

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080454.D
 Acq On : 13 Dec 2023 12:08
 Operator : JC\MD
 Sample : VN1213WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 04:03:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	251777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	394676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	193098	60.047	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.100%	
35) Dibromofluoromethane	8.165	113	143396	57.303	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.600%	
50) Toluene-d8	10.565	98	529905	56.780	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.560%#	
62) 4-Bromofluorobenzene	12.847	95	194506	54.885	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	61930	19.248	ug/l	93
3) Chloromethane	2.359	50	59143	17.290	ug/l	99
4) Vinyl Chloride	2.518	62	48178	17.533	ug/l	94
5) Bromomethane	2.959	94	24090	19.446	ug/l	94
6) Chloroethane	3.124	64	31085	17.605	ug/l	92
7) Trichlorofluoromethane	3.501	101	107599	19.307	ug/l	99
8) Diethyl Ether	3.953	74	33196	18.910	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	52675	19.941	ug/l	94
10) Methyl Iodide	4.583	142	39269	16.901	ug/l #	83
11) Tert butyl alcohol	5.512	59	39328	103.842	ug/l	98
12) 1,1-Dichloroethene	4.342	96	49707	18.365	ug/l	89
13) Acrolein	4.171	56	38530	92.897	ug/l	98
14) Allyl chloride	5.018	41	61261	18.293	ug/l	95
15) Acrylonitrile	5.712	53	106427	99.453	ug/l	99
16) Acetone	4.418	43	68172	119.560	ug/l	100
17) Carbon Disulfide	4.706	76	134270	17.504	ug/l	97
18) Methyl Acetate	5.018	43	73275	19.972	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	180185	19.953	ug/l	99
20) Methylene Chloride	5.271	84	57695	18.907	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	55210	18.812	ug/l	94
22) Diisopropyl ether	6.665	45	141902	19.633	ug/l	96
23) Vinyl Acetate	6.600	43	390822	94.148	ug/l	93
24) 1,1-Dichloroethane	6.565	63	97953	19.425	ug/l	97
25) 2-Butanone	7.477	43	118196	107.605	ug/l	90
26) 2,2-Dichloropropane	7.489	77	97410	18.891	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	63398	19.084	ug/l	90
28) Bromochloromethane	7.806	49	37444	19.339	ug/l	100
29) Tetrahydrofuran	7.836	42	77448	98.464	ug/l	93
30) Chloroform	7.959	83	111280	19.880	ug/l	92
31) Cyclohexane	8.259	56	79573	18.196	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	108077	19.720	ug/l	97
36) 1,1-Dichloropropene	8.371	75	79927	19.534	ug/l	96
37) Ethyl Acetate	7.559	43	50432	19.683	ug/l	99
38) Carbon Tetrachloride	8.365	117	95699	19.574	ug/l	97
39) Methylcyclohexane	9.600	83	78642	18.502	ug/l	92
40) Benzene	8.606	78	230041	19.470	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28617	19.374	ug/l	93
42) 1,2-Dichloroethane	8.671	62	91899	21.004	ug/l	95
43) Isopropyl Acetate	8.688	43	90572	19.660	ug/l	97
44) Trichloroethene	9.353	130	60140	18.881	ug/l	96
45) 1,2-Dichloropropane	9.624	63	53527	19.289	ug/l	95
46) Dibromomethane	9.706	93	40349	20.247	ug/l	92
47) Bromodichloromethane	9.888	83	87057	20.383	ug/l	98
48) Methyl methacrylate	9.677	41	52624	19.142	ug/l	91
49) 1,4-Dioxane	9.694	88	16143	387.403	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	256200	100.978	ug/l	99
52) Toluene	10.629	92	146685	19.652	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	91971	19.903	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	96494	19.536	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	54091	20.140	ug/l	94
56) Ethyl methacrylate	10.871	69	57021	19.177	ug/l	90
57) 1,3-Dichloropropane	11.165	76	95408	20.265	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	195129	103.950	ug/l	99
59) 2-Hexanone	11.194	43	183694	98.071	ug/l	99
60) Dibromochloromethane	11.359	129	66371	20.855	ug/l	98
61) 1,2-Dibromoethane	11.471	107	55321	19.902	ug/l	99
64) Tetrachloroethene	11.106	164	51723	18.852	ug/l	98
65) Chlorobenzene	11.894	112	153600	19.431	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	59708	19.249	ug/l	94
67) Ethyl Benzene	11.965	91	271743	18.695	ug/l	95
68) m/p-Xylenes	12.071	106	207824	38.693	ug/l	90
69) o-Xylene	12.400	106	100922	19.210	ug/l	90
70) Styrene	12.412	104	145844	19.273	ug/l	92
71) Bromoform	12.582	173	44075	19.485	ug/l #	96
73) Isopropylbenzene	12.694	105	256666	19.172	ug/l	100
74) N-amyl acetate	12.494	43	71672	18.333	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	68726	19.158	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	64093m	19.278	ug/l	
77) Bromobenzene	12.982	156	63598	19.311	ug/l	96
78) n-propylbenzene	13.035	91	281863	19.096	ug/l	99
79) 2-Chlorotoluene	13.129	91	185449	19.245	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	225470	19.555	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	22704	17.930	ug/l #	83
82) 4-Chlorotoluene	13.223	91	187696	18.950	ug/l	97
83) tert-Butylbenzene	13.441	119	179242	18.982	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	221961	19.351	ug/l	98
85) sec-Butylbenzene	13.618	105	227693	18.850	ug/l	97
86) p-Isopropyltoluene	13.729	119	208105	19.081	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	108954	18.777	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	109271	18.656	ug/l	97
89) n-Butylbenzene	14.059	91	166636	18.296	ug/l	98
90) Hexachloroethane	14.335	117	32448	18.734	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	106612	19.350	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16081	21.312	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	59670	19.506	ug/l	97
94) Hexachlorobutadiene	15.500	225	31884	18.308	ug/l	97
95) Naphthalene	15.641	128	176721	19.024	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	57672	19.536	ug/l	99

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QLast Update : Wed Dec 13 01:57:14 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

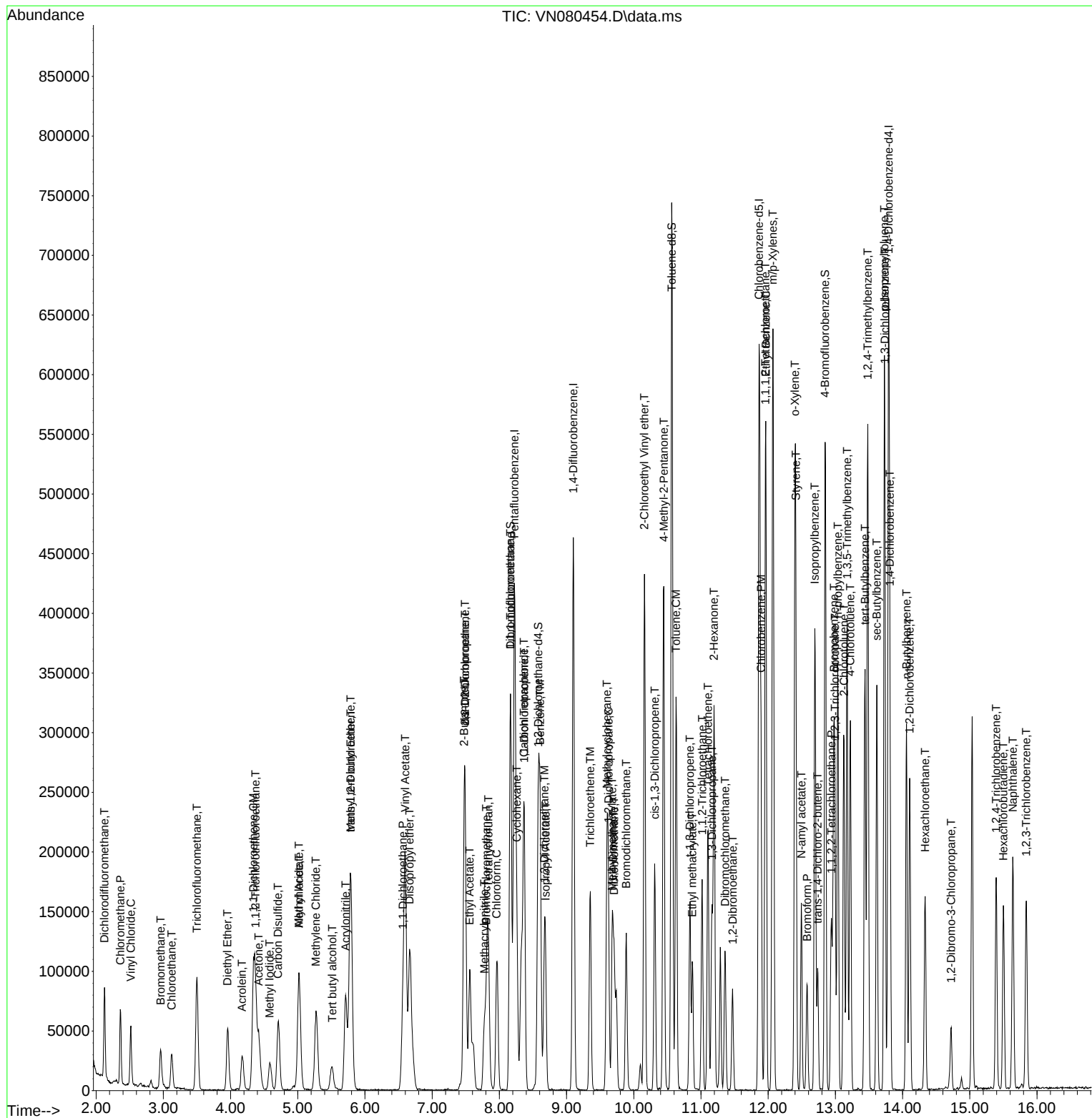
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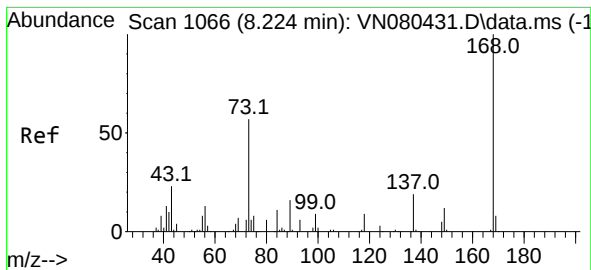
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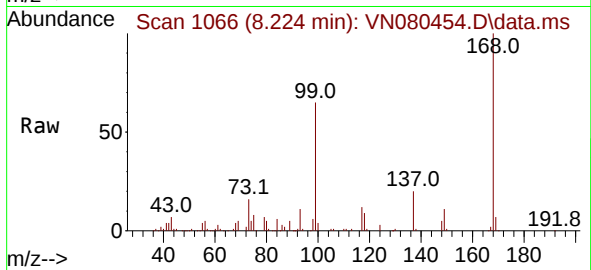
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
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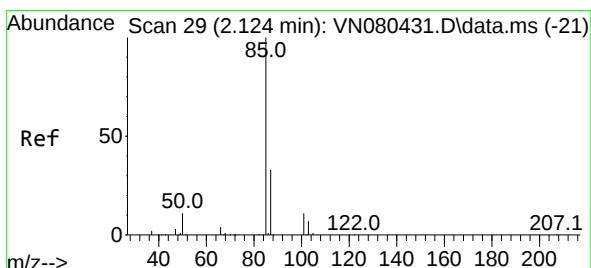
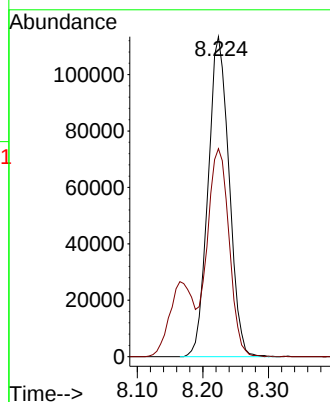
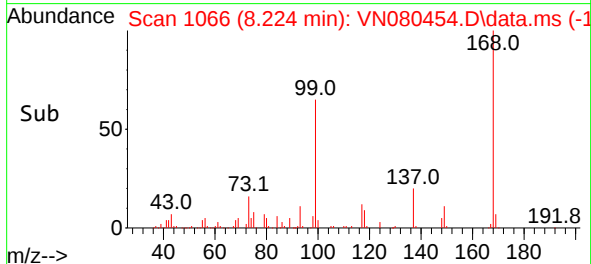
Instrument :
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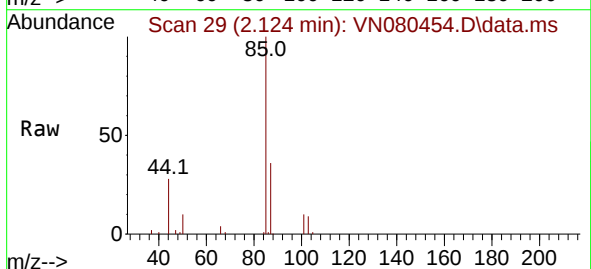
Tgt Ion:168 Resp: 25177
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6

Manual Integrations
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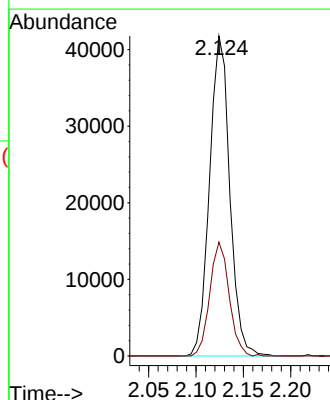
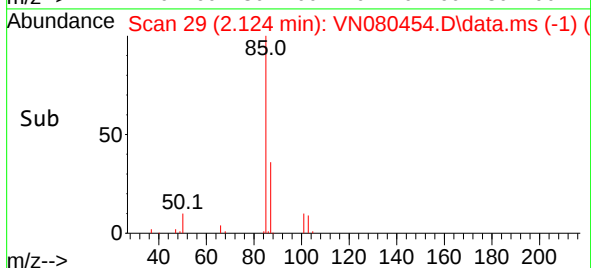
Reviewed By :John Carlone 12/14/2023
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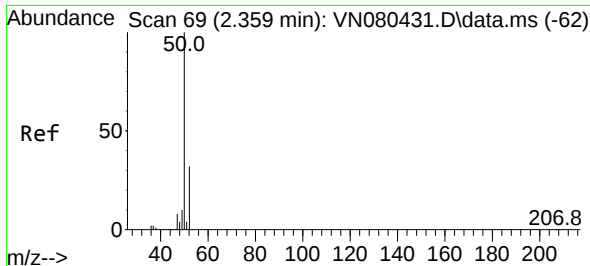


#2
Dichlorodifluoromethane
Concen: 19.248 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



Tgt Ion: 85 Resp: 61930
Ion Ratio Lower Upper
85 100
87 35.6 15.8 47.4





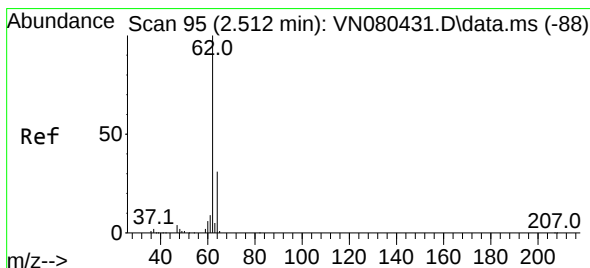
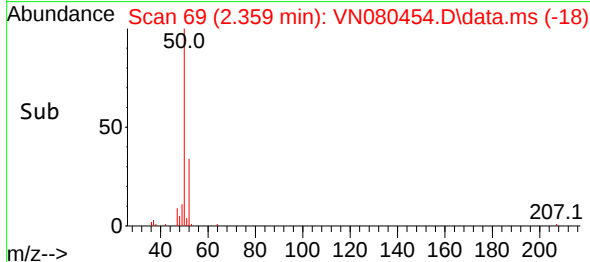
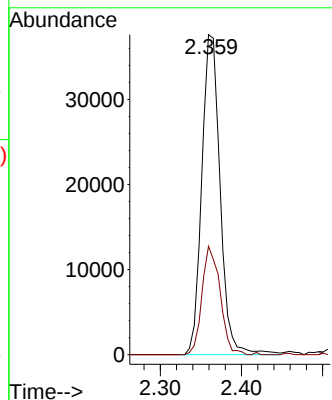
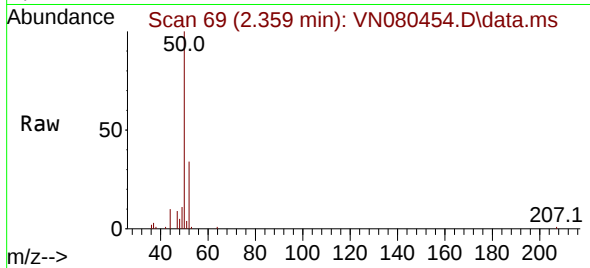
#3
Chloromethane
Concen: 17.290 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
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ClientSampleId :
VN1213WBSD01

Tgt Ion: 50 Resp: 5914
Ion Ratio Lower Upper
50 100
52 33.9 26.5 39.7

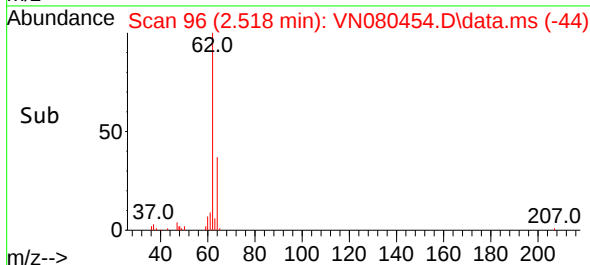
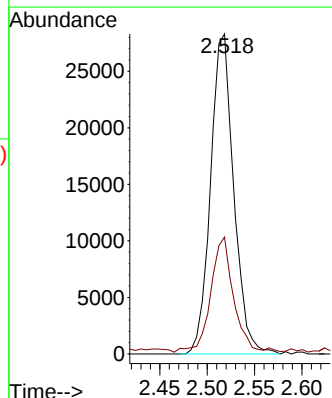
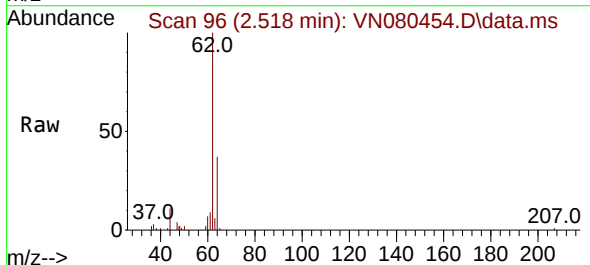
Manual Integrations
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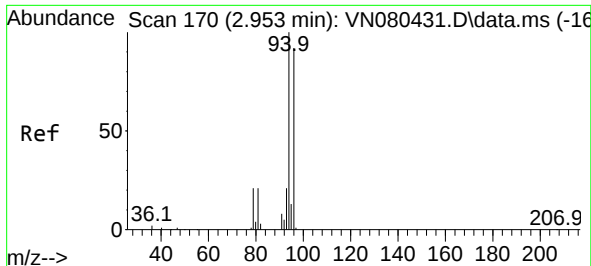
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#4
Vinyl Chloride
Concen: 17.533 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

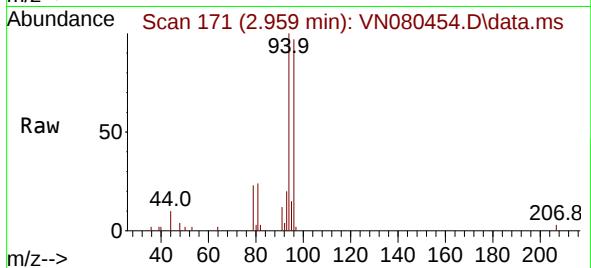
Tgt Ion: 62 Resp: 48178
Ion Ratio Lower Upper
62 100
64 35.8 26.2 39.2





#5
Bromomethane
Concen: 19.446 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

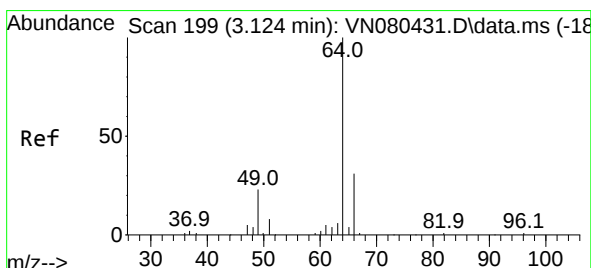
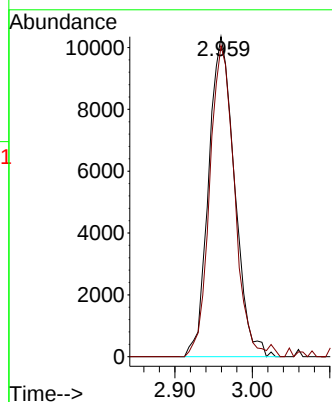
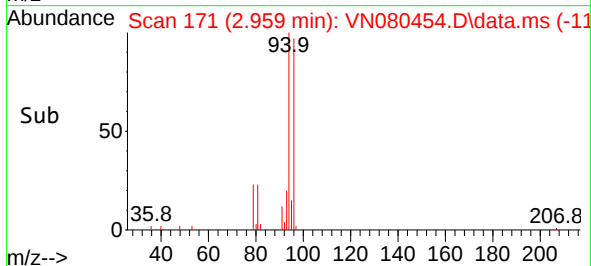
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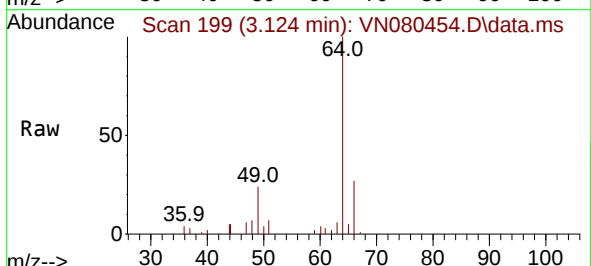
Tgt Ion: 94 Resp: 24090
Ion Ratio Lower Upper
94 100
96 97.2 73.1 109.7

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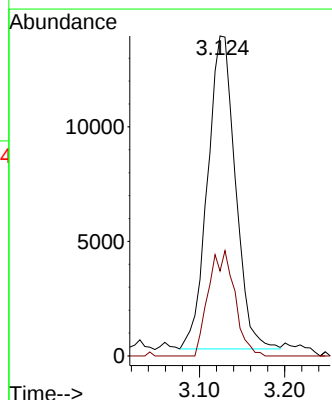
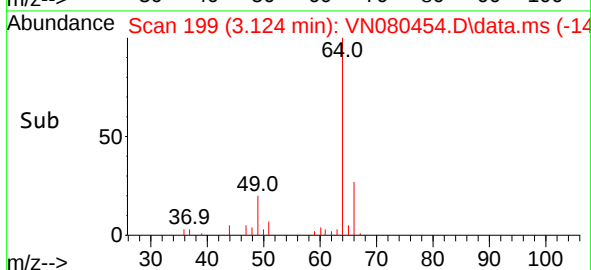
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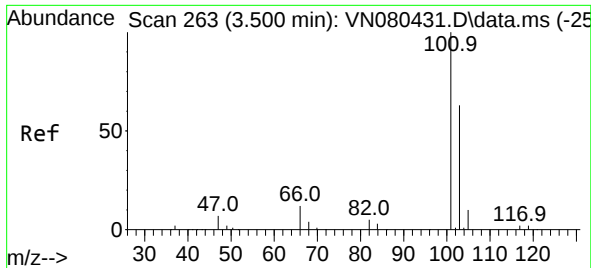


#6
Chloroethane
Concen: 17.605 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



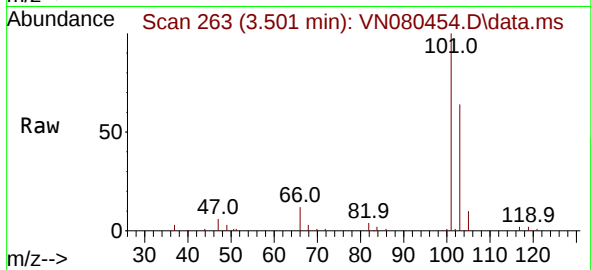
Tgt Ion: 64 Resp: 31085
Ion Ratio Lower Upper
64 100
66 27.2 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 19.307 ug/l
 RT: 3.501 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

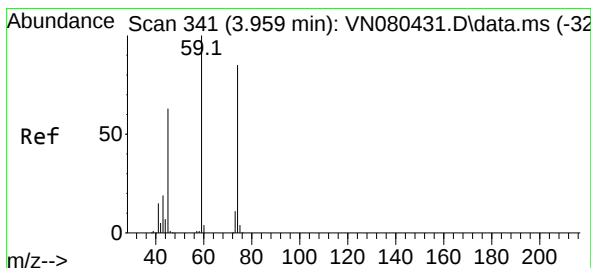
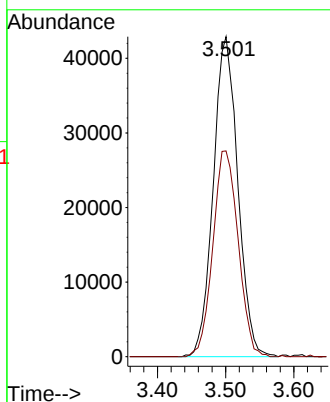
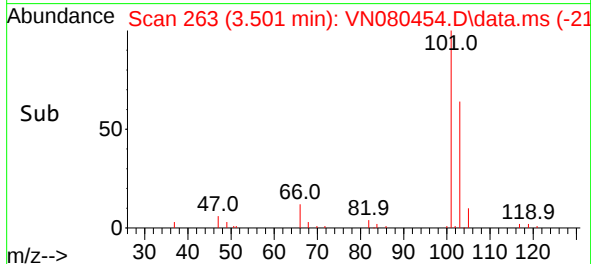
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Tgt Ion:101 Resp: 107599
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.7 76.1

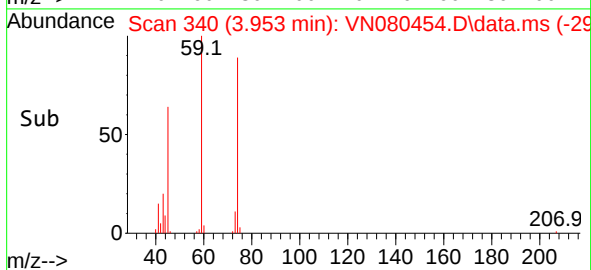
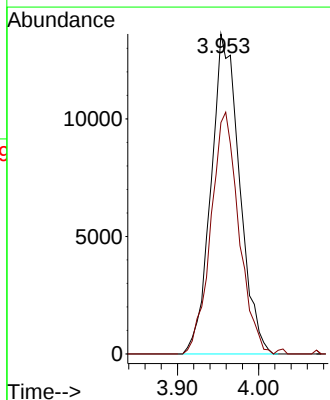
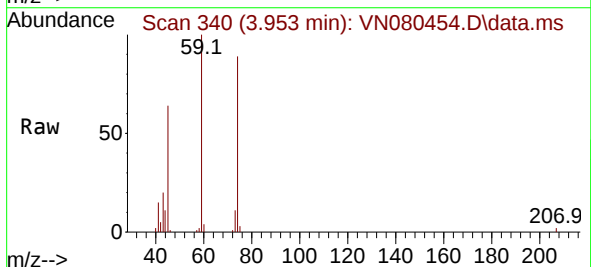
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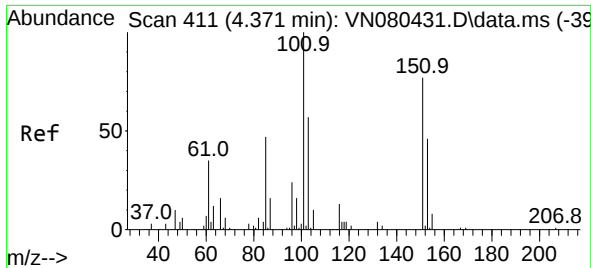
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#8
 Diethyl Ether
 Concen: 18.910 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.006 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

