

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070160.D
 Acq On : 17 Dec 2021 13:25
 Operator : JC/MD
 Sample : VN1217WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 18 05:29:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	185437	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1036885	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	955304	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	507295	30.870	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.900%			
60) 4-Bromofluorobenzene	12.731	95	459912	29.258	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.533%			
63) Toluene-d8	10.443	98	1338936	30.329	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	256139	19.034	ug/l	97
3) Chloromethane	2.303	50	300861	19.519	ug/l	97
4) Vinyl Chloride	2.446	62	269160	18.558	ug/l	100
5) Bromomethane	2.856	94	151121	19.061	ug/l	94
6) Chloroethane	3.019	64	156112	18.746	ug/l	99
7) Trichlorofluoromethane	3.373	101	332879	17.580	ug/l	97
8) Diethyl Ether	3.827	74	144678	19.256	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.205	101	206417	18.559	ug/l	# 70
10) 1,1-Dichloroethene	4.173	96	191742	18.125	ug/l	88
11) Methyl Iodide	4.417	142	273578	18.481	ug/l	95
12) Methyl Acetate	4.862	43	589066m	22.606	ug/l	
13) Acrolein	4.041	56	213947	101.430	ug/l	97
14) Acrylonitrile	5.562	53	821078	109.128	ug/l	100
15) Acetone	4.293	58	242085	88.670	ug/l	82
16) Carbon Disulfide	4.524	76	489441	15.354	ug/l	98
17) Allyl chloride	4.838	41	440644	18.521	ug/l	87
18) Methylene Chloride	5.093	84	252773	19.822	ug/l	# 87
19) trans-1,2-Dichloroethene	5.597	96	210704	18.752	ug/l	# 82
20) Diisopropyl ether	6.501	45	935118	20.522	ug/l	# 93
21) 1,1-Dichloroethane	6.388	63	458806	19.100	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	253386	19.052	ug/l	90
23) tert-Butyl Alcohol	5.388	59	285127	119.880	ug/l	# 100
24) Methyl tert-Butyl Ether	5.621	73	788138	20.980	ug/l	96
25) Chloroform	7.818	83	455792	19.098	ug/l	99
26) Cyclohexane	8.096	56	419920	18.886	ug/l	# 83
29) 1,1-Dichloropropene	8.223	75	330583	18.517	ug/l	94
30) 2-Butanone	7.340	43	1264891	102.976	ug/l	# 91
31) 2,2-Dichloropropane	7.327	77	334394	17.911	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	367089	17.753	ug/l	95
33) Carbon Tetrachloride	8.206	117	299847	16.314	ug/l	97
34) Benzene	8.461	78	1007503	19.088	ug/l	# 95
35) Methacrylonitrile	7.641	41	249647	21.971	ug/l	90
36) 1,2-Dichloroethane	8.531	62	404231	19.401	ug/l	98
37) Trichloroethene	9.217	130	228263	18.182	ug/l	90
38) Methylcyclohexane	9.459	83	389271	18.343	ug/l	87
39) 1,2-Dichloropropane	9.491	63	271768	19.313	ug/l	98
40) Dibromomethane	9.580	93	177384	19.110	ug/l	95
41) Bromodichloromethane	9.762	83	328370	16.730	ug/l	95
42) Vinyl Acetate	6.436	43	3724879m	103.231	ug/l	

