	19202	16.331	ug/l #	92
58) 4-Methyl-2-Pentanone	10.447	43	316490	112.105	ug/l #	85
59) 2-Hexanone	11.200	43	232514	111.075	ug/l #	88
61) Tetrachloroethene	11.100	164	28958	17.948	ug/l	87
62) Toluene	10.630	91	164680	20.129	ug/l	99
64) Chlorobenzene	11.894	112	97406	19.466	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	31148	19.018	ug/l	92
66) Ethyl Benzene	11.965	91	174550	19.464	ug/l	98
67) m/p-Xylenes	12.071	106	129730	39.018	ug/l	98
68) o-Xylene	12.400	106	61139	18.586	ug/l	94
69) Styrene	12.412	104	106065	19.207	ug/l	97
70) Isopropylbenzene	12.694	105	157666	18.872	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	53000	22.044	ug/l #	94
72) 1,2,3-Trichloropropane	12.994	75	45857	23.310	ug/l	92
73) Bromobenzene	12.982	156	34919	19.525	ug/l	80
74) n-propylbenzene	13.035	91	195311	19.801	ug/l	98
75) 2-Chlorotoluene	13.124	91	114897	18.843	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	130265	19.263	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	19113	19.095	ug/l	83
78) 4-Chlorotoluene	13.224	91	113817	19.053	ug/l	98
79) tert-butylbenzene	13.441	119	105018	18.036	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	128128	18.863	ug/l	97
81) sec-Butylbenzene	13.618	105	153363	18.790	ug/l	98
82) p-Isopropyltoluene	13.729	119	122943	19.049	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	61783	19.186	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	62745	19.385	ug/l	98
85) n-Butylbenzene	14.059	91	115318	19.561	ug/l	94
86) Hexachloroethane	14.335	117	23792	18.489	ug/l	77
87) 1,2-Dichlorobenzene	14.106	146	62796	19.579	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.712	75	9667	17.918	ug/l	89
89) 1,2,4-Trichlorobenzene	15.841	180	32606	18.463	ug/l	94
90) Hexachlorobutadiene	15.506	225	10843	16.578	ug/l	98
91) Naphthalene	15.641	128	122089	18.186	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	32606	18.463	ug/l	94

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

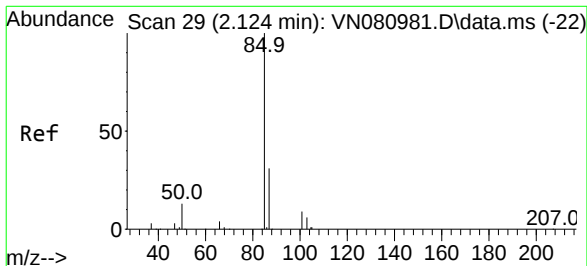
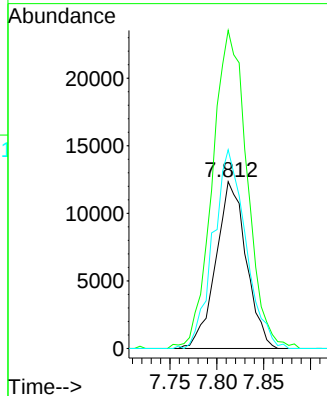
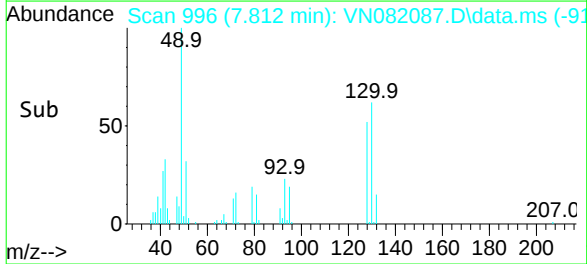
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 27851
Ion Ratio Lower Upper
128 100
49 217.5 0.0 403.7
130 127.4 0.0 323.3

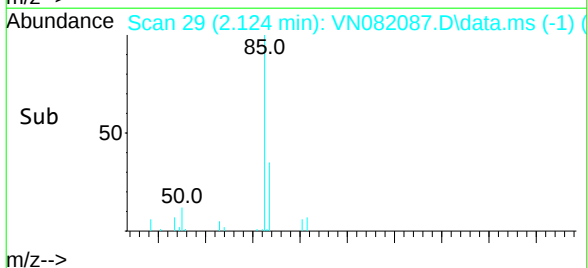
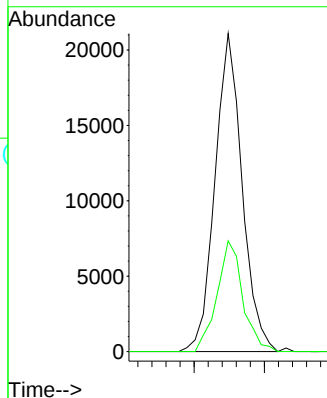
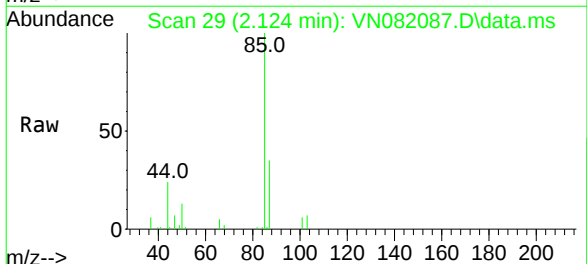
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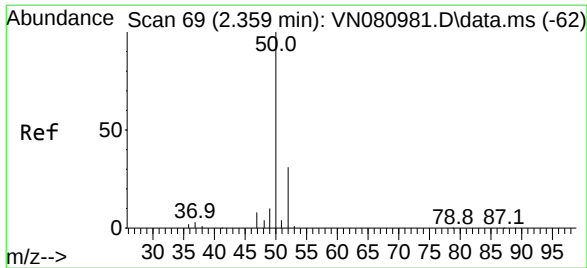
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#2
Dichlorodifluoromethane
Concen: 17.893 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion: 85 Resp: 28287
Ion Ratio Lower Upper
85 100
87 34.8 16.8 50.3





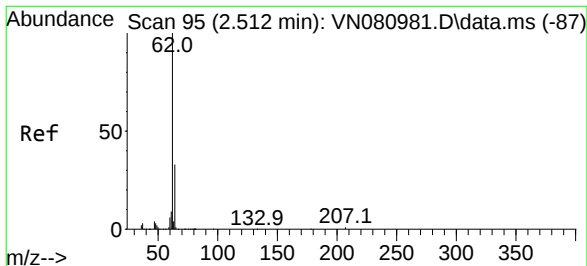
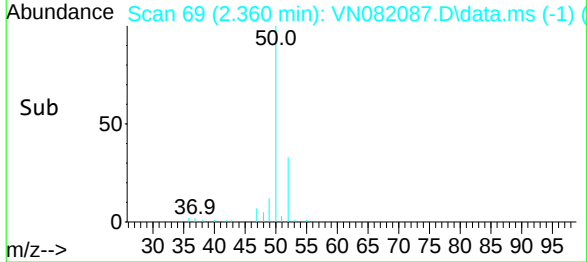
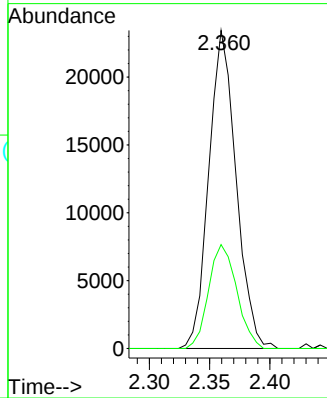
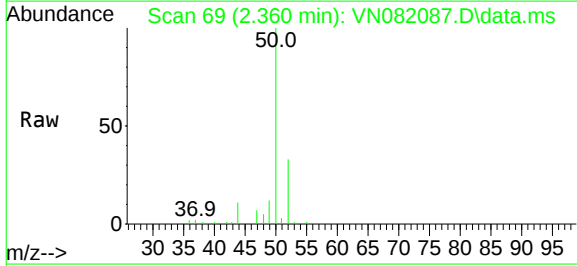
#3
Chloromethane
Concen: 20.118 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 36885
Ion Ratio Lower Upper
50 100
52 32.7 25.4 38.0

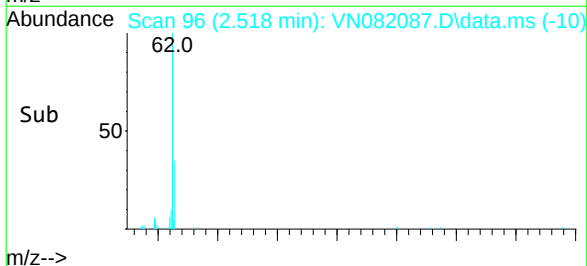
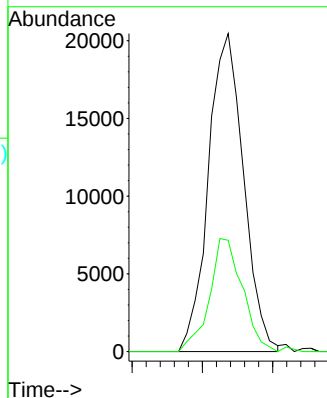
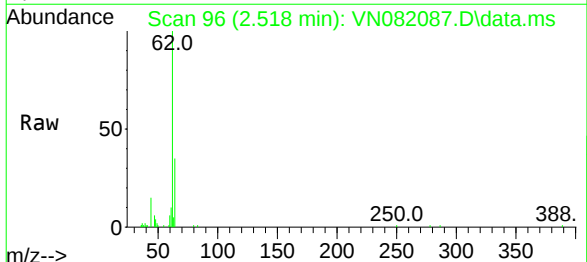
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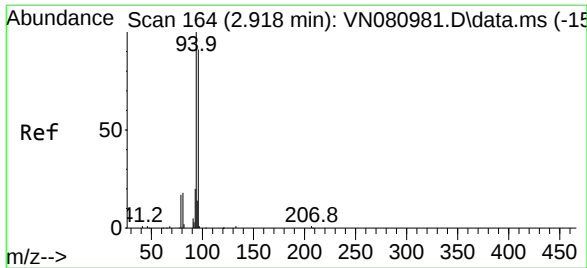
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#4
Vinyl Chloride
Concen: 20.522 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

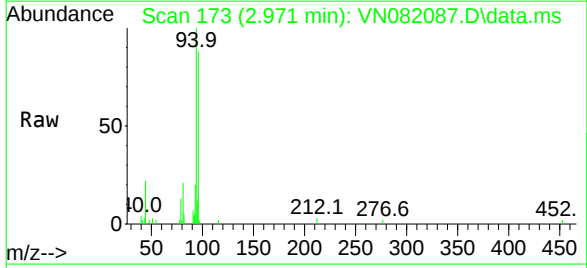
Tgt Ion: 62 Resp: 35544
Ion Ratio Lower Upper
62 100
64 35.0 24.1 36.1





#5
Bromomethane
Concen: 20.855 ug/l
RT: 2.971 min Scan# 17
Delta R.T. 0.053 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

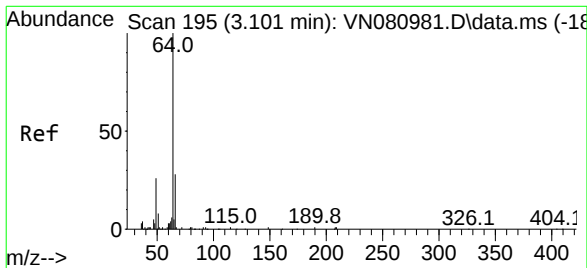
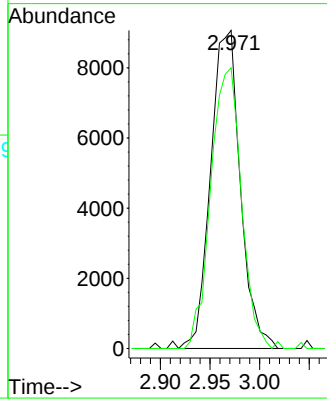
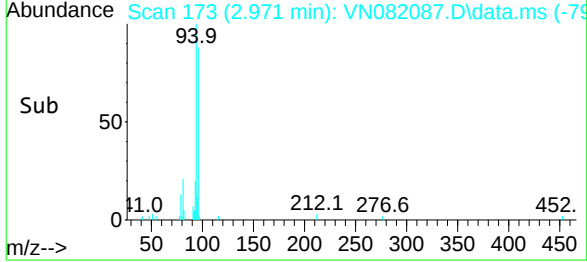
Instrument :
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ClientSampleId :
VSTDCCC020



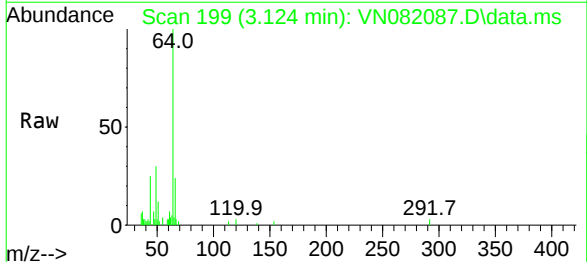
Tgt Ion: 94 Resp: 18848
Ion Ratio Lower Upper
94 100
96 88.2 72.8 109.2

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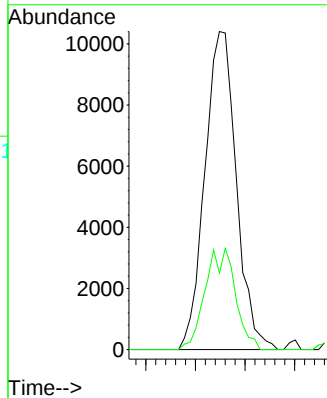
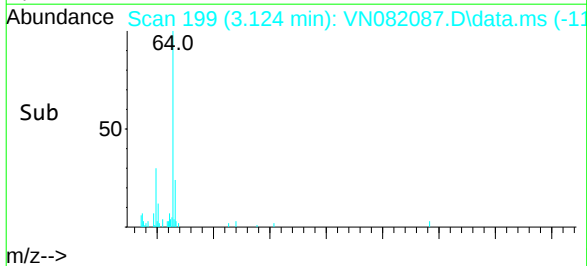
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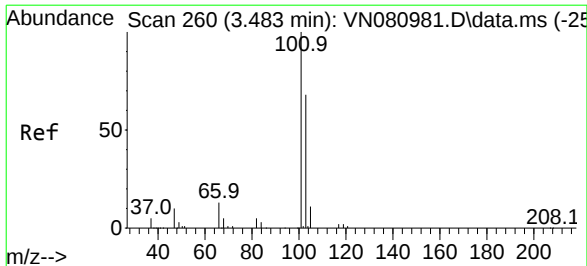


#6
Chloroethane
Concen: 23.399 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.024 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23



Tgt Ion: 64 Resp: 22949
Ion Ratio Lower Upper
64 100
66 24.1 26.7 40.1#





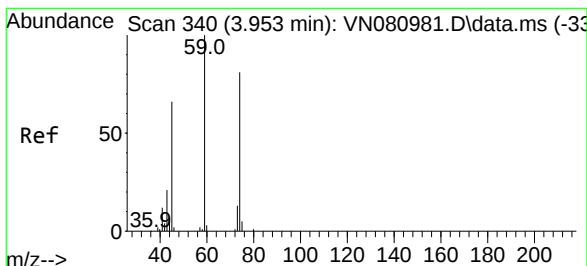
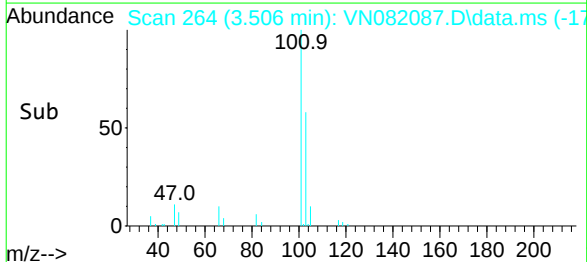
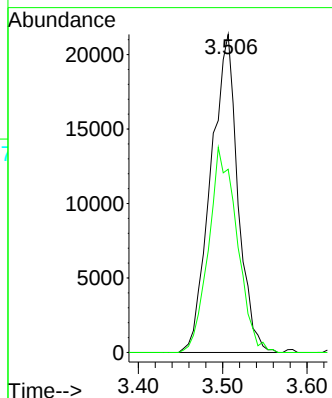
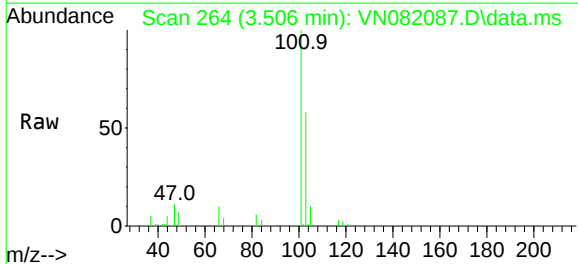
#7
 Trichlorofluoromethane
 Concen: 18.883 ug/l
 RT: 3.506 min Scan# 260
 Delta R.T. 0.024 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Instrument :
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 VSTDCCC020

Tgt Ion:101 Resp: 47856
 Ion Ratio Lower Upper
 101 100
 103 57.6 53.0 79.4

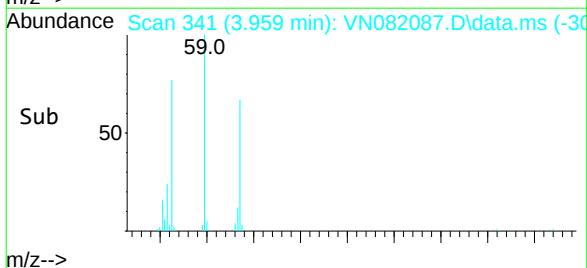
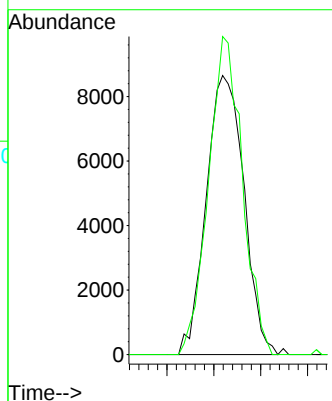
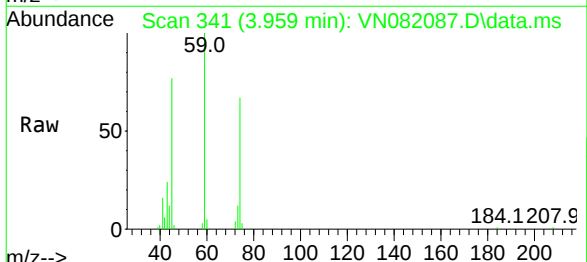
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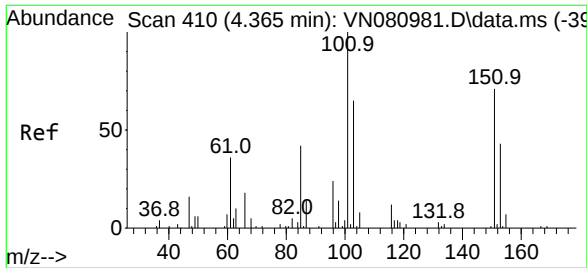
Reviewed By :John Carlone 05/14/2024
 Supervised By :Mahesh Dadoda 05/14/2024



#8
 Diethyl Ether
 Concen: 19.682 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Tgt Ion: 74 Resp: 24147
 Ion Ratio Lower Upper
 74 100
 45 102.6 16.4 147.4





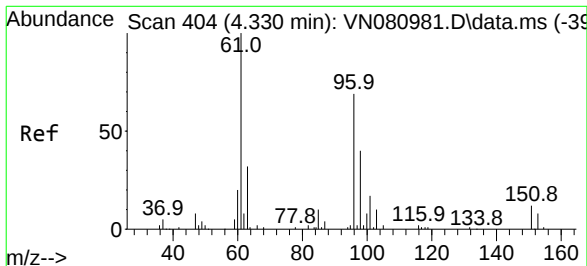
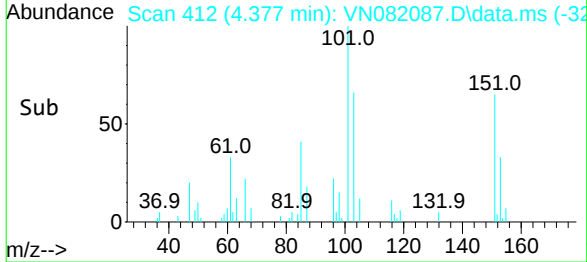
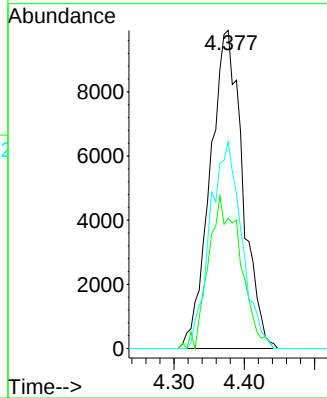
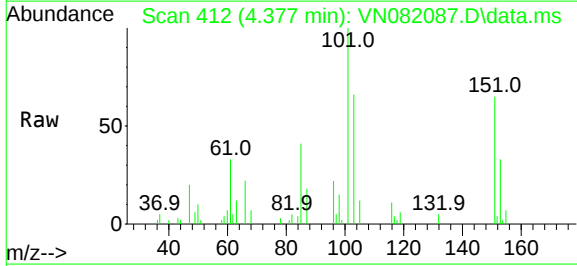
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.310 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 101 Resp: 31847
Ion Ratio Lower Upper
101 100
85 23.6 0.0 90.6
151 63.1 0.0 157.6

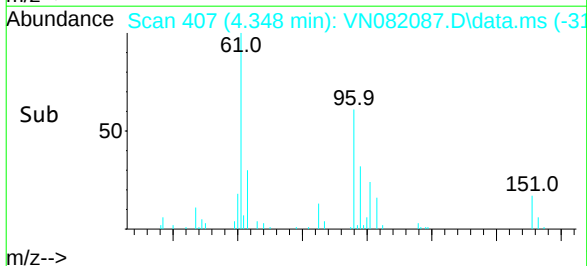
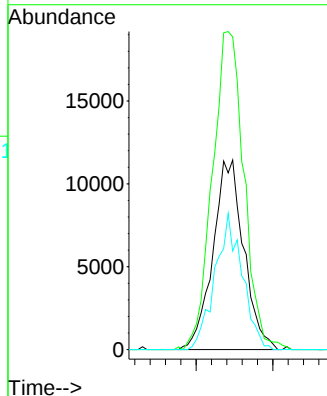
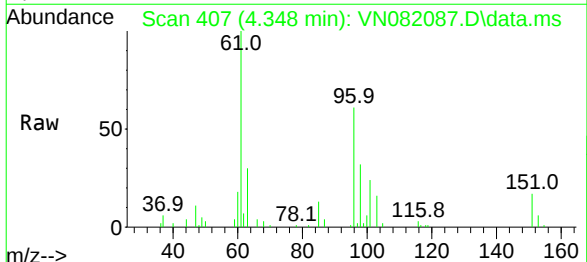
Manual Integrations
APPROVED

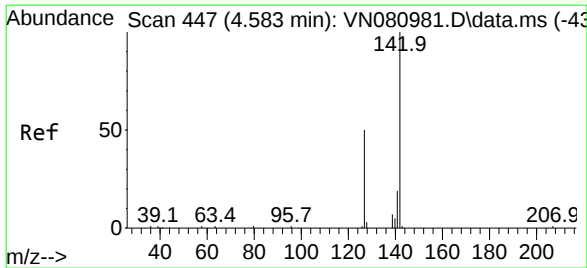
Reviewed By : John Carlone 05/14/2024
Supervised By : Mahesh Dadoda 05/14/2024



#10
1,1-Dichloroethene
Concen: 18.783 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.018 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

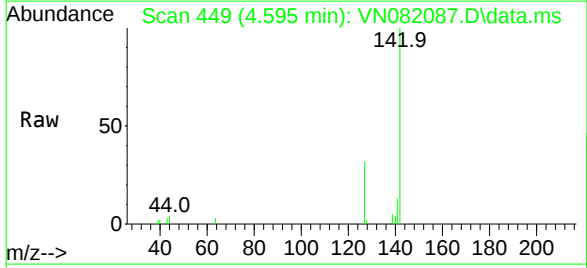
Tgt Ion: 96 Resp: 31967
Ion Ratio Lower Upper
96 100
61 163.6 117.6 176.4
98 52.0 48.4 72.6





#11
Methyl Iodide
Concen: 18.138 ug/l
RT: 4.595 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

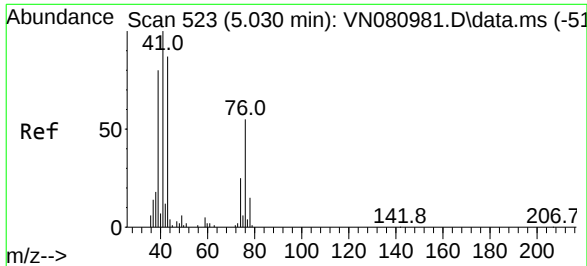
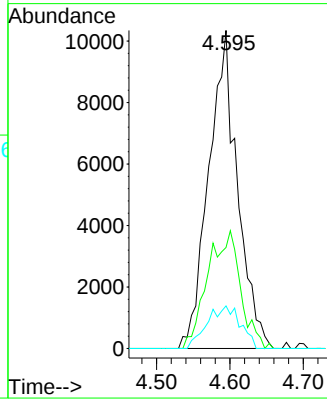
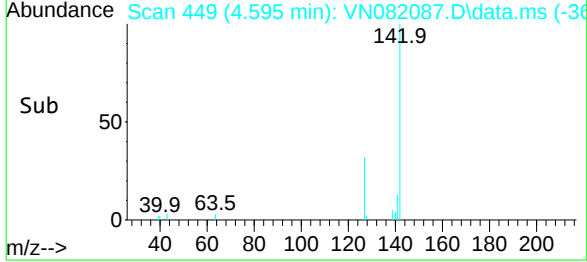
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



