

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072424\
 Data File : VN083020.D
 Acq On : 24 Jul 2024 09:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 25 02:33:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/25/2024
 Supervised By : Mahesh Dadoda 07/25/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	185757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122847	47.177	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.360%
35) Dibromofluoromethane	8.171	113	97613	49.614	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	10.571	98	355697	48.949	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.853	95	121543	46.564	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	93.120%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	118643	49.334	ug/l	100
3) Chloromethane	2.359	50	94596	41.477	ug/l	99
4) Vinyl Chloride	2.512	62	115018	48.018	ug/l	97
5) Bromomethane	2.936	94	77344	44.785	ug/l	99
6) Chloroethane	3.112	64	90317	55.100	ug/l	99
7) Trichlorofluoromethane	3.489	101	191760	55.661	ug/l	94
8) Diethyl Ether	3.965	74	62063	52.638	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	113256	58.085	ug/l	98
10) Methyl Iodide	4.589	142	104283	52.166	ug/l	97
11) Tert butyl alcohol	5.524	59	110701	252.761	ug/l	99
12) 1,1-Dichloroethene	4.336	96	97096	51.204	ug/l	86
13) Acrolein	4.177	56	60755	192.141	ug/l	99
14) Allyl chloride	5.024	41	139498	47.181	ug/l #	88
15) Acrylonitrile	5.718	53	264269	262.558	ug/l	100
16) Acetone	4.424	43	253538	276.553	ug/l	98
17) Carbon Disulfide	4.712	76	251216	44.334	ug/l	100
18) Methyl Acetate	5.024	43	157786	65.043	ug/l #	88
19) Methyl tert-butyl Ether	5.794	73	361528	55.269	ug/l	99
20) Methylene Chloride	5.277	84	121048	54.673	ug/l	84
21) trans-1,2-Dichloroethene	5.783	96	105684	51.436	ug/l	87
22) Diisopropyl ether	6.671	45	361619	58.461	ug/l #	93
23) Vinyl Acetate	6.600	43	1318558	268.425	ug/l #	95
24) 1,1-Dichloroethane	6.571	63	217095	57.860	ug/l	97
25) 2-Butanone	7.483	43	362167	261.627	ug/l	94
26) 2,2-Dichloropropane	7.489	77	209799	60.139	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	135502	56.330	ug/l	90
28) Bromochloromethane	7.812	49	83200	51.690	ug/l #	80
29) Tetrahydrofuran	7.841	42	226279	259.648	ug/l #	85
30) Chloroform	7.965	83	238372	59.886	ug/l	97
31) Cyclohexane	8.259	56	157386	46.231	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	212382	57.468	ug/l	95
36) 1,1-Dichloropropene	8.371	75	154507	56.959	ug/l	99
37) Ethyl Acetate	7.559	43	142710	51.675	ug/l	96
38) Carbon Tetrachloride	8.365	117	181753	55.649	ug/l	95
39) Methylcyclohexane	9.606	83	151738	51.786	ug/l	91
40) Benzene	8.606	78	483282	57.920	ug/l	97

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Quant Time: Jul 25 02:33:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	79543	53.463	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	180997	60.255	ug/l	98
43) Isopropyl Acetate	8.688	43	274310	52.847	ug/l #	95
44) Trichloroethene	9.353	130	114565	53.593	ug/l	100
45) 1,2-Dichloropropane	9.618	63	125014	64.175	ug/l	100
46) Dibromomethane	9.712	93	90879	59.883	ug/l	99
47) Bromodichloromethane	9.888	83	192080	61.256	ug/l	98
48) Methyl methacrylate	9.682	41	117852	54.424	ug/l #	84
49) 1,4-Dioxane	9.700	88	44550	944.553	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	777636	284.031	ug/l	95
52) Toluene	10.629	92	308788	59.243	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	193926	60.033	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	201176	58.836	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	122991	64.170	ug/l	93
56) Ethyl methacrylate	10.877	69	181972	61.025	ug/l	87
57) 1,3-Dichloropropane	11.165	76	203360	59.941	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	472871	309.045	ug/l	96
59) 2-Hexanone	11.194	43	583394	286.603	ug/l	94
60) Dibromochloromethane	11.359	129	148914	61.001	ug/l	99
61) 1,2-Dibromoethane	11.471	107	117795	57.873	ug/l	98
64) Tetrachloroethene	11.106	164	106015	49.829	ug/l	98
65) Chlorobenzene	11.894	112	342780	56.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	128374	59.060	ug/l	99
67) Ethyl Benzene	11.965	91	587694	57.222	ug/l	97
68) m/p-Xylenes	12.071	106	458132	118.152	ug/l	97
69) o-Xylene	12.400	106	216027	58.145	ug/l	97
70) Styrene	12.412	104	386774	63.005	ug/l	97
71) Bromoform	12.582	173	98843	57.823	ug/l #	98
73) Isopropylbenzene	12.700	105	553572	52.923	ug/l	98
74) N-amyl acetate	12.494	43	225984	52.231	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	167949	53.613	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	148243m	59.733	ug/l	
77) Bromobenzene	12.982	156	141153	52.309	ug/l	93
78) n-propylbenzene	13.035	91	672461	55.915	ug/l	99
79) 2-Chlorotoluene	13.123	91	398112	51.954	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	466796	55.210	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	63197	50.082	ug/l	99
82) 4-Chlorotoluene	13.223	91	409351	53.971	ug/l	97
83) tert-Butylbenzene	13.441	119	397501	53.030	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	476721	55.320	ug/l	100
85) sec-Butylbenzene	13.618	105	556876	54.977	ug/l	99
86) p-Isopropyltoluene	13.729	119	469614	55.568	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	261232	53.589	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	259084	51.392	ug/l	100
89) n-Butylbenzene	14.059	91	397597	54.915	ug/l	98
90) Hexachloroethane	14.335	117	92502	51.729	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	252948	53.443	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	32359	44.650	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	126370	49.568	ug/l	99
94) Hexachlorobutadiene	15.506	225	52648	46.583	ug/l	98
95) Naphthalene	15.641	128	409637	46.912	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	126818	48.379	ug/l	99

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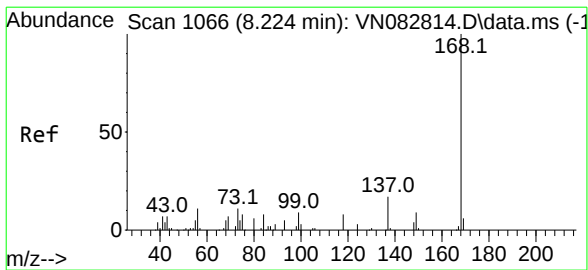
Manual Integrations
APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



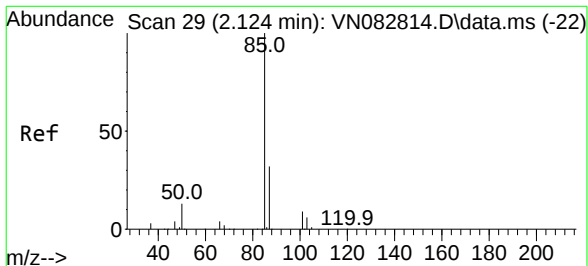
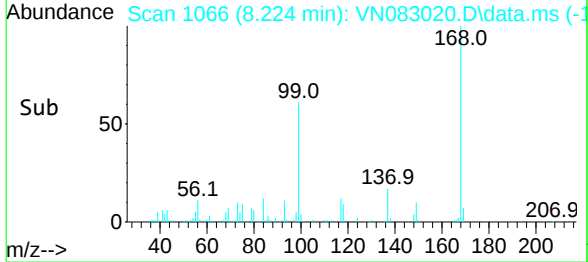
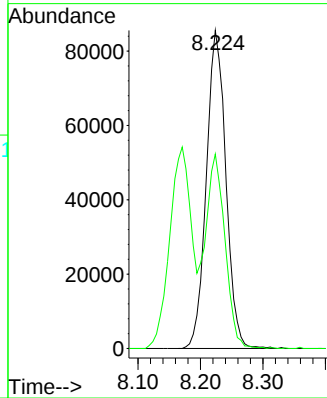
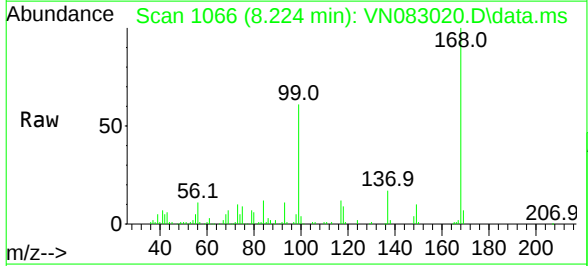
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 185757
Ion Ratio Lower Upper
168 100
99 61.1 48.2 72.4

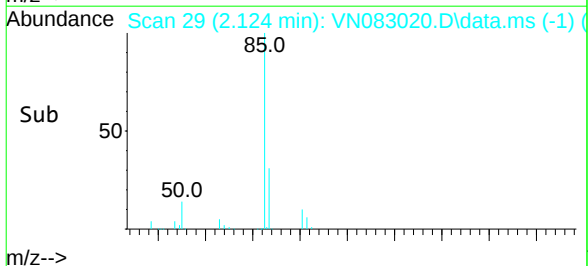
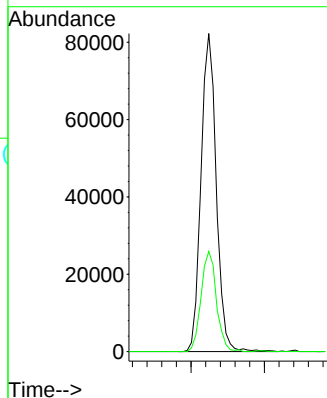
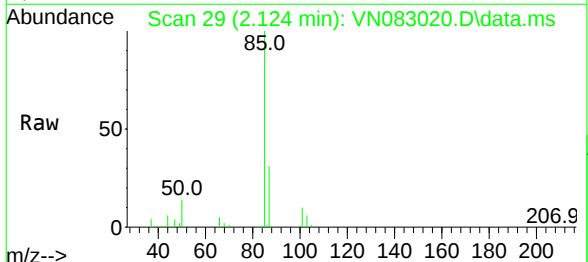
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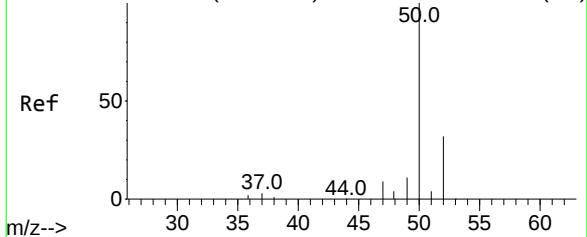


#2
Dichlorodifluoromethane
Concen: 49.334 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 85 Resp: 118643
Ion Ratio Lower Upper
85 100
87 31.5 15.7 47.0



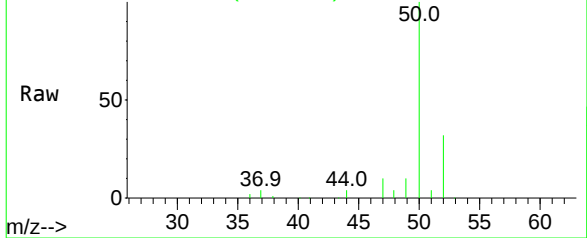
Abundance Scan 69 (2.359 min): VN082814.D\data.ms (-63)



#3
Chloromethane
Concen: 41.477 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Abundance Scan 69 (2.359 min): VN083020.D\data.ms

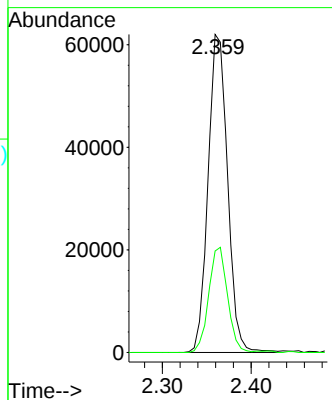
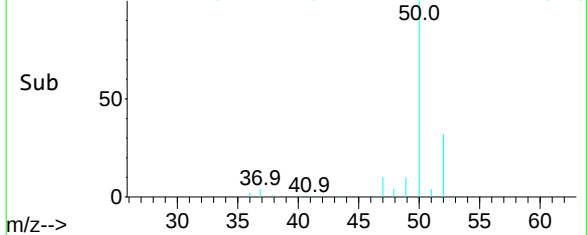


Tgt Ion: 50 Resp: 94596
Ion Ratio Lower Upper
50 100
52 31.9 25.0 37.4

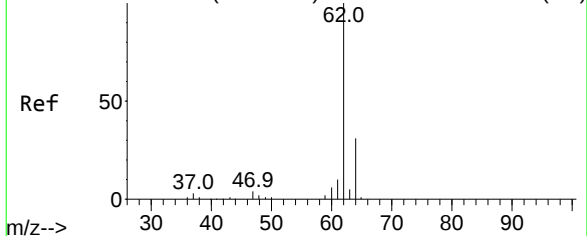
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Abundance Scan 69 (2.359 min): VN083020.D\data.ms (-18)



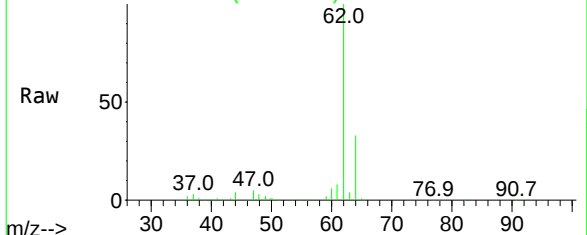
Abundance Scan 95 (2.512 min): VN082814.D\data.ms (-88)



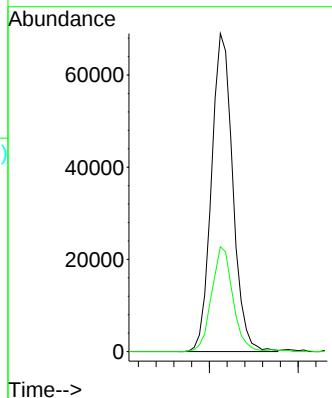
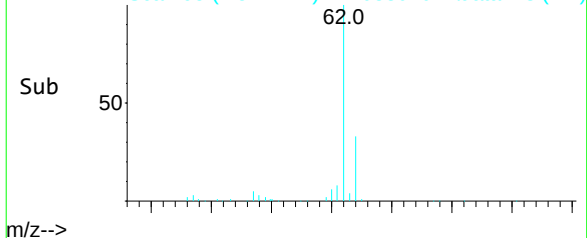
#4
Vinyl Chloride
Concen: 48.018 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

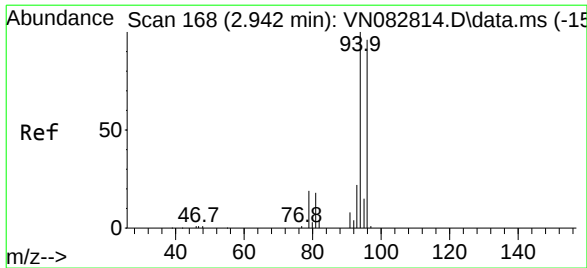
Tgt Ion: 62 Resp: 115018
Ion Ratio Lower Upper
62 100
64 33.0 25.0 37.6

Abundance Scan 95 (2.512 min): VN083020.D\data.ms



Abundance Scan 95 (2.512 min): VN083020.D\data.ms (-44)





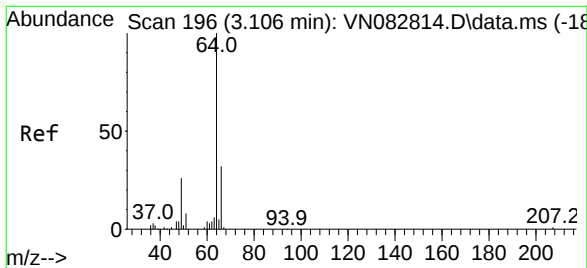
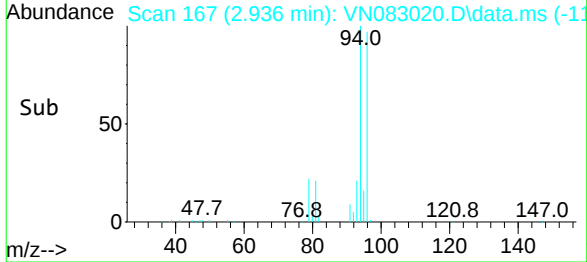
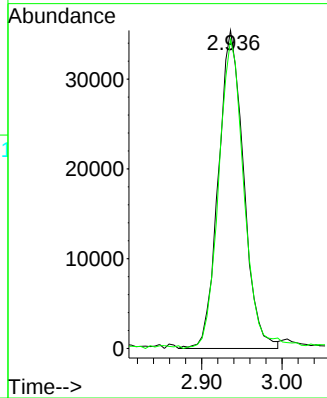
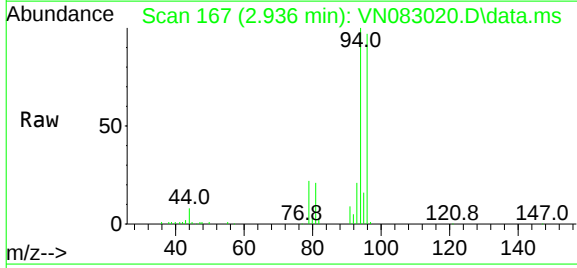
#5
Bromomethane
Concen: 44.785 ug/l
RT: 2.936 min Scan# 16
Delta R.T. -0.011 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

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Tgt Ion: 94 Resp: 77344
Ion Ratio Lower Upper
94 100
96 96.3 78.0 117.0

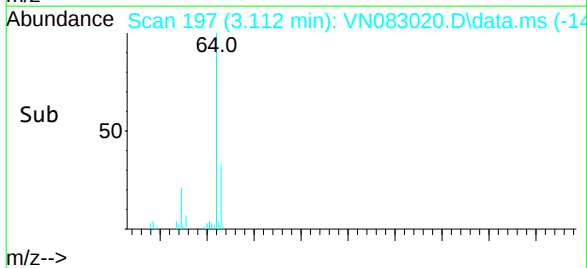
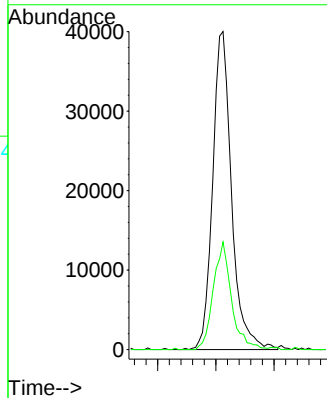
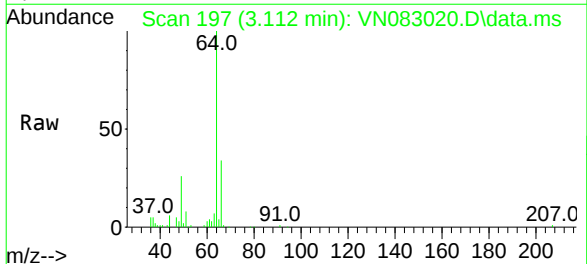
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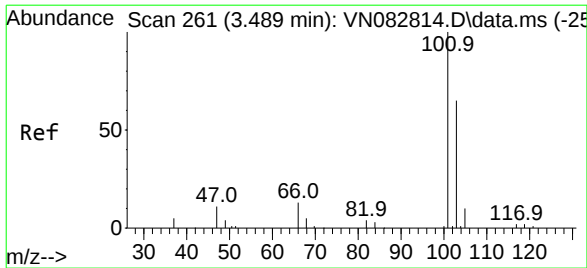
Reviewed By :John Carlone 07/25/2024
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#6
Chloroethane
Concen: 55.100 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 64 Resp: 90317
Ion Ratio Lower Upper
64 100
66 33.8 26.6 40.0





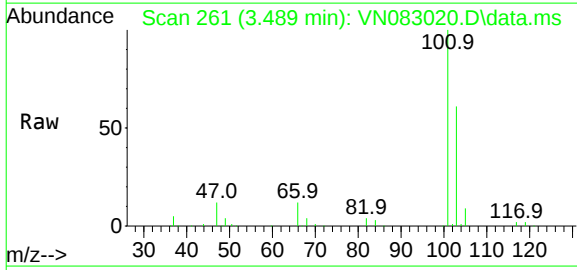
#7
 Trichlorofluoromethane
 Concen: 55.661 ug/l
 RT: 3.489 min Scan# 261
 Delta R.T. -0.005 min
 Lab File: VN083020.D
 Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

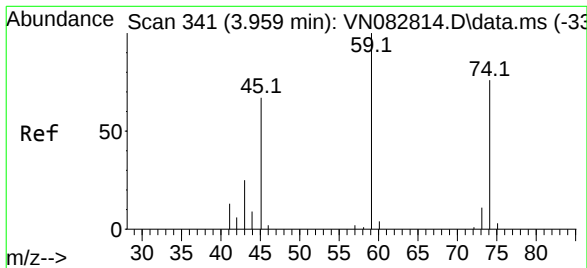
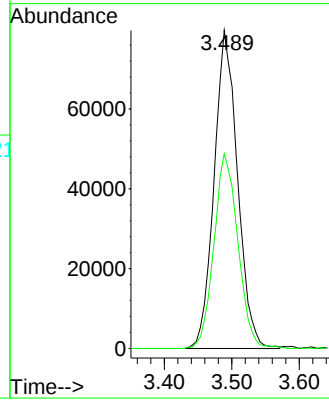
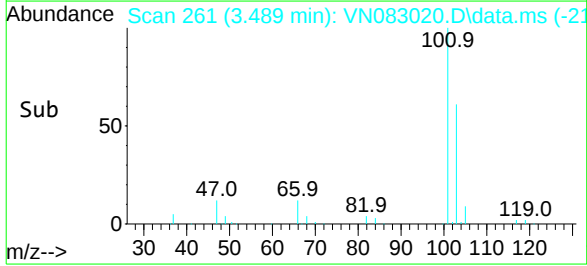
VSTDCCC050



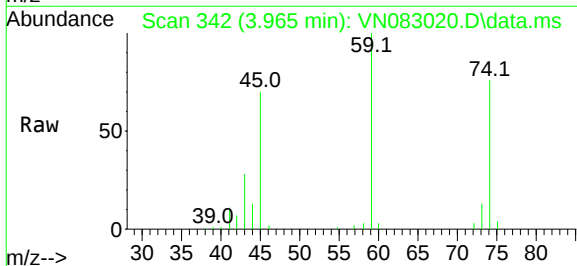
Tgt Ion:101 Resp: 191760
 Ion Ratio Lower Upper
 101 100
 103 61.3 52.7 79.1

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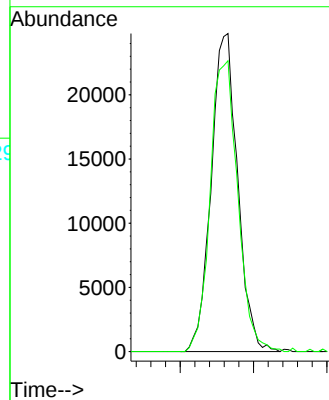
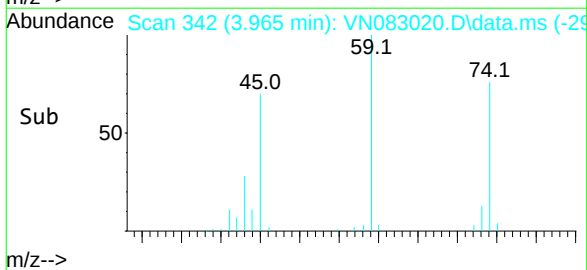
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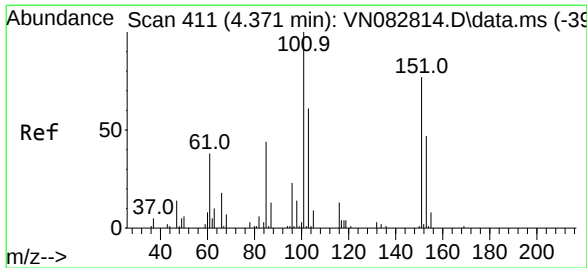


#8
 Diethyl Ether
 Concen: 52.638 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN083020.D
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Tgt Ion: 74 Resp: 62063
 Ion Ratio Lower Upper
 74 100
 45 95.4 55.5 166.3





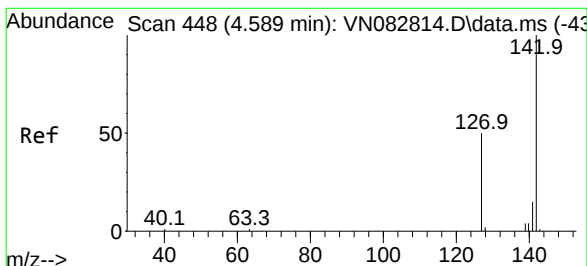
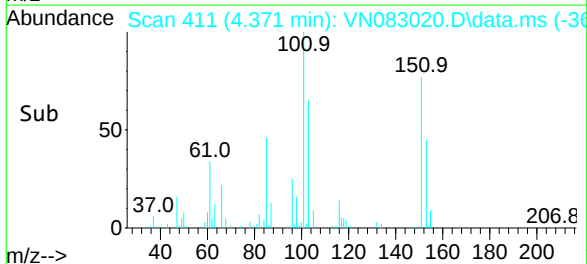
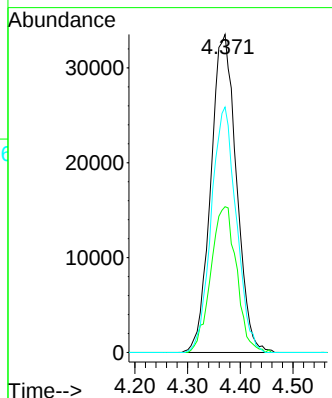
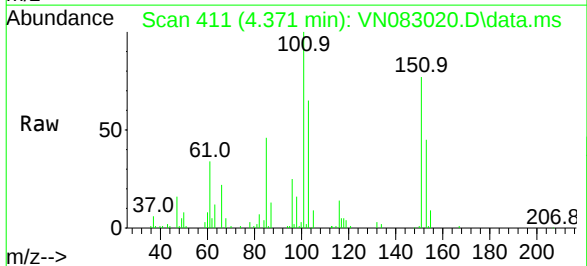
#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.085 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 113256
Ion Ratio Lower Upper
101 100
85 46.1 38.3 57.5
151 75.3 59.3 88.9