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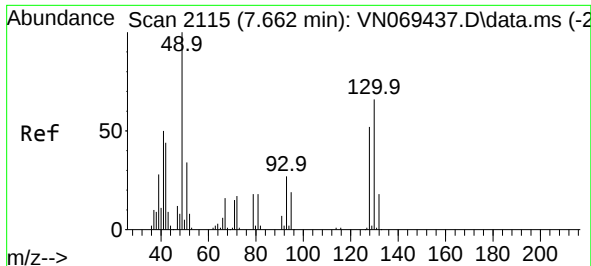
Manual Integrations
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Reviewed By : John Carlone 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	474895	22.258	ug/l	98
44) Isopropyl Acetate	8.563	43	725033	21.112	ug/l	96
45) 1,4-Dioxane	9.572	88	126066	518.734	ug/l #	85
46) Methyl methacrylate	9.561	41	339932	20.900	ug/l	80
47) n-amyl Acetate	12.390	43	480510	20.064	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	350090	17.734	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	384841	17.963	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	248149	19.668	ug/l	97
51) Ethyl methacrylate	10.762	69	411763	20.419	ug/l	88
52) 1,3-Dichloropropane	11.044	76	439068	19.654	ug/l	99
53) Dibromochloromethane	11.240	129	224443	15.836	ug/l	100
54) 1,2-Dibromoethane	11.347	107	246999	19.214	ug/l	95
55) 2-Chloroethyl vinyl ether	10.044	63	483062	122.196	ug/l	96
56) Bromoform	12.460	173	158947	14.730	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	2432940	110.960	ug/l	95
59) 2-Hexanone	11.087	43	1766896	109.001	ug/l	95
61) Tetrachloroethene	10.977	164	210004	18.822	ug/l	97
62) Toluene	10.505	91	1074639	19.128	ug/l	98
64) Chlorobenzene	11.771	112	629982	18.894	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	219672	17.492	ug/l	99
66) Ethyl Benzene	11.846	91	1180688	18.903	ug/l	100
67) m/p-Xylenes	11.953	106	868154	38.044	ug/l	95
68) o-Xylene	12.280	106	426482	18.889	ug/l	95
69) Styrene	12.296	104	675415	18.353	ug/l	97
70) Isopropylbenzene	12.581	105	1112879	18.786	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	387901	19.965	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	472620	26.141	ug/l	56
73) Bromobenzene	12.862	156	256555	18.661	ug/l	90
74) n-propylbenzene	12.921	91	1250309	18.209	ug/l	98
75) 2-Chlorotoluene	13.007	91	795405	18.931	ug/l	94
76) 1,3,5-Trimethylbenzene	13.061	105	902974	18.553	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	92336	16.241	ug/l	83
78) 4-Chlorotoluene	13.106	91	742952	18.439	ug/l	93
79) tert-butylbenzene	13.324	119	780782	18.484	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	885036m	18.804	ug/l	
81) sec-Butylbenzene	13.503	105	1069427	18.144	ug/l	99
82) p-Isopropyltoluene	13.616	119	849917	18.099	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	429318	18.464	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	412533	18.445	ug/l	99
85) n-Butylbenzene	13.943	91	664682	16.943	ug/l	98
86) Hexachloroethane	14.211	117	128599	13.727	ug/l	85
87) 1,2-Dichlorobenzene	13.989	146	421583	18.874	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	69539	18.710	ug/l	92
89) 1,2,4-Trichlorobenzene	15.265	180	194751	18.741	ug/l	97
90) Hexachlorobutadiene	15.370	225	115101	18.610	ug/l	99
91) Naphthalene	15.507	128	548008	22.296	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	193066	19.664	ug/l	100

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



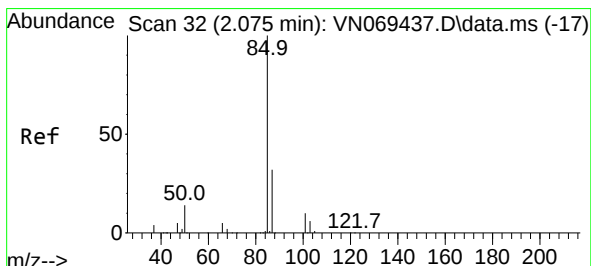
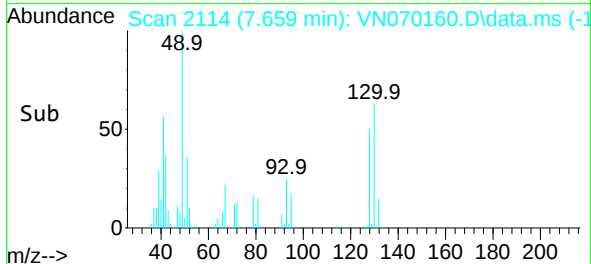
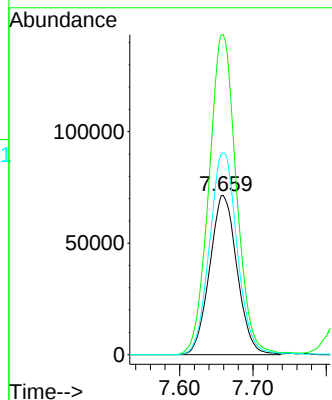
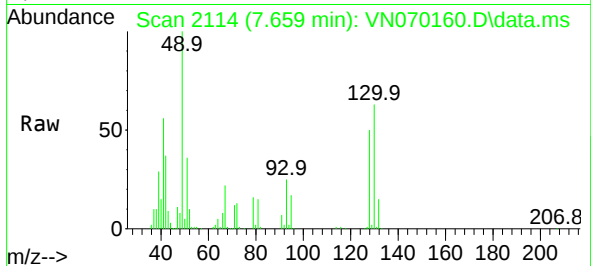
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:128 Resp: 18543
Ion Ratio Lower Upper
128 100
49 200.9 0.0 392.3
130 128.0 0.0 320.2