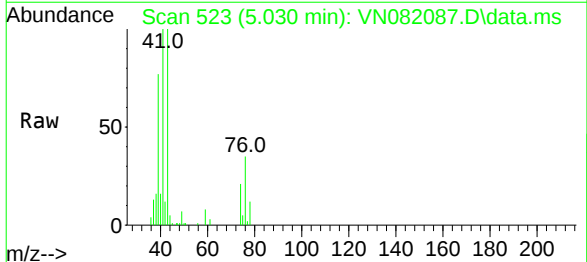
Tgt Ion	Ratio	Lower	Upper
142	100		
127	31.8	26.3	78.9
141	13.4	8.3	24.9

Manual Integrations
APPROVED

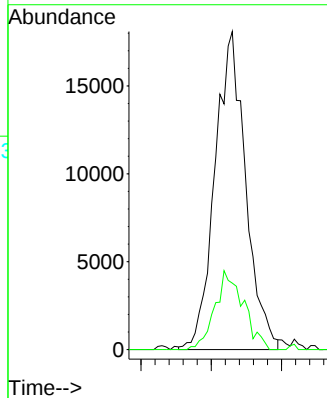
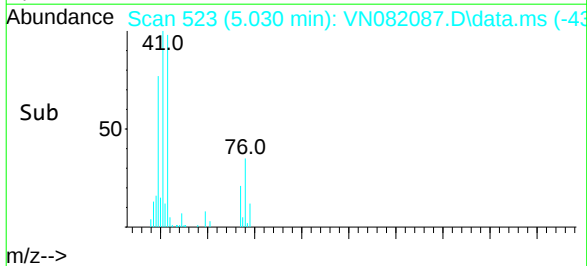
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024

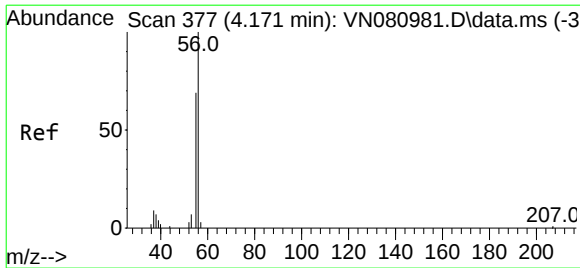


#12
Methyl Acetate
Concen: 25.234 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23



Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	27.7	41.5#





#13

Acrolein

Concen: 53.053 ug/l

RT: 4.183 min Scan# 37

Delta R.T. 0.012 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 24038

Ion Ratio Lower Upper

56 100

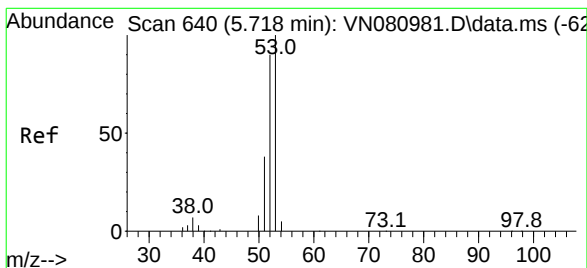
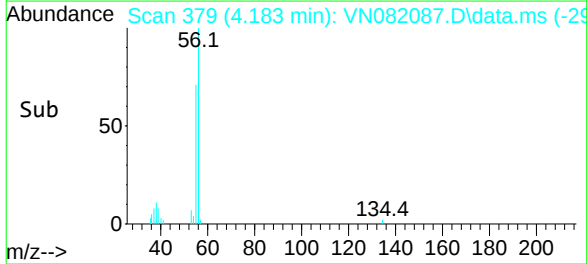
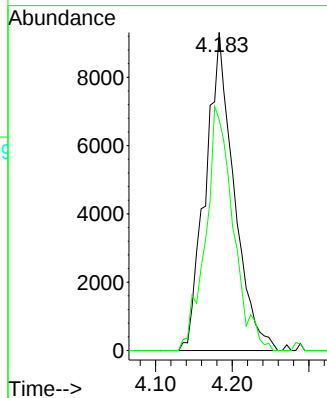
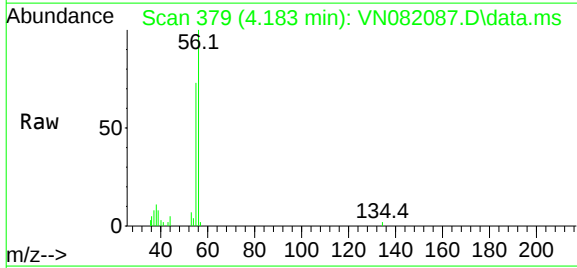
55 70.5 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#14

Acrylonitrile

Concen: 115.462 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

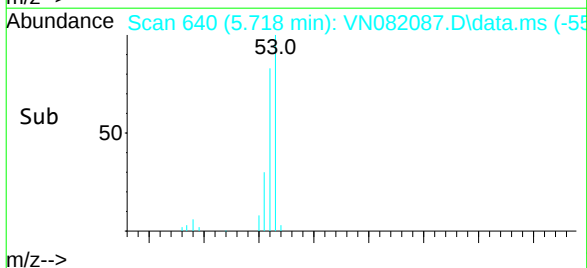
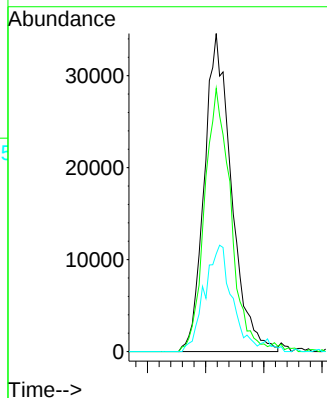
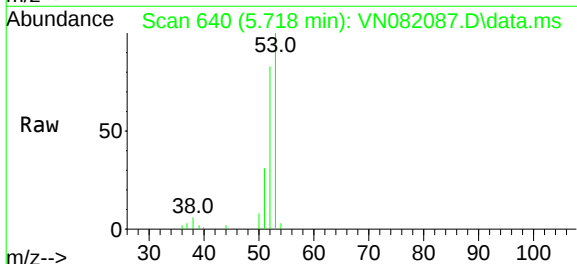
Tgt Ion: 53 Resp: 112160

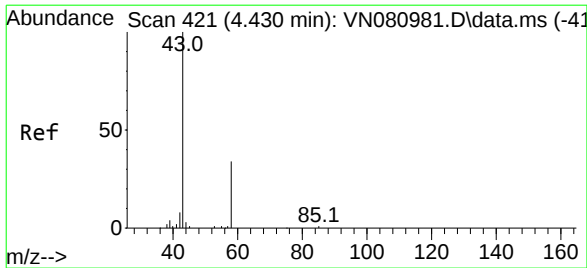
Ion Ratio Lower Upper

53 100

52 79.4 41.3 123.9

51 32.3 16.8 50.3





#15

Acetone

Concen: 112.724 ug/l m

RT: 4.418 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN082087.D

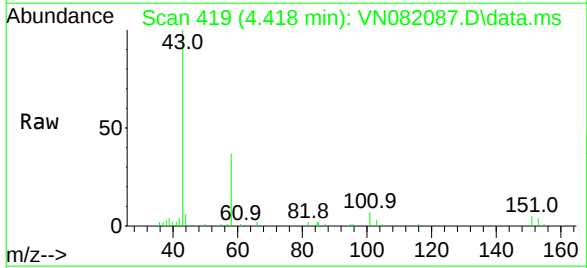
Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 58 Resp: 24695

Ion Ratio Lower Upper

58 100

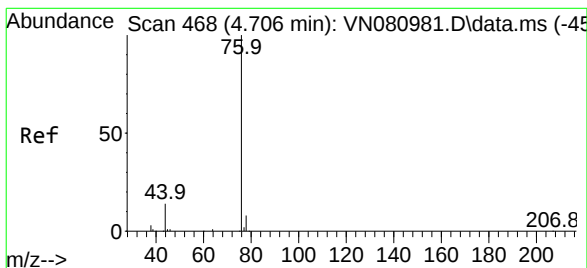
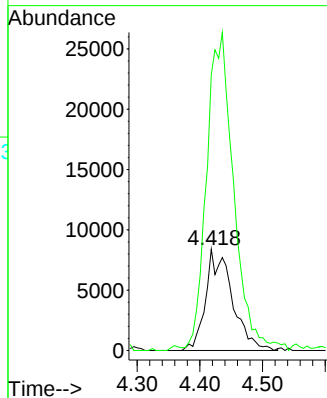
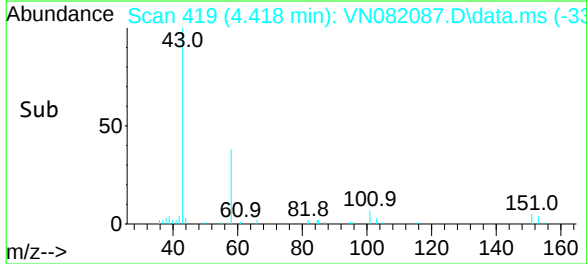
43 272.4 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#16

Carbon Disulfide

Concen: 16.316 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN082087.D

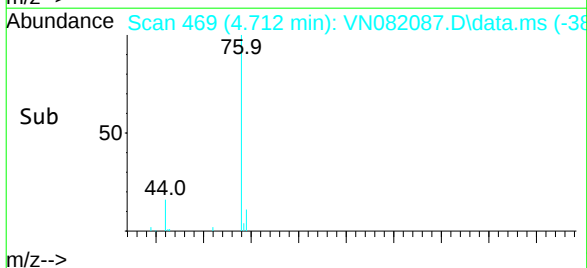
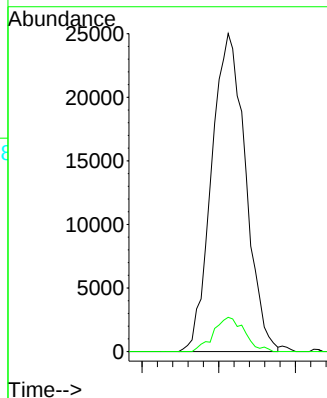
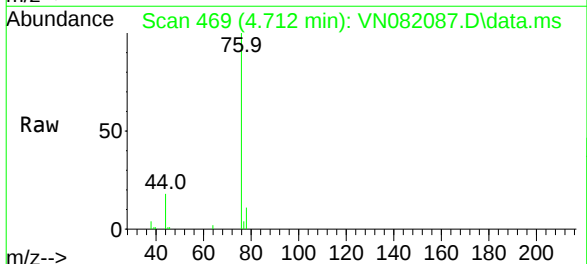
Acq: 13 May 2024 10:23

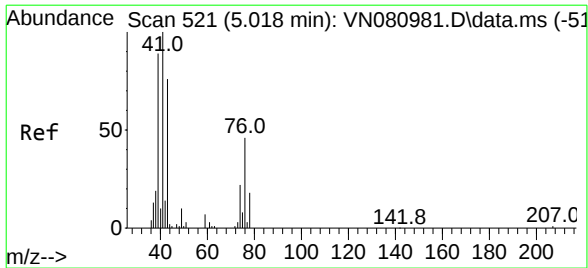
Tgt Ion: 76 Resp: 76836

Ion Ratio Lower Upper

76 100

78 10.8 6.3 9.5#





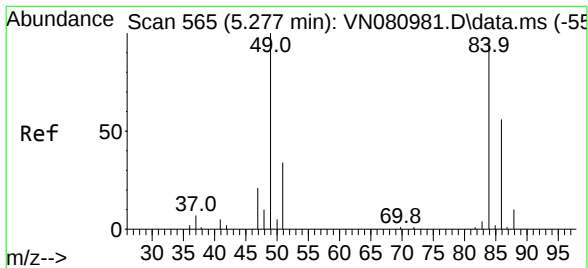
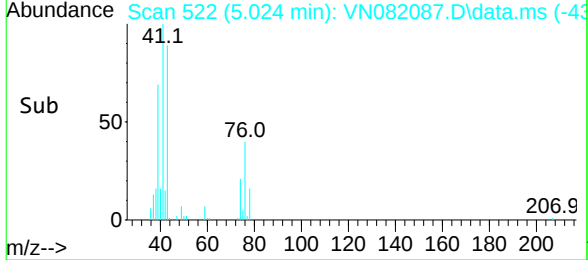
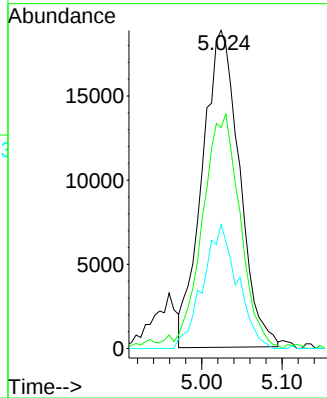
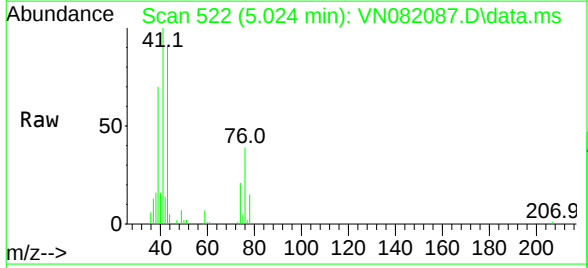
#17
 Allyl chloride
 Concen: 19.906 ug/l
 RT: 5.024 min Scan# 521
 Delta R.T. 0.006 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	41	Resp:	60640
Ion	Ratio	Lower	Upper
41	100		
39	69.9	37.6	112.9
76	39.8	27.8	83.4

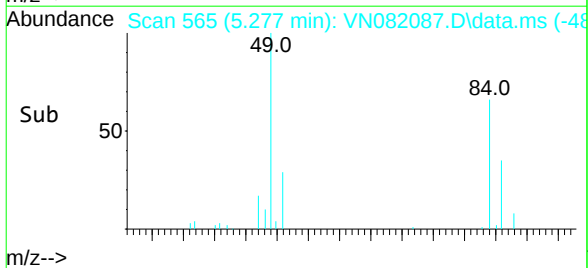
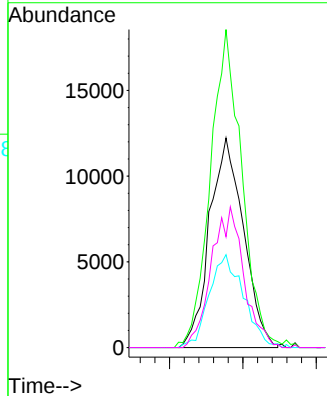
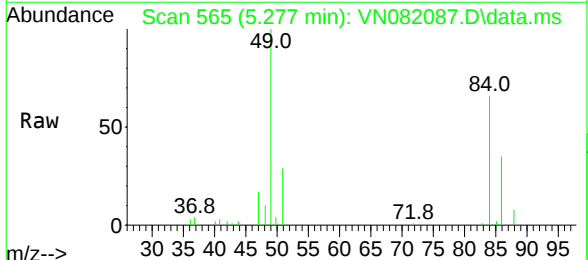
Manual Integrations
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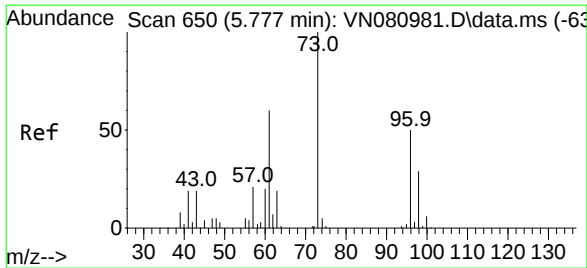
Reviewed By :John Carlone 05/14/2024
 Supervised By :Mahesh Dadoda 05/14/2024



#18
 Methylene Chloride
 Concen: 20.302 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Tgt Ion:	84	Resp:	39265
Ion	Ratio	Lower	Upper
84	100		
49	149.2	86.0	129.0#
51	44.3	30.0	45.0
86	52.9	53.0	79.4#





#19

trans-1,2-Dichloroethene

Concen: 19.113 ug/l m

RT: 5.783 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

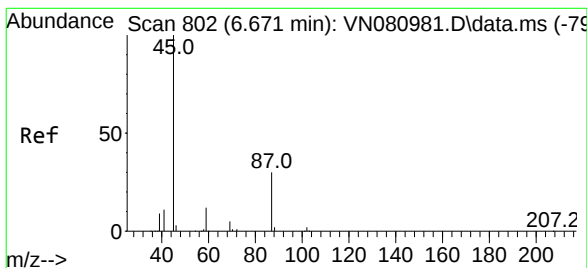
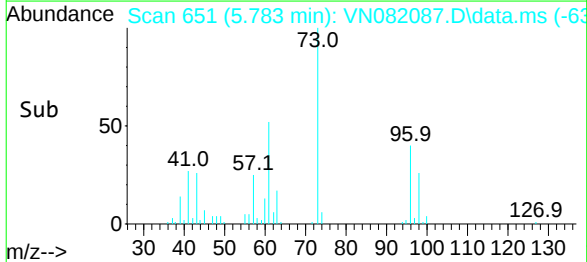
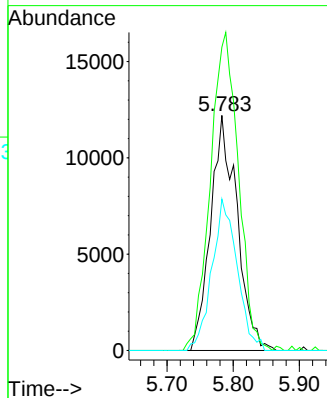
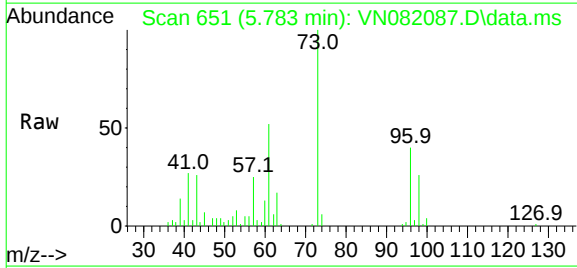
Tgt Ion:	96	Resp:	33858
Ion	Ratio	Lower	Upper
96	100		
61	129.1	111.8	167.6
98	64.4	49.2	73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#20

Diisopropyl ether

Concen: 21.946 ug/l

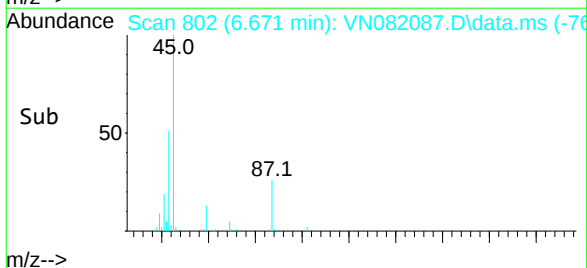
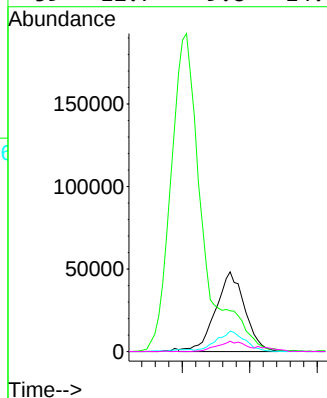
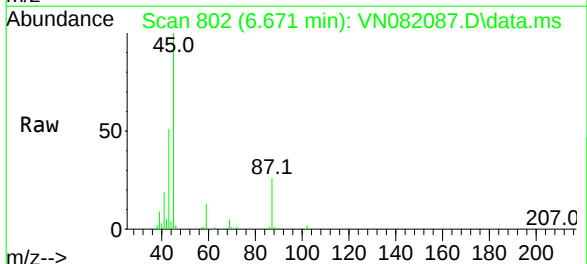
RT: 6.671 min Scan# 802

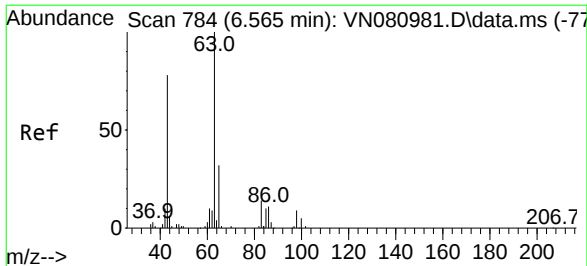
Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

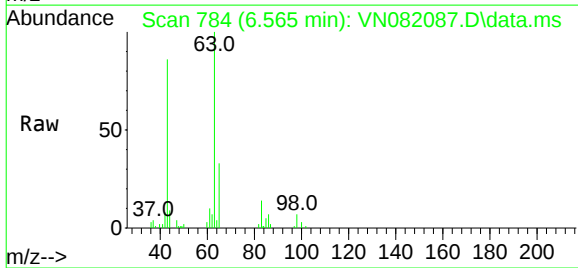
Tgt Ion:	45	Resp:	144904
Ion	Ratio	Lower	Upper
45	100		
43	49.3	40.4	60.6
87	25.6	23.8	35.8
59	12.7	9.8	14.6





#21
1,1-Dichloroethane
Concen: 21.476 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

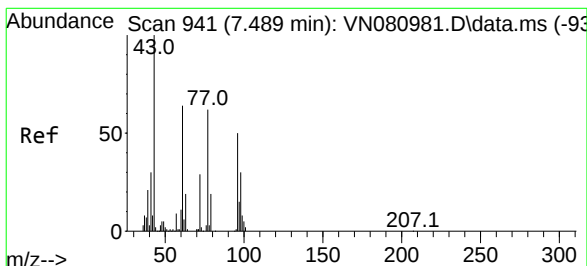
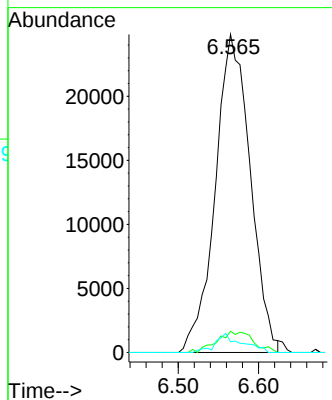
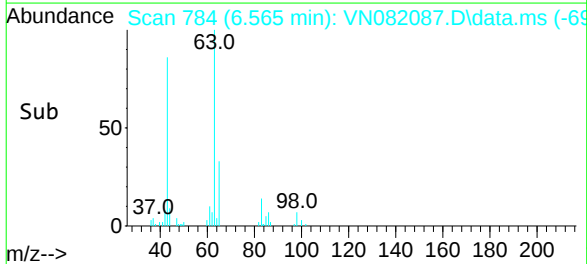
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 75086
Ion Ratio Lower Upper
63 100
98 6.7 4.1 12.3
100 3.4 3.0 9.0

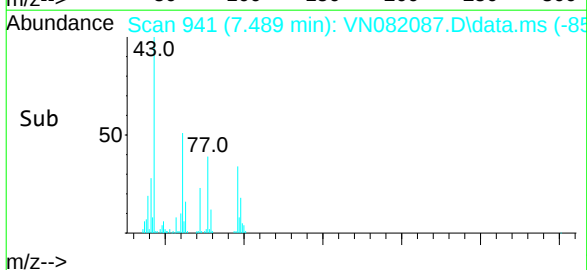
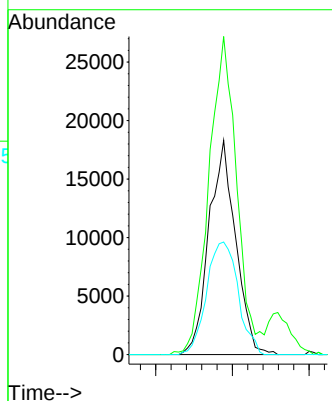
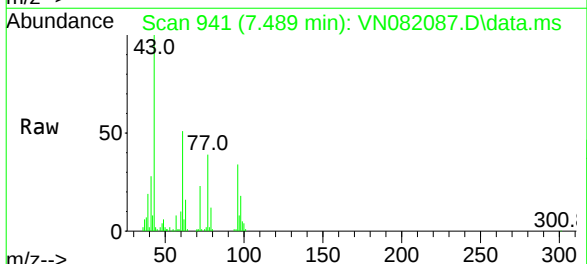
Manual Integrations
APPROVED

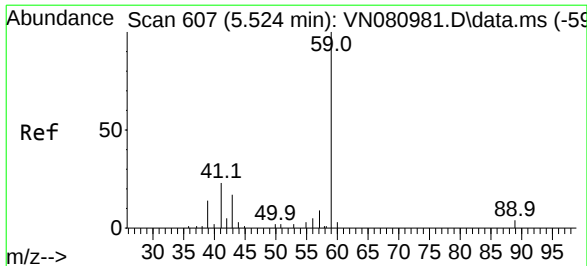
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#22
cis-1,2-Dichloroethene
Concen: 20.489 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion: 96 Resp: 44329
Ion Ratio Lower Upper
96 100
61 151.9 113.5 170.3
98 61.9 52.0 78.0