Tgt Ion: 74 Resp: 33196
 Ion Ratio Lower Upper
 74 100
 45 74.2 34.4 103.3





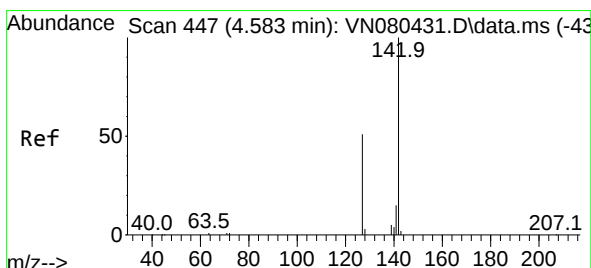
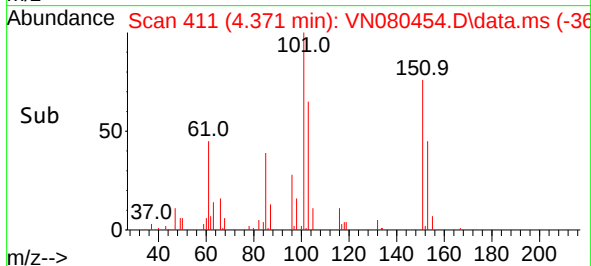
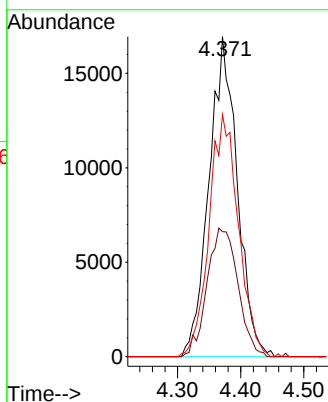
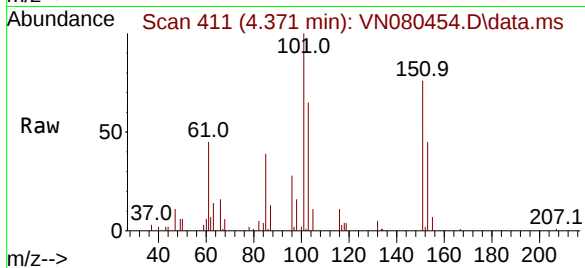
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.941 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:101 Resp: 52679
Ion Ratio Lower Upper
101 100
85 43.7 36.6 55.0
151 78.3 57.6 86.4

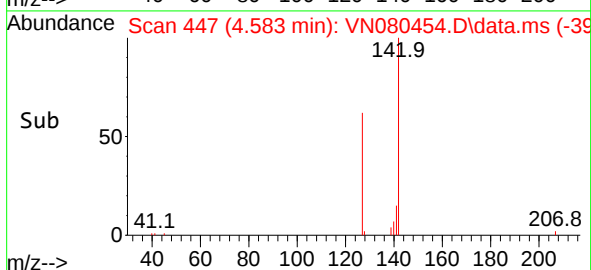
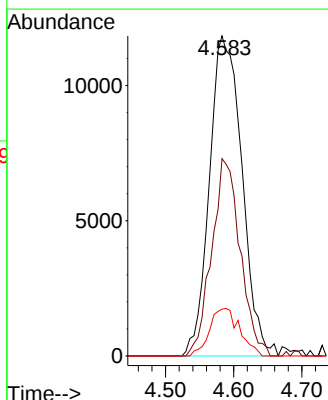
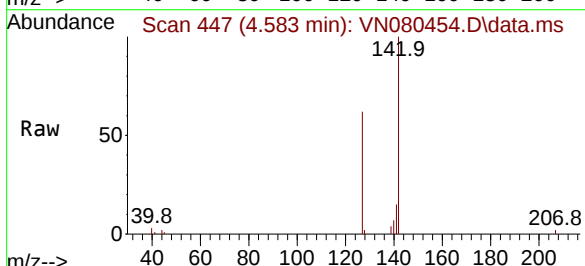
Manual Integrations
APPROVED

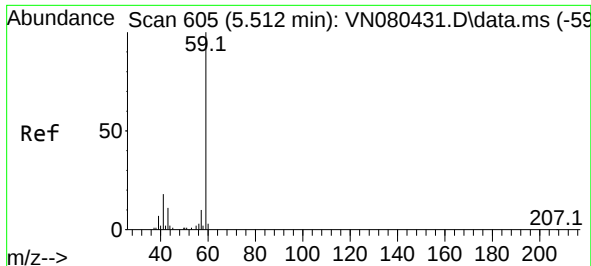
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#10
Methyl Iodide
Concen: 16.901 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

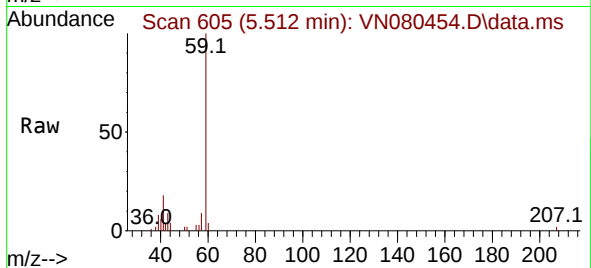
Tgt Ion:142 Resp: 39269
Ion Ratio Lower Upper
142 100
127 61.7 37.6 56.4#
141 14.6 11.4 17.0





#11
Tert butyl alcohol
Concen: 103.842 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

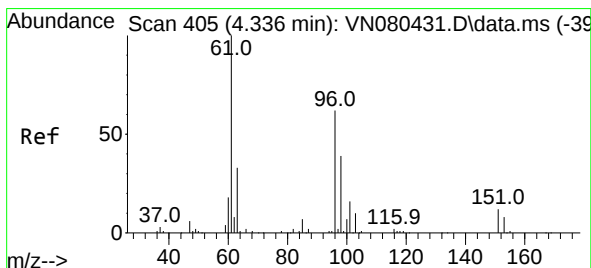
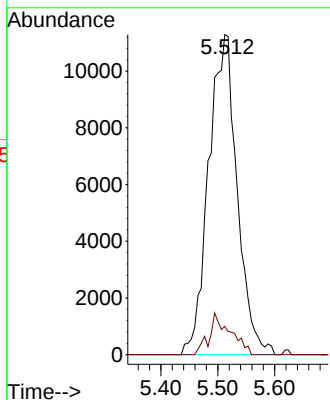
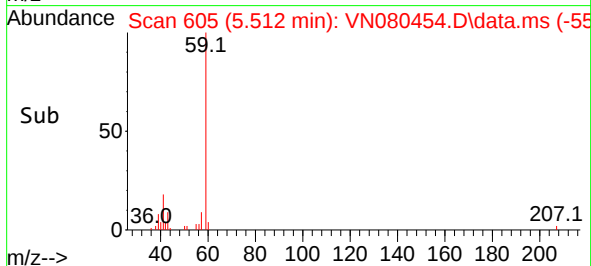
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



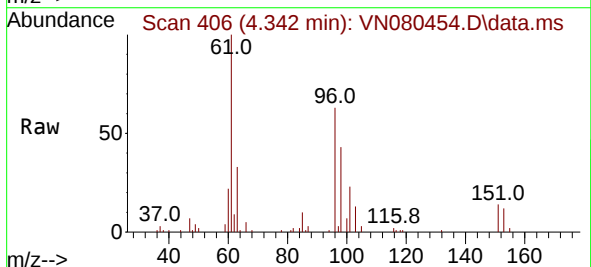
Tgt Ion: 59 Resp: 39328
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4

Manual Integrations
APPROVED

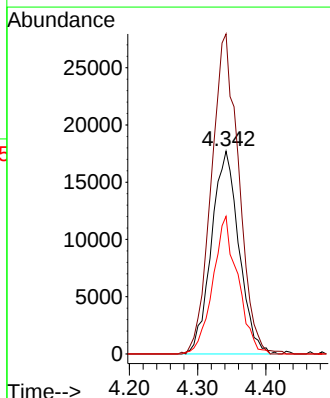
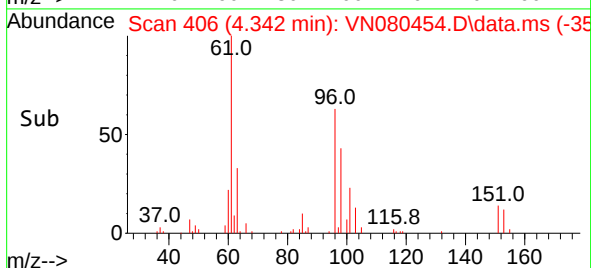
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

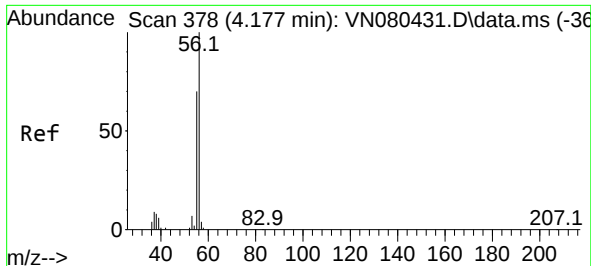


#12
1,1-Dichloroethene
Concen: 18.365 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



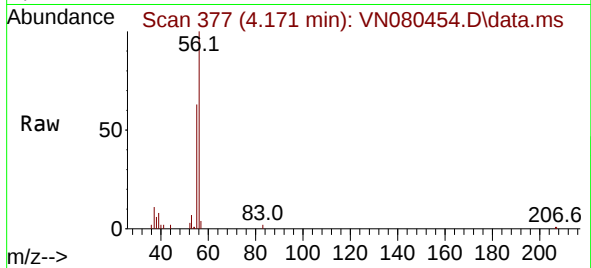
Tgt Ion: 96 Resp: 49707
Ion Ratio Lower Upper
96 100
61 157.9 112.7 169.1
98 67.9 51.2 76.8





#13
Acrolein
Concen: 92.897 ug/l
RT: 4.171 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

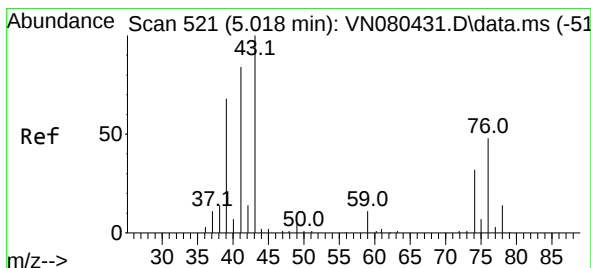
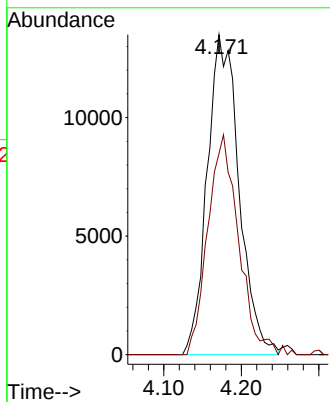
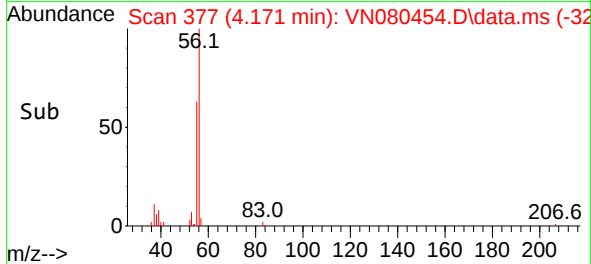
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 56 Resp: 38530
Ion Ratio Lower Upper
56 100
55 66.3 54.5 81.7

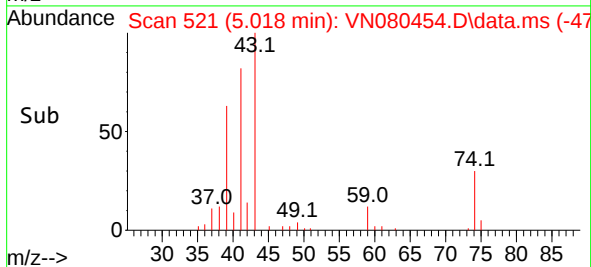
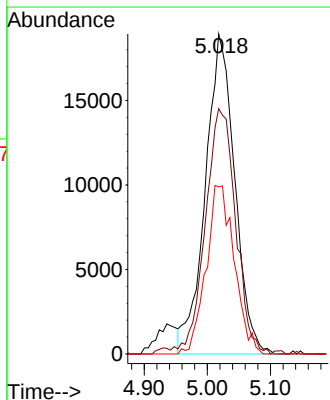
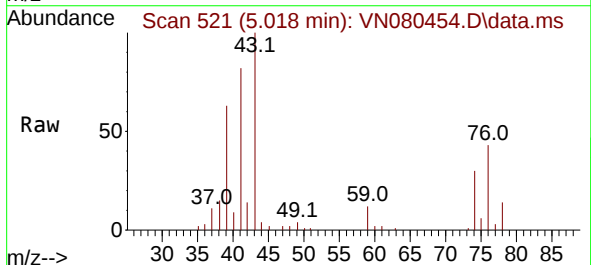
Manual Integrations
APPROVED

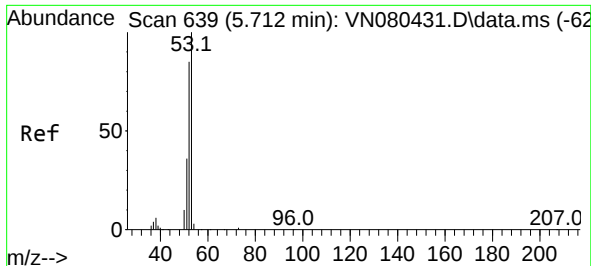
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#14
Allyl chloride
Concen: 18.293 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

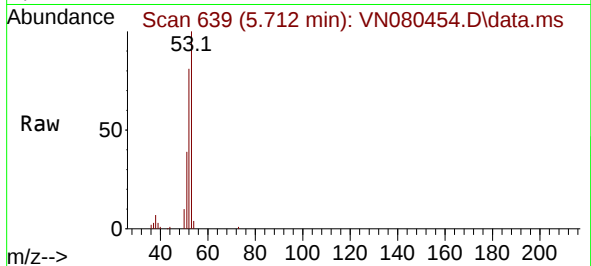
Tgt Ion: 41 Resp: 61261
Ion Ratio Lower Upper
41 100
39 79.0 58.8 88.2
76 50.4 39.1 58.7





#15
Acrylonitrile
Concen: 99.453 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

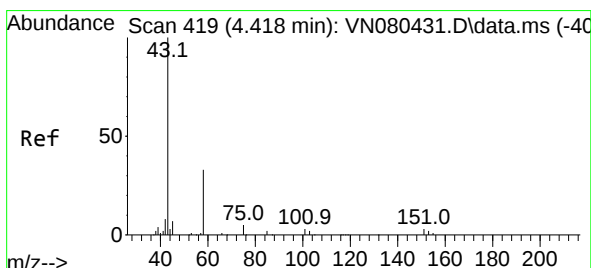
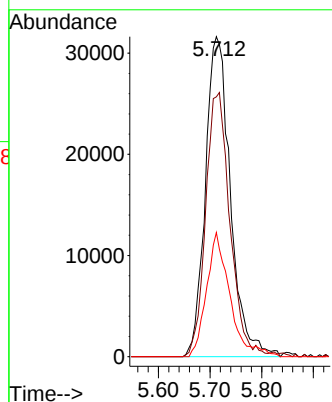
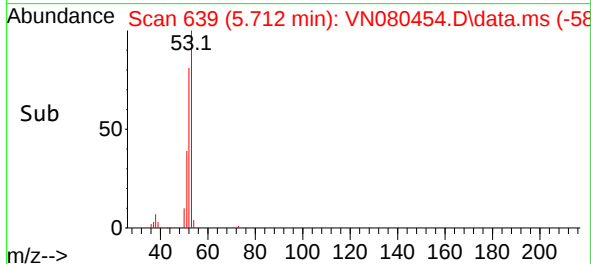
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 53 Resp: 10642
Ion Ratio Lower Upper
53 100
52 80.0 65.3 97.9
51 36.2 28.9 43.3

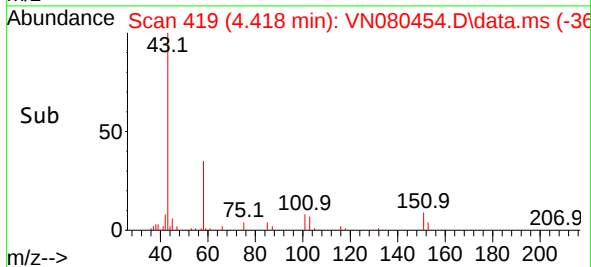
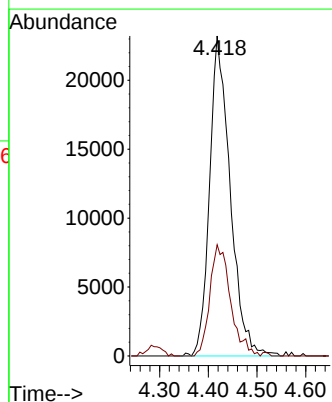
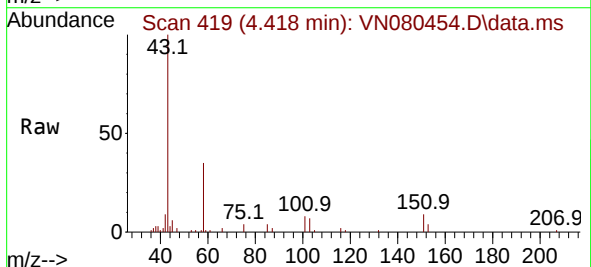
Manual Integrations
APPROVED

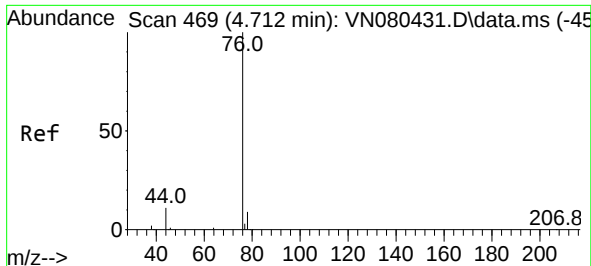
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#16
Acetone
Concen: 119.560 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

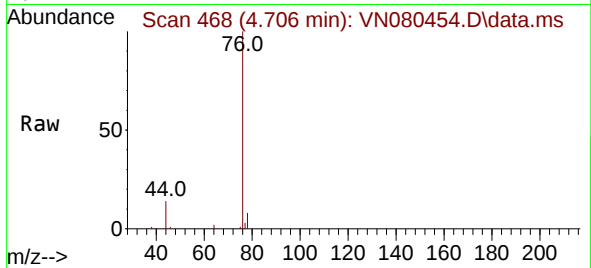
Tgt Ion: 43 Resp: 68172
Ion Ratio Lower Upper
43 100
58 34.7 28.0 42.0





#17
Carbon Disulfide
Concen: 17.504 ug/l
RT: 4.706 min Scan# 407
Delta R.T. -0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

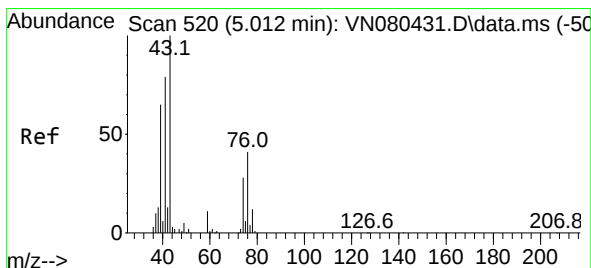
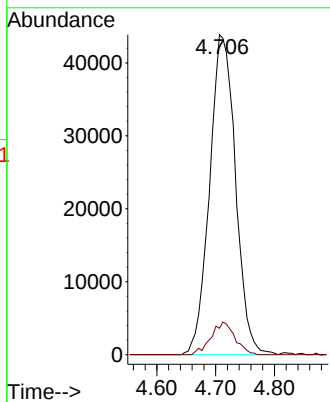
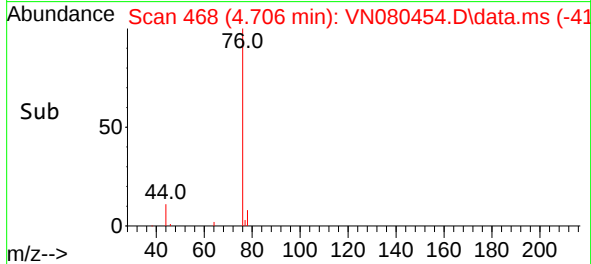
Instrument :
MSVOA_N
Client SampleId :
VN1213WBSD01



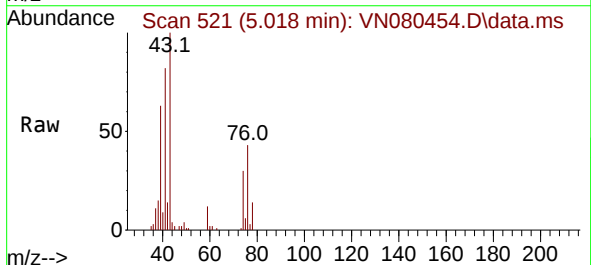
Tgt Ion: 76 Resp: 134270
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0

Manual Integrations
APPROVED

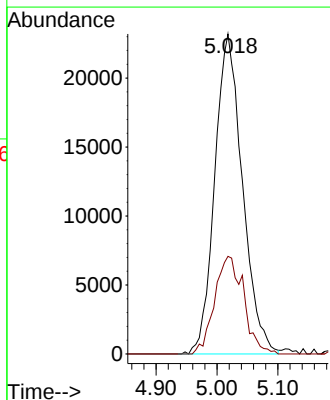
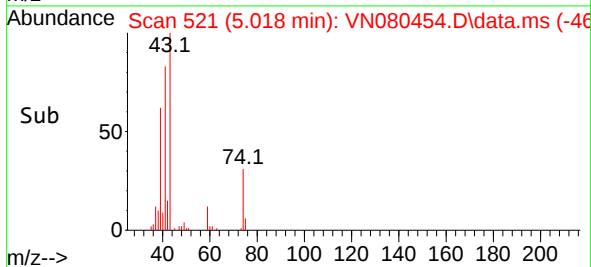
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

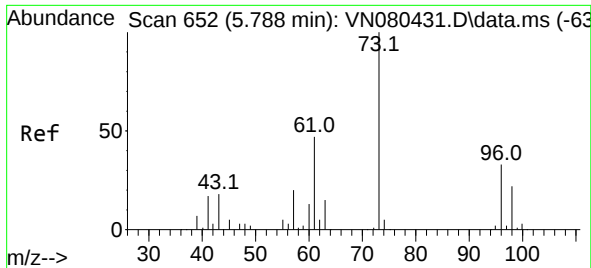


#18
Methyl Acetate
Concen: 19.972 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



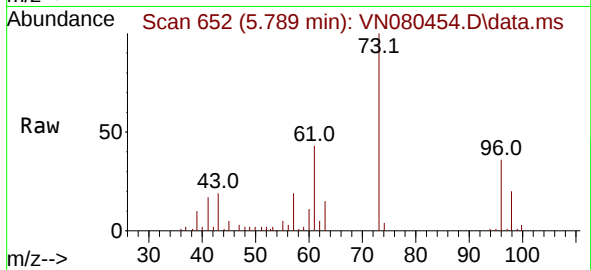
Tgt Ion: 43 Resp: 73275
Ion Ratio Lower Upper
43 100
74 32.0 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 19.953 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

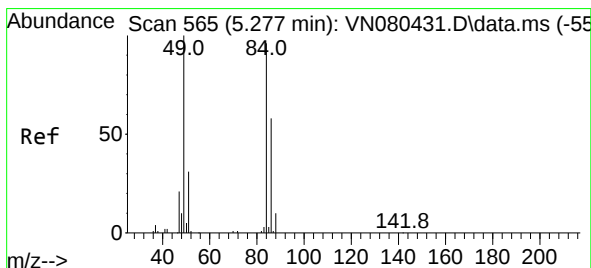
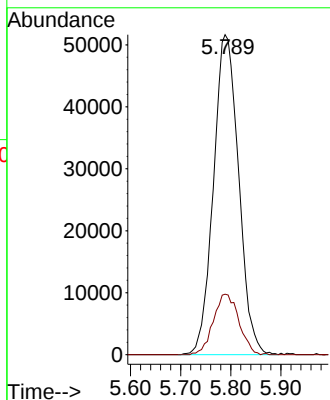
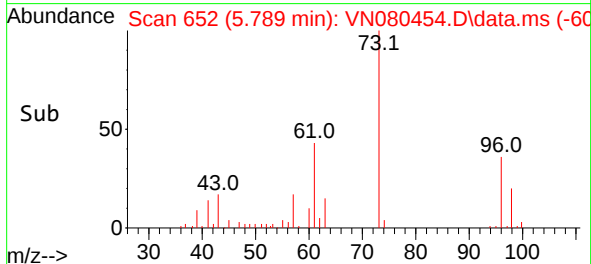
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 73 Resp: 18018
Ion Ratio Lower Upper
73 100
57 18.9 15.6 23.4

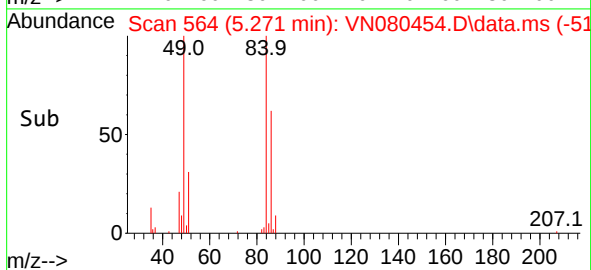
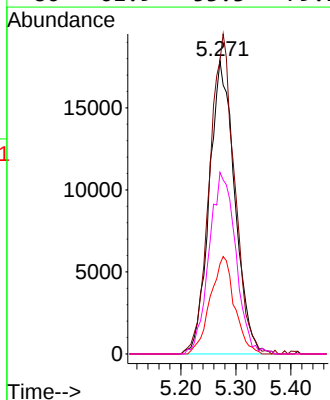
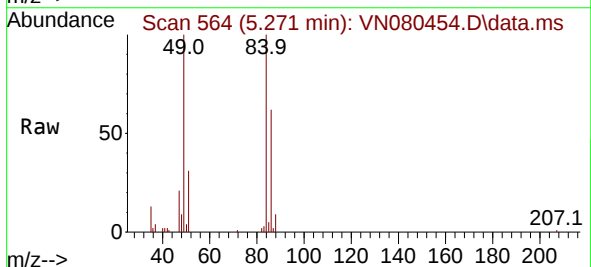
Manual Integrations
APPROVED

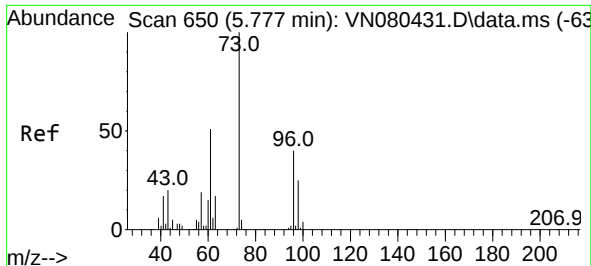
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#20
Methylene Chloride
Concen: 18.907 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion: 84 Resp: 57695
Ion Ratio Lower Upper
84 100
49 99.9 79.7 119.5
51 30.6 25.2 37.8
86 61.9 53.3 79.9





