

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069855.D
 Acq On : 8 Dec 2021 12:35
 Operator : JC/MD
 Sample : VN1208WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 09 11:35:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1078638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1732521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1600824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	659001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	827310	49.676	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.360%		
35) Dibromofluoromethane	8.021	113	563496	51.925	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.840%		
50) Toluene-d8	10.440	98	2251690	51.674	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.340%		
62) 4-Bromofluorobenzene	12.731	95	786120	49.798	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	246265	19.575	ug/l	100
3) Chloromethane	2.306	50	291990	18.526	ug/l	99
4) Vinyl Chloride	2.451	62	275556	19.014	ug/l	97
5) Bromomethane	2.861	94	160393	20.371	ug/l	98
6) Chloroethane	3.025	64	168964	19.026	ug/l	94
7) Trichlorofluoromethane	3.379	101	364320	19.154	ug/l	97
8) Diethyl Ether	3.827	74	139276	19.012	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.210	101	216655	20.320	ug/l	95
10) Methyl Iodide	4.422	142	263723	18.106	ug/l	97
11) Tert butyl alcohol	5.374	59	218636	69.451	ug/l	99
12) 1,1-Dichloroethene	4.181	96	193651	18.848	ug/l	90
13) Acrolein	4.041	56	291984	108.915	ug/l	99
14) Allyl chloride	4.843	41	430765	18.606	ug/l	94
15) Acrylonitrile	5.554	53	736513	86.824	ug/l	99
16) Acetone	4.288	43	872293	87.070	ug/l	94
17) Carbon Disulfide	4.529	76	481303	18.132	ug/l	100
18) Methyl Acetate	4.854	43	513274	16.974	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	759489	19.011	ug/l	96
20) Methylene Chloride	5.095	84	247820	18.608	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	208840	18.714	ug/l	86
22) Diisopropyl ether	6.495	45	902199	19.937	ug/l	97
23) Vinyl Acetate	6.434	43	3578015	97.188	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	456458	19.473	ug/l	98
25) 2-Butanone	7.335	43	1121488	82.390	ug/l #	89
26) 2,2-Dichloropropane	7.324	77	350239	19.217	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	252944	18.760	ug/l	84
28) Bromochloromethane	7.659	49	254889	20.910	ug/l #	76
29) Tetrahydrofuran	7.686	42	702237	84.960	ug/l	87
30) Chloroform	7.817	83	461688	19.502	ug/l	100
31) Cyclohexane	8.094	56	456687	19.704	ug/l	90
32) 1,1,1-Trichloroethane	8.013	97	387464	19.214	ug/l	95
36) 1,1-Dichloropropene	8.222	75	327452	19.854	ug/l	96
37) Ethyl Acetate	7.412	43	441212	17.974	ug/l #	95
38) Carbon Tetrachloride	8.206	117	320075	19.790	ug/l	99
39) Methylcyclohexane	9.462	83	392531	20.009	ug/l	90
40) Benzene	8.458	78	1006800	19.971	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	224744	19.503	ug/l #	87
42) 1,2-Dichloroethane	8.531	62	410342	20.164	ug/l	97
43) Isopropyl Acetate	8.560	43	668623	18.406	ug/l #	94
44) Trichloroethene	9.217	130	238490	19.820	ug/l	94
45) 1,2-Dichloropropane	9.488	63	275399	20.343	ug/l	100
46) Dibromomethane	9.577	93	176882	19.923	ug/l	92
47) Bromodichloromethane	9.759	83	339577	20.201	ug/l	98
48) Methyl methacrylate	9.561	41	334807	19.749	ug/l #	81
49) 1,4-Dioxane	9.566	88	90606	297.864	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	2141242	90.861	ug/l	95
52) Toluene	10.505	92	621233	20.184	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	344682	18.887	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	384642	19.399	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	247090	19.897	ug/l	98
56) Ethyl methacrylate	10.760	69	390068	18.168	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	433258	19.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	401306	77.146	ug/l	91
59) 2-Hexanone	11.084	43	1495426	83.885	ug/l	93
60) Dibromochloromethane	11.237	129	235537	19.237	ug/l	100
61) 1,2-Dibromoethane	11.344	107	245075	19.054	ug/l	99
64) Tetrachloroethene	10.977	164	226642	20.880	ug/l	96
65) Chlorobenzene	11.768	112	648346	19.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	229339	20.064	ug/l	99
67) Ethyl Benzene	11.843	91	1199939	20.341	ug/l	95
68) m/p-Xylenes	11.953	106	872013	40.598	ug/l	91
69) o-Xylene	12.280	106	424562	19.623	ug/l	88
70) Styrene	12.294	104	676156	19.709	ug/l	95
71) Bromoform	12.457	173	157156	17.928	ug/l #	99
73) Isopropylbenzene	12.578	105	1118967	19.084	ug/l	99
74) N-amyl acetate	12.388	43	423891	16.348	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	375429	18.517	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	321327m	17.003	ug/l	
77) Bromobenzene	12.860	156	260557	18.919	ug/l	79
78) n-propylbenzene	12.921	91	1271058	19.481	ug/l	96
79) 2-Chlorotoluene	13.007	91	796708	19.325	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	931296	19.734	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	81283	16.994	ug/l #	82
82) 4-Chlorotoluene	13.104	91	750038	19.345	ug/l	92
83) tert-Butylbenzene	13.324	119	791707	18.946	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	893893	19.889	ug/l	97
85) sec-Butylbenzene	13.501	105	1096024	19.337	ug/l	97
86) p-Isopropyltoluene	13.616	119	861547	19.446	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	433235	19.148	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	414967	18.663	ug/l	97
89) n-Butylbenzene	13.943	91	657552	18.296	ug/l	97
90) Hexachloroethane	14.211	117	142790	18.357	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	421927	19.140	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	58673	16.015	ug/l	77
93) 1,2,4-Trichlorobenzene	15.263	180	163160	17.100	ug/l	97
94) Hexachlorobutadiene	15.370	225	112541	19.263	ug/l	98
95) Naphthalene	15.507	128	368802	14.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	157344	16.640	ug/l	98

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ClientSampleId :
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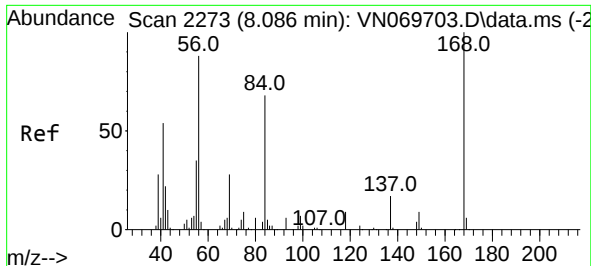
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

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



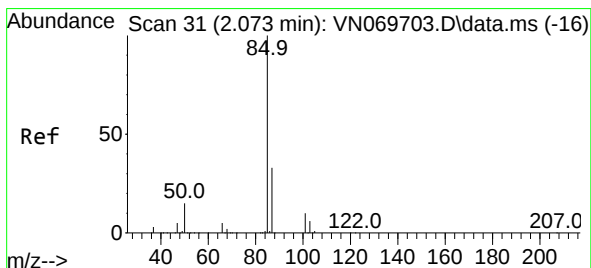
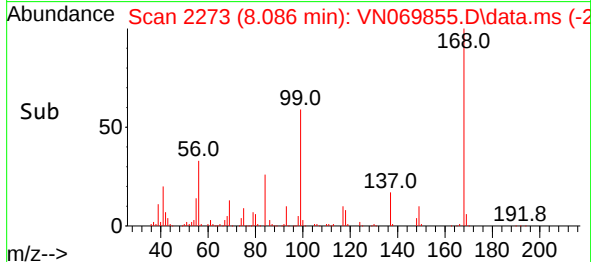
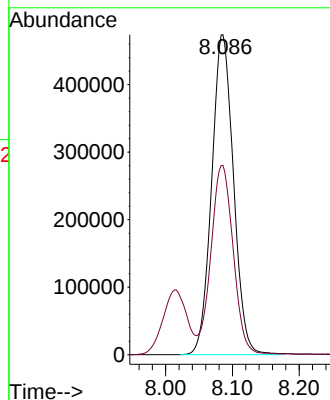
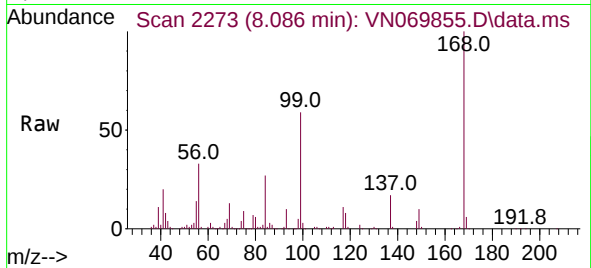
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion:168 Resp: 1078638
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9

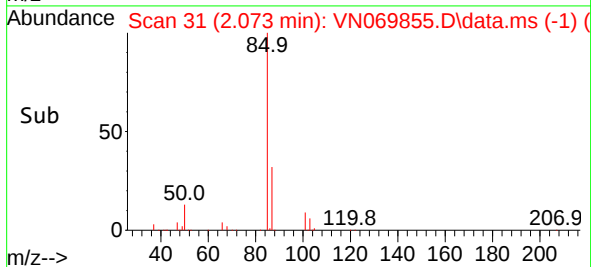
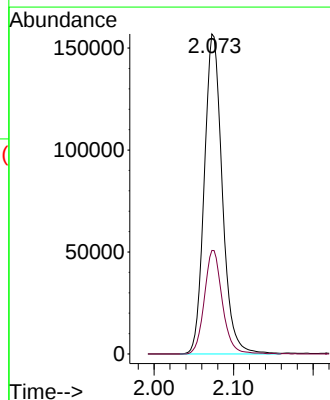
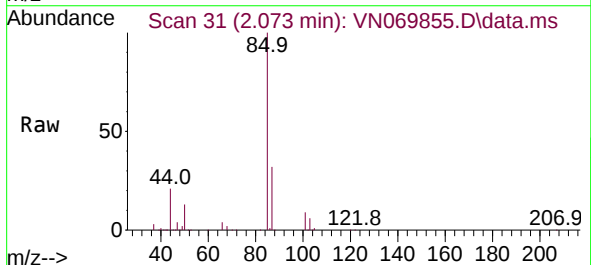
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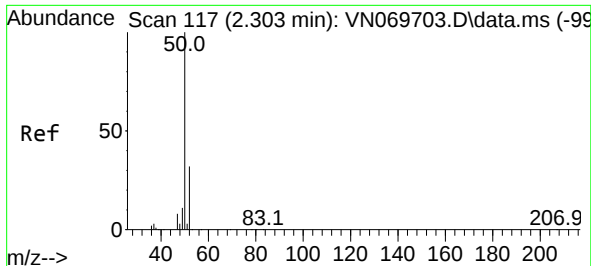
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#2
Dichlorodifluoromethane
Concen: 19.575 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

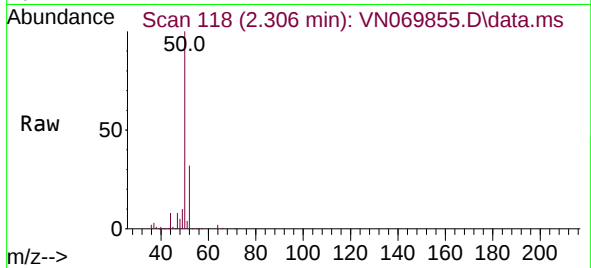
Tgt Ion: 85 Resp: 246265
Ion Ratio Lower Upper
85 100
87 32.4 16.3 48.9





#3
Chloromethane
Concen: 18.526 ug/l
RT: 2.306 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

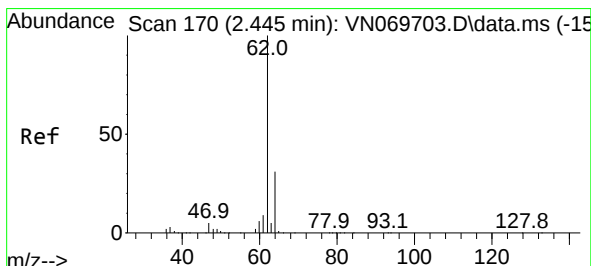
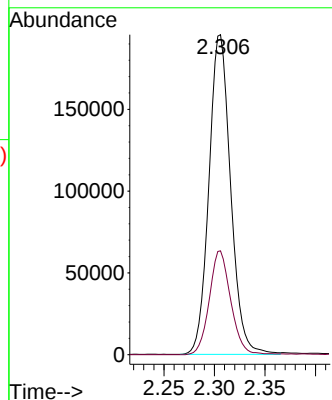
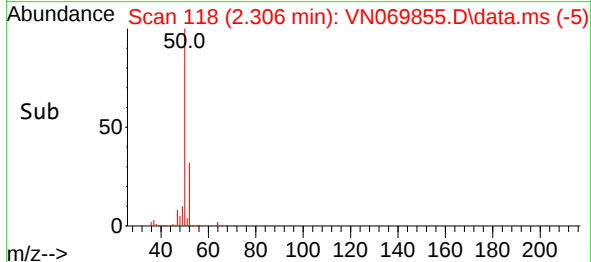
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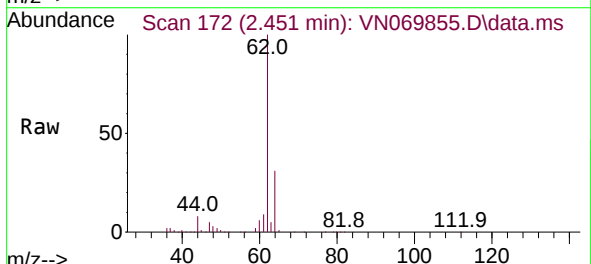
Tgt Ion: 50 Resp: 291990
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.0

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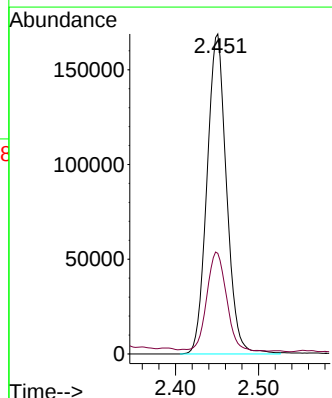
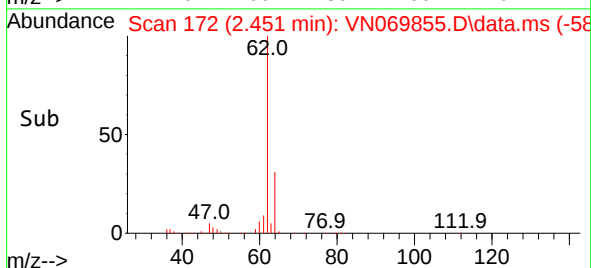
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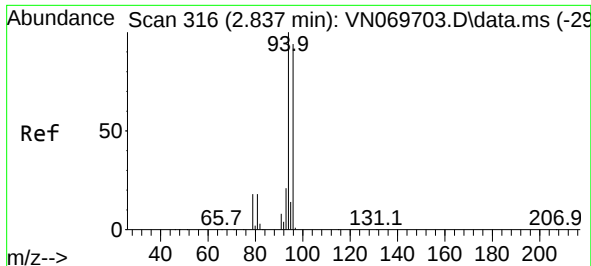


#4
Vinyl Chloride
Concen: 19.014 ug/l
RT: 2.451 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



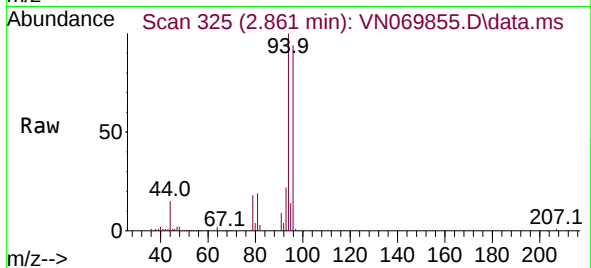
Tgt Ion: 62 Resp: 275556
Ion Ratio Lower Upper
62 100
64 30.4 25.8 38.6





#5
Bromomethane
Concen: 20.371 ug/l
RT: 2.861 min Scan# 316
Delta R.T. 0.024 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

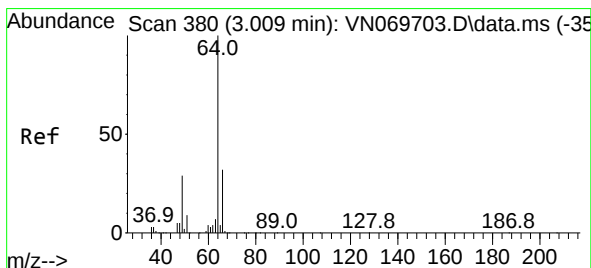
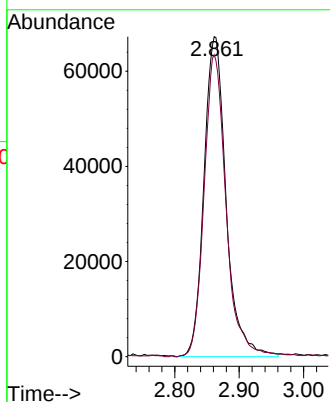
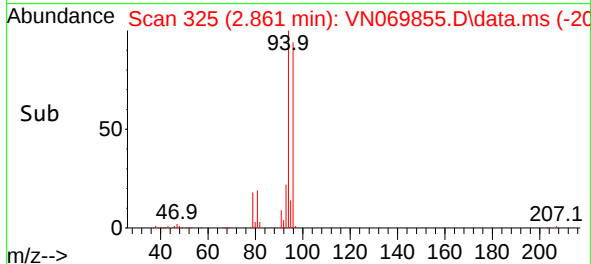
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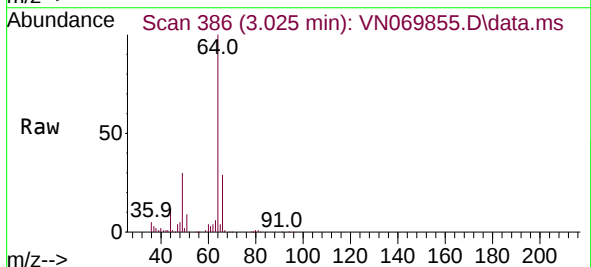
Tgt Ion: 94 Resp: 16039
Ion Ratio Lower Upper
94 100
96 94.3 73.8 110.8

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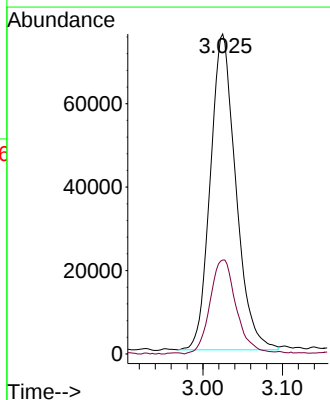
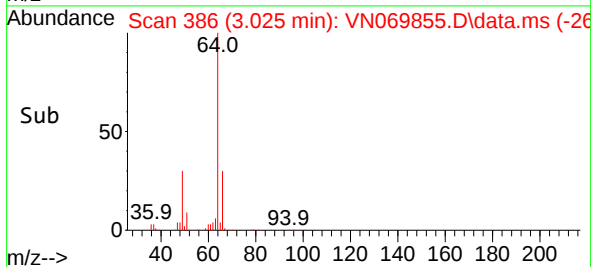
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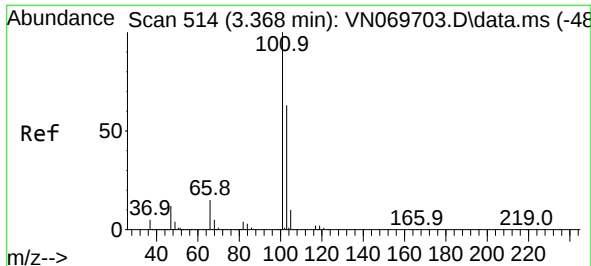


#6
Chloroethane
Concen: 19.026 ug/l
RT: 3.025 min Scan# 386
Delta R.T. 0.016 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



Tgt Ion: 64 Resp: 168964
Ion Ratio Lower Upper
64 100
66 29.4 26.3 39.5





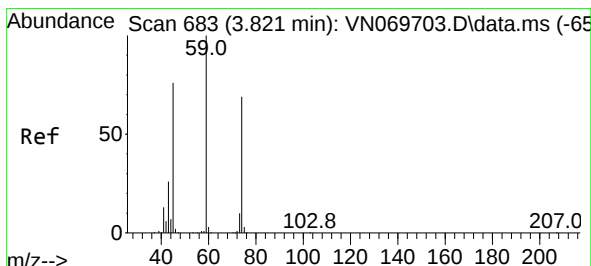
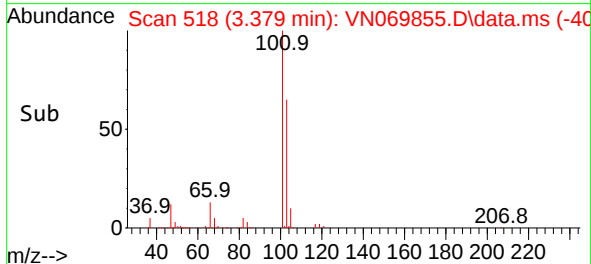
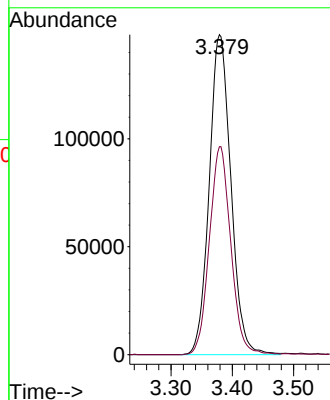
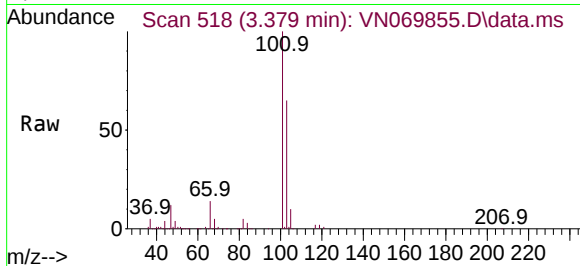
#7
Trichlorofluoromethane
Concen: 19.154 ug/l
RT: 3.379 min Scan# 514
Delta R.T. 0.011 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 364320
Ion Ratio Lower Upper
101 100
103 65.0 50.1 75.1

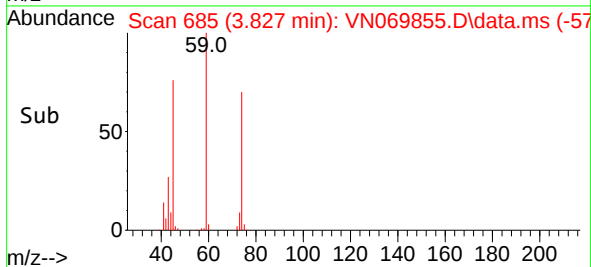
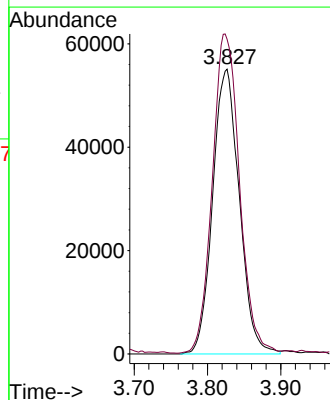
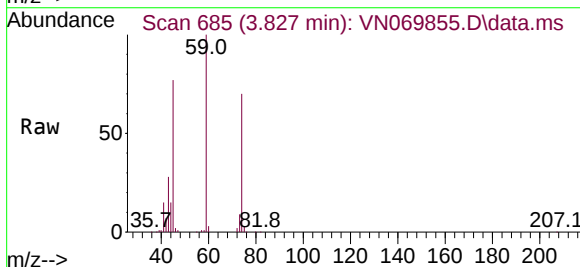
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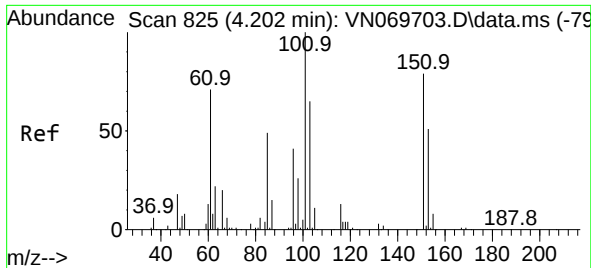
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#8
Diethyl Ether
Concen: 19.012 ug/l
RT: 3.827 min Scan# 685
Delta R.T. 0.006 min
Lab File: VN069855.D
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Tgt Ion: 74 Resp: 139276
Ion Ratio Lower Upper
74 100
45 114.2 47.0 141.2





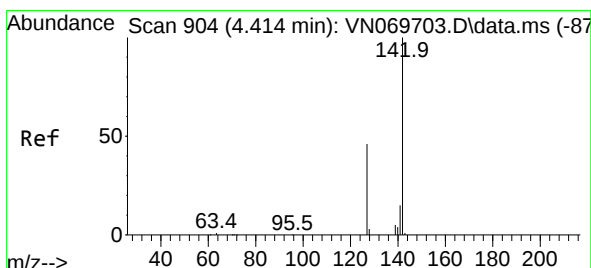
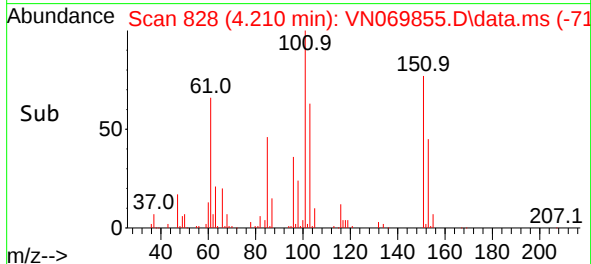
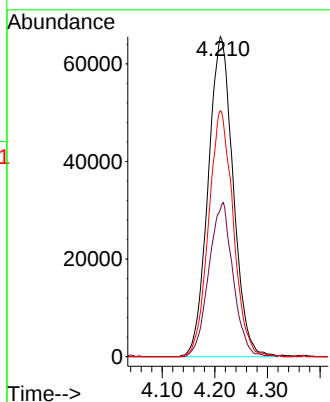
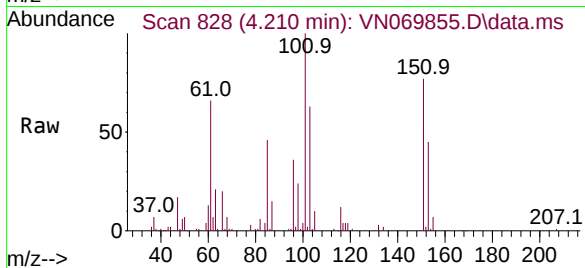
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.320 ug/l
RT: 4.210 min Scan# 81
Delta R.T. 0.008 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion:101 Resp: 21665
Ion Ratio Lower Upper
101 100
85 46.6 37.2 55.8
151 75.7 65.9 98.9