#23

tert-Butyl Alcohol

Concen: 103.026 ug/l m

RT: 5.524 min Scan# 607

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 41232

Ion Ratio Lower Upper

59 100

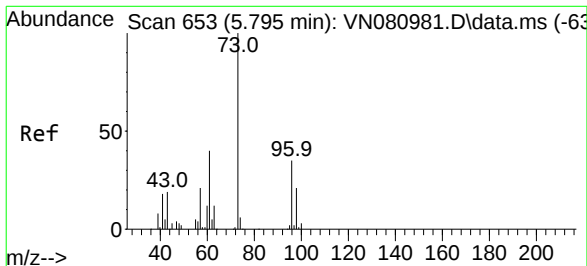
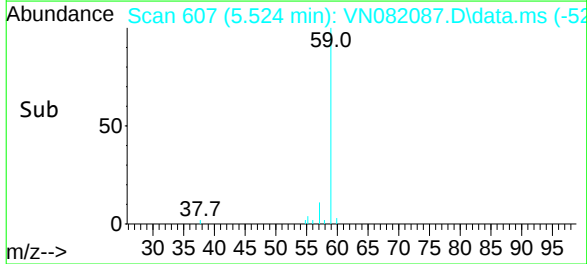
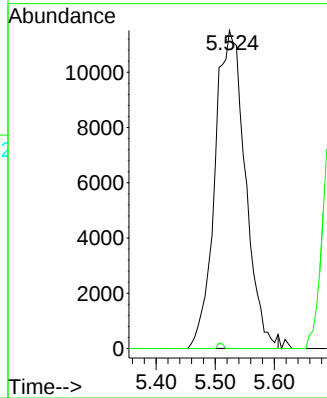
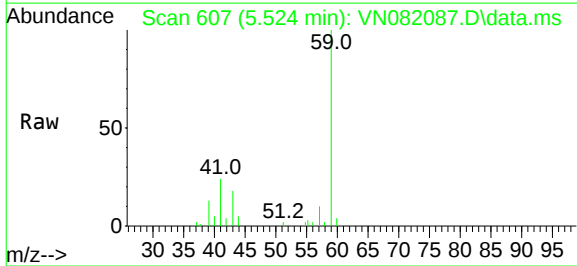
52 0.3 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#24

Methyl tert-Butyl Ether

Concen: 20.624 ug/l m

RT: 5.789 min Scan# 652

Delta R.T. -0.006 min

Lab File: VN082087.D

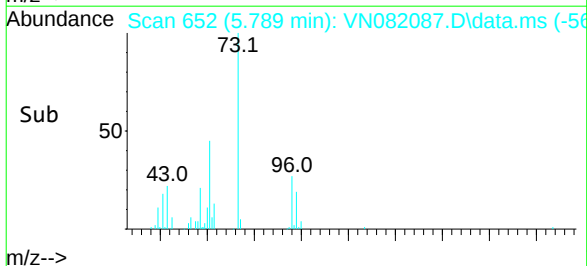
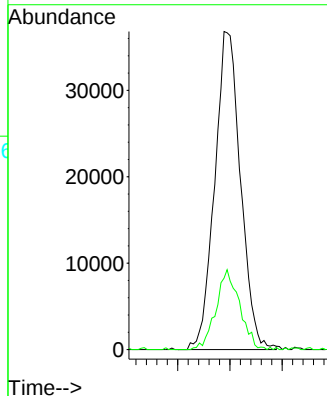
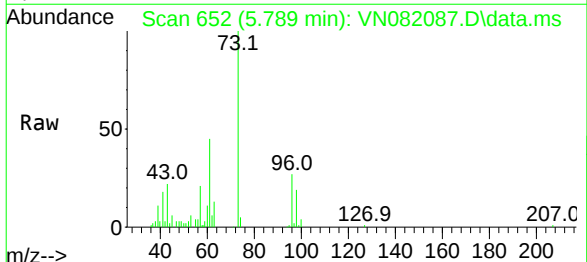
Acq: 13 May 2024 10:23

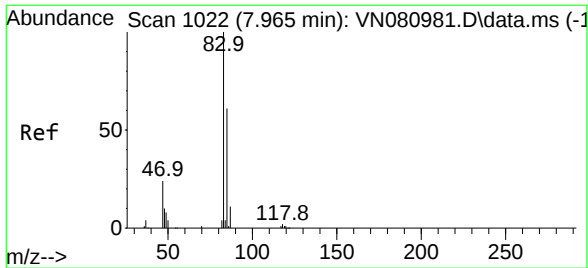
Tgt Ion: 73 Resp: 126399

Ion Ratio Lower Upper

73 100

43 0.1 13.4 20.2#





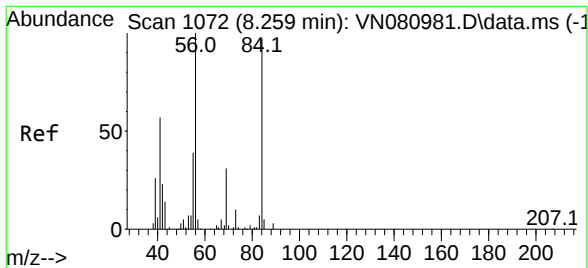
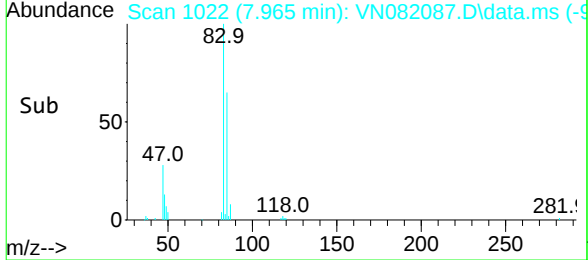
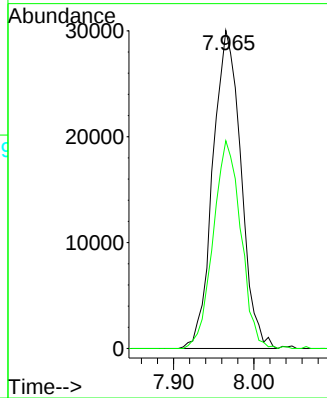
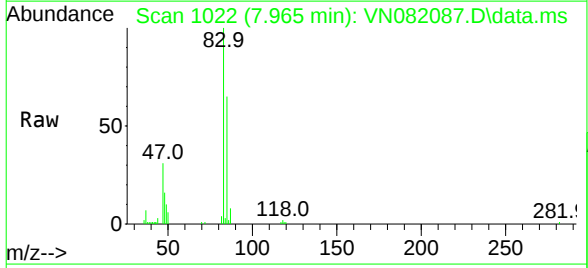
#25
 Chloroform
 Concen: 21.708 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020

Tgt Ion:	83	Resp:	73016
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3

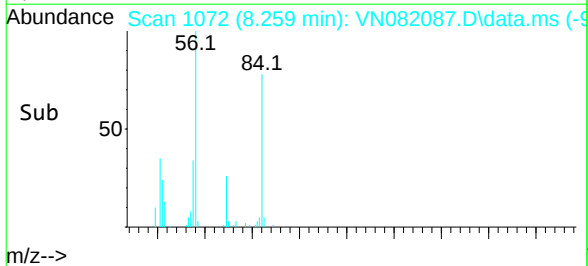
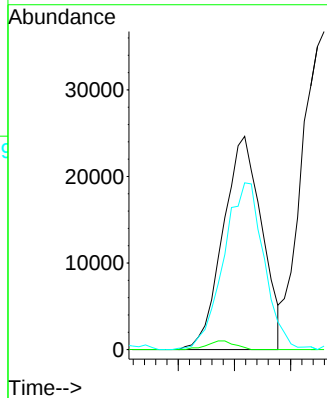
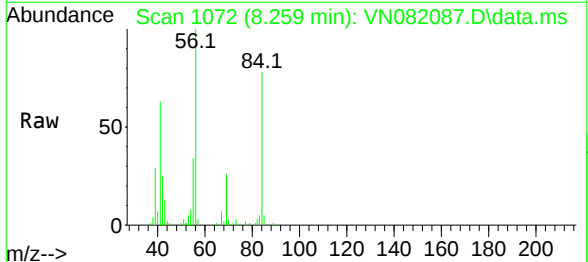
Manual Integrations
APPROVED

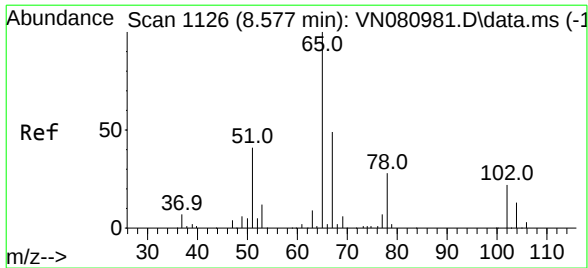
Reviewed By :John Carlone 05/14/2024
 Supervised By :Mahesh Dadoda 05/14/2024



#26
 Cyclohexane
 Concen: 19.637 ug/l
 RT: 8.259 min Scan# 1072
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Tgt Ion:	56	Resp:	59014
Ion	Ratio	Lower	Upper
56	100		
89	2.9	19.3	28.9
84	81.0	71.3	106.9





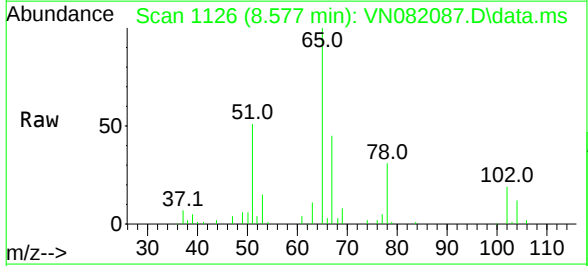
#27
 1,2-Dichloroethane-d4
 Concen: 32.545 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

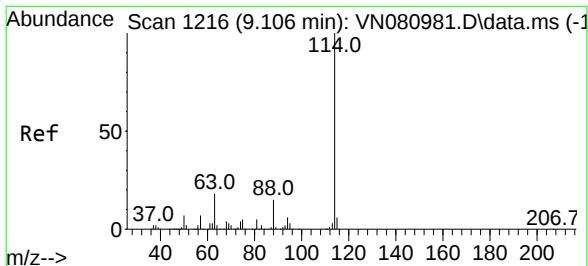
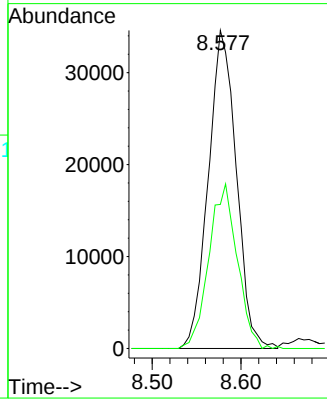
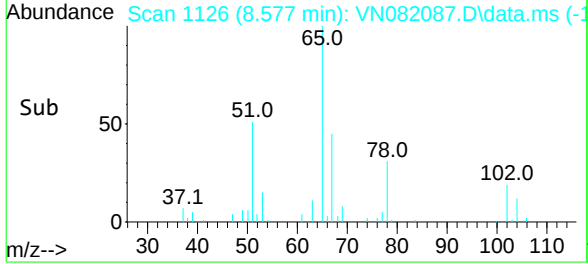


Tgt Ion: 65 Resp: 75889
 Ion Ratio Lower Upper
 65 100
 67 52.1 43.2 64.8

Manual Integrations

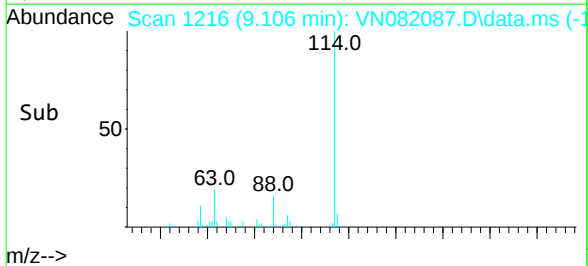
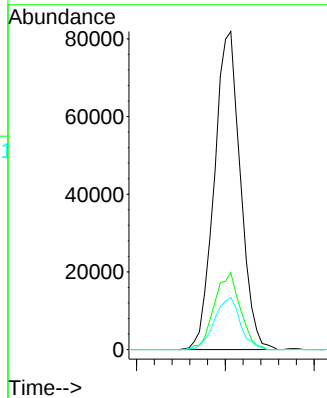
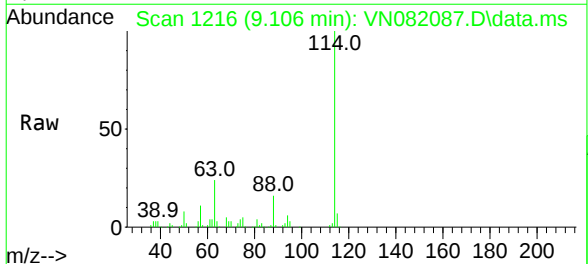
APPROVED

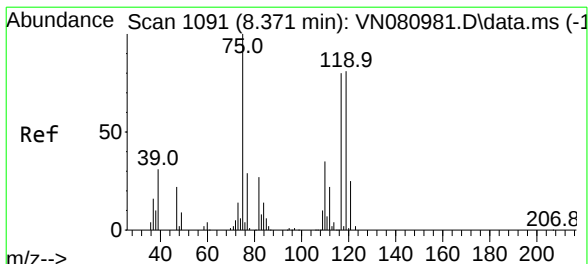
Reviewed By :John Carlone 05/14/2024
 Supervised By :Mahesh Dadoda 05/14/2024



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

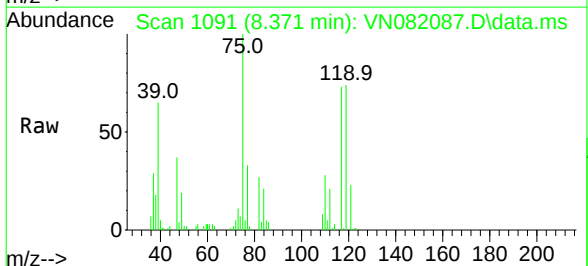
Tgt Ion:114 Resp: 167176
 Ion Ratio Lower Upper
 114 100
 63 24.1 15.9 23.9#
 88 16.3 12.7 19.1





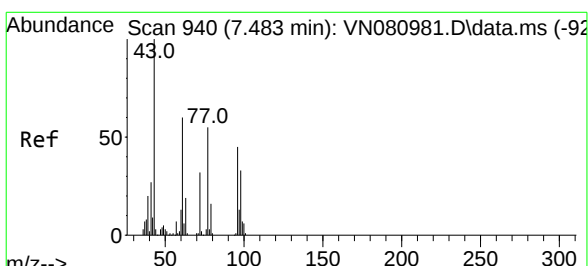
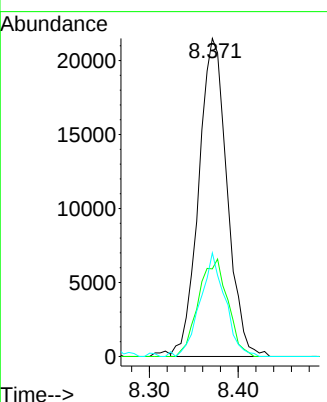
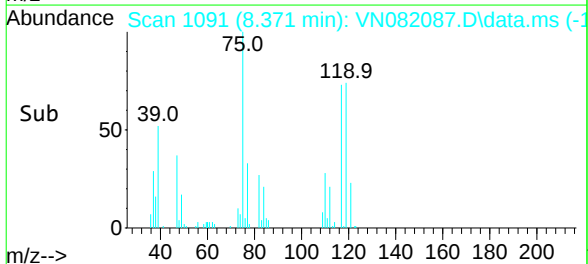
#29
 1,1-Dichloropropene
 Concen: 19.151 ug/l
 RT: 8.371 min Scan# 1091
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC020

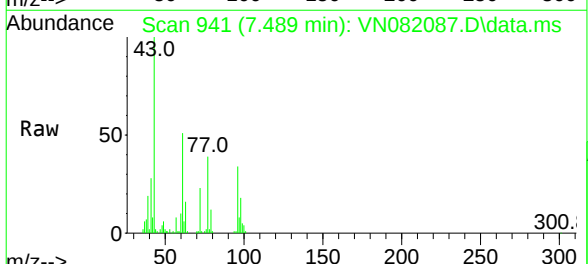


Tgt Ion:	75	Resp:	47663
Ion	Ratio	Lower	Upper
75	100		
110	31.6	0.0	70.2
77	28.6	0.0	61.4

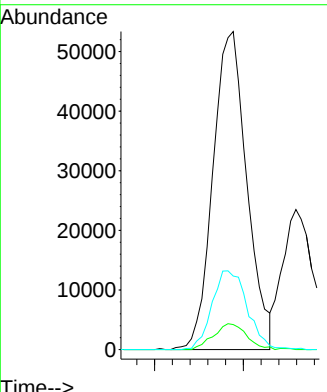
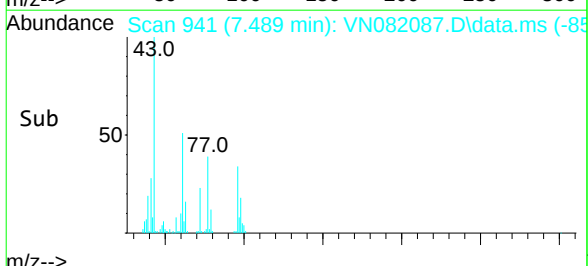
Manual Integrations
APPROVED
 Reviewed By :John Carlone 05/14/2024
 Supervised By :Mahesh Dadoda 05/14/2024

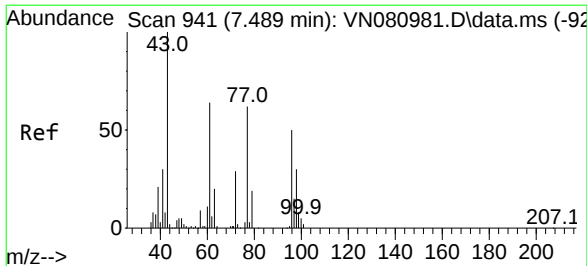


#30
 2-Butanone
 Concen: 110.445 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23



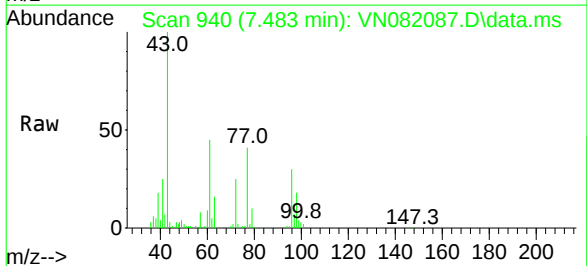
Tgt Ion:	43	Resp:	141693
Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.7	10.1
72	25.6	24.0	36.0





#31
2,2-Dichloropropane
Concen: 24.182 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

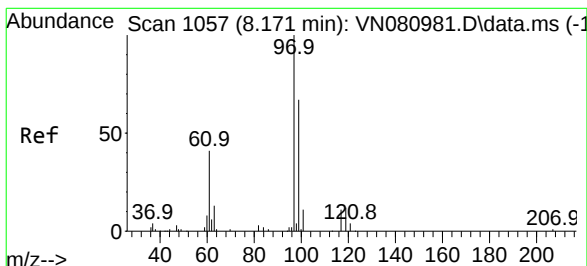
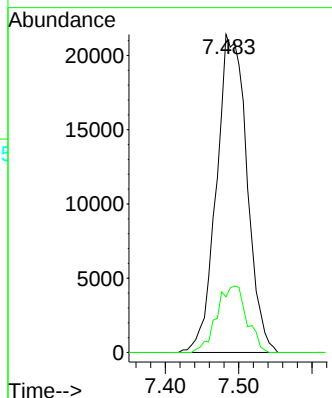
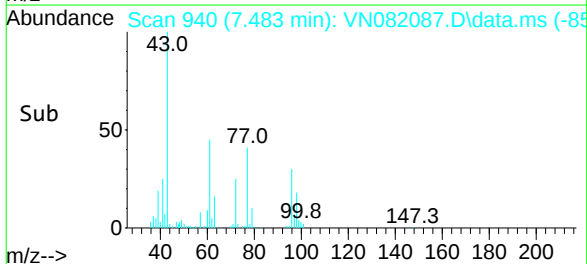
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 77 Resp: 61678
Ion Ratio Lower Upper
77 100
97 8.2 18.3 27.5#

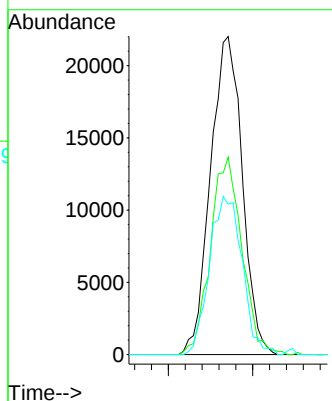
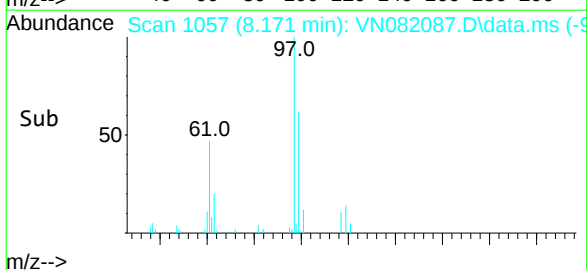
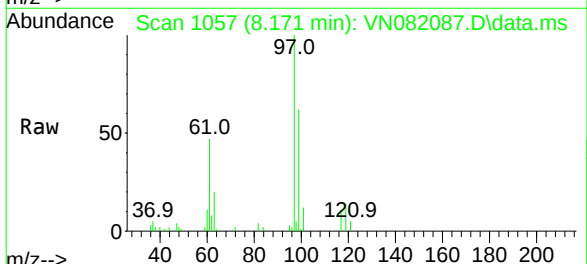
Manual Integrations
APPROVED

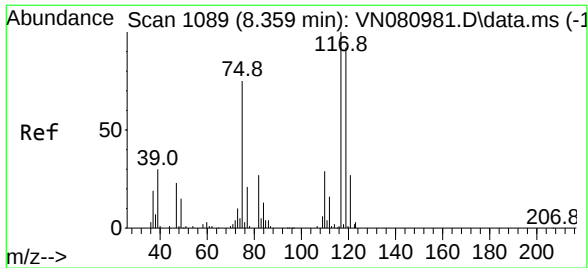
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#32
1,1,1-Trichloroethane
Concen: 20.146 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

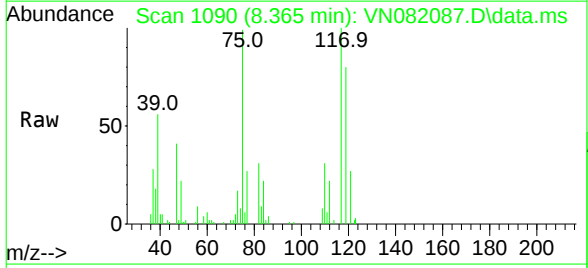
Tgt Ion: 97 Resp: 57666
Ion Ratio Lower Upper
97 100
99 61.4 51.0 76.4
61 50.9 33.8 50.8#





#33
Carbon Tetrachloride
Concen: 19.480 ug/l
RT: 8.365 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

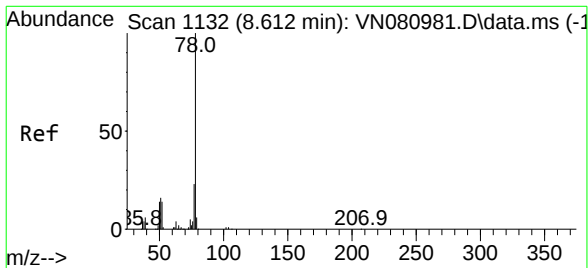
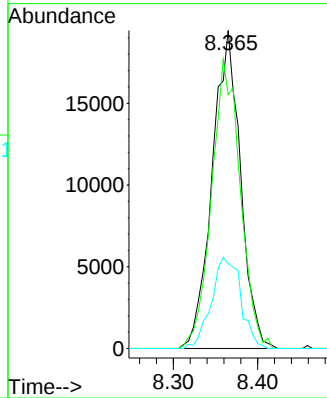
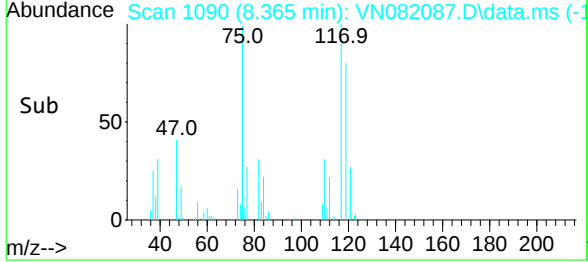
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 45252
Ion Ratio Lower Upper
117 100
119 79.8 77.7 116.5
121 26.7 27.0 40.6#

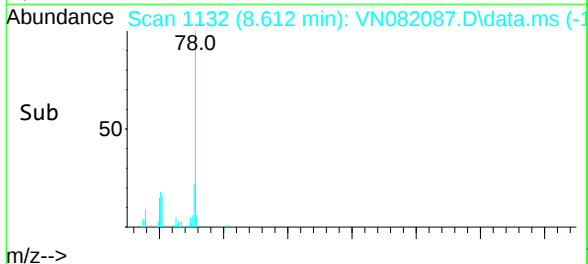
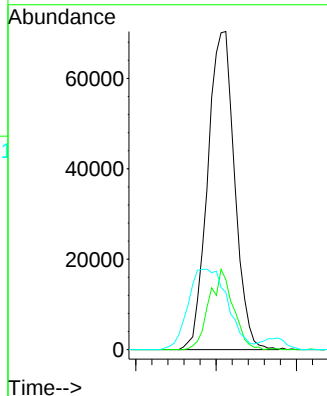
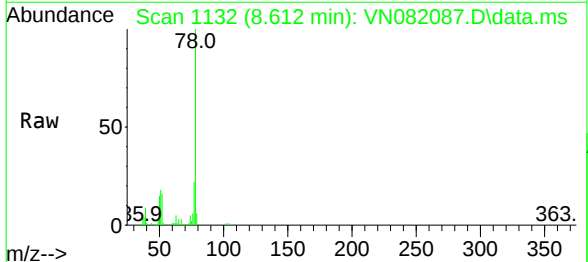
Manual Integrations
APPROVED