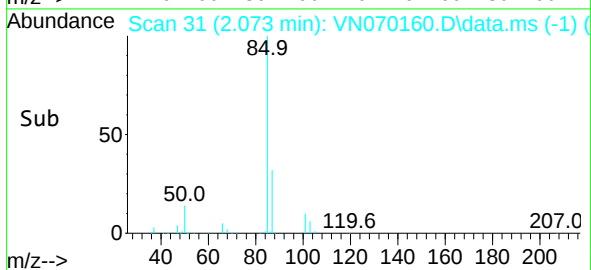
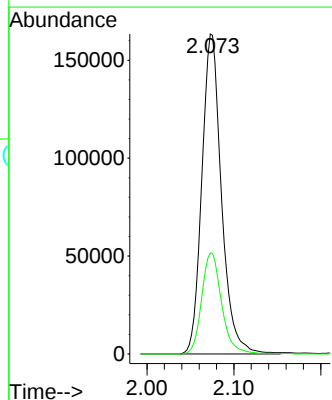
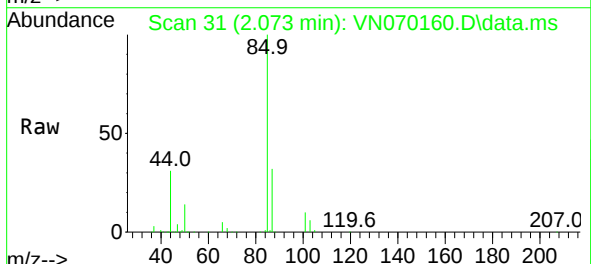
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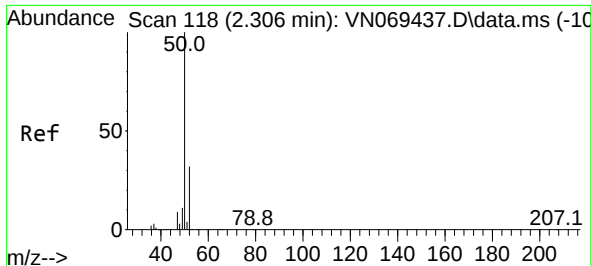
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#2
Dichlorodifluoromethane
Concen: 19.034 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

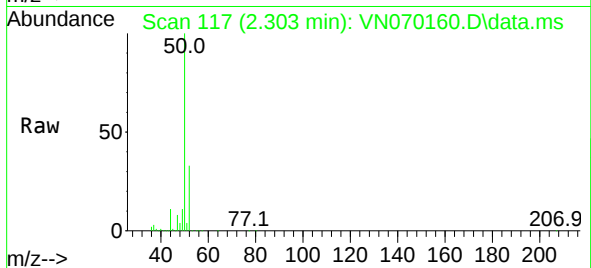
Tgt Ion: 85 Resp: 256139
Ion Ratio Lower Upper
85 100
87 31.5 16.6 49.7





#3
Chloromethane
Concen: 19.519 ug/l
RT: 2.303 min Scan# 118
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