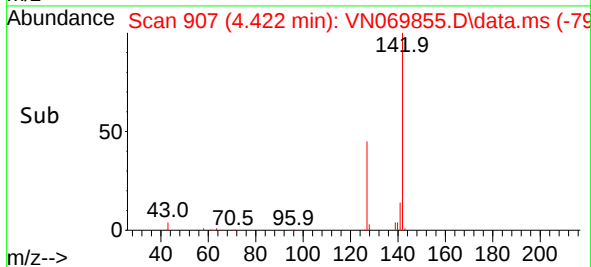
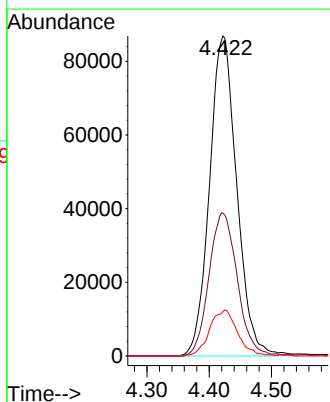
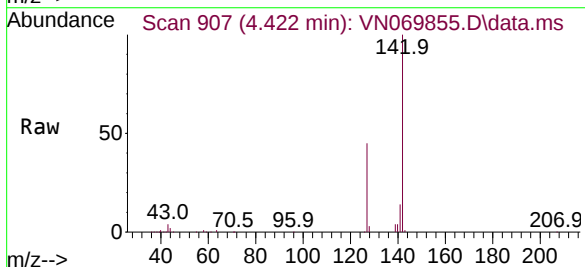
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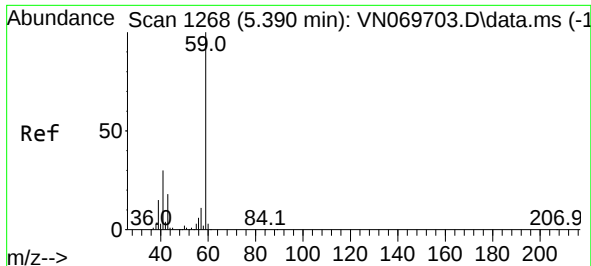
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#10
Methyl Iodide
Concen: 18.106 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.008 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion:142 Resp: 263723
Ion Ratio Lower Upper
142 100
127 46.3 35.4 53.0
141 14.7 11.6 17.4





#11

Tert butyl alcohol

Concen: 69.451 ug/l

RT: 5.374 min Scan# 11

Delta R.T. -0.016 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 59 Resp: 218630

Ion Ratio Lower Upper

59 100

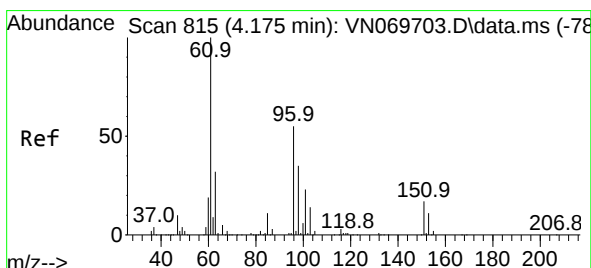
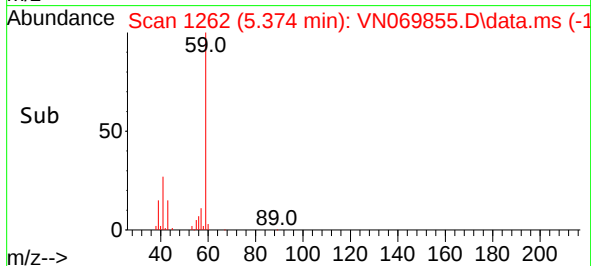
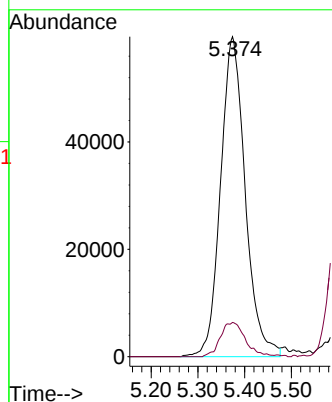
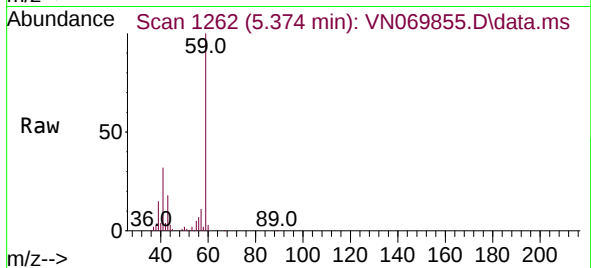
57 10.6 8.7 13.1

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Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#12

1,1-Dichloroethene

Concen: 18.848 ug/l

RT: 4.181 min Scan# 817

Delta R.T. 0.006 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

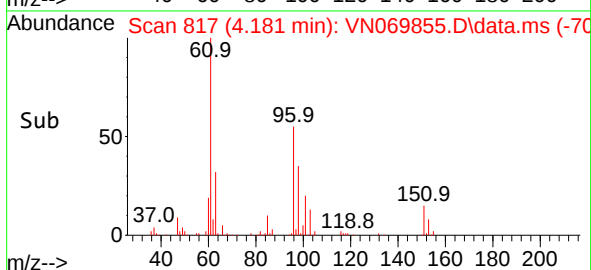
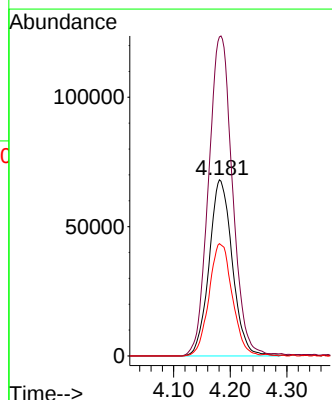
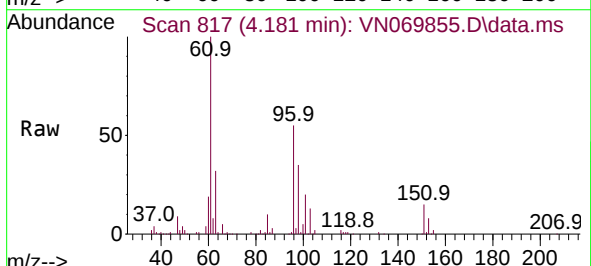
Tgt Ion: 96 Resp: 193651

Ion Ratio Lower Upper

96 100

61 181.1 131.0 196.6

98 63.8 52.4 78.6





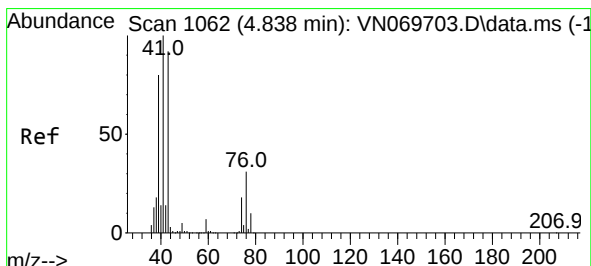
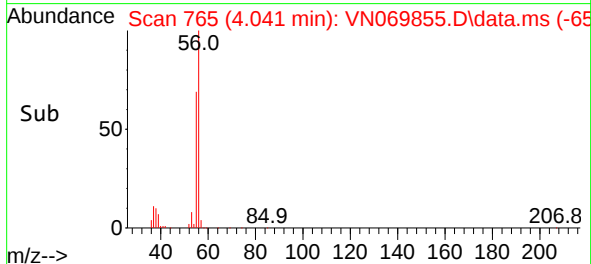
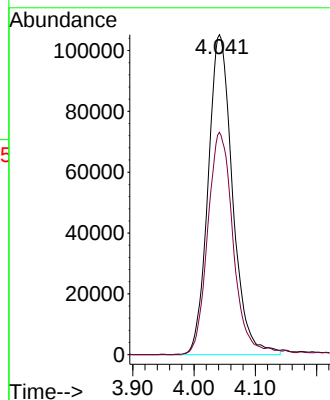
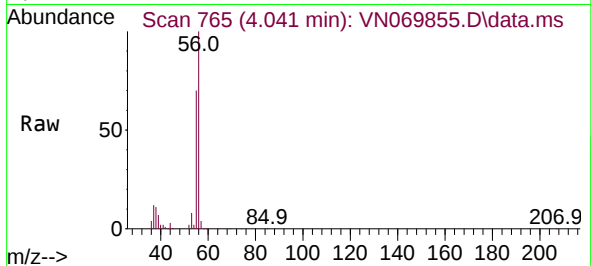
#13
Acrolein
Concen: 108.915 ug/l
RT: 4.041 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion: 56 Resp: 291984
Ion Ratio Lower Upper
56 100
55 71.4 56.6 85.0

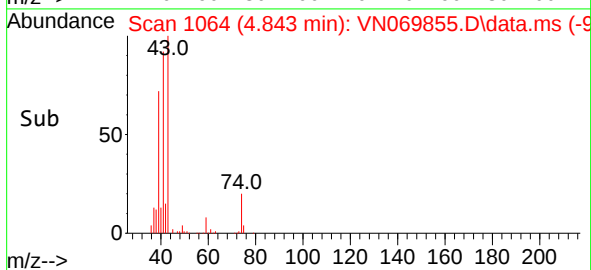
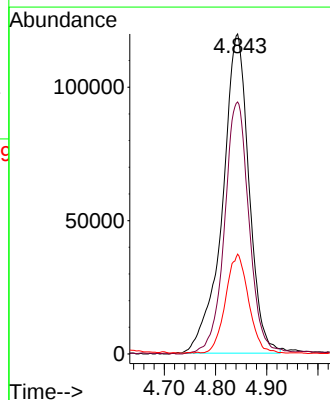
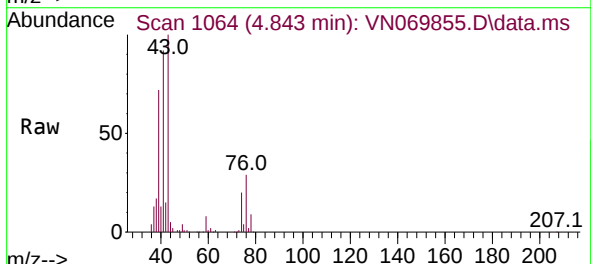
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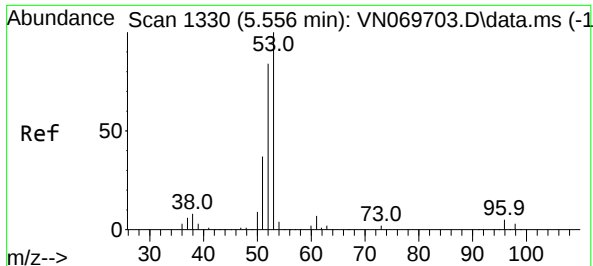
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#14
Allyl chloride
Concen: 18.606 ug/l
RT: 4.843 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

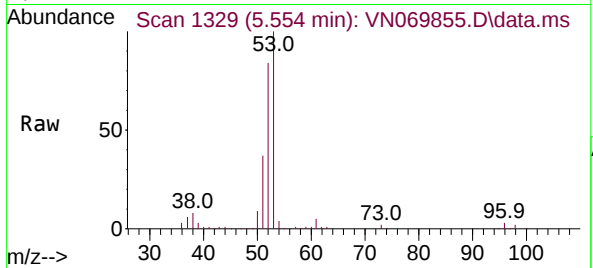
Tgt Ion: 41 Resp: 430765
Ion Ratio Lower Upper
41 100
39 73.6 61.2 91.8
76 26.7 26.0 39.0





#15
Acrylonitrile
Concen: 86.824 ug/l
RT: 5.554 min Scan# 1329
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

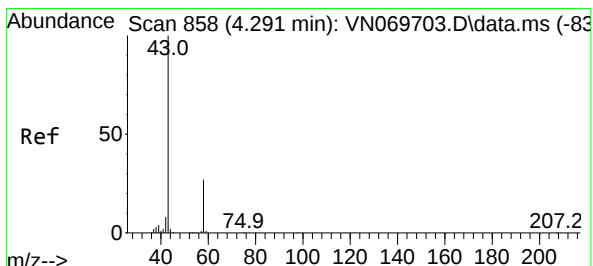
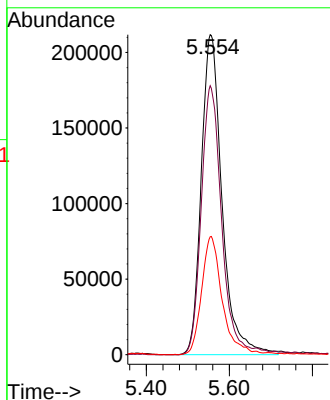
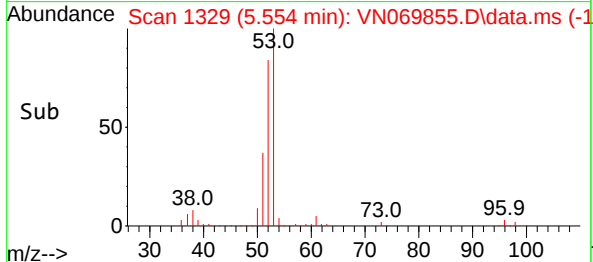
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion: 53 Resp: 73651
Ion Ratio Lower Upper
53 100
52 81.5 66.2 99.2
51 36.2 29.6 44.4

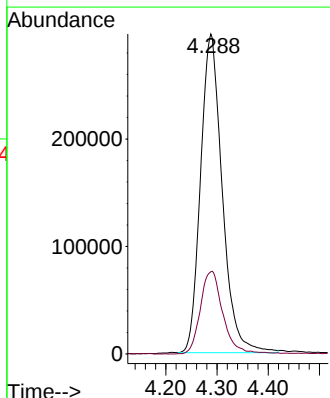
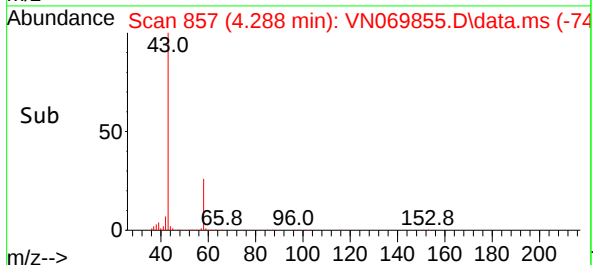
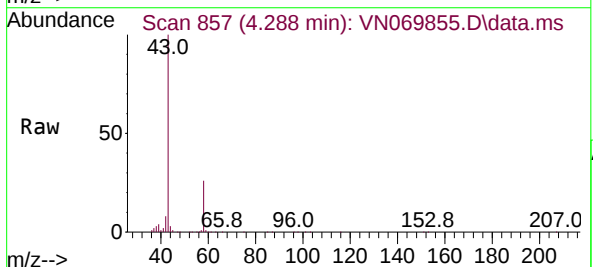
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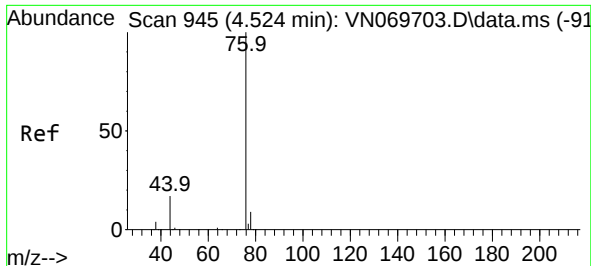
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#16
Acetone
Concen: 87.070 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

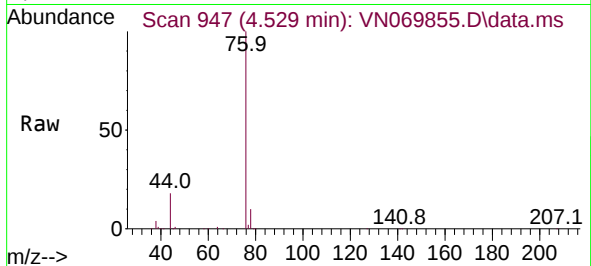
Tgt Ion: 43 Resp: 872293
Ion Ratio Lower Upper
43 100
58 25.7 23.1 34.7





#17
Carbon Disulfide
Concen: 18.132 ug/l
RT: 4.529 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

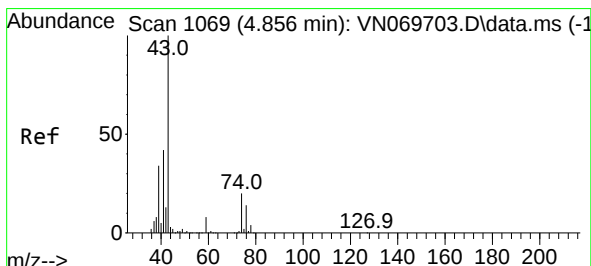
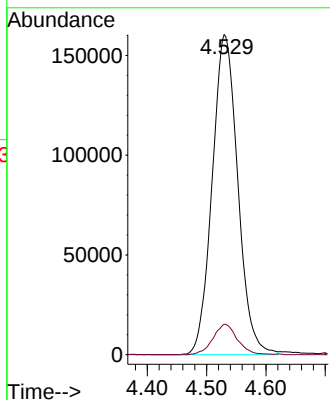
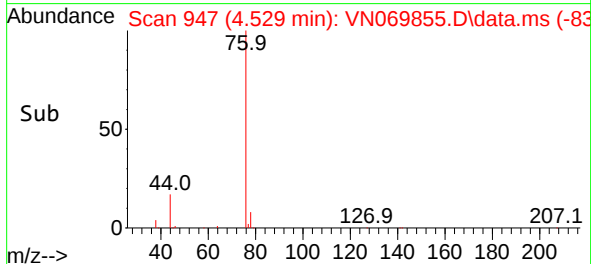
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



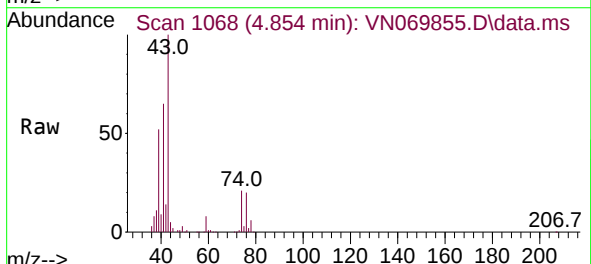
Tgt Ion: 76 Resp: 48130
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3

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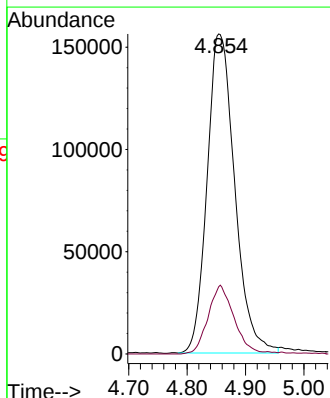
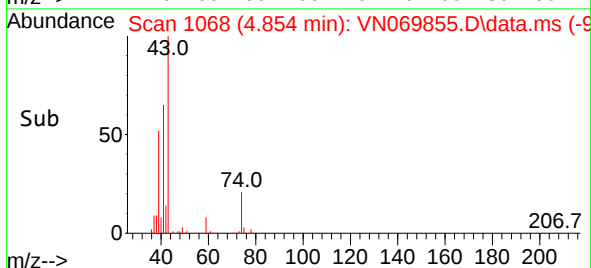
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

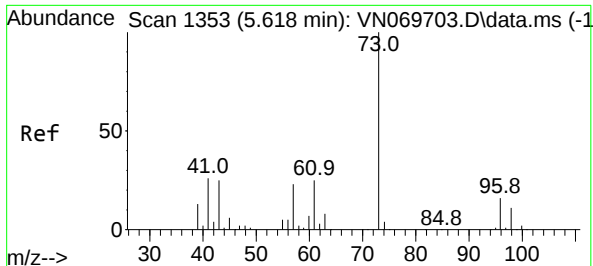


#18
Methyl Acetate
Concen: 16.974 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



Tgt Ion: 43 Resp: 513274
Ion Ratio Lower Upper
43 100
74 20.1 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 19.011 ug/l

RT: 5.616 min Scan# 1152

Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 73 Resp: 759489

Ion Ratio Lower Upper

73 100

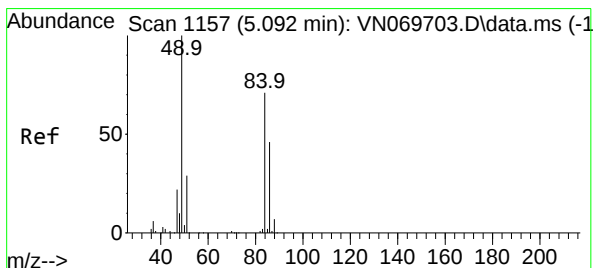
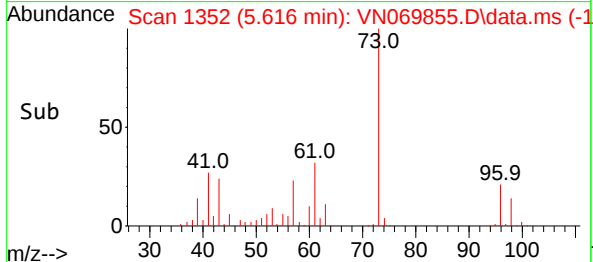
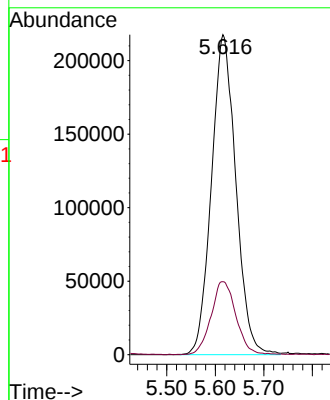
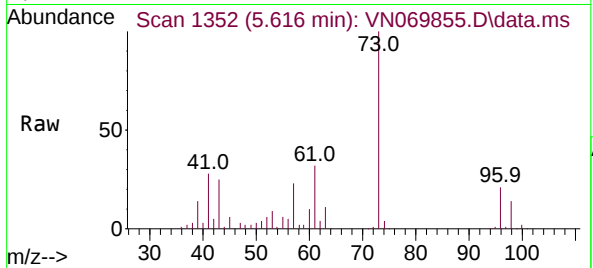
57 22.7 16.8 25.2

Manual Integrations

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Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#20

Methylene Chloride

Concen: 18.608 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Tgt Ion: 84 Resp: 247820

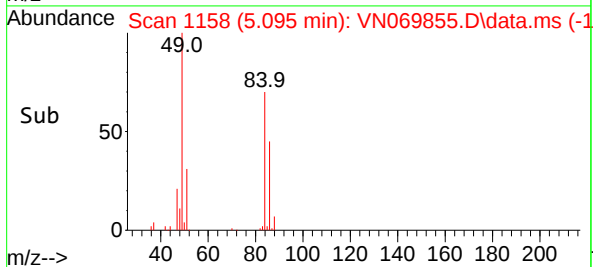
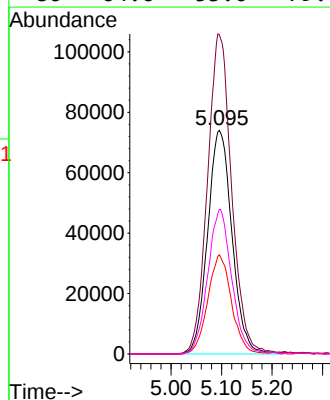
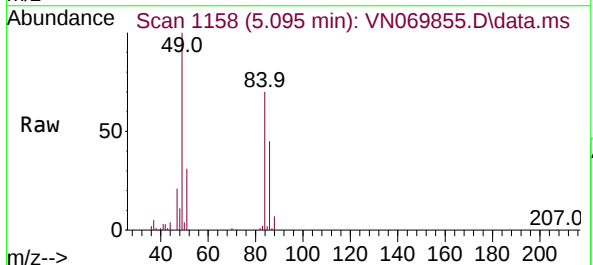
Ion Ratio Lower Upper

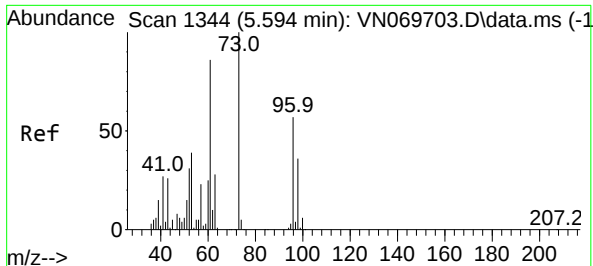
84 100

49 142.7 93.5 140.3#

51 44.4 29.4 44.2#

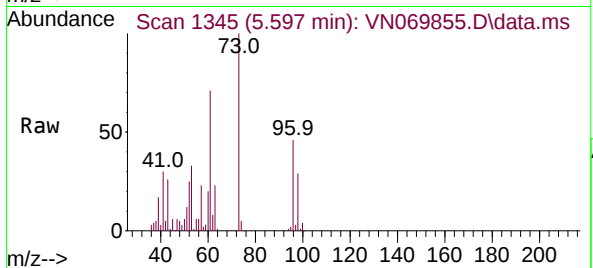
86 64.6 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 18.714 ug/l
RT: 5.597 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

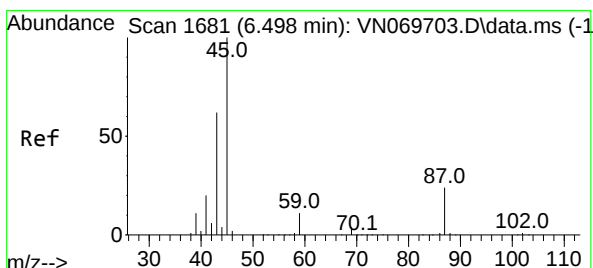
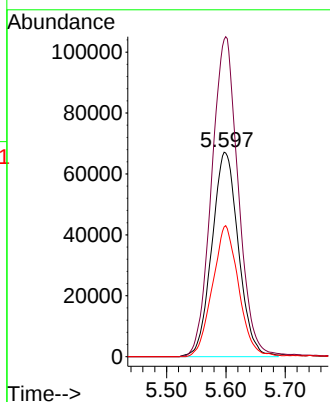
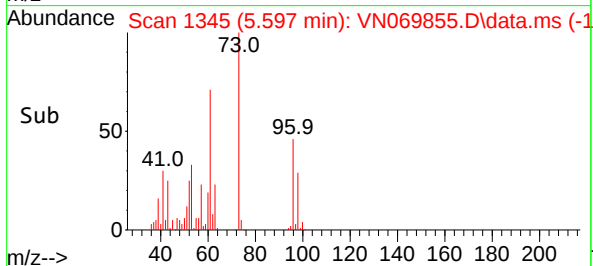
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion: 96 Resp: 208840
Ion Ratio Lower Upper
96 100
61 155.1 105.8 158.6
98 63.4 52.0 78.0