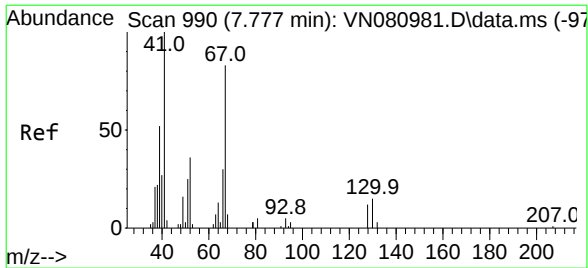
Reviewed By : John Carlone 05/14/2024
Supervised By : Mahesh Dadoda 05/14/2024



#34
Benzene
Concen: 20.649 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion: 78 Resp: 163950
Ion Ratio Lower Upper
78 100
77 22.0 19.2 28.8
51 14.4 13.3 19.9





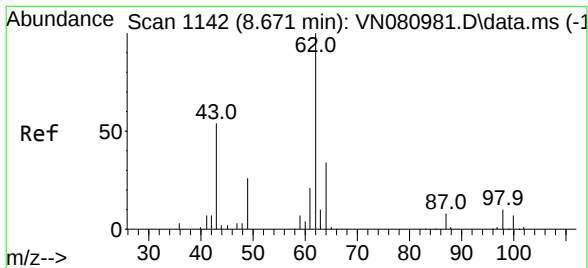
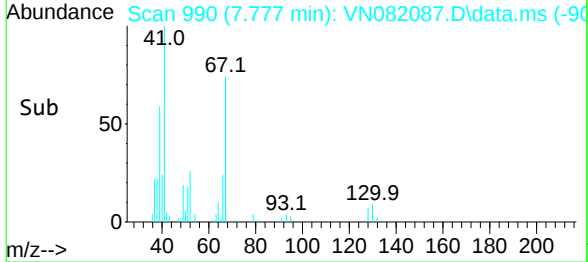
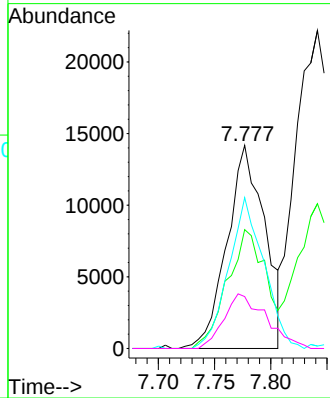
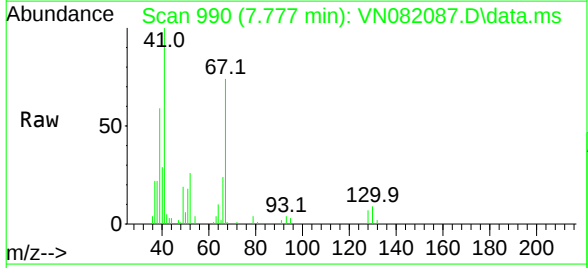
#35
Methacrylonitrile
Concen: 20.398 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	33108
Ion	Ratio	Lower	Upper
41	100		
39	58.5	25.3	75.9
67	74.3	38.7	116.1
52	25.5	13.6	40.8

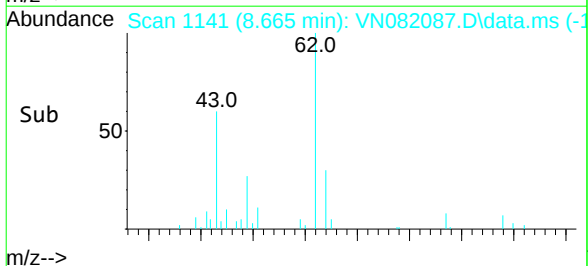
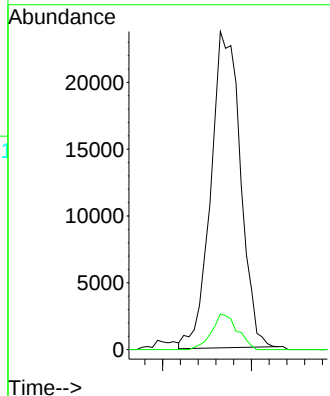
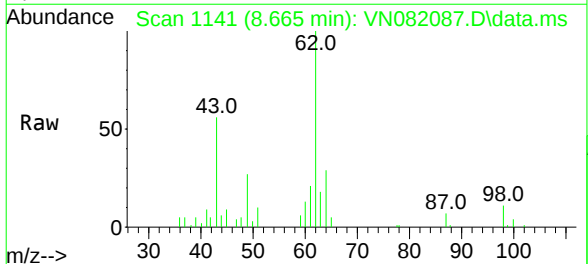
Manual Integrations
APPROVED

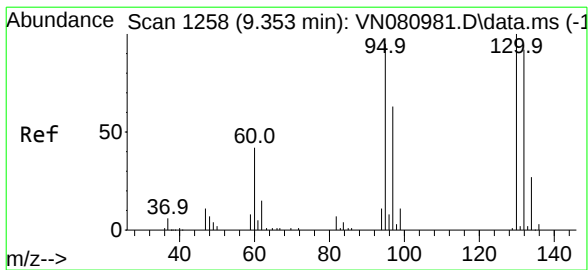
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#36
1,2-Dichloroethane
Concen: 20.579 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion:	62	Resp:	54850
Ion	Ratio	Lower	Upper
62	100		
98	9.8	8.2	12.4





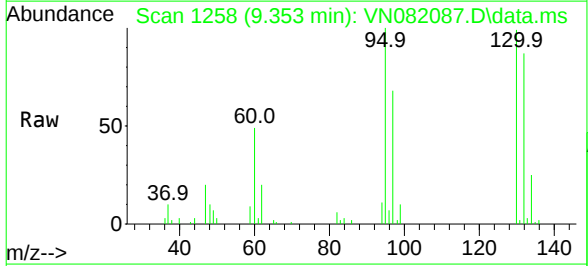
#37
 Trichloroethene
 Concen: 17.119 ug/l
 RT: 9.353 min Scan# 1258
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



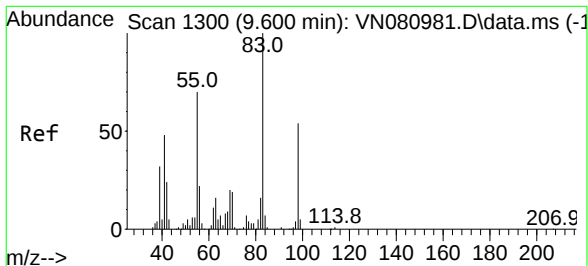
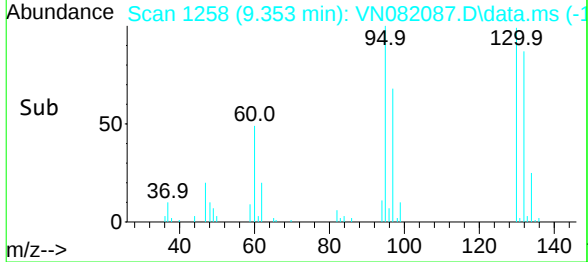
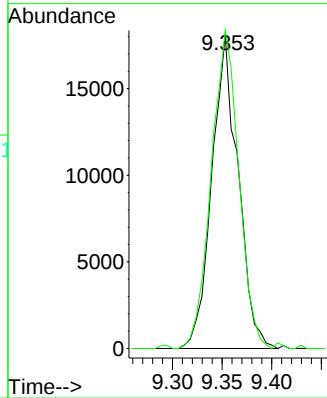
Tgt Ion:130 Resp: 33292
 Ion Ratio Lower Upper
 130 100
 95 101.4 80.2 120.4

Manual Integrations

APPROVED

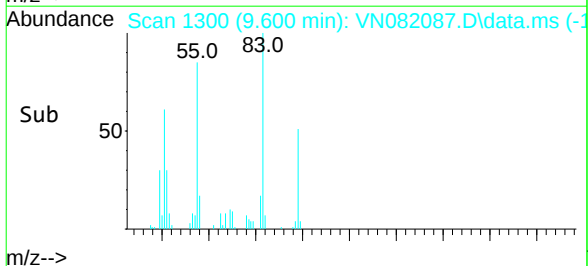
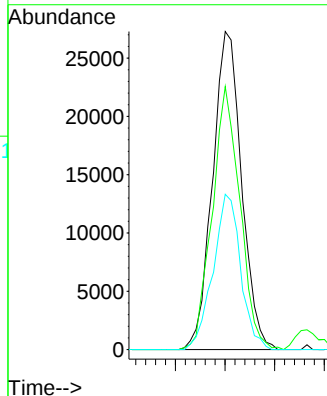
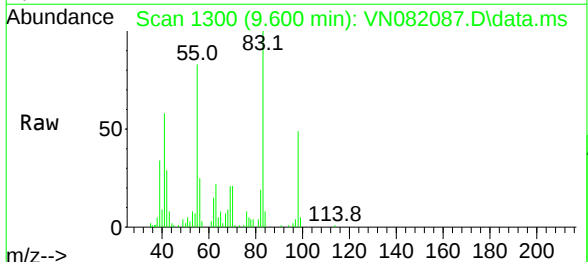
Reviewed By :John Carlone 05/14/2024

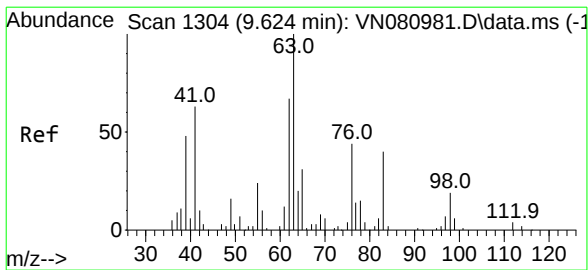
Supervised By :Mahesh Dadoda 05/14/2024



#38
 Methylcyclohexane
 Concen: 18.448 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. 0.000 min
 Lab File: VN082087.D
 Acq: 13 May 2024 10:23

Tgt Ion: 83 Resp: 55465
 Ion Ratio Lower Upper
 83 100
 55 78.9 36.6 109.9
 98 46.4 23.8 71.5





#39

1,2-Dichloropropane

Concen: 21.130 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 43048

Ion Ratio Lower Upper

63 100

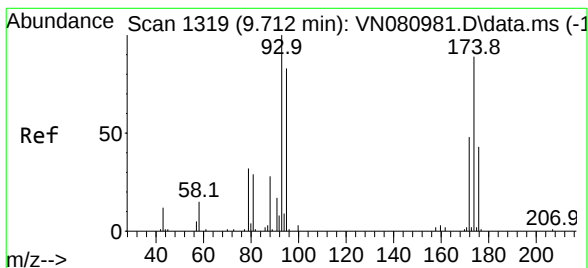
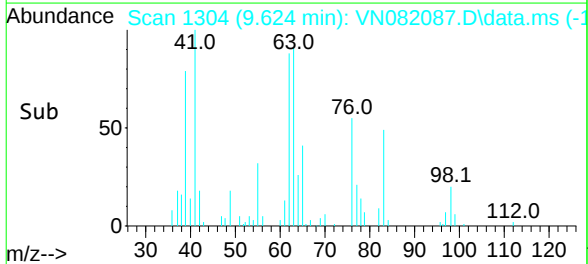
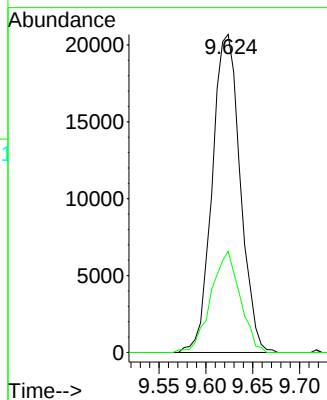
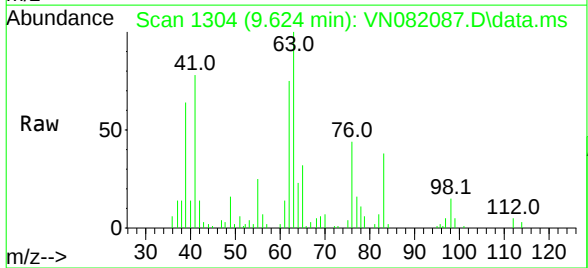
65 31.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#40

Dibromomethane

Concen: 20.528 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

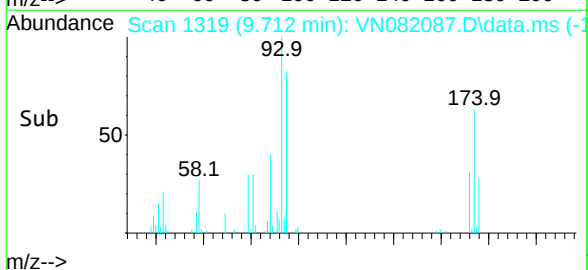
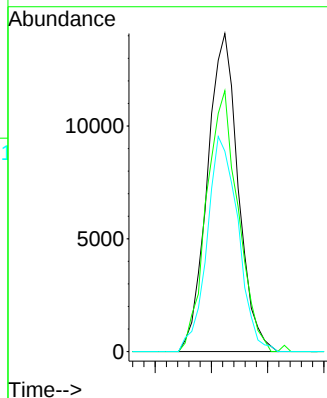
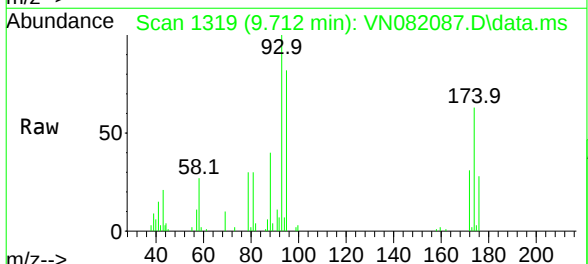
Tgt Ion: 93 Resp: 26868

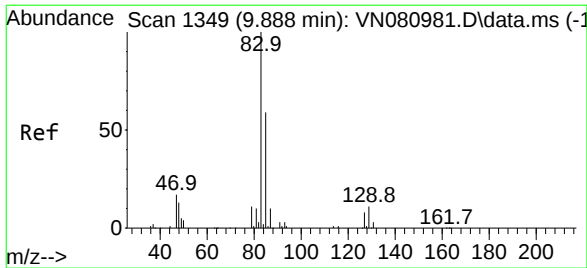
Ion Ratio Lower Upper

93 100

95 84.0 0.0 164.6

174 68.1 0.0 193.2





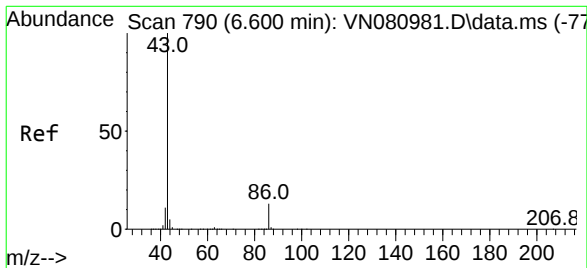
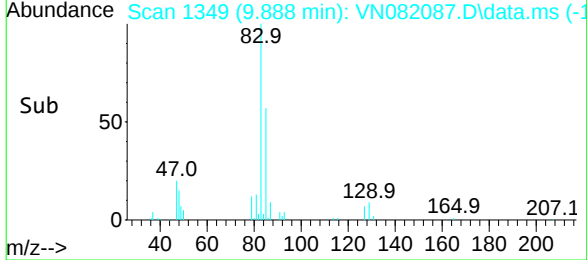
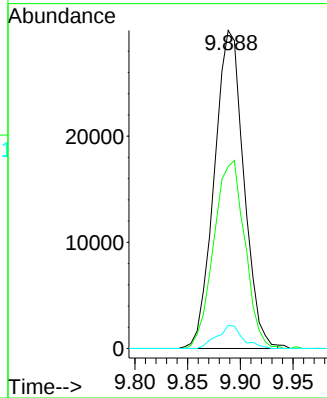
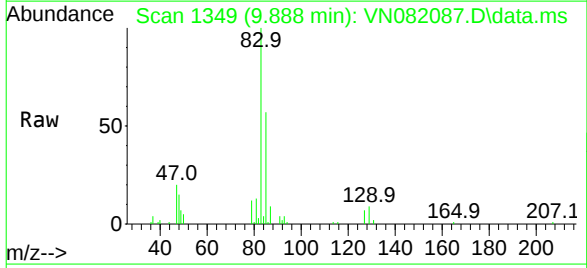
#41
Bromodichloromethane
Concen: 20.885 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.2	49.4	74.2
127	7.3	7.3	10.9

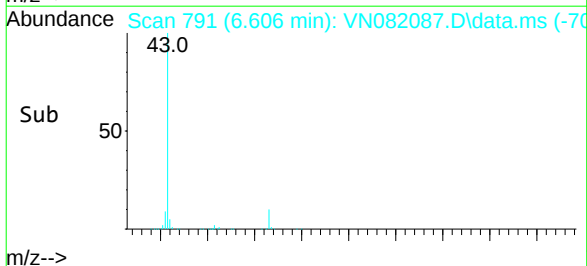
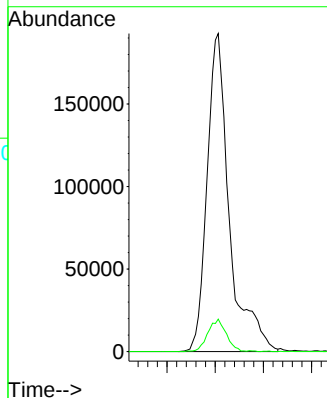
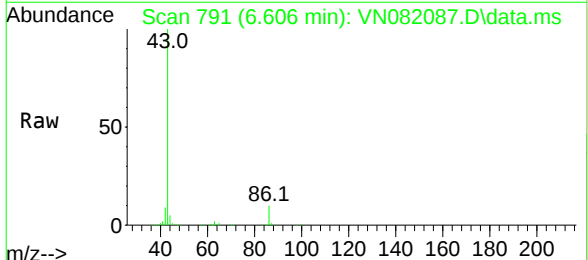
Manual Integrations
APPROVED

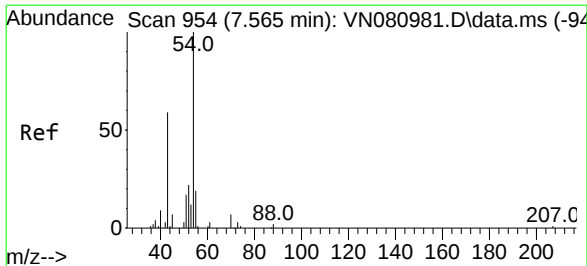
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#42
Vinyl Acetate
Concen: 113.284 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

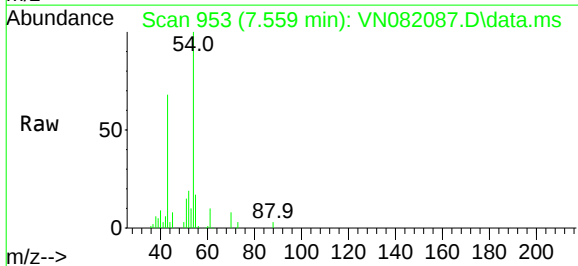
Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	9.4	14.2





#43
Ethyl Acetate
Concen: 20.921 ug/l
RT: 7.559 min Scan# 954
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

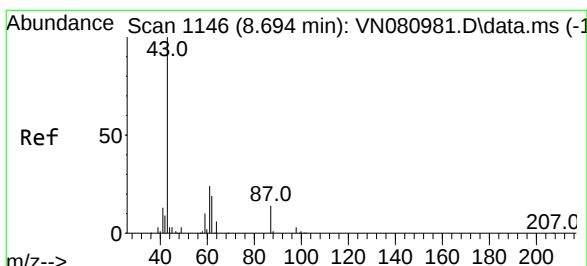
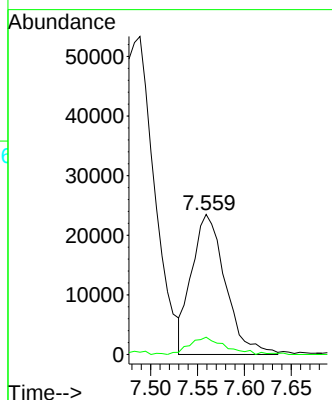
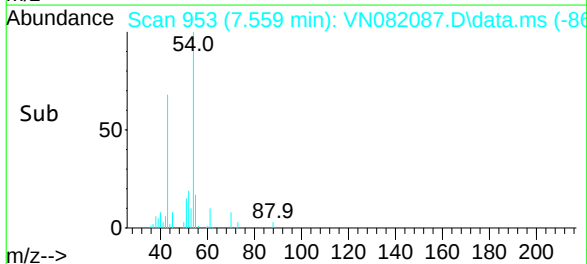
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 58721
Ion Ratio Lower Upper
43 100
45 12.2 10.6 15.8

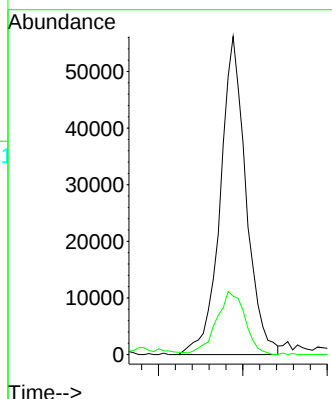
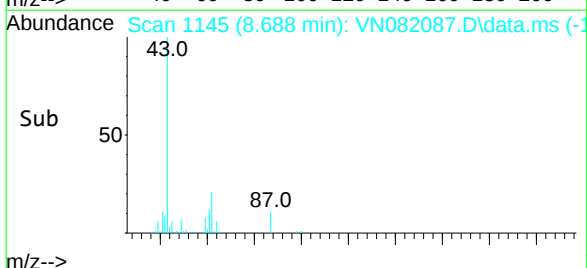
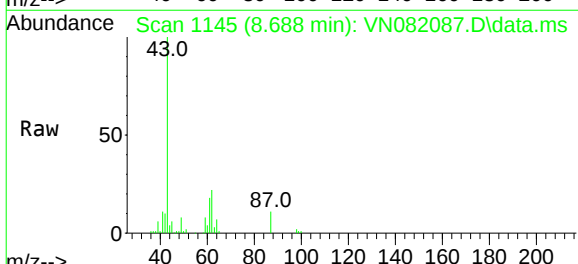
Manual Integrations
APPROVED

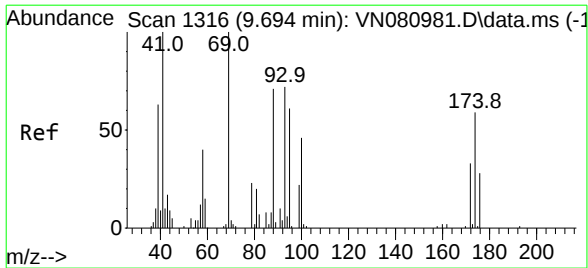
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#44
Isopropyl Acetate
Concen: 24.042 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

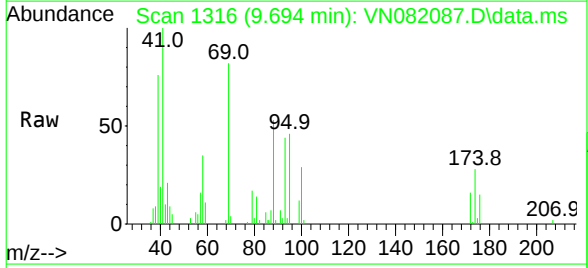
Tgt Ion: 43 Resp: 119377
Ion Ratio Lower Upper
43 100
61 22.0 25.0 37.4#





#45
1,4-Dioxane
Concen: 409.739 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

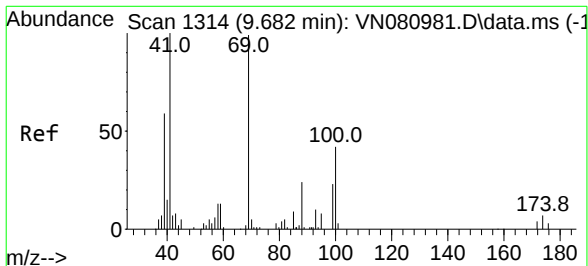
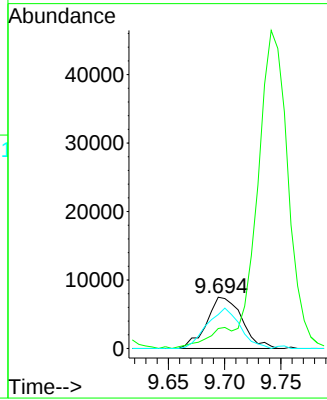
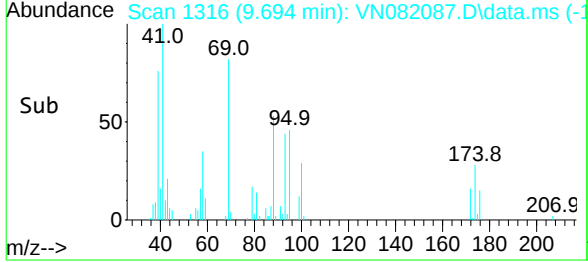
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