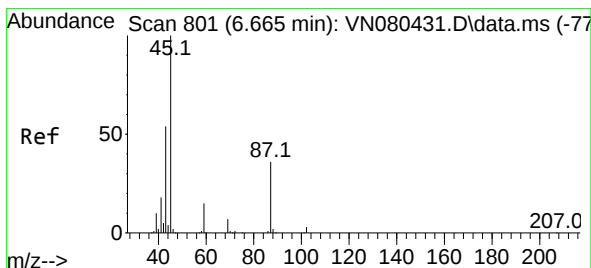
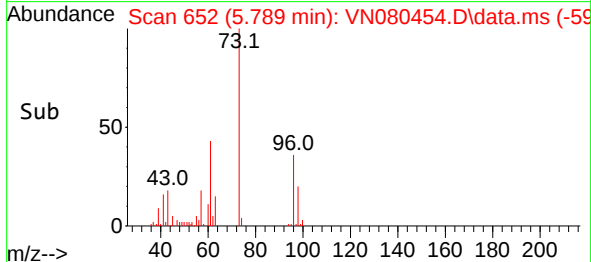
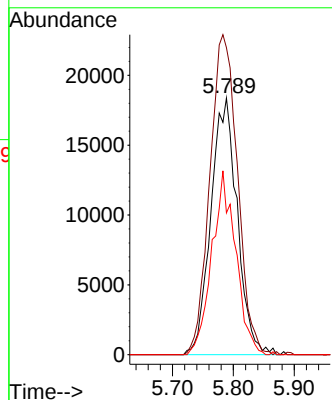
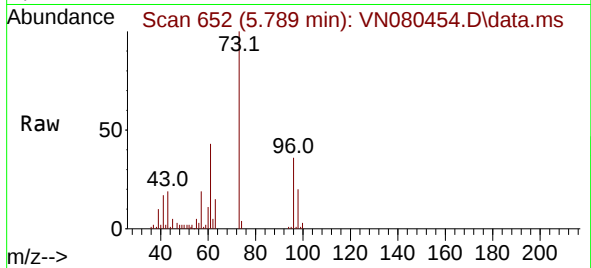
#21
trans-1,2-Dichloroethene
Concen: 18.812 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 96 Resp: 55210
Ion Ratio Lower Upper
96 100
61 119.6 90.1 135.1
98 55.2 46.4 69.6

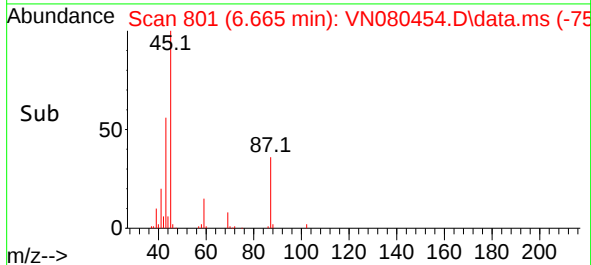
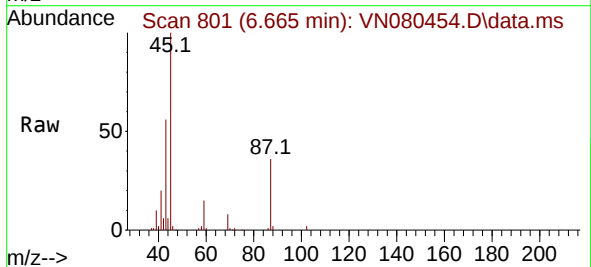
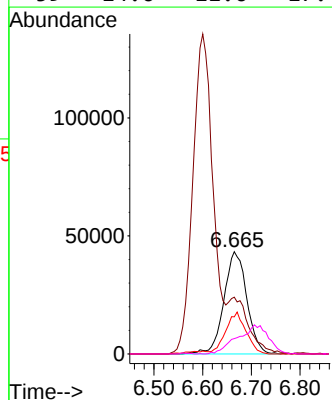
Manual Integrations
APPROVED

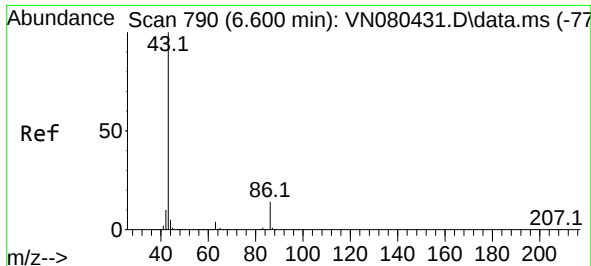
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#22
Diisopropyl ether
Concen: 19.633 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion: 45 Resp: 141902
Ion Ratio Lower Upper
45 100
43 53.8 45.5 68.3
87 36.3 31.8 47.8
59 14.6 11.6 17.4





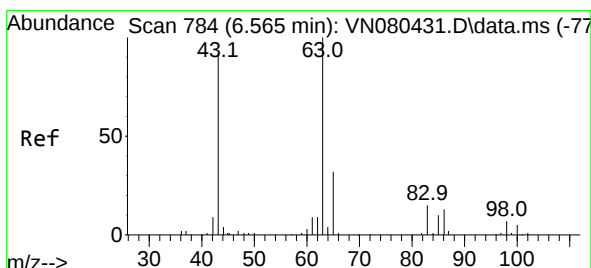
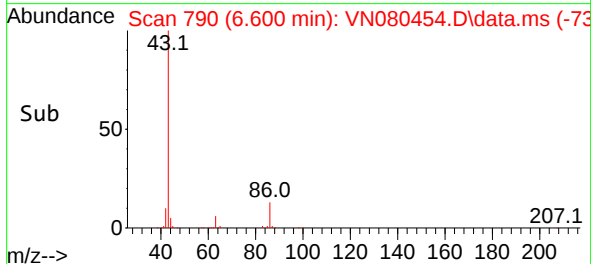
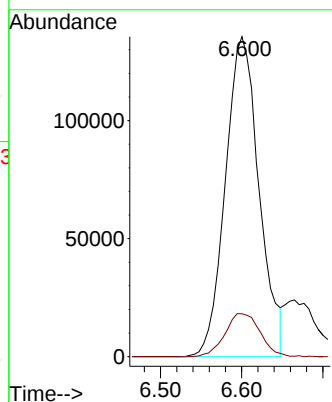
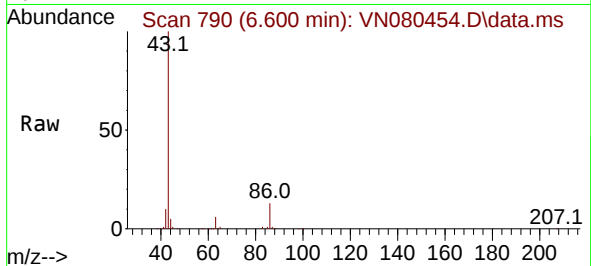
#23
 Vinyl Acetate
 Concen: 94.148 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Tgt Ion: 43 Resp: 39082
 Ion Ratio Lower Upper
 43 100
 86 13.4 13.0 19.6

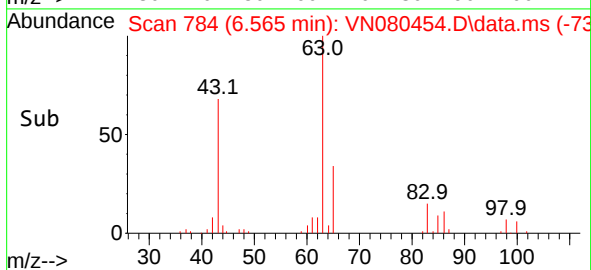
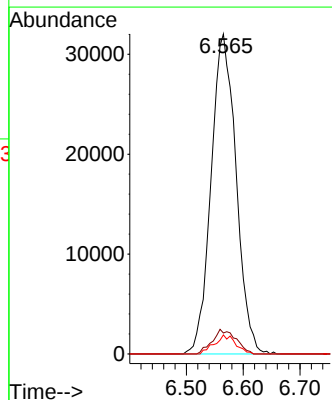
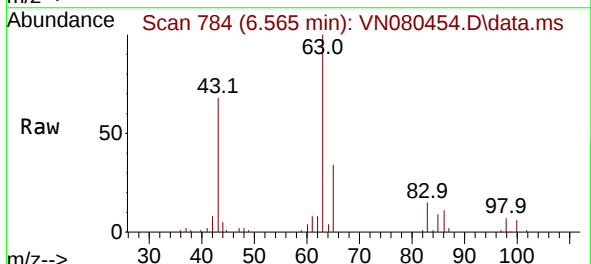
Manual Integrations
 APPROVED

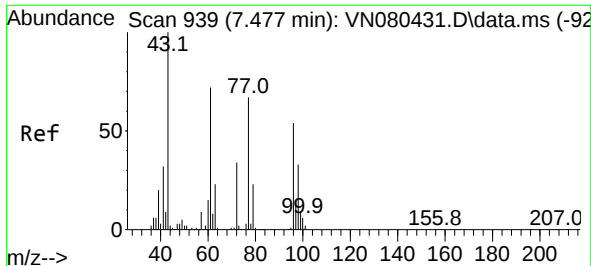
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#24
 1,1-Dichloroethane
 Concen: 19.425 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

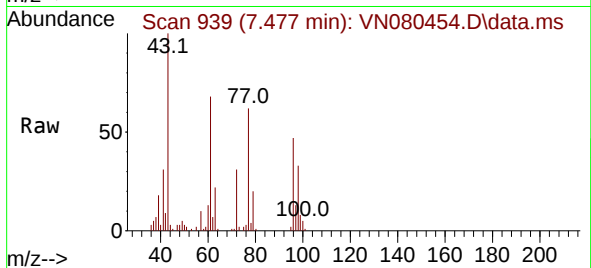
Tgt Ion: 63 Resp: 97953
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.9 11.7
 100 5.9 2.5 7.4





#25
2-Butanone
Concen: 107.605 ug/l
RT: 7.477 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

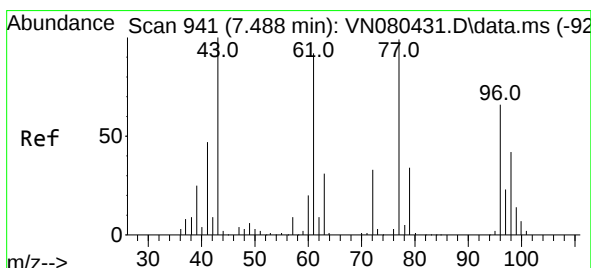
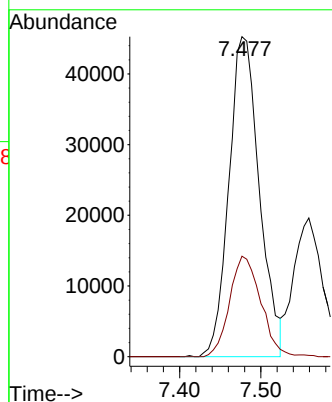
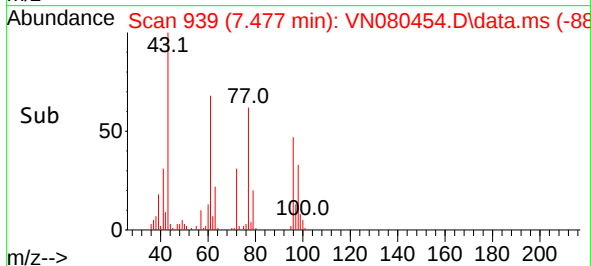
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 43 Resp: 118190
Ion Ratio Lower Upper
43 100
72 31.4 30.2 45.2

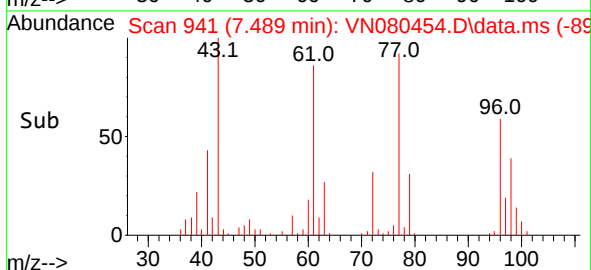
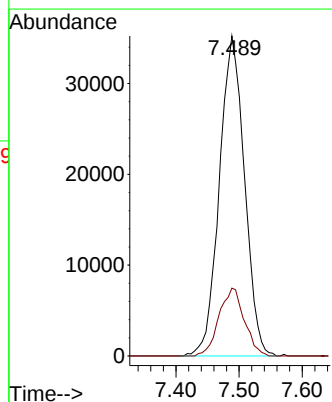
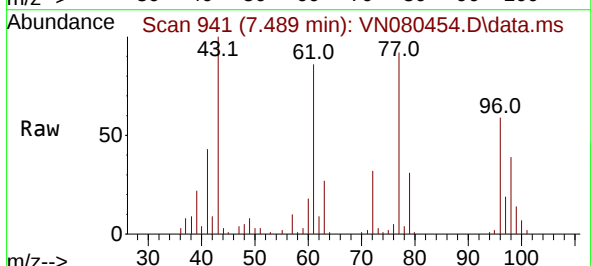
Manual Integrations
APPROVED

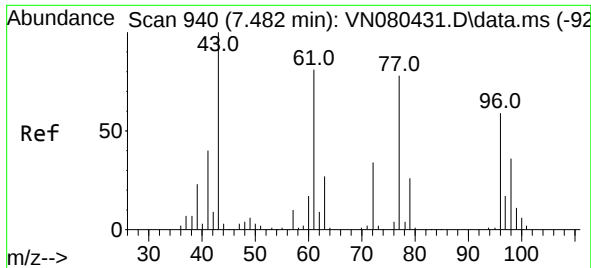
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#26
2,2-Dichloropropane
Concen: 18.891 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

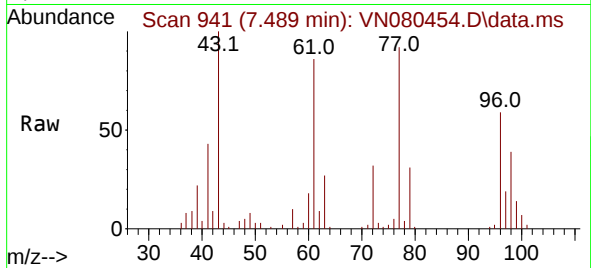
Tgt Ion: 77 Resp: 97410
Ion Ratio Lower Upper
77 100
97 21.3 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 19.084 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

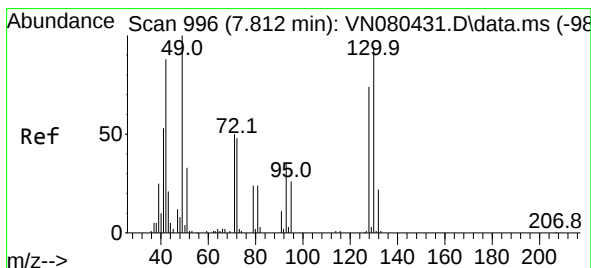
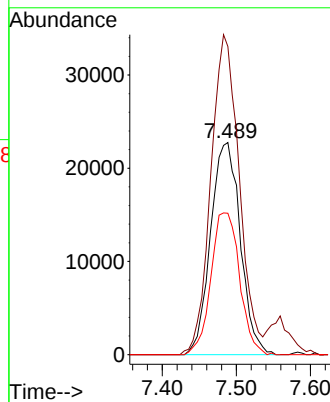
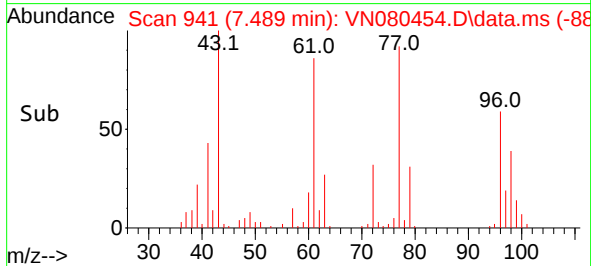
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01



Tgt Ion: 96 Resp: 63398
 Ion Ratio Lower Upper
 96 100
 61 144.1 0.0 255.2
 98 64.6 0.0 128.8

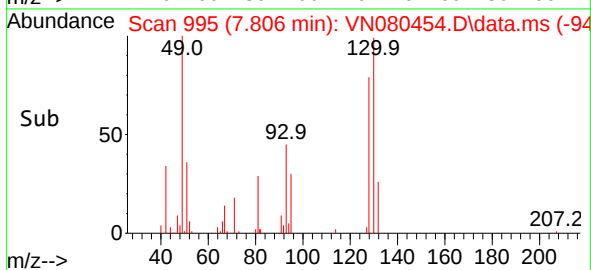
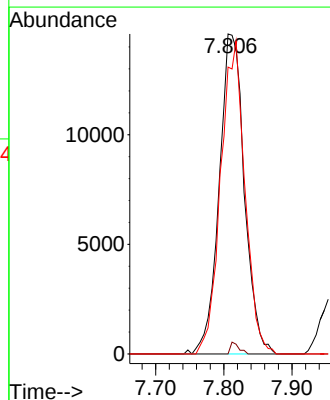
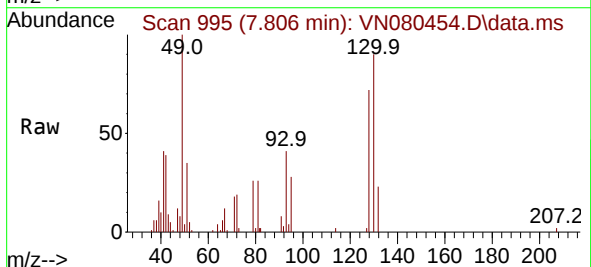
Manual Integrations
 APPROVED

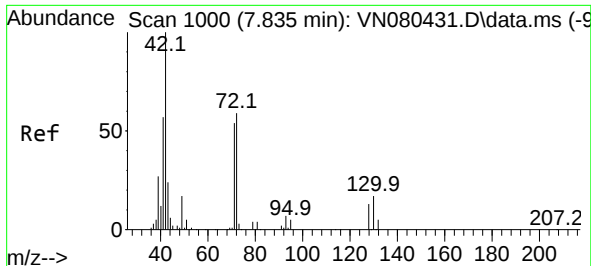
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#28
 Bromochloromethane
 Concen: 19.339 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.006 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

Tgt Ion: 49 Resp: 37444
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.8
 130 94.2 75.3 112.9





#29

Tetrahydrofuran

Concen: 98.464 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

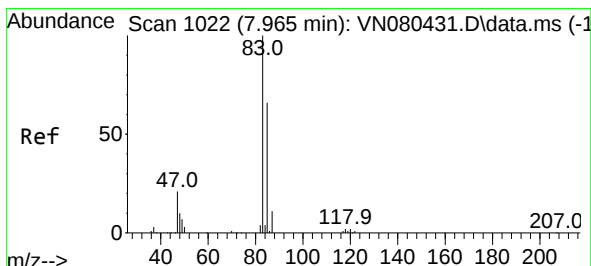
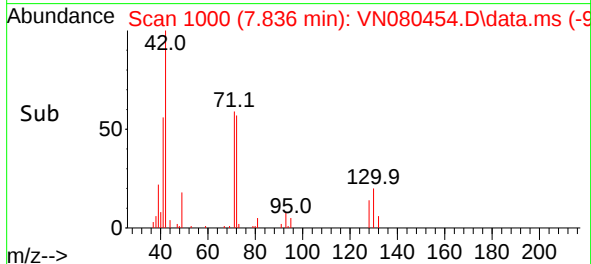
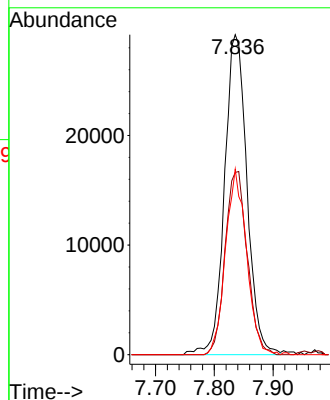
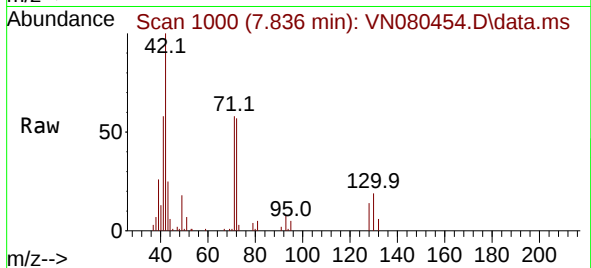
Tgt Ion:	42	Resp:	7744
Ion Ratio	Lower	Upper	
42	100		
72	56.6	49.8	74.6
71	54.2	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#30

Chloroform

Concen: 19.880 ug/l

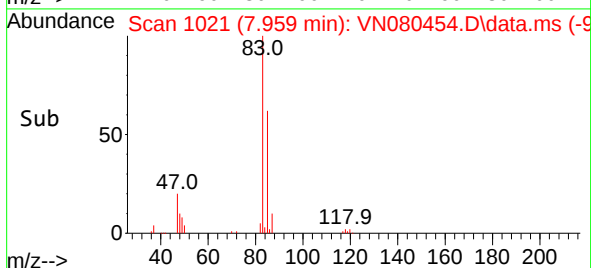
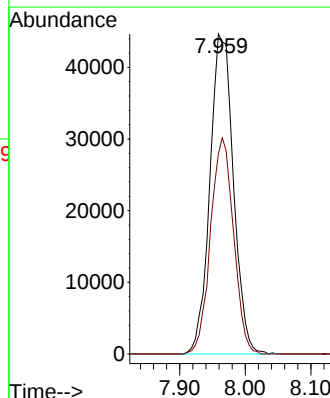
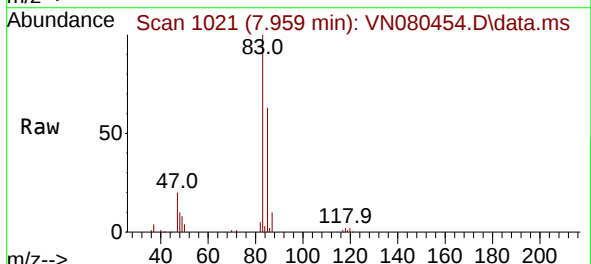
RT: 7.959 min Scan# 1021

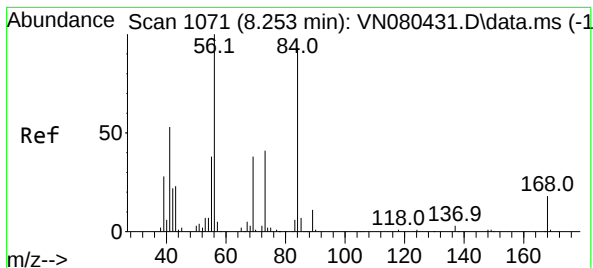
Delta R.T. -0.006 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion:	83	Resp:	111280
Ion Ratio	Lower	Upper	
83	100		
85	62.6	55.4	83.0





#31

Cyclohexane

Concen: 18.196 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 56 Resp: 7957

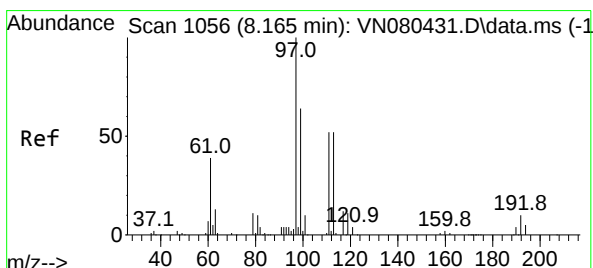
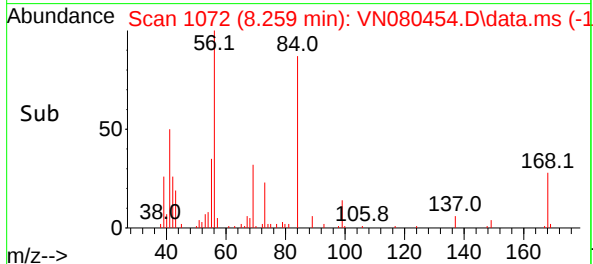
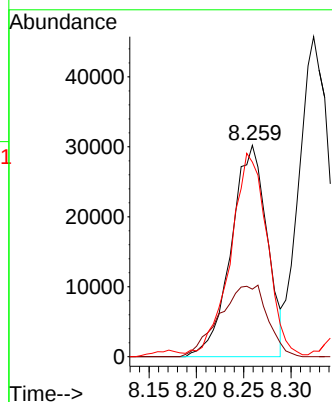
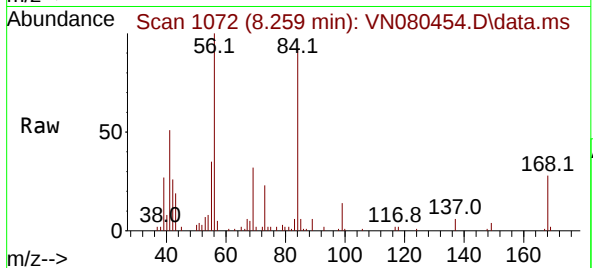
Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.8	40.2
84	90.3	81.8	122.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#32

1,1,1-Trichloroethane

Concen: 19.720 ug/l

RT: 8.165 min Scan# 1056

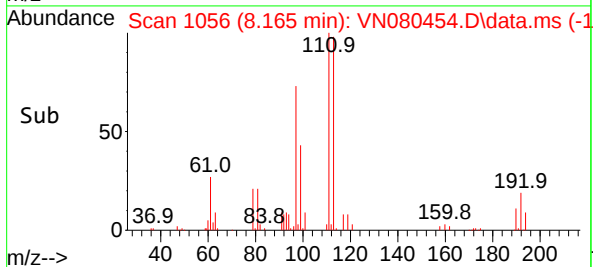
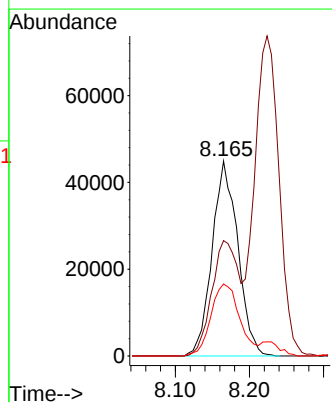
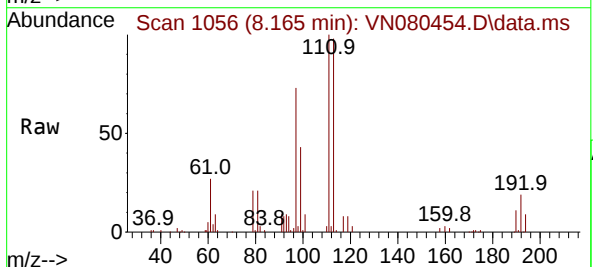
Delta R.T. 0.000 min

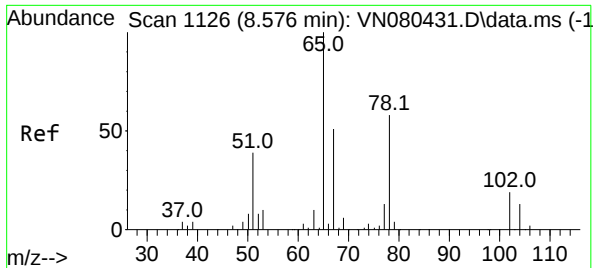
Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion: 97 Resp: 108077

Ion	Ratio	Lower	Upper
97	100		
99	60.3	50.3	75.5
61	41.5	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 60.047 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 65 Resp: 193098

Ion Ratio Lower Upper

65 100

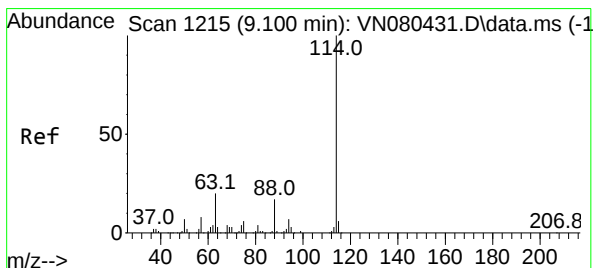
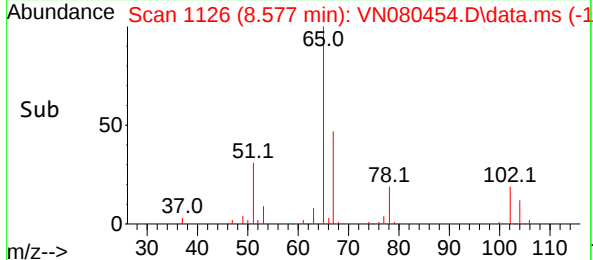
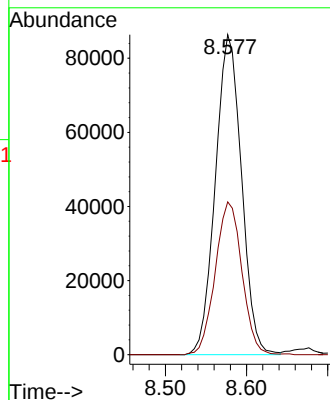
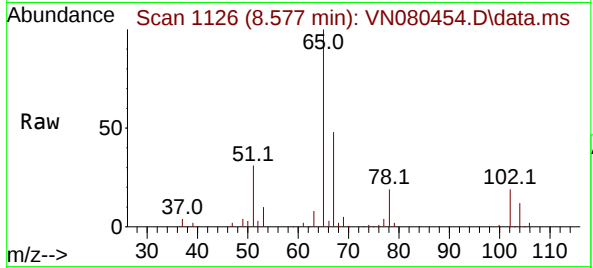
67 48.8 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