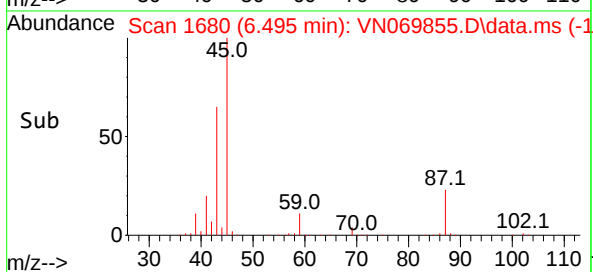
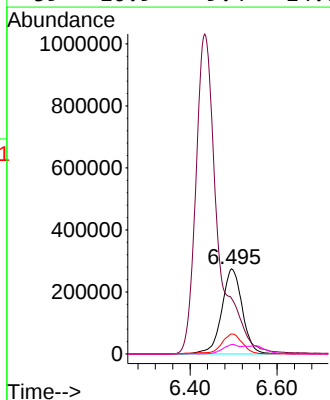
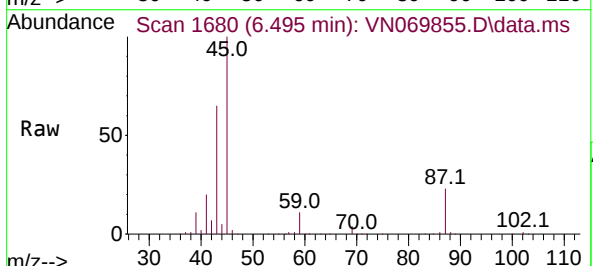
Manual Integrations
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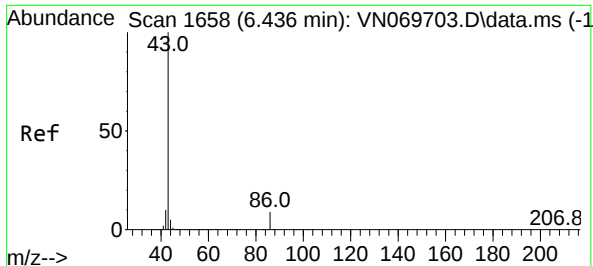
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#22
Diisopropyl ether
Concen: 19.937 ug/l
RT: 6.495 min Scan# 1680
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

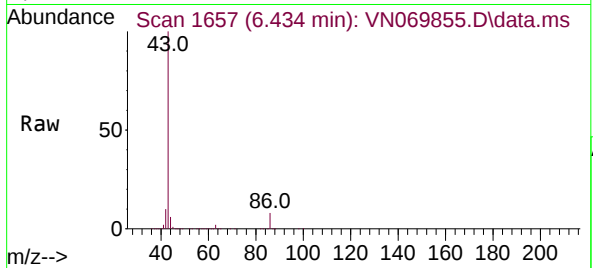
Tgt Ion: 45 Resp: 902199
Ion Ratio Lower Upper
45 100
43 64.1 51.7 77.5
87 23.4 23.2 34.8
59 10.9 9.4 14.0





#23
 Vinyl Acetate
 Concen: 97.188 ug/l
 RT: 6.434 min Scan# 1657
 Delta R.T. -0.003 min
 Lab File: VN069855.D
 Acq: 8 Dec 2021 12:35

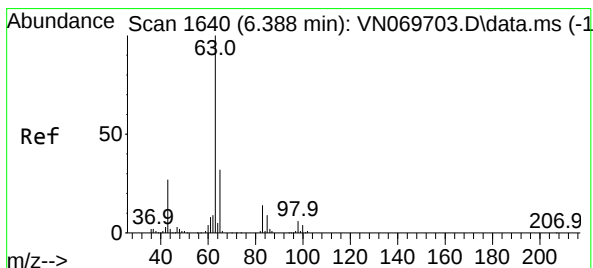
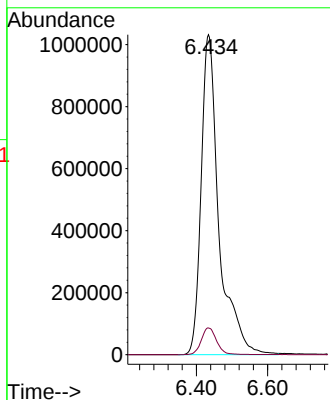
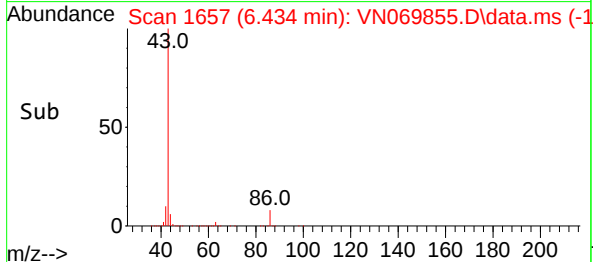
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01



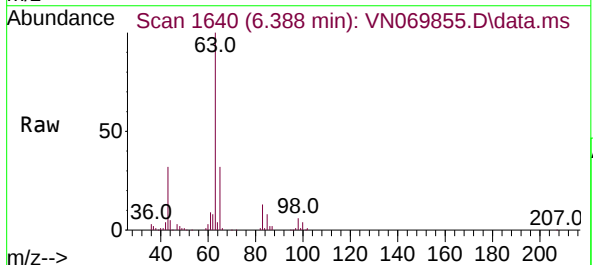
Tgt Ion: 43 Resp: 357801
 Ion Ratio Lower Upper
 43 100
 86 8.3 8.5 12.7

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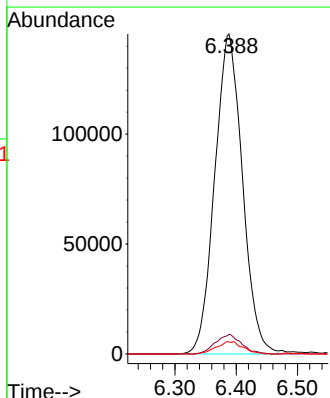
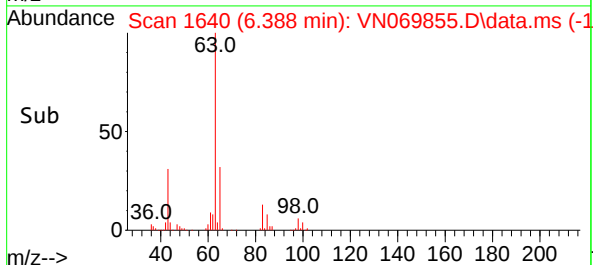
Reviewed By :John Carlone 12/10/2021
 Supervised By :Mahesh Dadoda 12/15/2021



#24
 1,1-Dichloroethane
 Concen: 19.473 ug/l
 RT: 6.388 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VN069855.D
 Acq: 8 Dec 2021 12:35



Tgt Ion: 63 Resp: 456458
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 82.390 ug/l

RT: 7.335 min Scan# 1994

Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 43 Resp: 112148

Ion Ratio Lower Upper

43 100

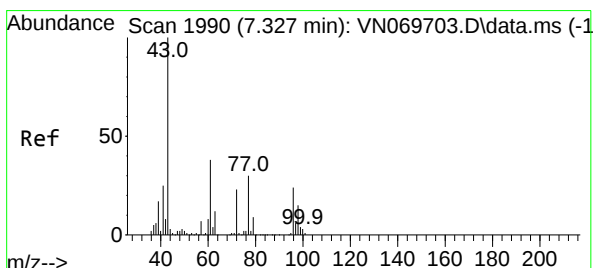
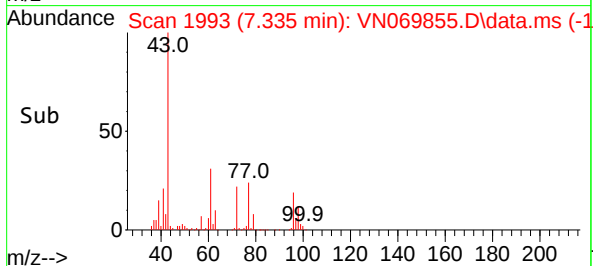
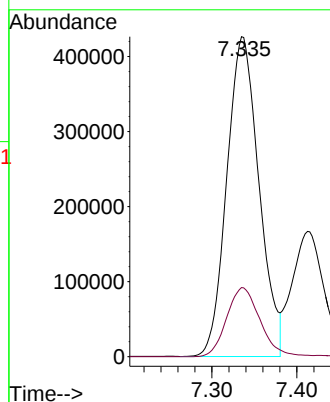
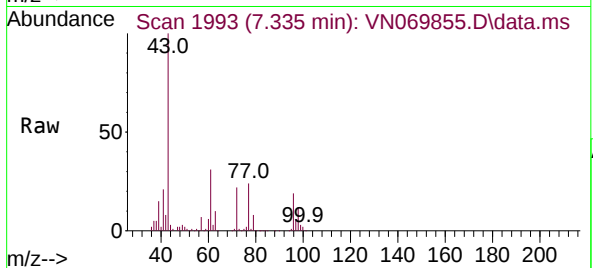
72 21.6 21.7 32.5

Manual Integrations

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Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#26

2,2-Dichloropropane

Concen: 19.217 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.003 min

Lab File: VN069855.D

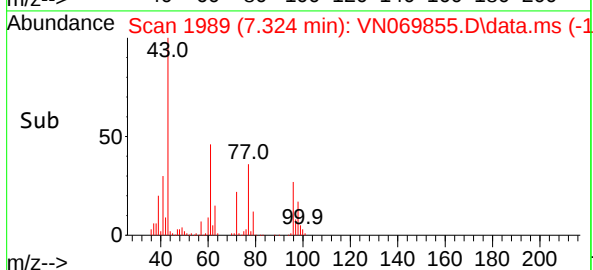
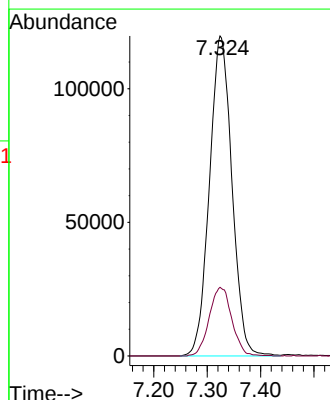
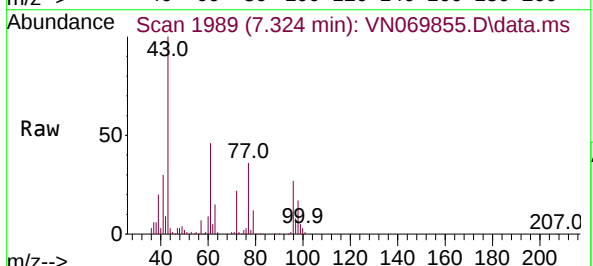
Acq: 8 Dec 2021 12:35

Tgt Ion: 77 Resp: 350239

Ion Ratio Lower Upper

77 100

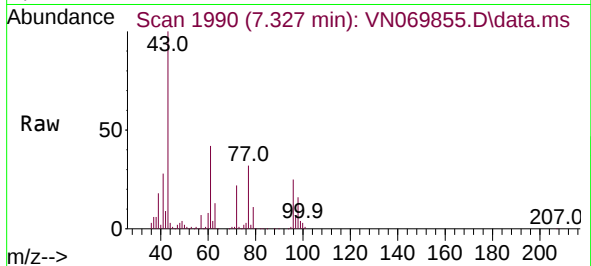
97 21.6 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 18.760 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: VN069855.D
 Acq: 8 Dec 2021 12:35

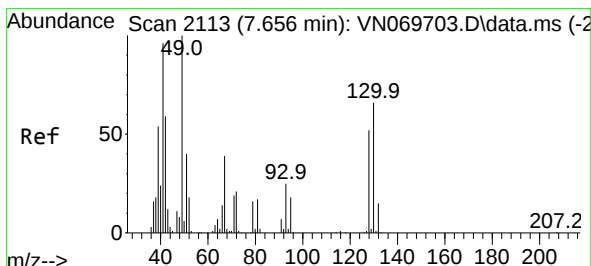
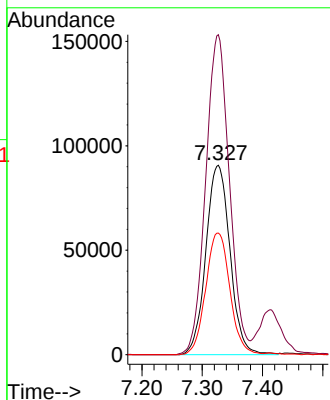
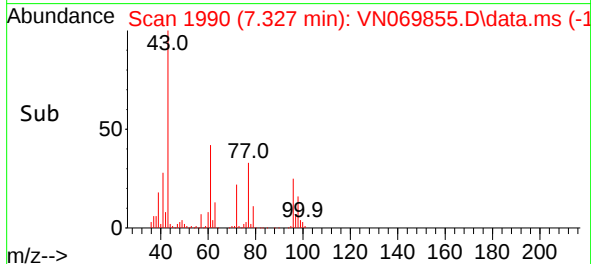
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01



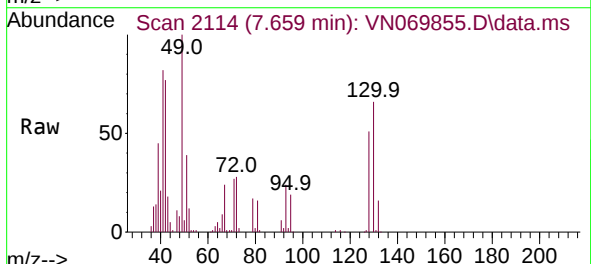
Tgt Ion: 96 Resp: 252944
 Ion Ratio Lower Upper
 96 100
 61 165.7 0.0 275.0
 98 64.1 0.0 129.6

Manual Integrations
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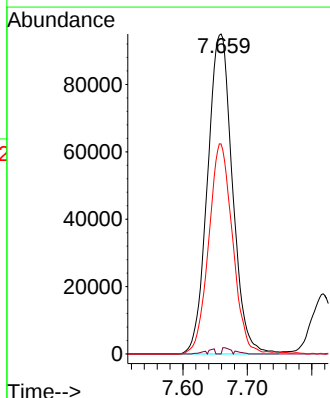
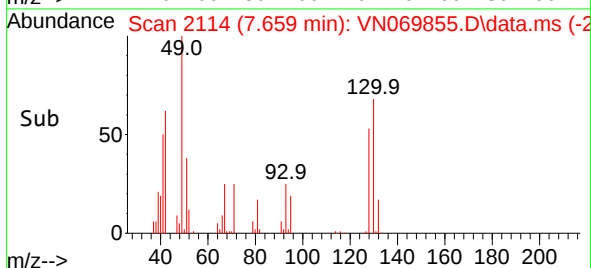
Reviewed By :John Carlone 12/10/2021
 Supervised By :Mahesh Dadoda 12/15/2021



#28
 Bromochloromethane
 Concen: 20.910 ug/l
 RT: 7.659 min Scan# 2114
 Delta R.T. 0.003 min
 Lab File: VN069855.D
 Acq: 8 Dec 2021 12:35



Tgt Ion: 49 Resp: 254889
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 4.0
 130 62.8 67.8 101.8#





#29

Tetrahydrofuran

Concen: 84.960 ug/l

RT: 7.686 min Scan# 2124

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

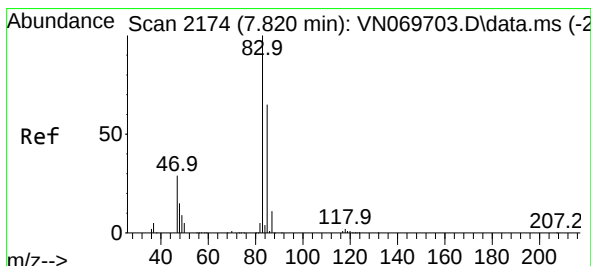
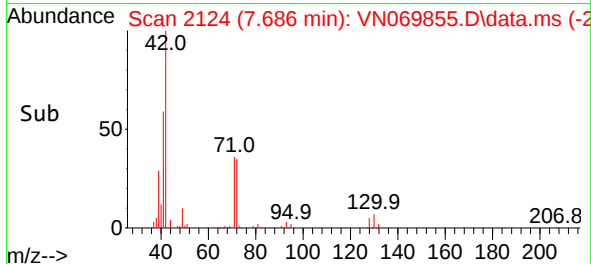
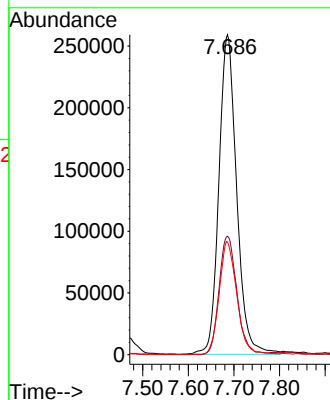
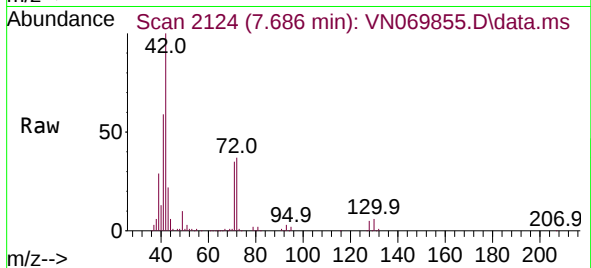
Tgt Ion:	42	Resp:	70223
Ion	Ratio	Lower	Upper
42	100		
72	36.9	36.3	54.5
71	35.0	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#30

Chloroform

Concen: 19.502 ug/l

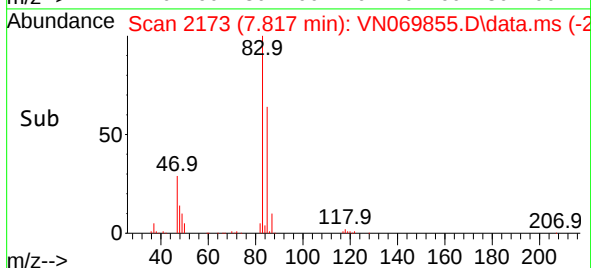
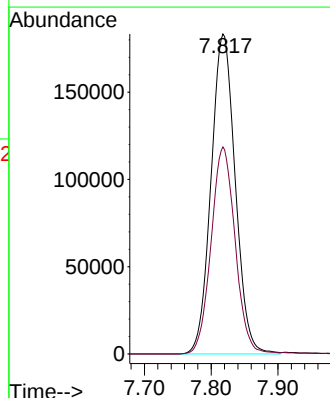
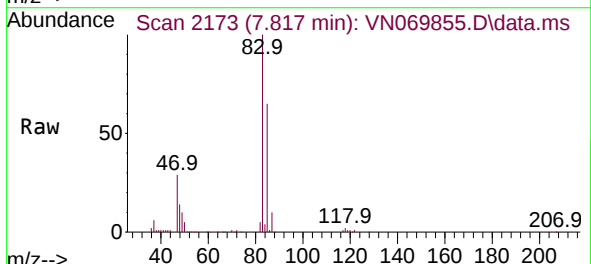
RT: 7.817 min Scan# 2173

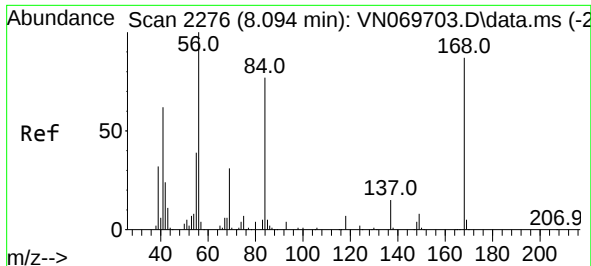
Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

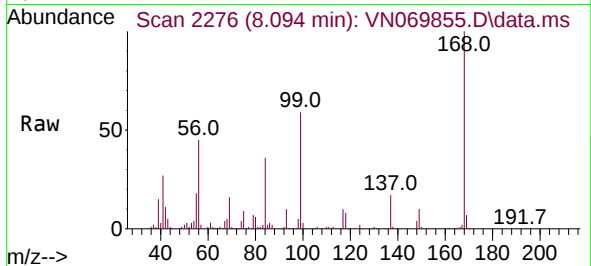
Tgt Ion:	83	Resp:	461688
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





#31
Cyclohexane
Concen: 19.704 ug/l
RT: 8.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

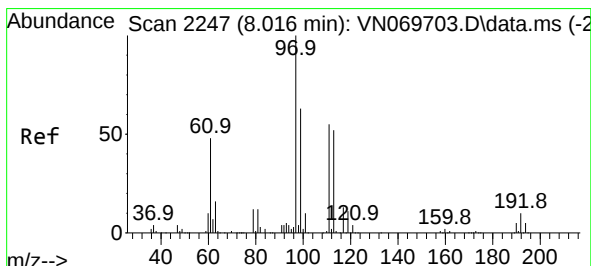
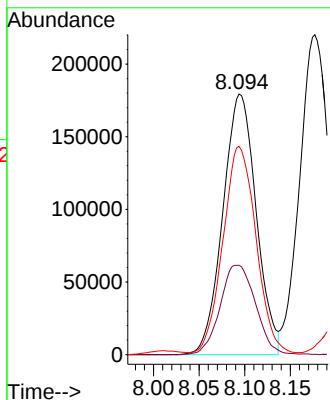
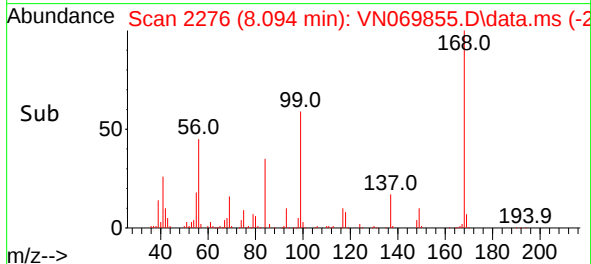
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



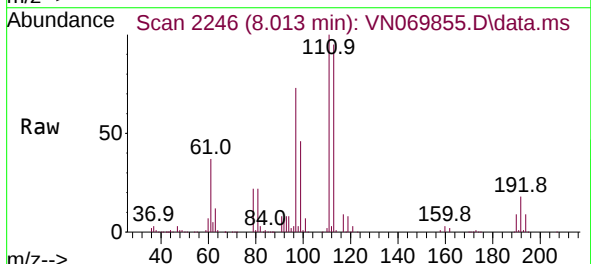
Tgt Ion: 56 Resp: 45668
Ion Ratio Lower Upper
56 100
69 34.1 27.1 40.7
84 78.8 73.4 110.0

Manual Integrations
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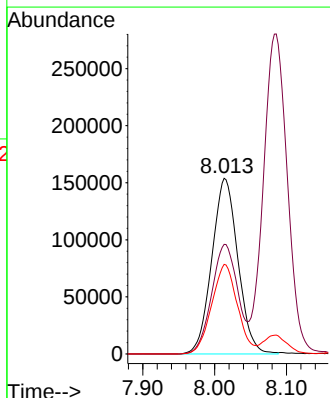
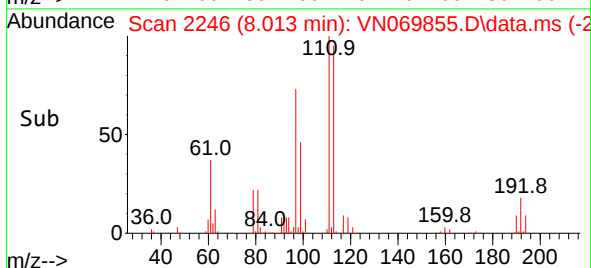
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#32
1,1,1-Trichloroethane
Concen: 19.214 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



Tgt Ion: 97 Resp: 387464
Ion Ratio Lower Upper
97 100
99 62.2 50.1 75.1
61 50.7 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.676 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 65 Resp: 827310

Ion Ratio Lower Upper

65 100

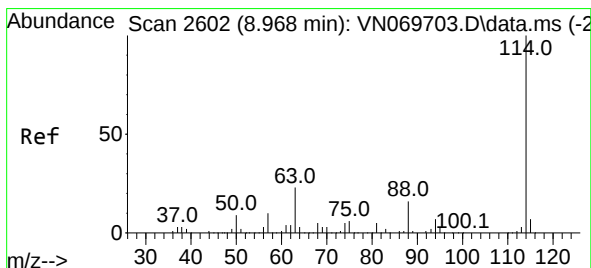
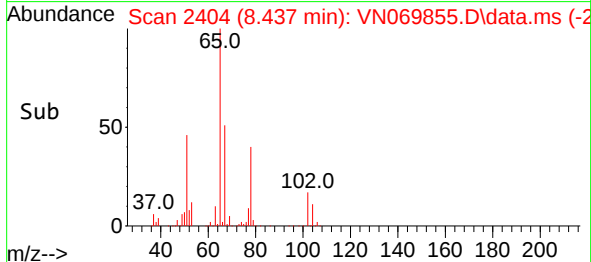
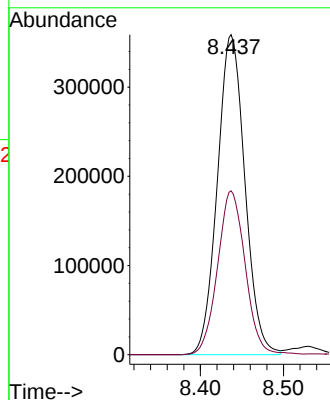
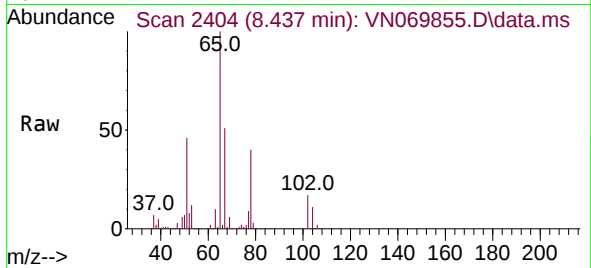
67 51.4 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

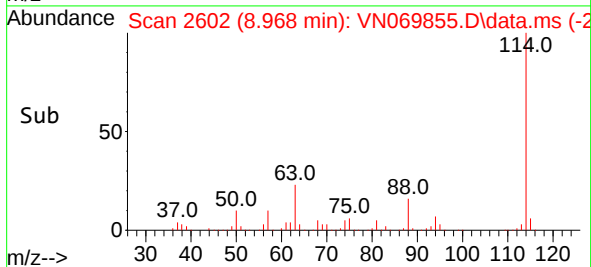
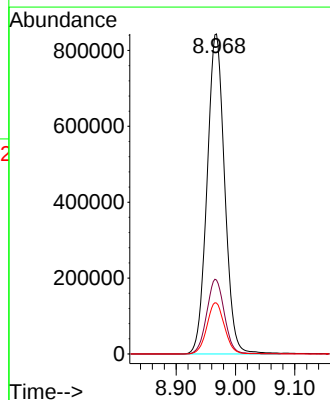
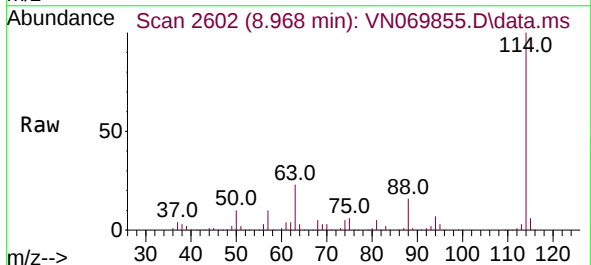
Tgt Ion:114 Resp: 1732521