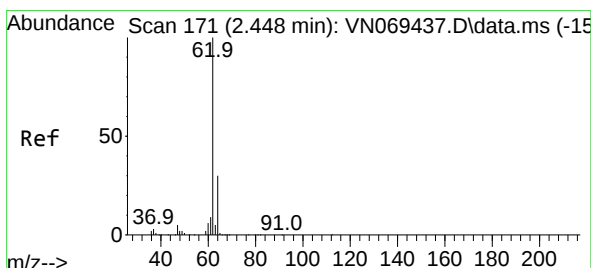
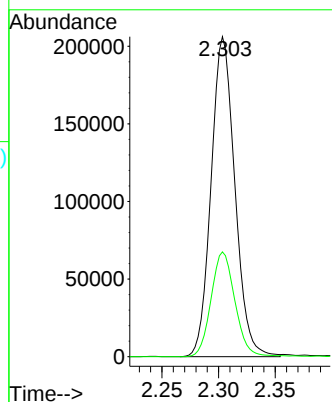
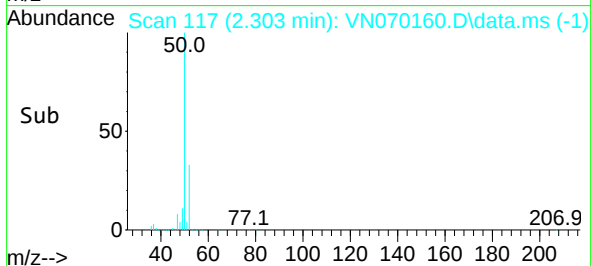
Instrument :
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ClientSampleId :
VN1217WBSD01



Tgt Ion: 50 Resp: 30086
Ion Ratio Lower Upper
50 100
52 32.8 27.8 41.6

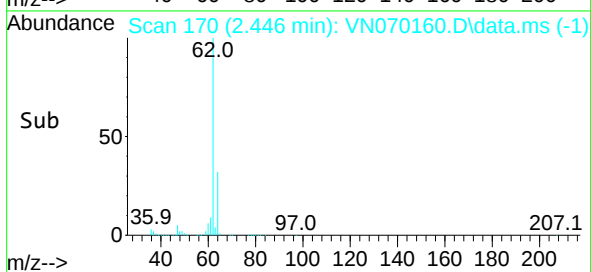
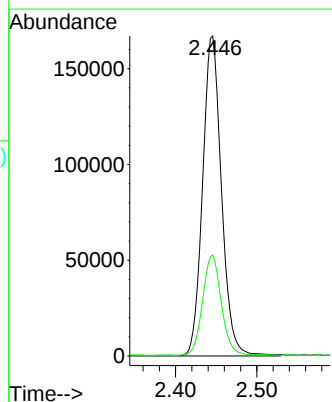
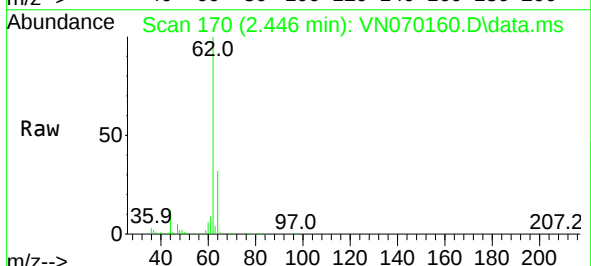
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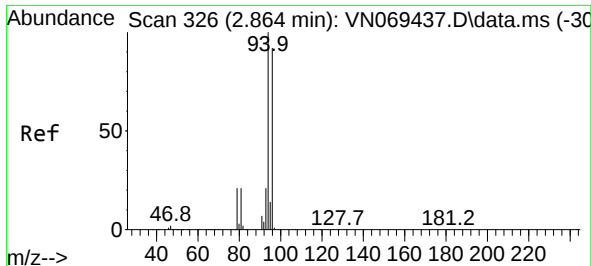
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#4
Vinyl Chloride
Concen: 18.558 ug/l
RT: 2.446 min Scan# 170
Delta R.T. -0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

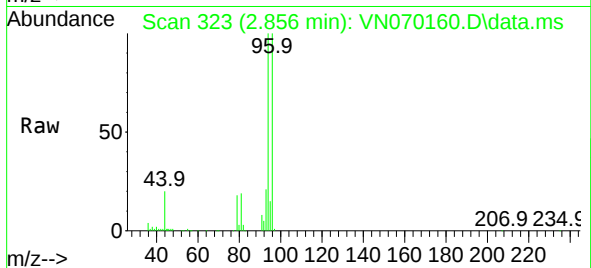
Tgt Ion: 62 Resp: 269160
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5
Bromomethane
Concen: 19.061 ug/l
RT: 2.856 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