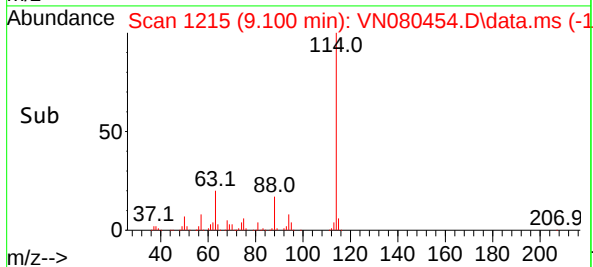
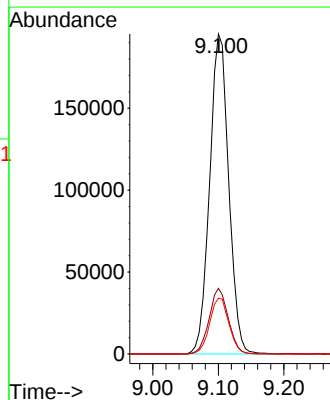
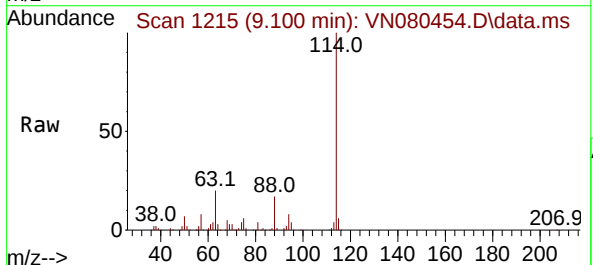
Tgt Ion:114 Resp: 394676

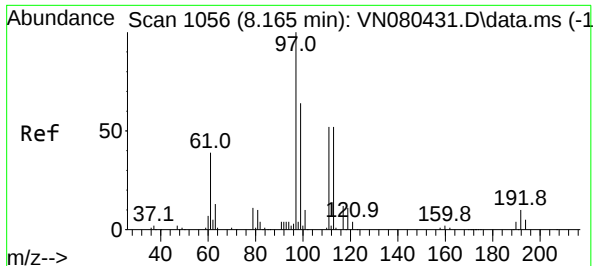
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 17.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 57.303 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

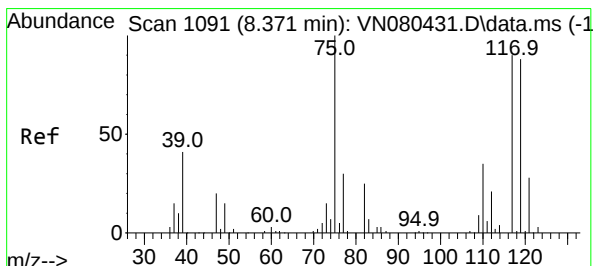
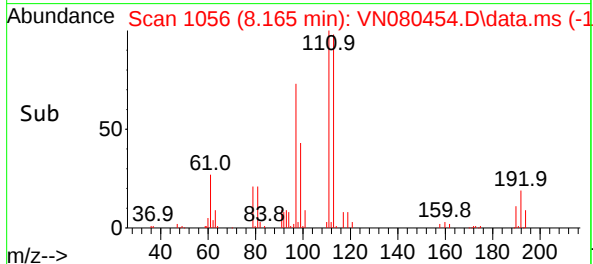
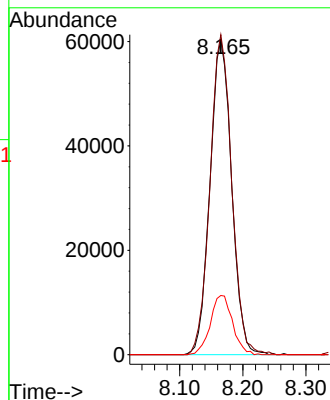
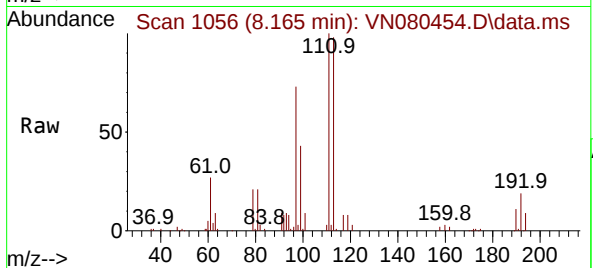
Tgt Ion: 113 Resp: 143390
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 19.3 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#36

1,1-Dichloropropene

Concen: 19.534 ug/l

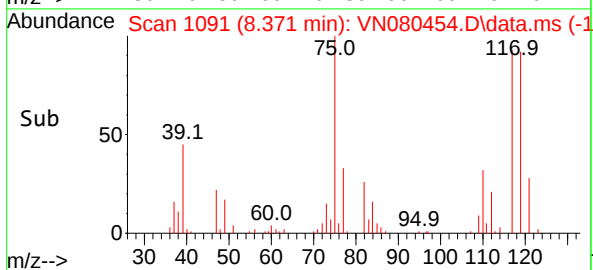
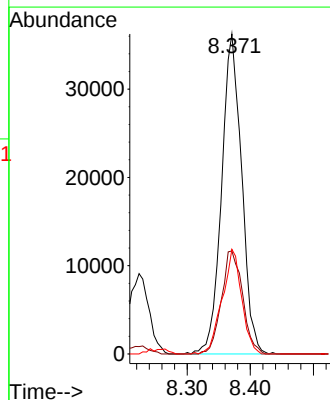
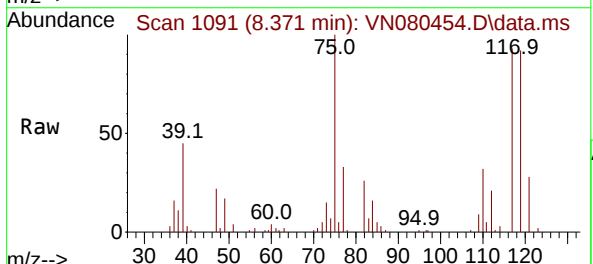
RT: 8.371 min Scan# 1091

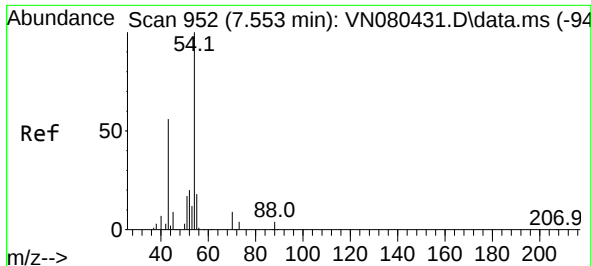
Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion: 75 Resp: 79927
 Ion Ratio Lower Upper
 75 100
 110 34.0 19.1 57.3
 77 31.8 25.0 37.4





#37

Ethyl Acetate

Concen: 19.683 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

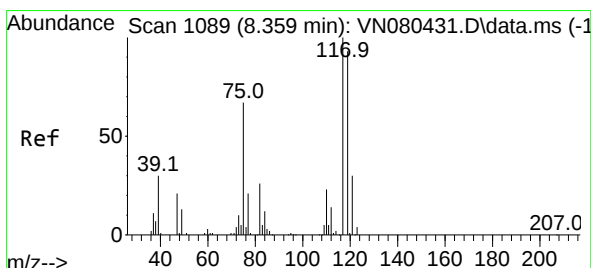
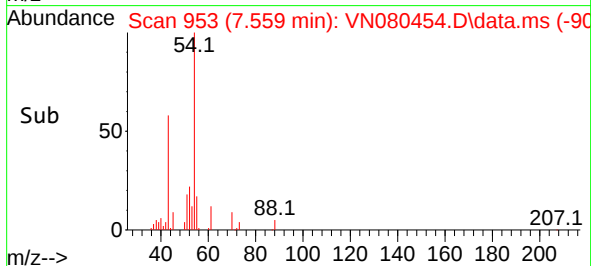
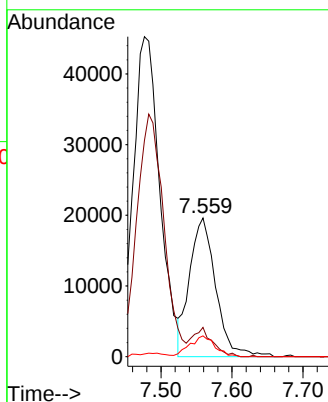
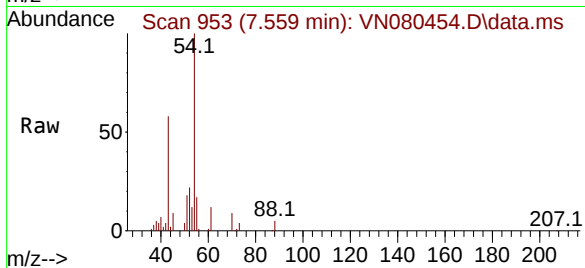
VN1213WBSD01

Tgt Ion: 43 Resp: 5043

Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.2	19.8
70	14.2	11.3	16.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#38

Carbon Tetrachloride

Concen: 19.574 ug/l

RT: 8.365 min Scan# 1090

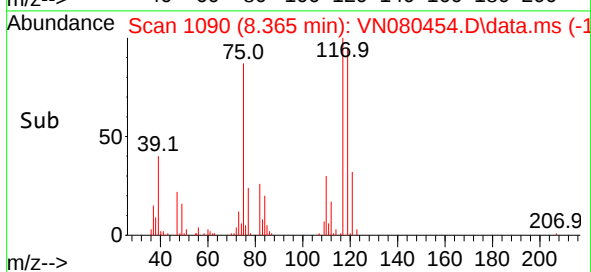
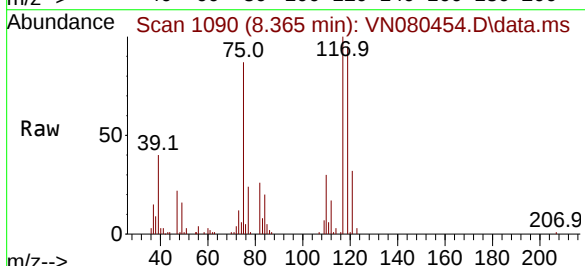
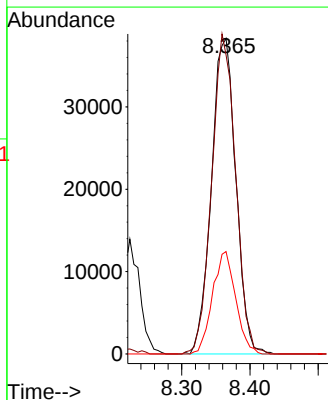
Delta R.T. 0.006 min

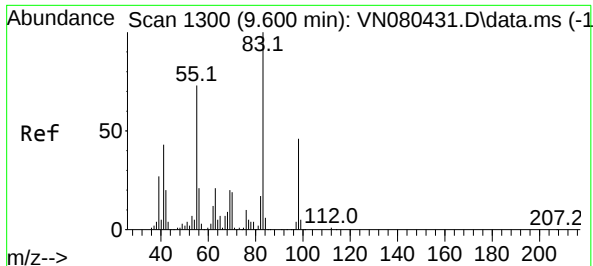
Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion:117 Resp: 95699

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	32.5	23.3	34.9





#39

Methylcyclohexane

Concen: 18.502 ug/l

RT: 9.600 min Scan# 111

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

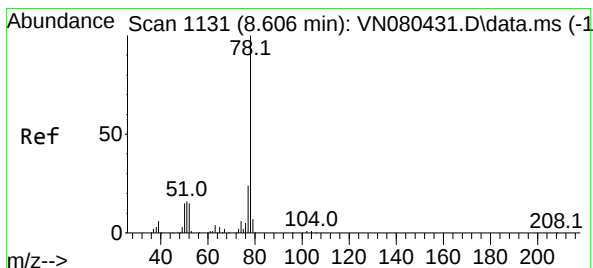
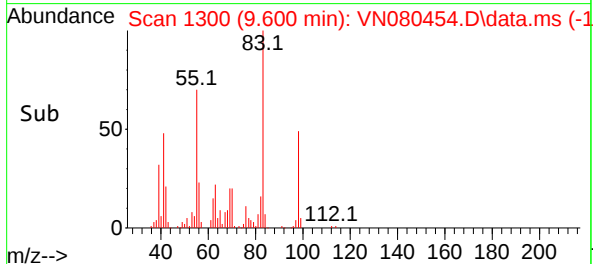
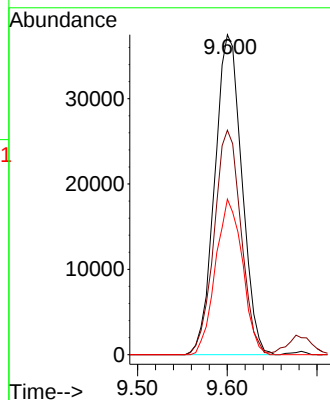
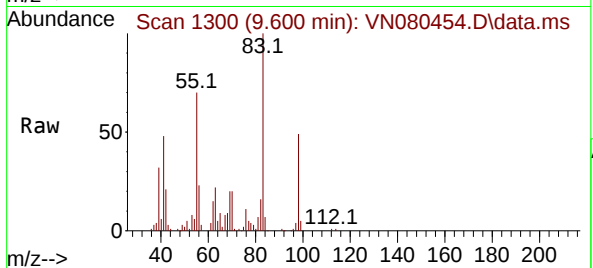
Tgt Ion:	83	Resp:	7864
Ion Ratio	Lower	Upper	
83	100		
55	70.1	49.1	73.7
98	48.6	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#40

Benzene

Concen: 19.470 ug/l

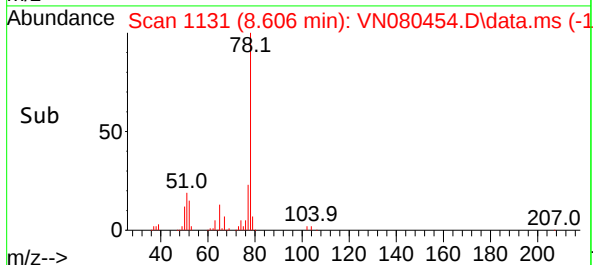
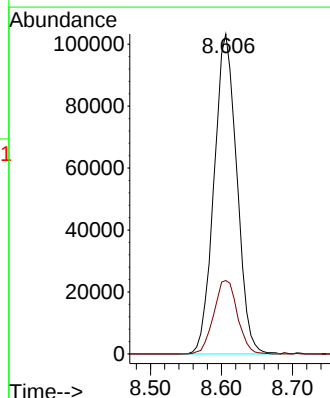
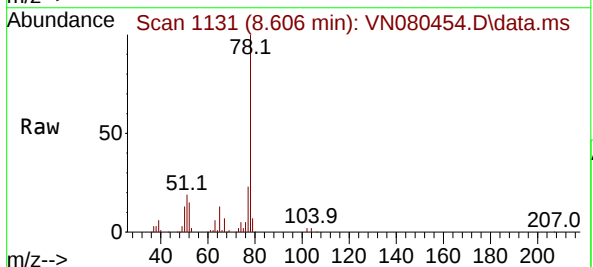
RT: 8.606 min Scan# 1131

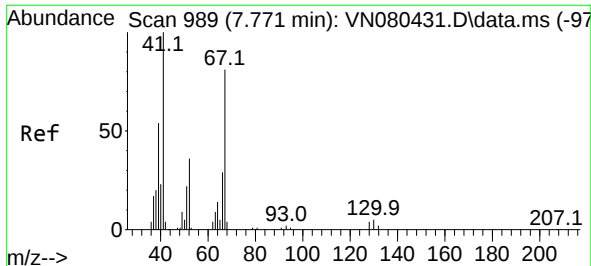
Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion:	78	Resp:	230041
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.0	28.6





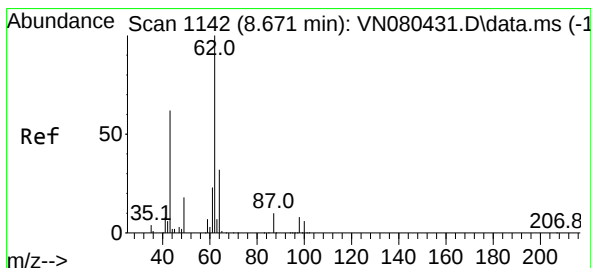
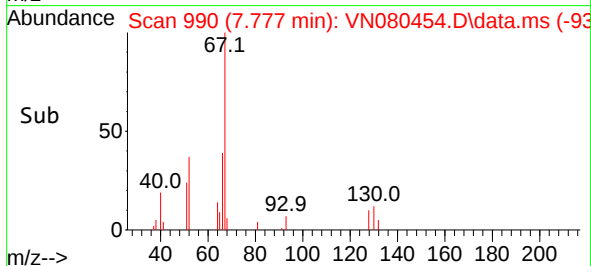
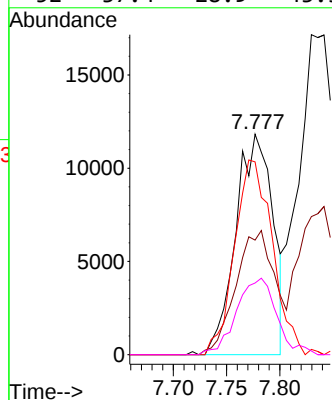
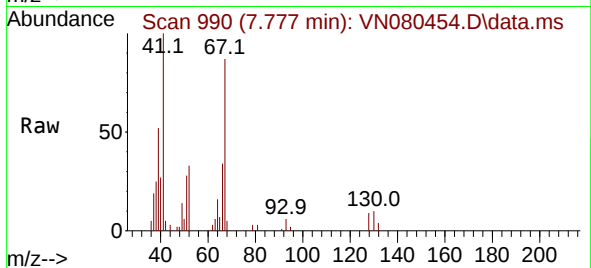
#41
Methacrylonitrile
Concen: 19.374 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 41	Resp: 2861
Ion Ratio	Lower Upper
41 100	
39 60.4	42.6 64.0
67 90.7	77.5 116.3
52 37.4	28.9 43.3

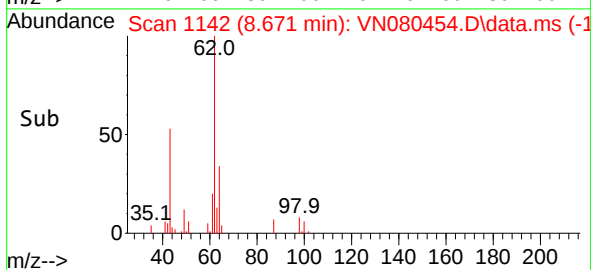
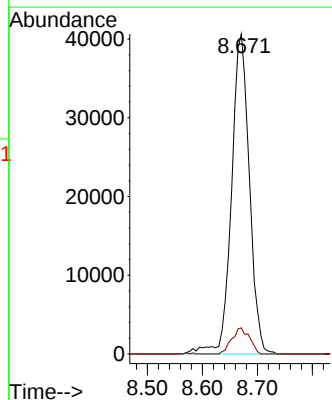
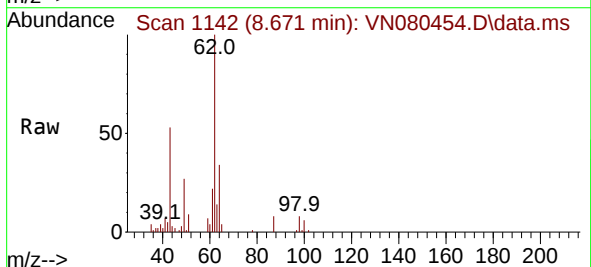
Manual Integrations
APPROVED

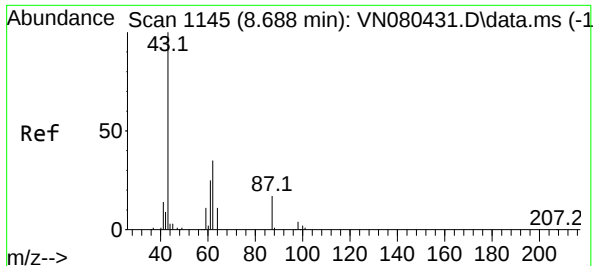
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#42
1,2-Dichloroethane
Concen: 21.004 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

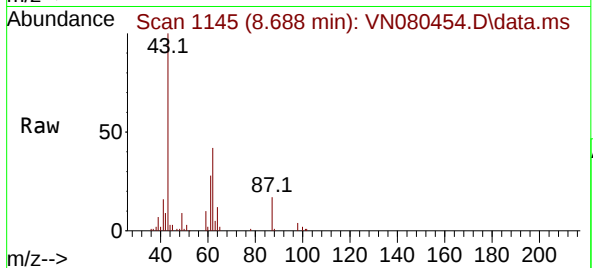
Tgt Ion: 62	Resp: 91899
Ion Ratio	Lower Upper
62 100	
98 8.1	0.0 19.8





#43
Isopropyl Acetate
Concen: 19.660 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

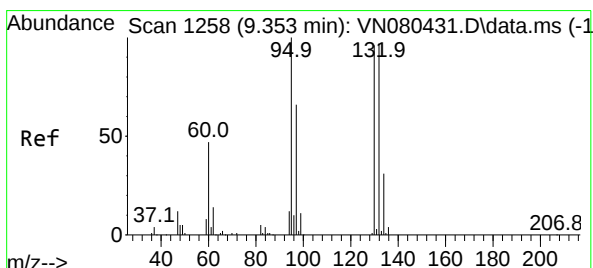
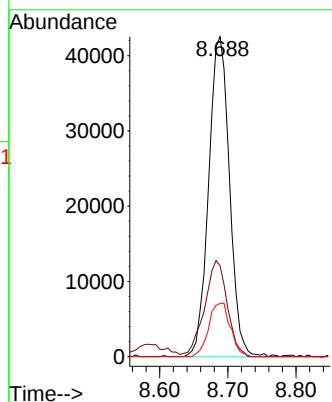
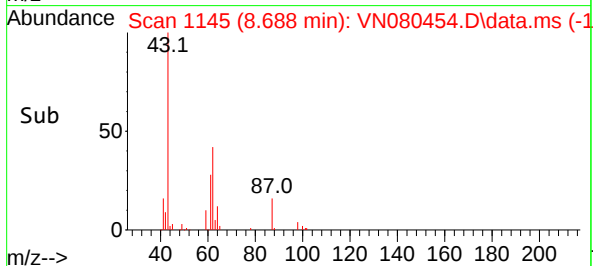
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 43 Resp: 90572
Ion Ratio Lower Upper
43 100
61 32.8 24.7 37.1
87 17.4 14.6 21.8

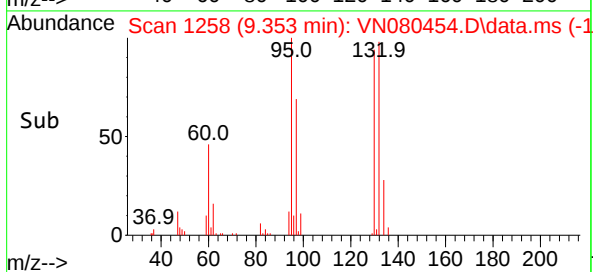
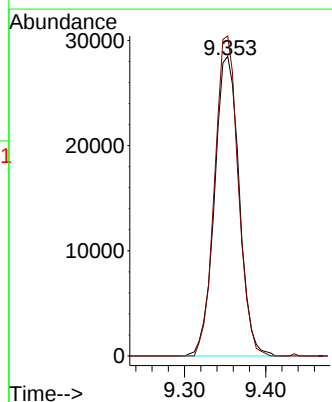
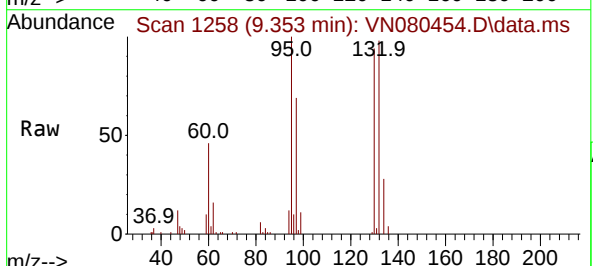
Manual Integrations
APPROVED

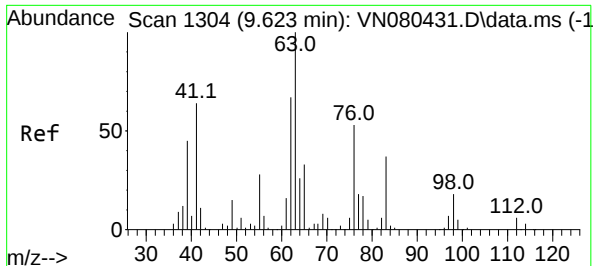
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#44
Trichloroethene
Concen: 18.881 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion:130 Resp: 60140
Ion Ratio Lower Upper
130 100
95 106.8 0.0 204.6





#45

1,2-Dichloropropane

Concen: 19.289 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 63 Resp: 5352

Ion Ratio Lower Upper

63 100

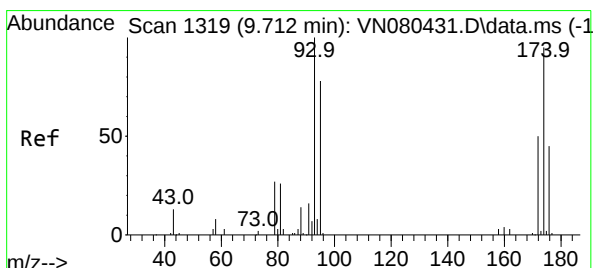
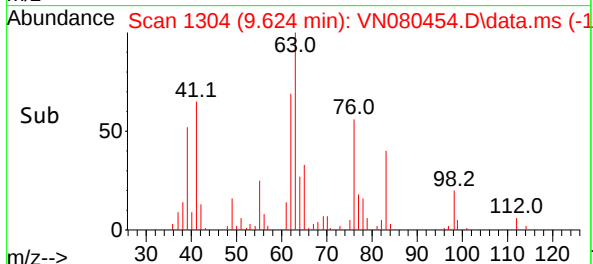
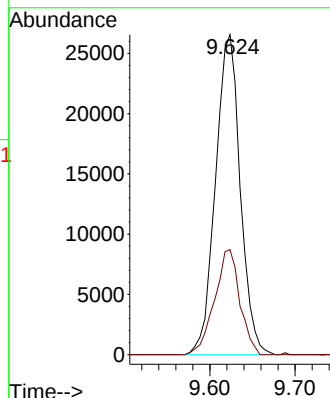
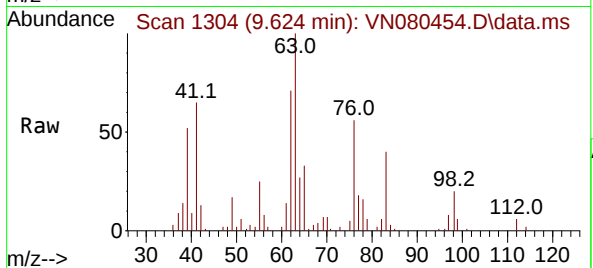
65 32.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#46