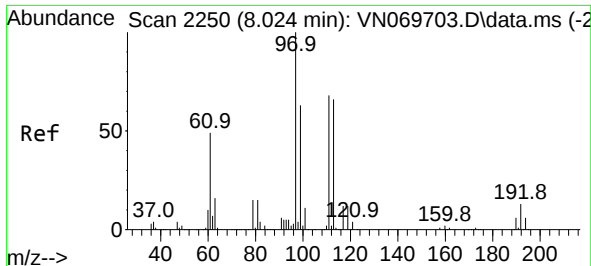
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

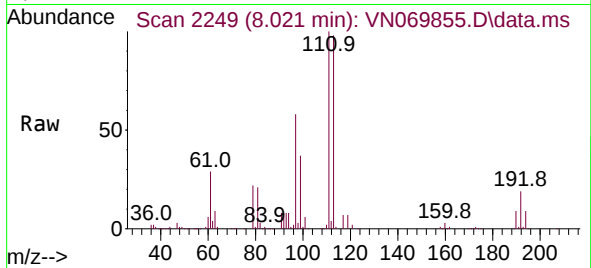
88 15.9 0.0 27.4





#35
Dibromofluoromethane
Concen: 51.925 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

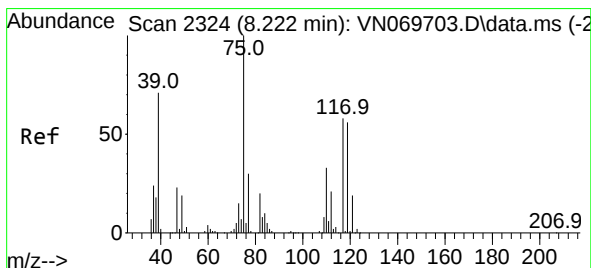
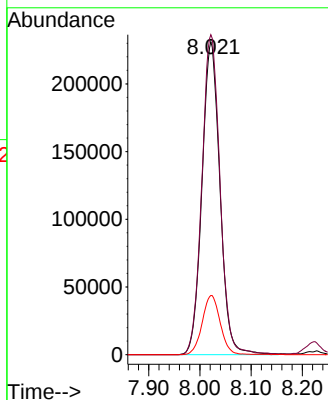
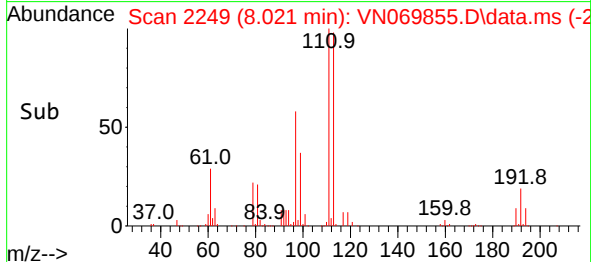
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion:113 Resp: 563490
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.0 16.9 25.3

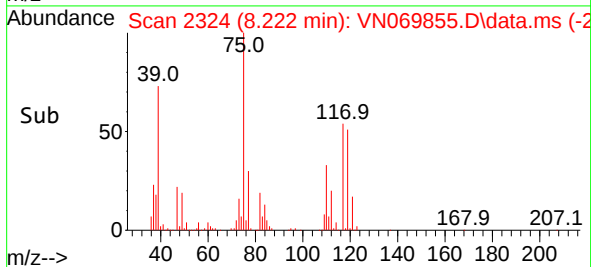
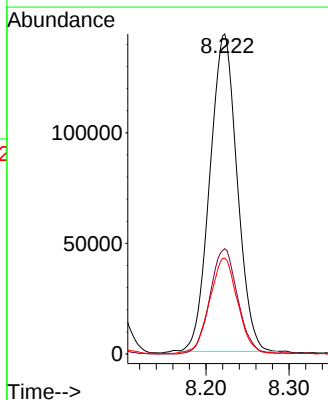
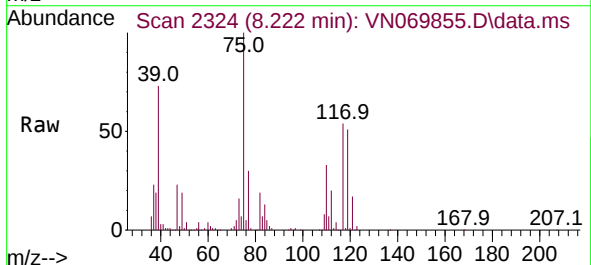
Manual Integrations
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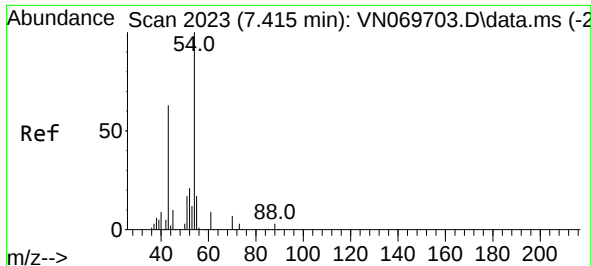
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#36
1,1-Dichloropropene
Concen: 19.854 ug/l
RT: 8.222 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion: 75 Resp: 327452
Ion Ratio Lower Upper
75 100
110 33.7 18.4 55.2
77 31.4 24.4 36.6





#37

Ethyl Acetate

Concen: 17.974 ug/l

RT: 7.412 min Scan# 2023

Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 43 Resp: 44121

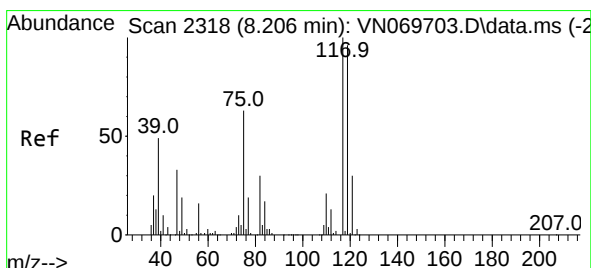
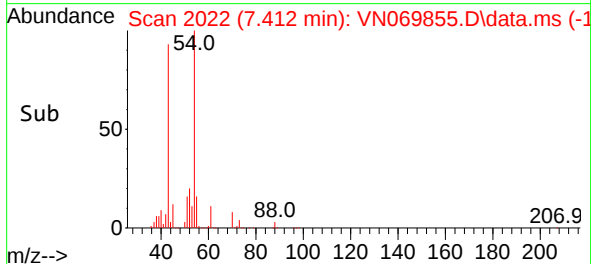
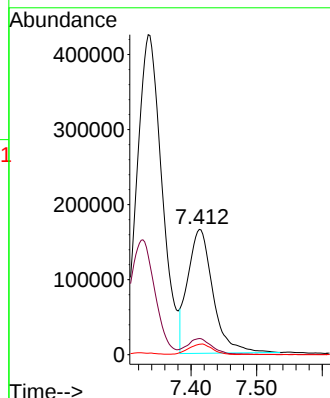
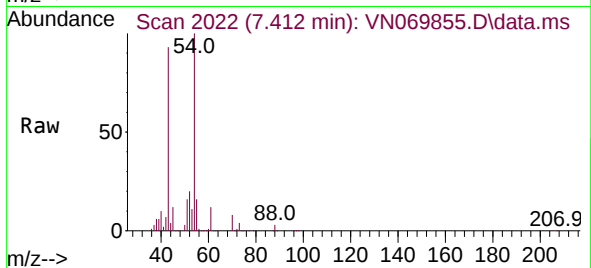
Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.5	17.3
70	7.8	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#38

Carbon Tetrachloride

Concen: 19.790 ug/l

RT: 8.206 min Scan# 2318

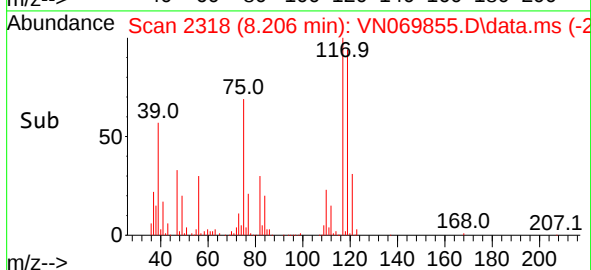
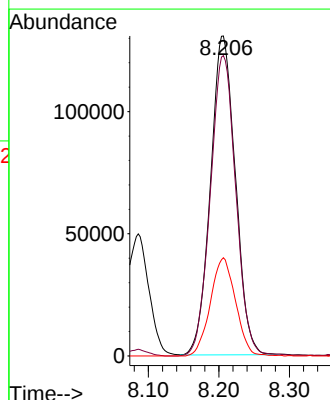
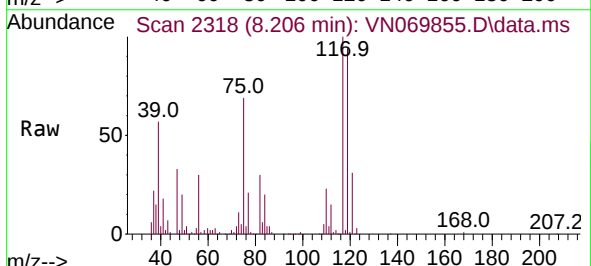
Delta R.T. 0.000 min

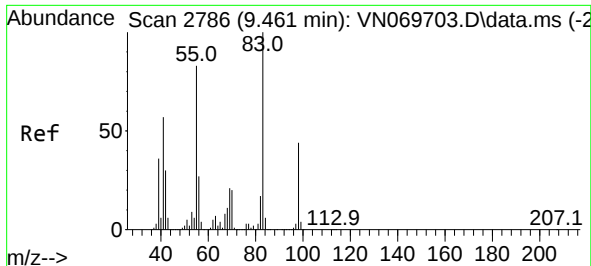
Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Tgt Ion:117 Resp: 320075

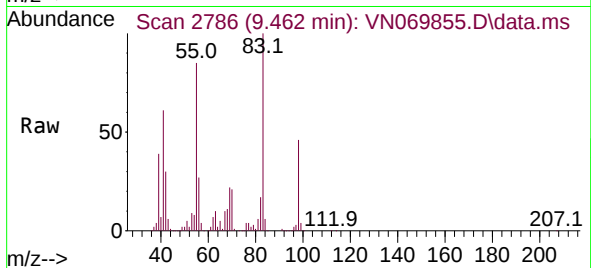
Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.1	114.1
121	30.8	24.2	36.2





#39
Methylcyclohexane
Concen: 20.009 ug/l
RT: 9.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

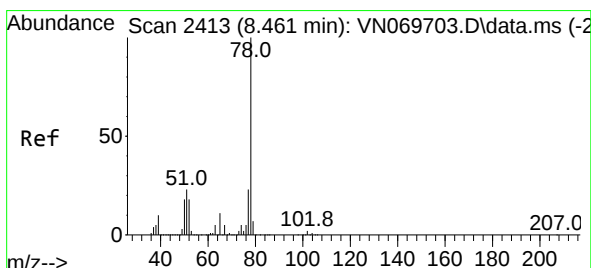
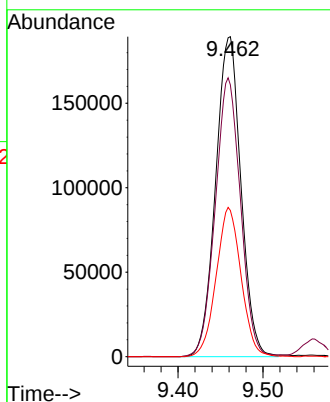
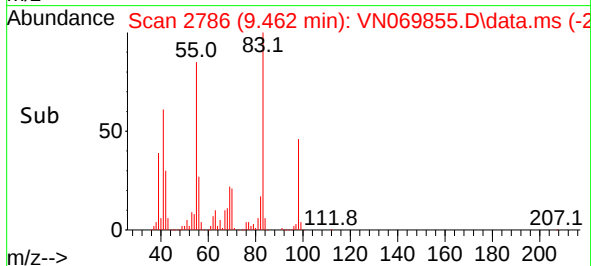
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



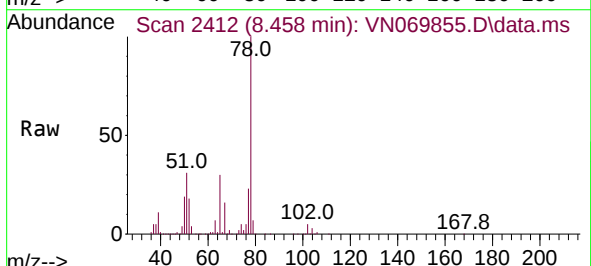
Tgt Ion: 83 Resp: 39253
Ion Ratio Lower Upper
83 100
55 84.9 58.1 87.1
98 45.7 38.4 57.6

Manual Integrations
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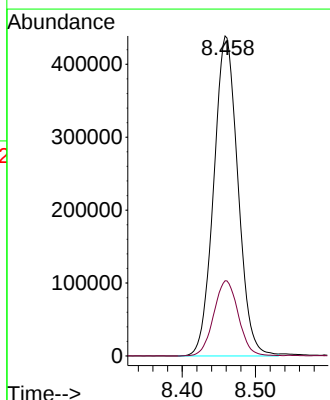
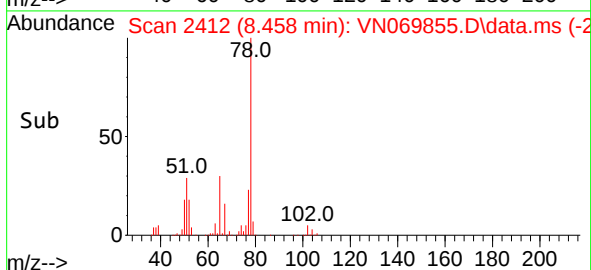
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

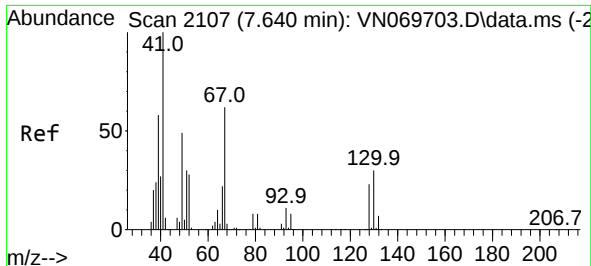


#40
Benzene
Concen: 19.971 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



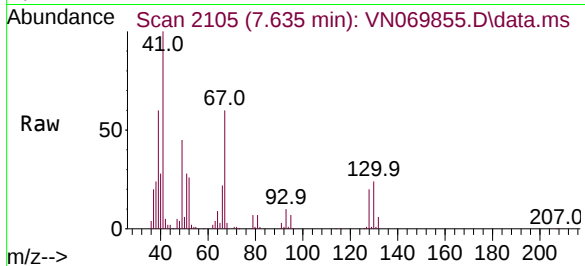
Tgt Ion: 78 Resp: 1006800
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41
Methacrylonitrile
Concen: 19.503 ug/l
RT: 7.635 min Scan# 2105
Delta R.T. -0.005 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

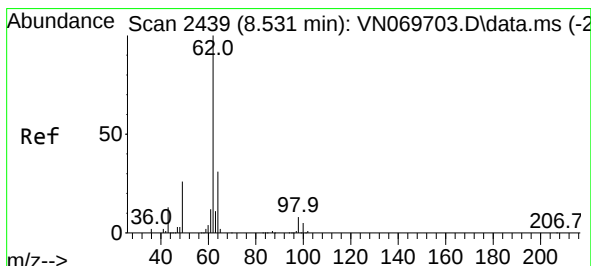
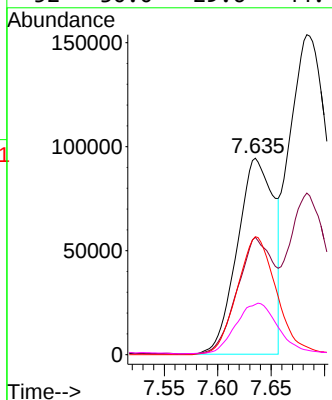
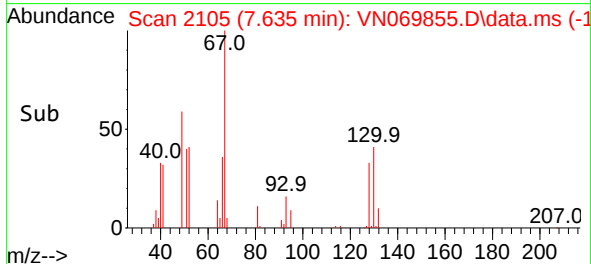
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion: 41 Resp: 224744
Ion Ratio Lower Upper
41 100
39 58.7 48.1 72.1
67 65.2 68.3 102.5
52 30.0 29.6 44.4

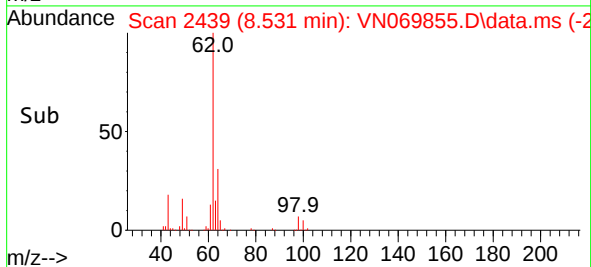
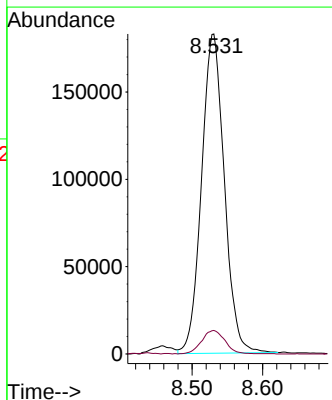
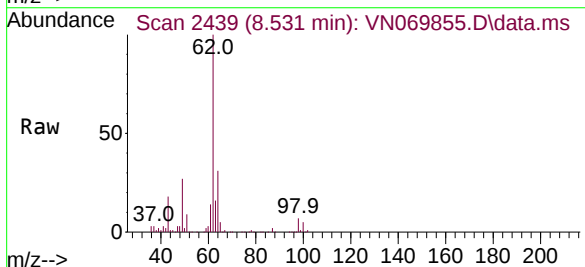
Manual Integrations
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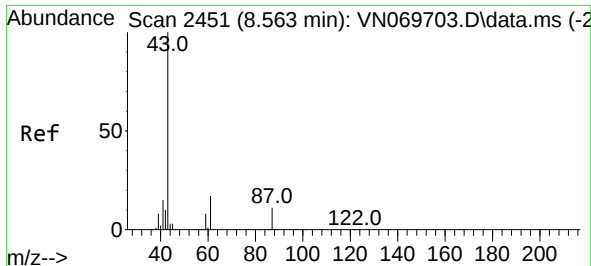
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#42
1,2-Dichloroethane
Concen: 20.164 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion: 62 Resp: 410342
Ion Ratio Lower Upper
62 100
98 7.6 0.0 17.6





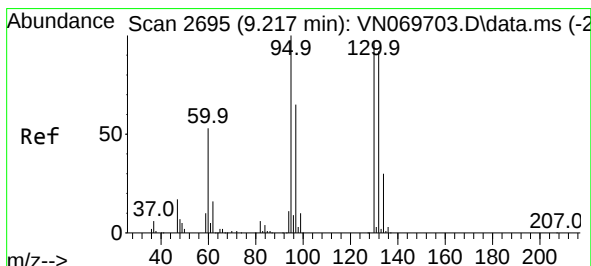
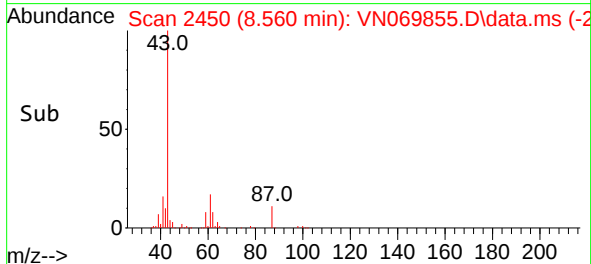
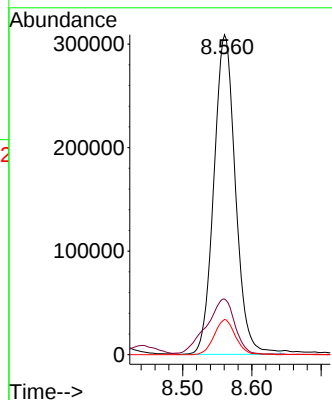
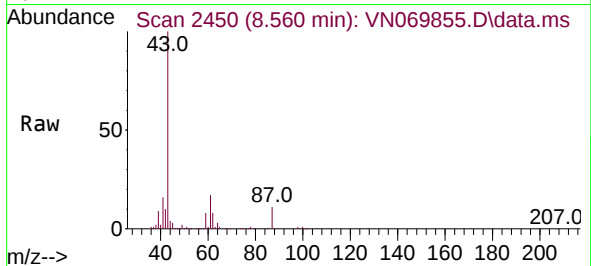
#43
Isopropyl Acetate
Concen: 18.406 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion: 43 Resp: 66862
Ion Ratio Lower Upper
43 100
61 22.7 20.4 30.6
87 10.9 11.2 16.8

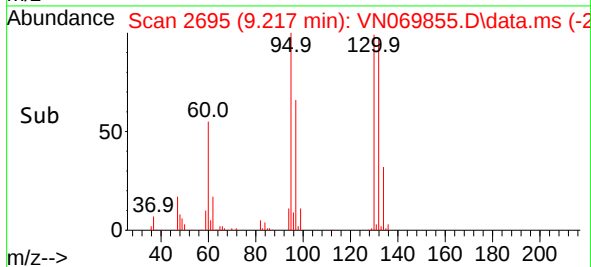
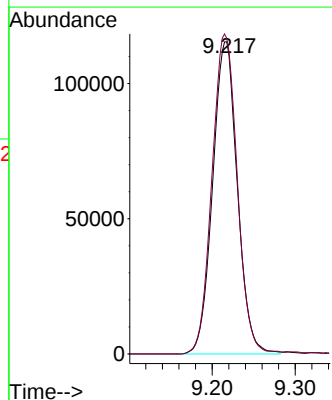
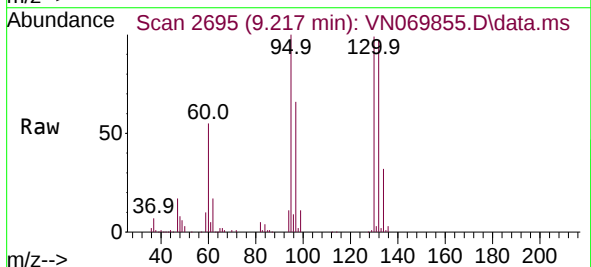
Manual Integrations
APPROVED

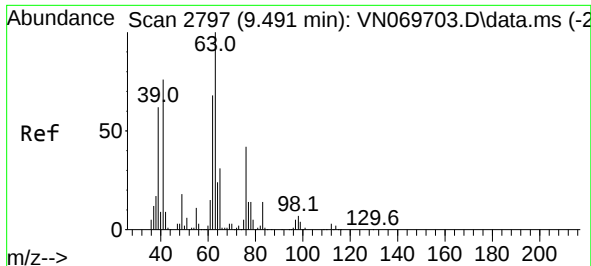
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#44
Trichloroethene
Concen: 19.820 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion:130 Resp: 238490
Ion Ratio Lower Upper
130 100
95 101.1 0.0 191.2





#45

1,2-Dichloropropane

Concen: 20.343 ug/l

RT: 9.488 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 63 Resp: 275399

Ion Ratio Lower Upper

63 100

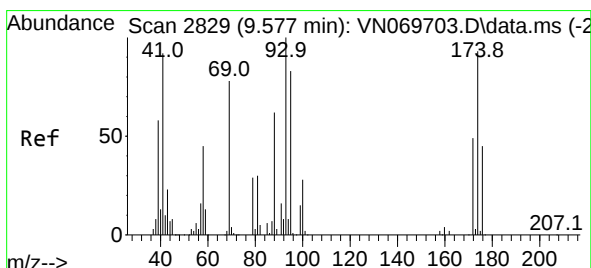
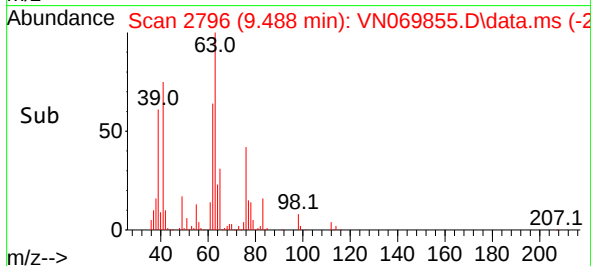
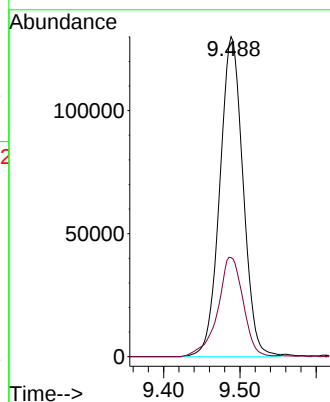
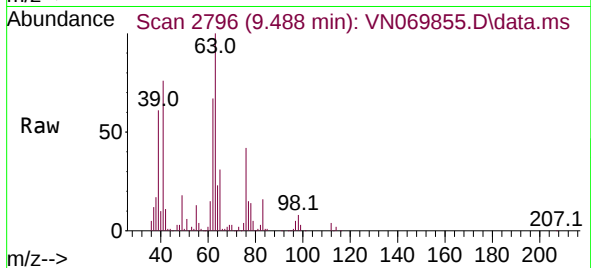
65 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#46

Dibromomethane

Concen: 19.923 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

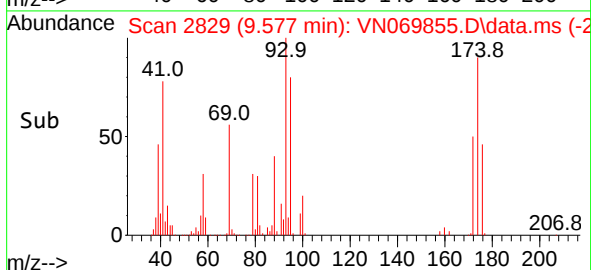
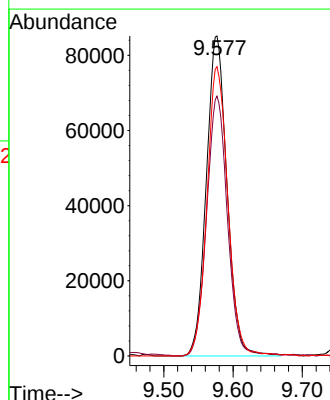
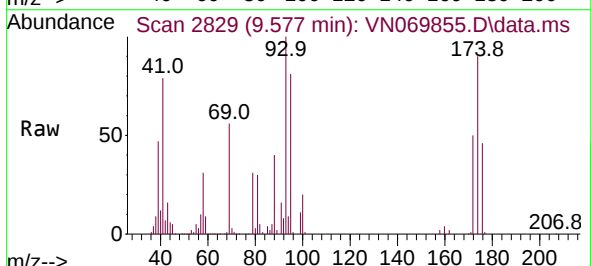
Tgt Ion: 93 Resp: 176882