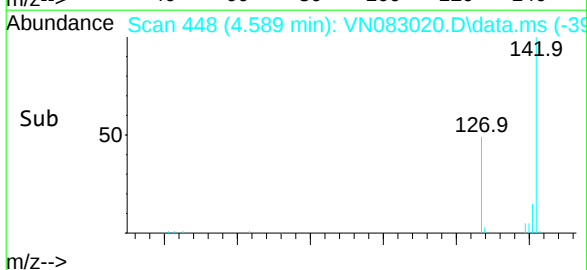
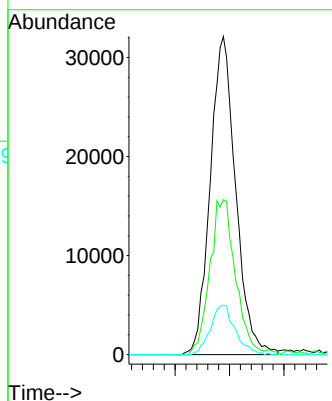
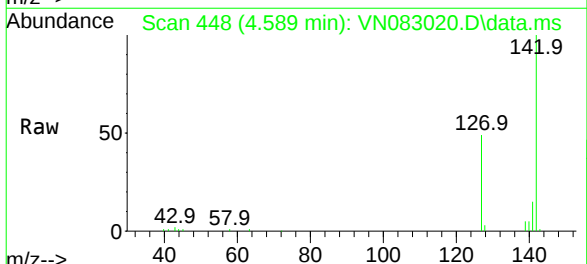
Manual Integrations
APPROVED

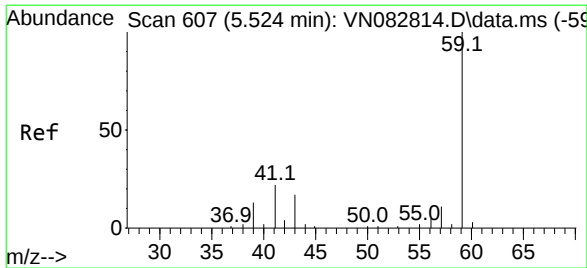
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#10
Methyl Iodide
Concen: 52.166 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:142 Resp: 104283
Ion Ratio Lower Upper
142 100
127 48.7 37.5 56.3
141 15.5 13.1 19.7





#11

Tert butyl alcohol

Concen: 252.761 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 110701

Ion Ratio Lower Upper

59 100

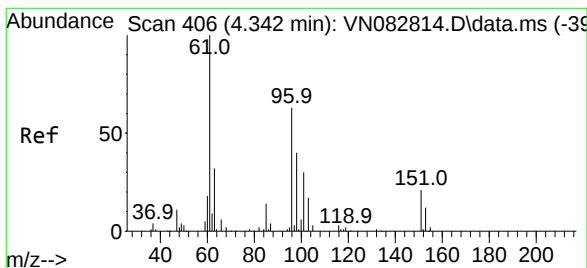
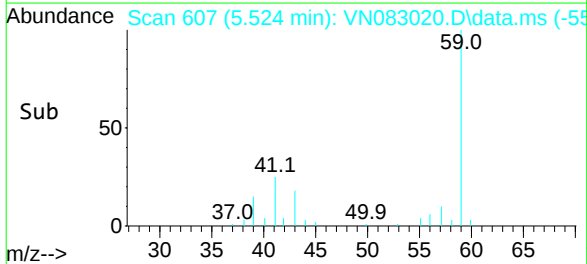
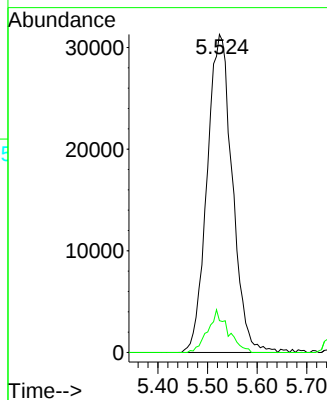
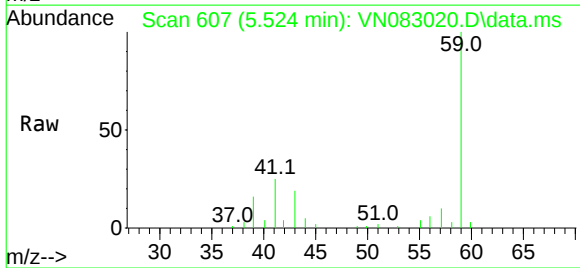
57 10.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#12

1,1-Dichloroethene

Concen: 51.204 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.005 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

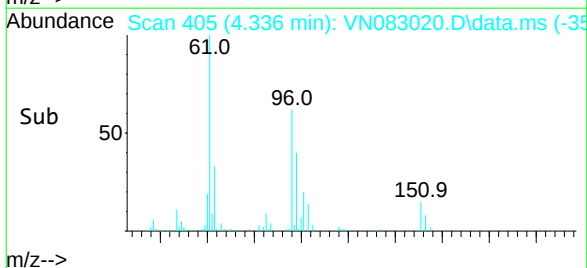
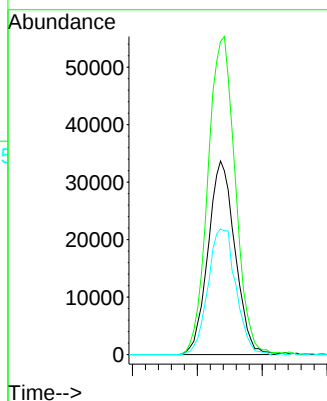
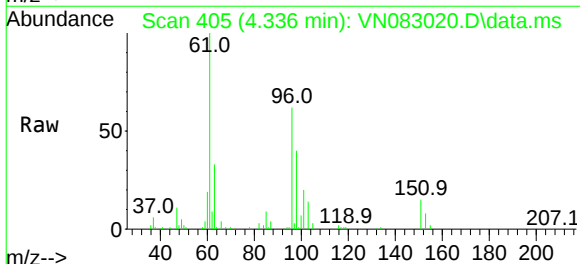
Tgt Ion: 96 Resp: 97096

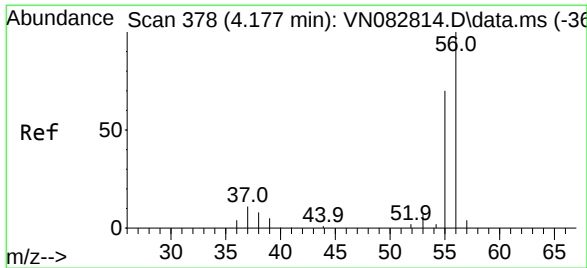
Ion Ratio Lower Upper

96 100

61 161.7 149.7 224.5

98 64.9 50.1 75.1





#13

Acrolein

Concen: 192.141 ug/l

RT: 4.177 min Scan# 37

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 60755

Ion Ratio Lower Upper

56 100

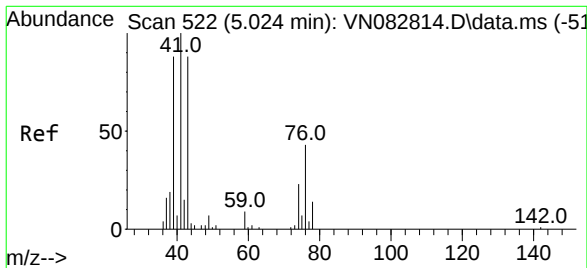
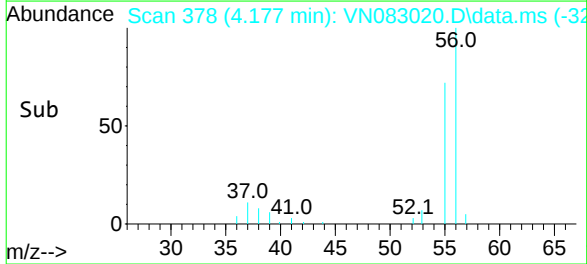
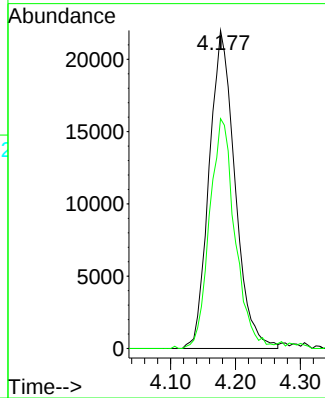
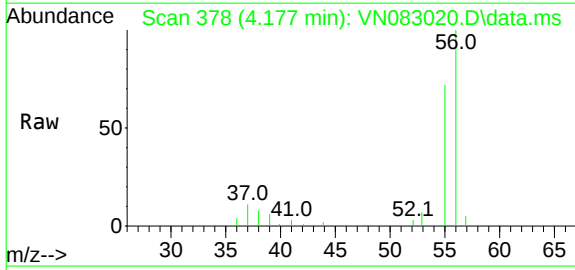
55 71.2 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#14

Allyl chloride

Concen: 47.181 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

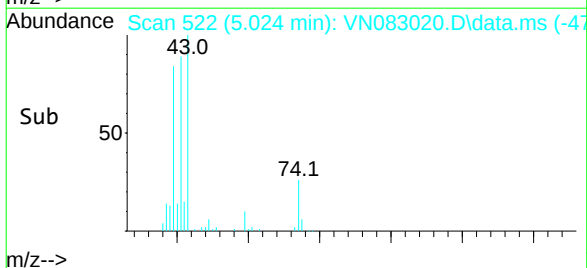
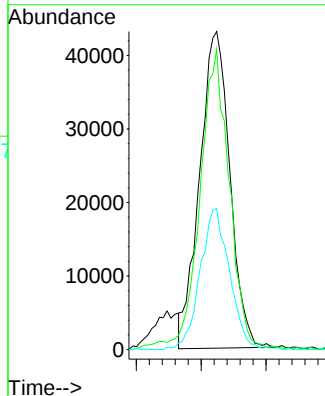
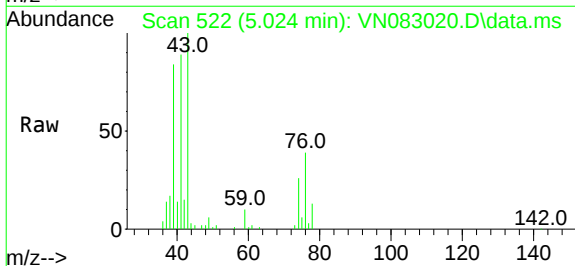
Tgt Ion: 41 Resp: 139498

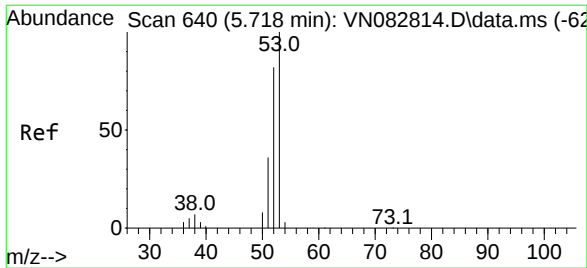
Ion Ratio Lower Upper

41 100

39 92.7 67.8 101.6

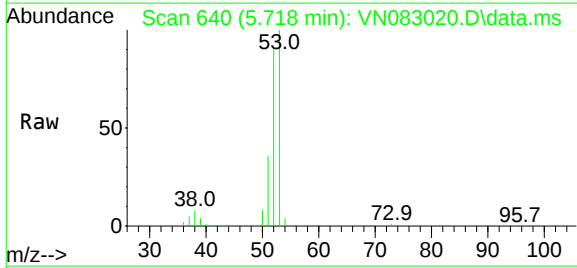
76 43.3 25.8 38.8#





#15
Acrylonitrile
Concen: 262.558 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

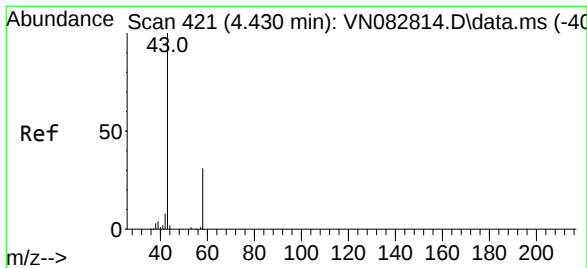
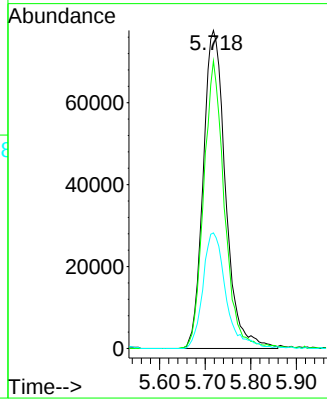
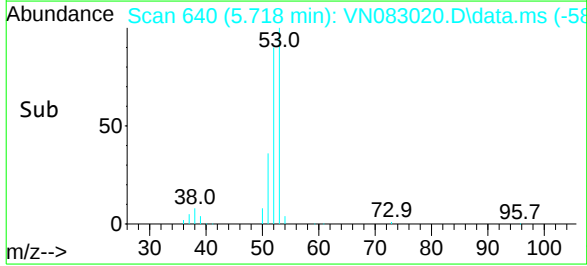
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



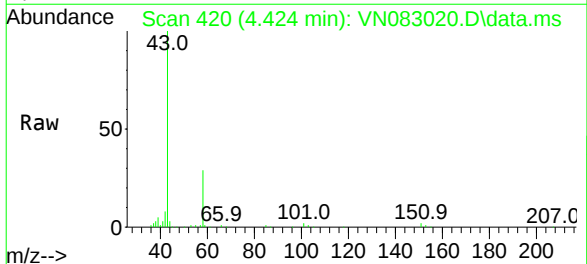
Tgt Ion: 53 Resp: 264269
Ion Ratio Lower Upper
53 100
52 83.8 66.6 100.0
51 37.5 30.1 45.1

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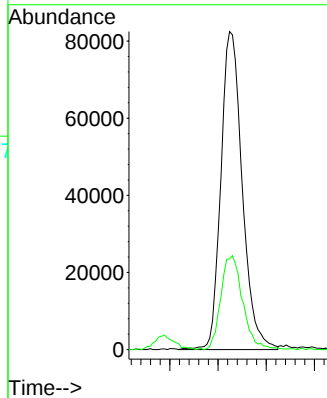
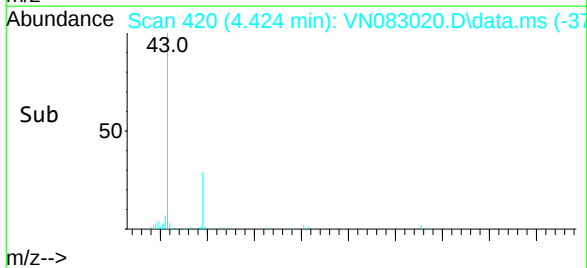
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024

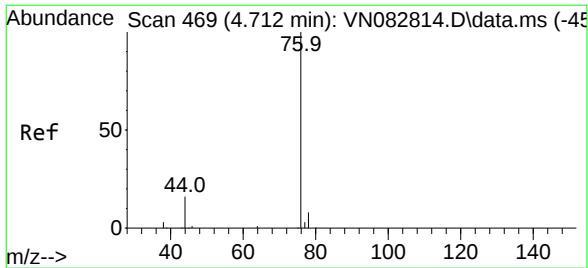


#16
Acetone
Concen: 276.553 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42



Tgt Ion: 43 Resp: 253538
Ion Ratio Lower Upper
43 100
58 28.0 21.8 32.6





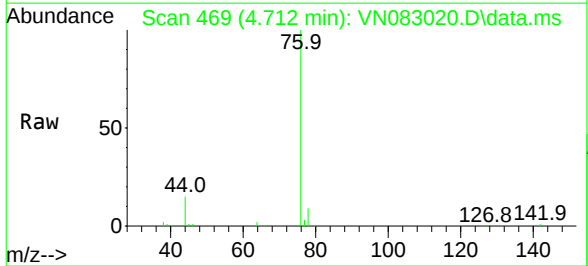
#17
Carbon Disulfide
Concen: 44.334 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

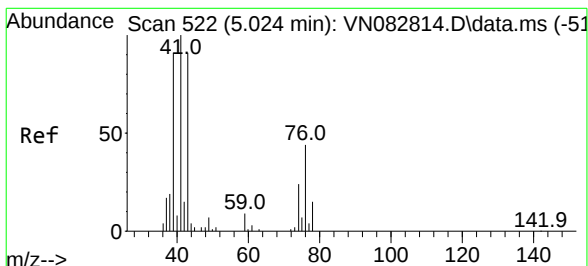
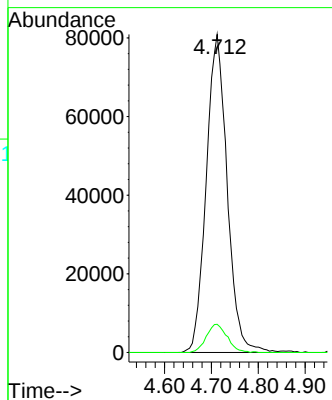
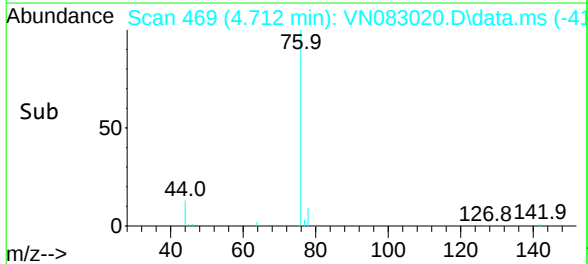
VSTDCCC050



Tgt Ion: 76 Resp: 251216
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

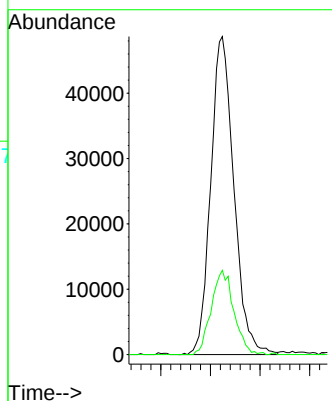
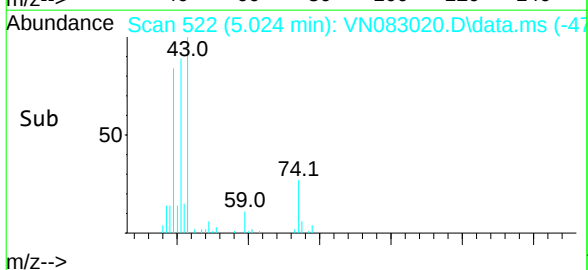
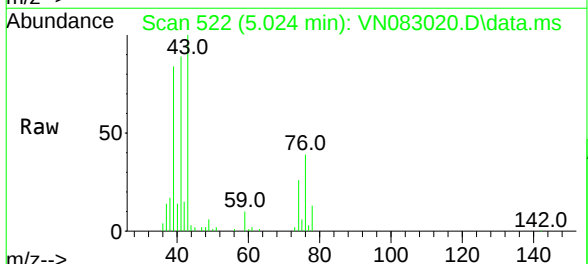
Manual Integrations
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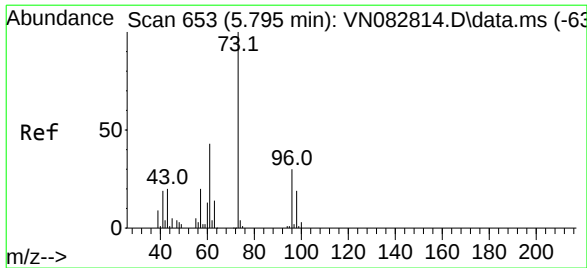
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#18
Methyl Acetate
Concen: 65.043 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 43 Resp: 157786
Ion Ratio Lower Upper
43 100
74 25.8 16.3 24.5#





#19

Methyl tert-butyl Ether

Concen: 55.269 ug/l

RT: 5.794 min Scan# 65

Delta R.T. -0.006 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 361528

Ion Ratio Lower Upper

73 100

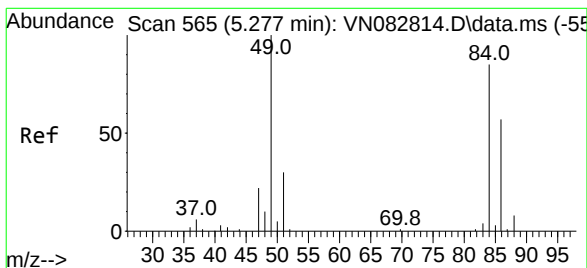
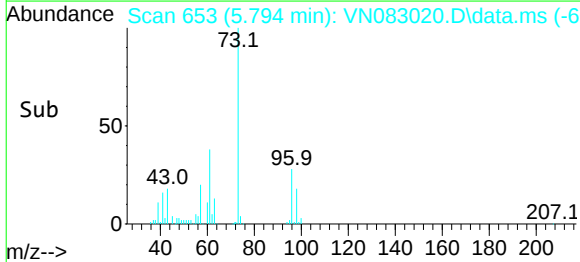
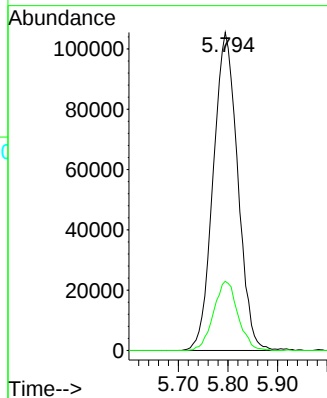
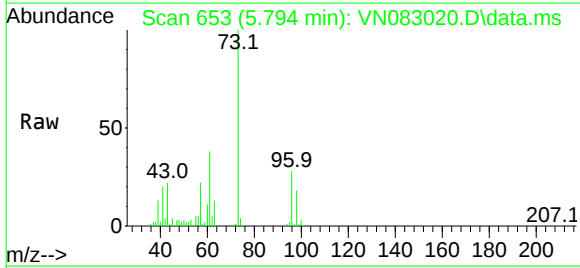
57 21.8 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#20

Methylene Chloride

Concen: 54.673 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Tgt Ion: 84 Resp: 121048

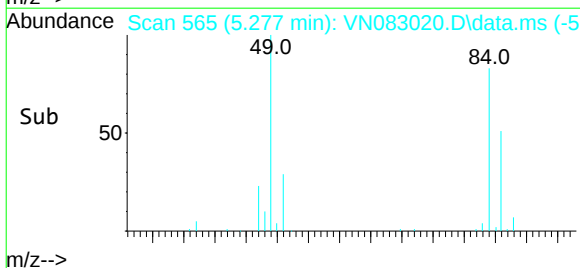
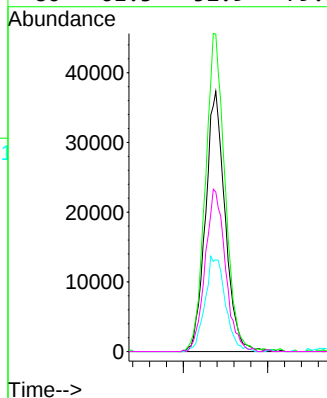
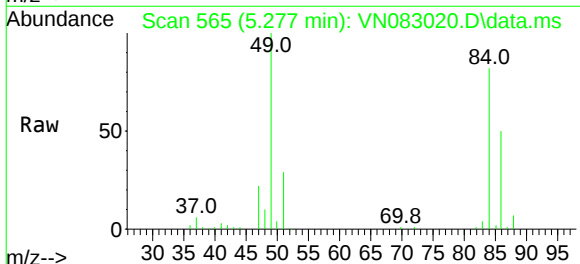
Ion Ratio Lower Upper

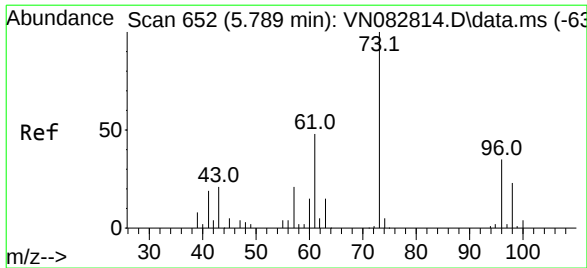
84 100

49 122.0 119.6 179.4

51 35.3 34.8 52.2

86 61.3 52.9 79.3





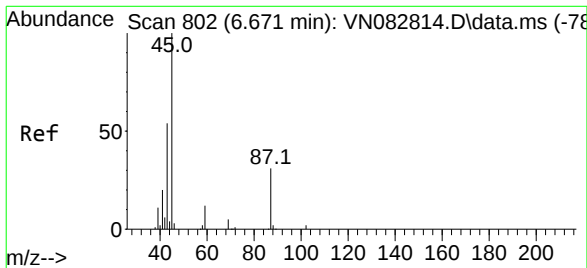
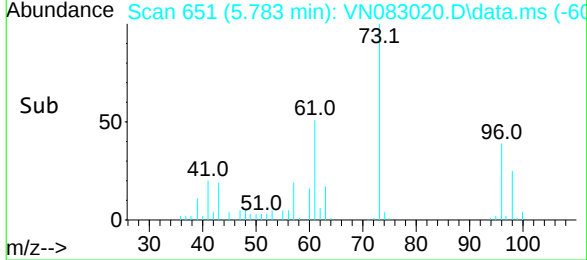
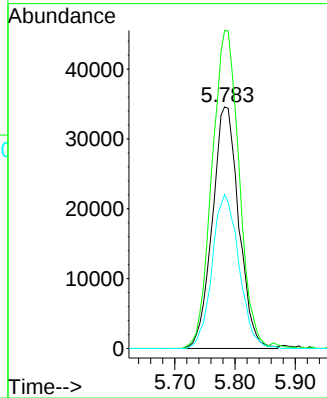
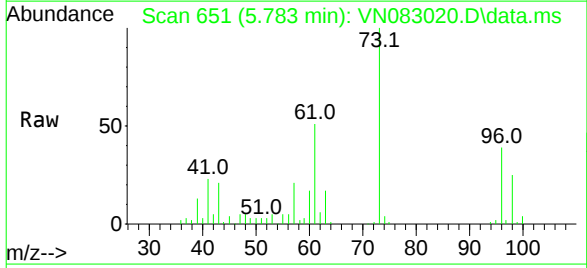
#21
trans-1,2-Dichloroethene
Concen: 51.436 ug/l
RT: 5.783 min Scan# 652
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 105684
Ion Ratio Lower Upper
96 100
61 131.6 123.4 185.2
98 63.7 49.3 73.9

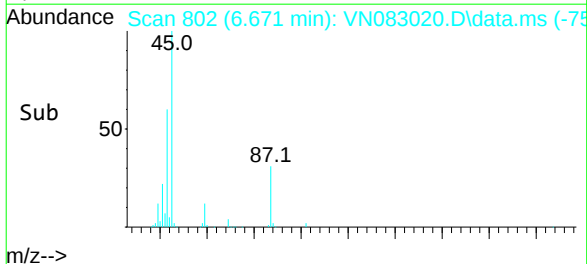
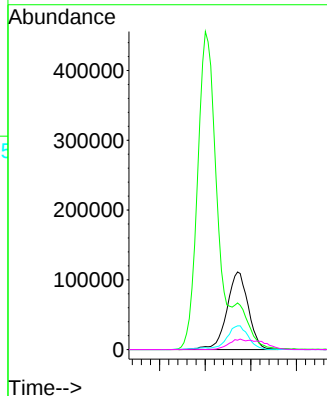
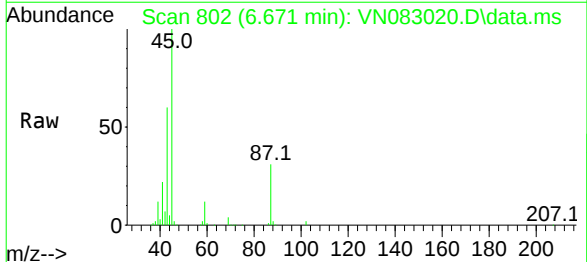
Manual Integrations
APPROVED