Dibromomethane

Concen: 20.247 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

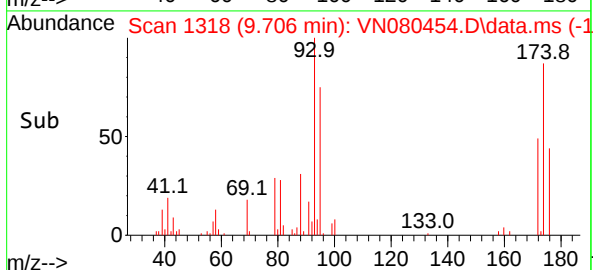
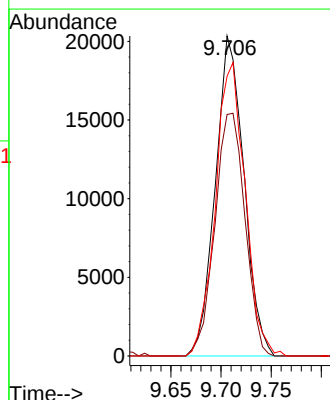
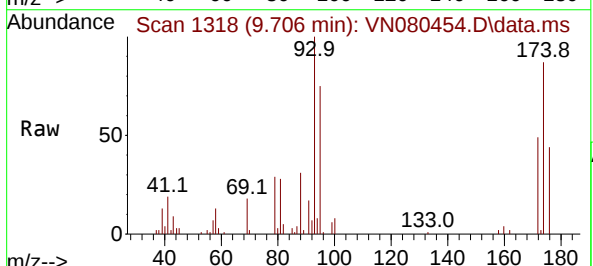
Tgt Ion: 93 Resp: 40349

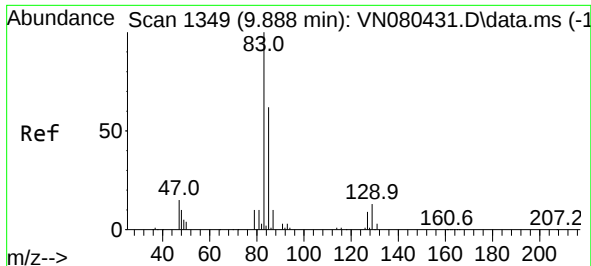
Ion Ratio Lower Upper

93 100

95 79.9 63.8 95.8

174 95.3 65.6 98.4





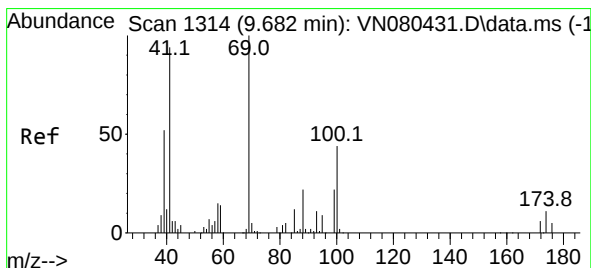
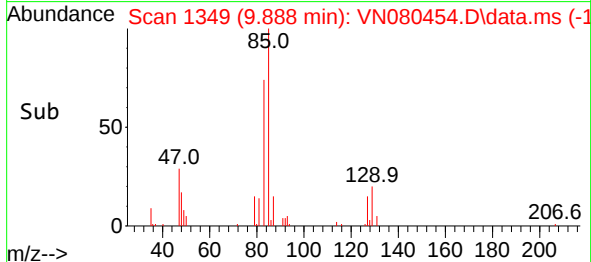
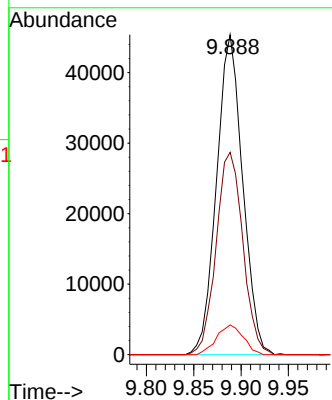
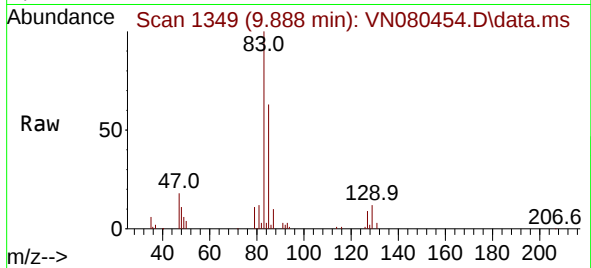
#47
Bromodichloromethane
Concen: 20.383 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 83 Resp: 8705
Ion Ratio Lower Upper
83 100
85 63.2 49.6 74.4
127 9.3 7.0 10.6

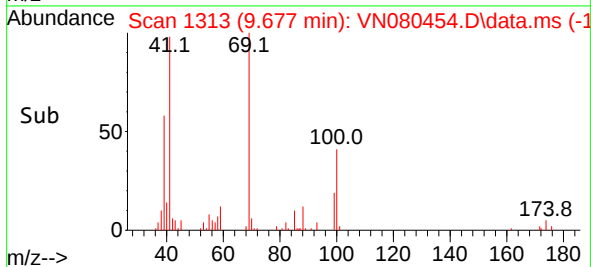
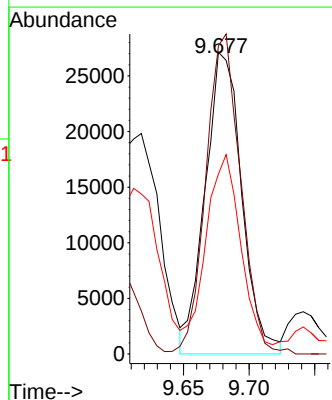
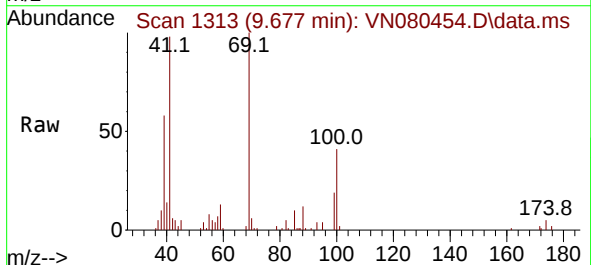
Manual Integrations
APPROVED

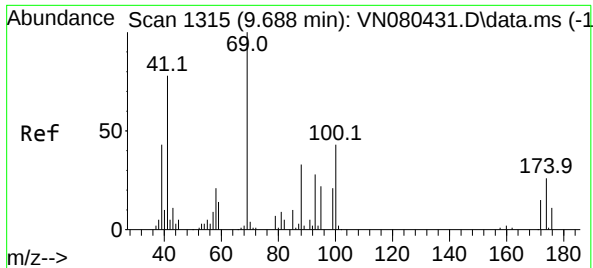
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#48
Methyl methacrylate
Concen: 19.142 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion: 41 Resp: 52624
Ion Ratio Lower Upper
41 100
69 100.7 90.4 135.6
39 64.4 54.6 81.8





#49

1,4-Dioxane

Concen: 387.403 ug/l

RT: 9.694 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 88 Resp: 1614

Ion Ratio Lower Upper

88 100

43 25.3 17.0 25.6

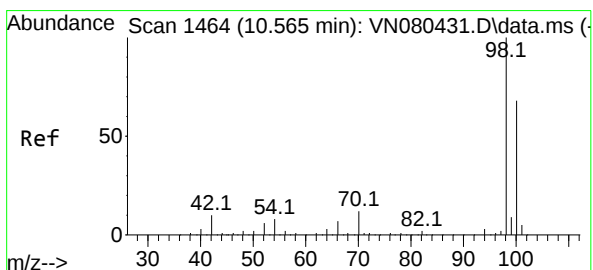
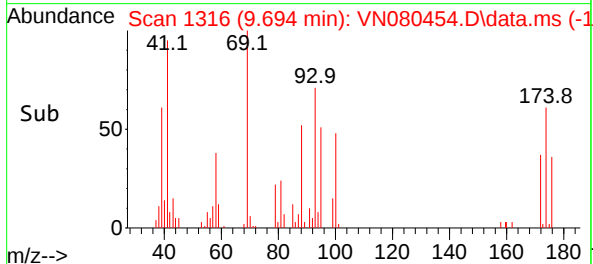
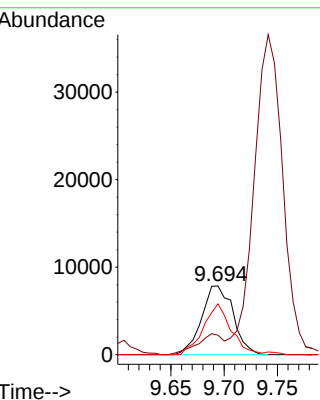
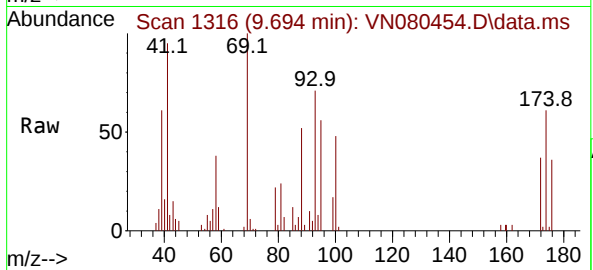
58 64.7 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#50

Toluene-d8

Concen: 56.780 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080454.D

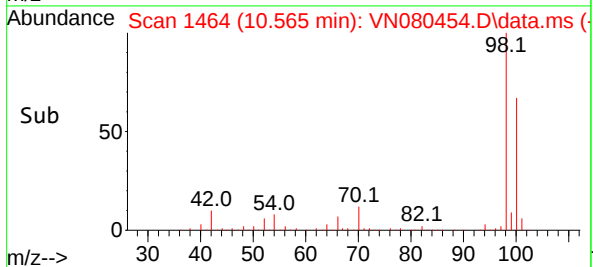
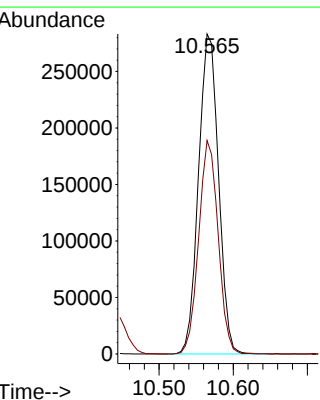
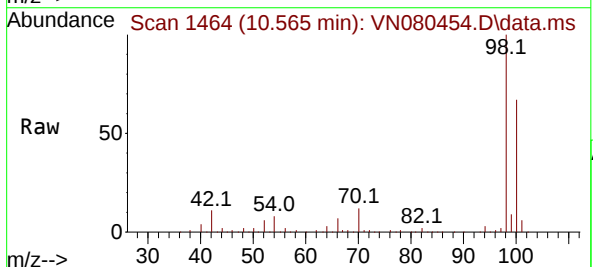
Acq: 13 Dec 2023 12:08

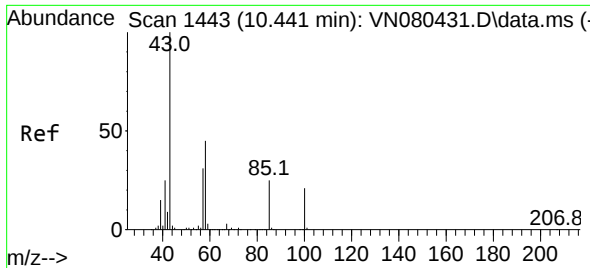
Tgt Ion: 98 Resp: 529905

Ion Ratio Lower Upper

98 100

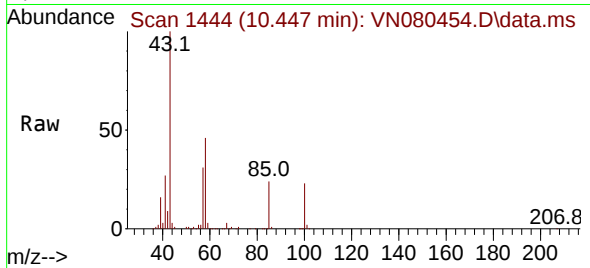
100 65.0 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 100.978 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

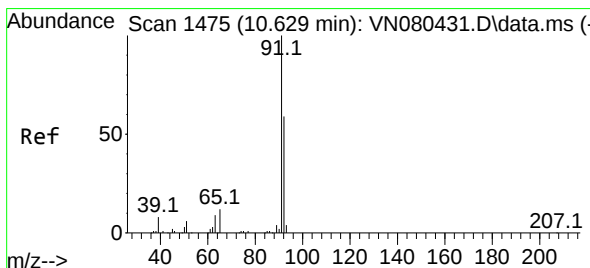
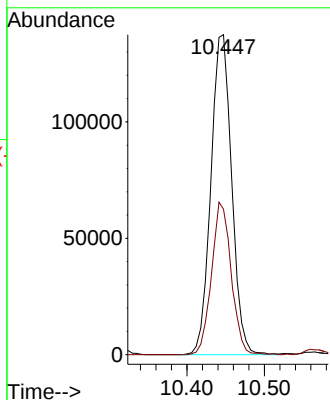
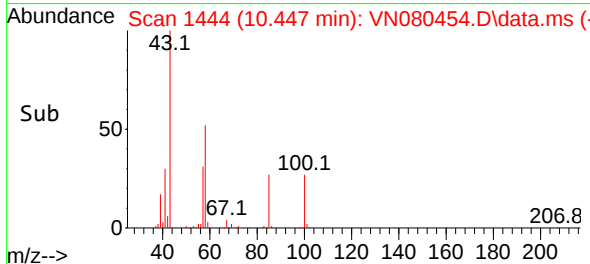
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 43 Resp: 256200
Ion Ratio Lower Upper
43 100
58 45.1 36.6 54.8

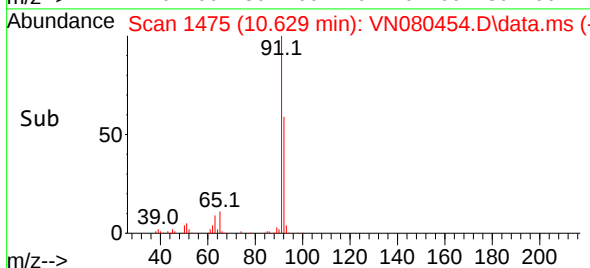
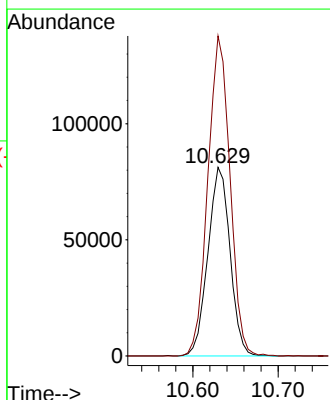
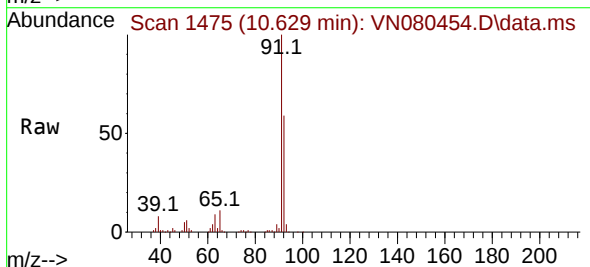
Manual Integrations
APPROVED

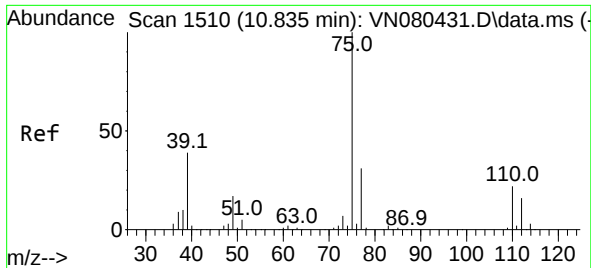
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#52
Toluene
Concen: 19.652 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

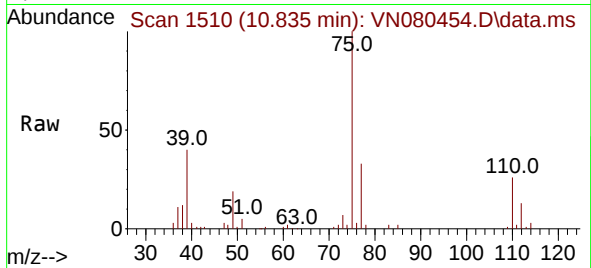
Tgt Ion: 92 Resp: 146685
Ion Ratio Lower Upper
92 100
91 169.3 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 19.903 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

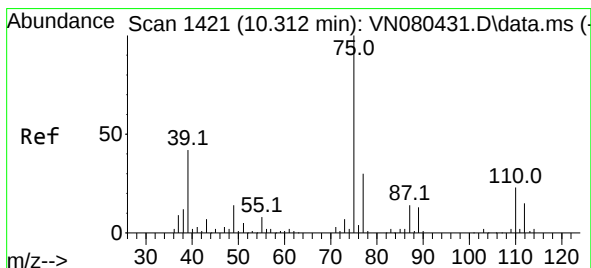
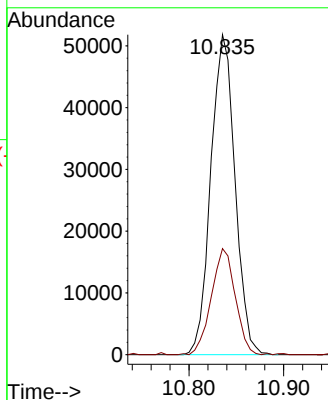
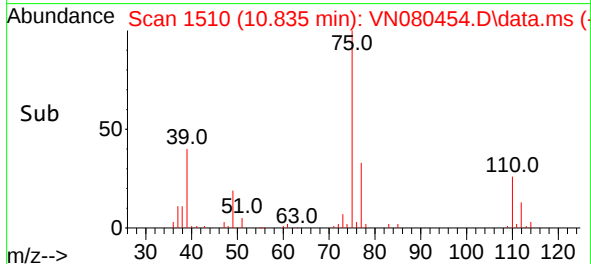
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 75 Resp: 9197
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0

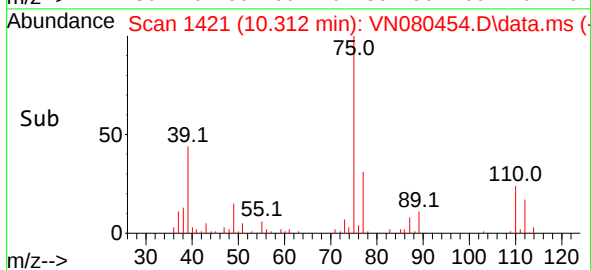
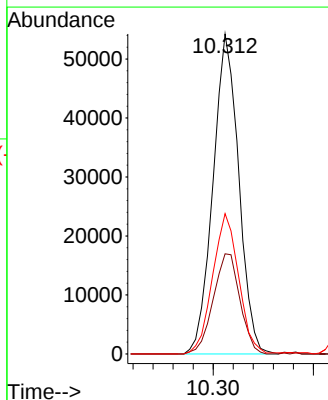
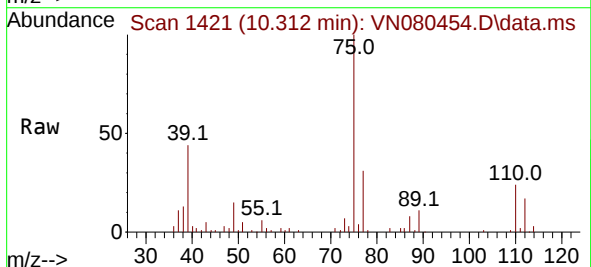
Manual Integrations
APPROVED

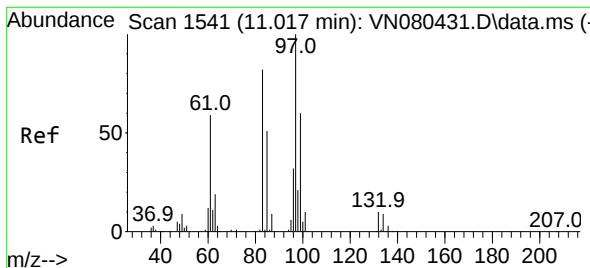
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#54
cis-1,3-Dichloropropene
Concen: 19.536 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

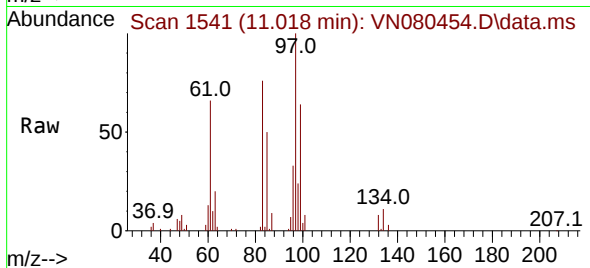
Tgt Ion: 75 Resp: 96494
Ion Ratio Lower Upper
75 100
77 31.3 26.1 39.1
39 43.8 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 20.140 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

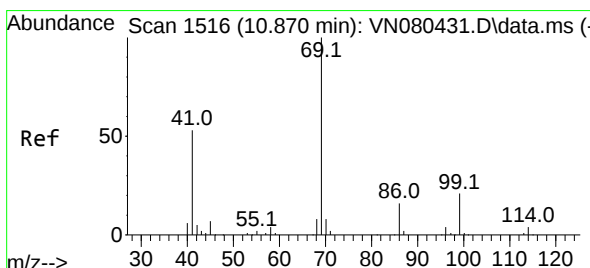
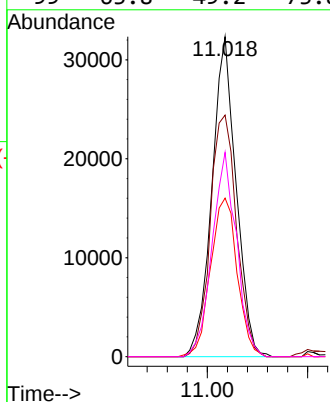
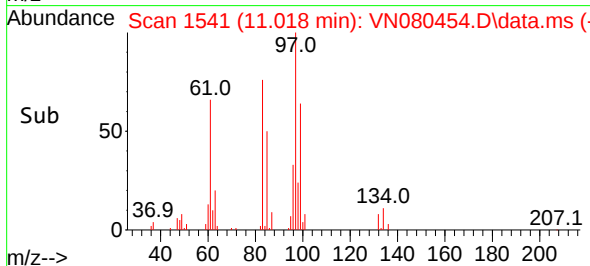
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 97	Resp: 5409
Ion Ratio	Lower Upper
97 100	
83 75.5	65.1 97.7
85 49.5	43.4 65.2
99 63.8	49.2 73.8

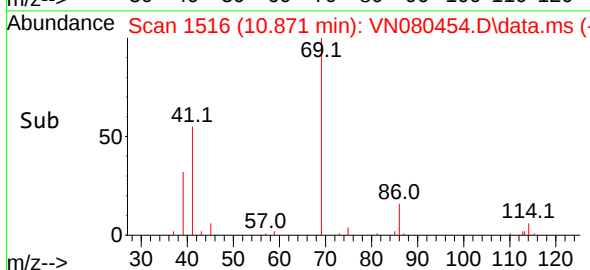
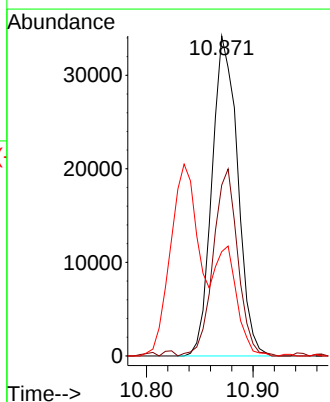
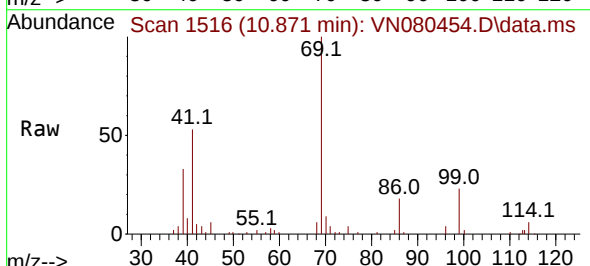
Manual Integrations
APPROVED

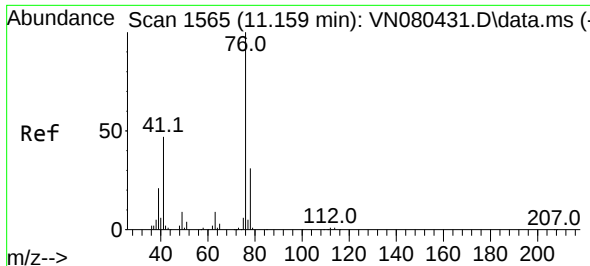
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#56
Ethyl methacrylate
Concen: 19.177 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion: 69	Resp: 57021
Ion Ratio	Lower Upper
69 100	
41 56.2	39.6 59.4
39 29.2	28.6 43.0





#57

1,3-Dichloropropane

Concen: 20.265 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.006 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 76 Resp: 95408

Ion Ratio Lower Upper

76 100

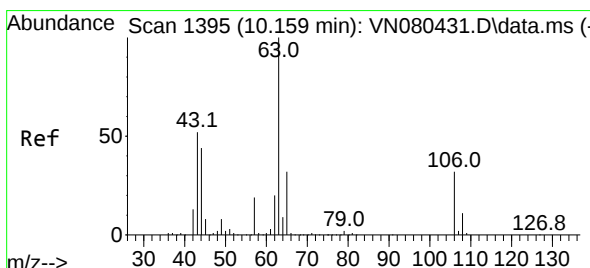
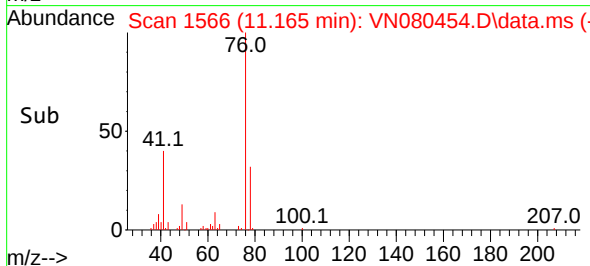
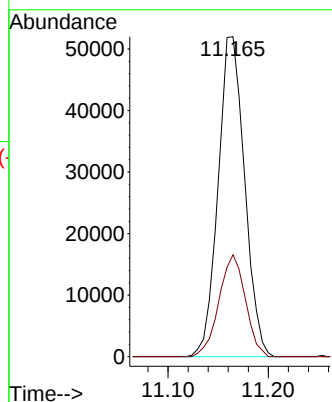
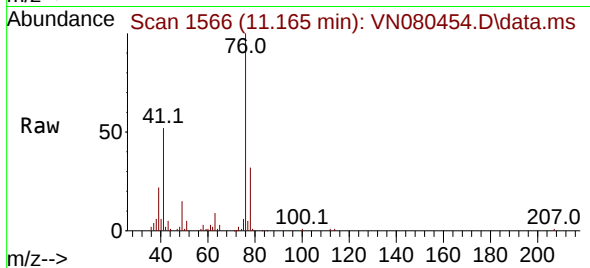
78 31.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#58

2-Chloroethyl Vinyl ether

Concen: 103.950 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN080454.D

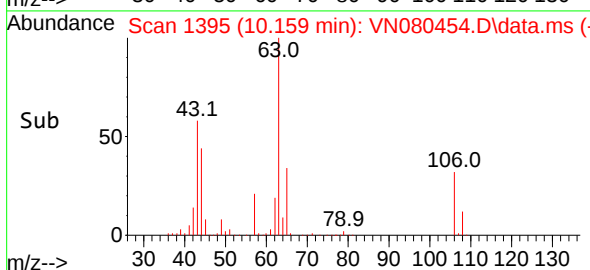
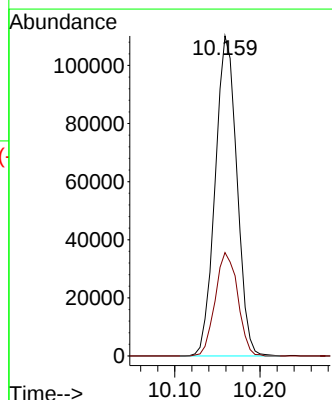
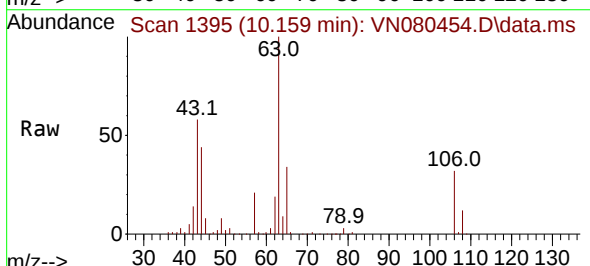
Acq: 13 Dec 2023 12:08