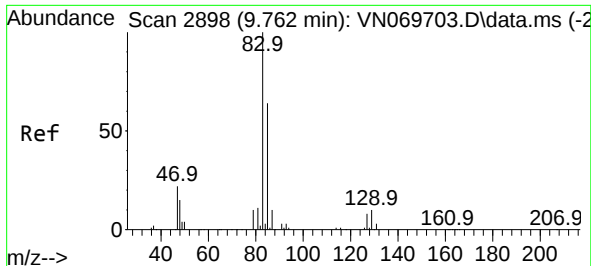
Ion Ratio Lower Upper

93 100

95 81.6 65.9 98.9

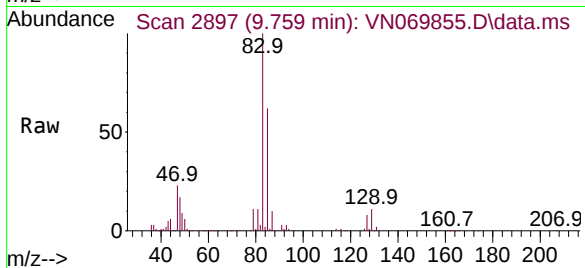
174 91.5 84.6 127.0





#47
Bromodichloromethane
Concen: 20.201 ug/l
RT: 9.759 min Scan# 2897
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

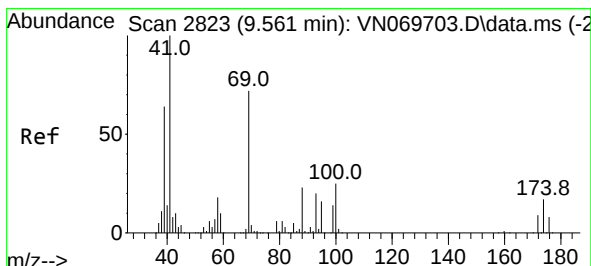
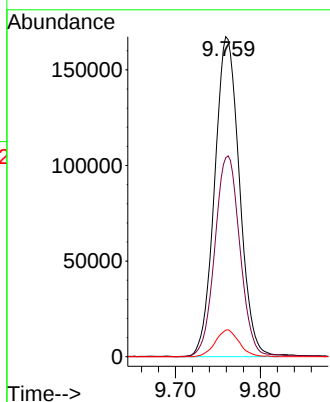
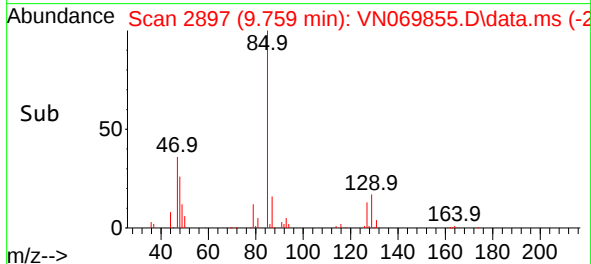
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion: 83 Resp: 33957
Ion Ratio Lower Upper
83 100
85 62.2 50.9 76.3
127 8.3 7.1 10.7

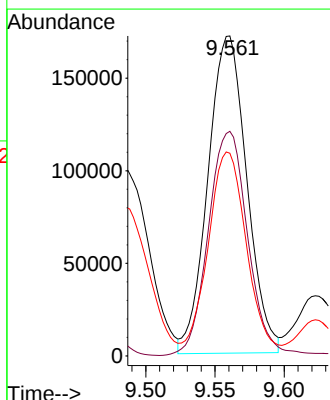
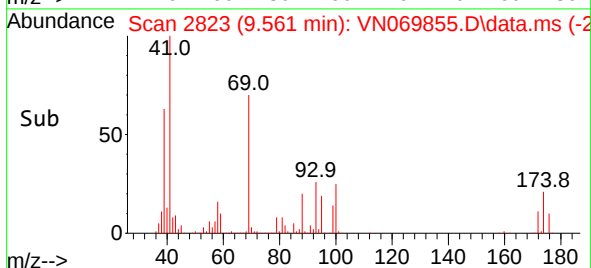
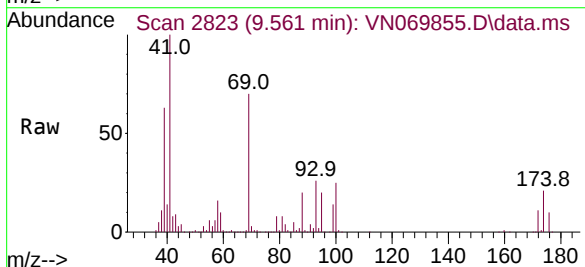
Manual Integrations
APPROVED

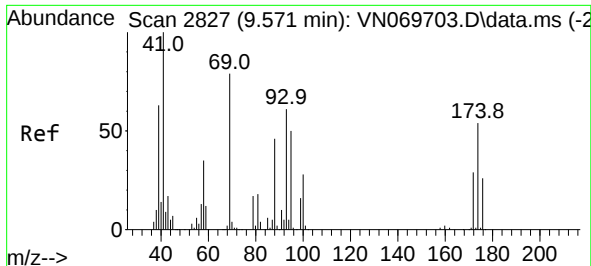
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#48
Methyl methacrylate
Concen: 19.749 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion: 41 Resp: 334807
Ion Ratio Lower Upper
41 100
69 72.1 72.4 108.6#
39 57.7 58.4 87.6#





#49

1,4-Dioxane

Concen: 297.864 ug/l

RT: 9.566 min Scan# 2825

Delta R.T. -0.005 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

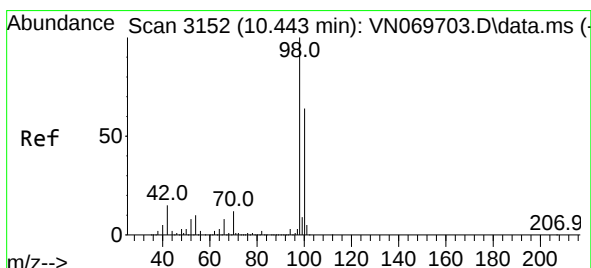
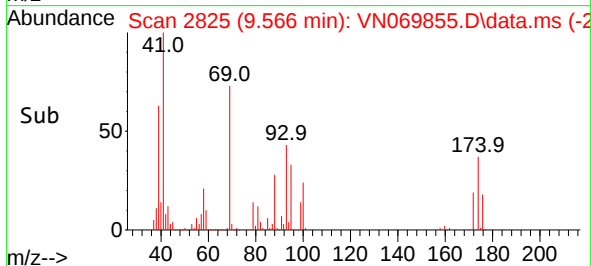
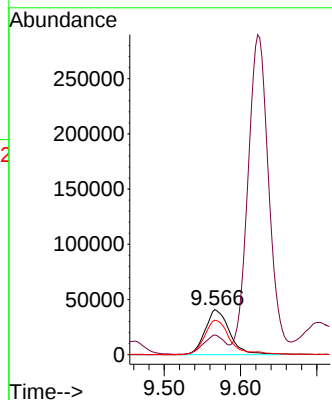
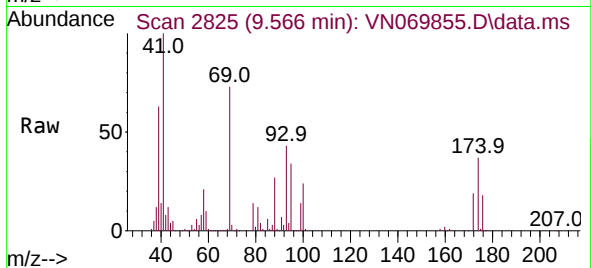
ClientSampleId :

VN1208WBS01

Tgt Ion: 88 Resp: 90600
 Ion Ratio Lower Upper
 88 100
 43 36.7 23.4 35.2
 58 74.7 50.6 75.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2021
 Supervised By :Mahesh Dadoda 12/15/2021



#50

Toluene-d8

Concen: 51.674 ug/l

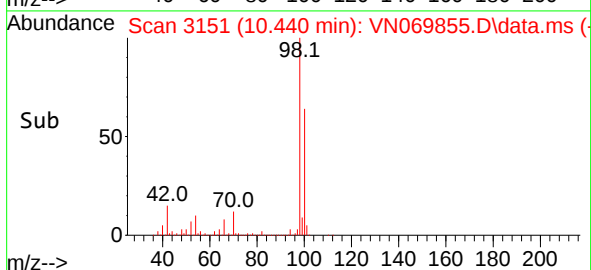
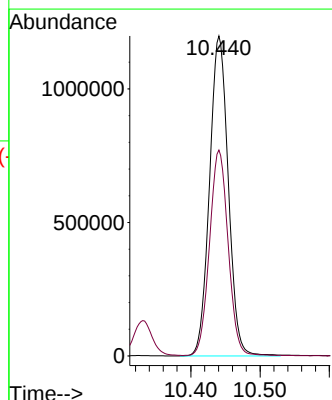
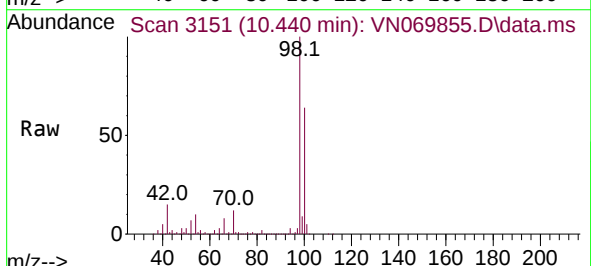
RT: 10.440 min Scan# 3151

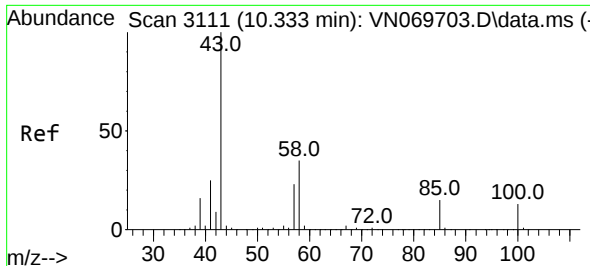
Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Tgt Ion: 98 Resp: 2251690
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.4 75.6





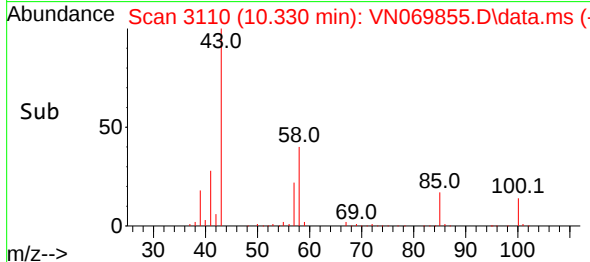
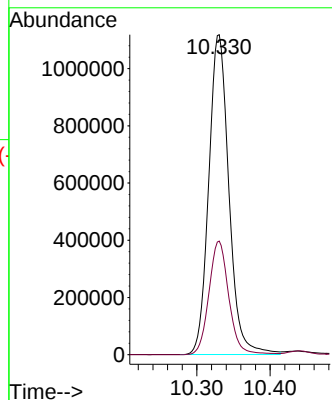
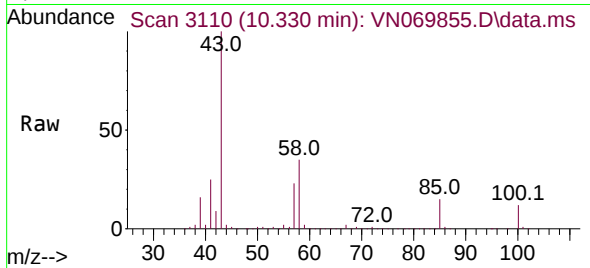
#51
4-Methyl-2-Pentanone
Concen: 90.861 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion: 43 Resp: 214124
Ion Ratio Lower Upper
43 100
58 35.0 30.4 45.6

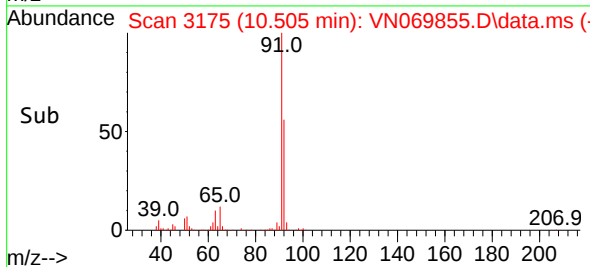
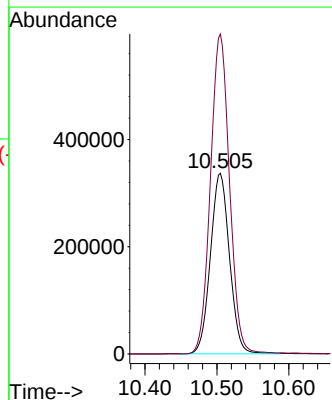
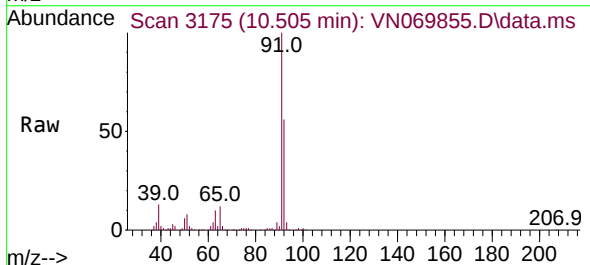
Manual Integrations
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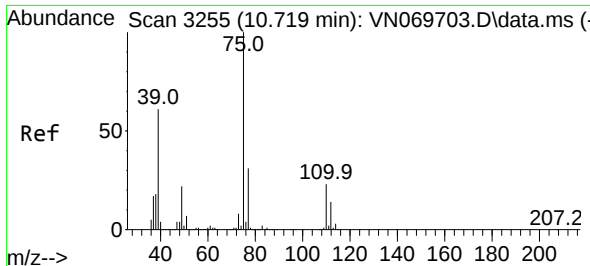
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#52
Toluene
Concen: 20.184 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

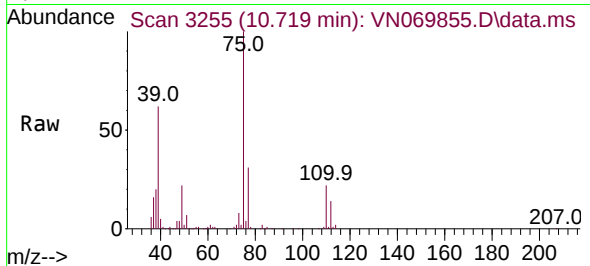
Tgt Ion: 92 Resp: 621233
Ion Ratio Lower Upper
92 100
91 176.9 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 18.887 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

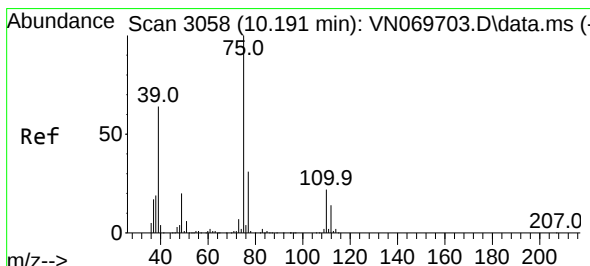
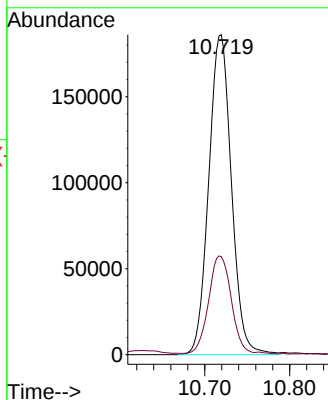
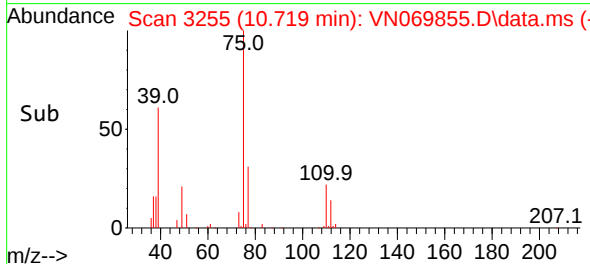
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



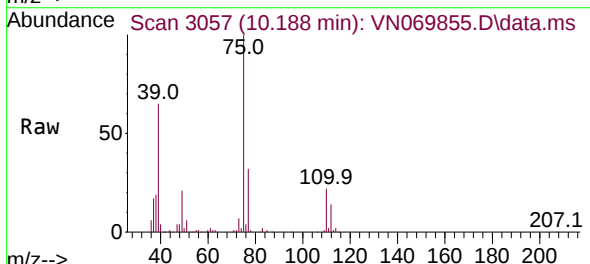
Tgt Ion: 75 Resp: 344682
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4

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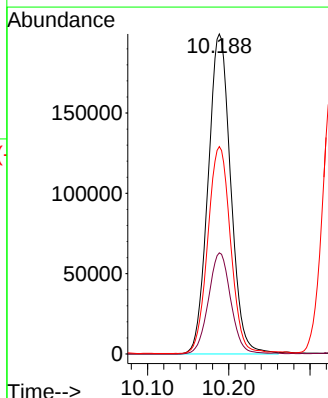
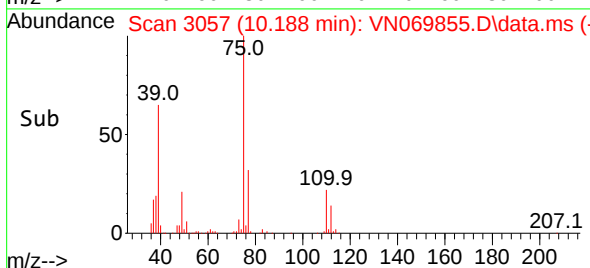
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

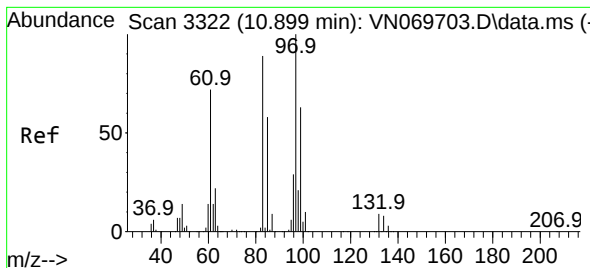


#54
cis-1,3-Dichloropropene
Concen: 19.399 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



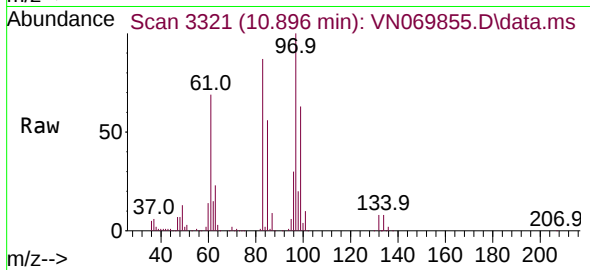
Tgt Ion: 75 Resp: 384642
Ion Ratio Lower Upper
75 100
77 31.6 26.4 39.6
39 64.6 42.5 63.7#





#55
1,1,2-Trichloroethane
Concen: 19.897 ug/l
RT: 10.896 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

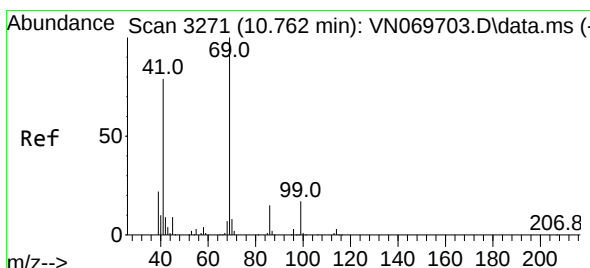
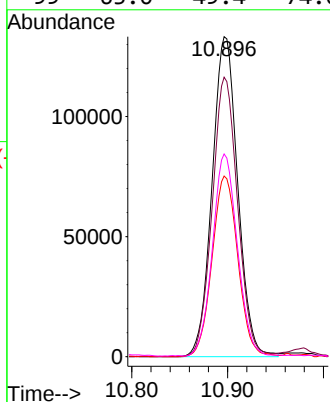
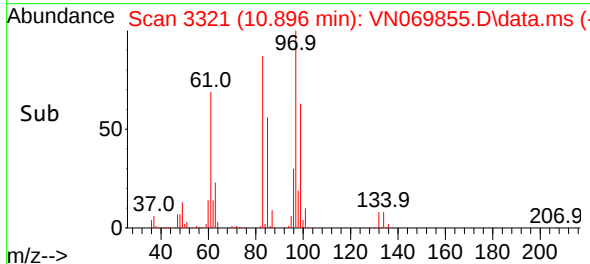
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



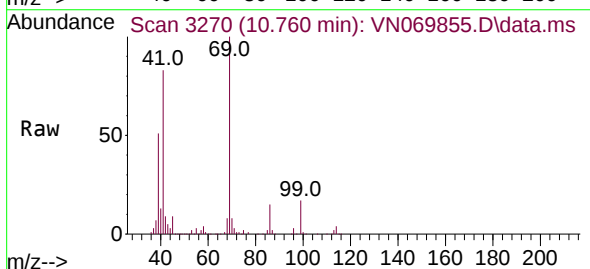
Tgt Ion: 97 Resp: 247090
Ion Ratio Lower Upper
97 100
83 87.3 67.8 101.6
85 56.4 45.4 68.2
99 63.0 49.4 74.0

Manual Integrations
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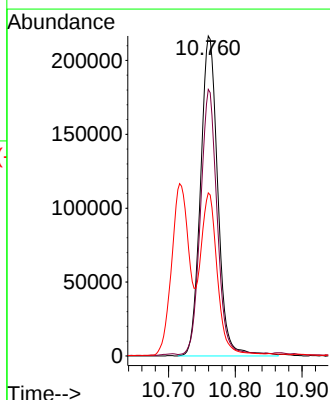
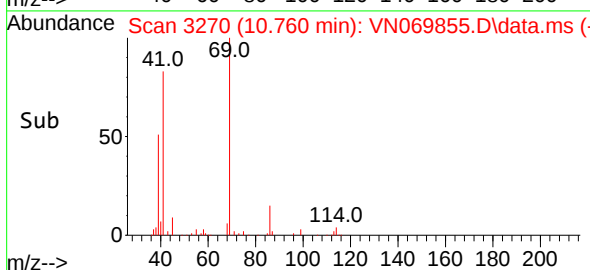
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#56
Ethyl methacrylate
Concen: 18.168 ug/l
RT: 10.760 min Scan# 3270
Delta R.T. -0.002 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



Tgt Ion: 69 Resp: 390068
Ion Ratio Lower Upper
69 100
41 79.4 51.4 77.0#
39 47.4 34.6 52.0





#57

1,3-Dichloropropane

Concen: 19.814 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion: 76 Resp: 433258

Ion Ratio Lower Upper

76 100

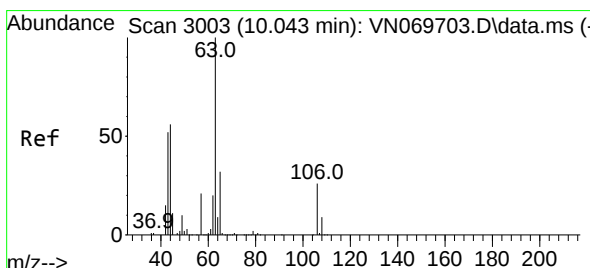
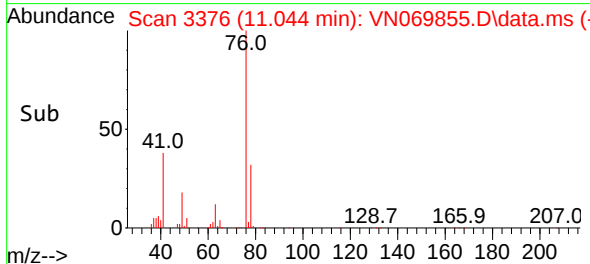
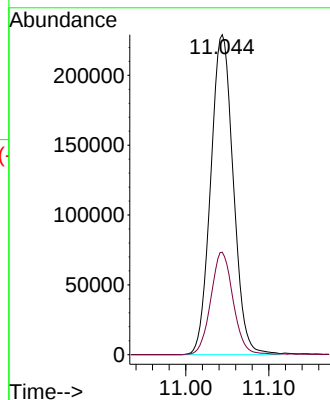
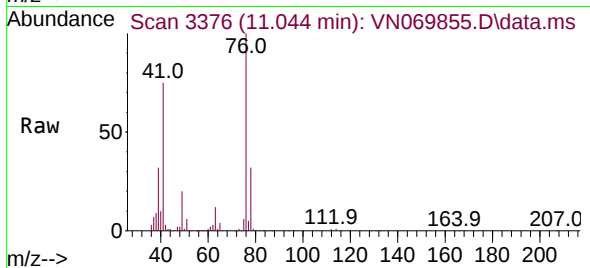
78 31.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#58

2-Chloroethyl Vinyl ether

Concen: 77.146 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.002 min

Lab File: VN069855.D

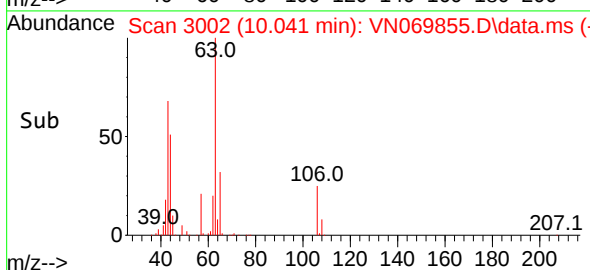
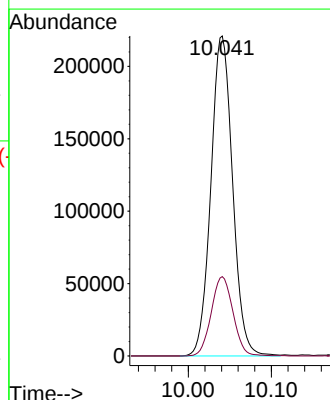
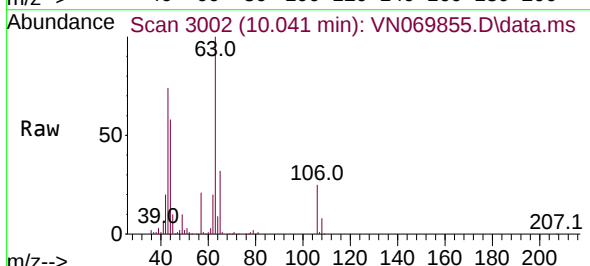
Acq: 8 Dec 2021 12:35