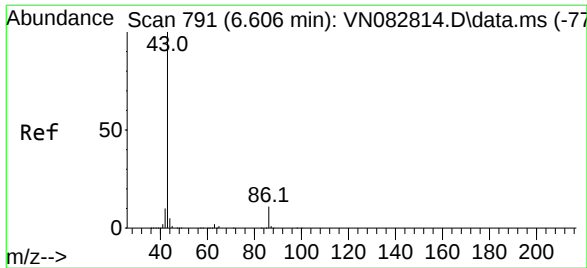
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#22
Diisopropyl ether
Concen: 58.461 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 45 Resp: 361619
Ion Ratio Lower Upper
45 100
43 58.9 44.0 66.0
87 30.5 19.7 29.5#
59 11.9 8.5 12.7





#23
 Vinyl Acetate
 Concen: 268.425 ug/l
 RT: 6.600 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: VN083020.D
 Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

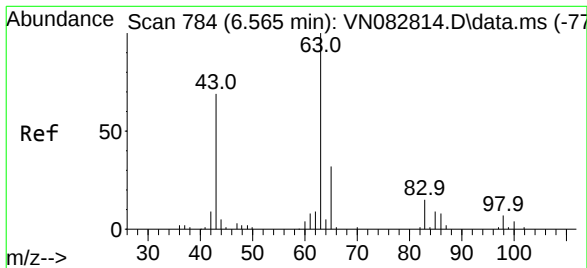
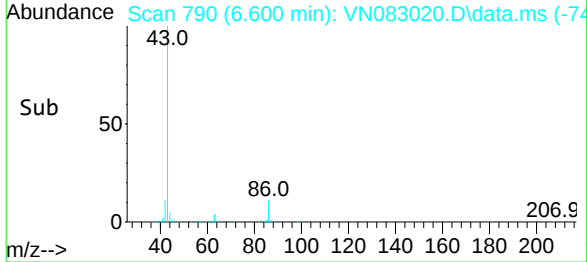
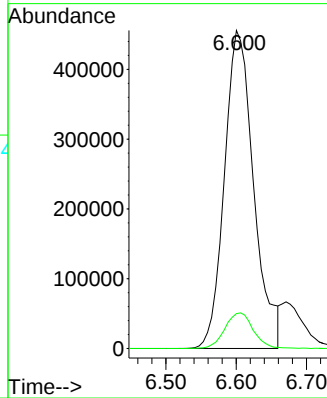
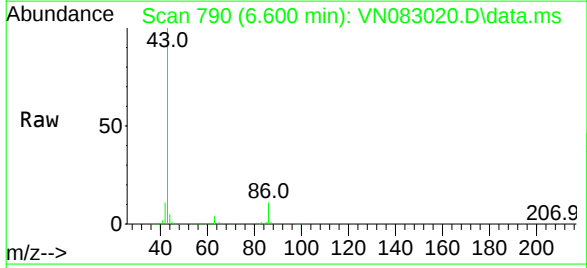
VSTDCCC050

Tgt Ion: 43 Resp: 1318558
 Ion Ratio Lower Upper
 43 100
 86 11.0 7.3 10.9#

Manual Integrations

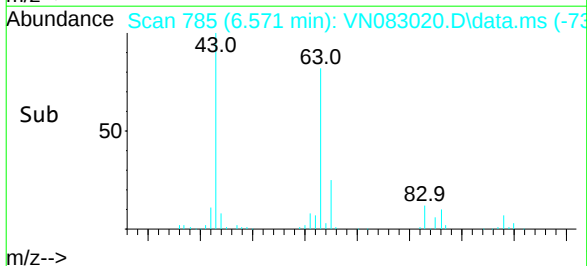
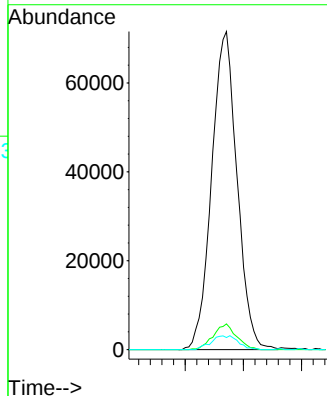
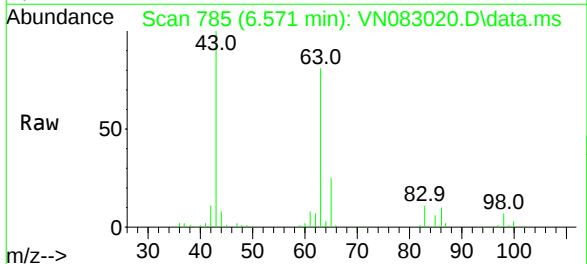
APPROVED

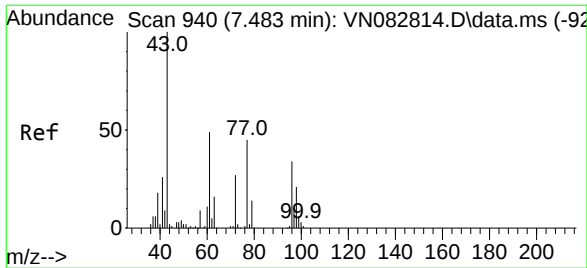
Reviewed By :John Carlone 07/25/2024
 Supervised By :Mahesh Dadoda 07/25/2024



#24
 1,1-Dichloroethane
 Concen: 57.860 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN083020.D
 Acq: 24 Jul 2024 09:42

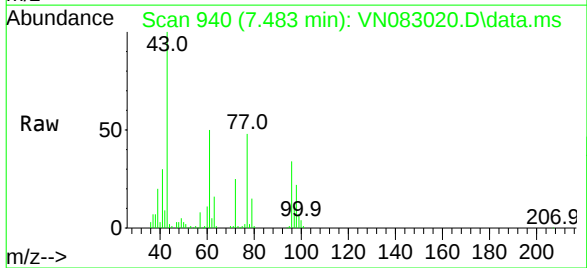
Tgt Ion: 63 Resp: 217095
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.3 9.9
 100 3.8 2.0 6.0





#25
2-Butanone
Concen: 261.627 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

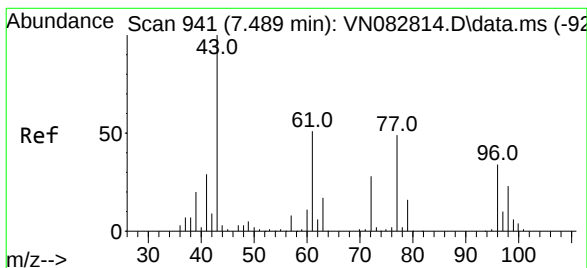
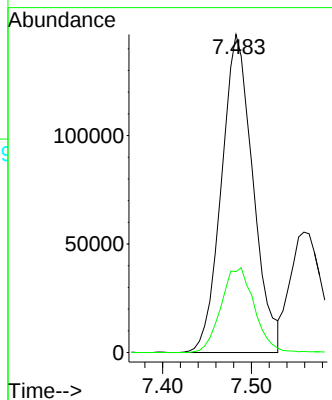
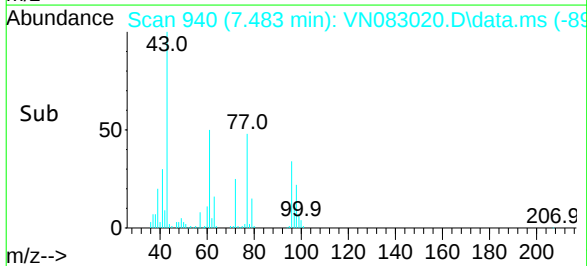
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



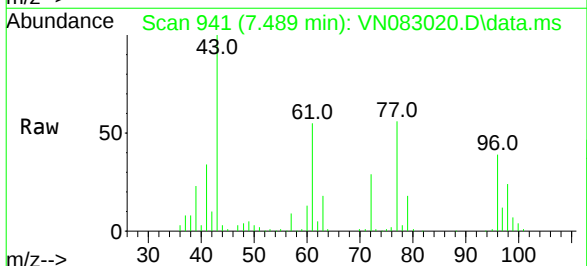
Tgt Ion: 43 Resp: 362167
Ion Ratio Lower Upper
43 100
72 25.5 18.2 27.2

Manual Integrations
APPROVED

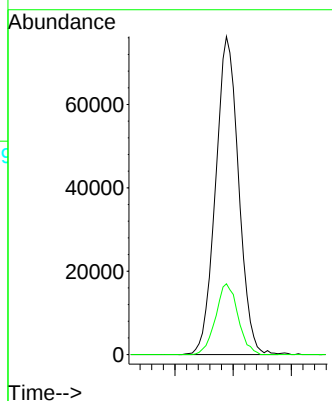
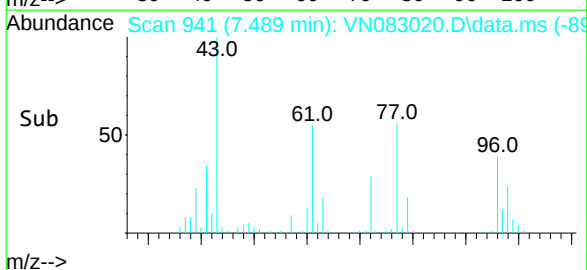
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024

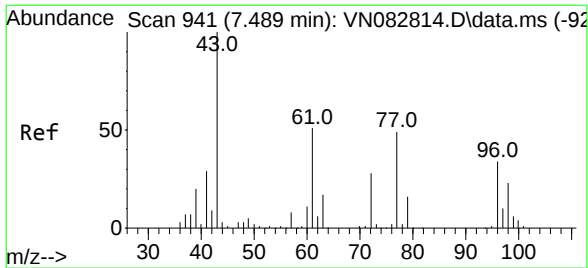


#26
2,2-Dichloropropane
Concen: 60.139 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42



Tgt Ion: 77 Resp: 209799
Ion Ratio Lower Upper
77 100
97 21.6 10.3 30.9





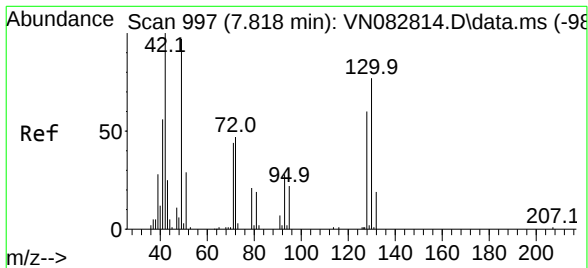
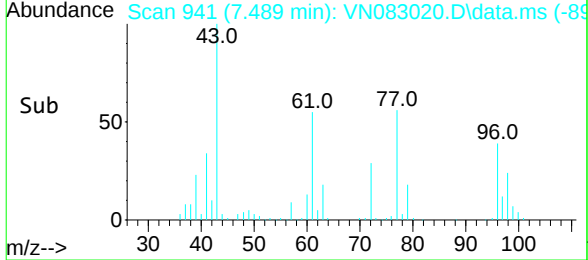
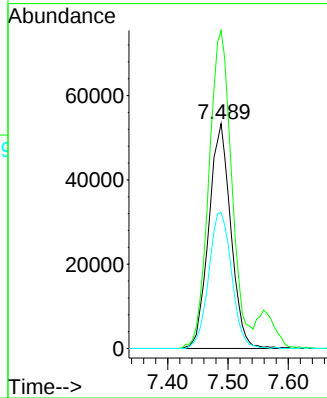
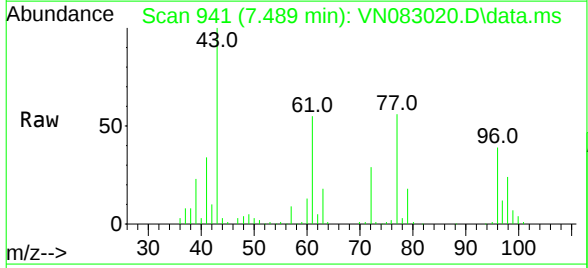
#27
cis-1,2-Dichloroethene
Concen: 56.330 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 135502
Ion Ratio Lower Upper
96 100
61 146.5 0.0 329.6
98 63.1 0.0 128.6

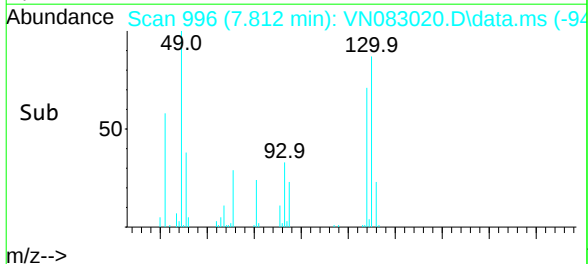
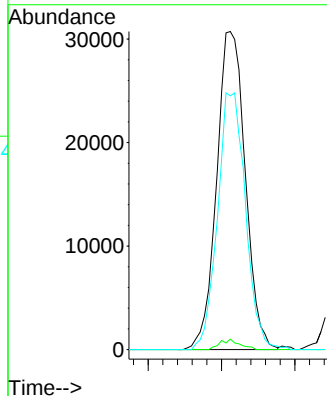
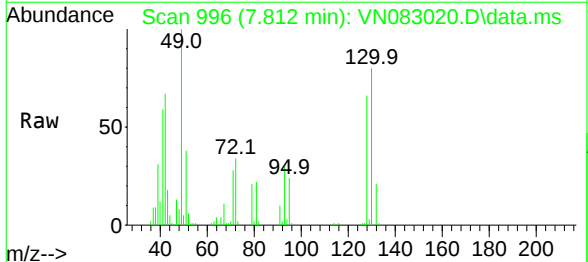
Manual Integrations
APPROVED

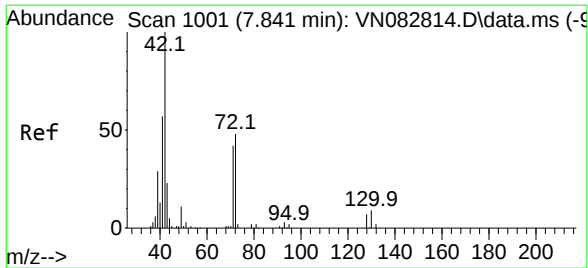
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#28
Bromochloromethane
Concen: 51.690 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 49 Resp: 83200
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.8
130 78.9 50.5 75.7#





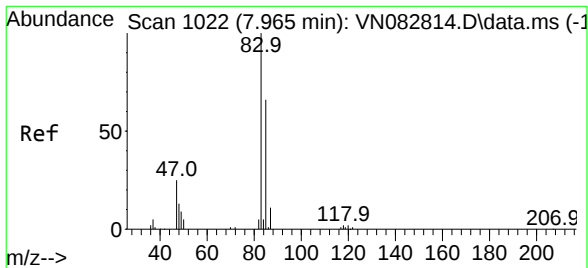
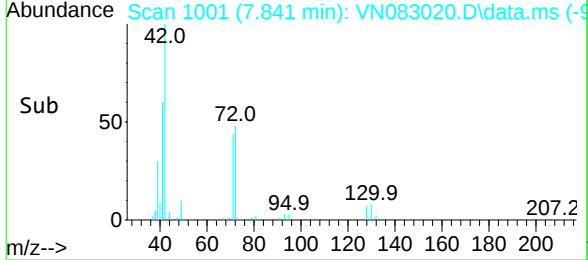
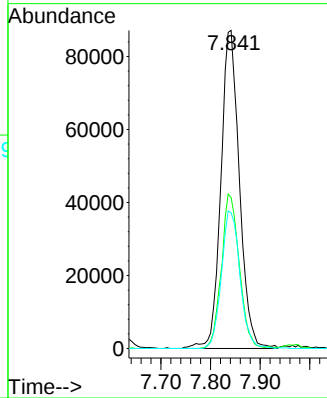
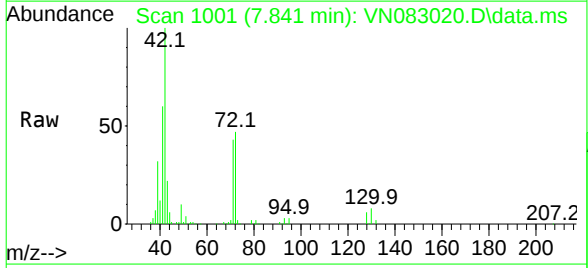
#29
Tetrahydrofuran
Concen: 259.648 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 226279
Ion Ratio Lower Upper
42 100
72 46.9 30.0 45.0#
71 43.2 28.3 42.5#

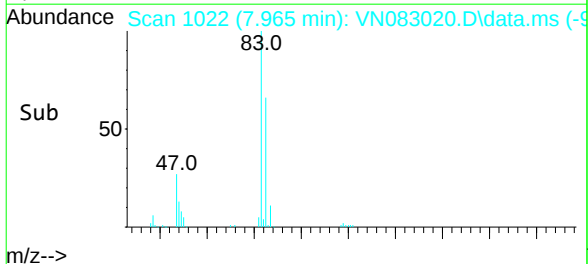
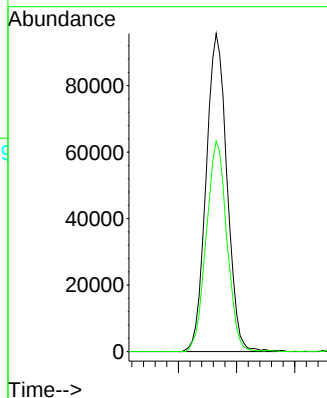
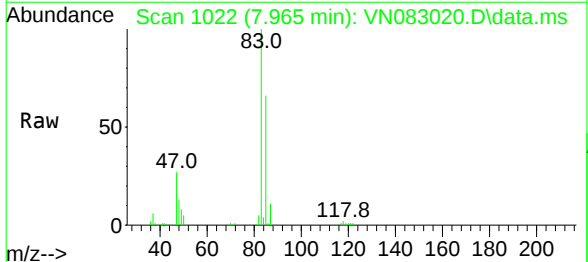
Manual Integrations
APPROVED

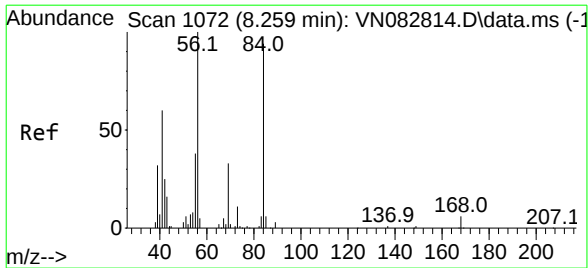
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#30
Chloroform
Concen: 59.886 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 83 Resp: 238372
Ion Ratio Lower Upper
83 100
85 66.2 50.9 76.3





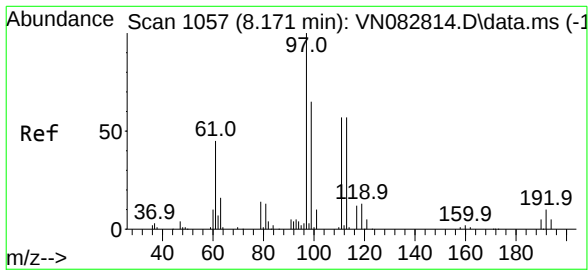
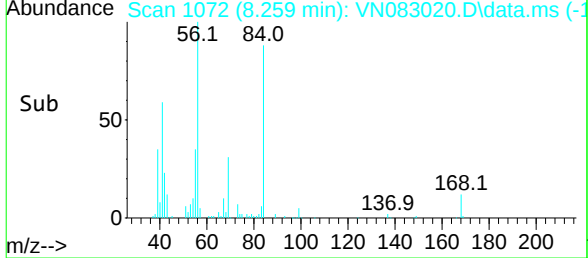
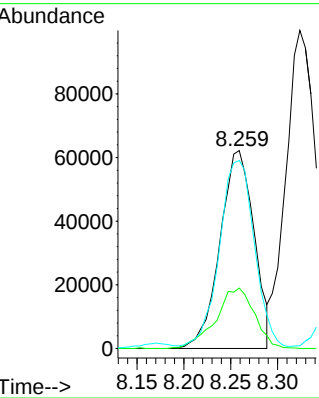
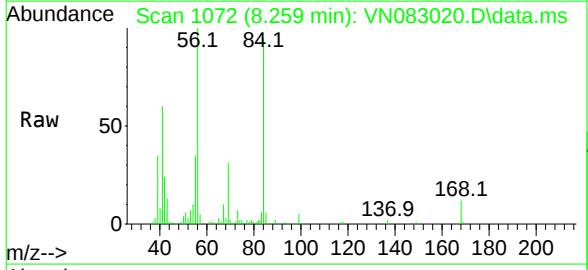
#31
Cyclohexane
Concen: 46.231 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	56	Resp:	157386
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.5	36.7
84	93.0	66.0	99.0

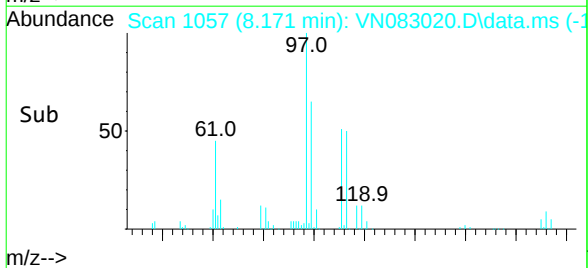
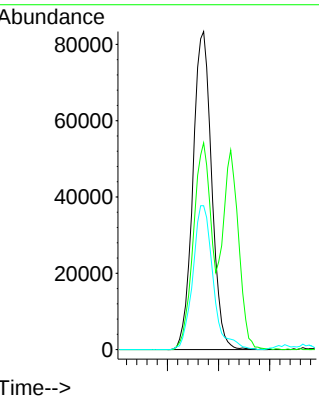
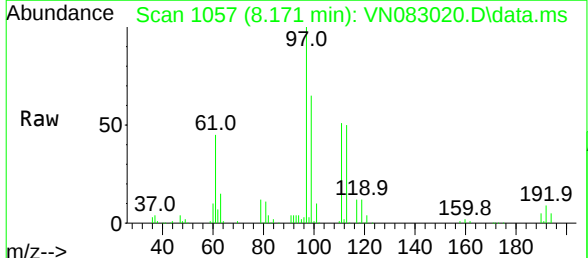
Manual Integrations
APPROVED

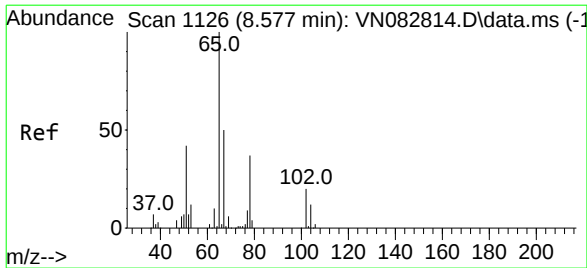
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#32
1,1,1-Trichloroethane
Concen: 57.468 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

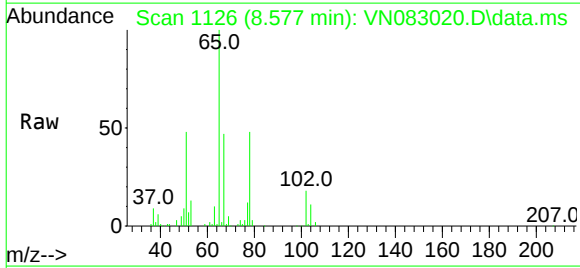
Tgt Ion:	97	Resp:	212382
Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.0	78.0
61	48.9	42.1	63.1





#33
1,2-Dichloroethane-d4
Concen: 47.177 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

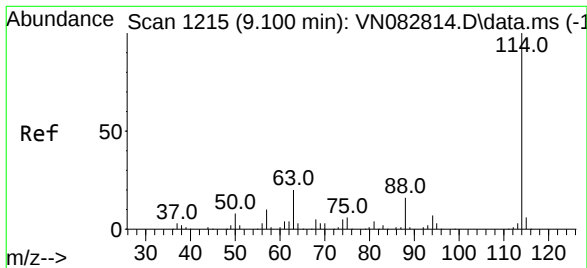
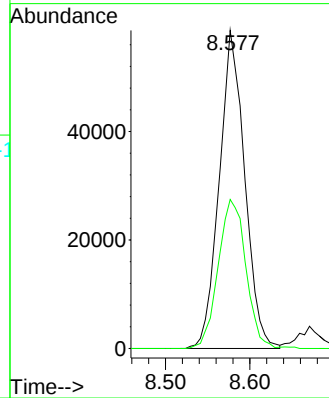
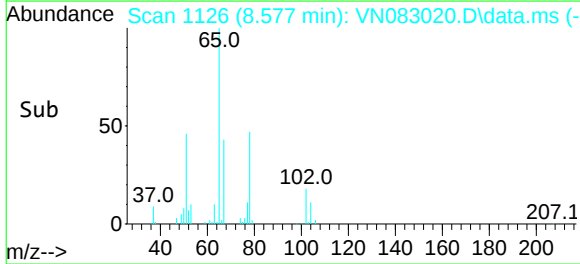
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



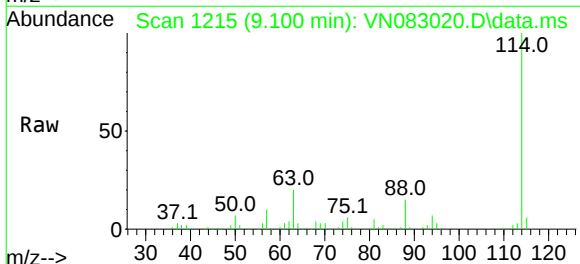
Tgt Ion: 65 Resp: 122847
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.4

Manual Integrations
APPROVED

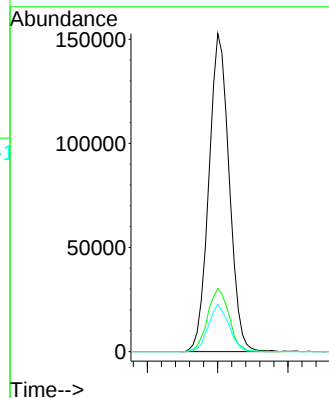
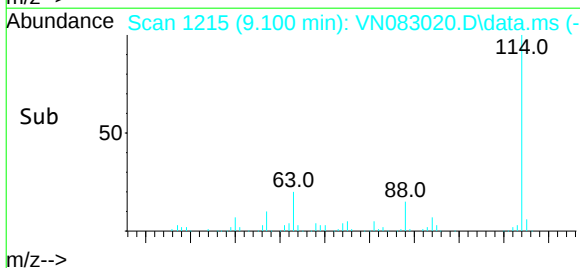
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024