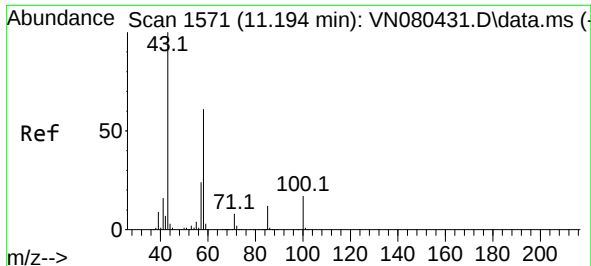
Tgt Ion: 63 Resp: 195129

Ion Ratio Lower Upper

63 100

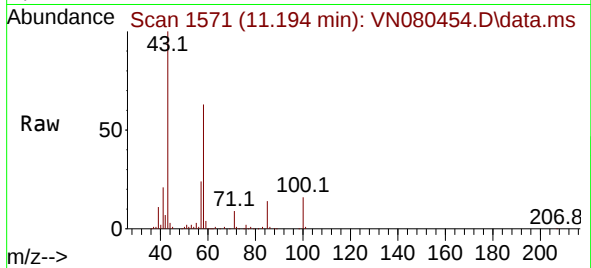
106 33.4 26.2 39.4





#59
2-Hexanone
Concen: 98.071 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

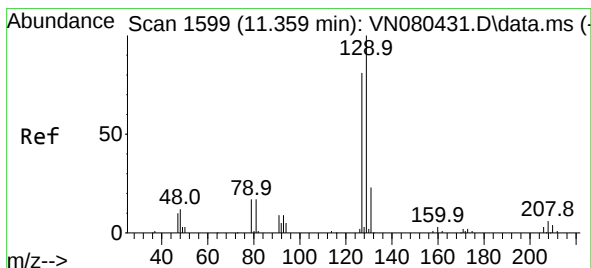
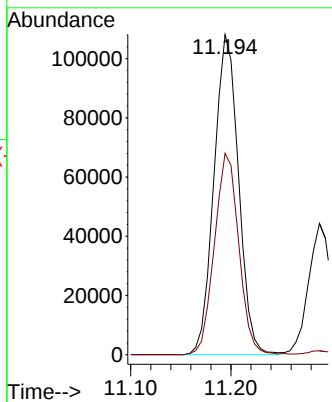
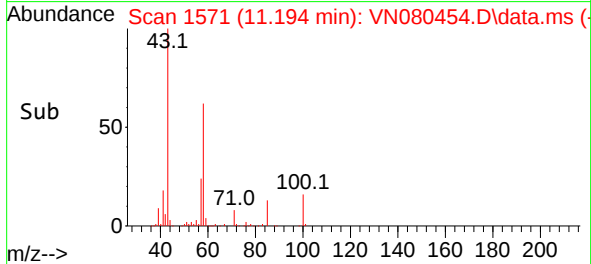
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 43 Resp: 183694
Ion Ratio Lower Upper
43 100
58 62.6 31.7 95.1

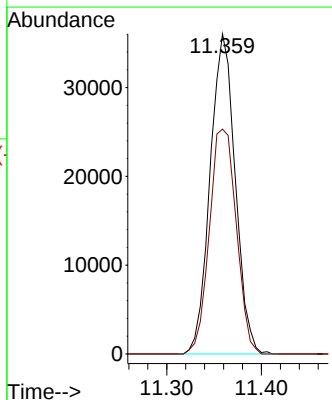
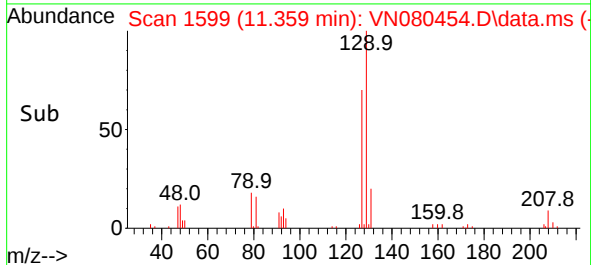
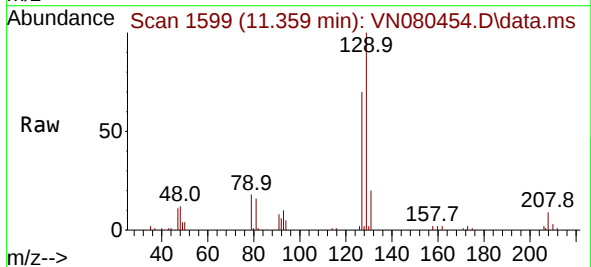
Manual Integrations
APPROVED

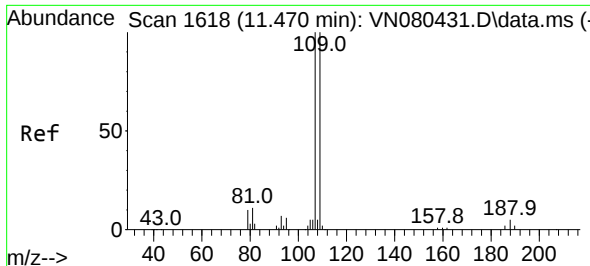
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

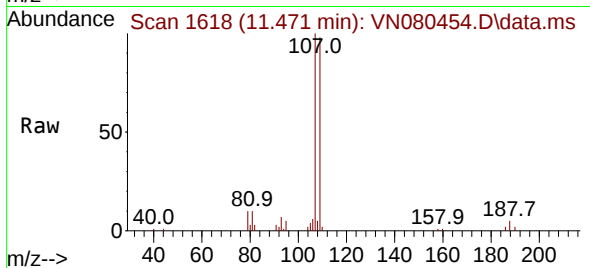
Tgt Ion:129 Resp: 66371
Ion Ratio Lower Upper
129 100
127 75.4 38.6 116.0





#61
1,2-Dibromoethane
Concen: 19.902 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

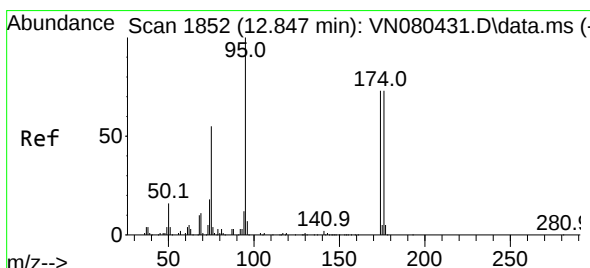
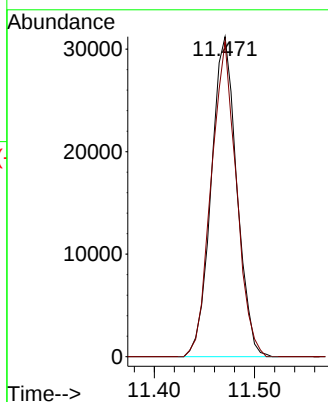
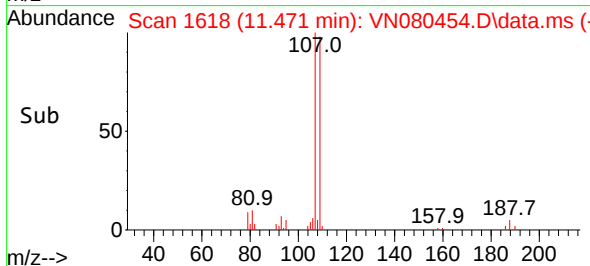
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



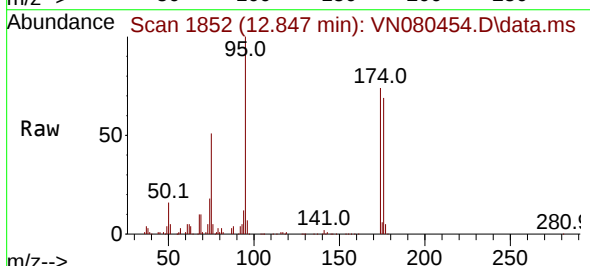
Tgt Ion:107 Resp: 5532
Ion Ratio Lower Upper
107 100
109 96.8 76.6 114.8

Manual Integrations
APPROVED

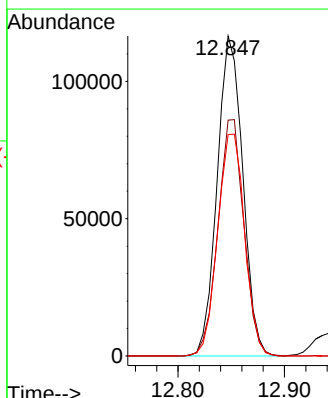
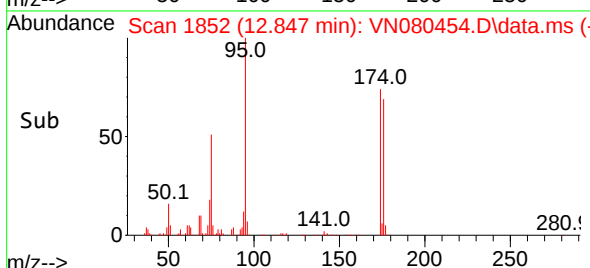
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

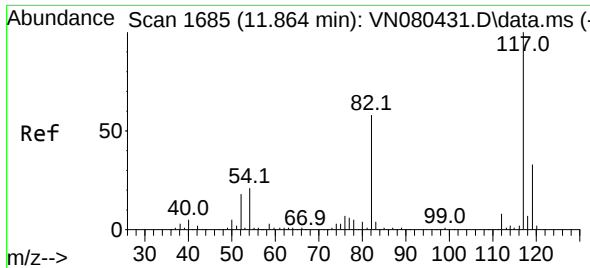


#62
4-Bromofluorobenzene
Concen: 54.885 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



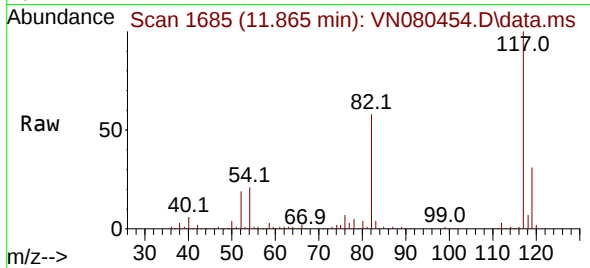
Tgt Ion: 95 Resp: 194506
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 72.9 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

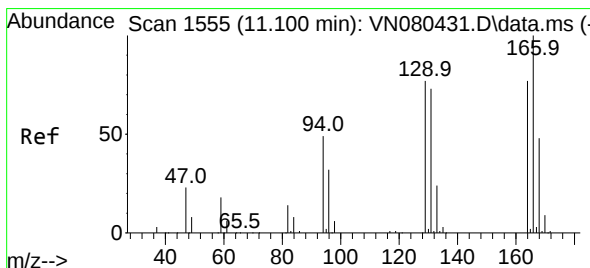
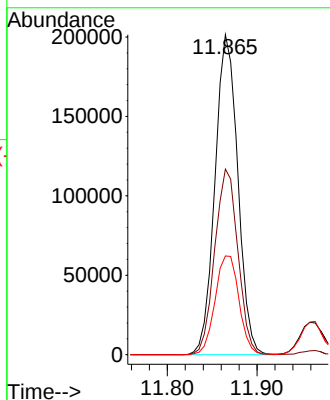
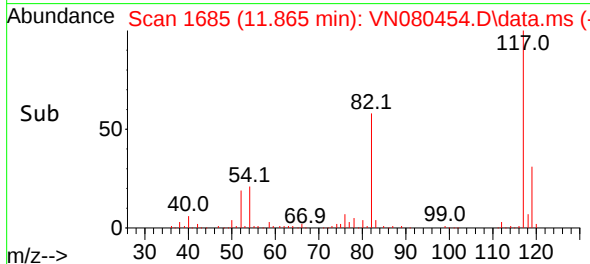
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion:117 Resp: 355358
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 30.9 25.6 38.4

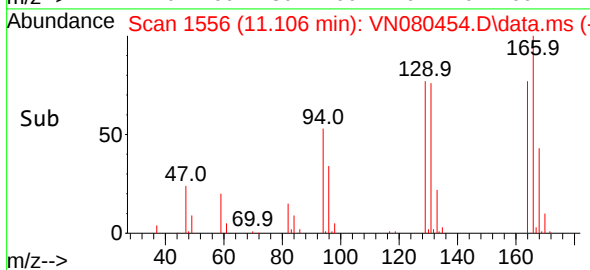
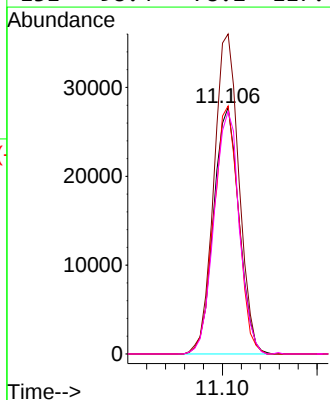
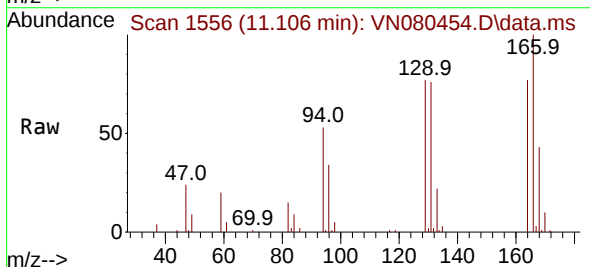
Manual Integrations
APPROVED

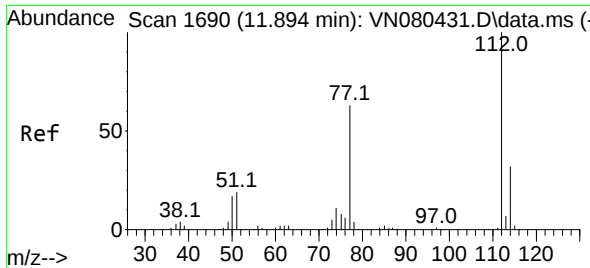
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#64
Tetrachloroethene
Concen: 18.852 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

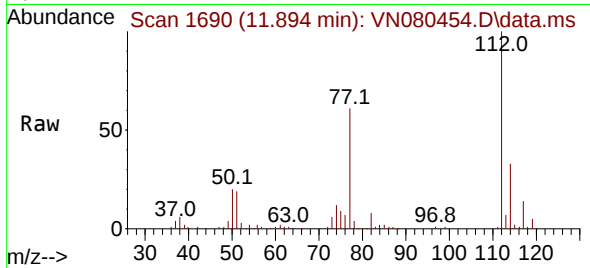
Tgt Ion:164 Resp: 51723
Ion Ratio Lower Upper
164 100
166 129.8 101.4 152.0
129 100.6 82.4 123.6
131 98.4 78.2 117.4





#65
Chlorobenzene
Concen: 19.431 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

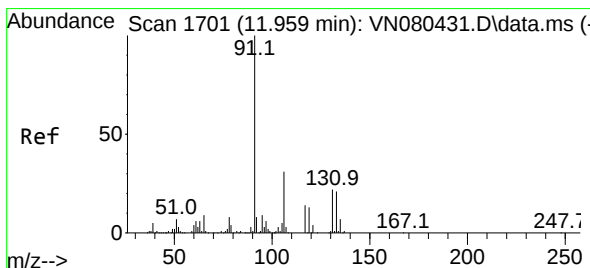
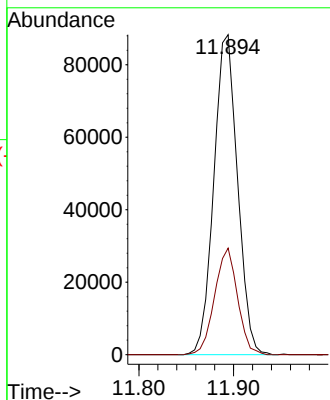
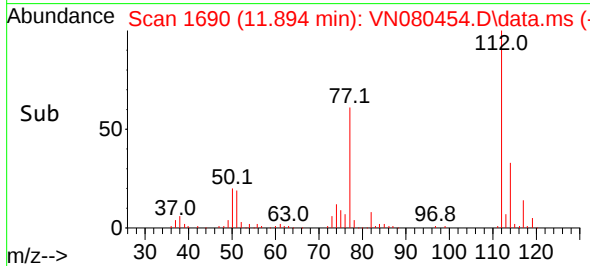
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion:112 Resp: 153600
Ion Ratio Lower Upper
112 100
114 33.3 25.0 37.4

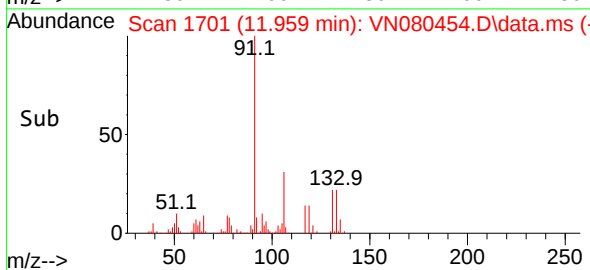
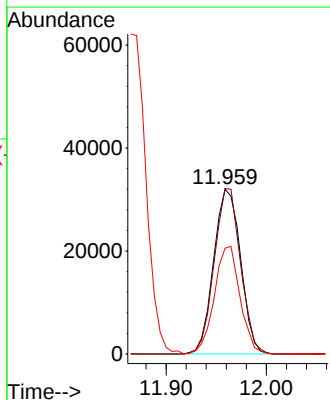
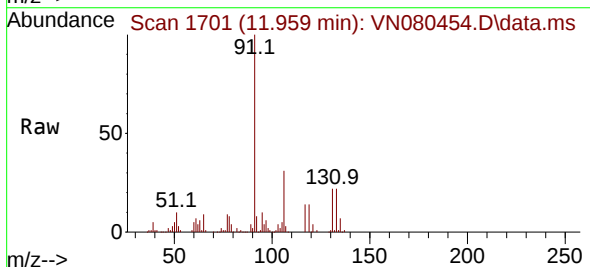
Manual Integrations
APPROVED

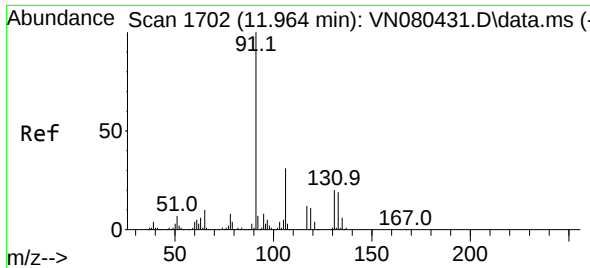
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 19.249 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion:131 Resp: 59708
Ion Ratio Lower Upper
131 100
133 97.9 46.4 139.1
119 62.2 34.1 102.2





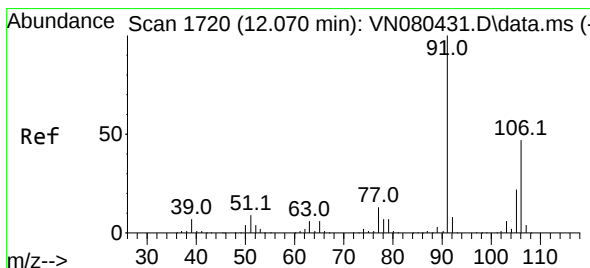
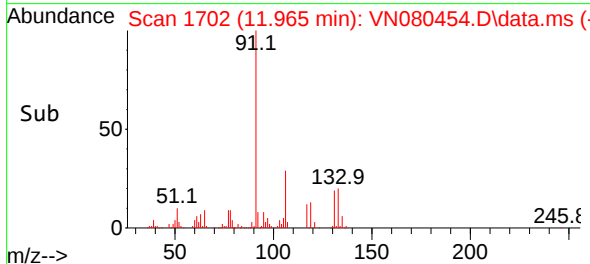
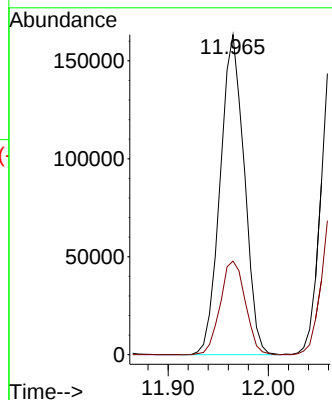
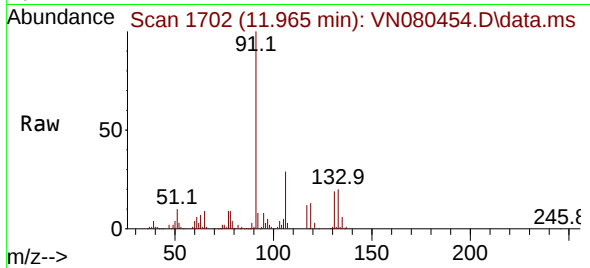
#67
Ethyl Benzene
Concen: 18.695 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 91 Resp: 27174
Ion Ratio Lower Upper
91 100
106 29.3 25.6 38.4

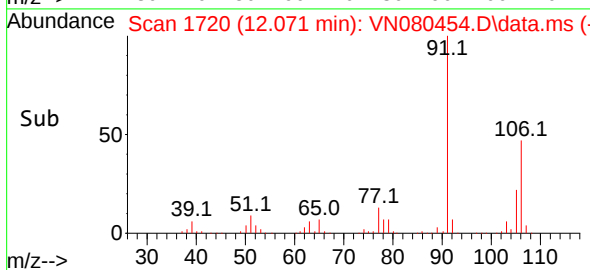
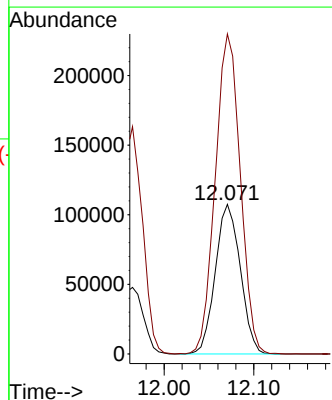
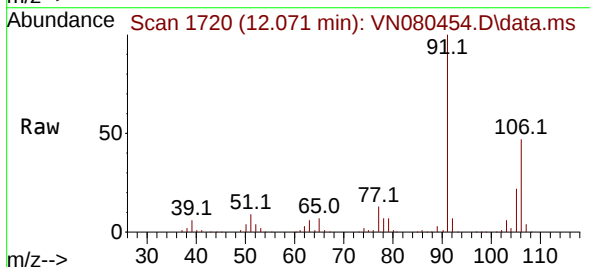
Manual Integrations
APPROVED

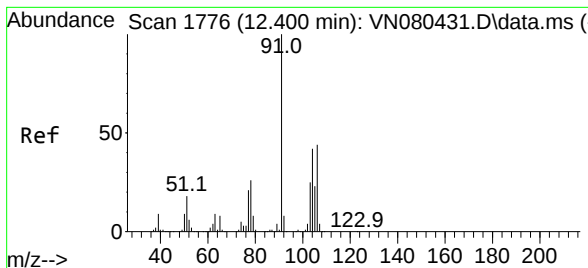
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#68
m/p-Xylenes
Concen: 38.693 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion:106 Resp: 207824
Ion Ratio Lower Upper
106 100
91 214.5 159.6 239.4





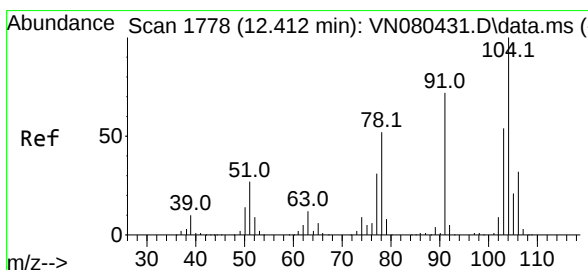
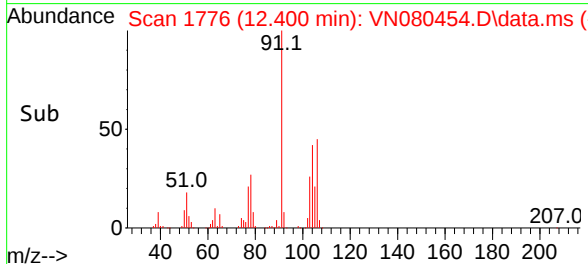
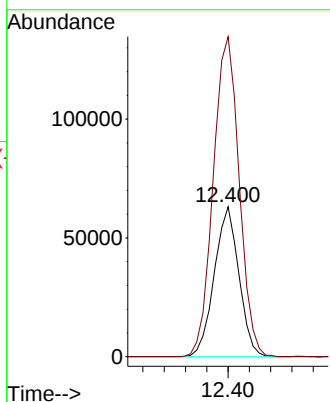
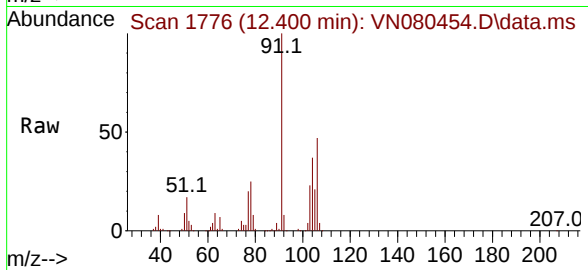
#69
o-Xylene
Concen: 19.210 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:106 Resp: 100922
Ion Ratio Lower Upper
106 100
91 225.2 105.2 315.5

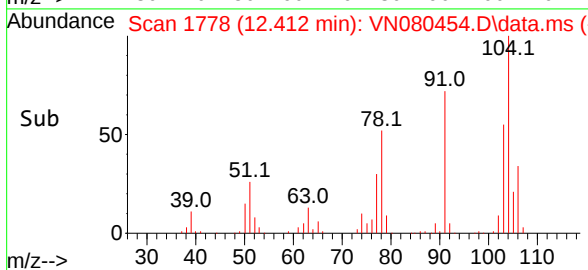
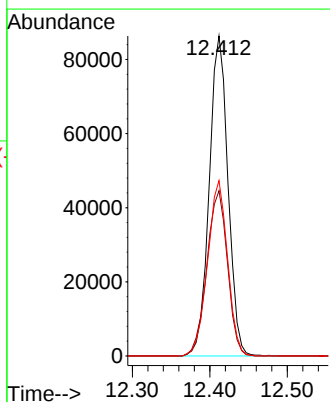
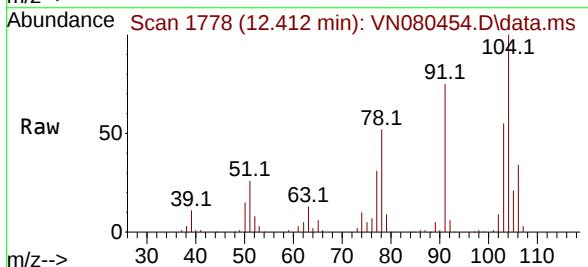
Manual Integrations
APPROVED

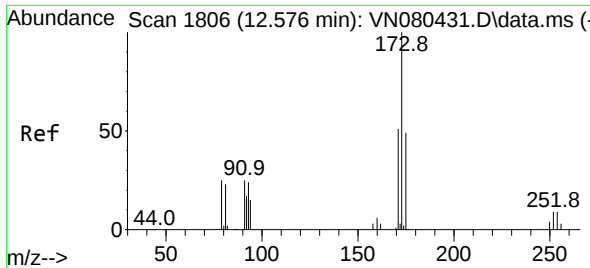
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#70
Styrene
Concen: 19.273 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

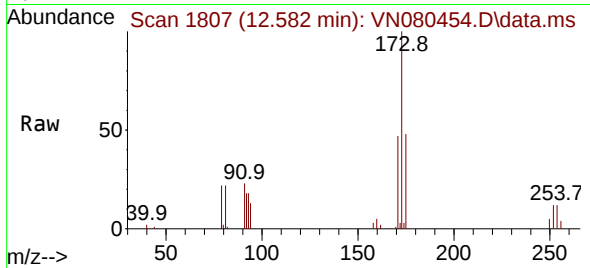
Tgt Ion:104 Resp: 145844
Ion Ratio Lower Upper
104 100
78 56.6 39.5 59.3
103 58.1 43.2 64.8