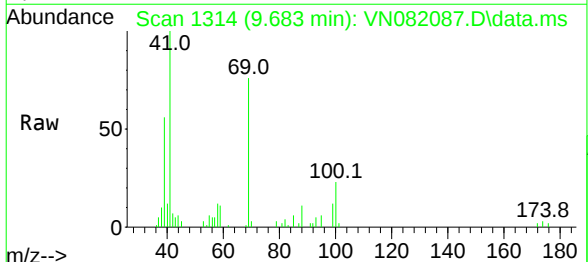
Tgt Ion: 88 Resp: 16318
Ion Ratio Lower Upper
88 100
43 30.7 19.8 29.6#
58 73.9 55.4 83.0

Manual Integrations
APPROVED

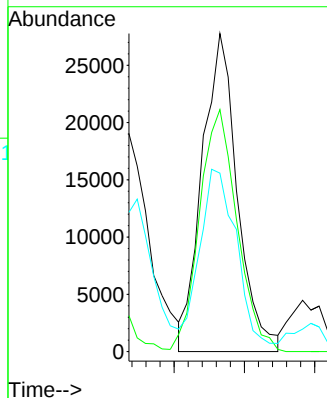
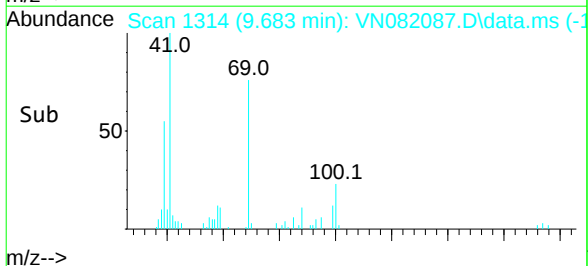
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024

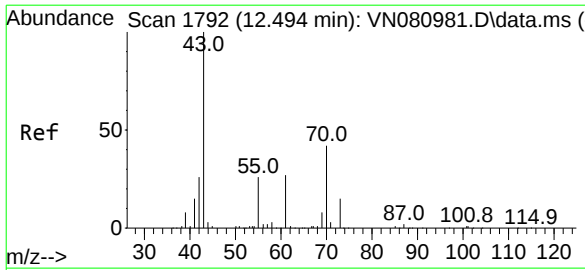


#46
Methyl methacrylate
Concen: 21.349 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23



Tgt Ion: 41 Resp: 48436
Ion Ratio Lower Upper
41 100
69 79.4 51.1 153.3
39 56.4 25.8 77.3





#47

n-amy1 Acetate

Concen: 19.454 ug/l m

RT: 12.494 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 87108

Ion Ratio Lower Upper

43 100

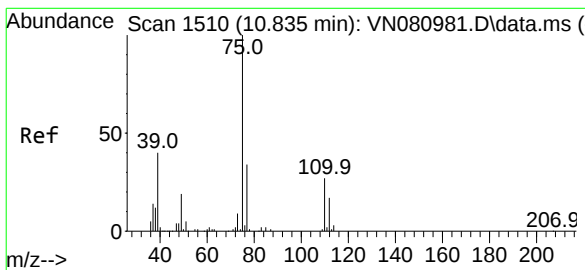
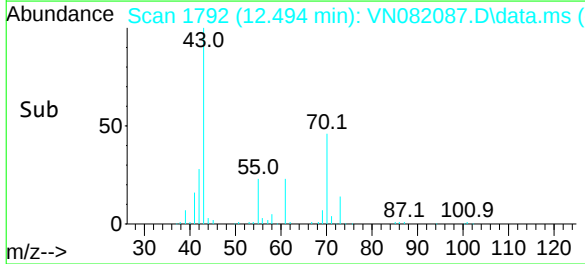
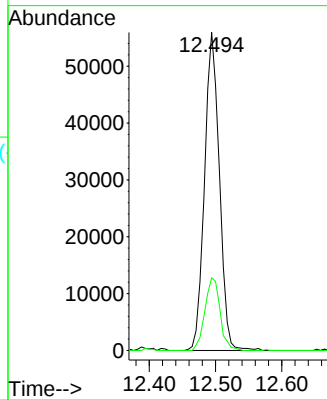
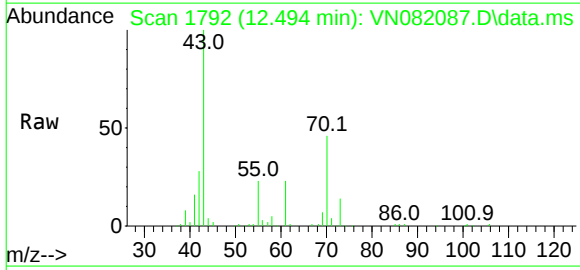
55 0.1 23.4 35.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#48

t-1,3-Dichloropropene

Concen: 19.708 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN082087.D

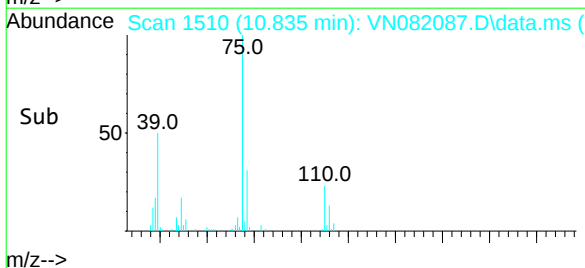
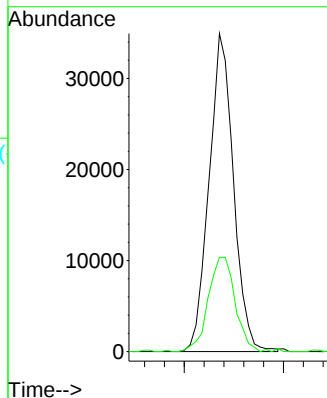
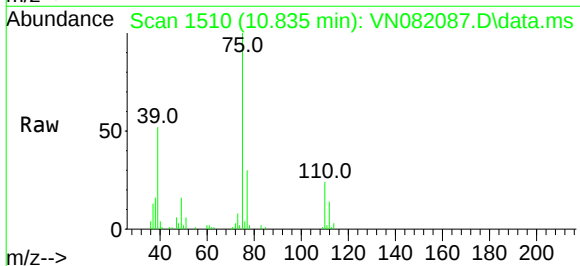
Acq: 13 May 2024 10:23

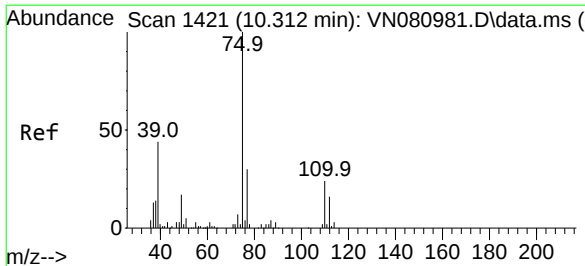
Tgt Ion: 75 Resp: 59786

Ion Ratio Lower Upper

75 100

77 29.6 23.8 35.6





#49

cis-1,3-Dichloropropene

Concen: 20.286 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

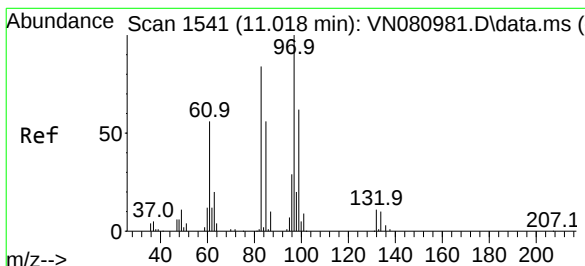
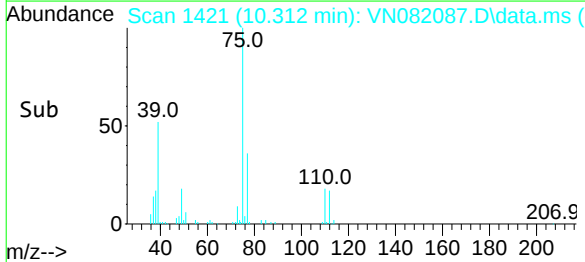
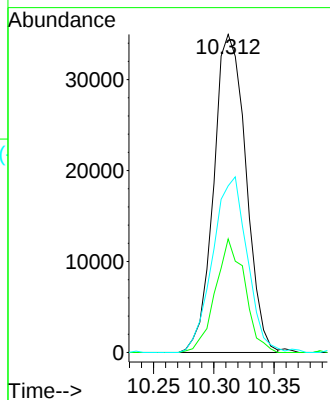
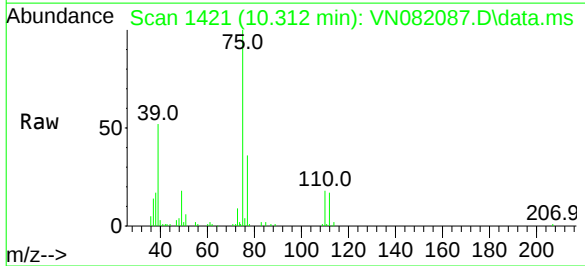
Tgt Ion:	75	Resp:	65065
Ion	Ratio	Lower	Upper
75	100		
77	35.7	24.9	37.3
39	52.4	31.0	46.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#50

1,1,2-Trichloroethane

Concen: 21.237 ug/l

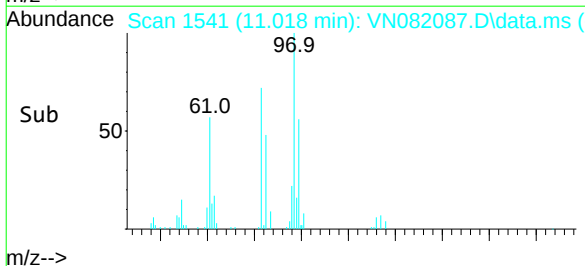
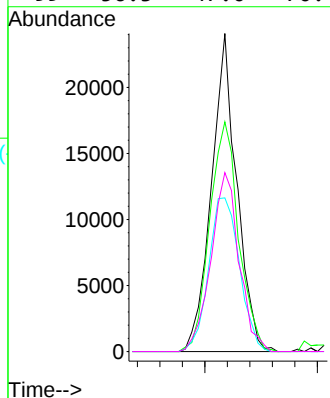
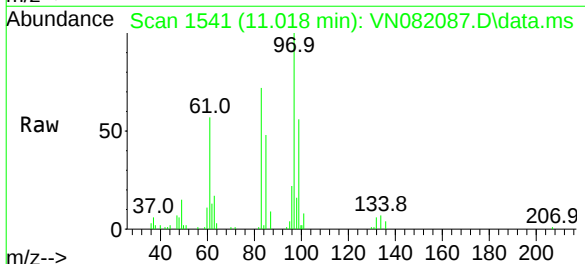
RT: 11.018 min Scan# 1541

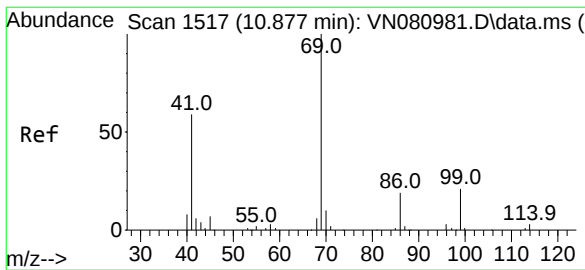
Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

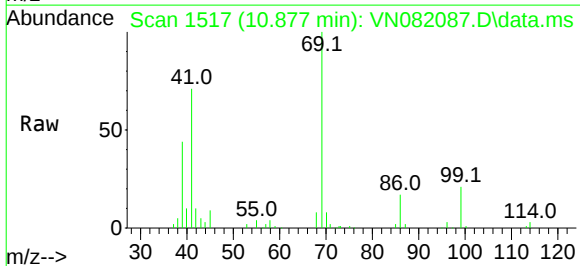
Tgt Ion:	97	Resp:	37709
Ion	Ratio	Lower	Upper
97	100		
83	72.2	68.1	102.1
85	48.3	41.8	62.6
99	56.3	47.0	70.4





#51
Ethyl methacrylate
Concen: 19.198 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

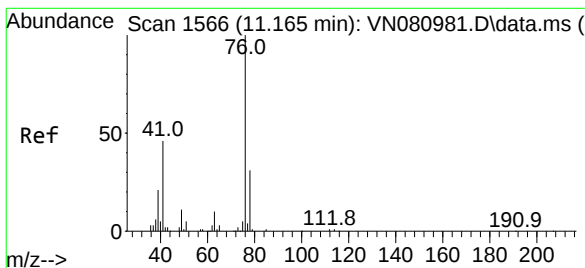
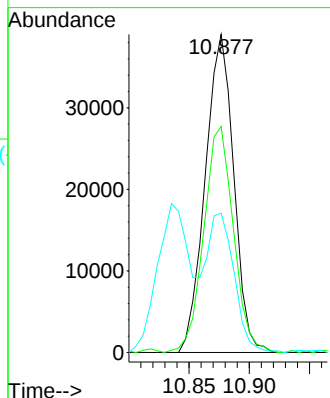
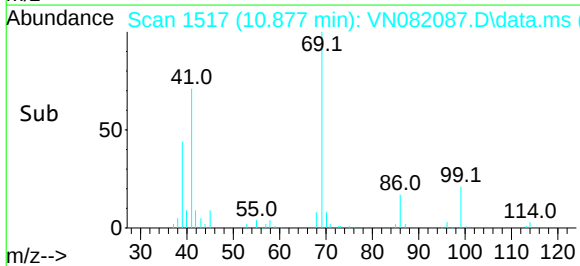
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 64338
Ion Ratio Lower Upper
69 100
41 71.1 25.5 76.5
39 43.3 16.0 47.9

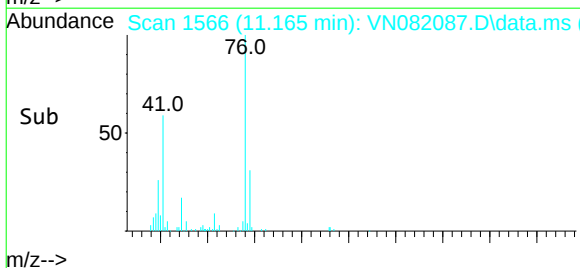
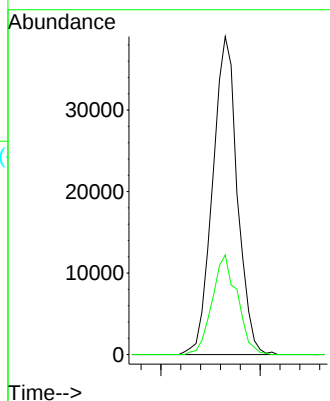
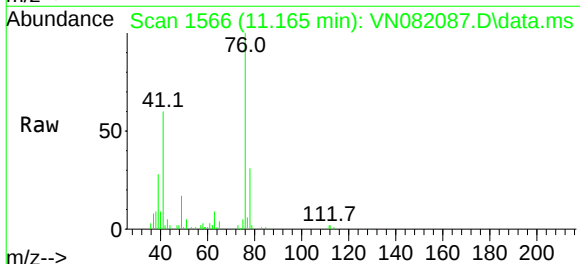
Manual Integrations
APPROVED

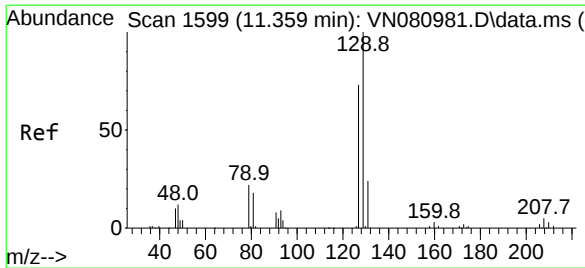
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#52
1,3-Dichloropropane
Concen: 20.706 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion: 76 Resp: 67548
Ion Ratio Lower Upper
76 100
78 31.9 0.0 65.8





#53

Dibromochloromethane

Concen: 18.404 ug/l

RT: 11.365 min Scan# 1618

Delta R.T. 0.006 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 35555

Ion Ratio Lower Upper

129 100

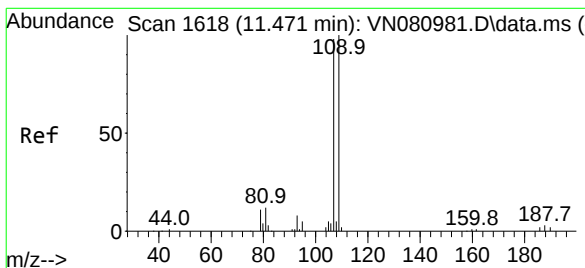
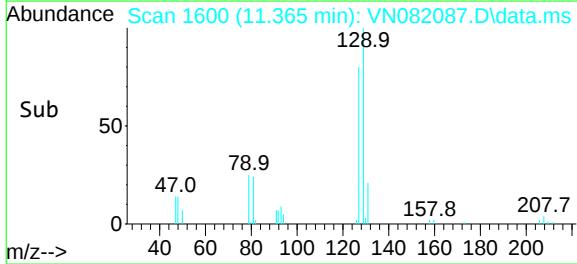
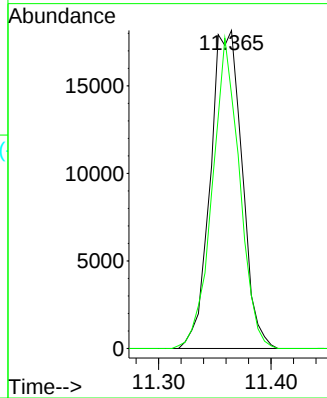
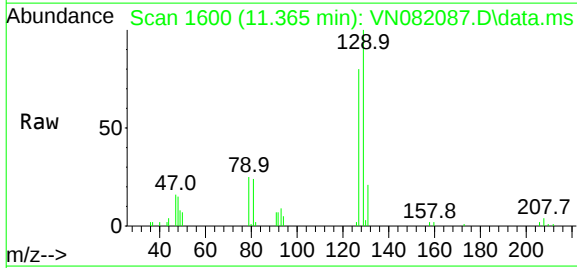
127 84.1 39.4 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#54

1,2-Dibromoethane

Concen: 19.872 ug/l

RT: 11.471 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VN082087.D

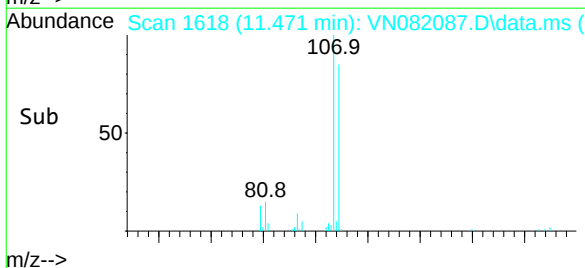
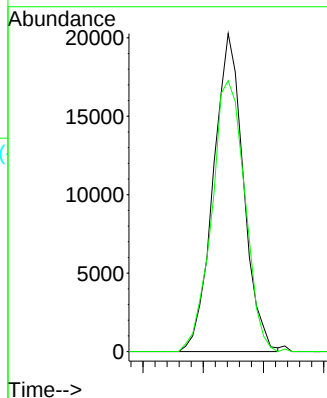
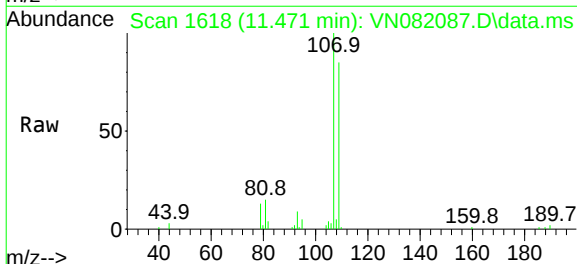
Acq: 13 May 2024 10:23

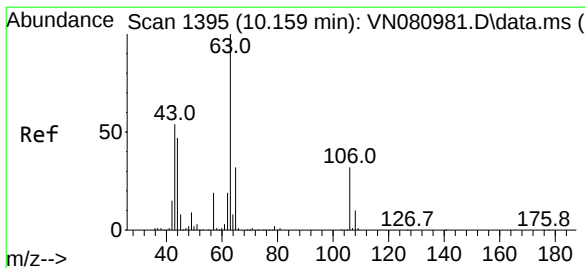
Tgt Ion:107 Resp: 35191

Ion Ratio Lower Upper

107 100

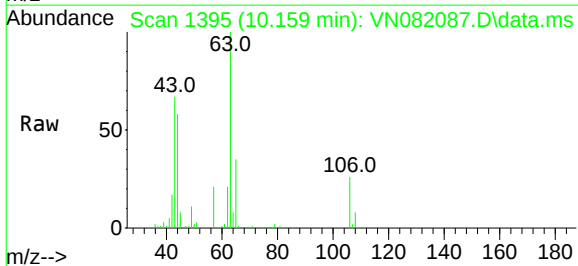
109 93.5 74.7 112.1





#55
2-Chloroethyl vinyl ether
Concen: 103.606 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

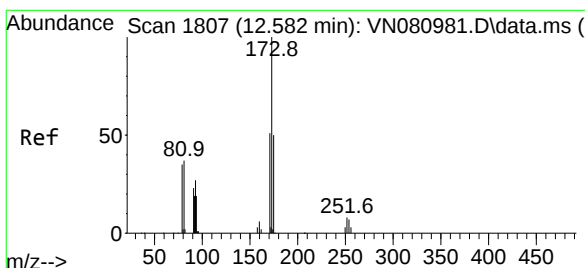
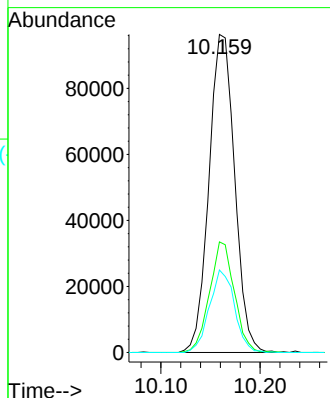
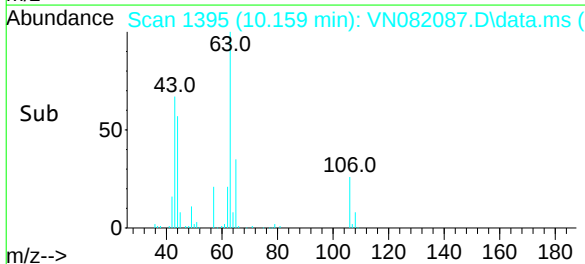
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 173626
Ion Ratio Lower Upper
63 100
65 33.5 26.2 39.2
106 25.2 23.8 35.8

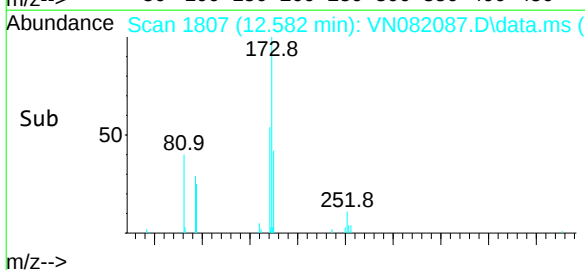
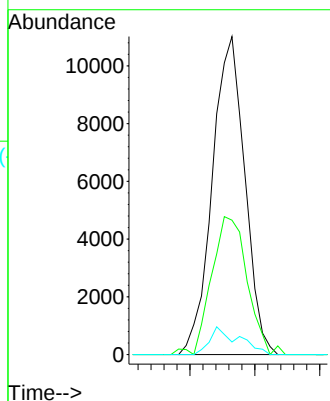
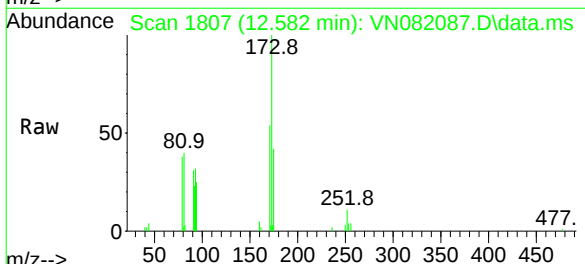
Manual Integrations
APPROVED

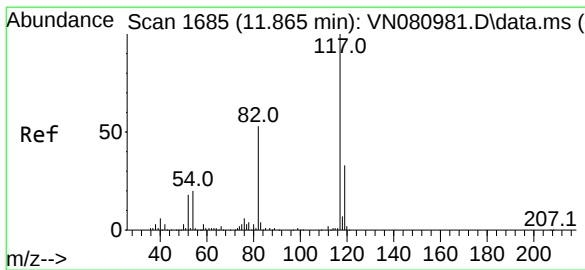
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#56
Bromoform
Concen: 16.331 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion:173 Resp: 19202
Ion Ratio Lower Upper
173 100
175 46.4 40.0 60.0
254 2.8 8.3 12.5#





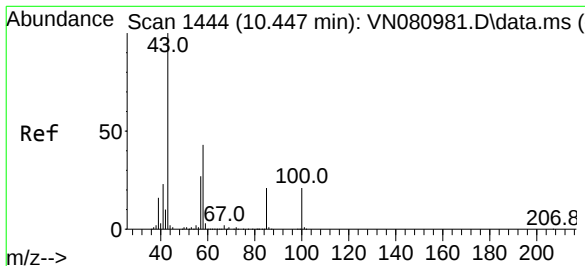
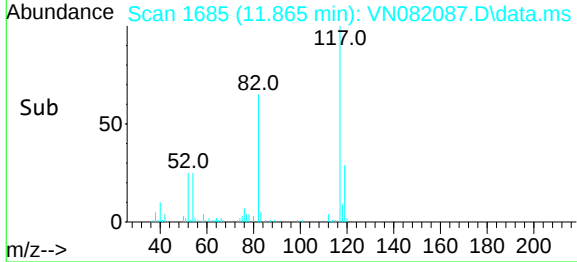
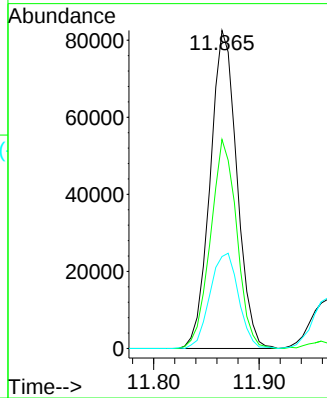
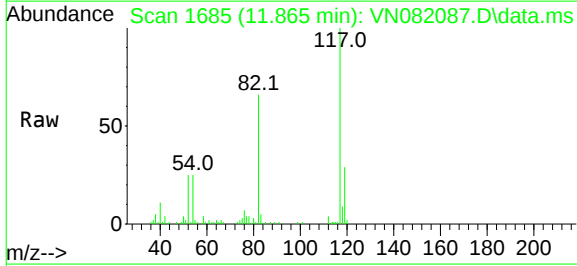
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 117 Resp: 145403
Ion Ratio Lower Upper
117 100
82 64.6 46.6 69.8
119 31.9 25.4 38.2