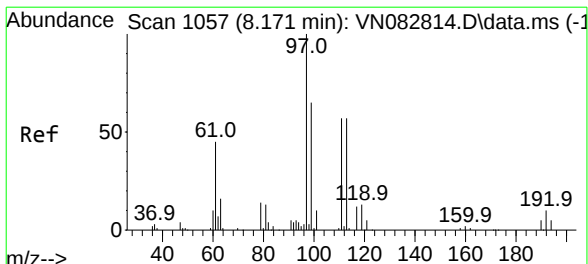


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42



Tgt Ion:114 Resp: 306610
Ion Ratio Lower Upper
114 100
63 19.8 0.0 44.6
88 14.9 0.0 31.4





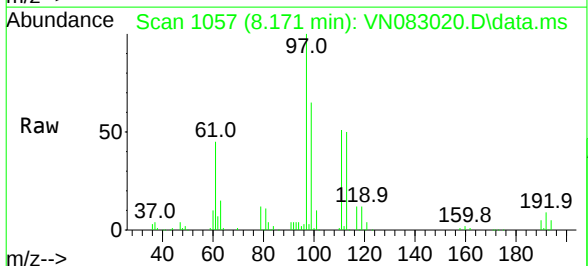
#35
 Dibromofluoromethane
 Concen: 49.614 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN083020.D
 Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

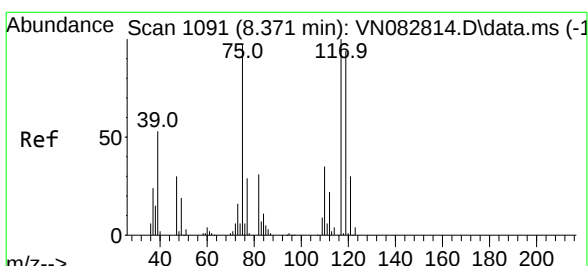
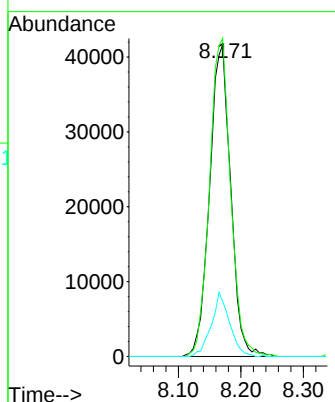
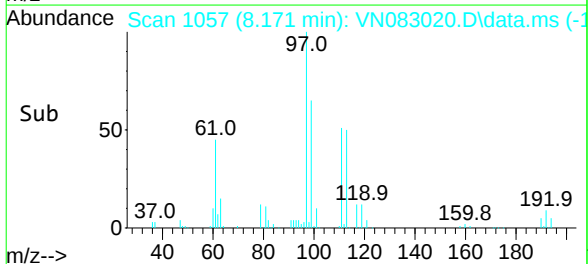


Tgt Ion:	113	Resp:	97613
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	17.8	14.9	22.3

Manual Integrations

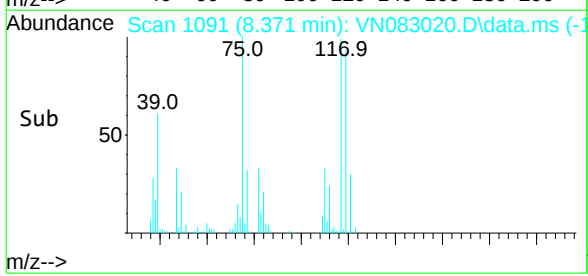
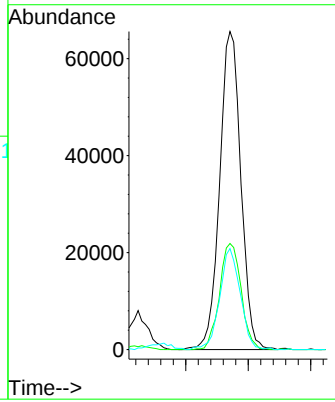
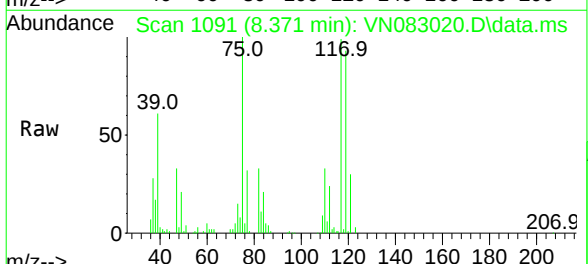
APPROVED

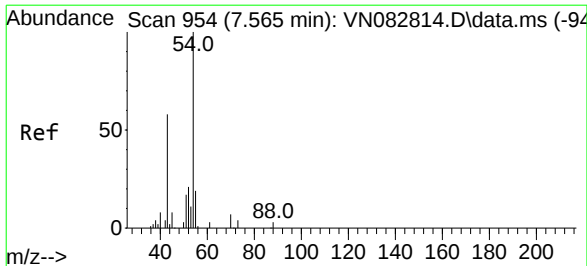
Reviewed By :John Carlone 07/25/2024
 Supervised By :Mahesh Dadoda 07/25/2024



#36
 1,1-Dichloropropene
 Concen: 56.959 ug/l
 RT: 8.371 min Scan# 1091
 Delta R.T. -0.000 min
 Lab File: VN083020.D
 Acq: 24 Jul 2024 09:42

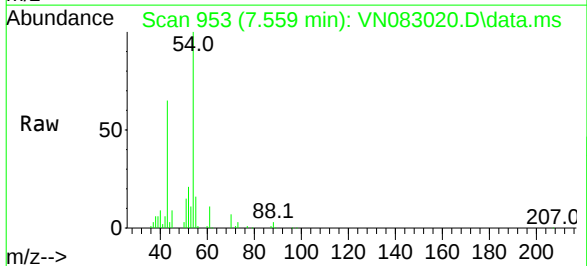
Tgt Ion:	75	Resp:	154507
Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.3	48.9
77	30.9	24.6	37.0





#37
Ethyl Acetate
Concen: 51.675 ug/l
RT: 7.559 min Scan# 954
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

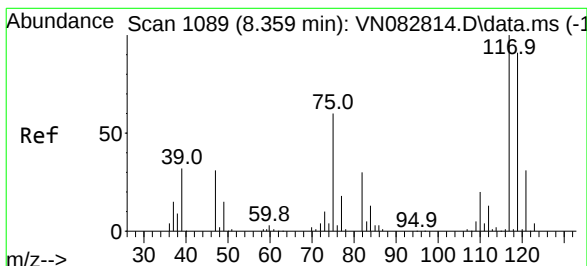
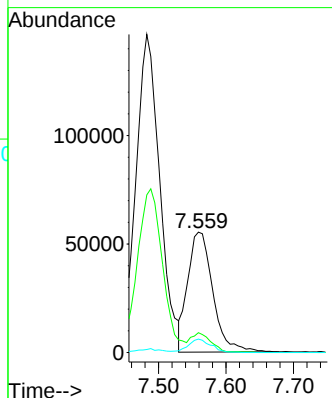
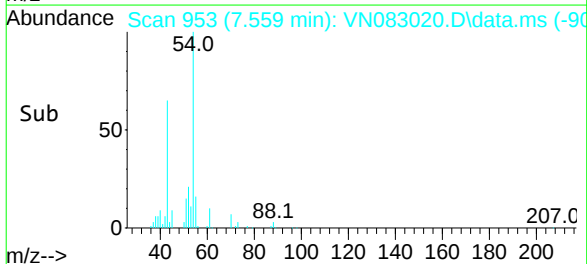
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 142710
Ion Ratio Lower Upper
43 100
61 13.3 9.3 13.9
70 10.1 7.0 10.6

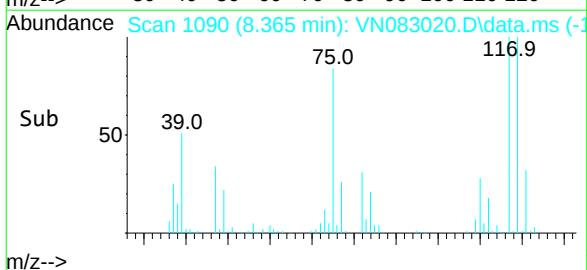
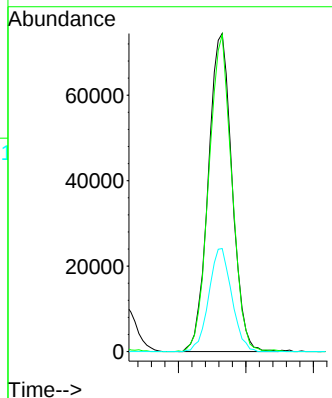
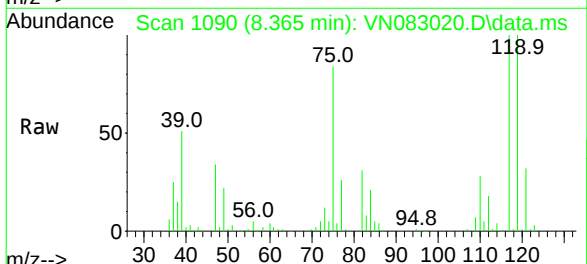
Manual Integrations
APPROVED

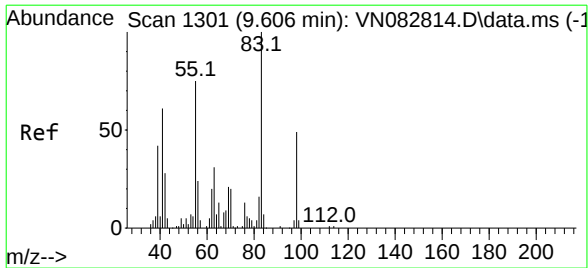
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#38
Carbon Tetrachloride
Concen: 55.649 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:117 Resp: 181753
Ion Ratio Lower Upper
117 100
119 99.4 74.9 112.3
121 32.4 24.3 36.5





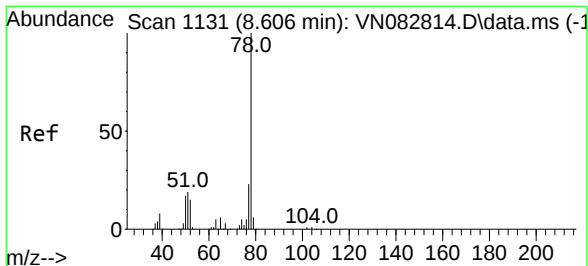
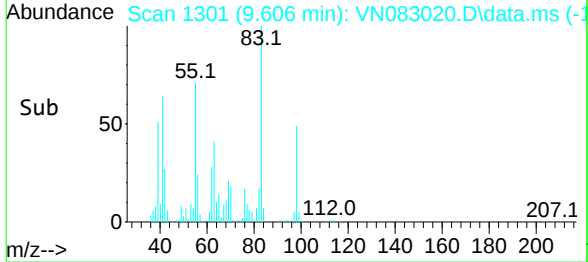
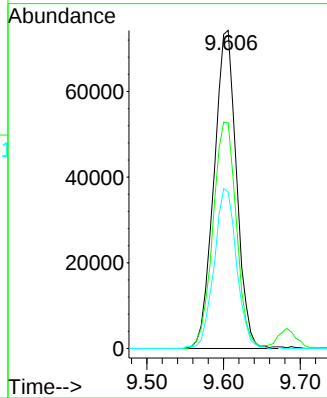
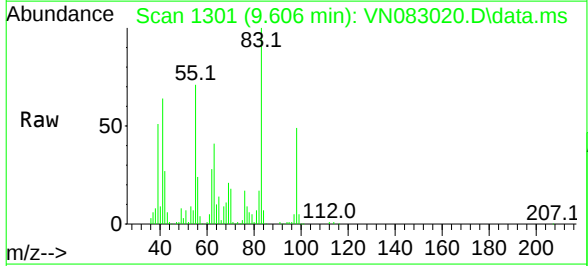
#39
Methylcyclohexane
Concen: 51.786 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.0	66.4	99.6
98	49.1	40.7	61.1

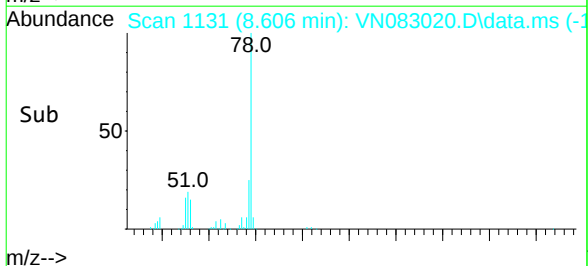
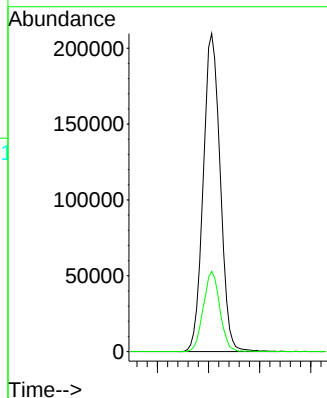
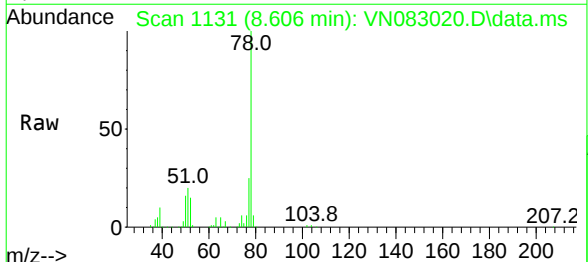
Manual Integrations
APPROVED

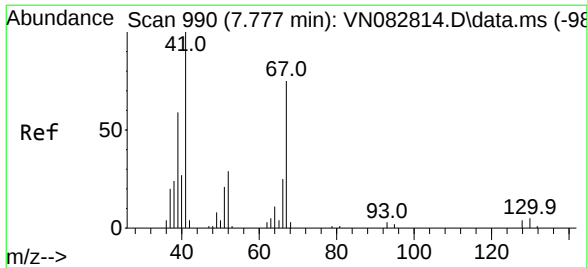
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#40
Benzene
Concen: 57.920 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.0	28.4





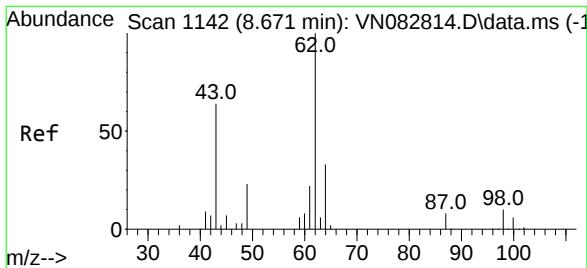
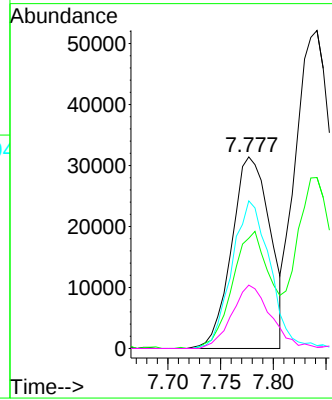
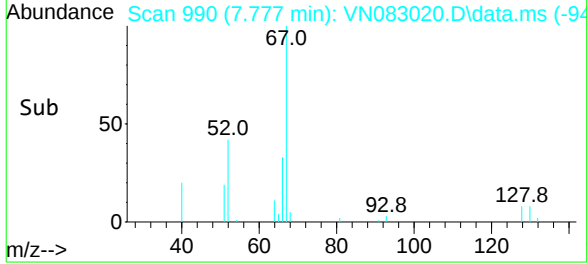
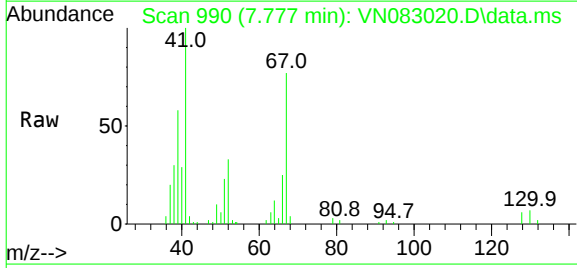
#41
Methacrylonitrile
Concen: 53.463 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	79543
Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.5	68.3
67	77.2	50.5	75.7
52	33.5	24.0	36.0

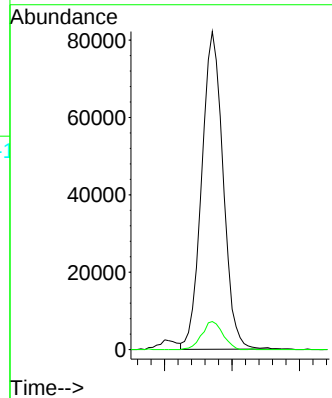
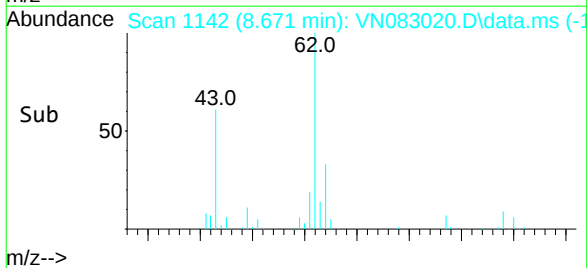
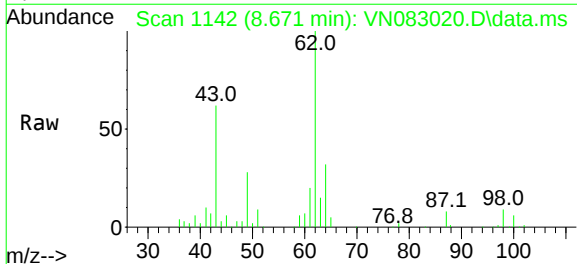
Manual Integrations
APPROVED

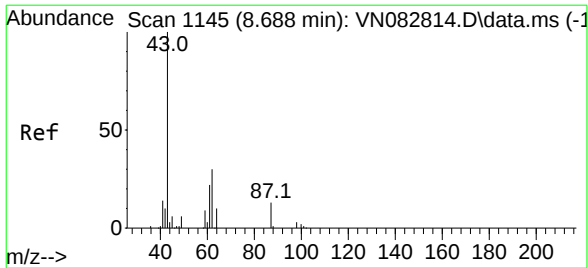
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#42
1,2-Dichloroethane
Concen: 60.255 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:	62	Resp:	180997
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8





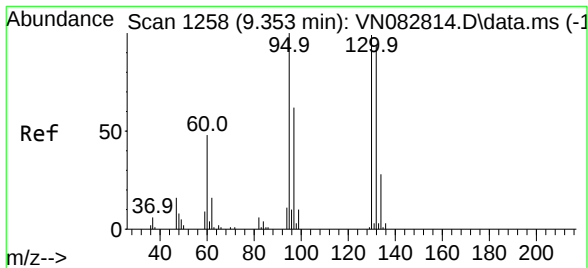
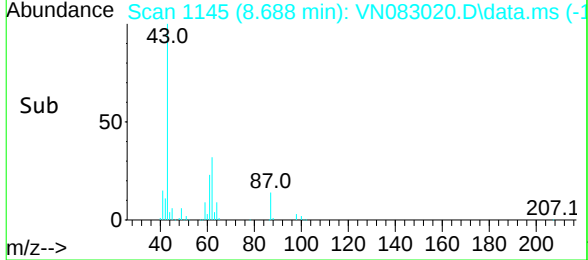
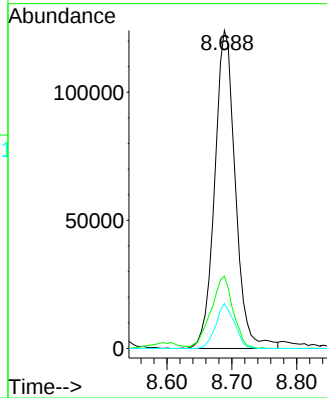
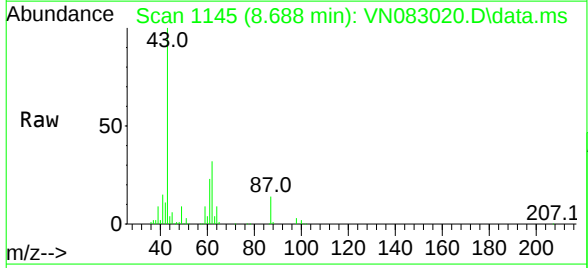
#43
Isopropyl Acetate
Concen: 52.847 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 274310
Ion Ratio Lower Upper
43 100
61 24.3 17.8 26.6
87 12.6 8.2 12.2

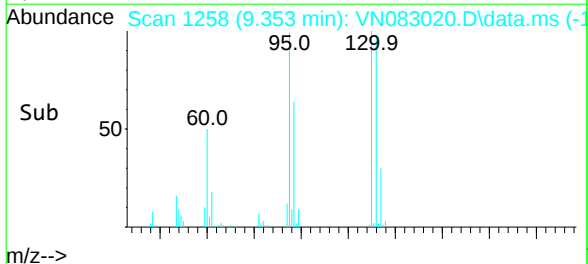
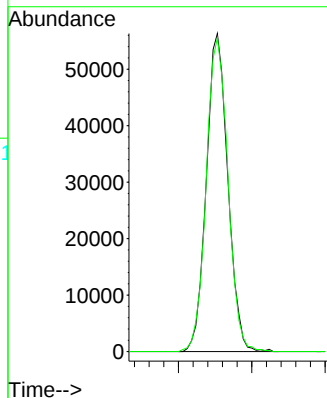
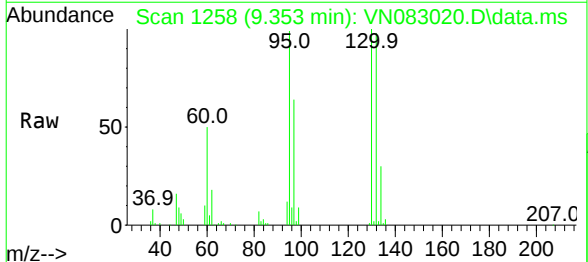
Manual Integrations
APPROVED

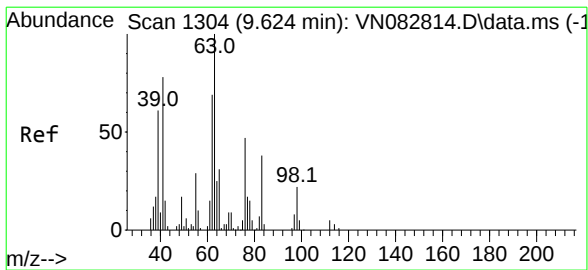
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#44
Trichloroethene
Concen: 53.593 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:130 Resp: 114565
Ion Ratio Lower Upper
130 100
95 98.6 0.0 197.8





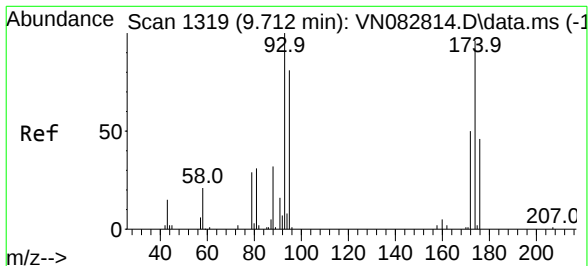
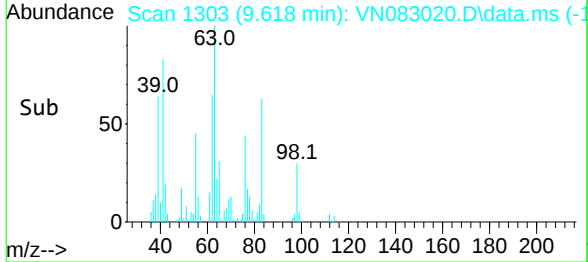
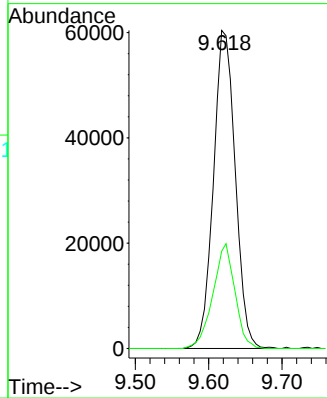
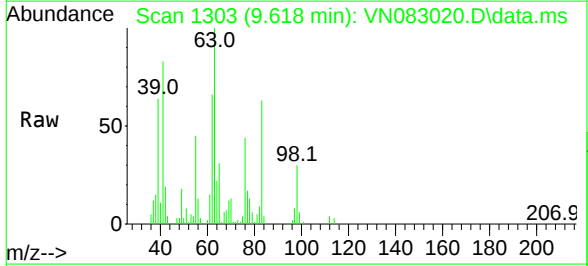
#45
1,2-Dichloropropane
Concen: 64.175 ug/l
RT: 9.618 min Scan# 1304
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 125014
Ion Ratio Lower Upper
63 100
65 30.6 24.4 36.6

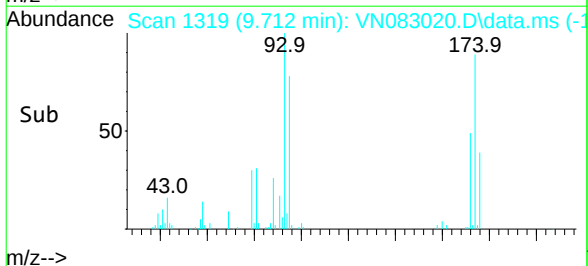
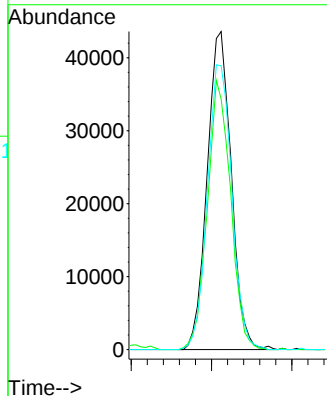
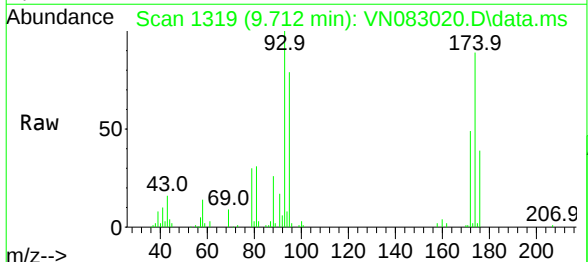
Manual Integrations
APPROVED