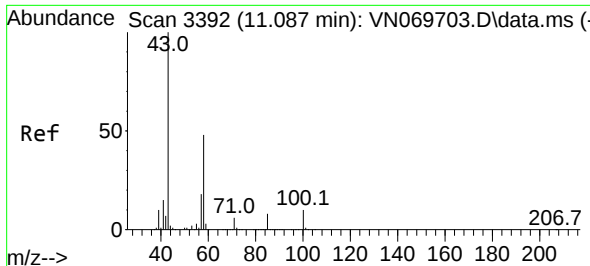
Tgt Ion: 63 Resp: 401306

Ion Ratio Lower Upper

63 100

106 24.8 23.9 35.9





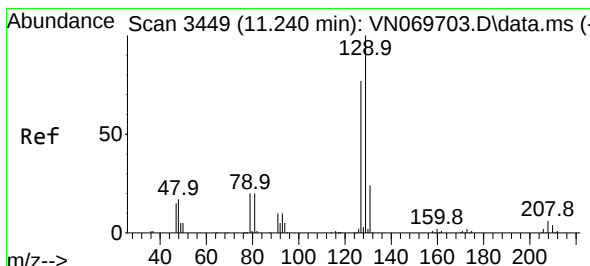
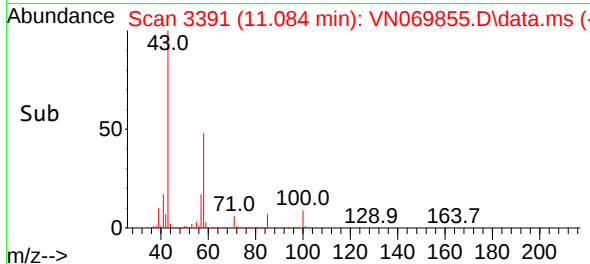
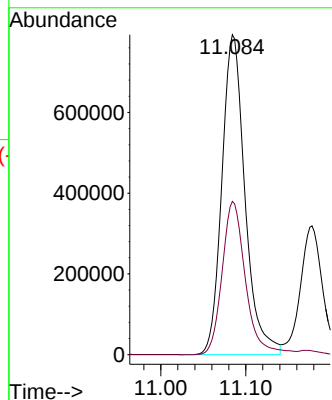
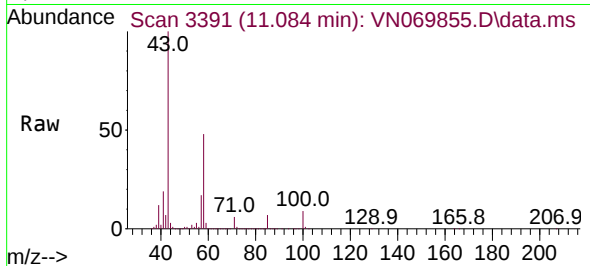
#59
2-Hexanone
Concen: 83.885 ug/l
RT: 11.084 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion: 43 Resp: 1495420
Ion Ratio Lower Upper
43 100
58 48.6 26.9 80.7

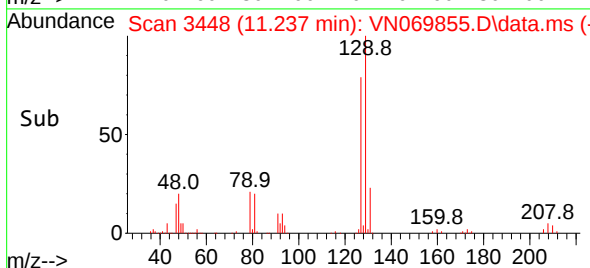
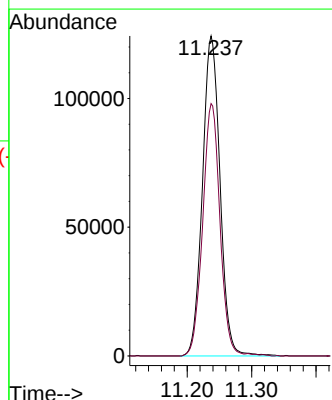
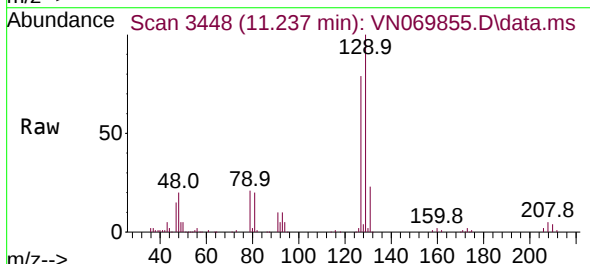
Manual Integrations
APPROVED

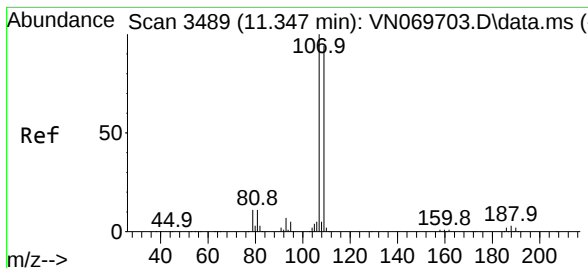
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#60
Dibromochloromethane
Concen: 19.237 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

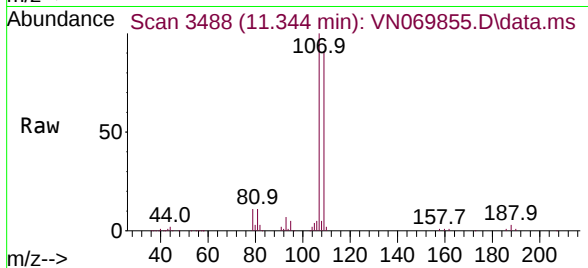
Tgt Ion:129 Resp: 235537
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61
1,2-Dibromoethane
Concen: 19.054 ug/l
RT: 11.344 min Scan# 3488
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

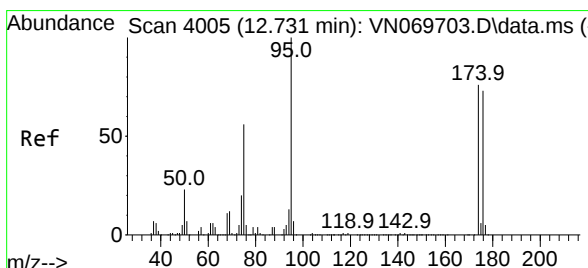
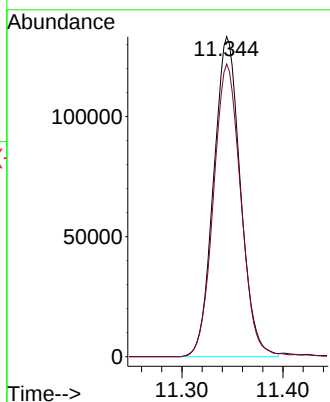
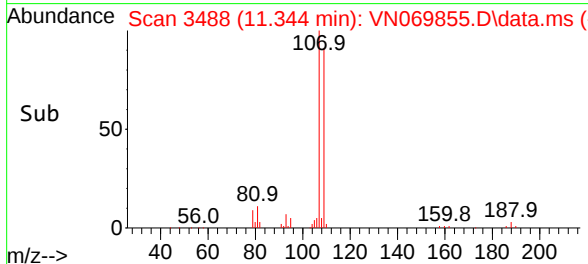
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



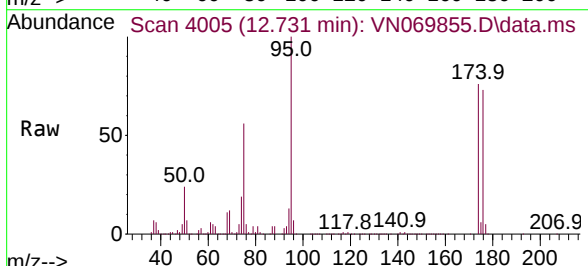
Tgt Ion:107 Resp: 245075
Ion Ratio Lower Upper
107 100
109 94.0 75.7 113.5

Manual Integrations
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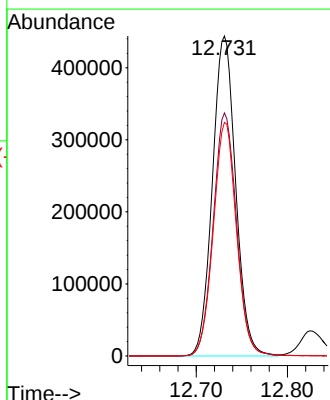
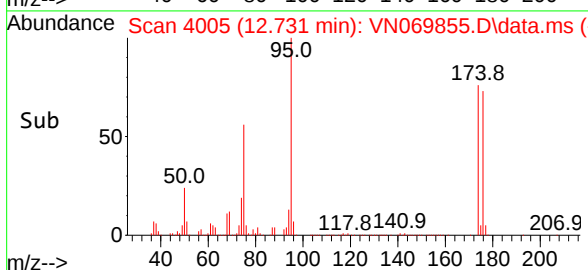
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

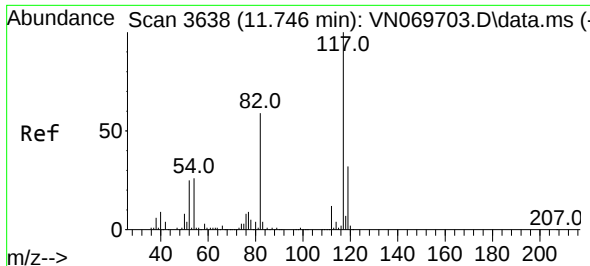


#62
4-Bromofluorobenzene
Concen: 49.798 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



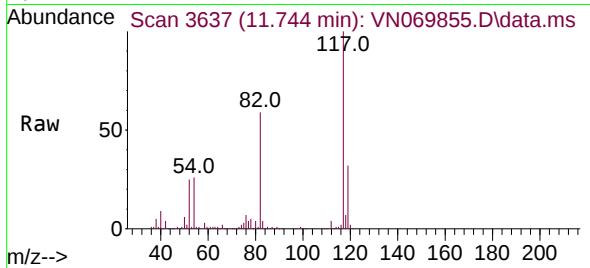
Tgt Ion: 95 Resp: 786120
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 72.9 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

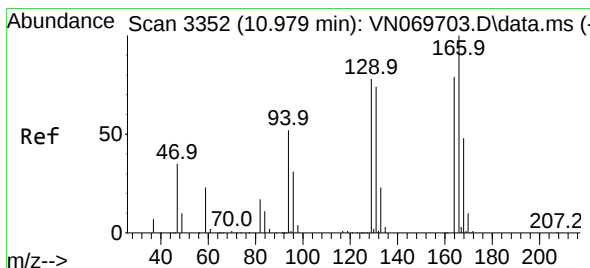
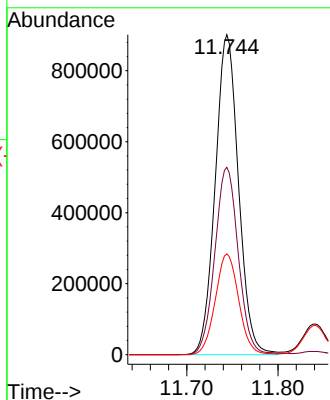
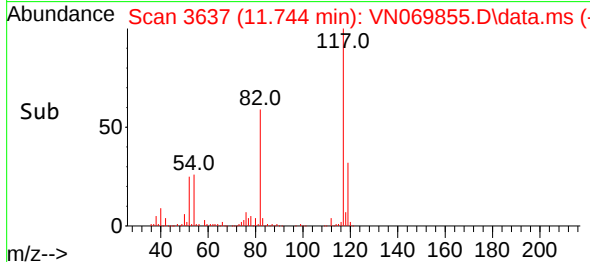
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion:117 Resp: 1600824
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 31.5 25.4 38.2

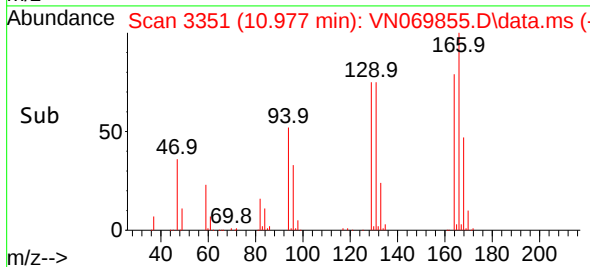
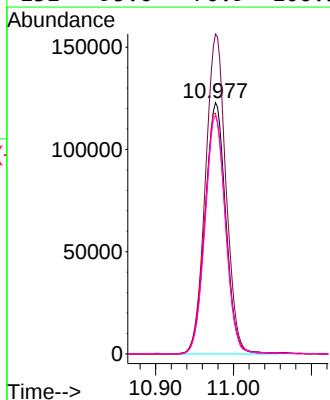
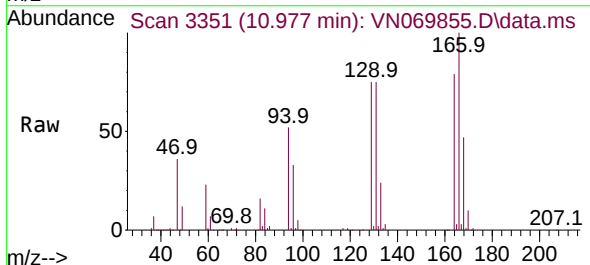
Manual Integrations
APPROVED

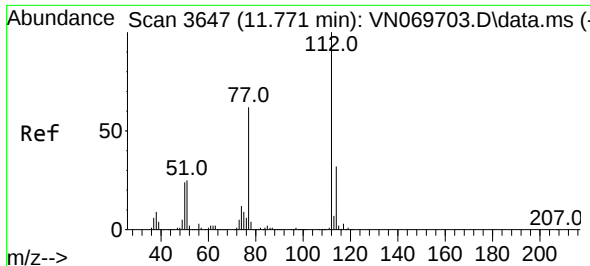
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#64
Tetrachloroethene
Concen: 20.880 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion:164 Resp: 226642
Ion Ratio Lower Upper
164 100
166 127.3 101.9 152.9
129 95.7 72.0 108.0
131 95.0 70.9 106.3





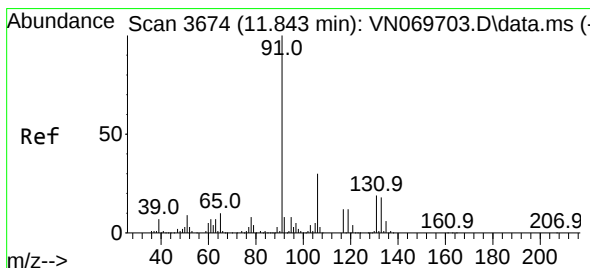
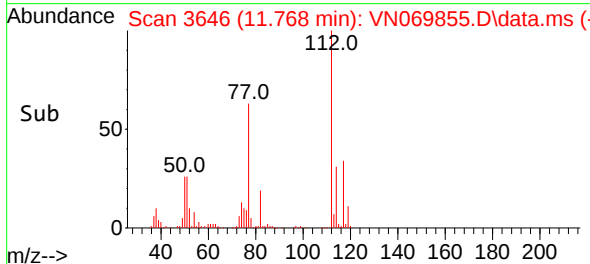
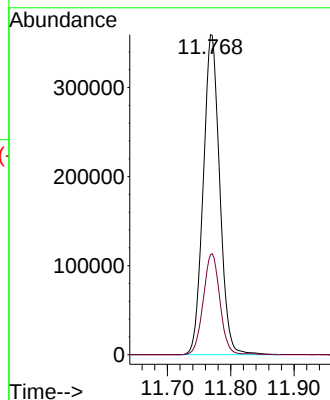
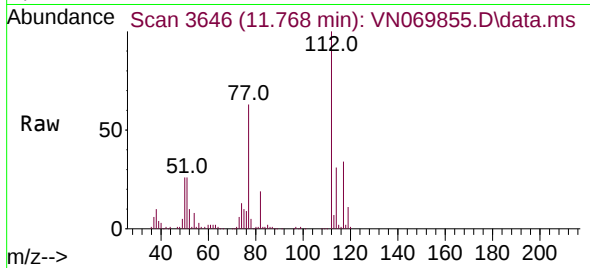
#65
Chlorobenzene
Concen: 19.964 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion:112 Resp: 648340
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0

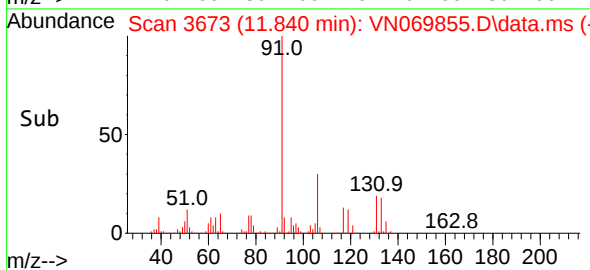
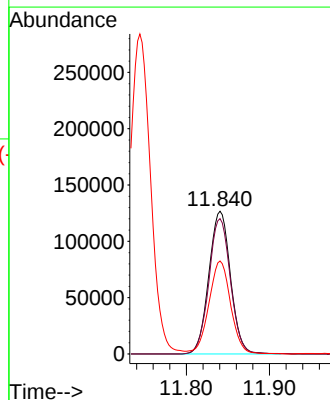
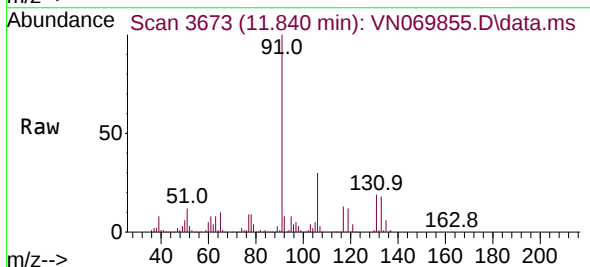
Manual Integrations
APPROVED

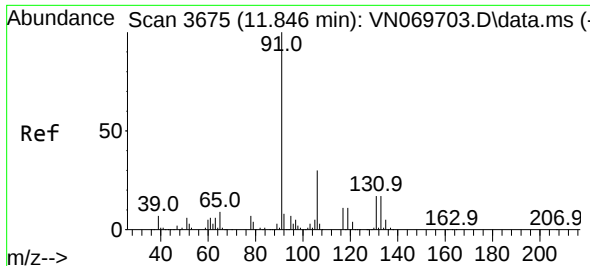
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 20.064 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

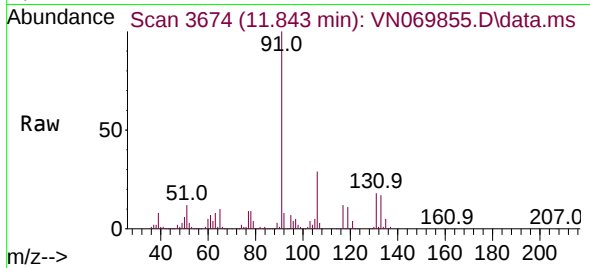
Tgt Ion:131 Resp: 229339
Ion Ratio Lower Upper
131 100
133 94.6 47.9 143.7
119 64.5 32.1 96.5





#67
Ethyl Benzene
Concen: 20.341 ug/l
RT: 11.843 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

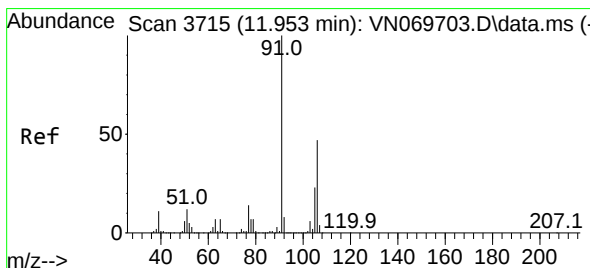
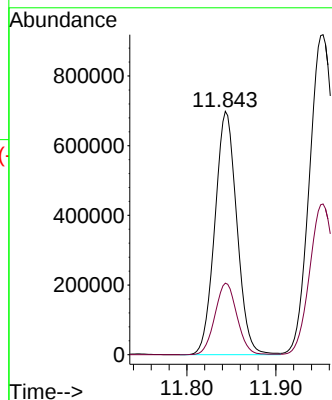
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion: 91 Resp: 1199939
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5

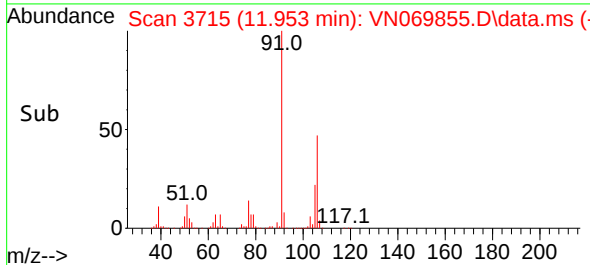
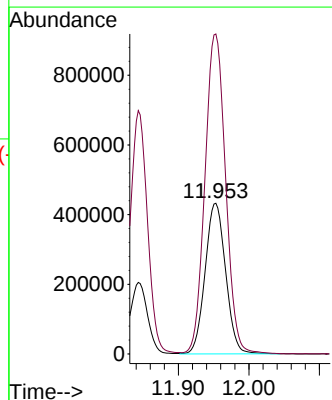
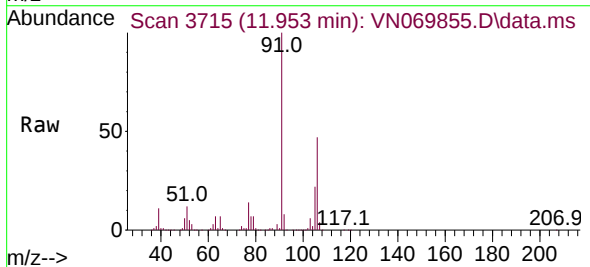
Manual Integrations
APPROVED

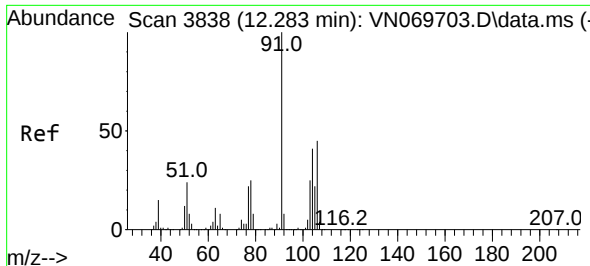
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#68
m/p-Xylenes
Concen: 40.598 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion:106 Resp: 872013
Ion Ratio Lower Upper
106 100
91 214.4 160.6 240.8





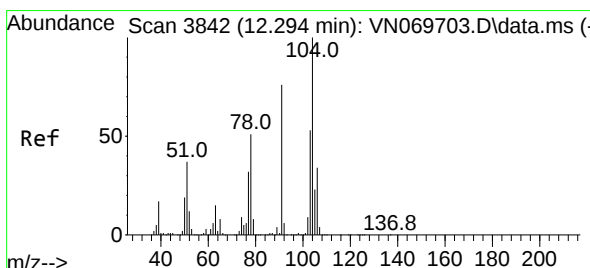
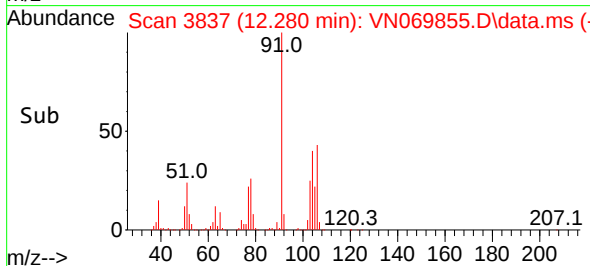
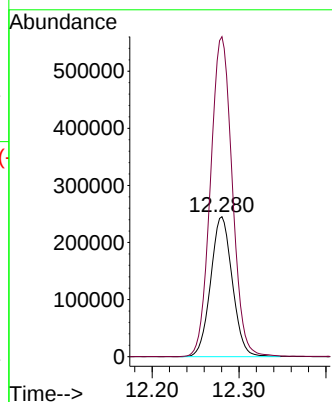
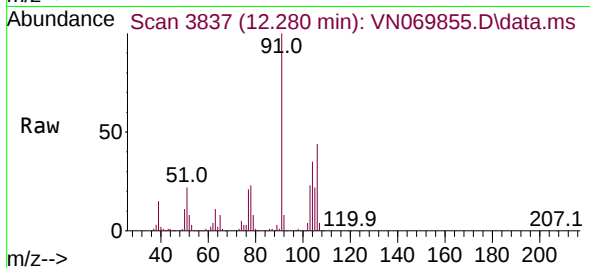
#69
o-Xylene
Concen: 19.623 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion:106 Resp: 424562
Ion Ratio Lower Upper
106 100
91 230.2 105.8 317.3

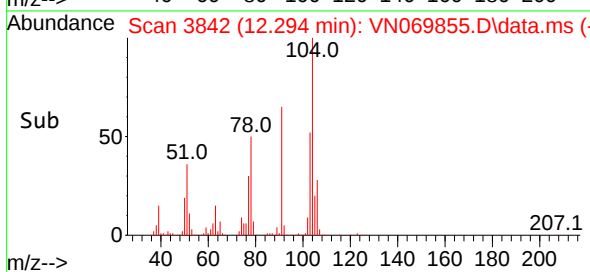
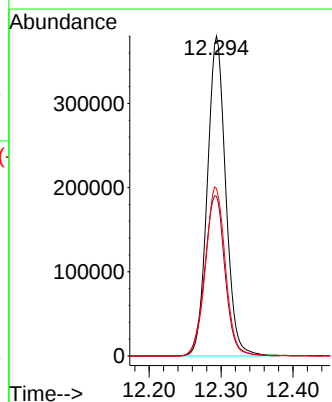
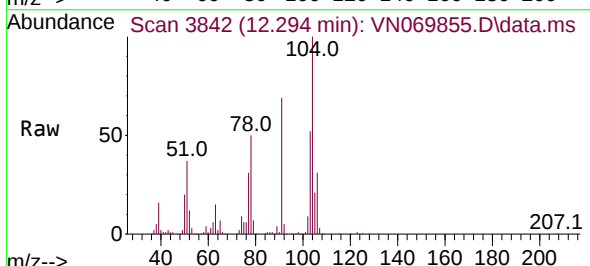
Manual Integrations
APPROVED

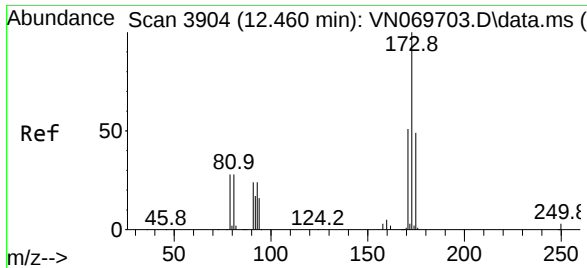
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#70
Styrene
Concen: 19.709 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

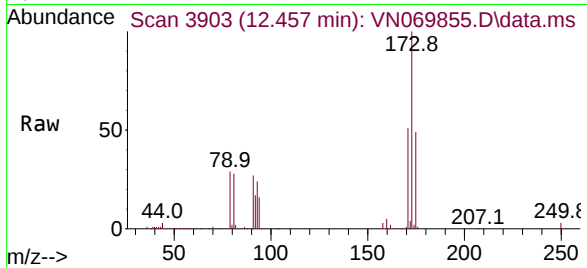
Tgt Ion:104 Resp: 676156
Ion Ratio Lower Upper
104 100
78 55.4 38.7 58.1
103 57.3 45.0 67.6





#71
Bromoform
Concen: 17.928 ug/l
RT: 12.457 min Scan# 3904
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