#71
Bromoform
Concen: 19.485 ug/l
RT: 12.582 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

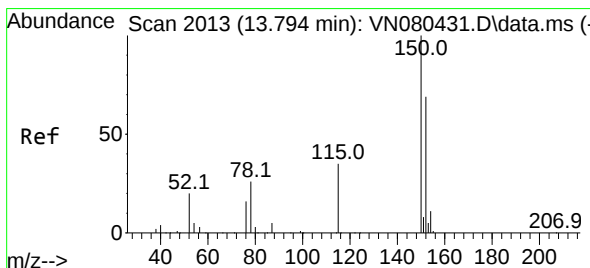
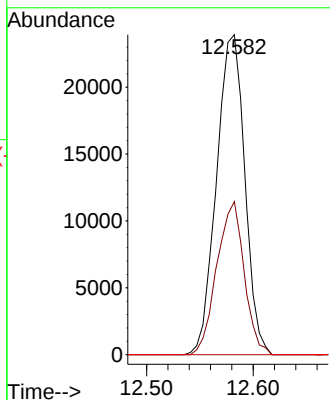
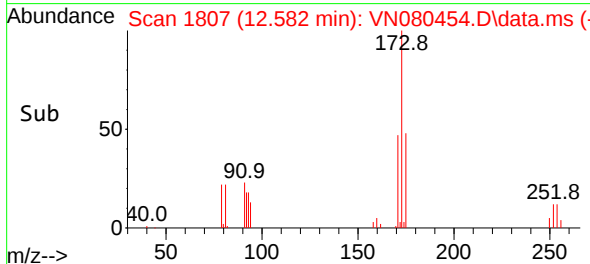
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



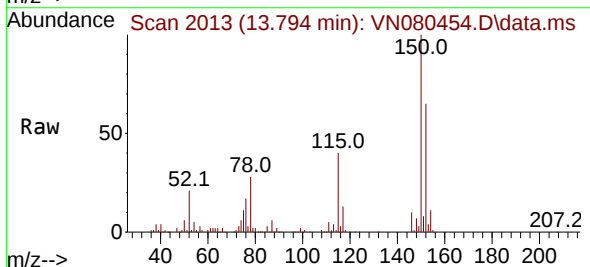
Tgt Ion:173 Resp: 44075
Ion Ratio Lower Upper
173 100
175 46.3 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

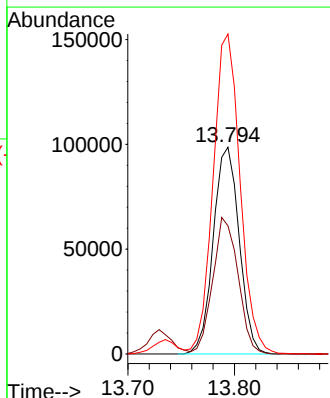
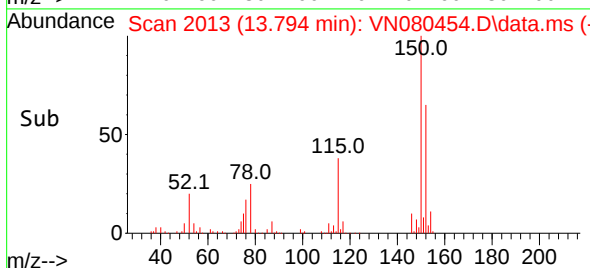
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

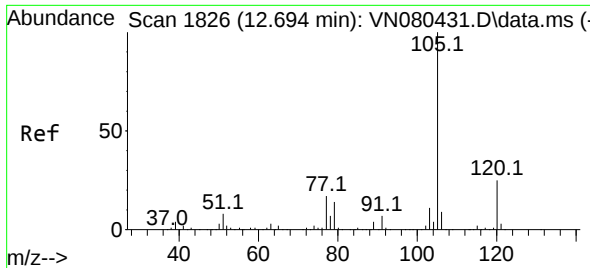


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



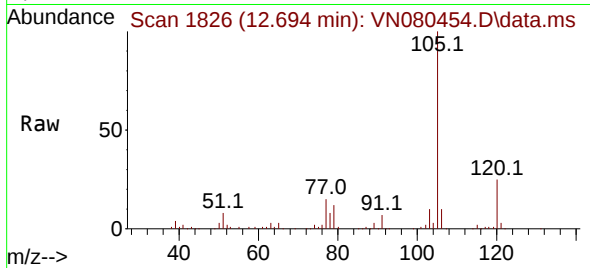
Tgt Ion:152 Resp: 166649
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 161.5 0.0 355.8





#73
Isopropylbenzene
Concen: 19.172 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

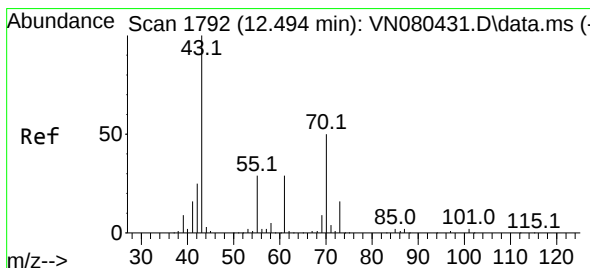
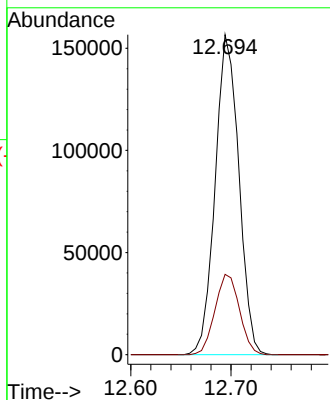
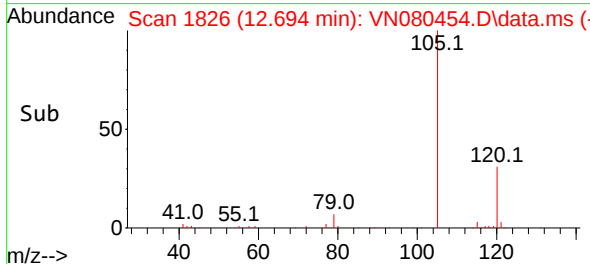
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



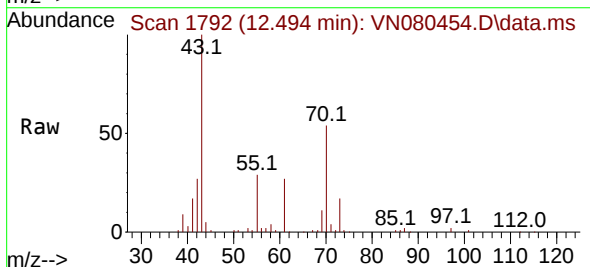
Tgt Ion:105 Resp: 25666
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.1

Manual Integrations
APPROVED

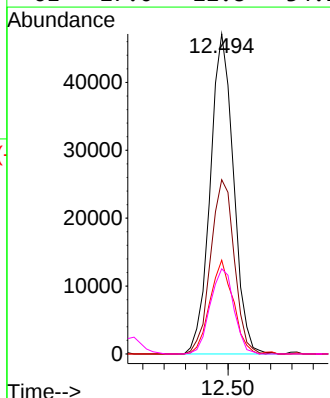
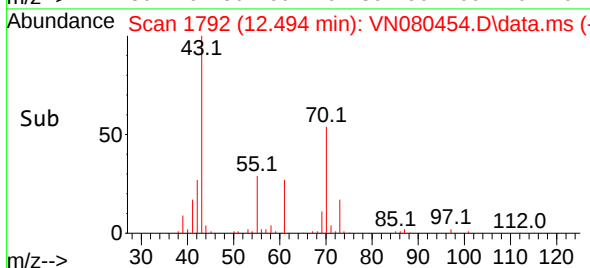
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

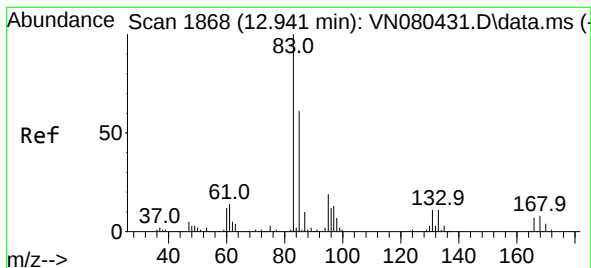


#74
N-ethyl acetate
Concen: 18.333 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



Tgt Ion: 43 Resp: 71672
Ion Ratio Lower Upper
43 100
70 55.4 43.4 65.2
55 29.2 21.4 32.0
61 27.0 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.158 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

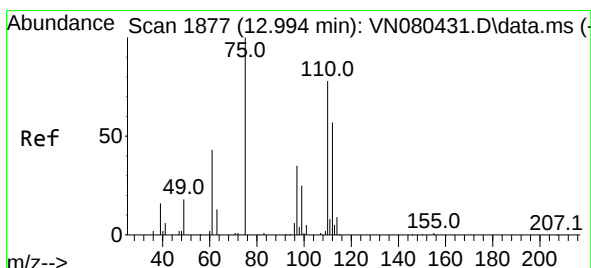
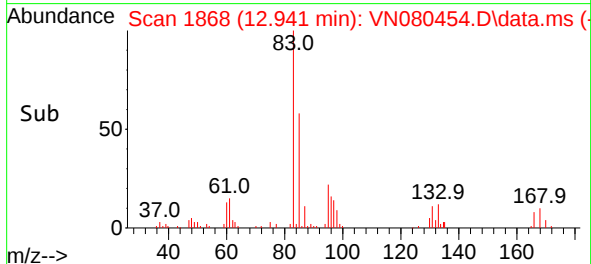
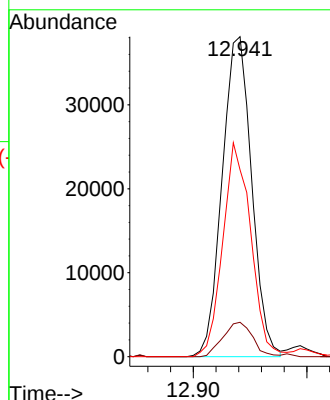
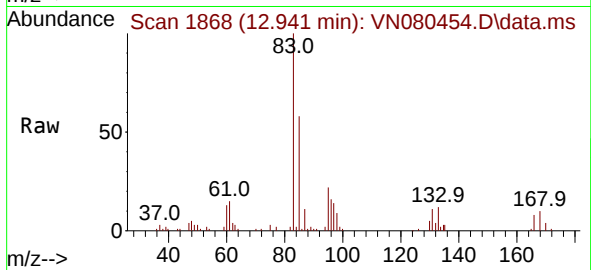
Tgt Ion: 83 Resp: 68720
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.0 15.0
 85 63.5 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#76

1,2,3-Trichloropropane

Concen: 19.278 ug/l m

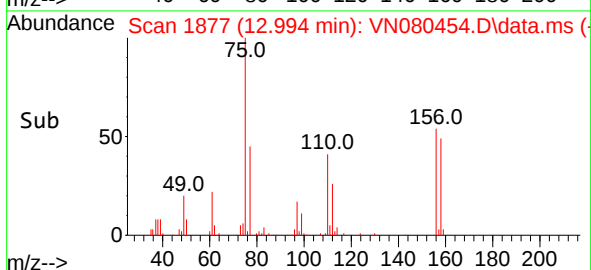
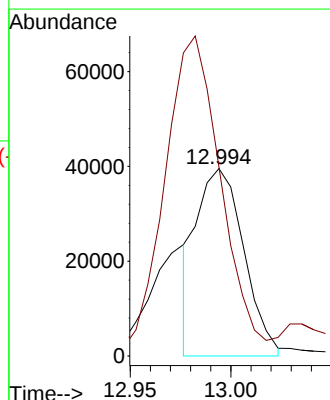
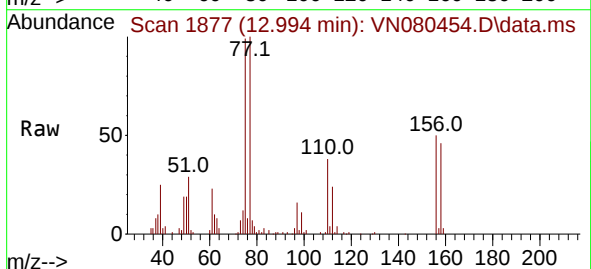
RT: 12.994 min Scan# 1877

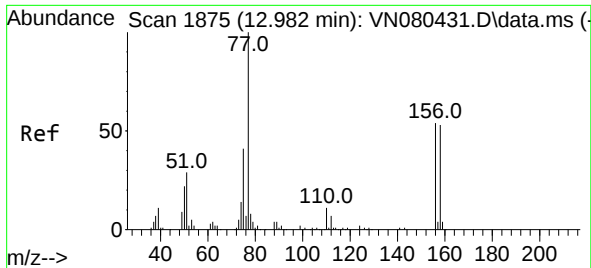
Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion: 75 Resp: 64093
 Ion Ratio Lower Upper
 75 100
 77 205.5 84.5 253.5





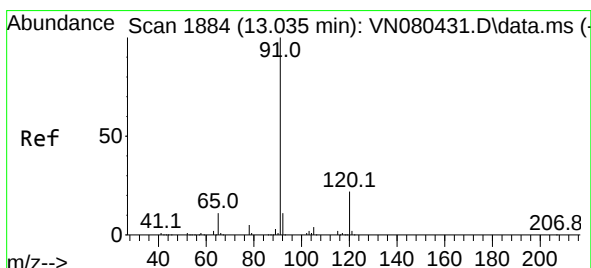
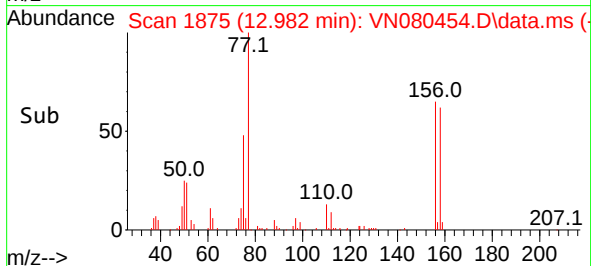
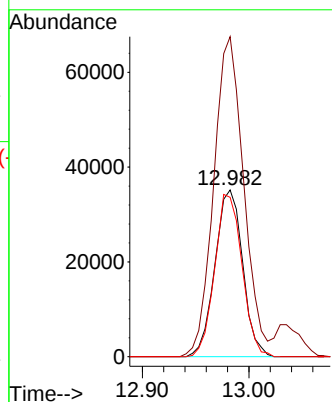
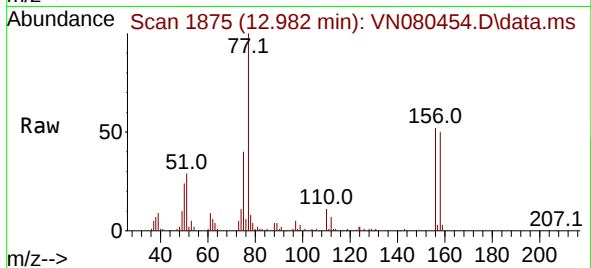
#77
Bromobenzene
Concen: 19.311 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:156 Resp: 63598
Ion Ratio Lower Upper
156 100
77 207.1 107.7 323.3
158 95.8 48.4 145.3

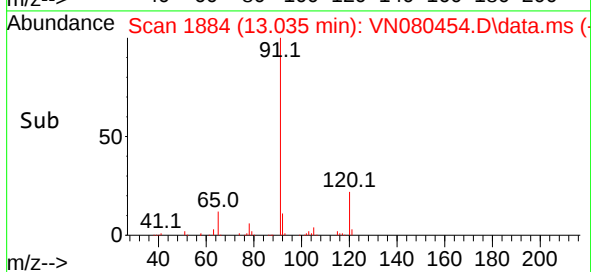
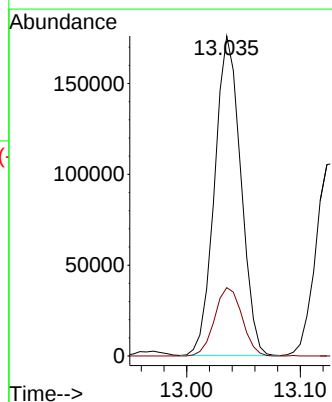
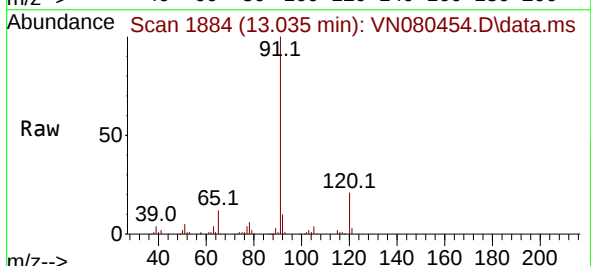
Manual Integrations
APPROVED

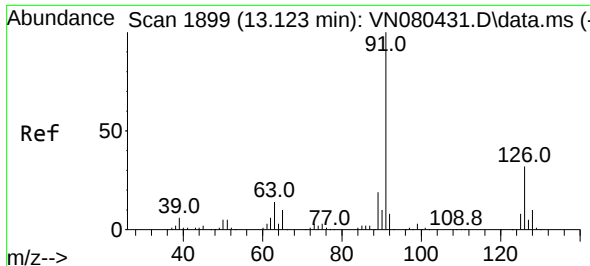
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#78
n-propylbenzene
Concen: 19.096 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion: 91 Resp: 281863
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.4





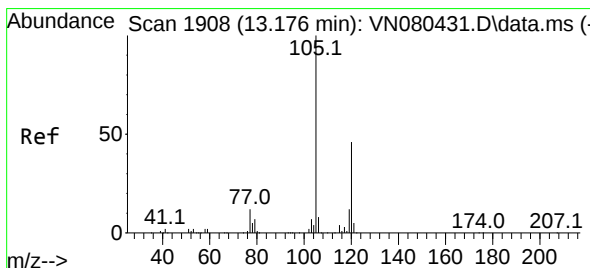
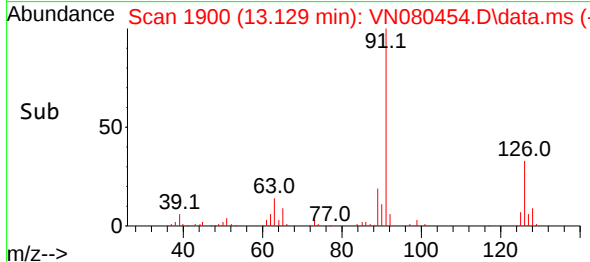
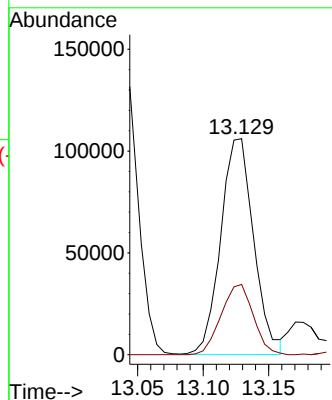
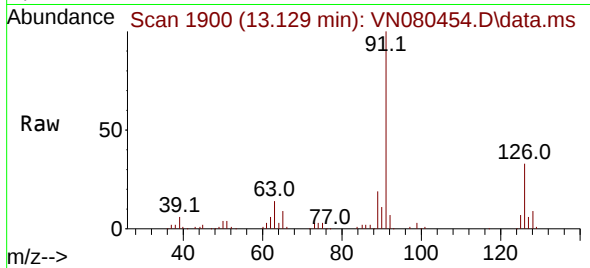
#79
2-Chlorotoluene
Concen: 19.245 ug/l
RT: 13.129 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 91 Resp: 185449
Ion Ratio Lower Upper
91 100
126 31.7 16.3 48.8

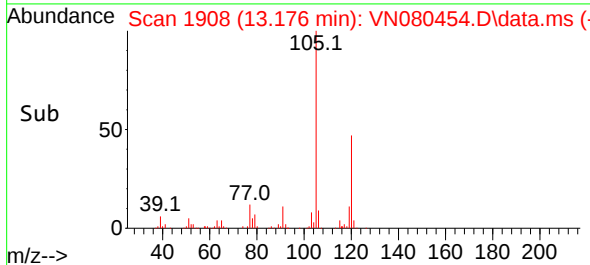
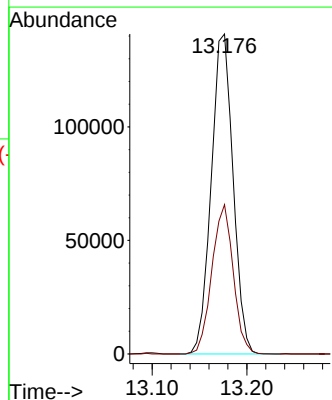
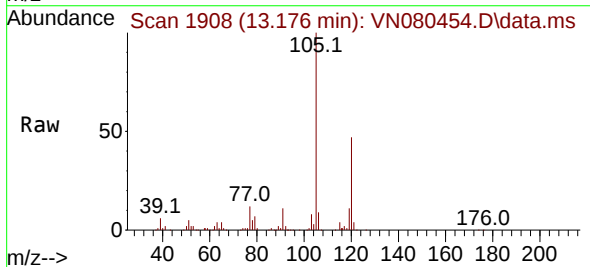
Manual Integrations
APPROVED

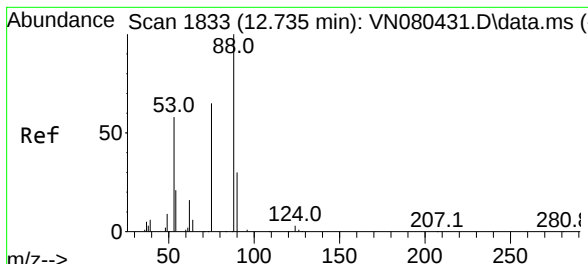
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#80
1,3,5-Trimethylbenzene
Concen: 19.555 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

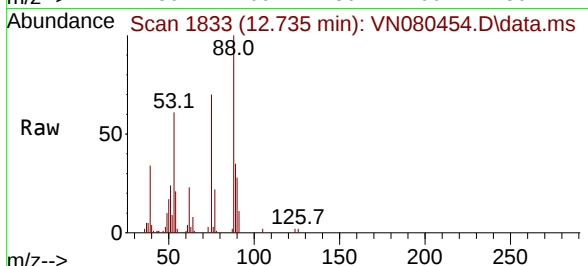
Tgt Ion:105 Resp: 225470
Ion Ratio Lower Upper
105 100
120 45.5 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 17.930 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

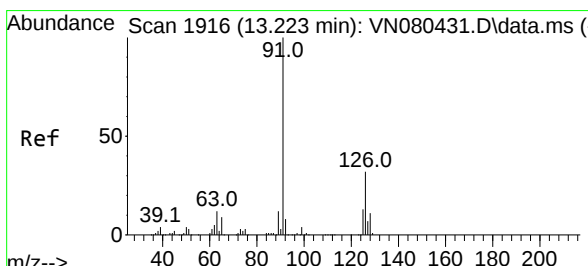
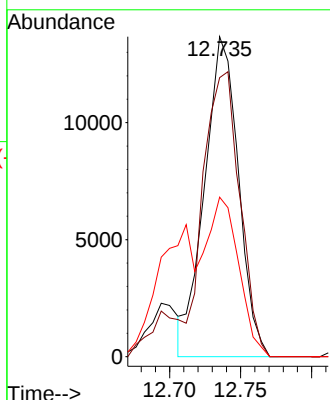
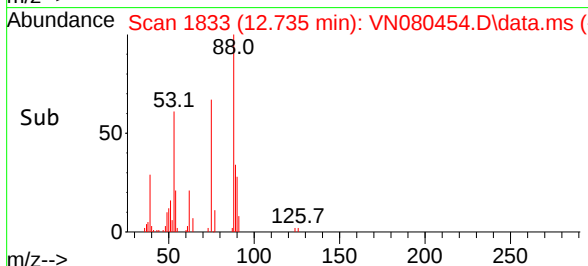
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 75 Resp: 22704
Ion Ratio Lower Upper
75 100
53 108.7 67.4 101.2
89 48.7 38.8 58.2

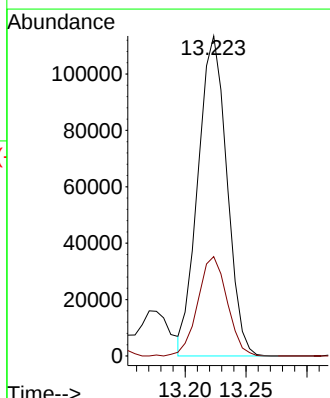
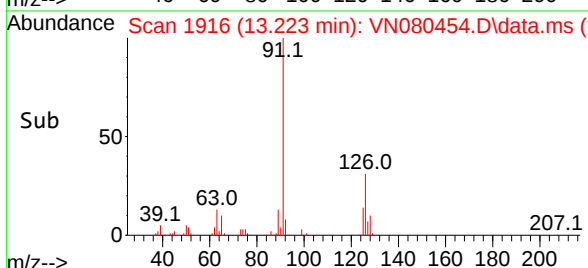
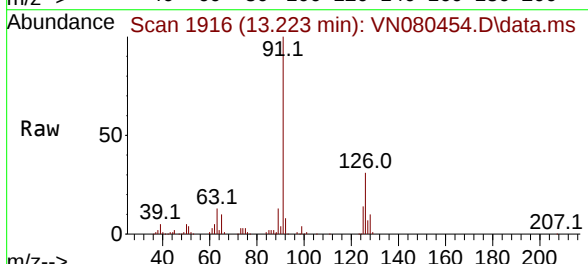
Manual Integrations
APPROVED

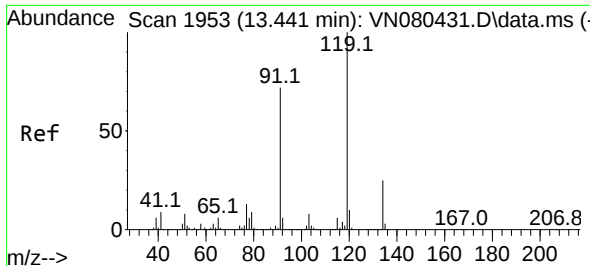
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#82
4-Chlorotoluene
Concen: 18.950 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

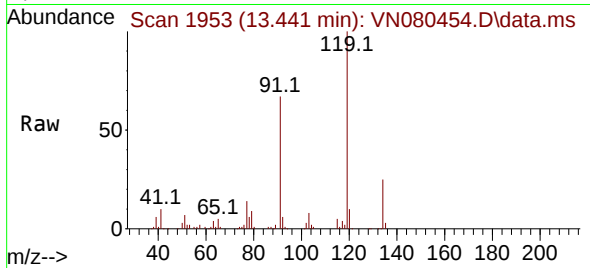
Tgt Ion: 91 Resp: 187696
Ion Ratio Lower Upper
91 100
126 31.5 16.7 50.0





#83
tert-Butylbenzene
Concen: 18.982 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

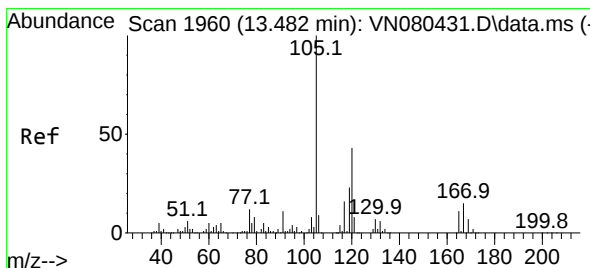
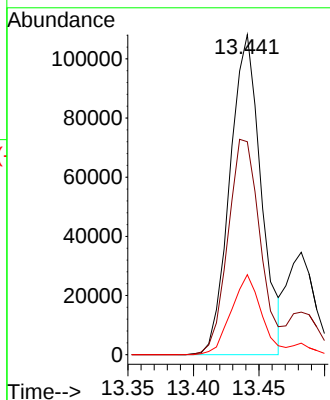
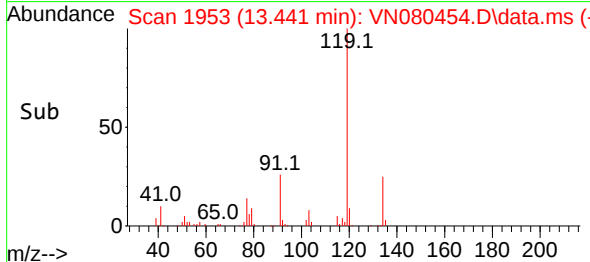
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