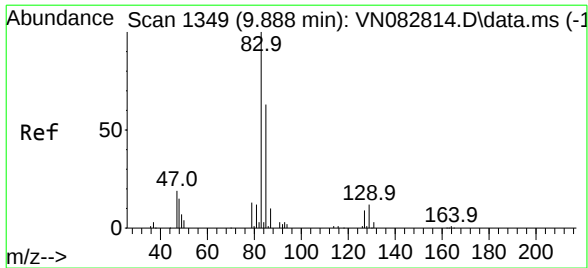
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#46
Dibromomethane
Concen: 59.883 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 93 Resp: 90879
Ion Ratio Lower Upper
93 100
95 81.9 65.8 98.6
174 90.9 71.7 107.5





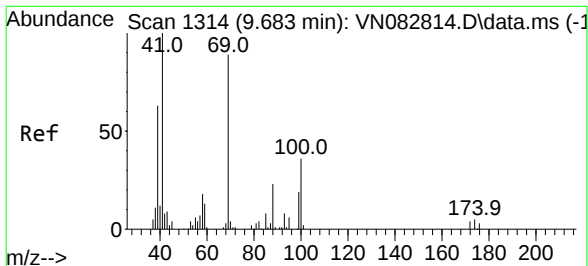
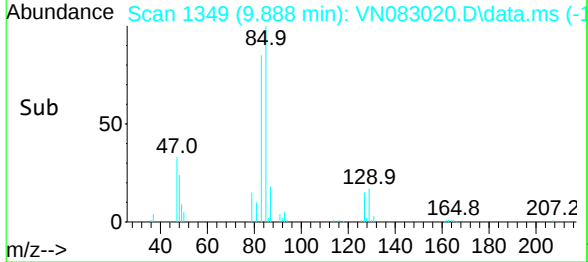
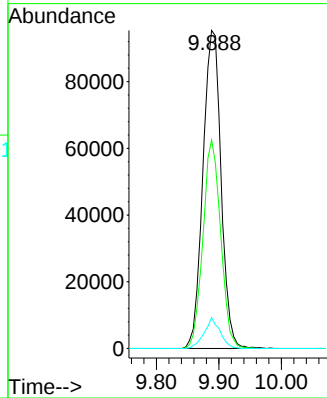
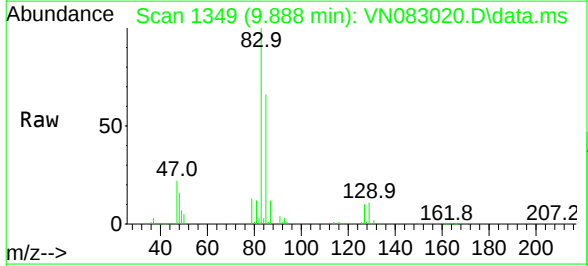
#47
Bromodichloromethane
Concen: 61.256 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	83	Resp:	192080
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.1	76.7
127	9.7	7.2	10.8

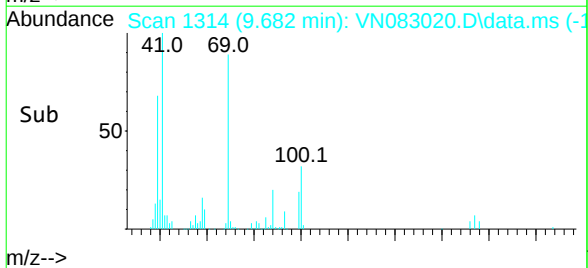
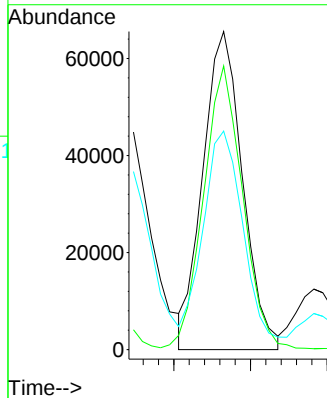
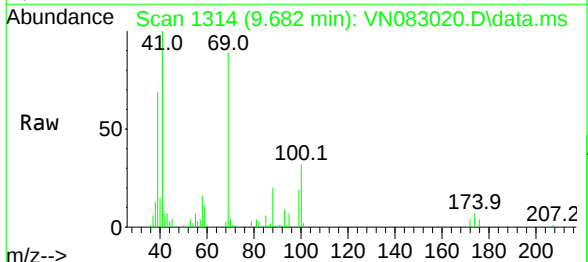
Manual Integrations
APPROVED

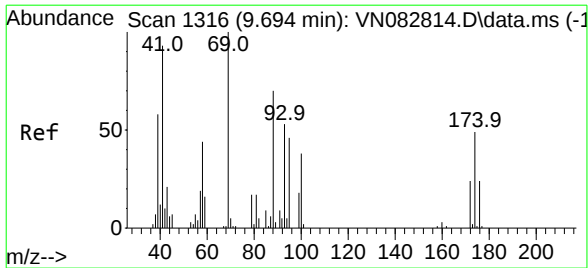
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#48
Methyl methacrylate
Concen: 54.424 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

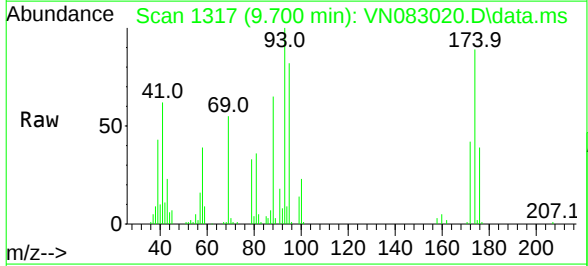
Tgt Ion:	41	Resp:	117852
Ion Ratio	Lower	Upper	
41	100		
69	87.4	56.3	84.5
39	71.2	50.3	75.5





#49
1,4-Dioxane
Concen: 944.553 ug/l
RT: 9.700 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

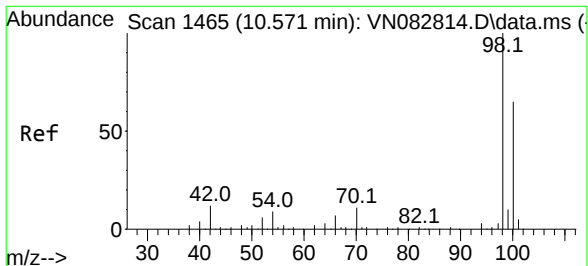
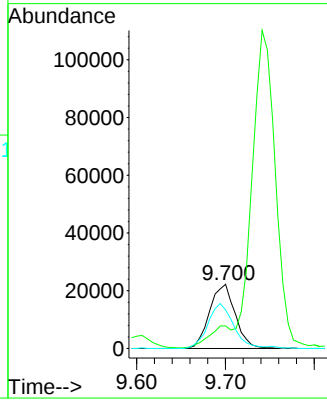
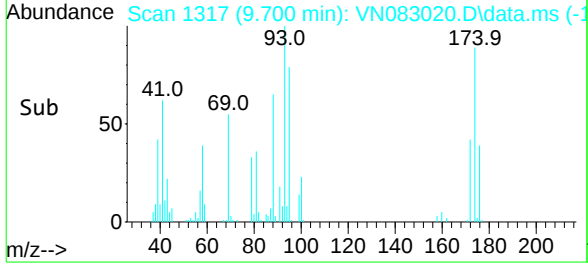
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 88 Resp: 44550
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 71.4 59.4 89.0

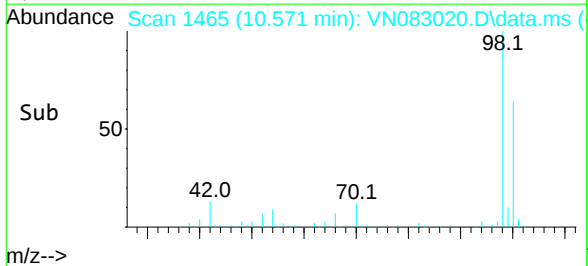
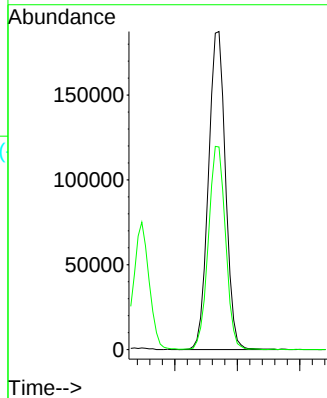
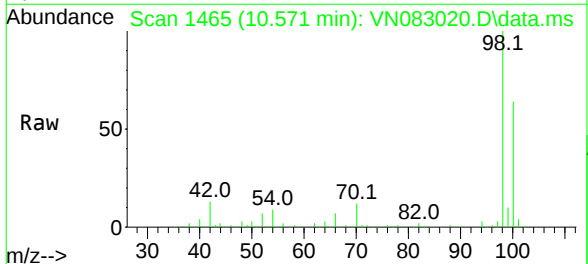
Manual Integrations
APPROVED

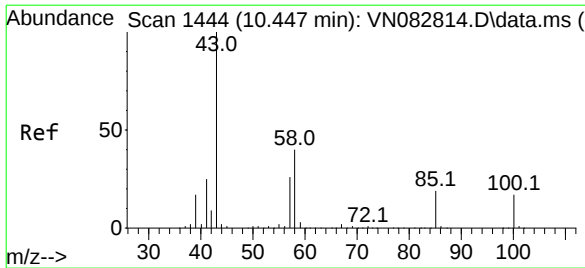
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#50
Toluene-d8
Concen: 48.949 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 98 Resp: 355697
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3





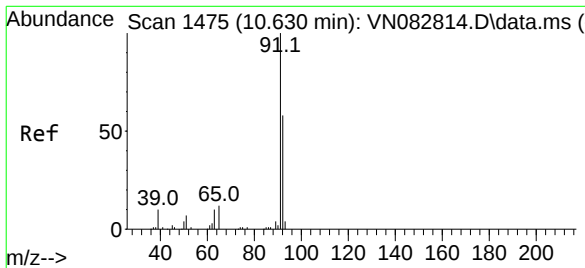
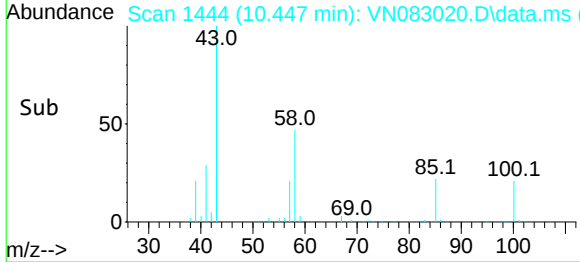
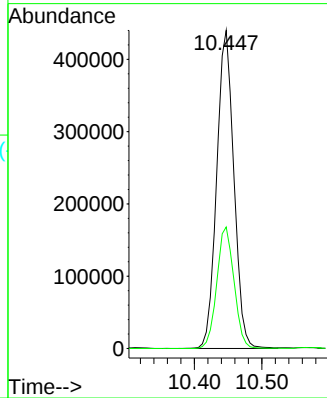
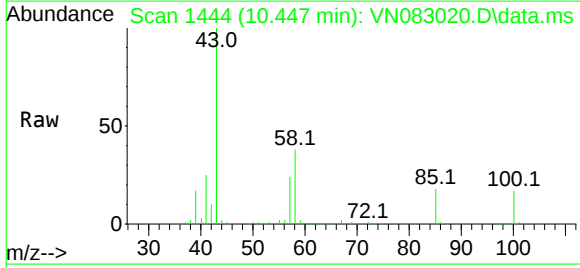
#51
4-Methyl-2-Pentanone
Concen: 284.031 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 777636
Ion Ratio Lower Upper
43 100
58 38.3 28.2 42.4

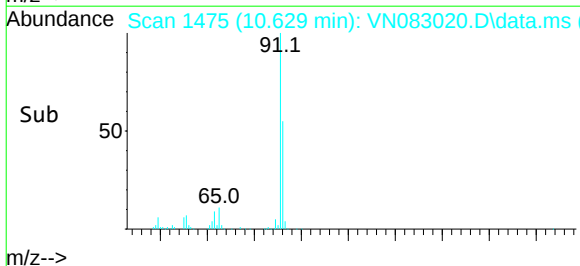
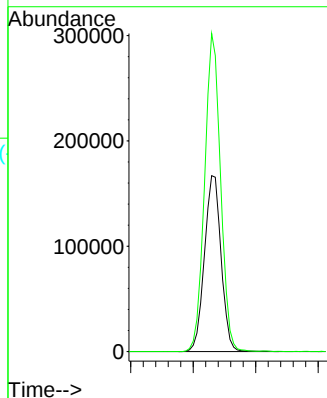
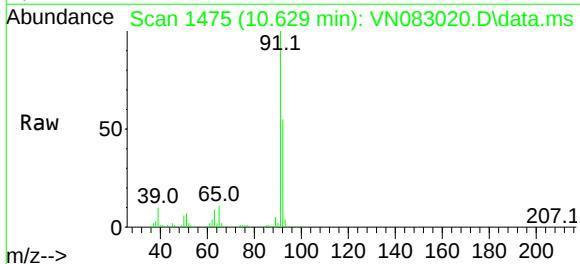
Manual Integrations
APPROVED

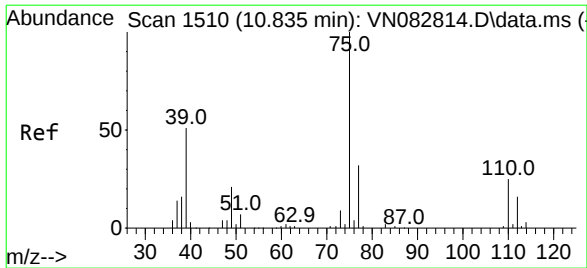
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#52
Toluene
Concen: 59.243 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 92 Resp: 308788
Ion Ratio Lower Upper
92 100
91 173.2 139.4 209.0





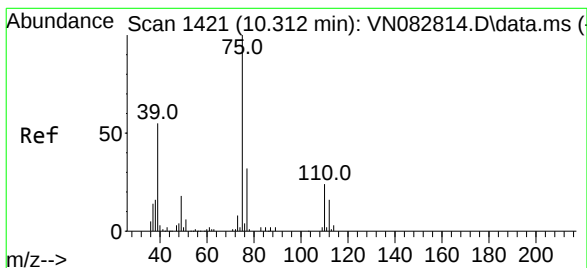
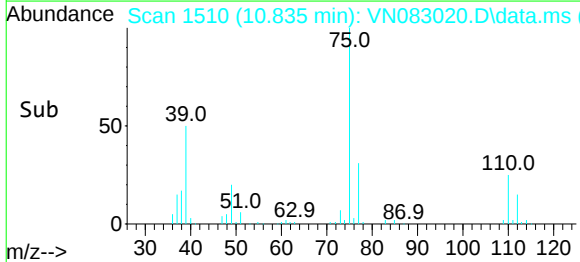
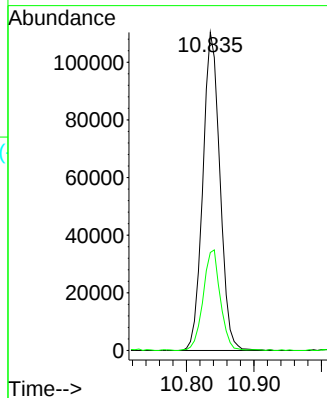
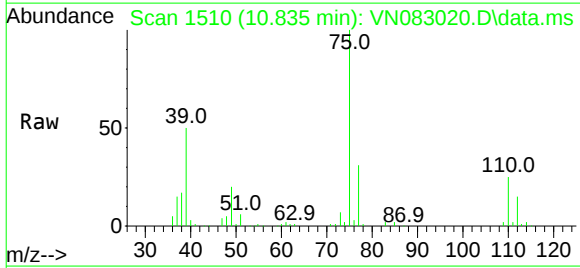
#53
t-1,3-Dichloropropene
Concen: 60.033 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 193926
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5

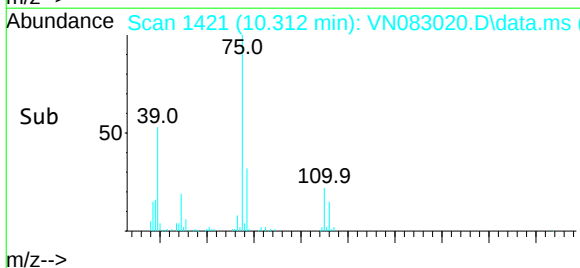
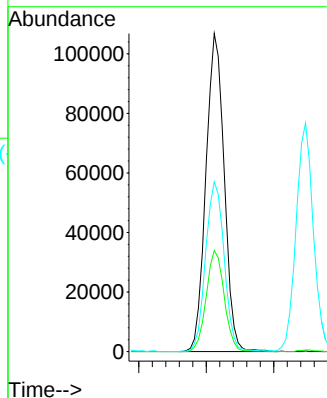
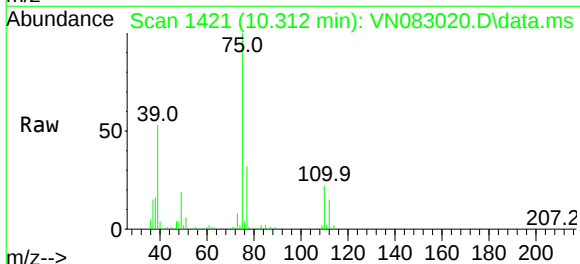
Manual Integrations
APPROVED

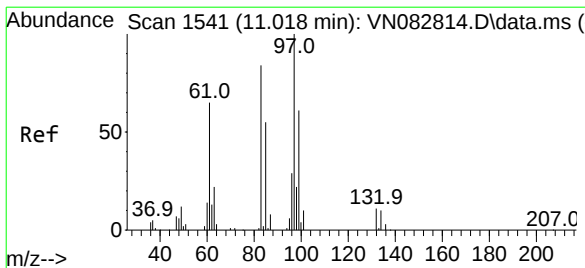
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#54
cis-1,3-Dichloropropene
Concen: 58.836 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

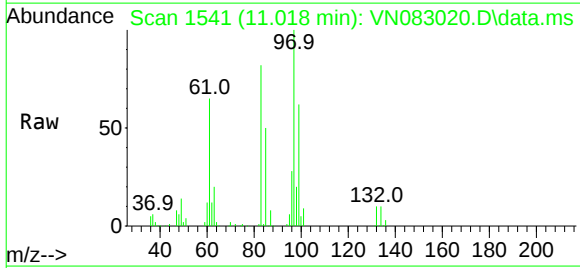
Tgt Ion: 75 Resp: 201176
Ion Ratio Lower Upper
75 100
77 31.8 24.3 36.5
39 53.4 50.5 75.7





#55
1,1,2-Trichloroethane
Concen: 64.170 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

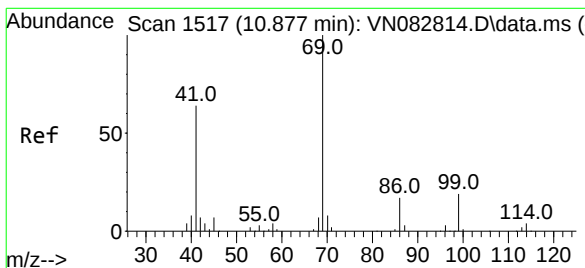
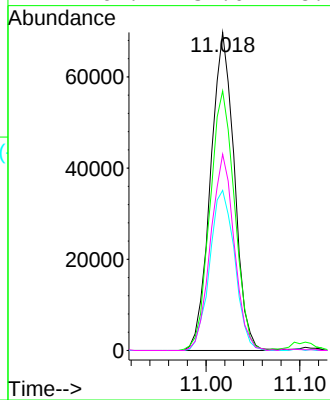
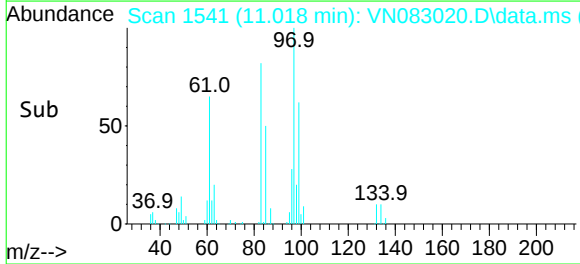
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.6	71.4	107.0
85	50.3	45.8	68.6
99	61.7	52.0	78.0

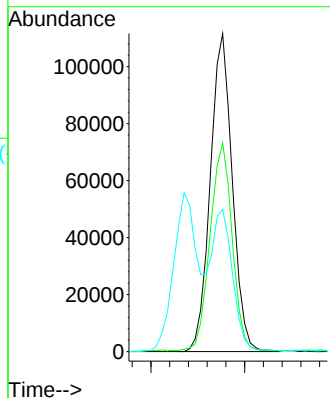
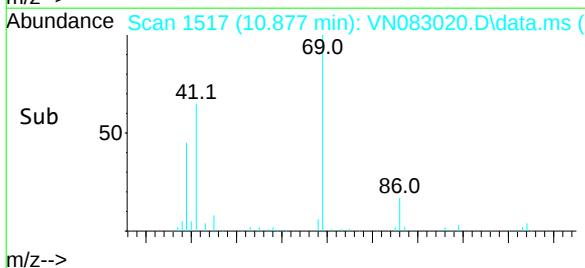
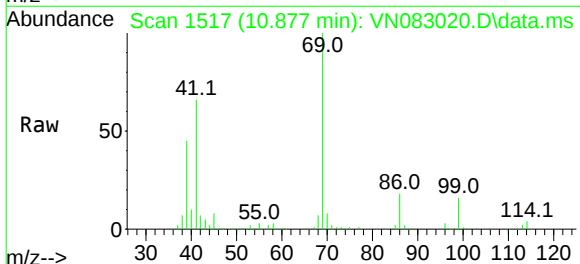
Manual Integrations
APPROVED

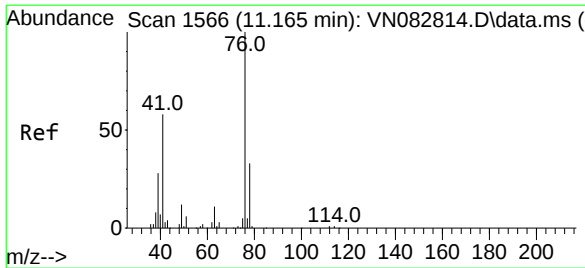
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#56
Ethyl methacrylate
Concen: 61.025 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	63.4	95.2
39	41.4	37.4	56.0





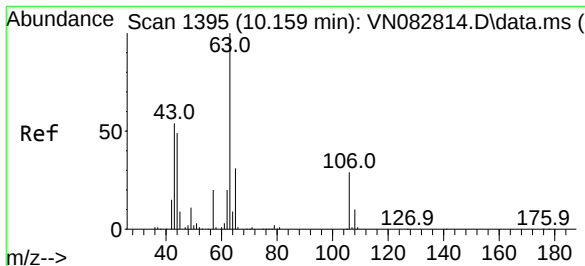
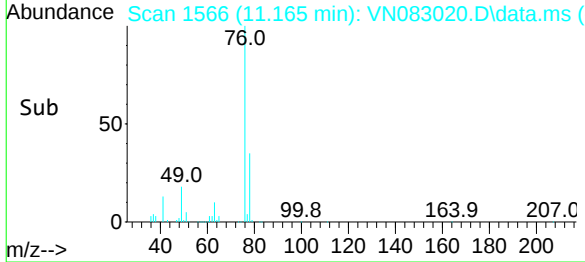
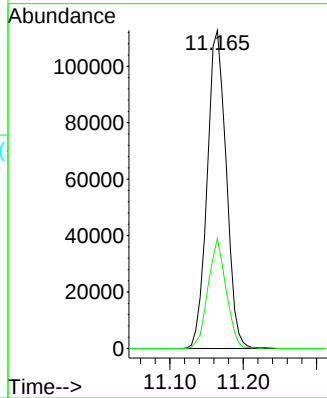
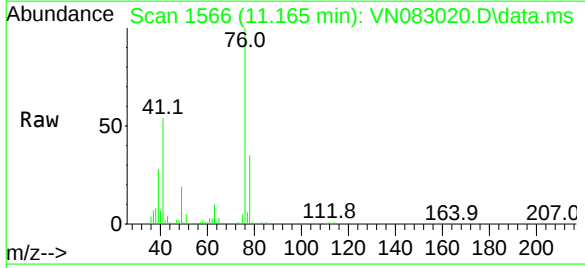
#57
1,3-Dichloropropane
Concen: 59.941 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 203360
Ion Ratio Lower Upper
76 100
78 32.9 25.6 38.4

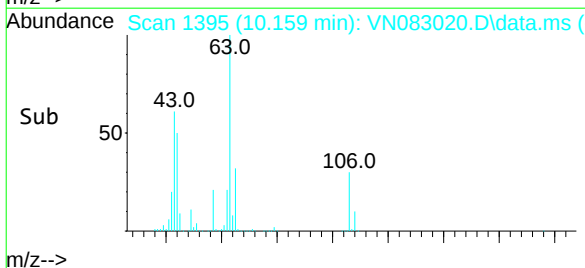
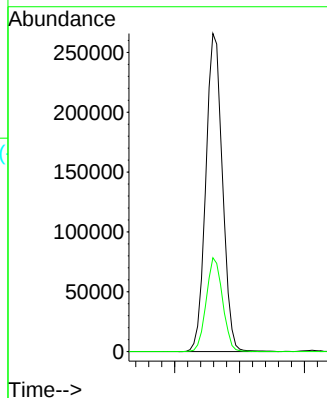
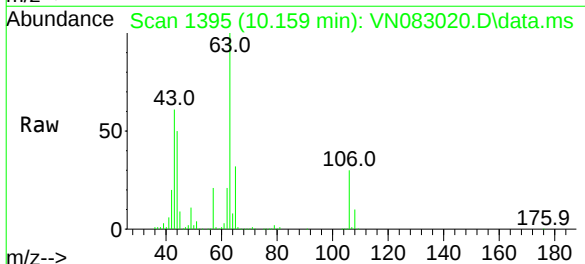
Manual Integrations
APPROVED

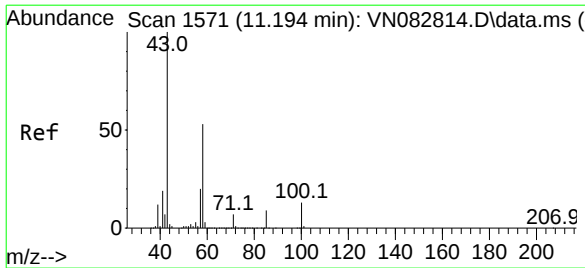
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#58
2-Chloroethyl Vinyl ether
Concen: 309.045 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 63 Resp: 472871
Ion Ratio Lower Upper
63 100
106 29.0 21.4 32.0