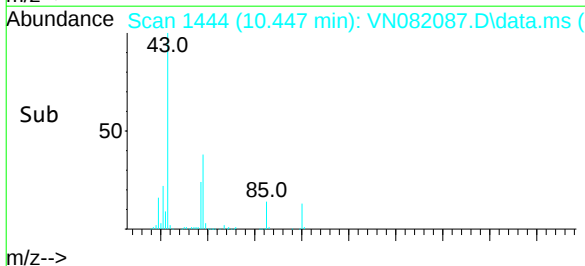
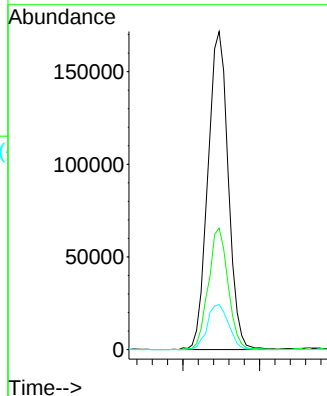
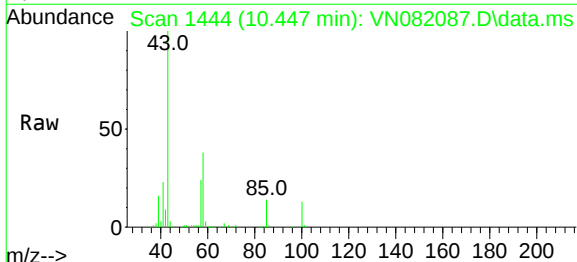
Manual Integrations
APPROVED

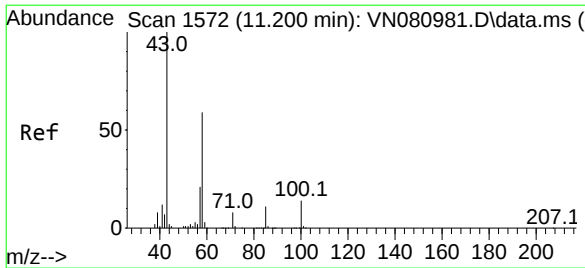
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#58
4-Methyl-2-Pentanone
Concen: 112.105 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

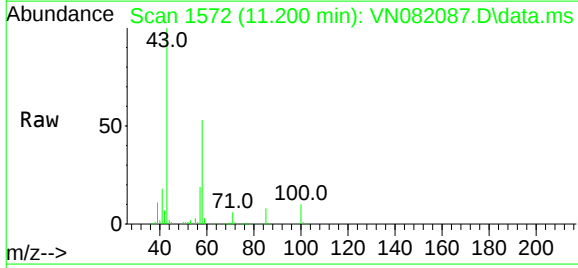
Tgt Ion: 43 Resp: 316490
Ion Ratio Lower Upper
43 100
58 36.8 36.5 54.7
85 14.8 19.5 29.3#





#59
2-Hexanone
Concen: 111.075 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

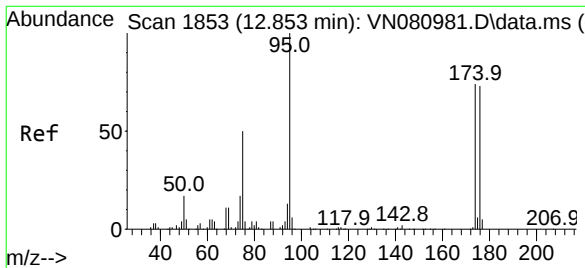
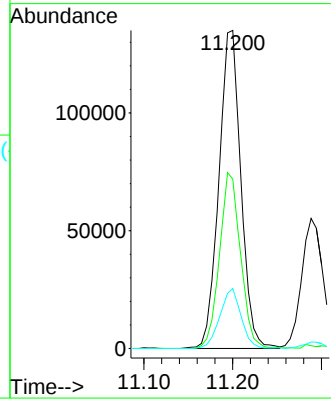
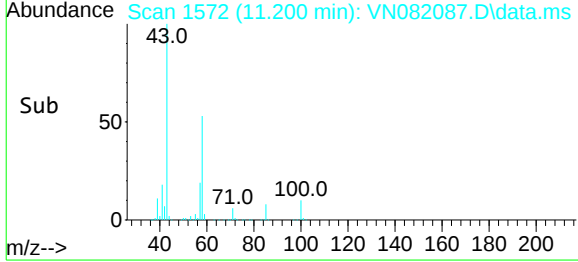
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



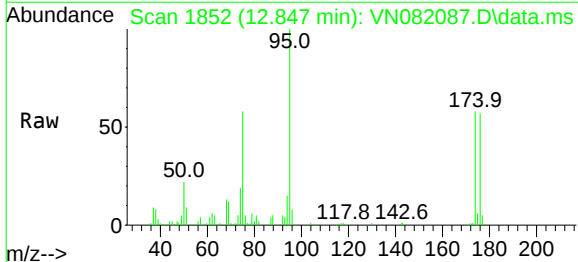
Tgt Ion: 43 Resp: 232514
Ion Ratio Lower Upper
43 100
58 52.7 50.4 75.6
57 18.2 18.6 27.8#

Manual Integrations
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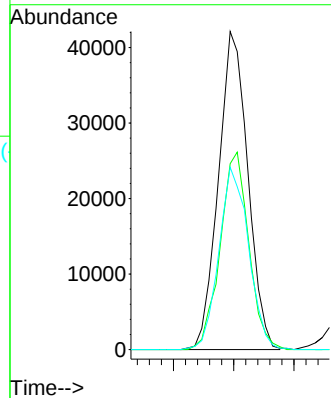
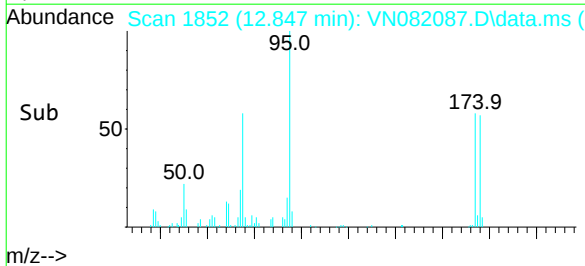
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024

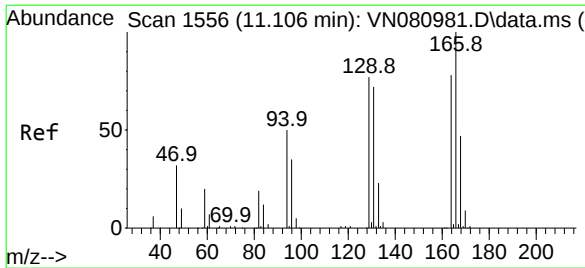


#60
4-Bromofluorobenzene
Concen: 29.529 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23



Tgt Ion: 95 Resp: 71455
Ion Ratio Lower Upper
95 100
174 60.4 60.5 90.7#
176 57.8 57.8 86.6





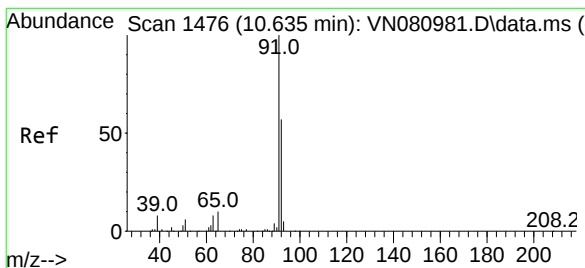
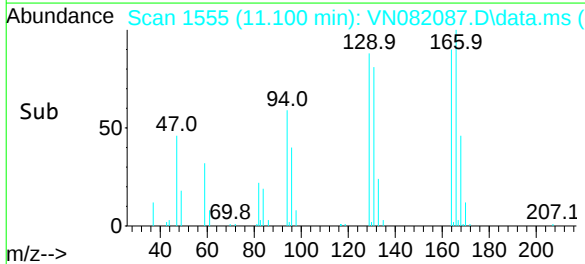
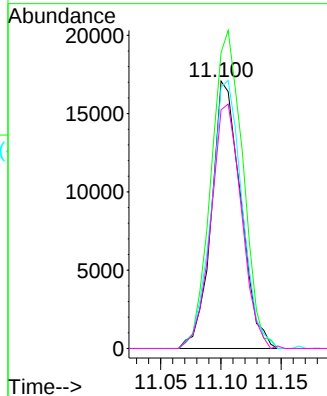
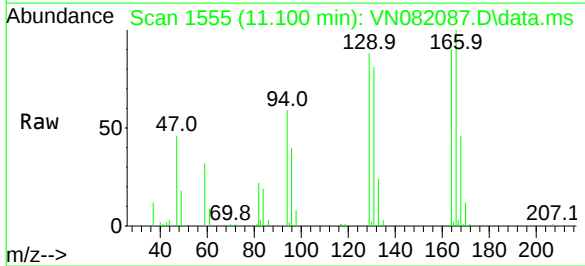
#61
Tetrachloroethene
Concen: 17.948 ug/l
RT: 11.100 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:164 Resp: 28958
Ion Ratio Lower Upper
164 100
166 110.7 106.7 160.1
129 97.8 85.8 128.6
131 89.3 79.1 118.7

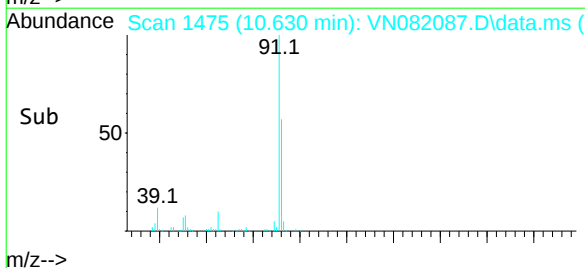
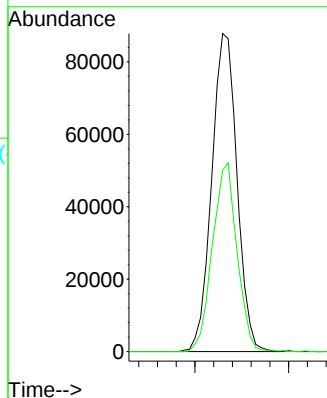
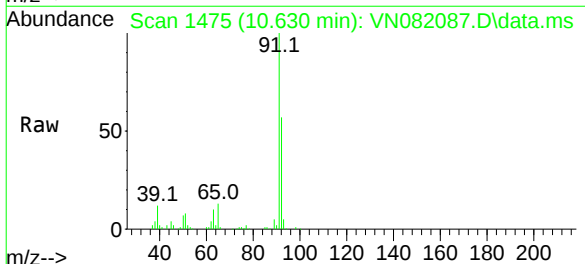
Manual Integrations
APPROVED

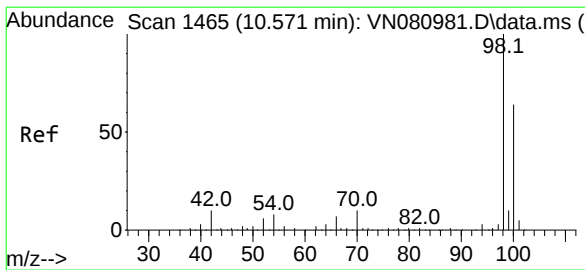
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#62
Toluene
Concen: 20.129 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion: 91 Resp: 164680
Ion Ratio Lower Upper
91 100
92 57.4 46.5 69.7





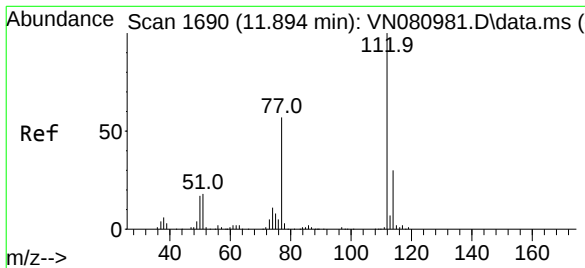
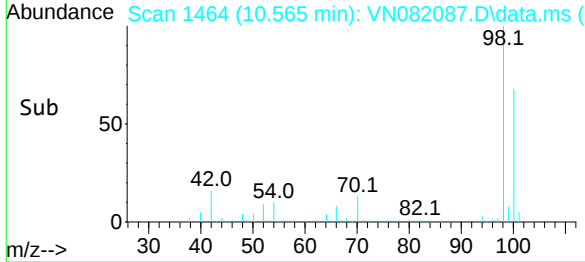
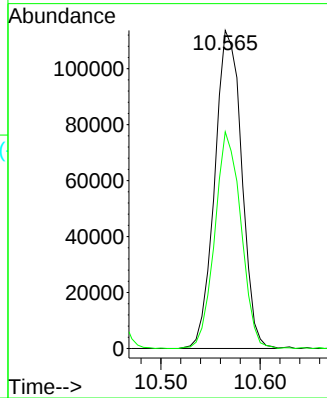
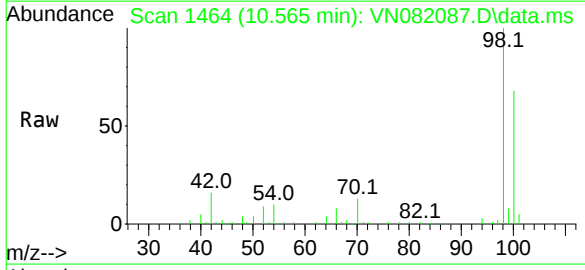
#63
Toluene-d8
Concen: 31.055 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 214439
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1

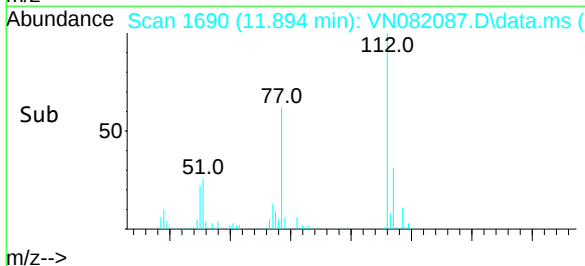
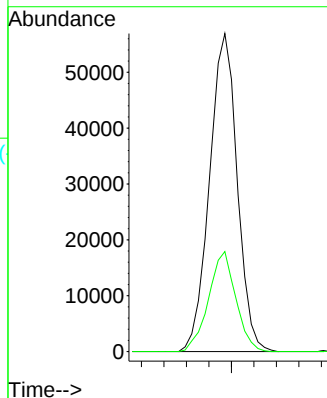
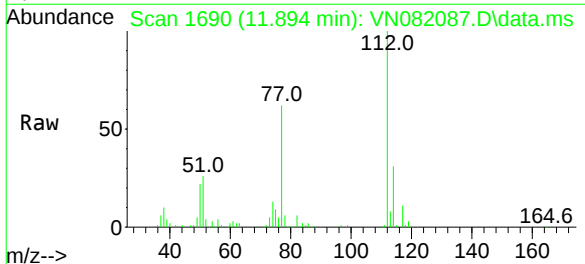
Manual Integrations
APPROVED

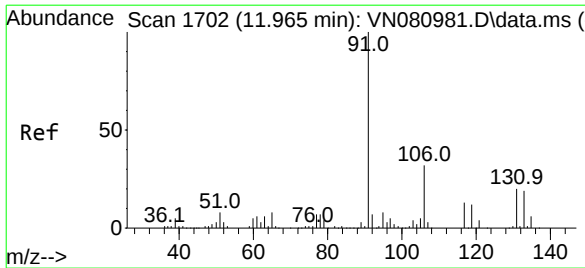
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#64
Chlorobenzene
Concen: 19.466 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion:112 Resp: 97406
Ion Ratio Lower Upper
112 100
114 31.5 26.6 39.8





#65

1,1,1,2-Tetrachloroethane

Concen: 19.018 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

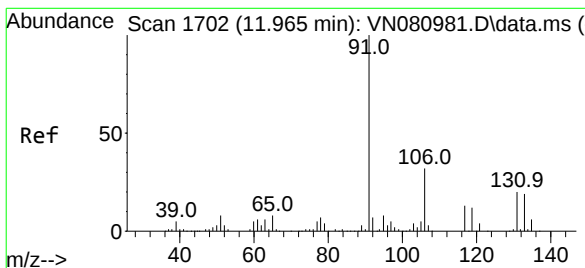
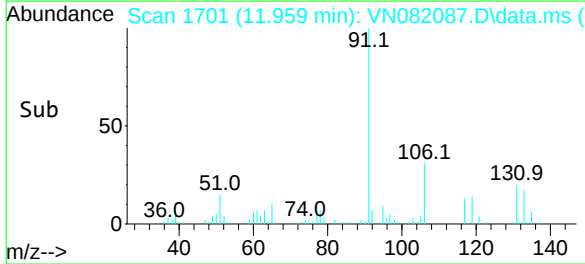
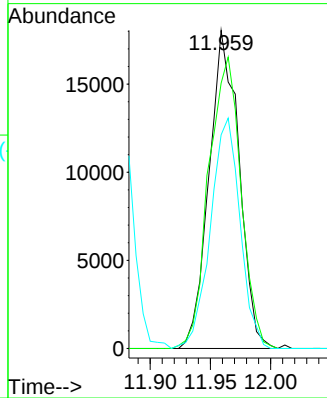
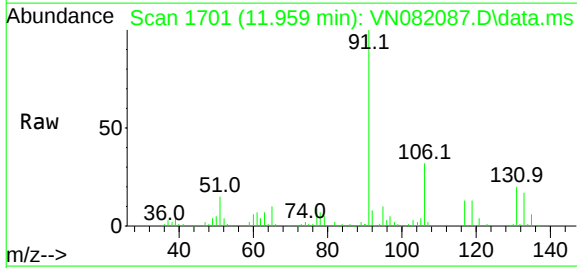
Tgt Ion:	131	Resp:	31148
Ion Ratio	Lower	Upper	
131	100		
133	98.6	0.0	188.0
119	71.6	0.0	122.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#66

Ethyl Benzene

Concen: 19.464 ug/l

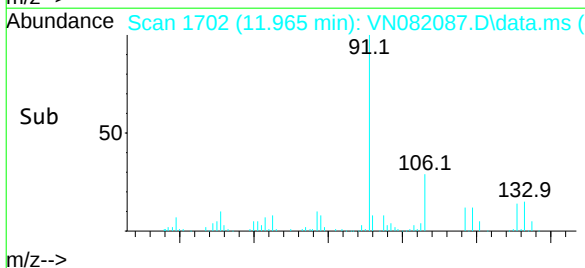
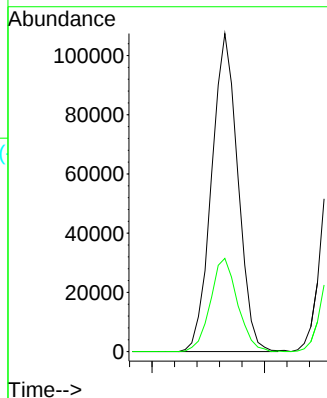
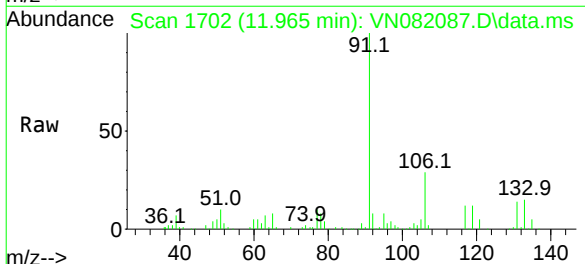
RT: 11.965 min Scan# 1702

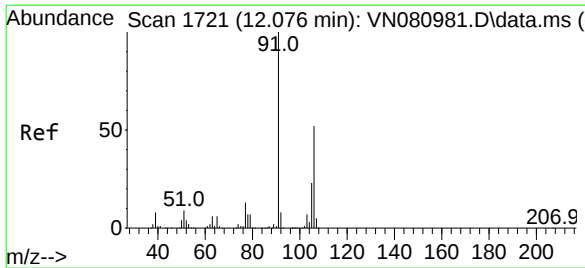
Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Tgt Ion:	91	Resp:	174550
Ion Ratio	Lower	Upper	
91	100		
106	29.3	24.4	36.6





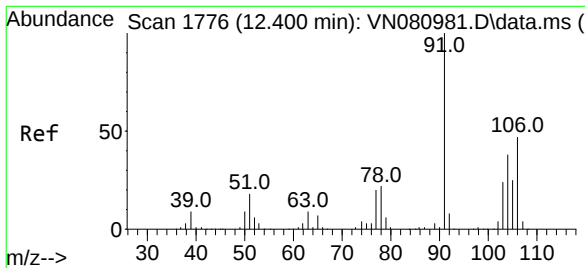
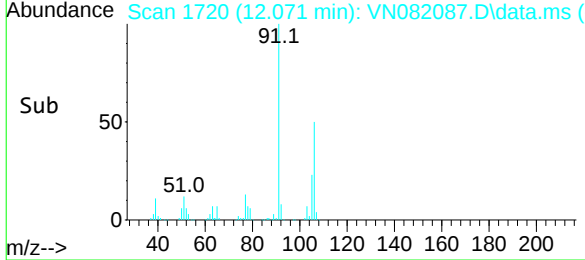
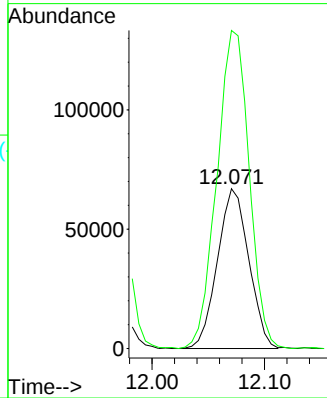
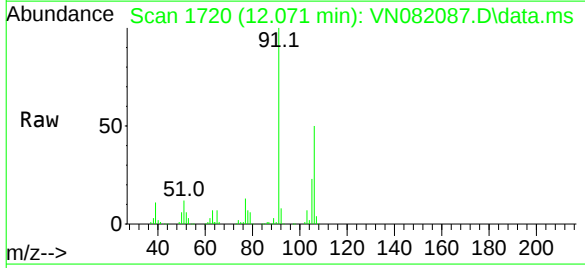
#67
m/p-Xylenes
Concen: 39.018 ug/l
RT: 12.071 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 129730
Ion Ratio Lower Upper
106 100
91 205.0 166.6 249.8

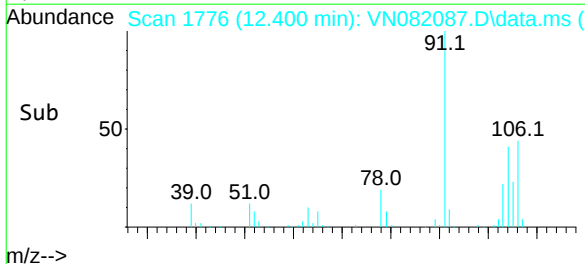
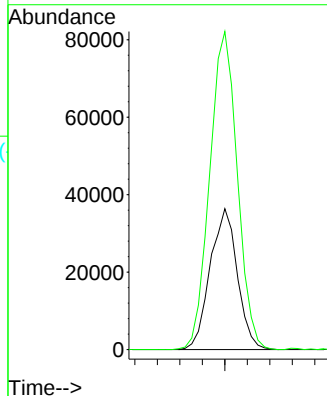
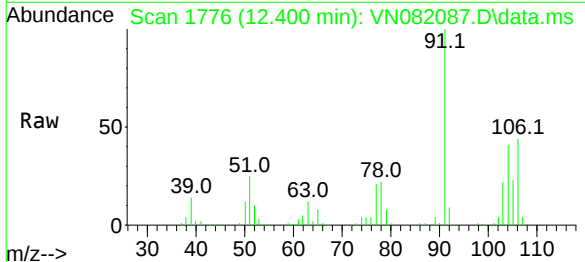
Manual Integrations
APPROVED

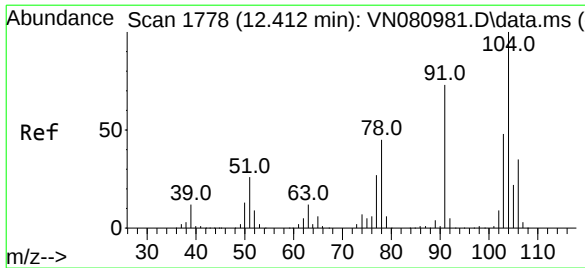
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#68
o-Xylene
Concen: 18.586 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion:106 Resp: 61139
Ion Ratio Lower Upper
106 100
91 229.0 110.0 330.0