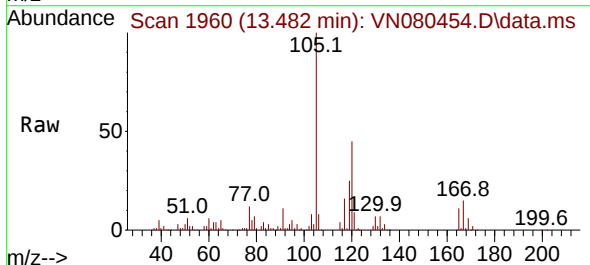
Tgt Ion:119 Resp: 17924
Ion Ratio Lower Upper
119 100
91 69.4 33.9 101.7
134 24.2 13.2 39.6

Manual Integrations
APPROVED

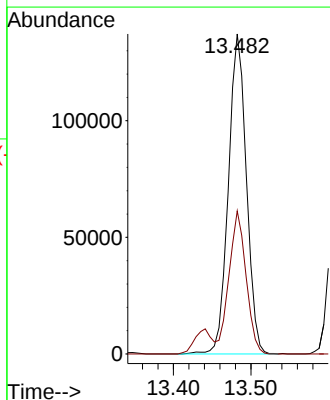
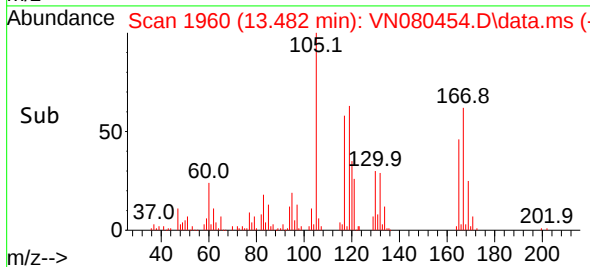
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

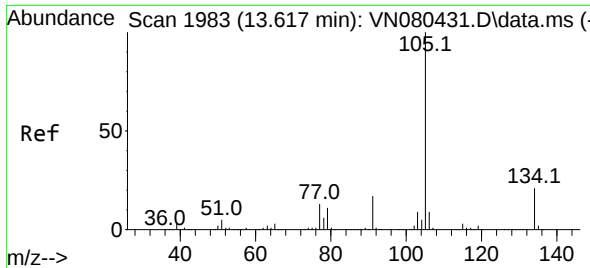


#84
1,2,4-Trimethylbenzene
Concen: 19.351 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



Tgt Ion:105 Resp: 221961
Ion Ratio Lower Upper
105 100
120 42.7 22.0 66.0





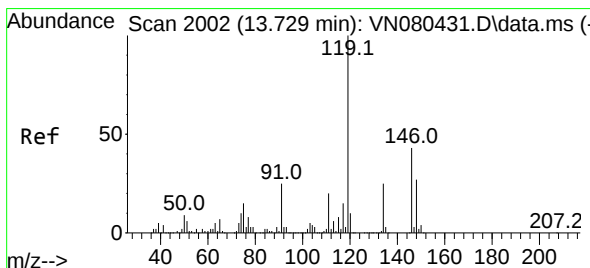
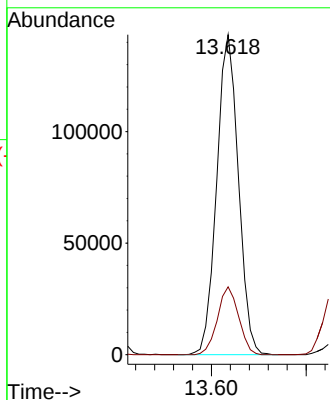
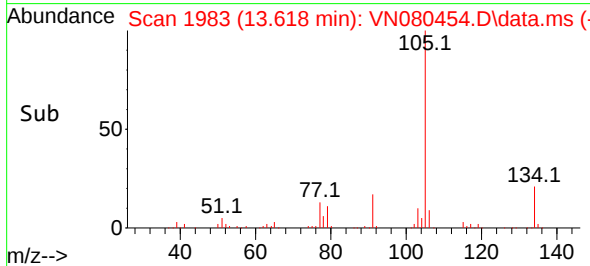
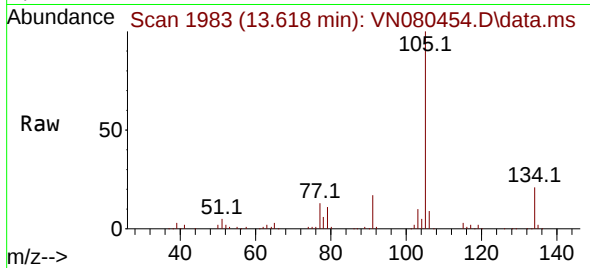
#85
 sec-Butylbenzene
 Concen: 18.850 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Tgt Ion:105 Resp: 22769
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.8 29.3

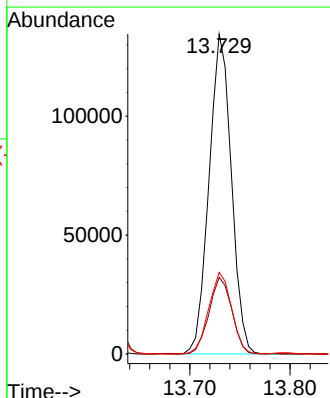
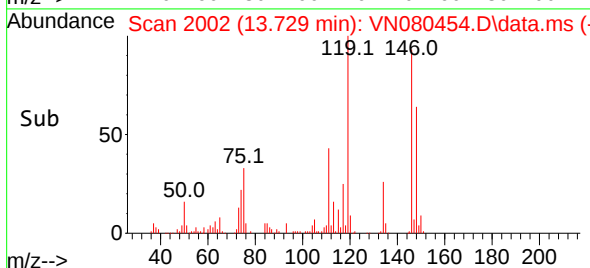
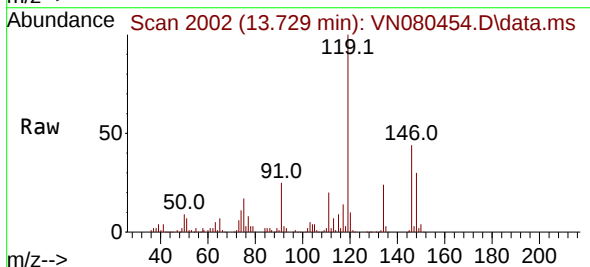
Manual Integrations
 APPROVED

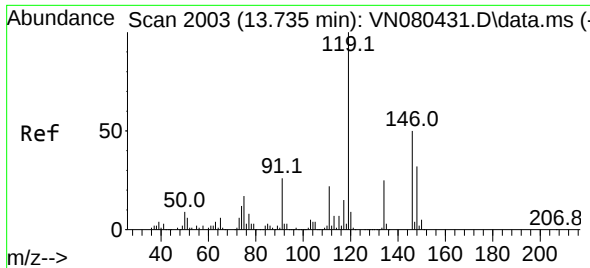
Reviewed By :John Carlone 12/14/2023
 Supervised By :Mahesh Dadoda 12/14/2023



#86
 p-Isopropyltoluene
 Concen: 19.081 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080454.D
 Acq: 13 Dec 2023 12:08

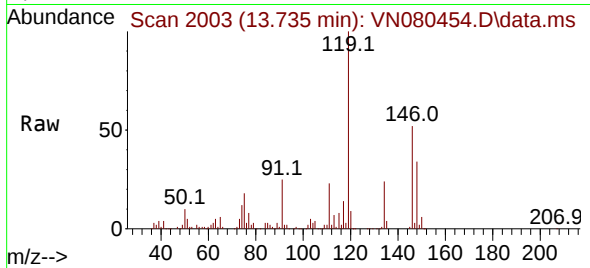
Tgt Ion:119 Resp: 208105
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.6 37.8
 91 26.0 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 18.777 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

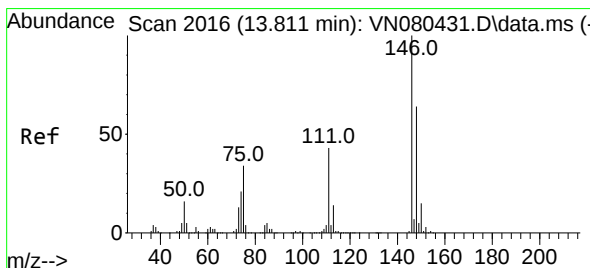
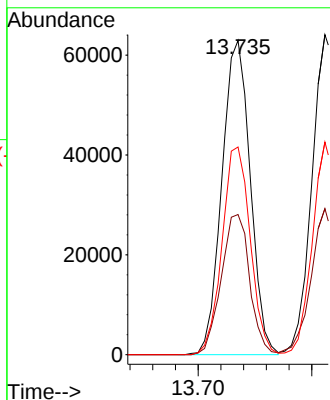
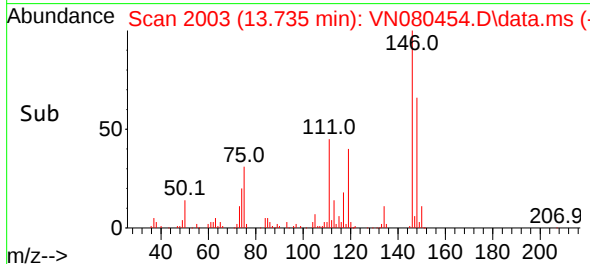
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



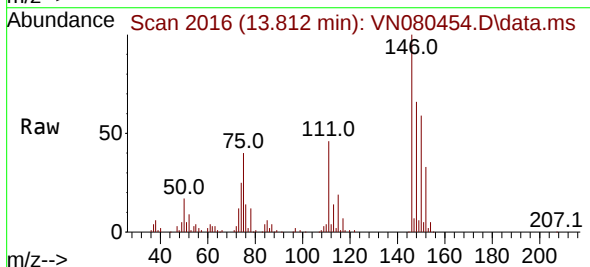
Tgt Ion:146 Resp: 108954
Ion Ratio Lower Upper
146 100
111 44.8 22.1 66.3
148 65.8 32.0 96.0

Manual Integrations
APPROVED

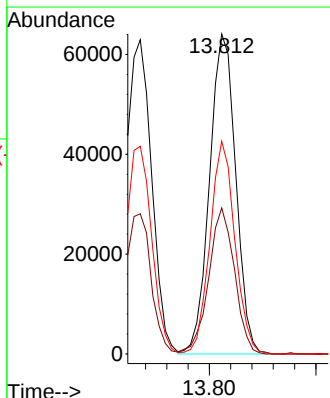
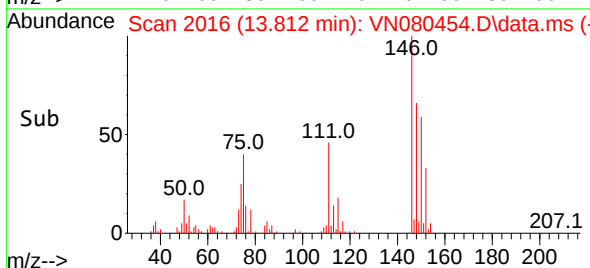
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023

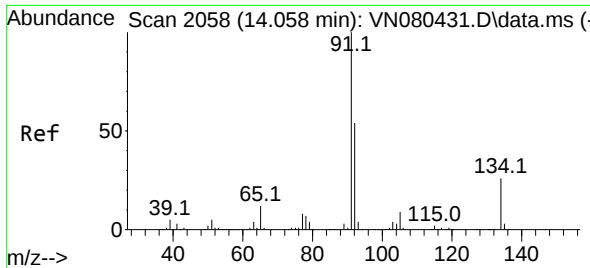


#88
1,4-Dichlorobenzene
Concen: 18.656 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08



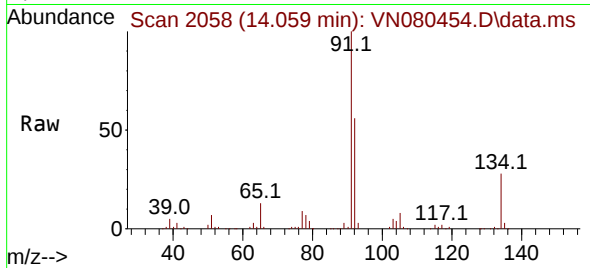
Tgt Ion:146 Resp: 109271
Ion Ratio Lower Upper
146 100
111 45.0 20.6 61.8
148 63.3 31.6 94.8





#89
n-Butylbenzene
Concen: 18.296 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

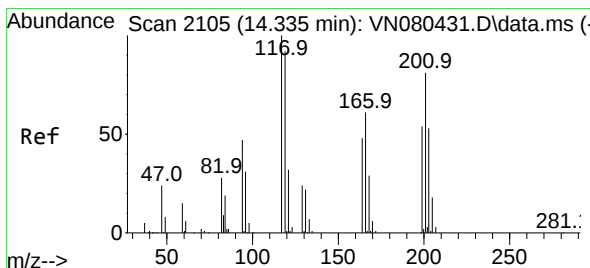
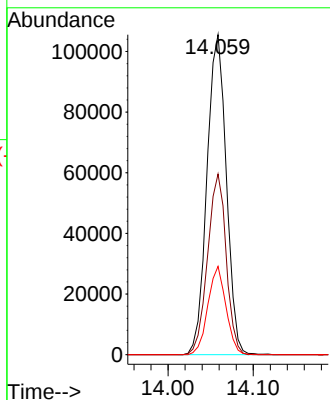
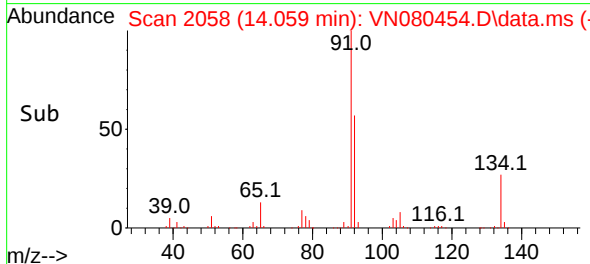
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 91 Resp: 166630
Ion Ratio Lower Upper
91 100
92 54.3 26.4 79.0
134 25.8 12.6 37.6

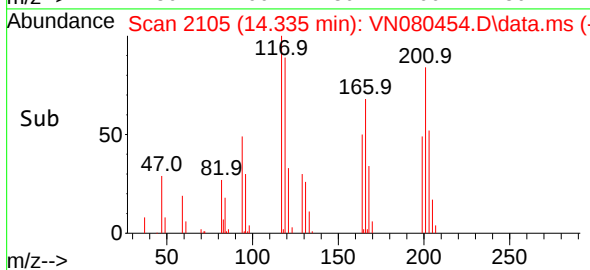
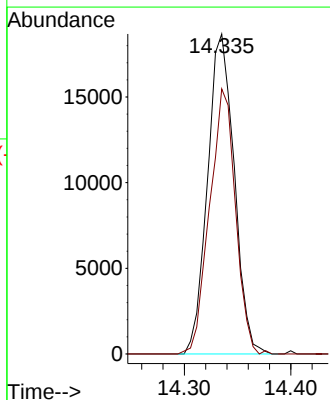
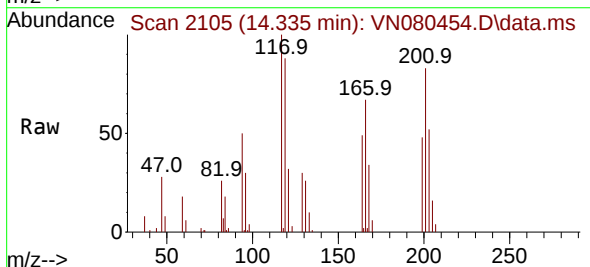
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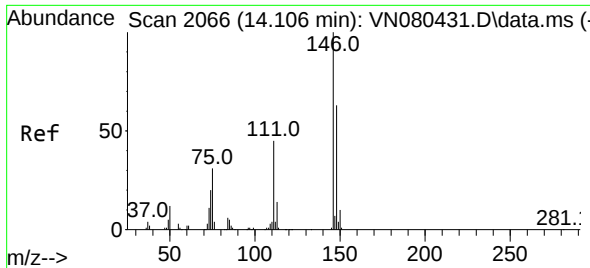
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#90
Hexachloroethane
Concen: 18.734 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion:117 Resp: 32448
Ion Ratio Lower Upper
117 100
201 80.3 29.3 88.0





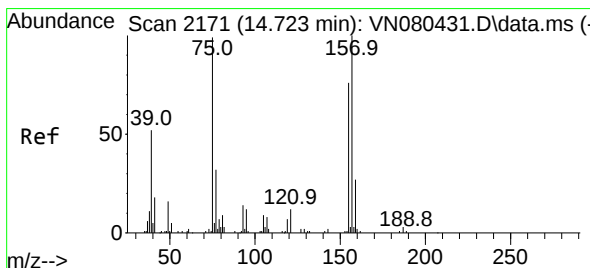
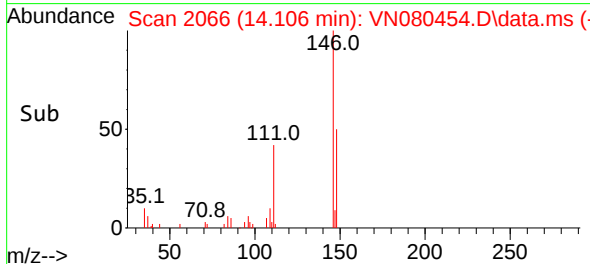
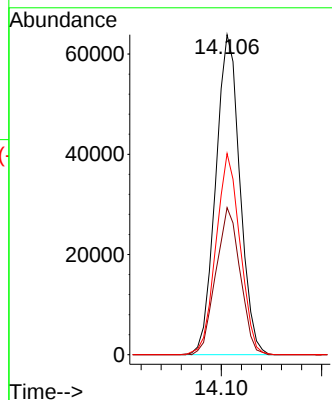
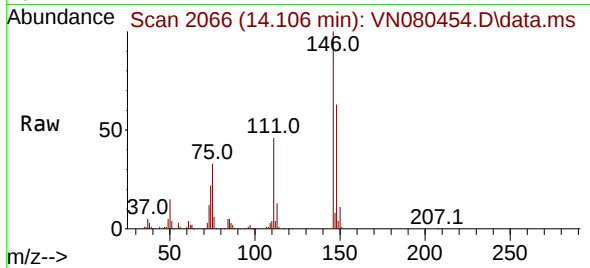
#91
1,2-Dichlorobenzene
Concen: 19.350 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:146 Resp: 10661
Ion Ratio Lower Upper
146 100
111 46.2 22.0 66.0
148 62.7 31.8 95.3

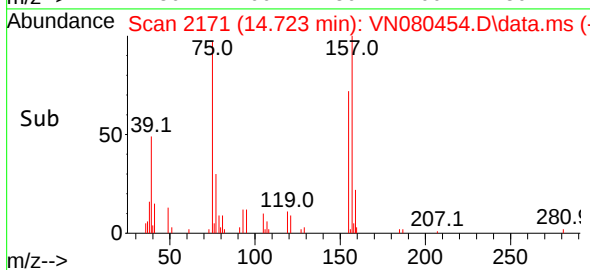
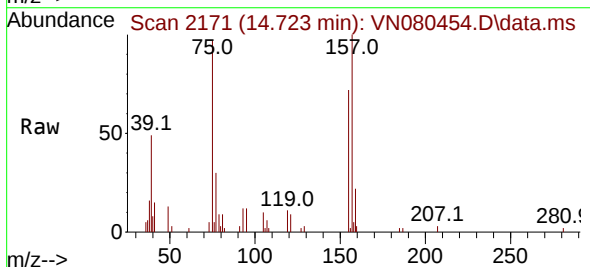
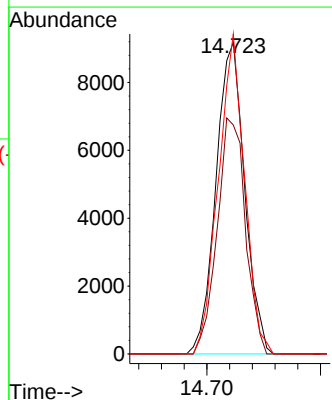
Manual Integrations
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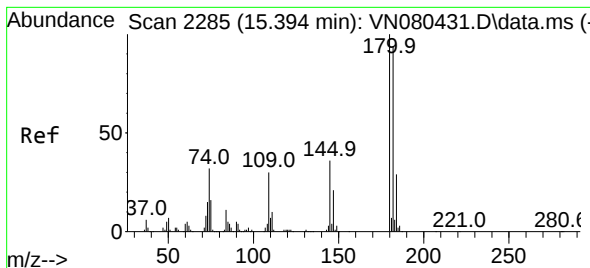
Reviewed By :John Carlone 12/14/2023
Supervised By :Mahesh Dadoda 12/14/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.312 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN080454.D
Acq: 13 Dec 2023 12:08

Tgt Ion: 75 Resp: 16081
Ion Ratio Lower Upper
75 100
155 74.5 39.1 117.2
157 94.0 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 19.506 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

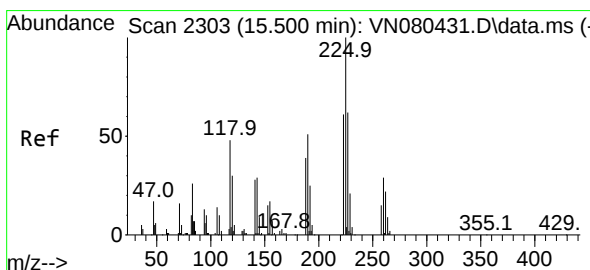
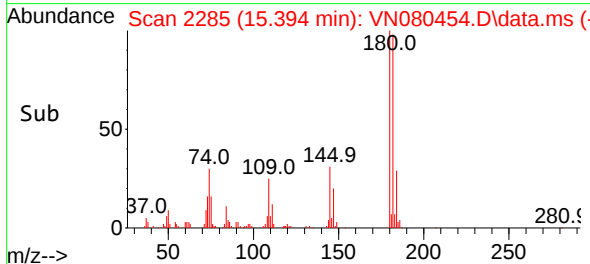
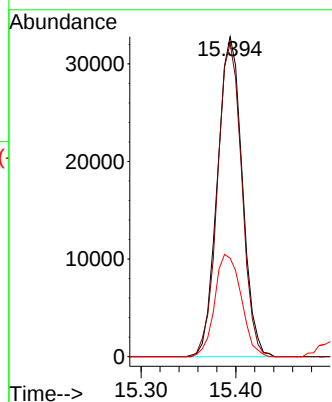
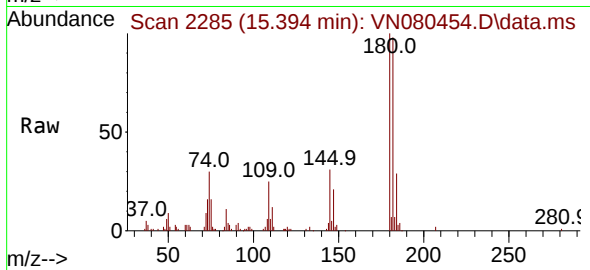
Tgt Ion:	180	Resp:	59670
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.1	138.2
145	34.0	16.6	49.8

Manual Integrations

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Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#94

Hexachlorobutadiene

Concen: 18.308 ug/l

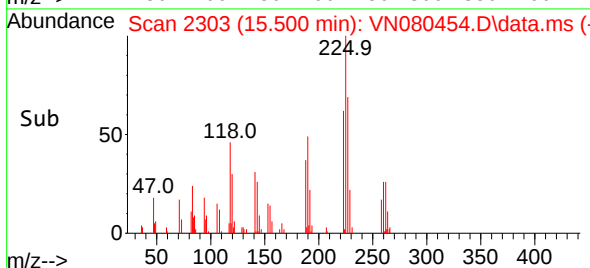
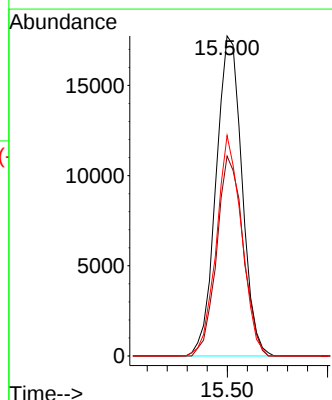
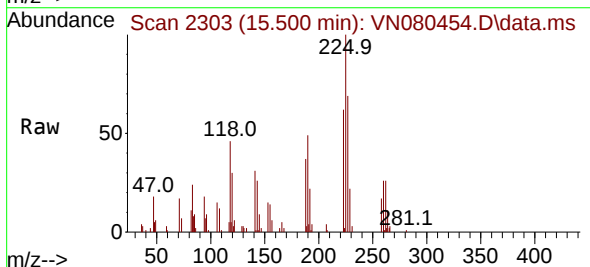
RT: 15.500 min Scan# 2303

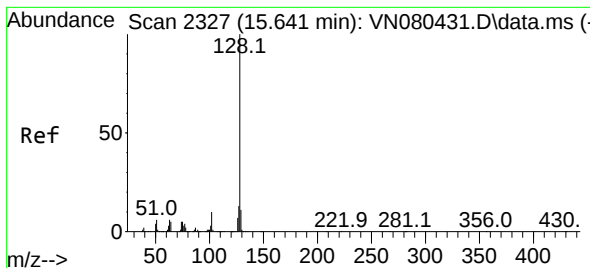
Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion:	225	Resp:	31884
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.3	93.8
227	67.0	31.9	95.9





#95

Naphthalene

Concen: 19.024 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion:128 Resp: 17672

Ion Ratio Lower Upper

128 100

127 13.7 10.0 15.0

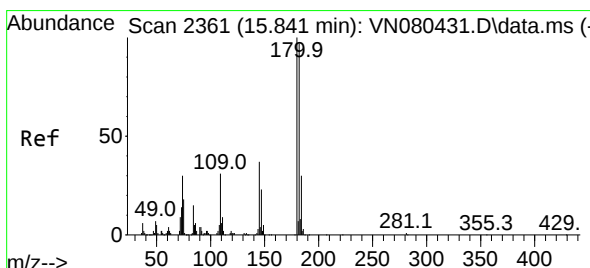
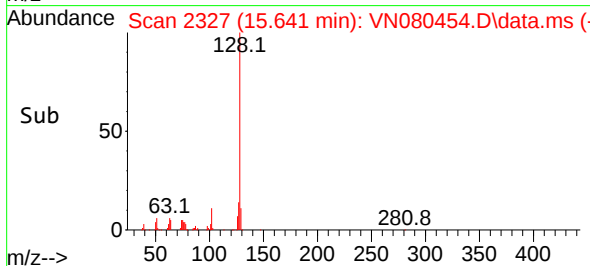
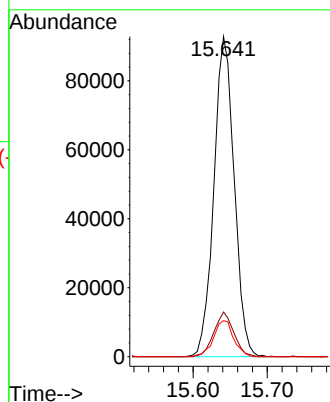
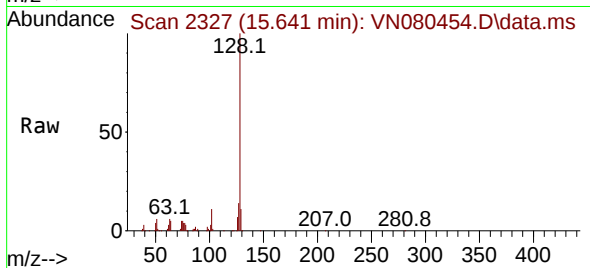
129 11.2 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2023

Supervised By :Mahesh Dadoda 12/14/2023



#96

1,2,3-Trichlorobenzene

Concen: 19.536 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080454.D

Acq: 13 Dec 2023 12:08

Tgt Ion:180 Resp: 57672

Ion Ratio Lower Upper

180 100

182 93.4 46.2 138.6

145 35.0 17.5 52.6