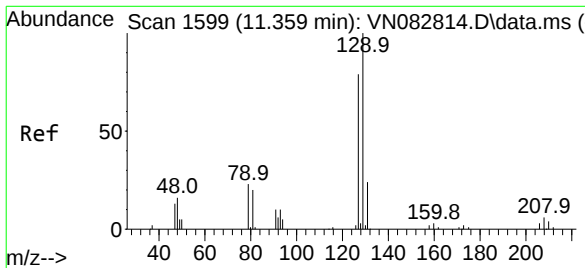
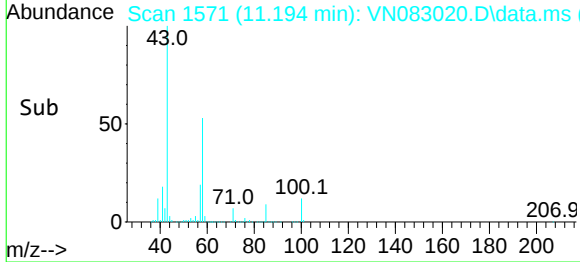
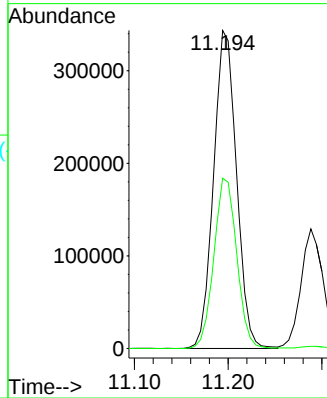
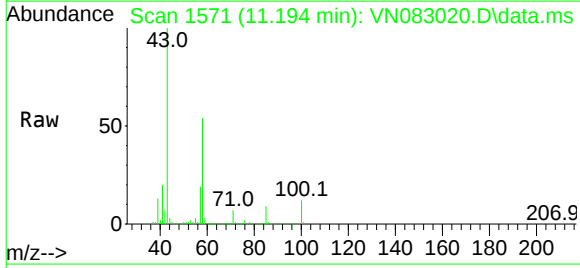
#59
2-Hexanone
Concen: 286.603 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 583394
Ion Ratio Lower Upper
43 100
58 53.4 24.6 73.8

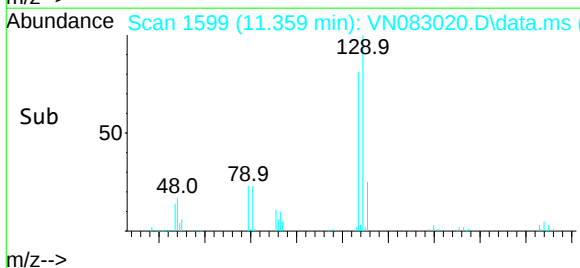
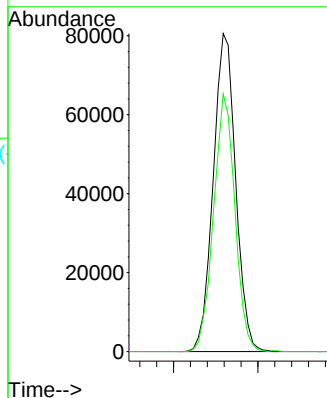
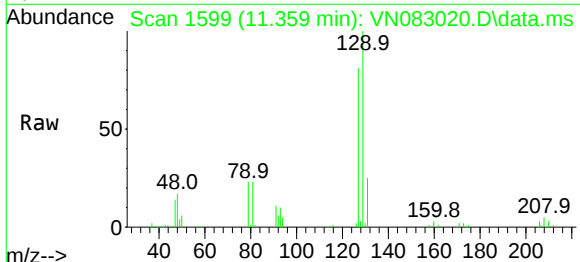
Manual Integrations
APPROVED

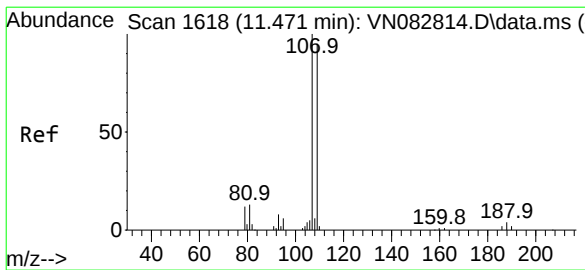
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#60
Dibromochloromethane
Concen: 61.001 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

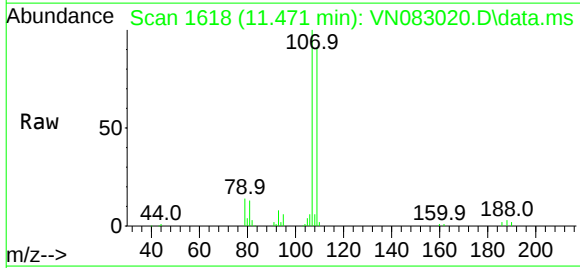
Tgt Ion:129 Resp: 148914
Ion Ratio Lower Upper
129 100
127 77.2 39.2 117.6





#61
1,2-Dibromoethane
Concen: 57.873 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

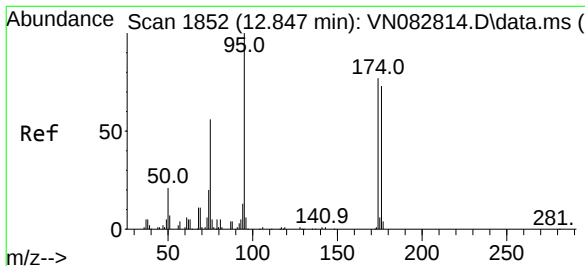
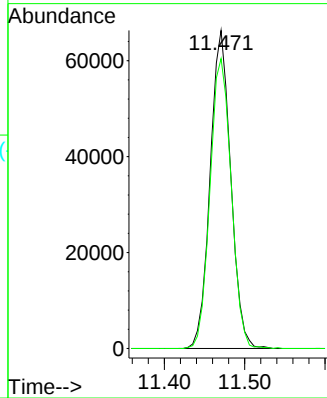
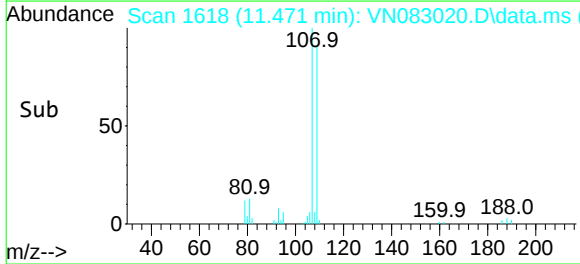
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



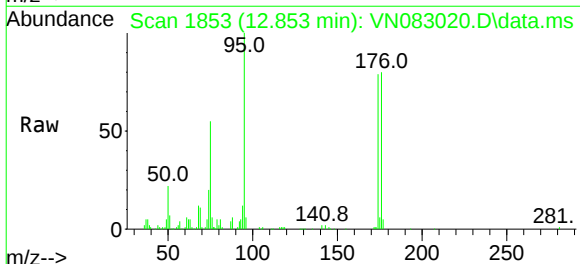
Tgt Ion: 107 Resp: 117795
Ion Ratio Lower Upper
107 100
109 94.0 73.7 110.5

Manual Integrations
APPROVED

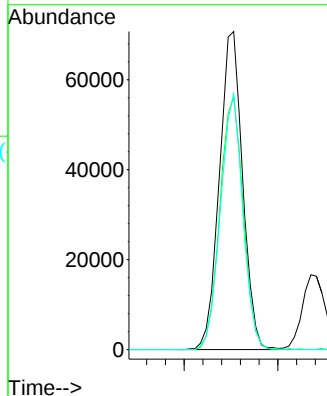
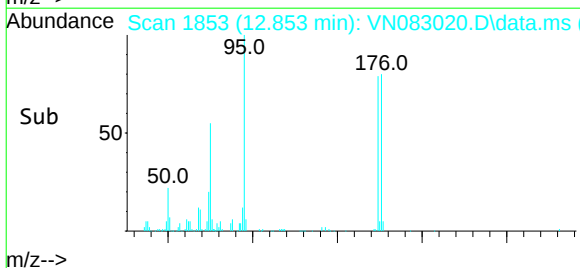
Reviewed By : John Carlone 07/25/2024
Supervised By : Mahesh Dadoda 07/25/2024

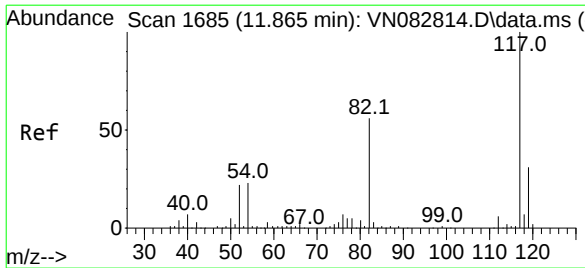


#62
4-Bromofluorobenzene
Concen: 46.564 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42



Tgt Ion: 95 Resp: 121543
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 77.3 0.0 147.6





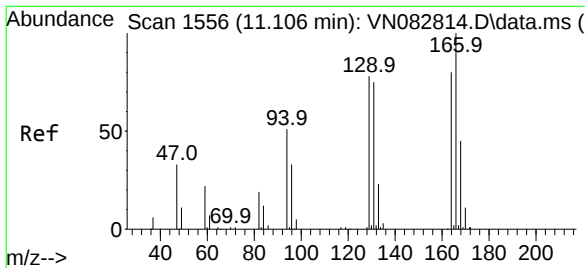
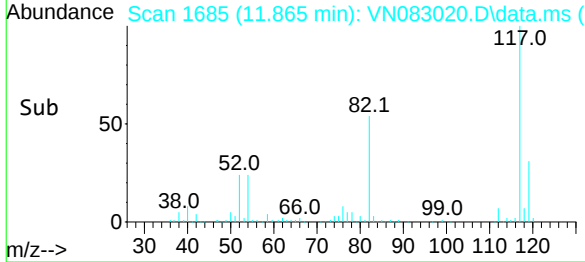
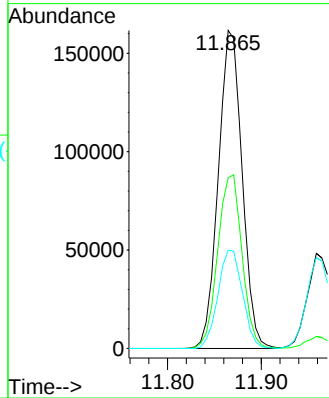
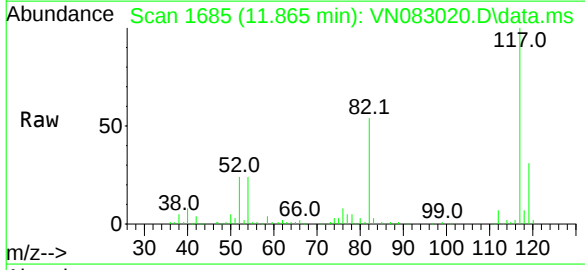
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	117	Resp:	285173
Ion Ratio	Lower	Upper	
117	100		
82	53.7	47.5	71.3
119	30.9	25.6	38.4

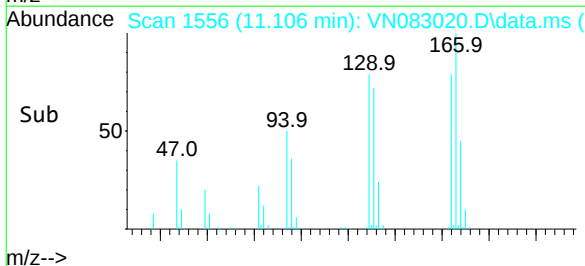
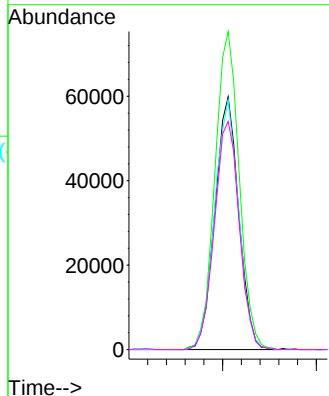
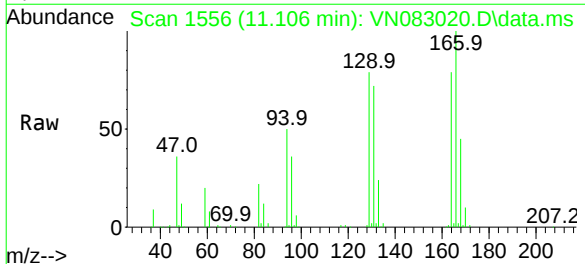
Manual Integrations
APPROVED

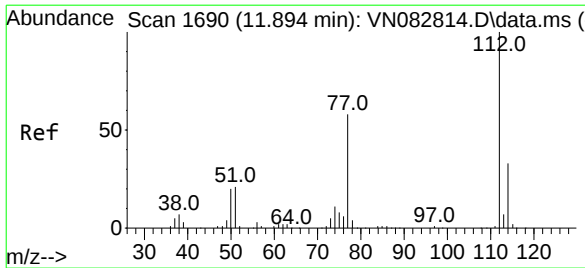
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#64
Tetrachloroethene
Concen: 49.829 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:	164	Resp:	106015
Ion Ratio	Lower	Upper	
164	100		
166	125.8	101.4	152.0
129	98.8	75.7	113.5
131	90.2	73.8	110.6





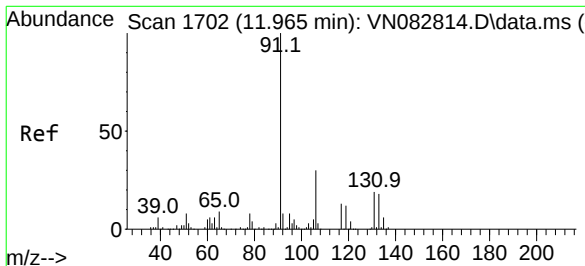
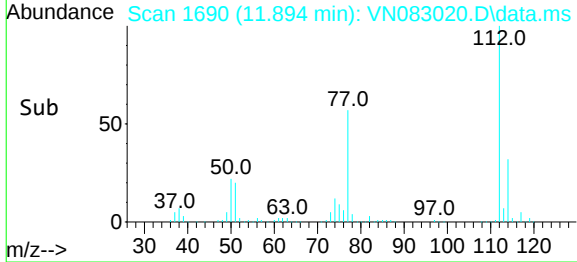
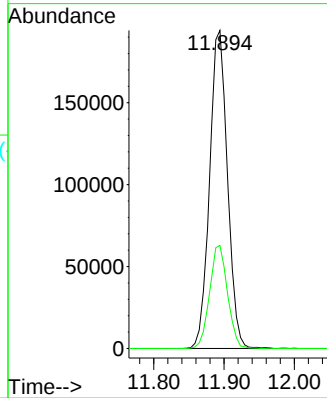
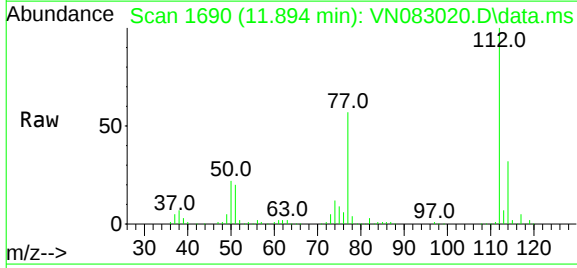
#65
Chlorobenzene
Concen: 56.094 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 342780
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.2

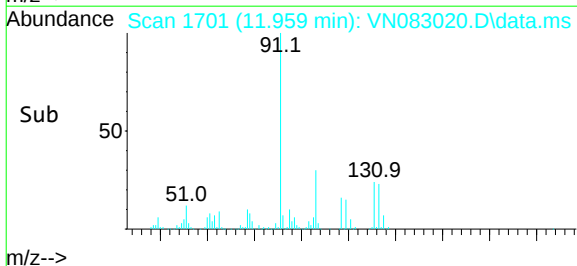
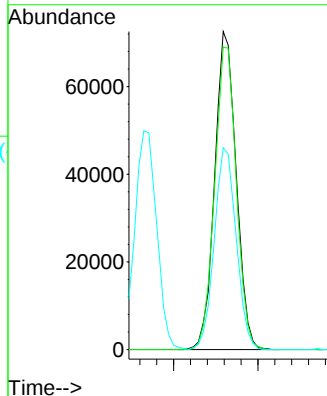
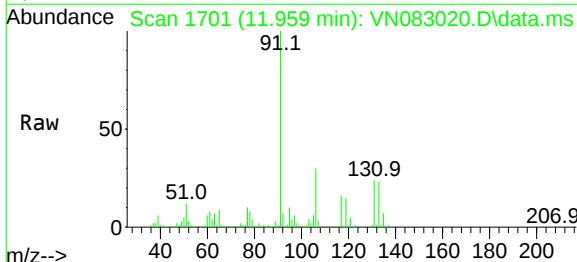
Manual Integrations
APPROVED

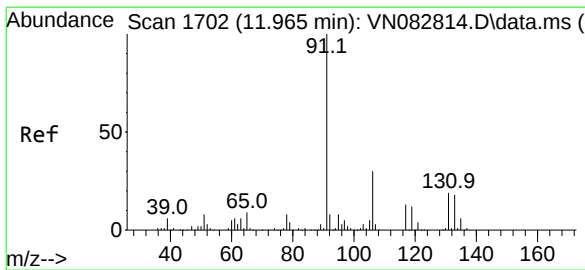
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 59.060 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.005 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:131 Resp: 128374
Ion Ratio Lower Upper
131 100
133 96.0 47.3 142.0
119 64.8 32.5 97.4





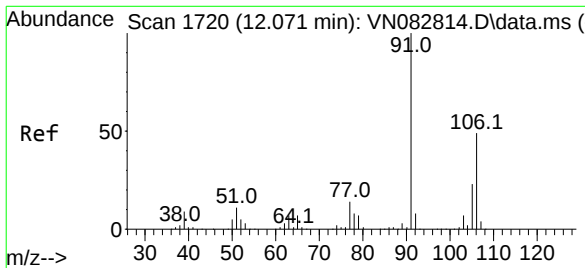
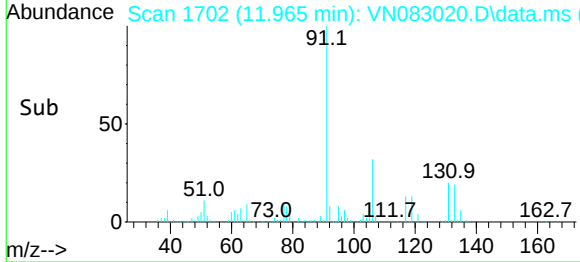
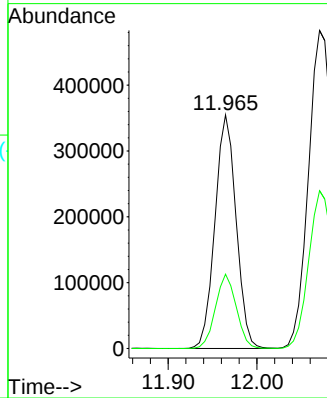
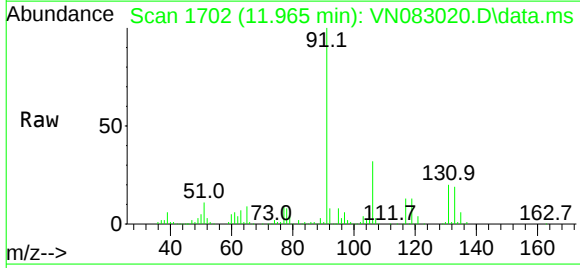
#67
Ethyl Benzene
Concen: 57.222 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 587694
Ion Ratio Lower Upper
91 100
106 31.8 24.0 36.0

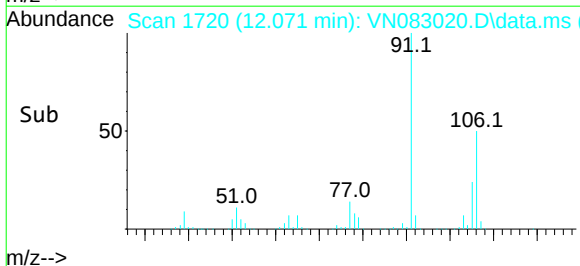
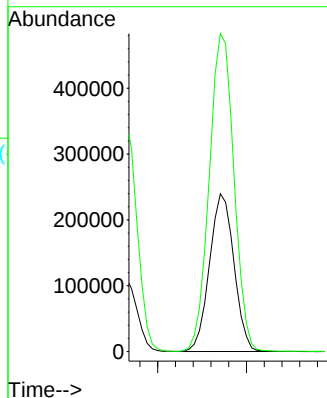
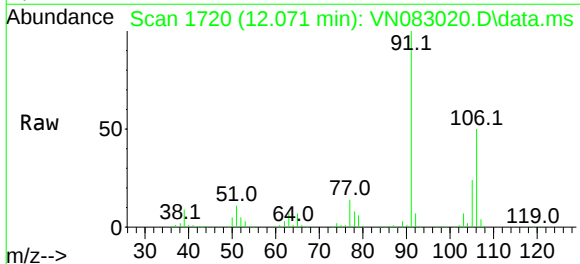
Manual Integrations
APPROVED

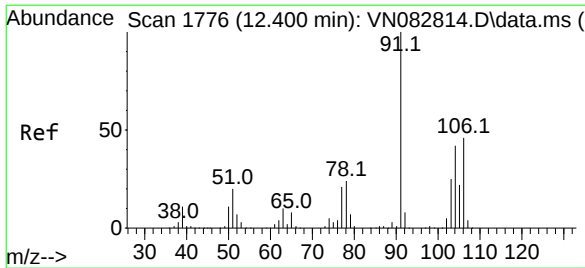
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#68
m/p-Xylenes
Concen: 118.152 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:106 Resp: 458132
Ion Ratio Lower Upper
106 100
91 203.5 166.1 249.1





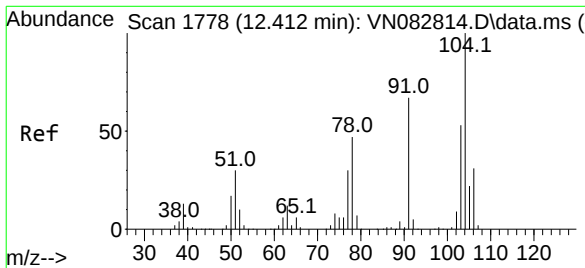
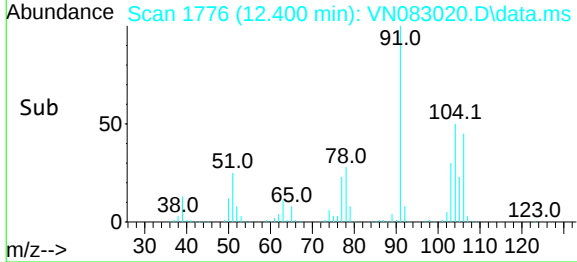
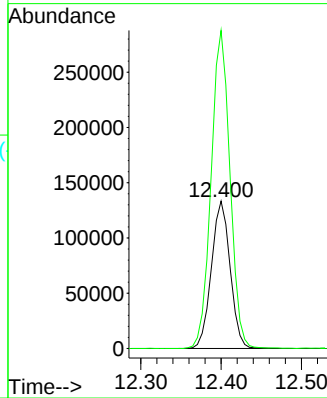
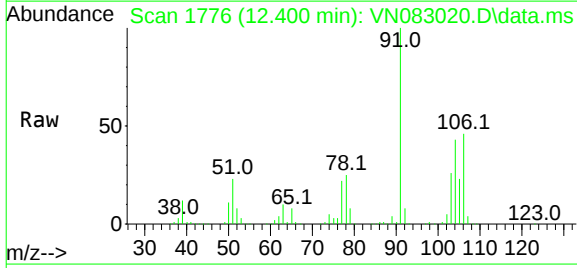
#69
o-Xylene
Concen: 58.145 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 216027
Ion Ratio Lower Upper
106 100
91 217.5 111.3 333.9

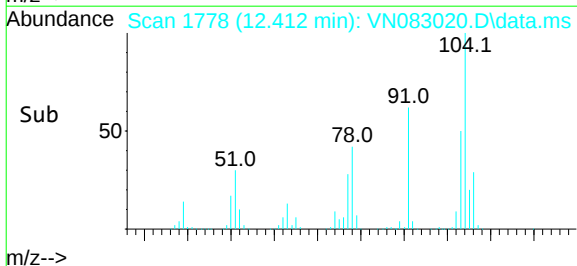
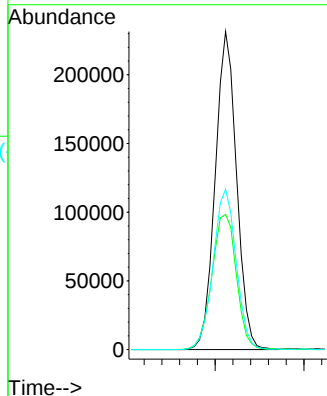
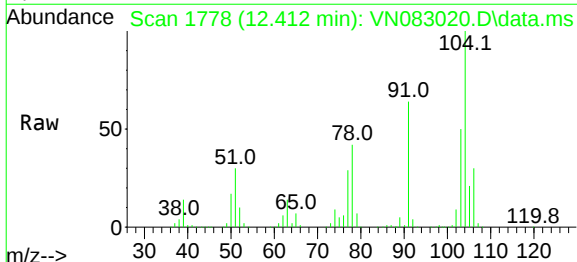
Manual Integrations
APPROVED

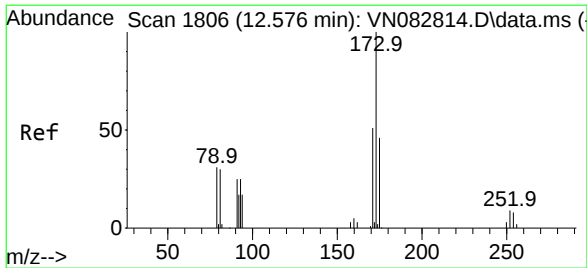
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#70
Styrene
Concen: 63.005 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:104 Resp: 386774
Ion Ratio Lower Upper
104 100
78 49.0 41.6 62.4
103 54.3 44.0 66.0





#71

Bromoform

Concen: 57.823 ug/l

RT: 12.582 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

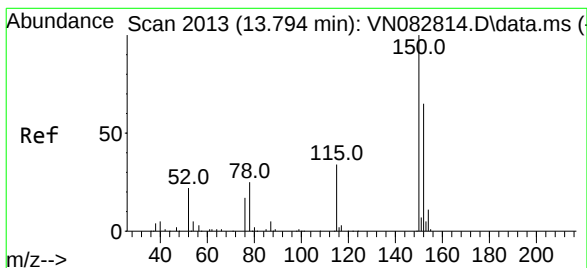
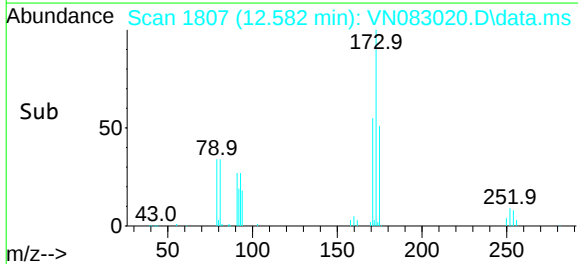
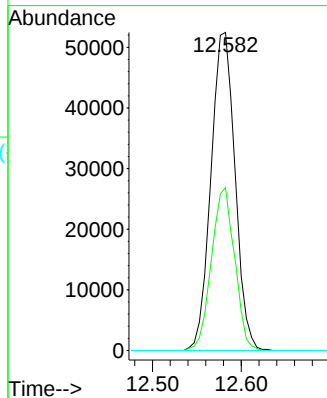
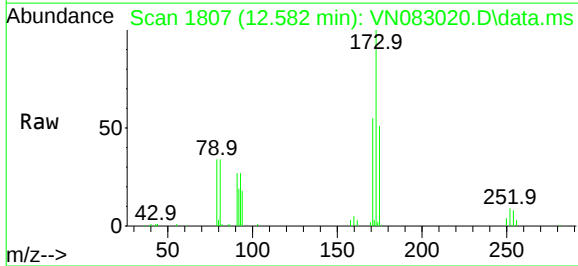
Tgt Ion:	173	Resp:	98843
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