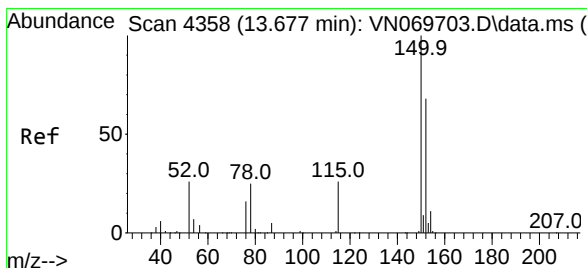
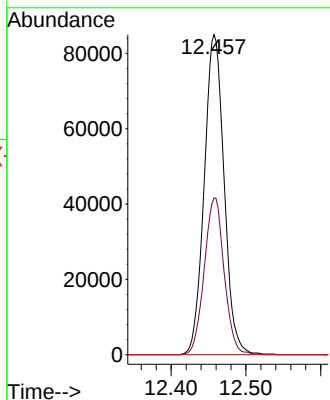
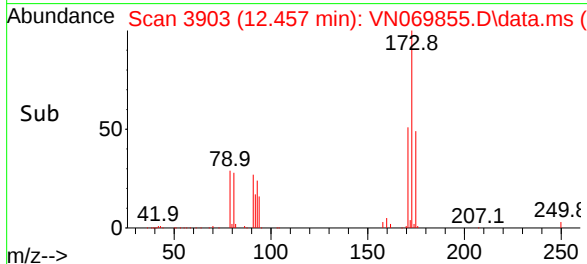
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



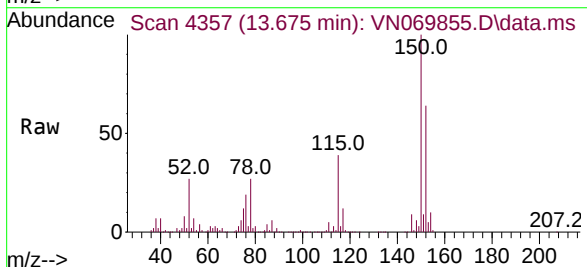
Tgt Ion:173 Resp: 157150
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

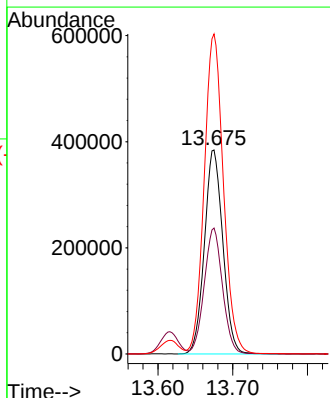
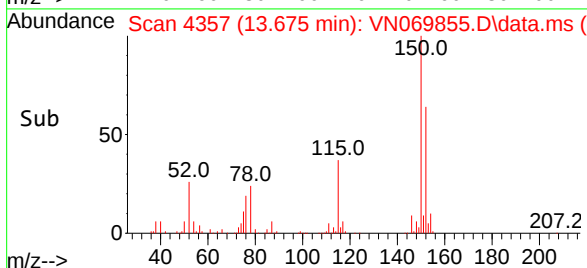
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

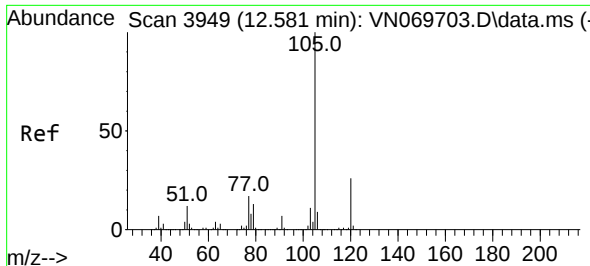


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



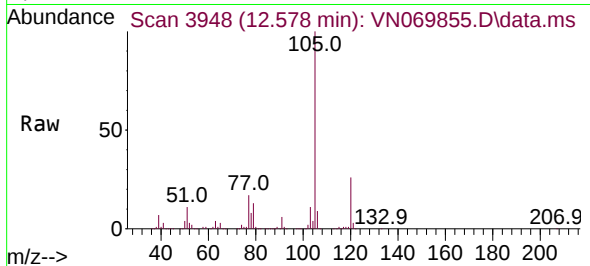
Tgt Ion:152 Resp: 659001
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 163.4 0.0 344.4





#73
Isopropylbenzene
Concen: 19.084 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

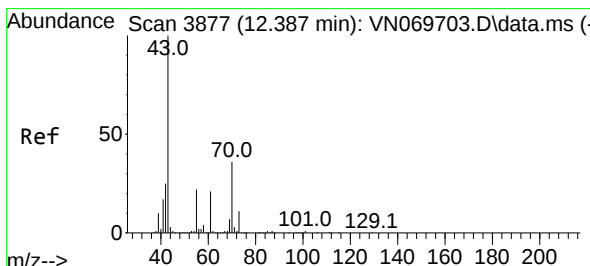
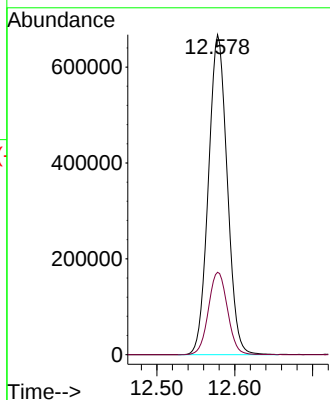
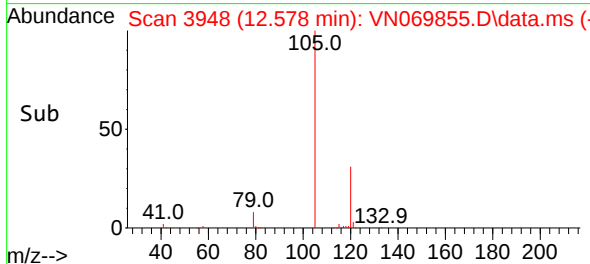
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



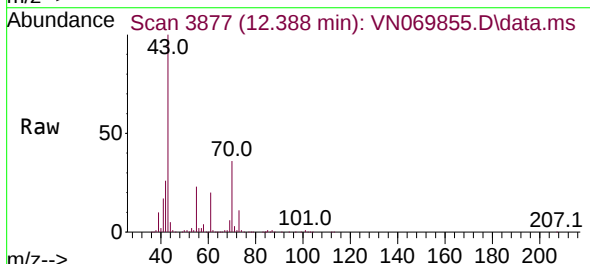
Tgt Ion:105 Resp: 111896
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1

Manual Integrations
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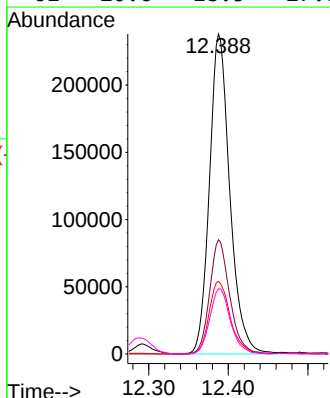
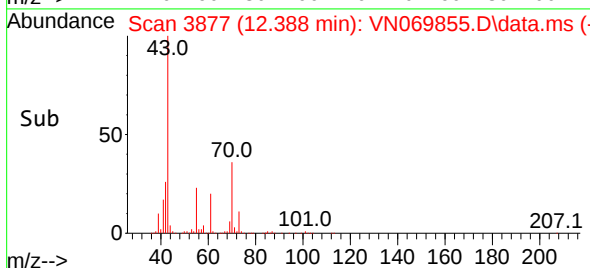
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

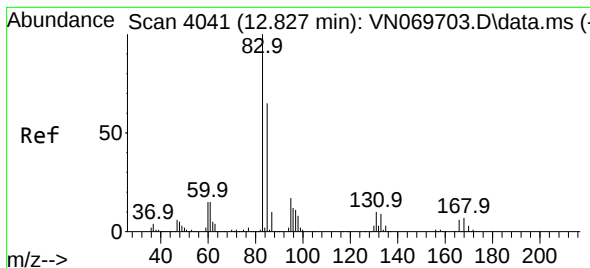


#74
N-ethyl acetate
Concen: 16.348 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



Tgt Ion: 43 Resp: 423891
Ion Ratio Lower Upper
43 100
70 35.2 33.4 50.0
55 23.6 19.3 28.9
61 20.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.517 ug/l

RT: 12.827 min Scan# 4041

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

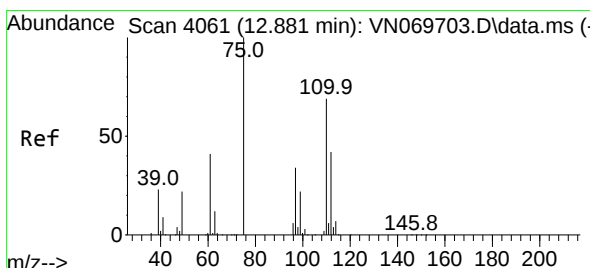
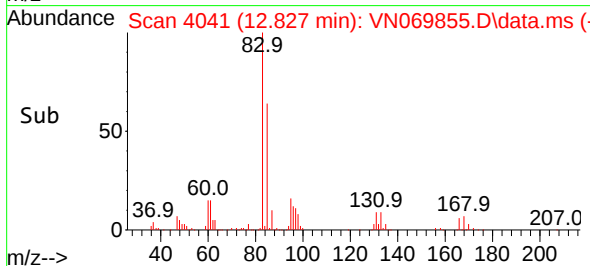
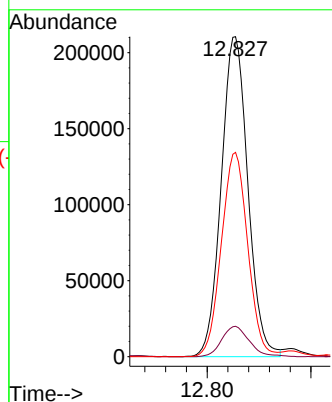
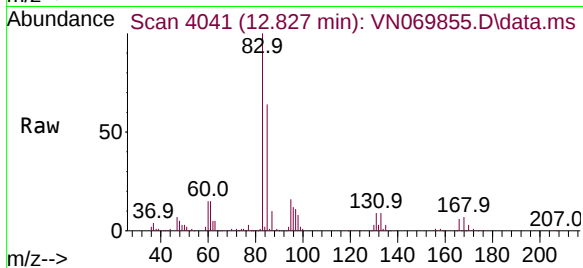
Tgt Ion: 83 Resp: 375429
 Ion Ratio Lower Upper
 83 100
 131 9.8 5.5 16.5
 85 63.2 32.4 97.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#76

1,2,3-Trichloropropane

Concen: 17.003 ug/l m

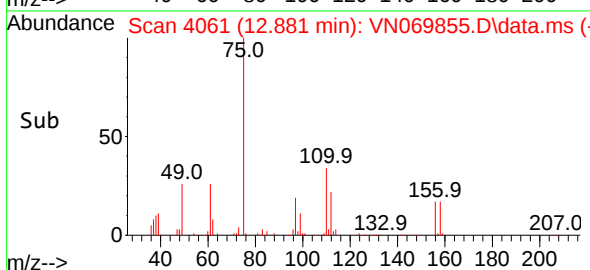
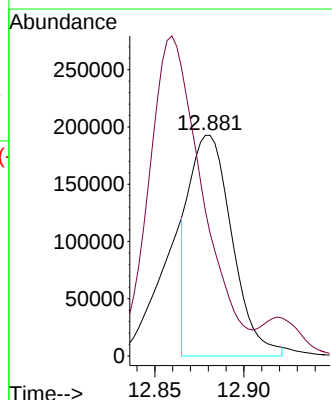
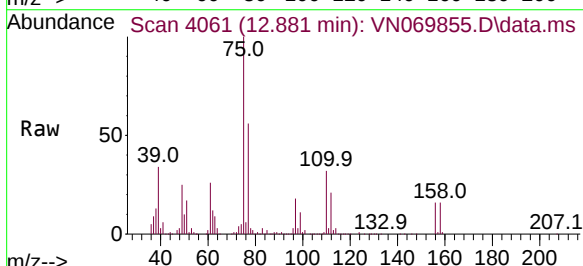
RT: 12.881 min Scan# 4061

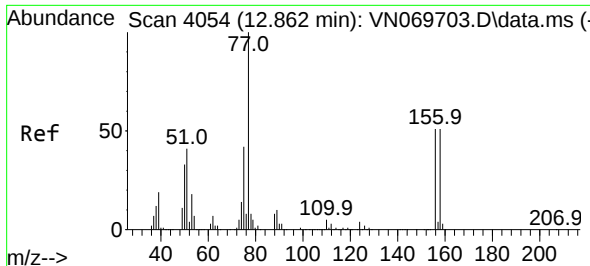
Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

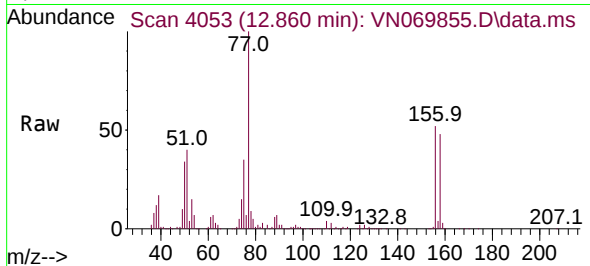
Tgt Ion: 75 Resp: 321327
 Ion Ratio Lower Upper
 75 100
 77 0.0 82.6 247.8#





#77
Bromobenzene
Concen: 18.919 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

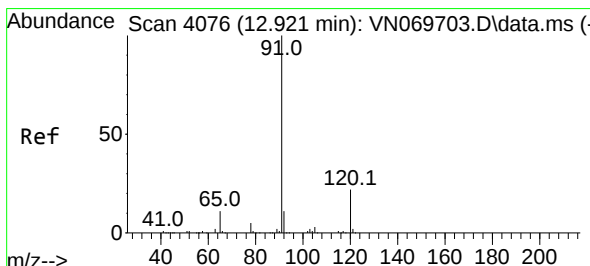
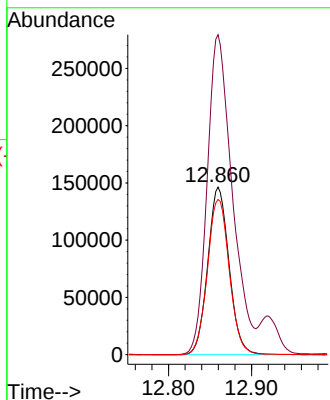
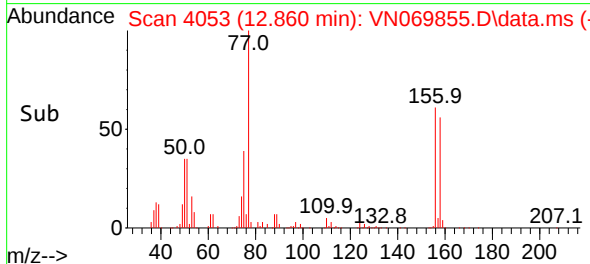
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion:156 Resp: 26055
Ion Ratio Lower Upper
156 100
77 224.4 90.6 271.8
158 95.5 48.9 146.7

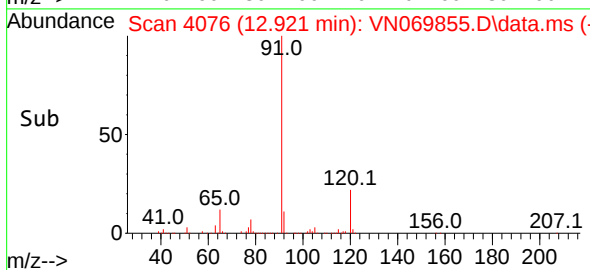
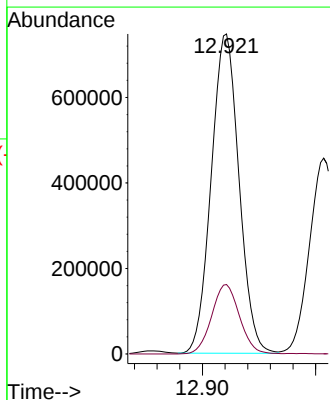
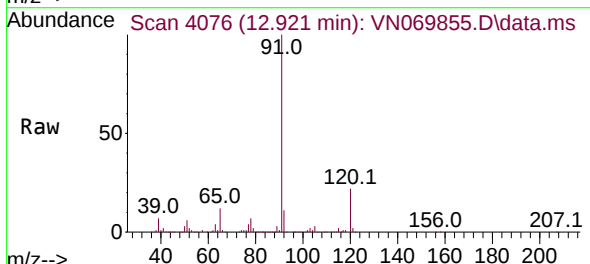
Manual Integrations
APPROVED

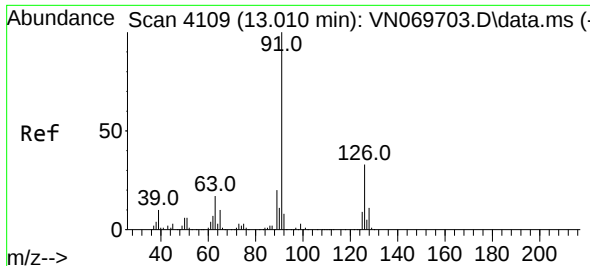
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#78
n-propylbenzene
Concen: 19.481 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion: 91 Resp: 1271058
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9





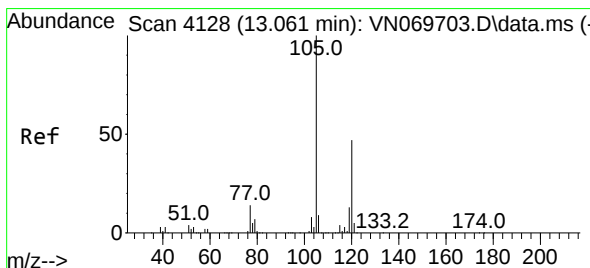
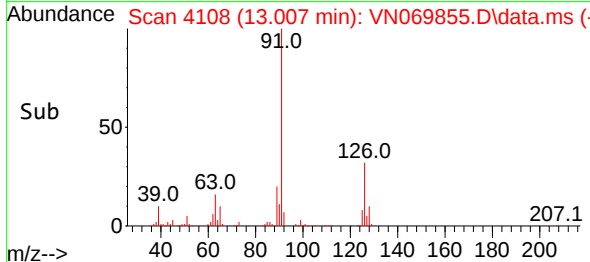
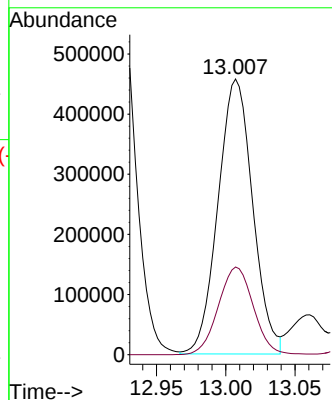
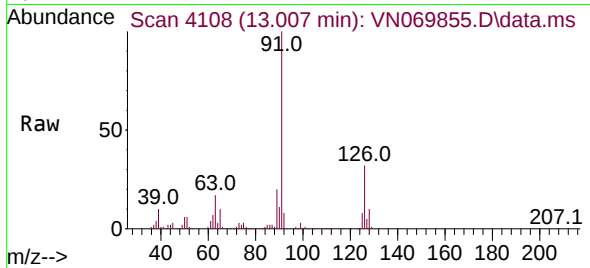
#79
2-Chlorotoluene
Concen: 19.325 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion: 91 Resp: 796708
Ion Ratio Lower Upper
91 100
126 32.2 18.3 54.8

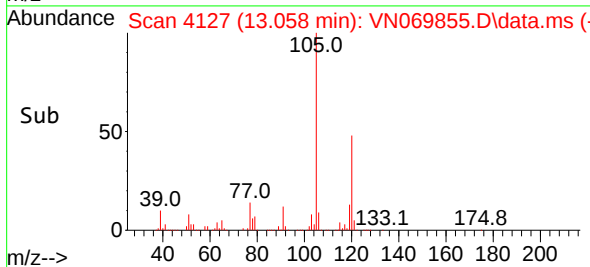
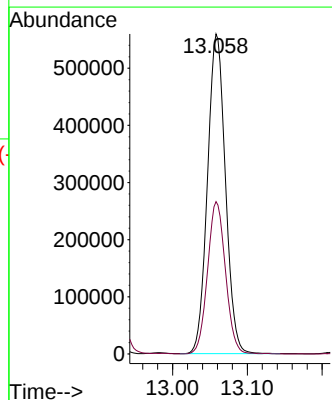
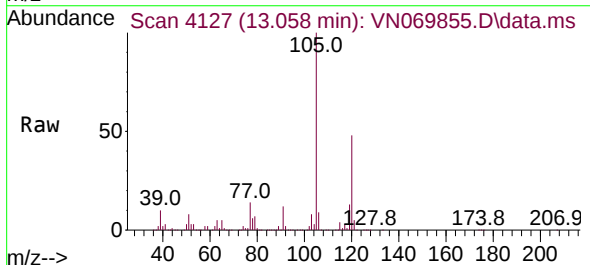
Manual Integrations
APPROVED

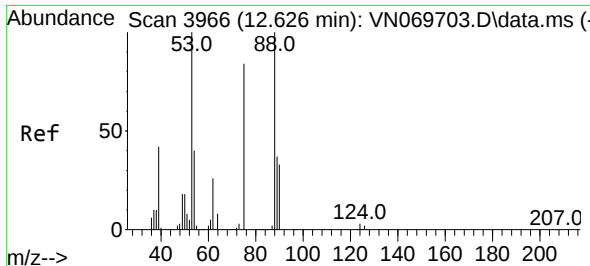
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#80
1,3,5-Trimethylbenzene
Concen: 19.734 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

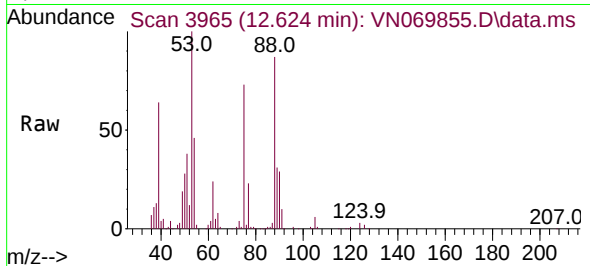
Tgt Ion:105 Resp: 931296
Ion Ratio Lower Upper
105 100
120 47.5 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 16.994 ug/l
RT: 12.624 min Scan# 3966
Delta R.T. -0.002 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

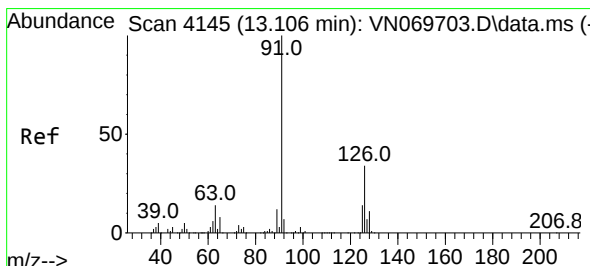
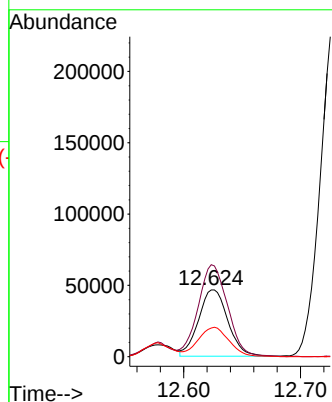
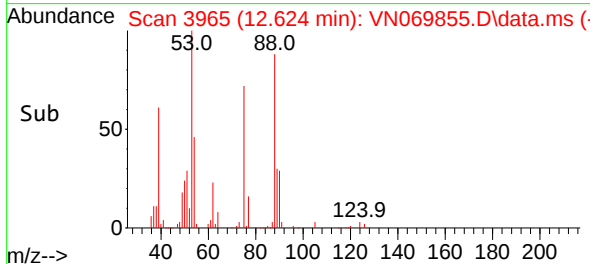
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



Tgt Ion: 75 Resp: 8128
Ion Ratio Lower Upper
75 100
53 139.8 90.5 135.7
89 46.6 38.2 57.4

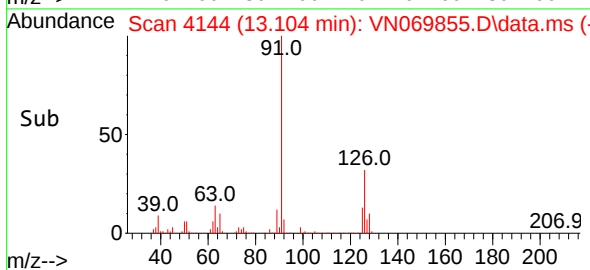
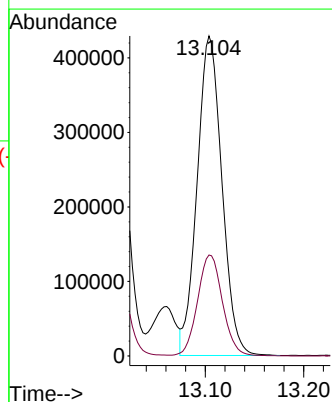
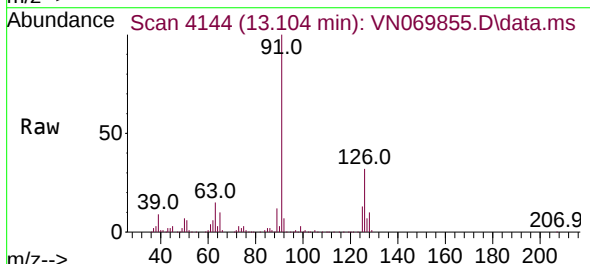
Manual Integrations
APPROVED

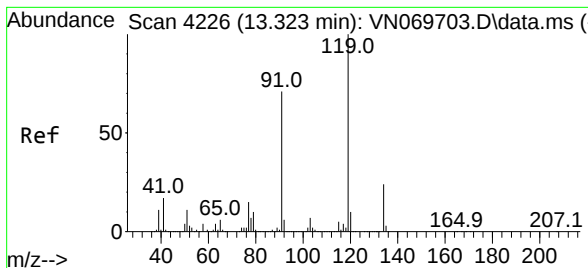
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#82
4-Chlorotoluene
Concen: 19.345 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion: 91 Resp: 750038
Ion Ratio Lower Upper
91 100
126 31.9 18.2 54.6





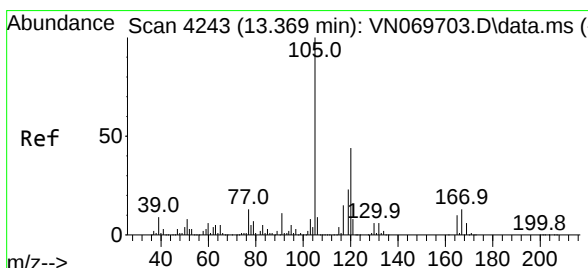
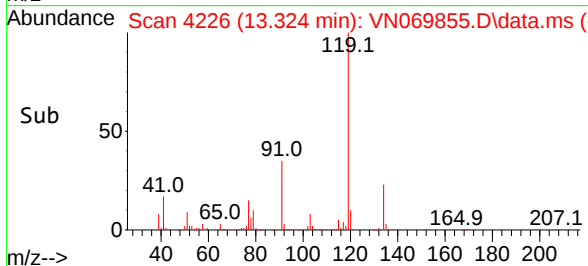
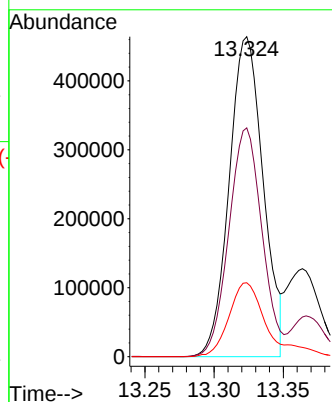
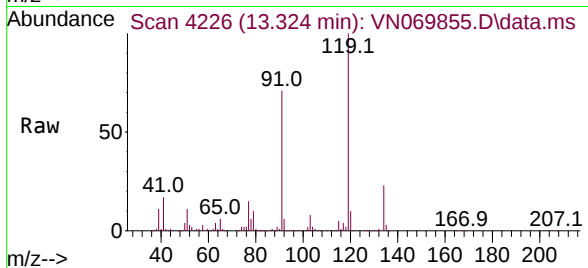
#83
tert-Butylbenzene
Concen: 18.946 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tgt Ion:119 Resp: 79170
Ion Ratio Lower Upper
119 100
91 70.0 31.5 94.5
134 26.0 12.4 37.4