#69

Styrene

Concen: 19.207 ug/l

RT: 12.412 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

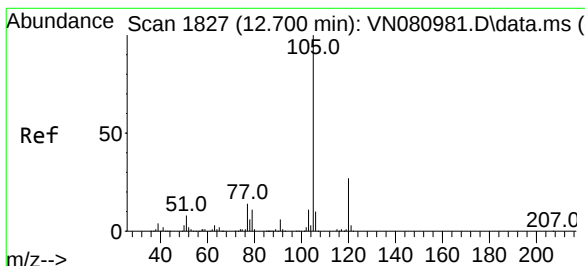
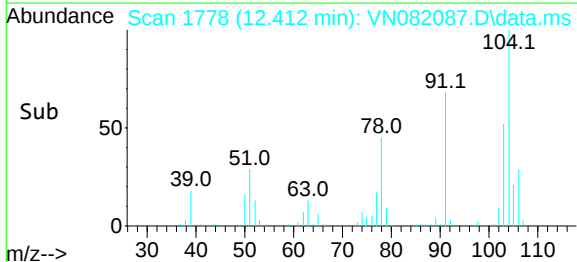
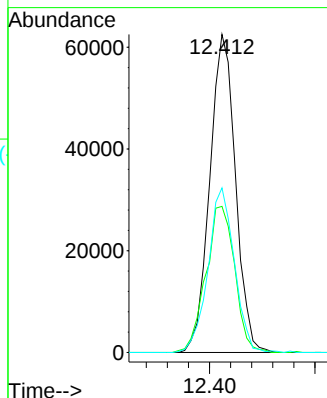
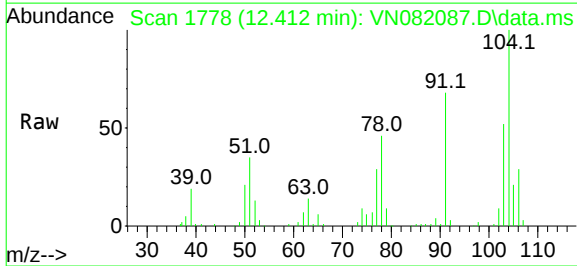
Tgt Ion:	104	Resp:	106065
Ion Ratio	Lower	Upper	
104	100		
78	51.5	42.6	64.0
103	52.8	43.7	65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#70

Isopropylbenzene

Concen: 18.872 ug/l

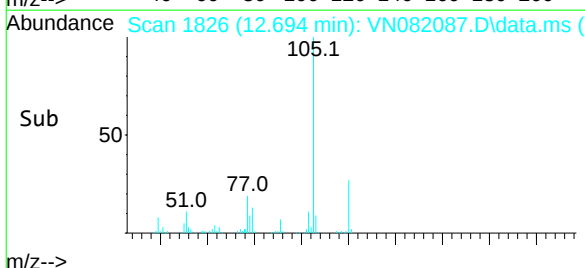
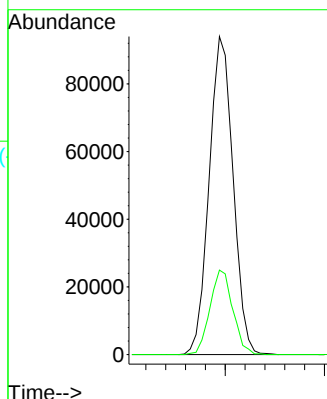
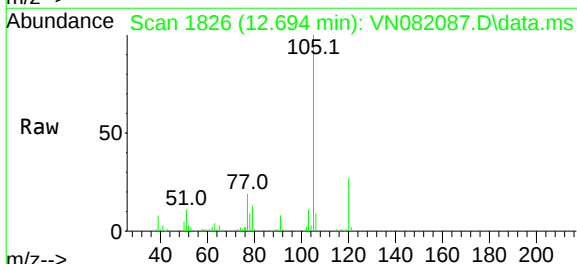
RT: 12.694 min Scan# 1826

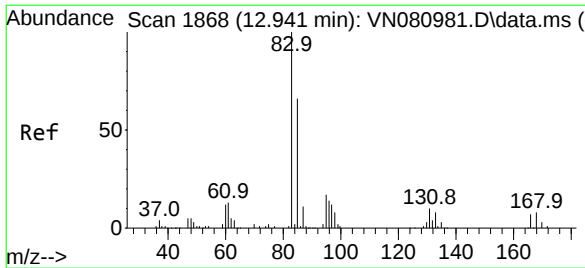
Delta R.T. -0.006 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Tgt Ion:	105	Resp:	157666
Ion Ratio	Lower	Upper	
105	100		
120	25.3	17.8	33.1





#71
1,1,2,2-Tetrachloroethane
Concen: 22.044 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

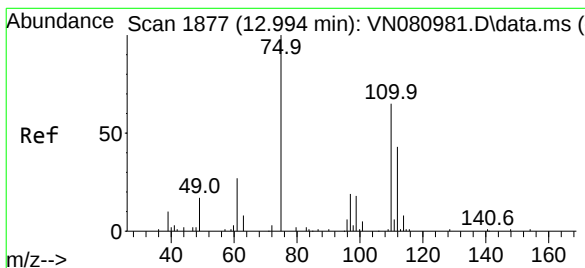
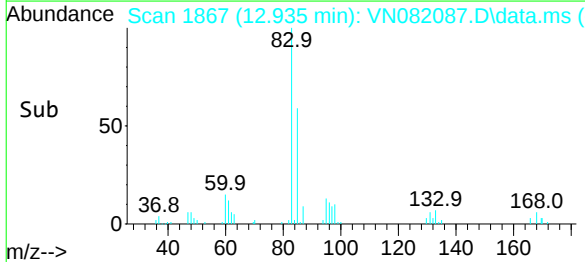
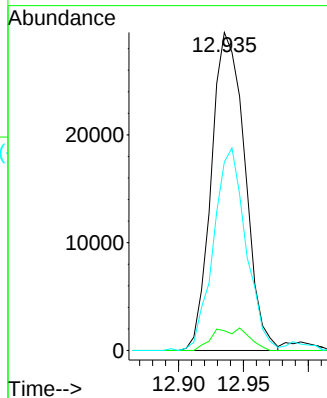
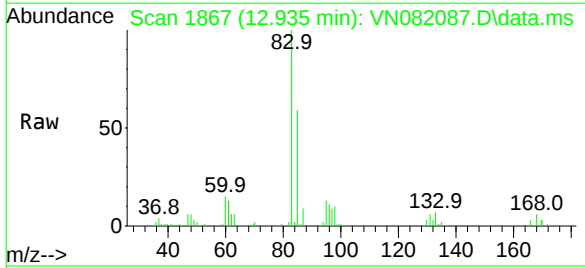
Tgt Ion	Ratio	Lower	Upper
83	100		
131	3.1	5.2	15.6
85	61.6	32.3	96.8

Manual Integrations

APPROVED

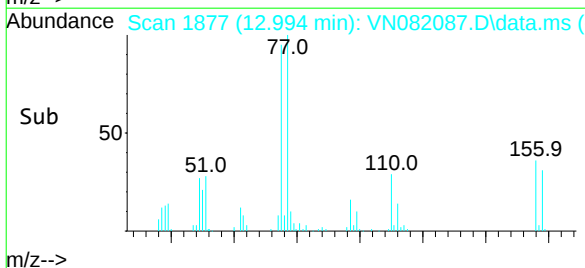
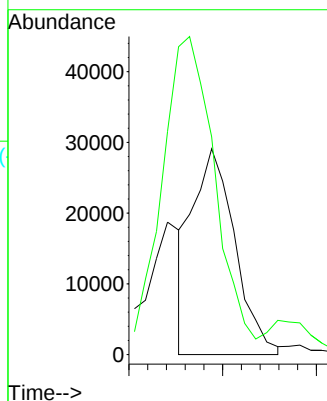
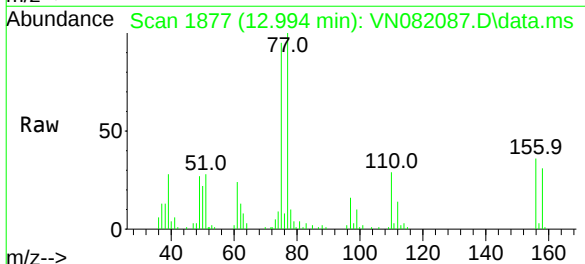
Reviewed By :John Carlone 05/14/2024

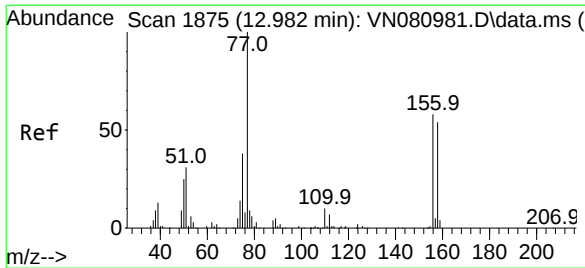
Supervised By :Mahesh Dadoda 05/14/2024



#72
1,2,3-Trichloropropane
Concen: 23.310 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	195.7	0.0	367.6





#73

Bromobenzene

Concen: 19.525 ug/l

RT: 12.982 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

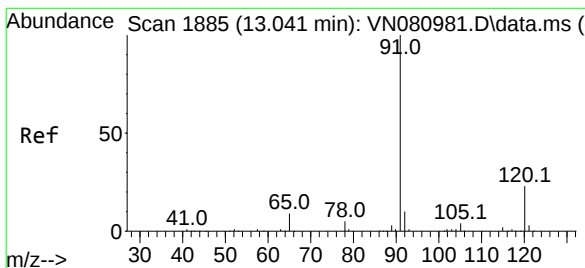
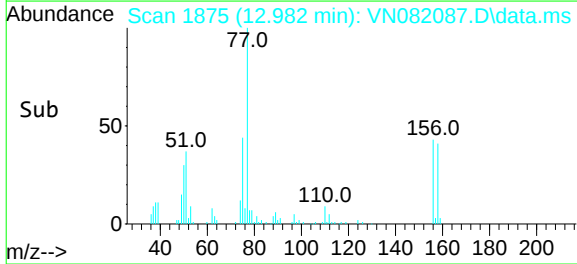
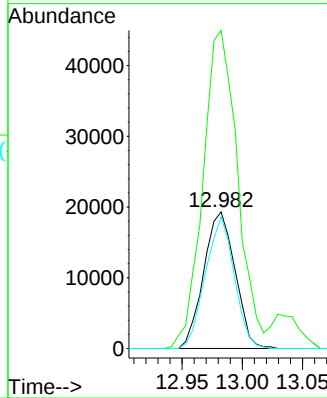
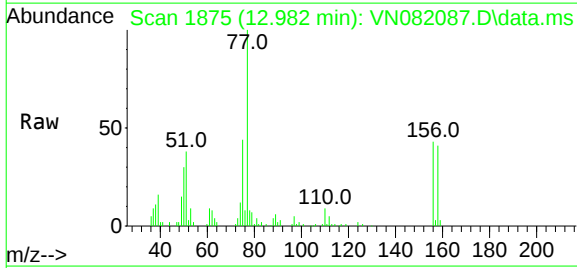
Tgt Ion:	156	Resp:	34919
Ion Ratio	Lower	Upper	
156	100		
77	257.0	0.0	437.6
158	88.7	0.0	203.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#74

n-propylbenzene

Concen: 19.801 ug/l

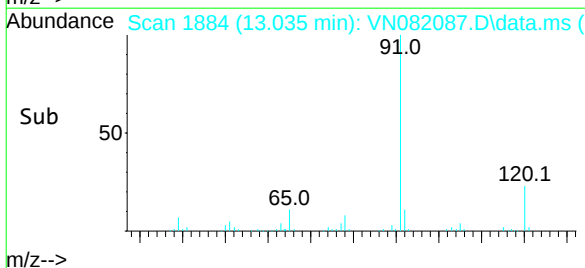
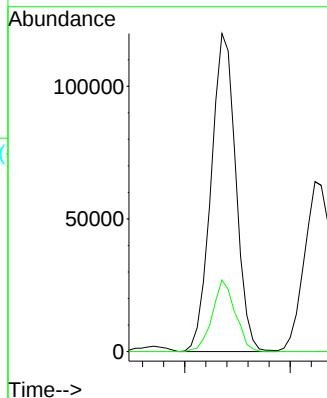
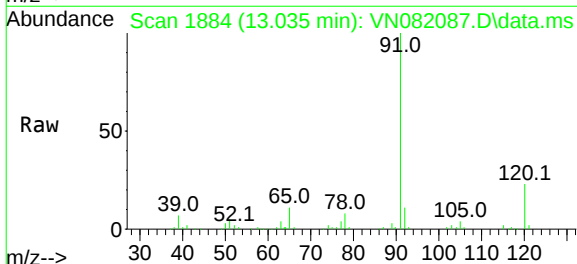
RT: 13.035 min Scan# 1884

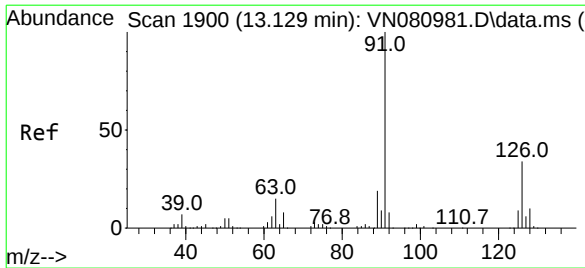
Delta R.T. -0.006 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Tgt Ion:	91	Resp:	195311
Ion Ratio	Lower	Upper	
91	100		
120	20.8	0.0	43.8





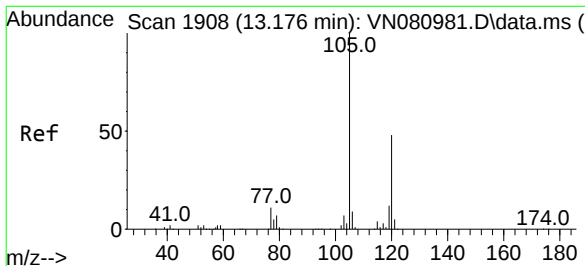
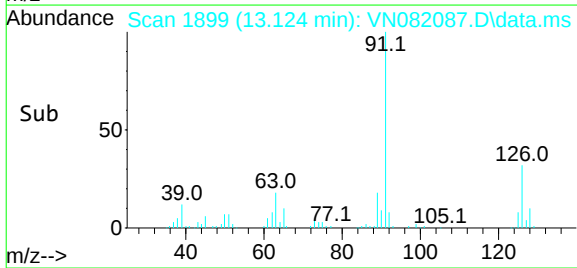
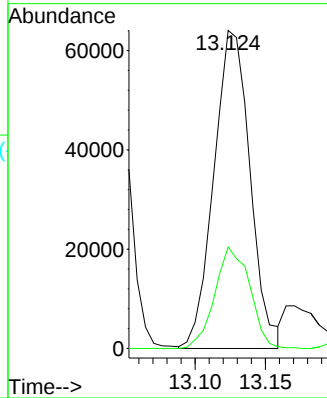
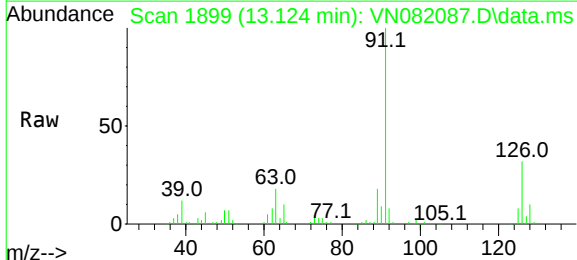
#75
2-Chlorotoluene
Concen: 18.843 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 114897
Ion Ratio Lower Upper
91 100
126 30.7 0.0 61.2

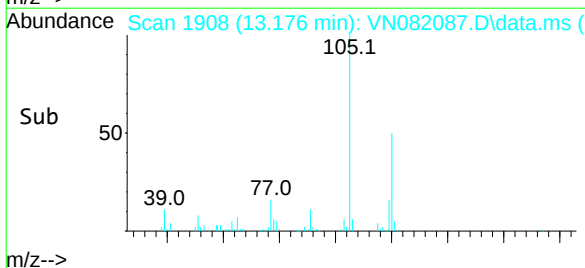
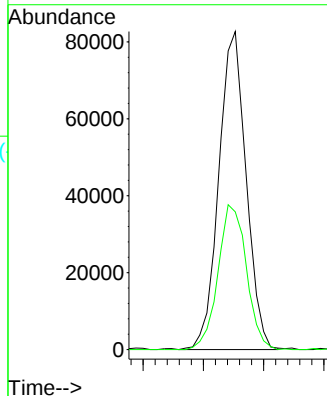
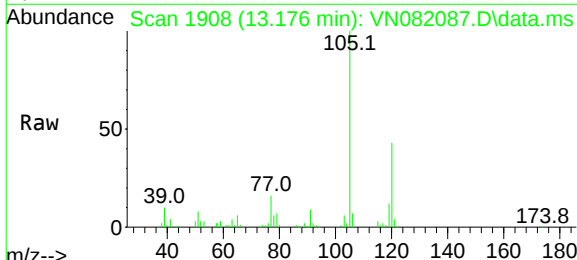
Manual Integrations
APPROVED

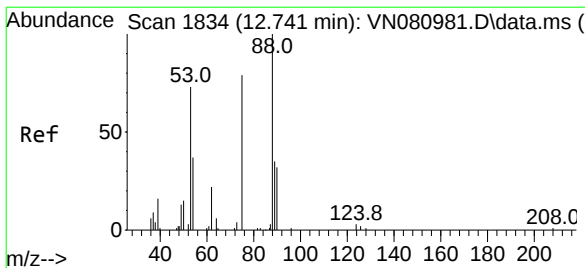
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#76
1,3,5-Trimethylbenzene
Concen: 19.263 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion:105 Resp: 130265
Ion Ratio Lower Upper
105 100
120 47.3 0.0 95.8





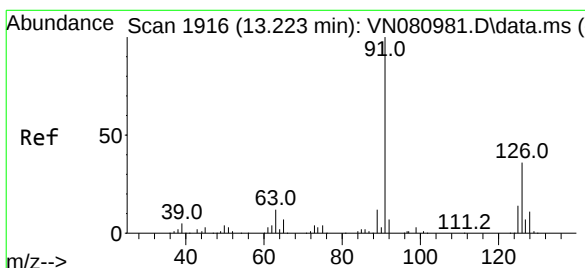
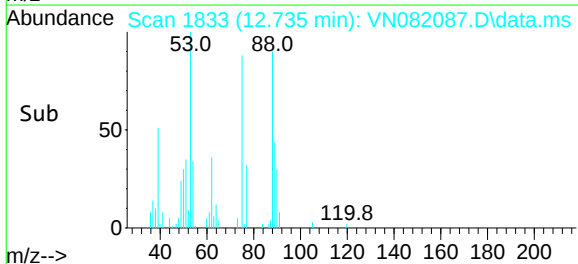
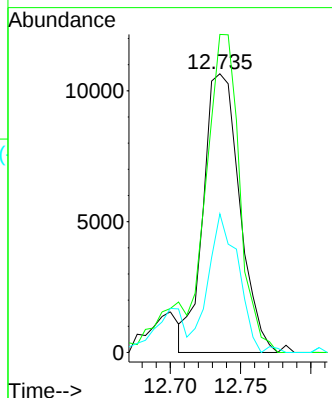
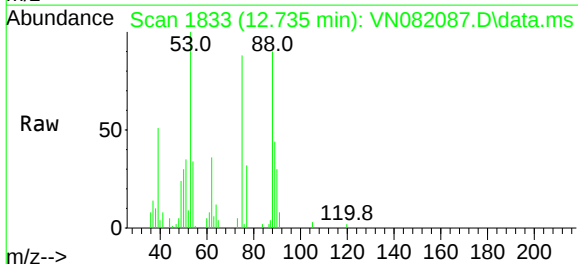
#77
t-1,4-Dichloro-2-butene
Concen: 19.095 ug/l
RT: 12.735 min Scan# 1834
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	114.1	45.9	137.7
89	48.3	25.9	77.7

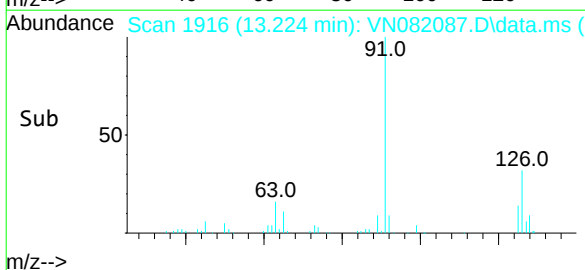
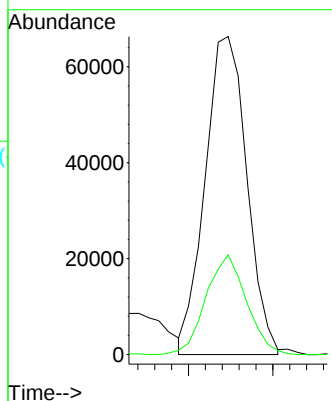
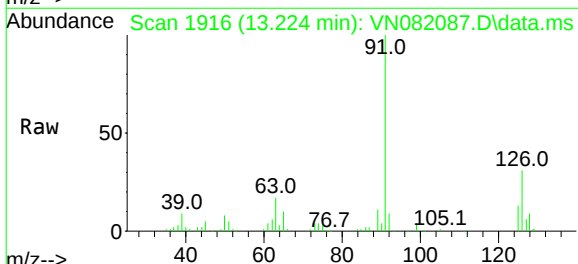
Manual Integrations
APPROVED

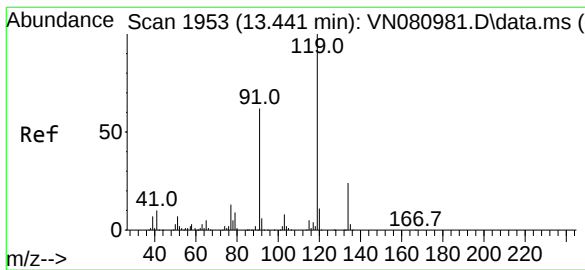
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#78
4-Chlorotoluene
Concen: 19.053 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	0.0	62.8





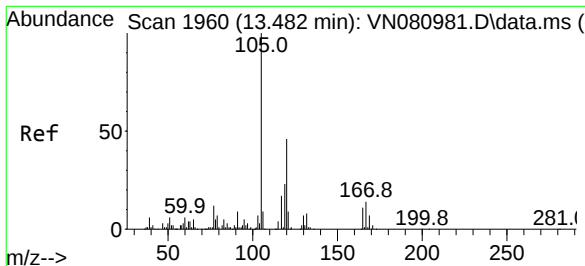
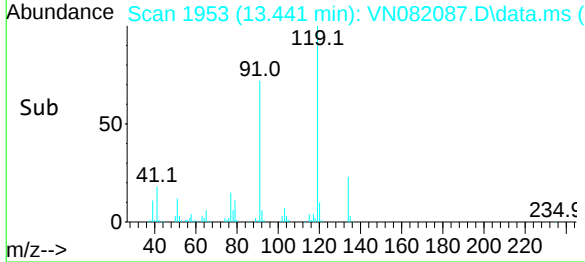
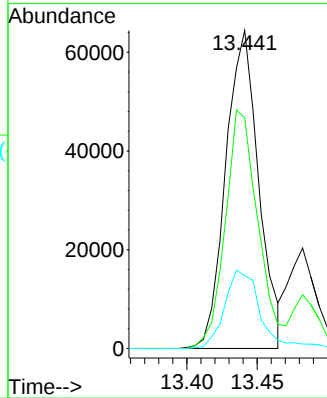
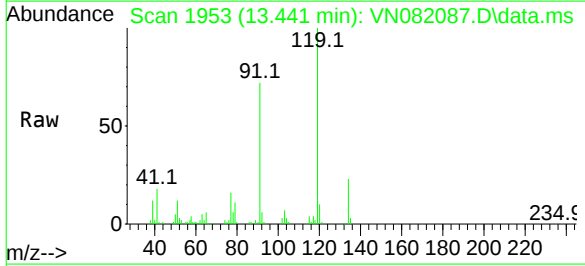
#79
tert-butylbenzene
Concen: 18.036 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 105018
Ion Ratio Lower Upper
119 100
91 75.0 0.0 138.8
134 26.7 0.0 48.6

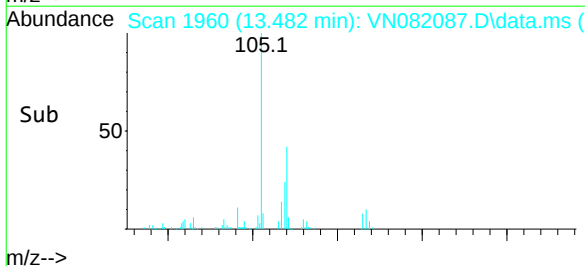
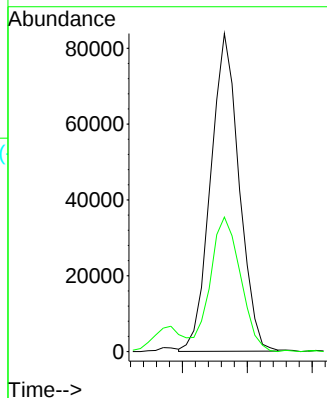
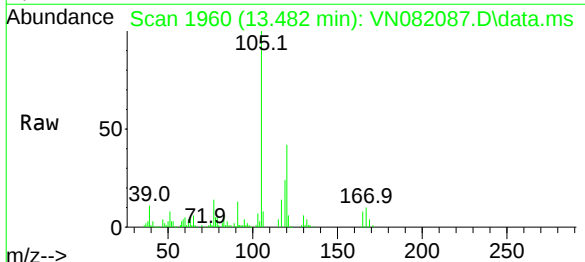
Manual Integrations
APPROVED