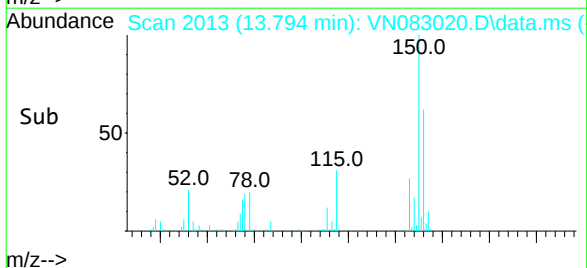
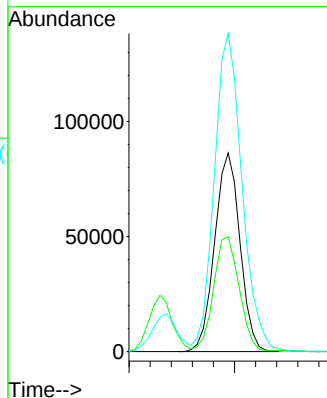
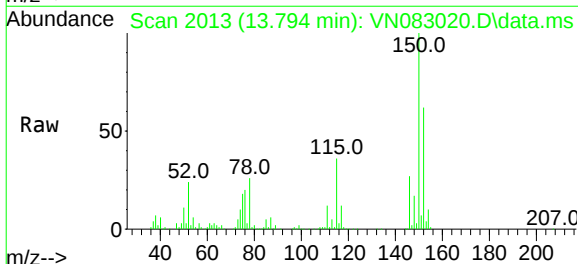
RT: 13.794 min Scan# 2013

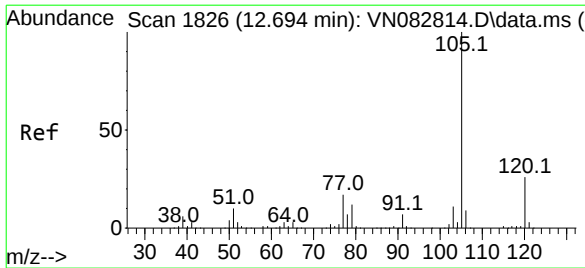
Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Tgt Ion:	152	Resp:	143948
Ion Ratio	Lower	Upper	
152	100		
115	58.8	30.6	91.6
150	175.0	0.0	348.6





#73

Isopropylbenzene

Concen: 52.923 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 553572

Ion Ratio Lower Upper

105 100

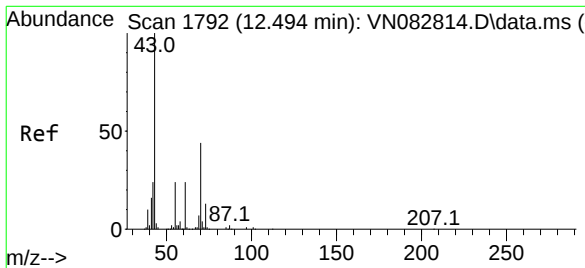
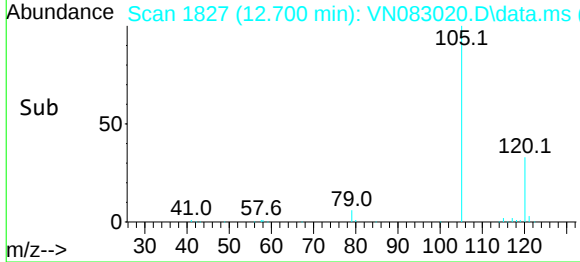
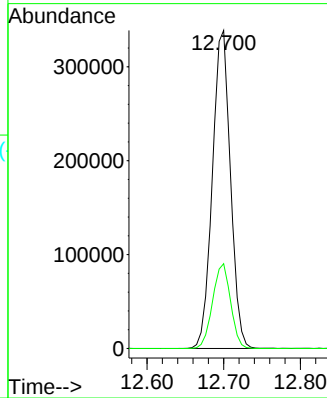
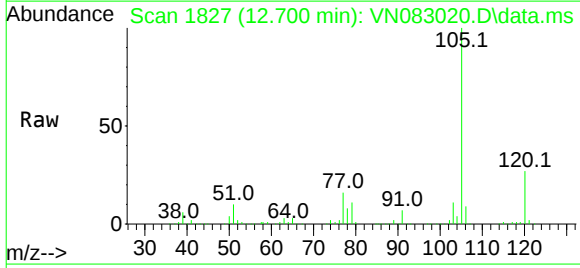
120 26.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#74

N-ethyl acetate

Concen: 52.231 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Tgt Ion: 43 Resp: 225984

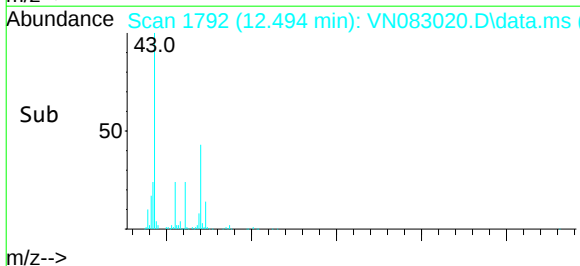
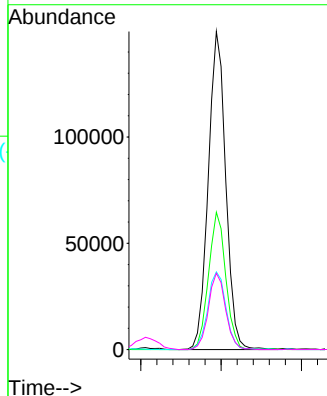
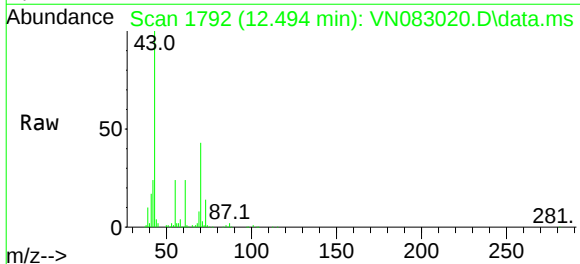
Ion Ratio Lower Upper

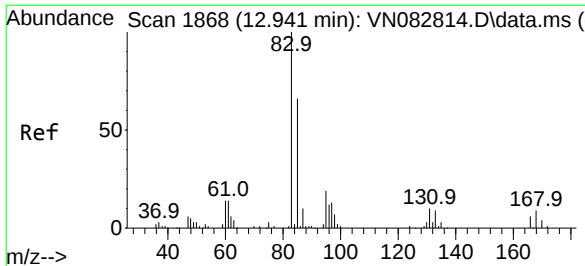
43 100

70 42.6 29.8 44.6

55 25.5 18.7 28.1

61 23.7 17.4 26.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.613 ug/l

RT: 12.941 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

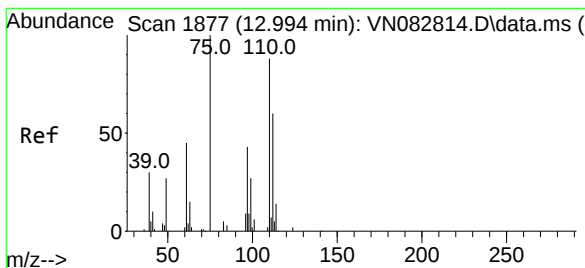
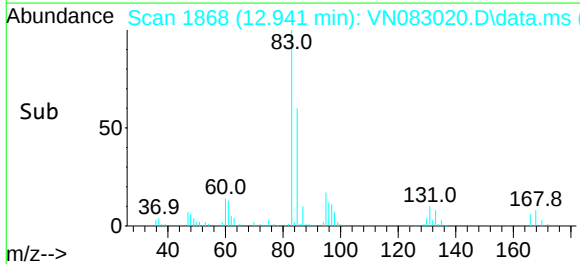
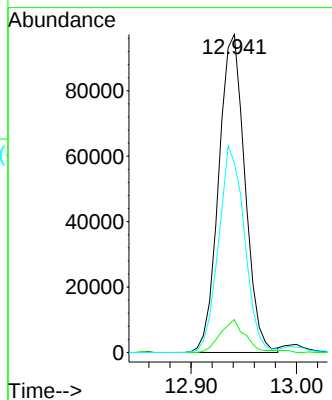
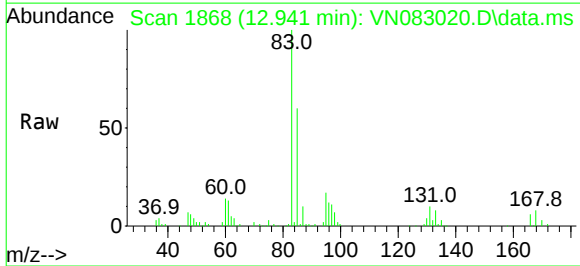
Tgt Ion:	83	Resp:	167949
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.2	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#76

1,2,3-Trichloropropane

Concen: 59.733 ug/l m

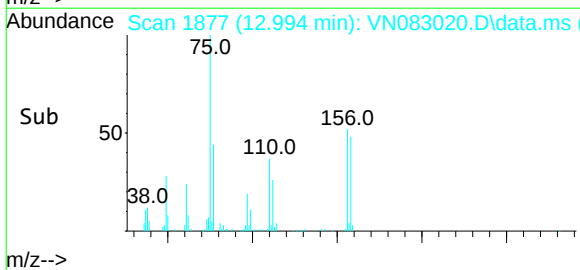
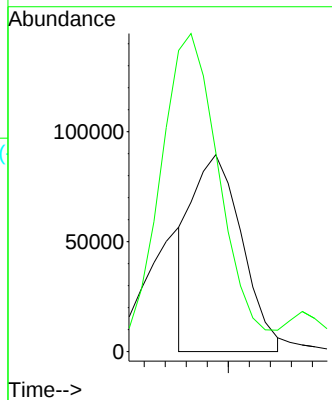
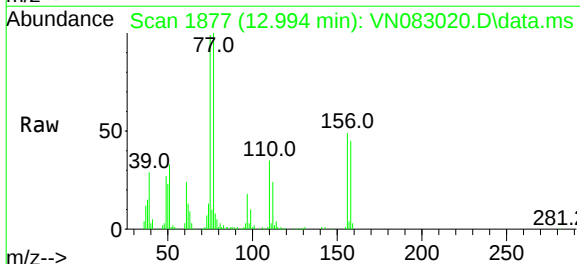
RT: 12.994 min Scan# 1877

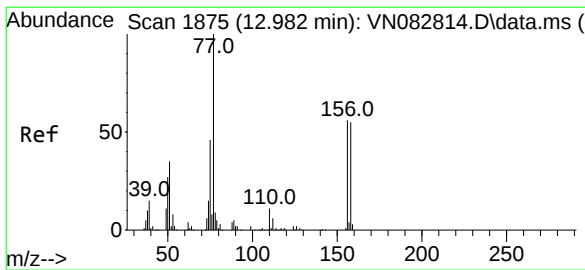
Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Tgt Ion:	75	Resp:	148243
Ion	Ratio	Lower	Upper
75	100		
77	195.9	110.9	332.6





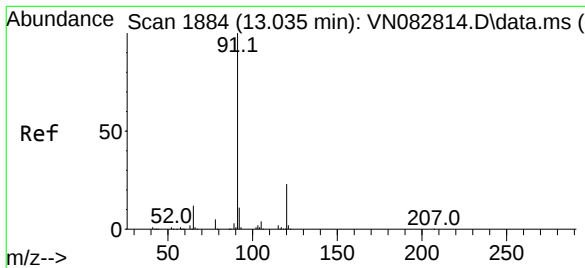
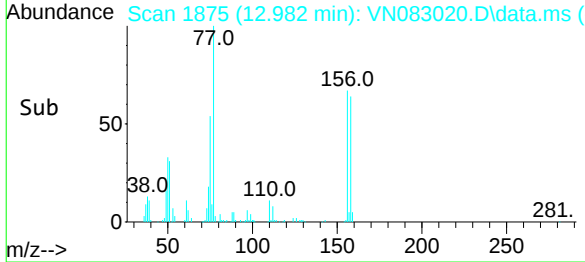
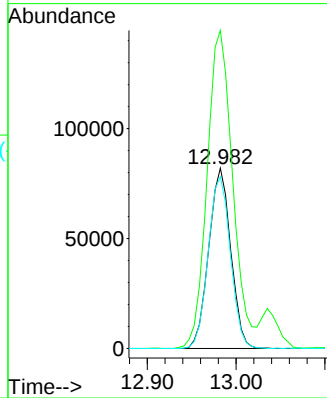
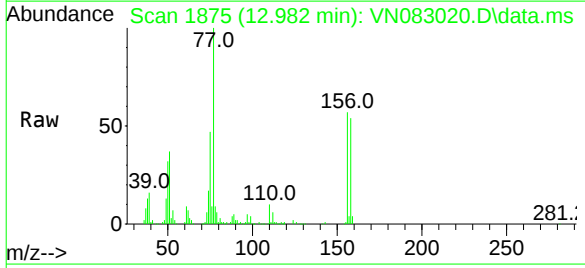
#77
Bromobenzene
Concen: 52.309 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 156 Resp: 141153
Ion Ratio Lower Upper
156 100
77 205.8 111.3 333.8
158 96.1 48.3 144.9

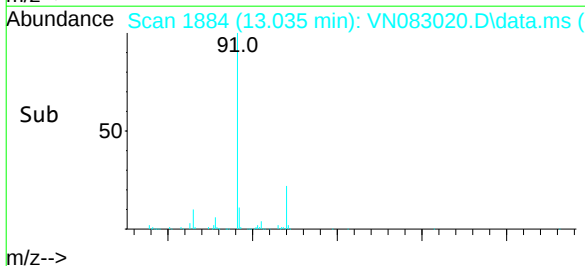
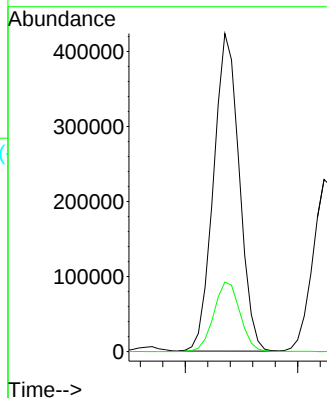
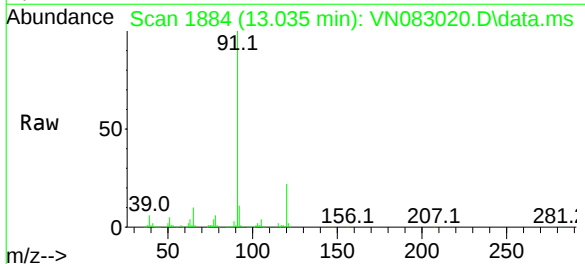
Manual Integrations
APPROVED

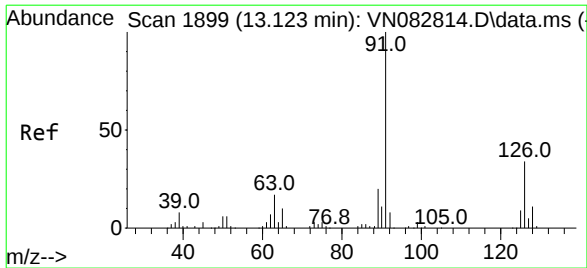
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#78
n-propylbenzene
Concen: 55.915 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 91 Resp: 672461
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9





#79

2-Chlorotoluene

Concen: 51.954 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.006 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 398112

Ion Ratio Lower Upper

91 100

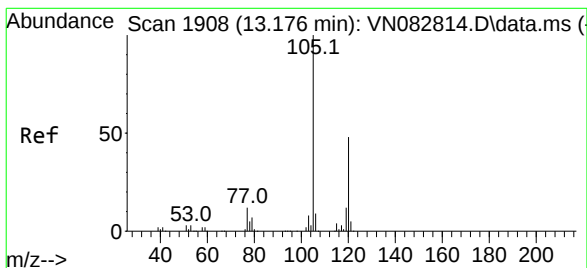
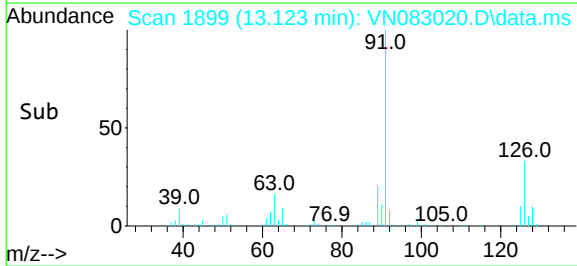
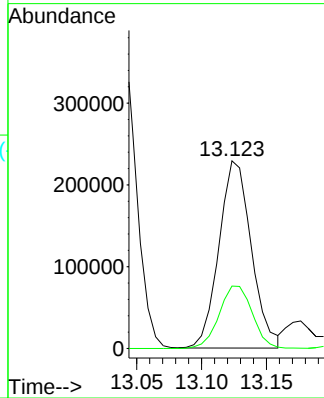
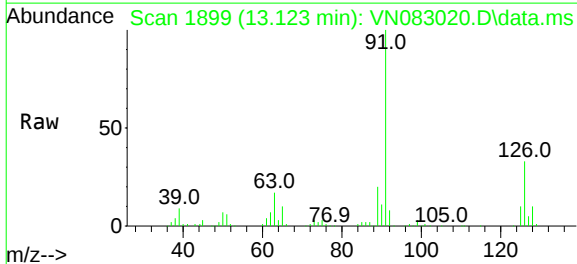
126 34.2 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 55.210 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN083020.D

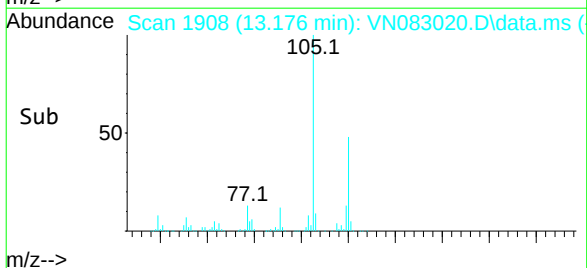
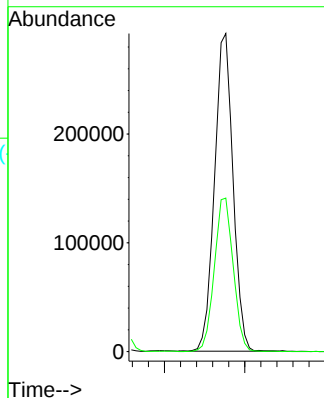
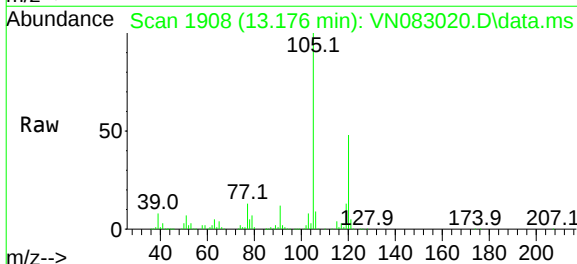
Acq: 24 Jul 2024 09:42

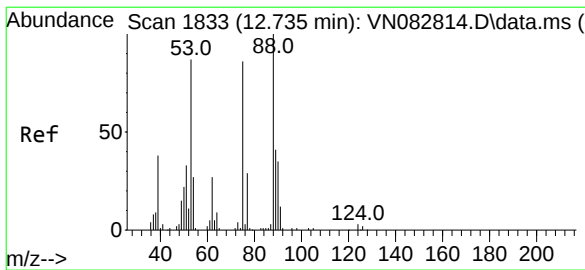
Tgt Ion:105 Resp: 466796

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.8





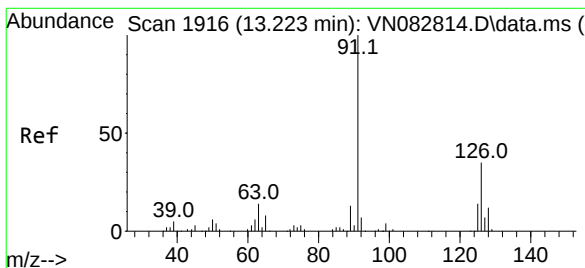
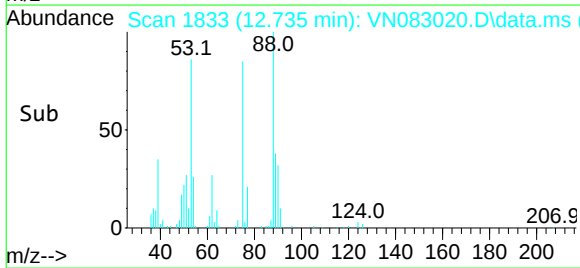
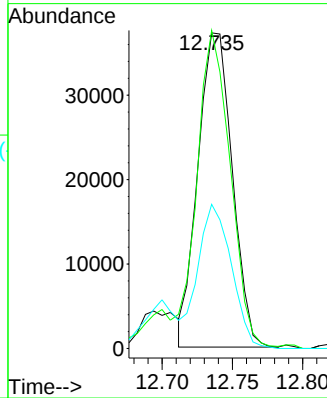
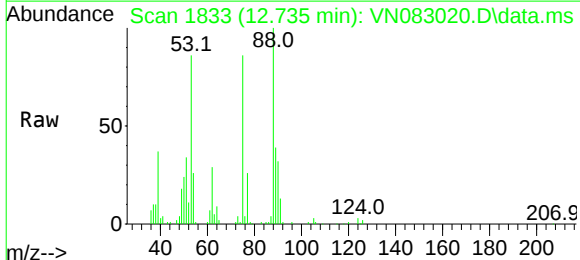
#81
trans-1,4-Dichloro-2-butene
Concen: 50.082 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 63197
Ion Ratio Lower Upper
75 100
53 109.5 88.4 132.6
89 45.3 36.3 54.5

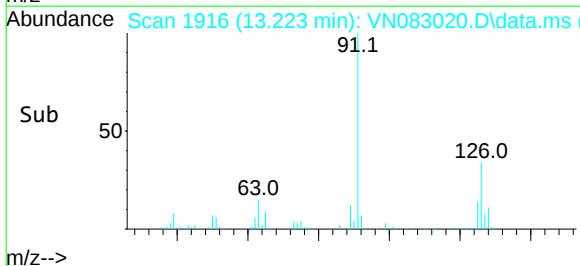
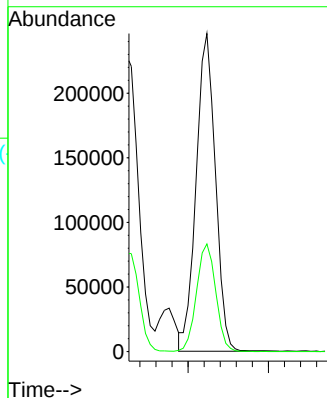
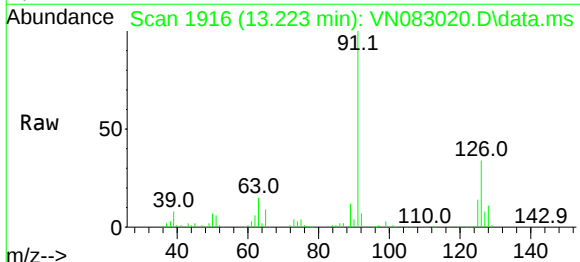
Manual Integrations
APPROVED

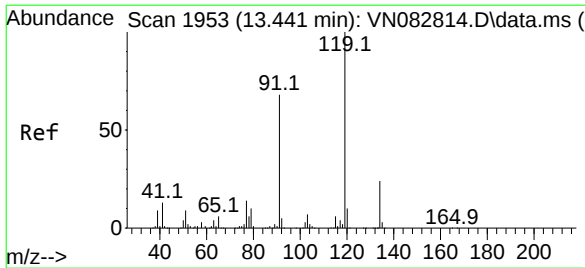
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#82
4-Chlorotoluene
Concen: 53.971 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion: 91 Resp: 409351
Ion Ratio Lower Upper
91 100
126 33.8 16.2 48.6





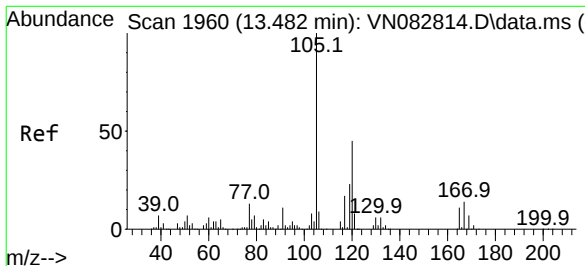
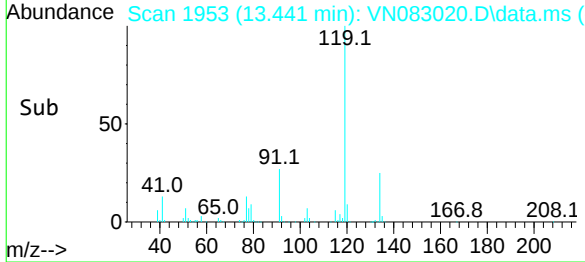
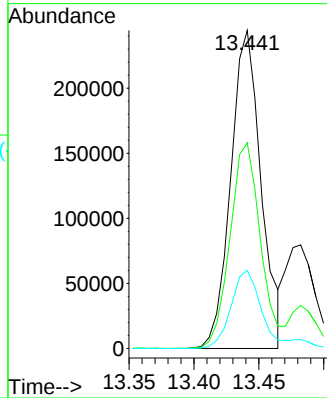
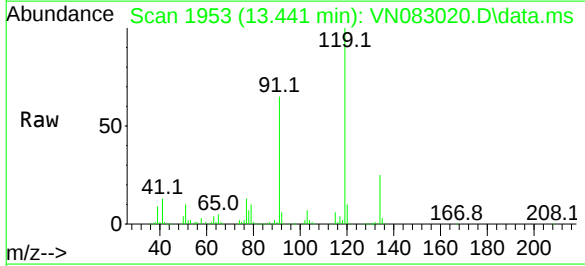
#83
tert-Butylbenzene
Concen: 53.030 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 397501
Ion Ratio Lower Upper
119 100
91 65.9 35.0 105.1
134 24.2 13.3 39.8