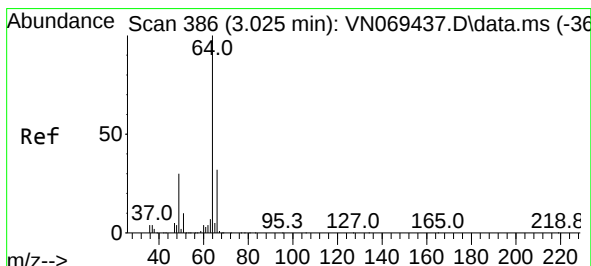
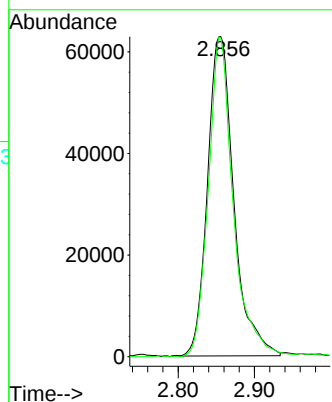
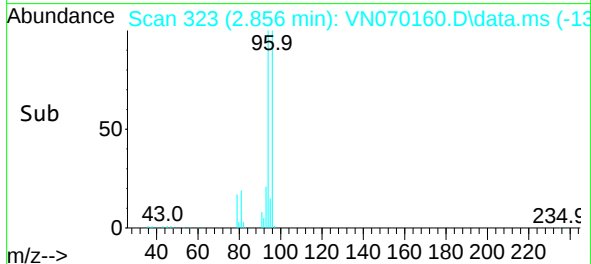
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



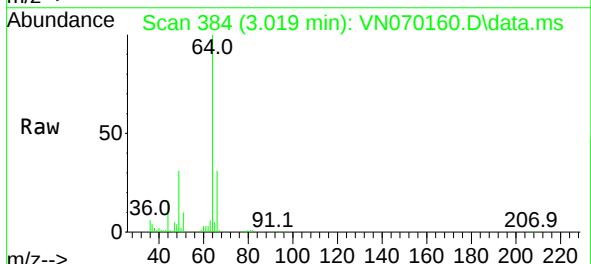
Tgt Ion: 94 Resp: 15112
Ion Ratio Lower Upper
94 100
96 99.9 75.2 112.8

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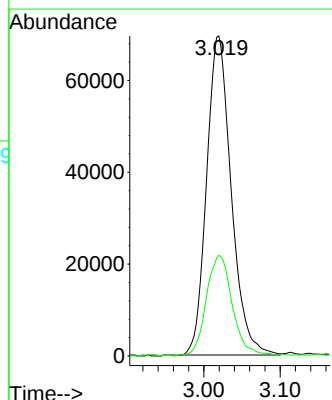
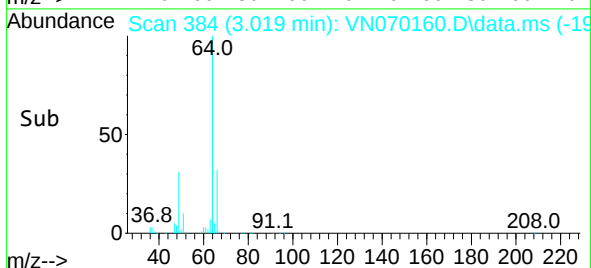
Reviewed By :John Carlone 12/18/2021
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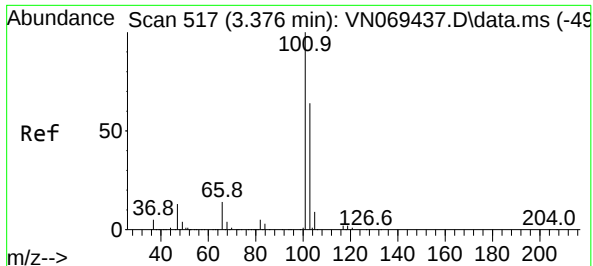


#6
Chloroethane
Concen: 18.746 ug/l
RT: 3.019 min Scan# 384
Delta R.T. -0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



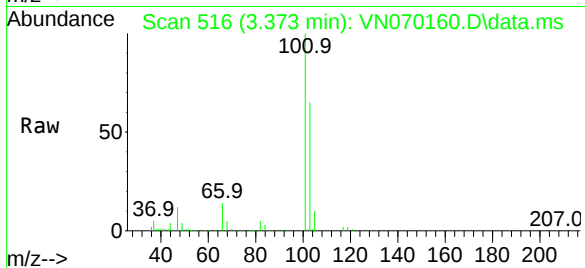
Tgt Ion: 64 Resp: 156112
Ion Ratio Lower Upper
64 100
66 31.2 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 17.580 ug/l
 RT: 3.373 min Scan# 517
 Delta R.T. -0.005 min
 Lab File: VN070160.D
 Acq: 17 Dec 2021 13:25