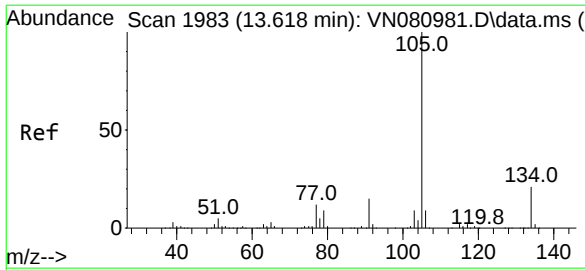
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#80
1,2,4-Trimethylbenzene
Concen: 18.863 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion:105 Resp: 128128
Ion Ratio Lower Upper
105 100
120 45.2 0.0 86.8





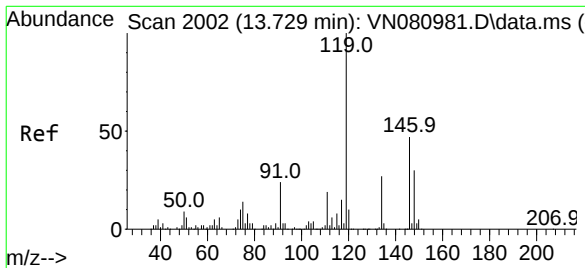
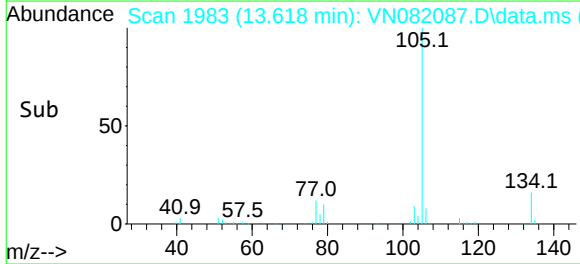
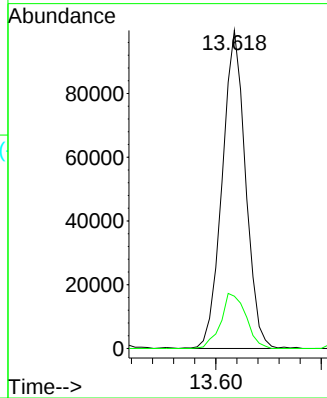
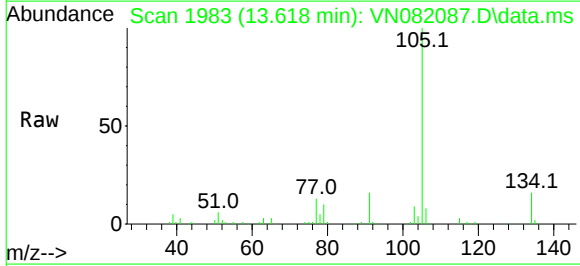
#81
sec-Butylbenzene
Concen: 18.790 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 153363
Ion Ratio Lower Upper
105 100
134 18.7 0.0 39.0

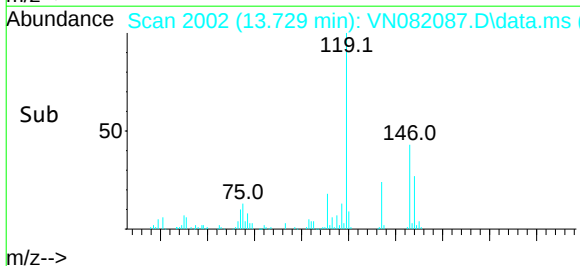
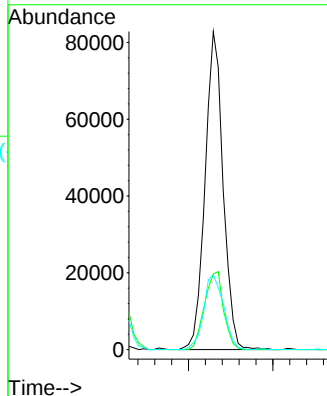
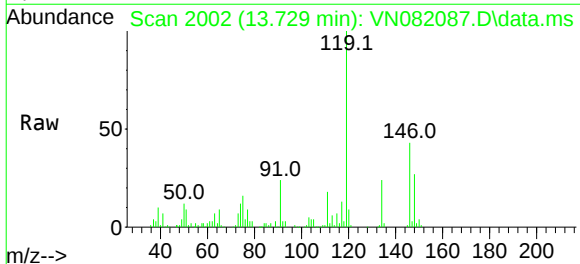
Manual Integrations
APPROVED

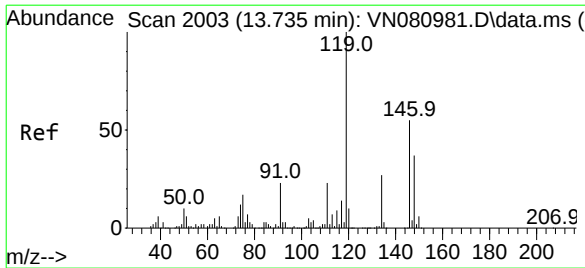
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#82
p-Isopropyltoluene
Concen: 19.049 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

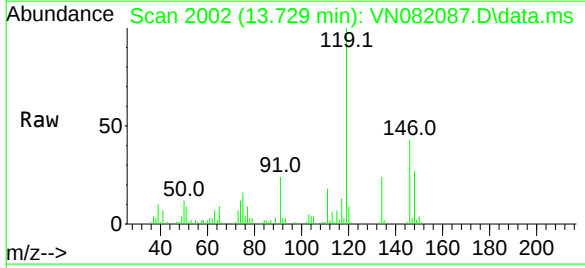
Tgt Ion:119 Resp: 122943
Ion Ratio Lower Upper
119 100
134 25.8 0.0 49.2
91 25.9 0.0 48.8





#83
1,3-Dichlorobenzene
Concen: 19.186 ug/l
RT: 13.729 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

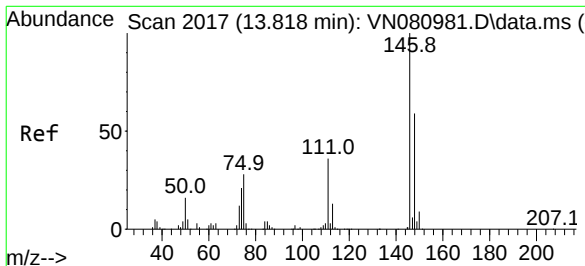
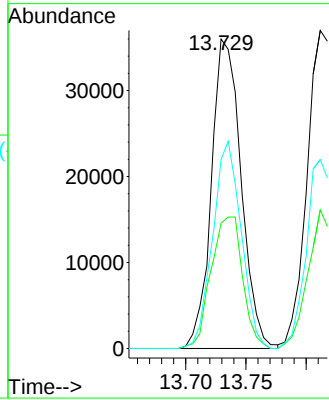
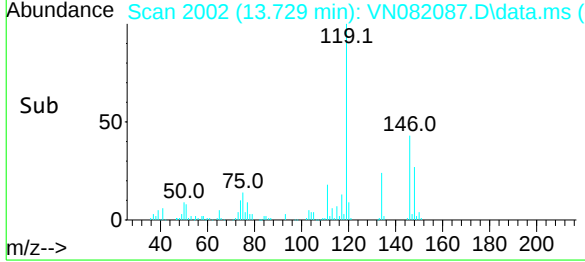
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



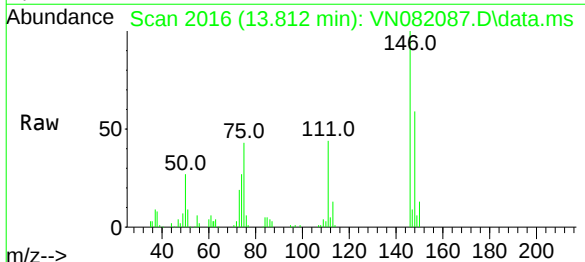
Tgt Ion:146 Resp: 61783
Ion Ratio Lower Upper
146 100
111 45.2 22.4 67.0
148 64.2 32.1 96.5

Manual Integrations
APPROVED

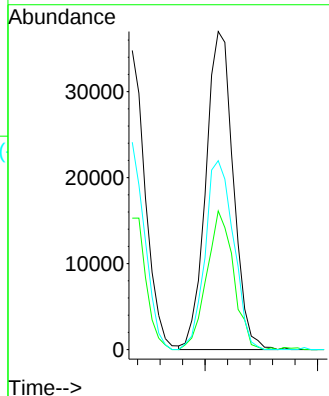
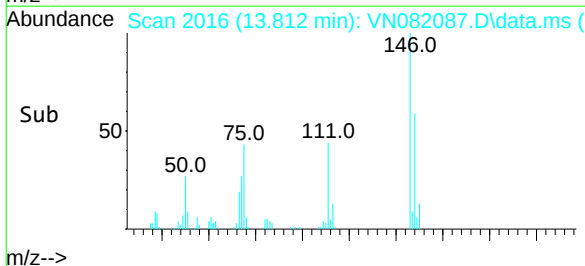
Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024

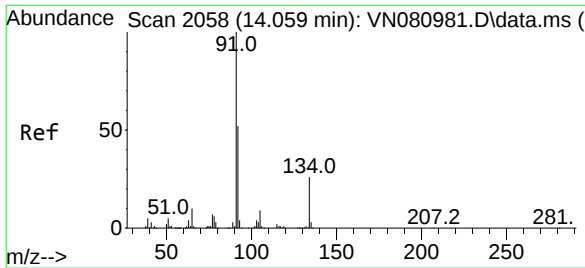


#84
1,4-Dichlorobenzene
Concen: 19.385 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23



Tgt Ion:146 Resp: 62745
Ion Ratio Lower Upper
146 100
111 42.5 21.3 63.9
148 61.7 31.9 95.5





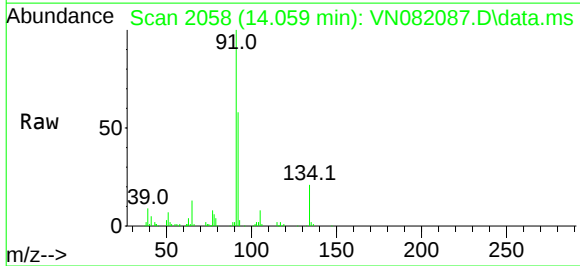
#85
n-Butylbenzene
Concen: 19.561 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



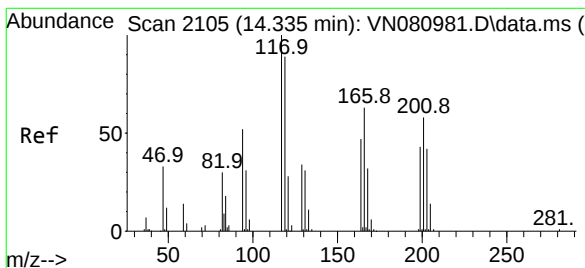
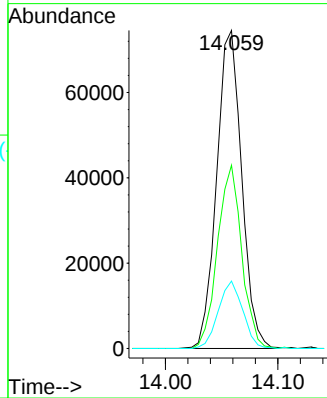
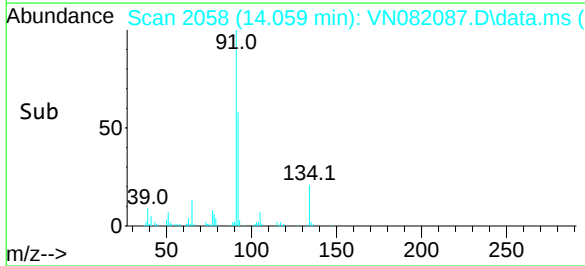
Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	0.0	105.0
134	20.7	0.0	51.8

Manual Integrations

APPROVED

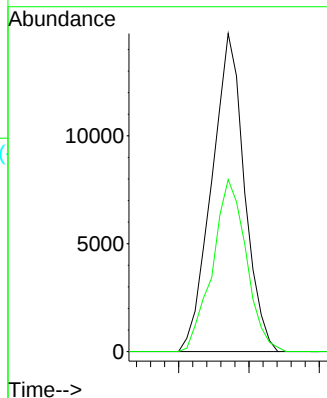
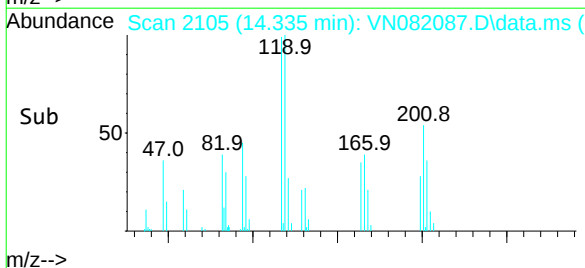
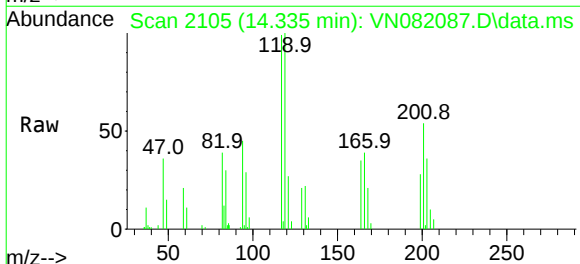
Reviewed By :John Carlone 05/14/2024

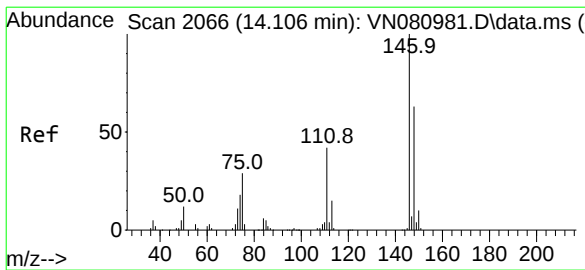
Supervised By :Mahesh Dadoda 05/14/2024



#86
Hexachloroethane
Concen: 18.489 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN082087.D
Acq: 13 May 2024 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.9	38.0	114.0





#87

1,2-Dichlorobenzene

Concen: 19.579 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

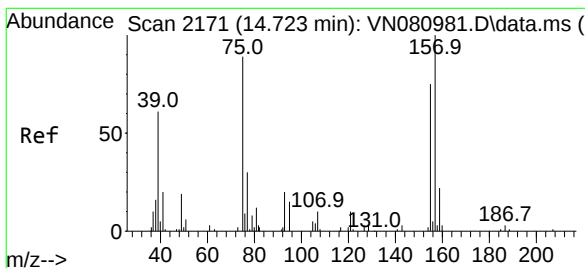
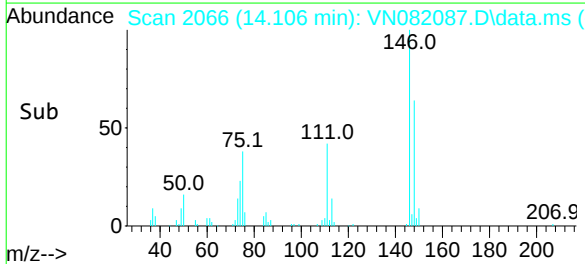
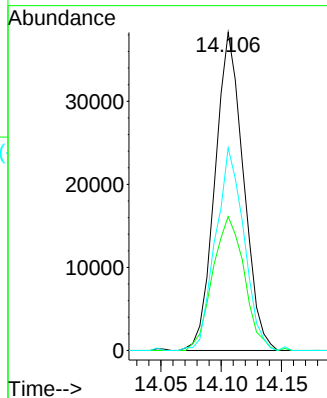
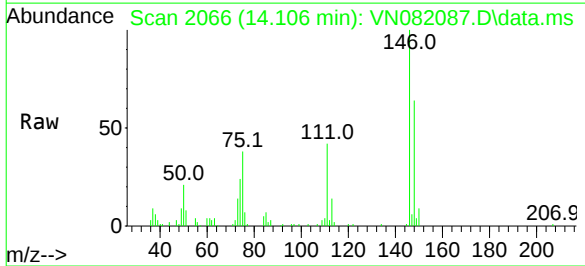
Tgt Ion:	146	Resp:	62796
Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.6	67.8
148	63.4	31.3	93.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.918 ug/l

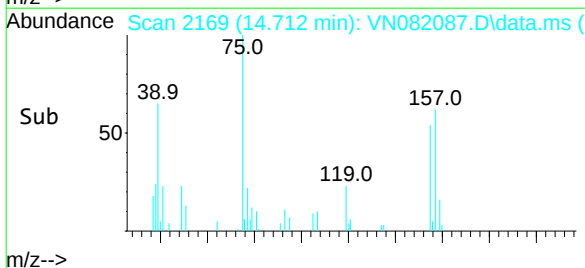
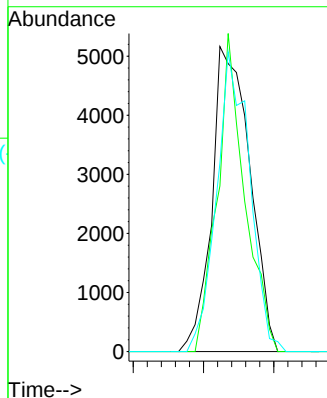
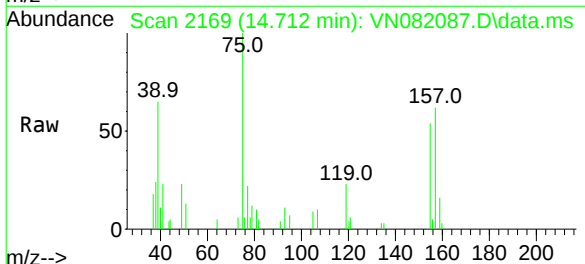
RT: 14.712 min Scan# 2169

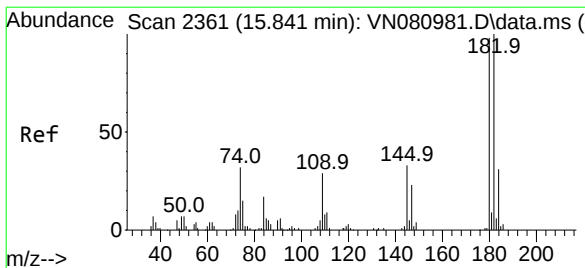
Delta R.T. -0.012 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Tgt Ion:	75	Resp:	9667
Ion	Ratio	Lower	Upper
75	100		
155	75.9	61.7	92.5
157	85.7	83.6	125.4





#89

1,2,4-Trichlorobenzene

Concen: 18.463 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

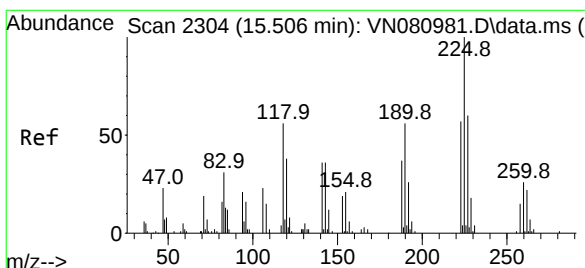
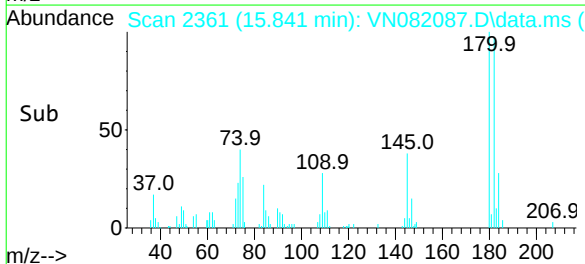
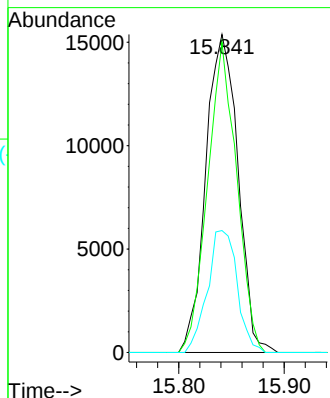
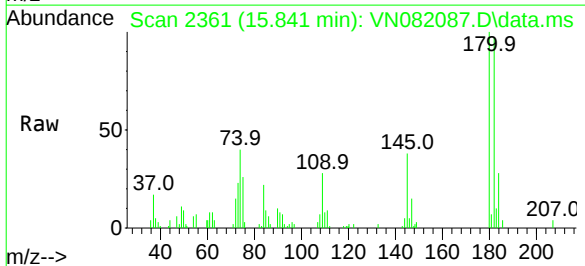
ClientSampleId :

VSTDCCC020

Tgt Ion:	180	Resp:	32606
Ion Ratio	Lower	Upper	
180	100		
182	88.1	76.4	114.6
145	35.5	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2024
Supervised By :Mahesh Dadoda 05/14/2024



#90

Hexachlorobutadiene

Concen: 16.578 ug/l

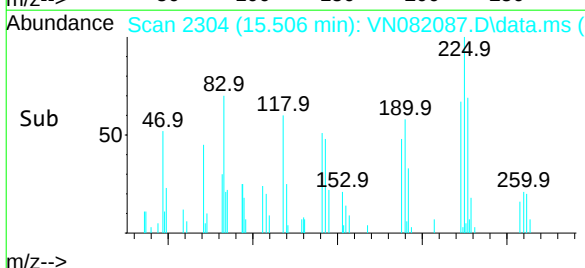
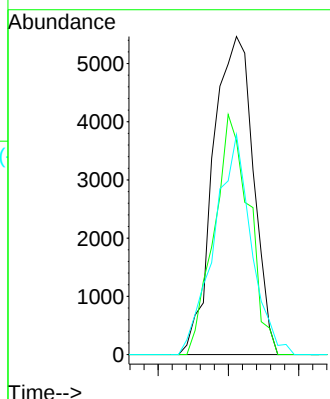
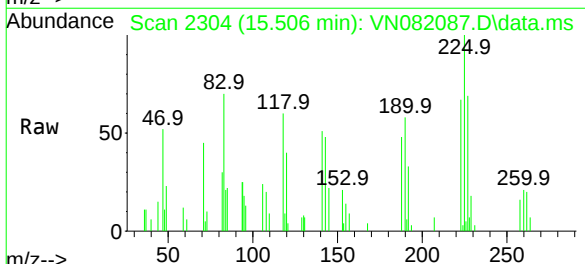
RT: 15.506 min Scan# 2304

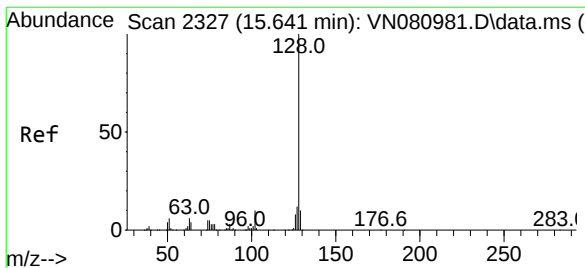
Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Tgt Ion:	225	Resp:	10843
Ion Ratio	Lower	Upper	
225	100		
223	65.8	0.0	126.6
227	63.8	0.0	126.6





#91

Naphthalene

Concen: 18.186 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

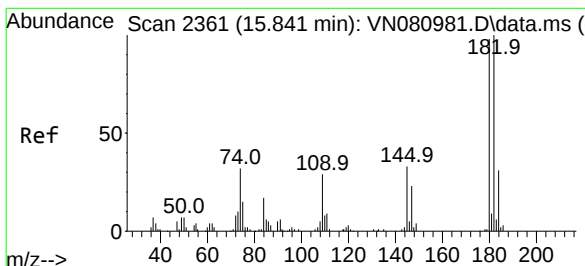
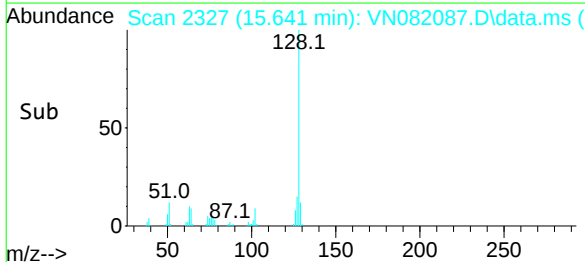
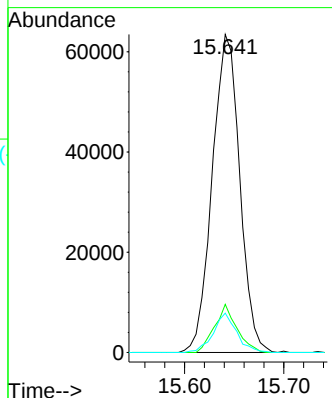
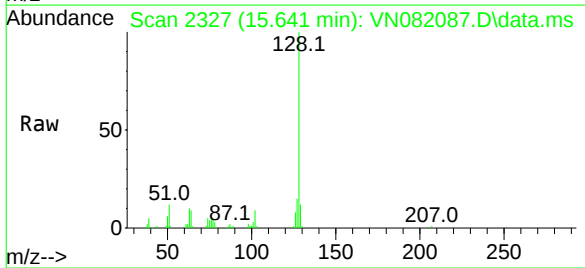
Tgt Ion:	128	Resp:	122089
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.6	16.0
129	10.6	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2024

Supervised By :Mahesh Dadoda 05/14/2024



#92

1,2,3-Trichlorobenzene

Concen: 18.463 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN082087.D

Acq: 13 May 2024 10:23

Tgt Ion:	180	Resp:	32606
Ion Ratio	Lower	Upper	
180	100		
182	88.1	0.0	191.0
145	35.5	0.0	71.0