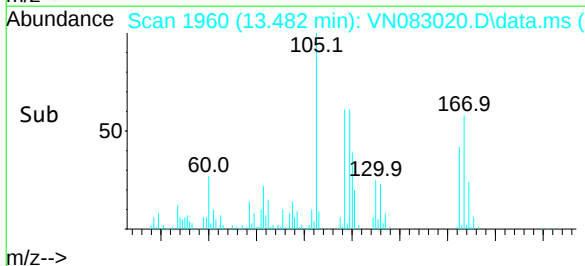
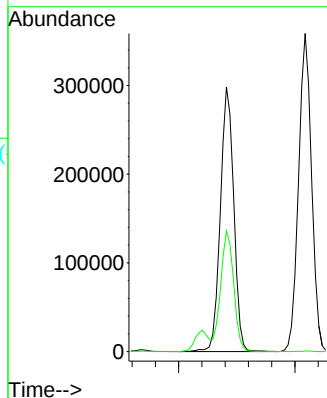
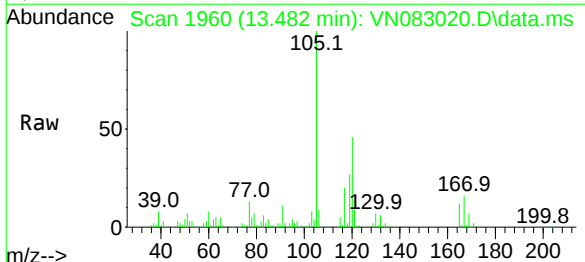
Manual Integrations
APPROVED

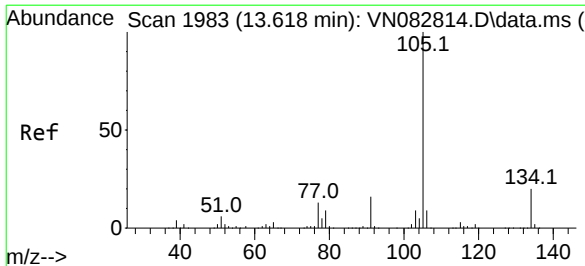
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#84
1,2,4-Trimethylbenzene
Concen: 55.320 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:105 Resp: 476721
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8





#85

sec-Butylbenzene

Concen: 54.977 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 556876

Ion Ratio Lower Upper

105 100

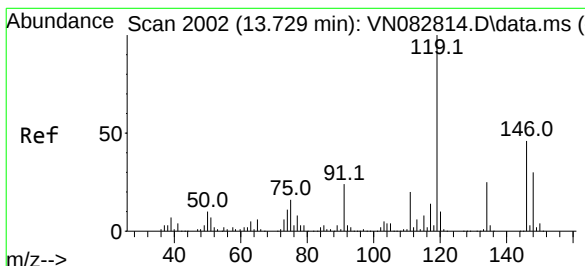
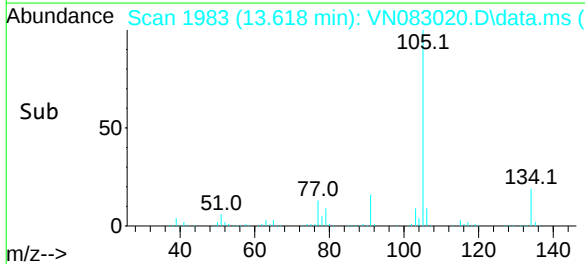
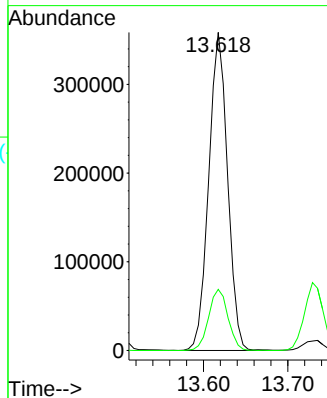
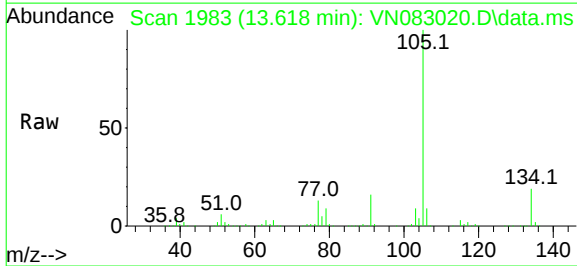
134 19.7 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#86

p-Isopropyltoluene

Concen: 55.568 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

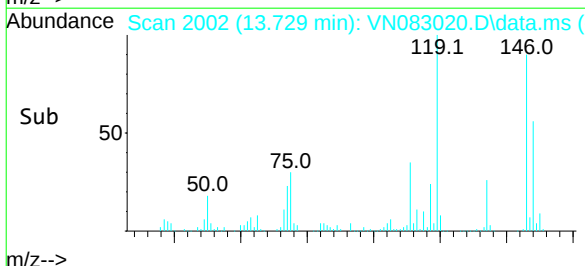
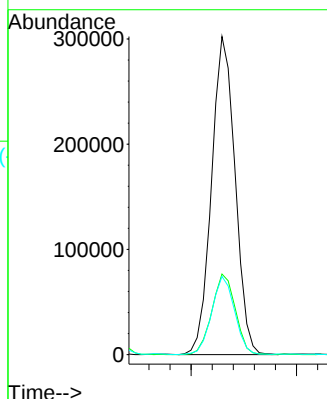
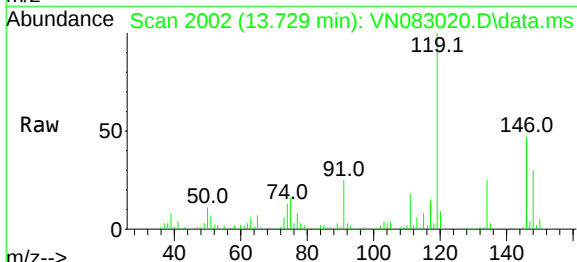
Tgt Ion:119 Resp: 469614

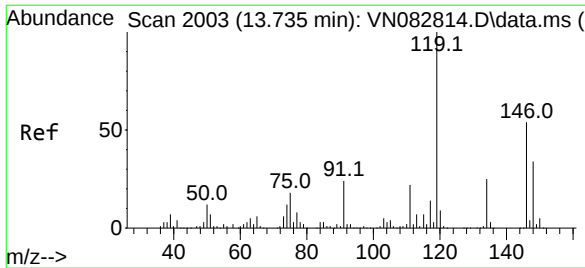
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 24.0 12.3 36.9





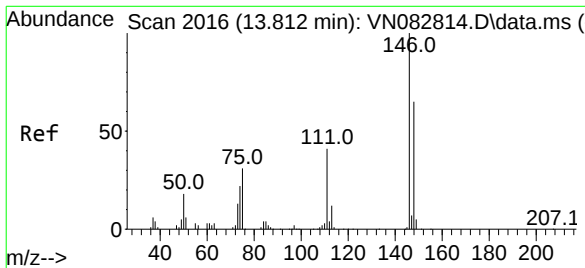
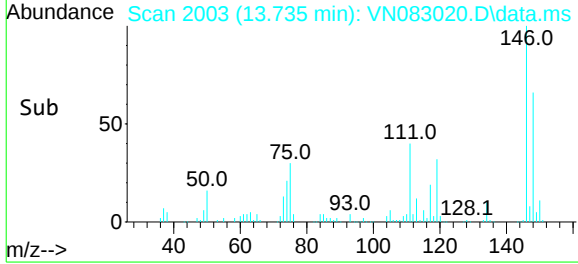
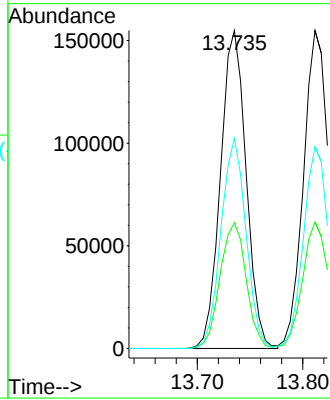
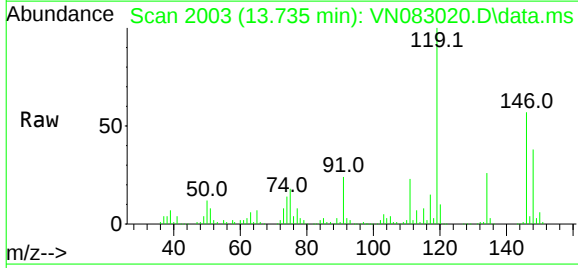
#87
1,3-Dichlorobenzene
Concen: 53.589 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 261232
Ion Ratio Lower Upper
146 100
111 40.4 20.6 61.9
148 64.6 31.8 95.3

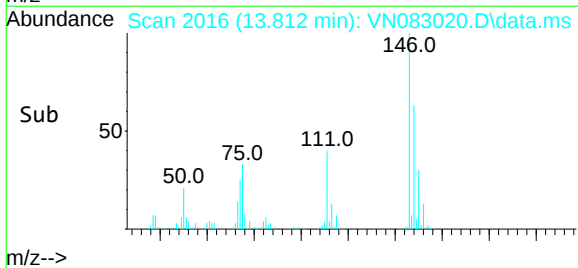
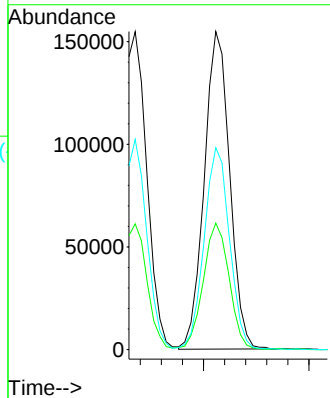
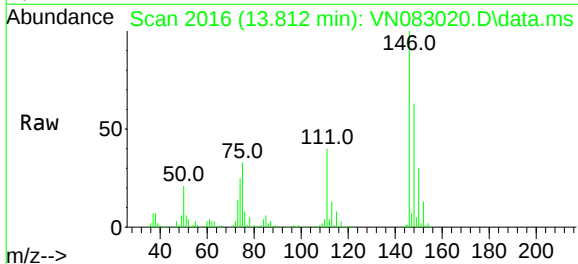
Manual Integrations
APPROVED

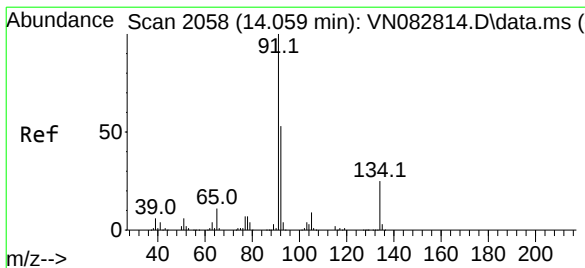
Reviewed By :John Carlone 07/25/2024
Supervised By :Mahesh Dadoda 07/25/2024



#88
1,4-Dichlorobenzene
Concen: 51.392 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.001 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Tgt Ion:146 Resp: 259084
Ion Ratio Lower Upper
146 100
111 40.3 20.1 60.3
148 63.9 32.2 96.6





#89

n-Butylbenzene

Concen: 54.915 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.001 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

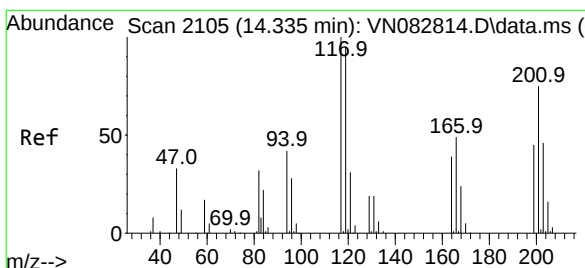
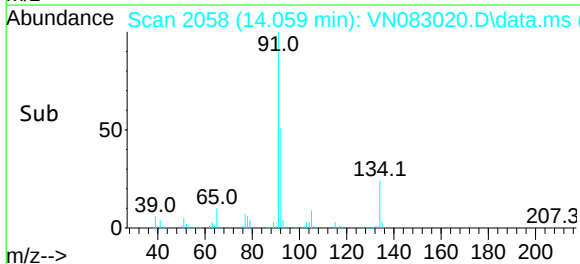
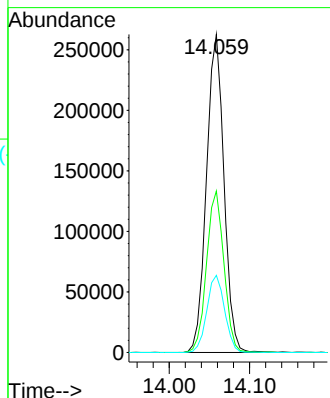
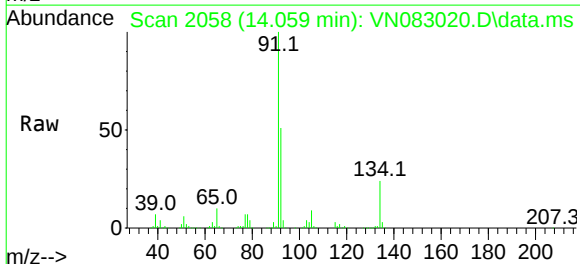
Tgt Ion:	91	Resp:	397597
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.1	78.3
134	24.7	12.1	36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#90

Hexachloroethane

Concen: 51.729 ug/l

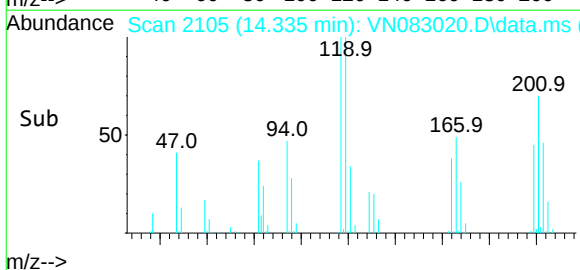
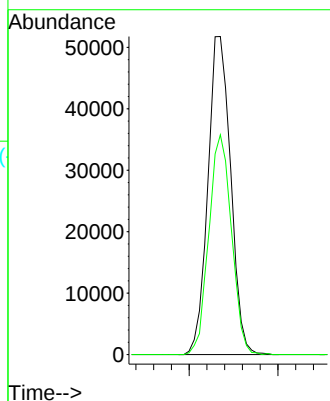
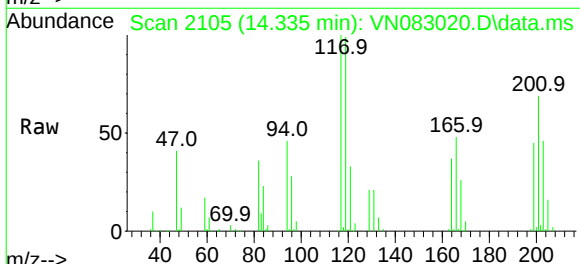
RT: 14.335 min Scan# 2105

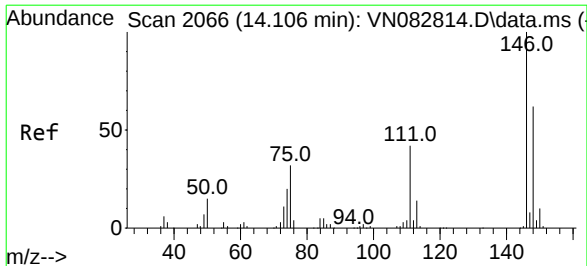
Delta R.T. 0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Tgt Ion:	117	Resp:	92502
Ion	Ratio	Lower	Upper
117	100		
201	68.6	35.8	107.3





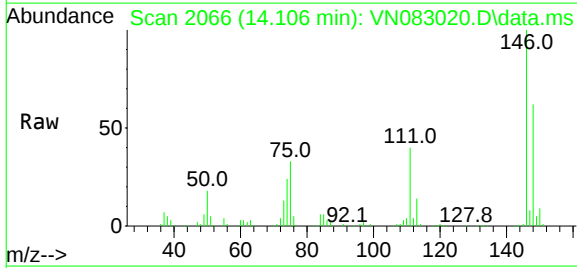
#91
1,2-Dichlorobenzene
Concen: 53.443 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



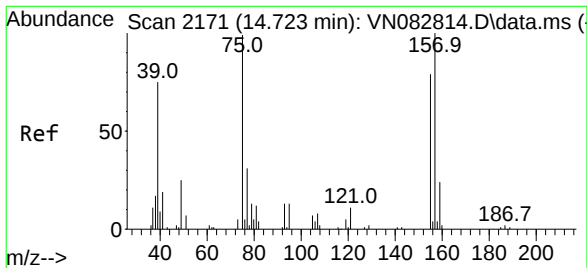
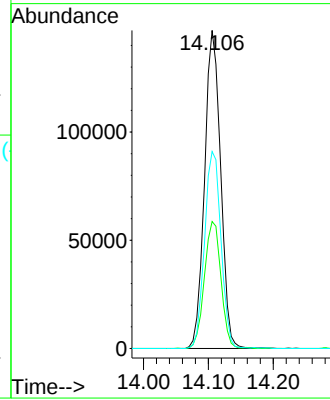
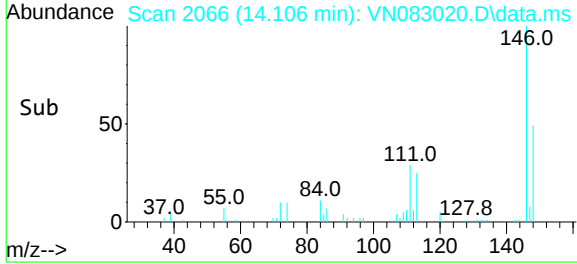
Tgt Ion:146 Resp: 252948
Ion Ratio Lower Upper
146 100
111 41.1 21.4 64.2
148 63.2 32.1 96.5

Manual Integrations

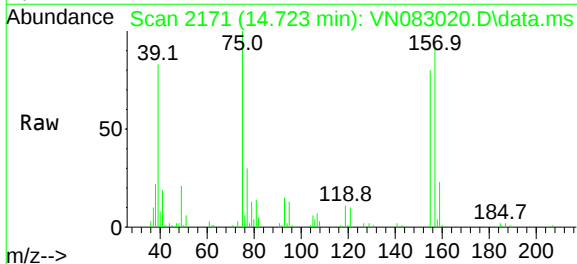
APPROVED

Reviewed By :John Carlone 07/25/2024

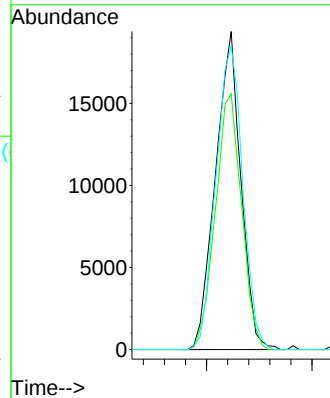
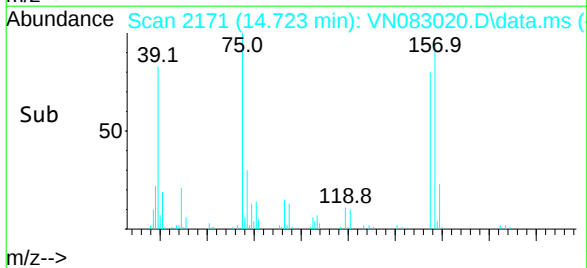
Supervised By :Mahesh Dadoda 07/25/2024

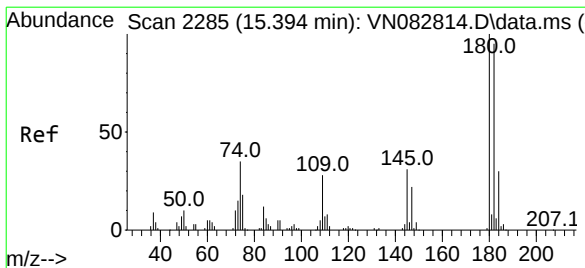


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.650 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN083020.D
Acq: 24 Jul 2024 09:42



Tgt Ion: 75 Resp: 32359
Ion Ratio Lower Upper
75 100
155 83.2 36.6 109.8
157 100.9 46.9 140.6





#93

1,2,4-Trichlorobenzene

Concen: 49.568 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 126370

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

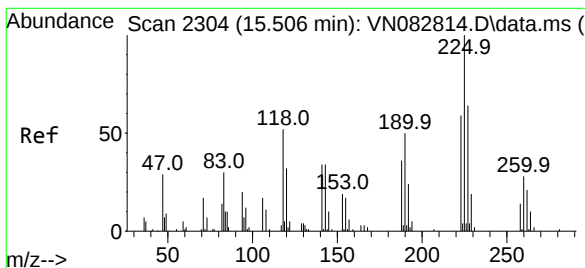
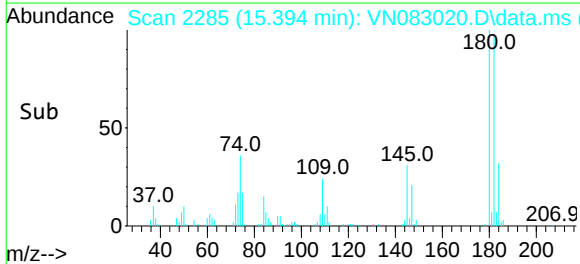
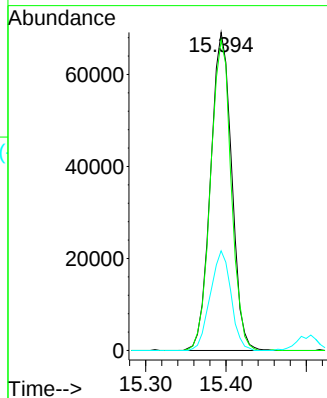
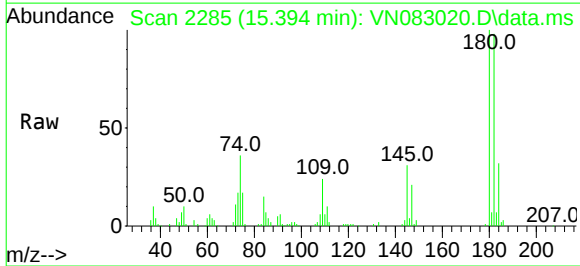
145 30.8 15.7 47.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#94

Hexachlorobutadiene

Concen: 46.583 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.001 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

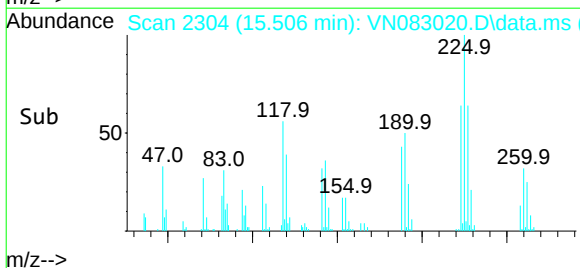
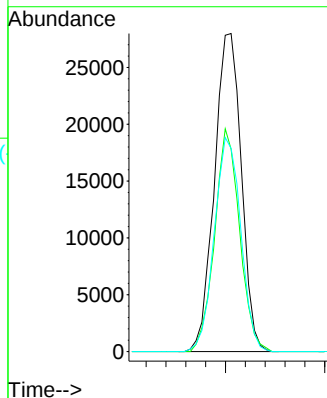
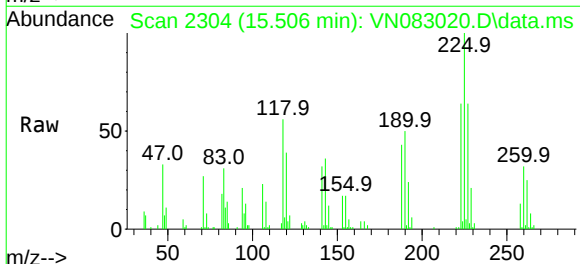
Tgt Ion:225 Resp: 52648

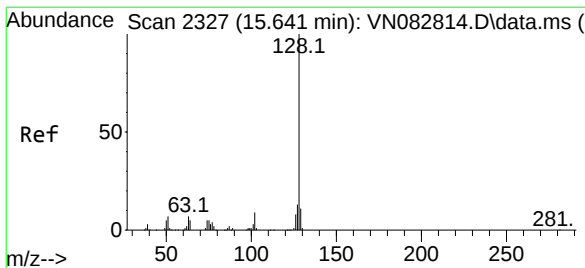
Ion Ratio Lower Upper

225 100

223 64.9 31.9 95.7

227 66.3 32.5 97.5





#95

Naphthalene

Concen: 46.912 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

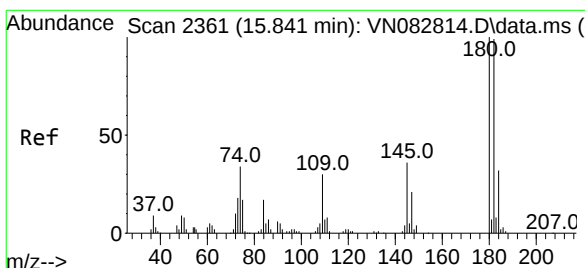
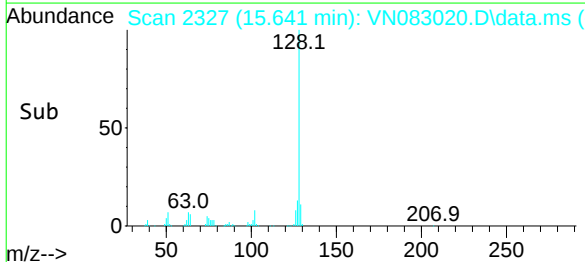
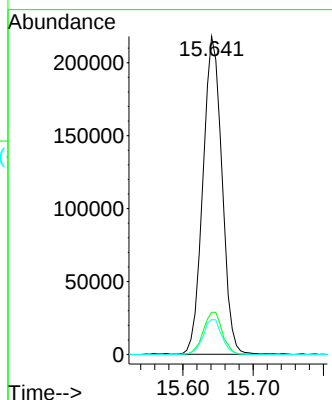
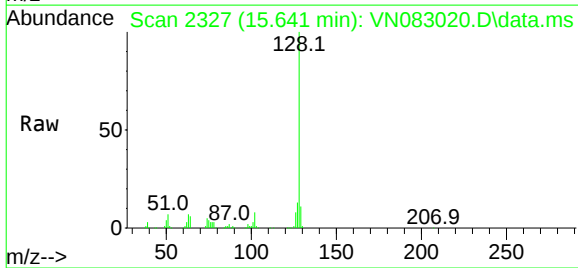
Tgt Ion:	128	Resp:	409637
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2024

Supervised By :Mahesh Dadoda 07/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 48.379 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN083020.D

Acq: 24 Jul 2024 09:42

Tgt Ion:	180	Resp:	126818
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.9	146.8
145	33.4	16.8	50.4