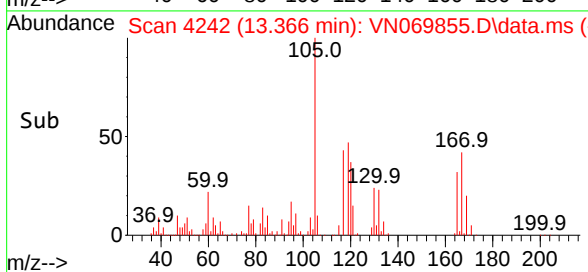
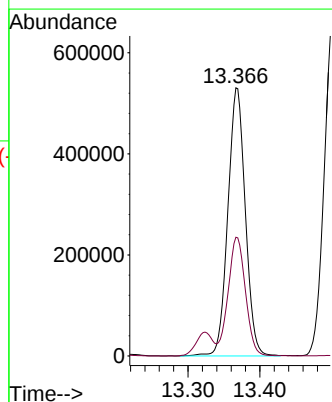
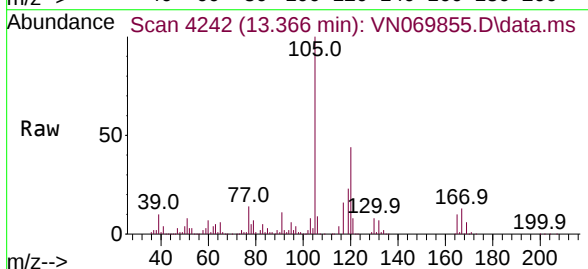
Manual Integrations
APPROVED

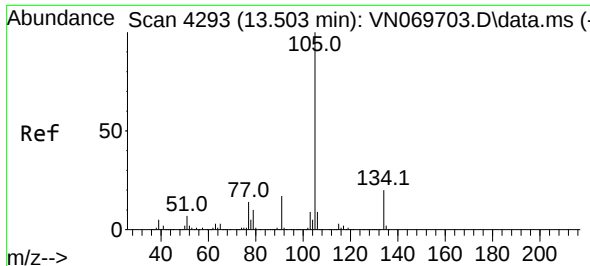
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021



#84
1,2,4-Trimethylbenzene
Concen: 19.889 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

Tgt Ion:105 Resp: 893893
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4





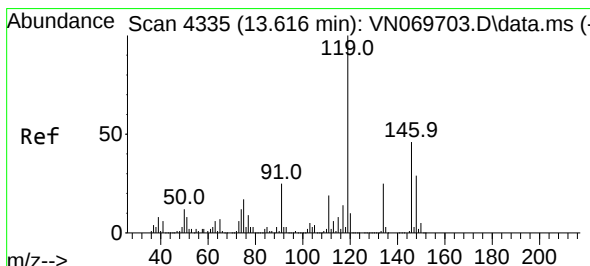
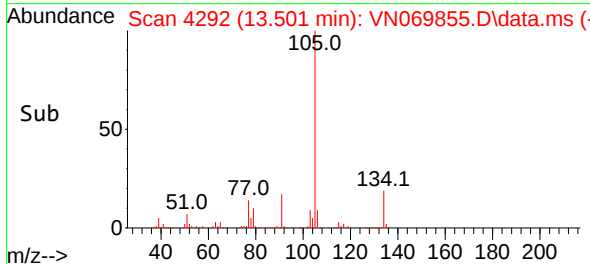
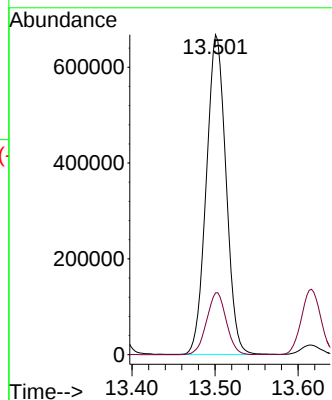
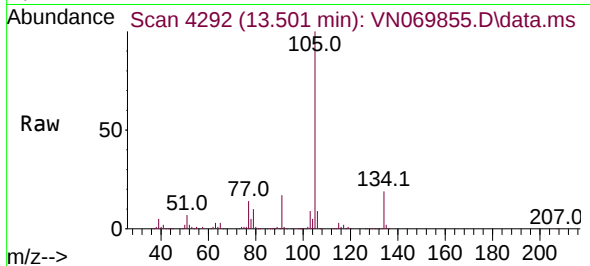
#85
 sec-Butylbenzene
 Concen: 19.337 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.003 min
 Lab File: VN069855.D
 Acq: 8 Dec 2021 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tgt Ion:105 Resp: 1096024
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.4 31.1

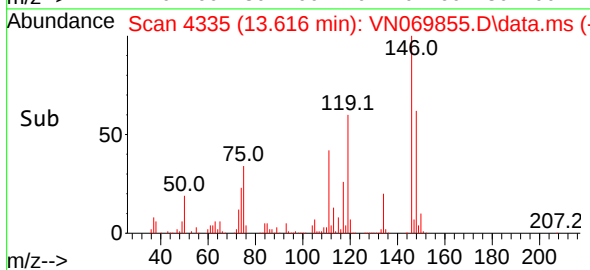
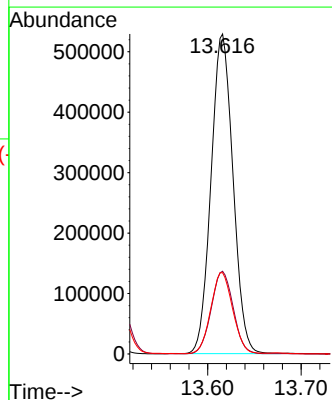
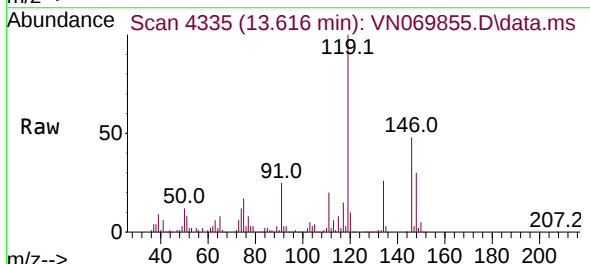
Manual Integrations
 APPROVED

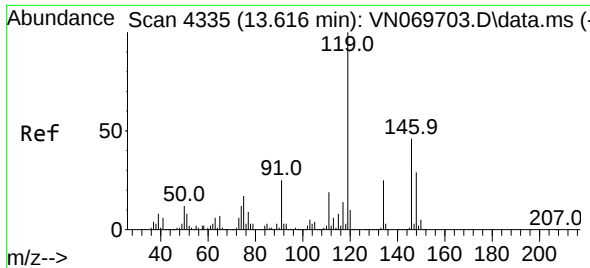
Reviewed By :John Carlone 12/10/2021
 Supervised By :Mahesh Dadoda 12/15/2021



#86
 p-Isopropyltoluene
 Concen: 19.446 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN069855.D
 Acq: 8 Dec 2021 12:35

Tgt Ion:119 Resp: 861547
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.6 40.7
 91 25.4 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 19.148 ug/l

RT: 13.616 min Scan# 4335

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tgt Ion:146 Resp: 43323

Ion Ratio Lower Upper

146 100

111 41.8 18.6 55.6

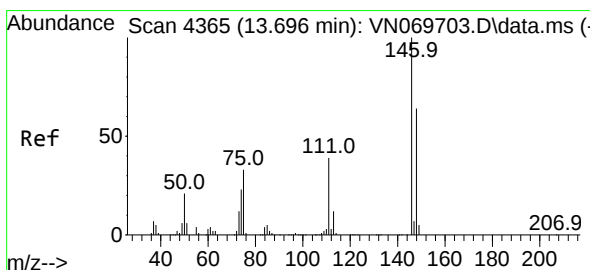
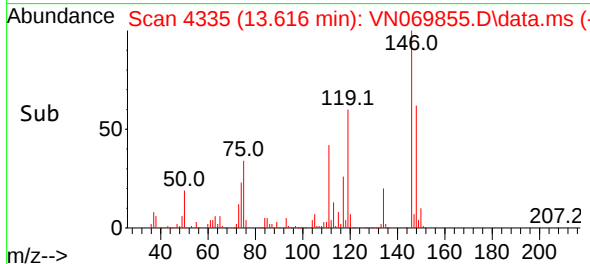
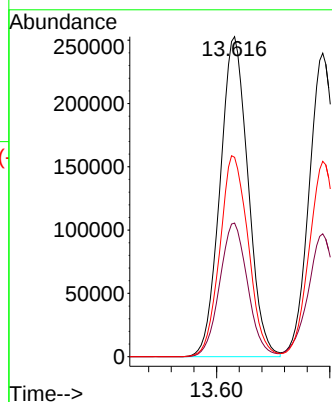
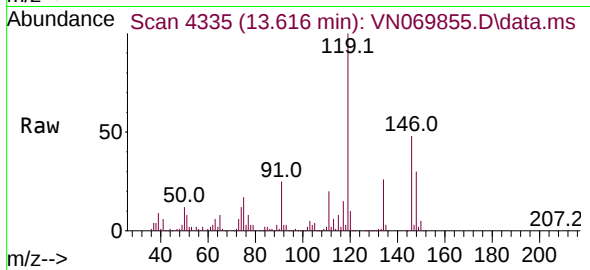
148 63.9 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#88

1,4-Dichlorobenzene

Concen: 18.663 ug/l

RT: 13.694 min Scan# 4364

Delta R.T. -0.003 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

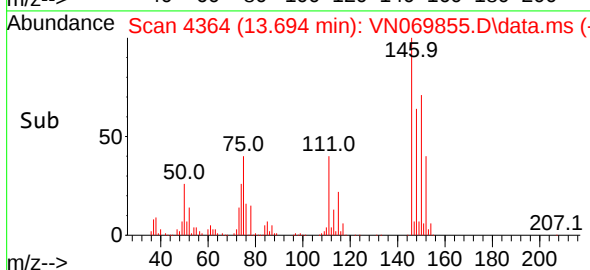
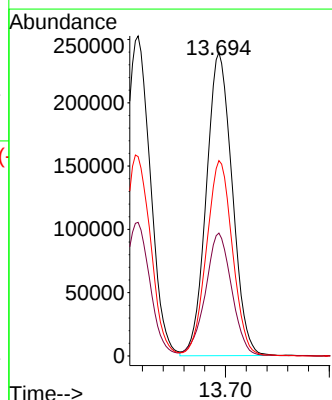
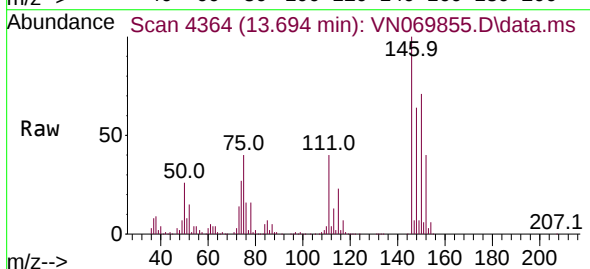
Tgt Ion:146 Resp: 414967

Ion Ratio Lower Upper

146 100

111 41.1 18.3 54.8

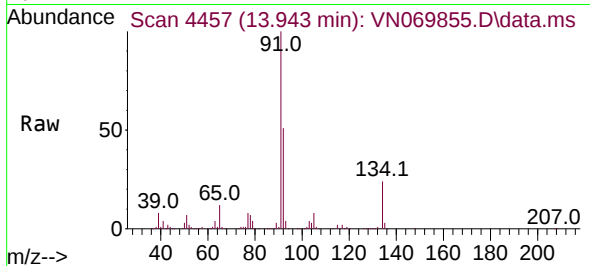
148 64.3 31.8 95.4





#89
n-Butylbenzene
Concen: 18.296 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

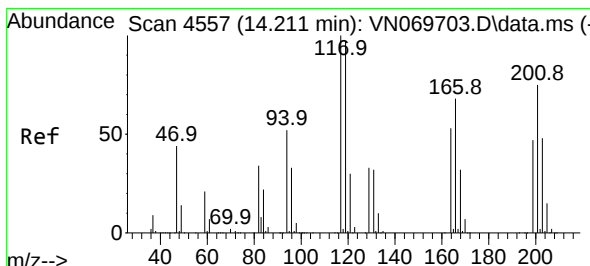
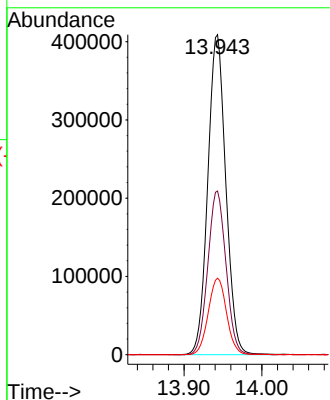
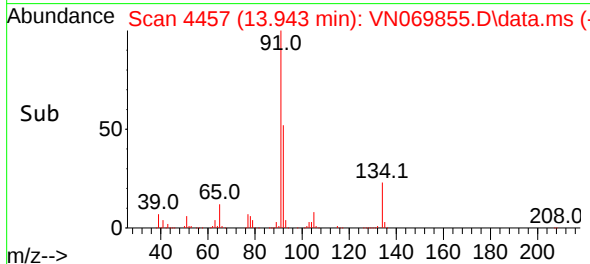
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



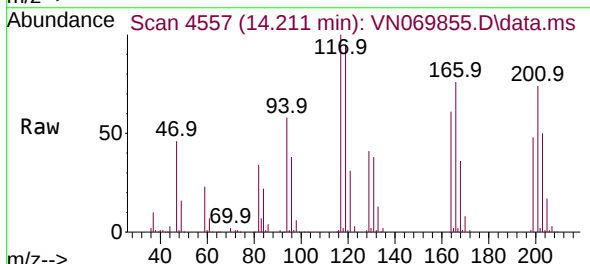
Tgt Ion: 91 Resp: 657552
Ion Ratio Lower Upper
91 100
92 51.6 25.4 76.0
134 24.3 13.6 40.8

Manual Integrations
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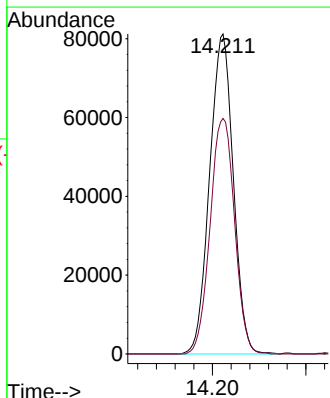
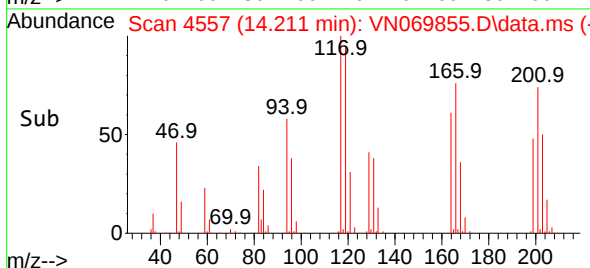
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

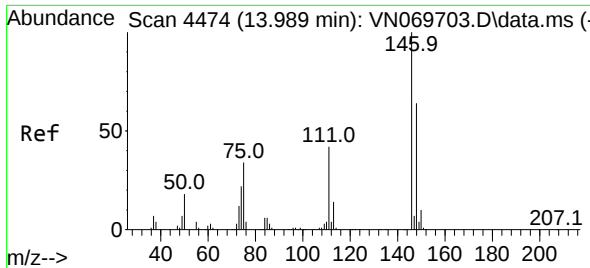


#90
Hexachloroethane
Concen: 18.357 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



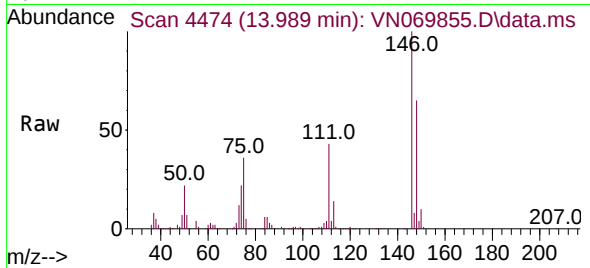
Tgt Ion:117 Resp: 142790
Ion Ratio Lower Upper
117 100
201 76.0 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 19.140 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35

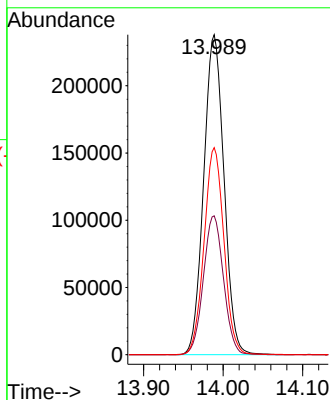
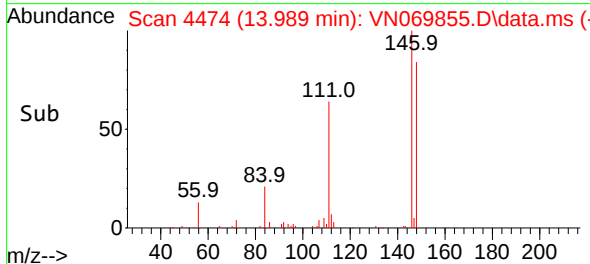
Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01



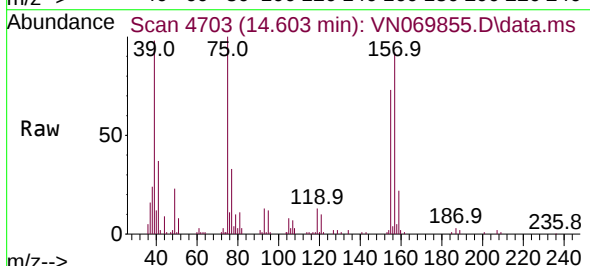
Tgt Ion:146 Resp: 42192
Ion Ratio Lower Upper
146 100
111 43.1 19.1 57.3
148 63.3 32.1 96.3

Manual Integrations
APPROVED

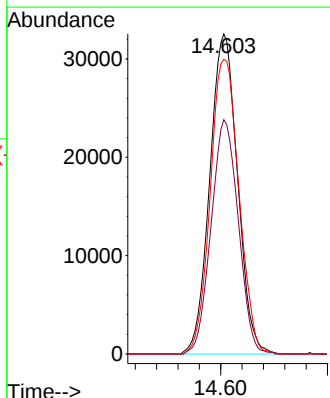
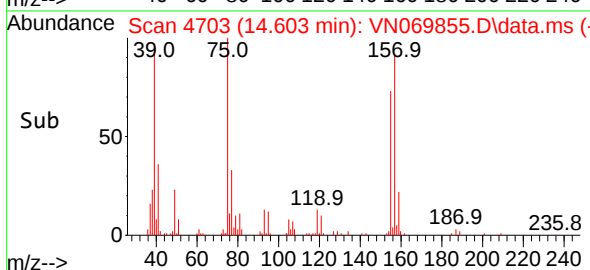
Reviewed By :John Carlone 12/10/2021
Supervised By :Mahesh Dadoda 12/15/2021

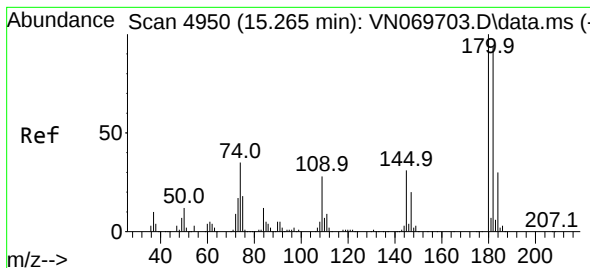


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.015 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN069855.D
Acq: 8 Dec 2021 12:35



Tgt Ion: 75 Resp: 58673
Ion Ratio Lower Upper
75 100
155 71.7 46.9 140.7
157 95.0 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 17.100 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN069855.D

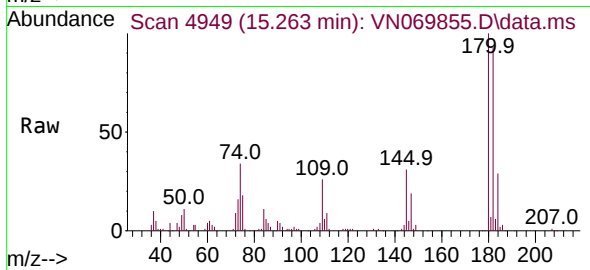
Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01



Tgt Ion:180 Resp: 163160

Ion Ratio Lower Upper

180 100

182 94.2 48.3 144.9

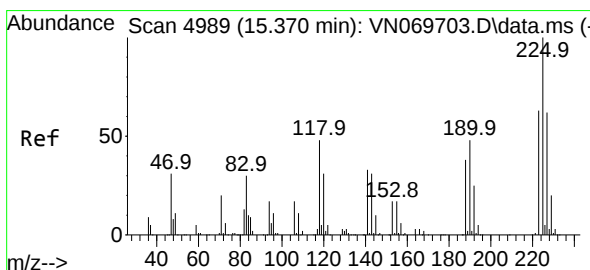
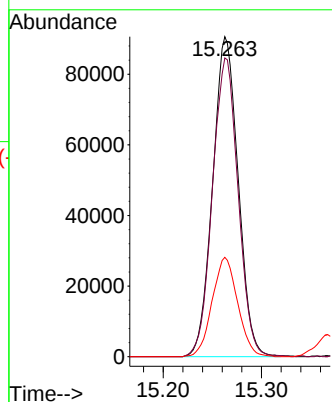
145 31.1 14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#94

Hexachlorobutadiene

Concen: 19.263 ug/l

RT: 15.370 min Scan# 4989

Delta R.T. 0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

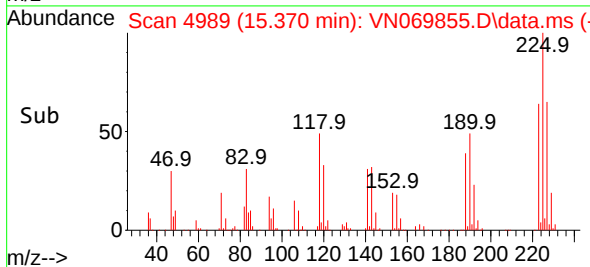
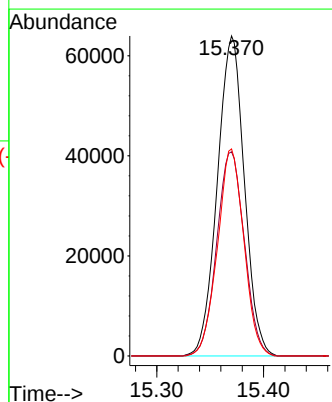
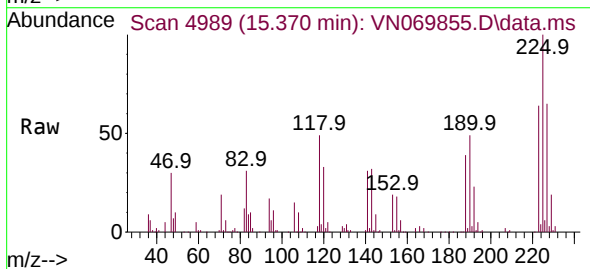
Tgt Ion:225 Resp: 112541

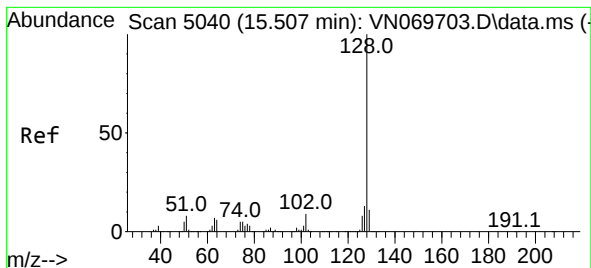
Ion Ratio Lower Upper

225 100

223 65.3 31.9 95.7

227 63.0 32.1 96.3





#95

Naphthalene

Concen: 14.524 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

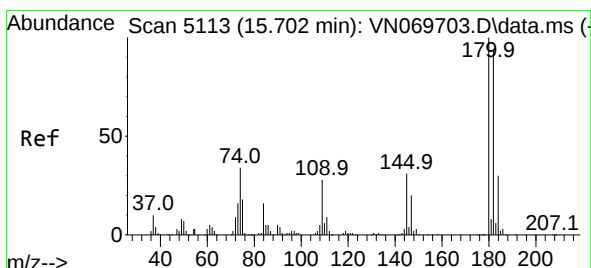
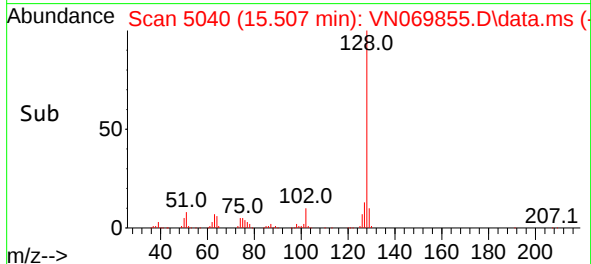
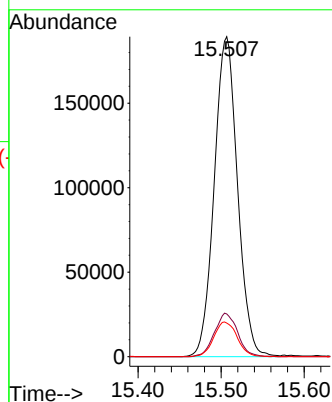
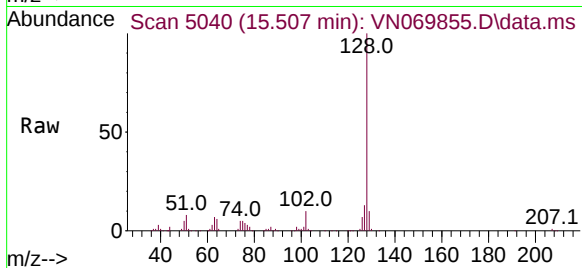
Tgt Ion:	128	Resp:	36880
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2021

Supervised By :Mahesh Dadoda 12/15/2021



#96

1,2,3-Trichlorobenzene

Concen: 16.640 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.002 min

Lab File: VN069855.D

Acq: 8 Dec 2021 12:35

Tgt Ion:	180	Resp:	157344
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.2
145	32.4	15.0	45.1