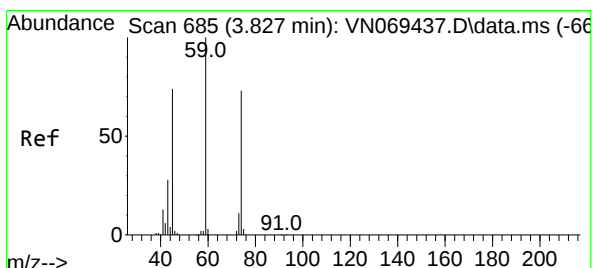
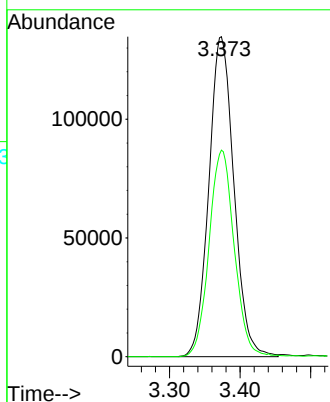
Instrument :
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Tgt Ion:101 Resp: 332879
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.1 75.1

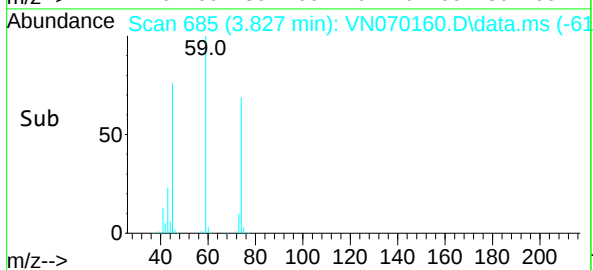
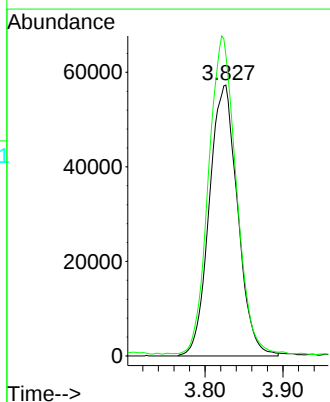
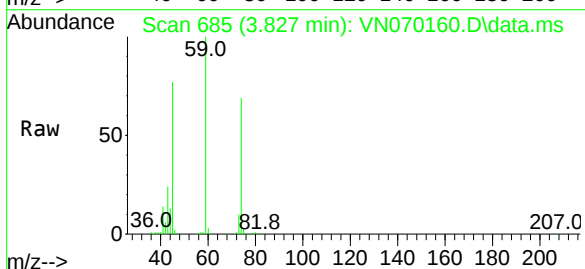
Manual Integrations
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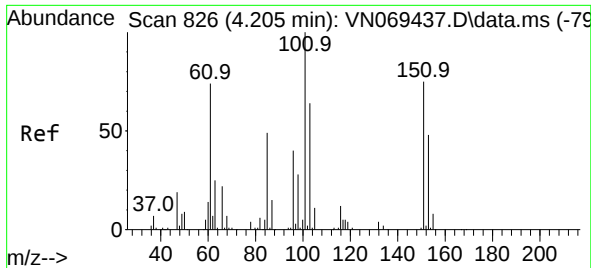
Reviewed By :John Carlone 12/18/2021
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#8
 Diethyl Ether
 Concen: 19.256 ug/l
 RT: 3.827 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: VN070160.D
 Acq: 17 Dec 2021 13:25

Tgt Ion: 74 Resp: 144678
 Ion Ratio Lower Upper
 74 100
 45 113.9 17.6 158.8





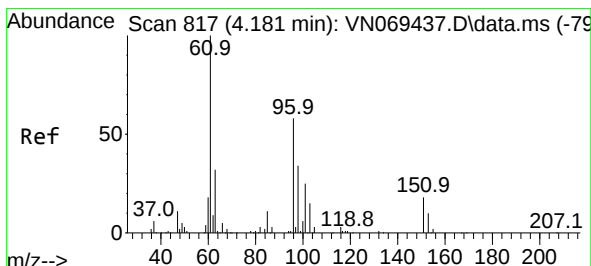
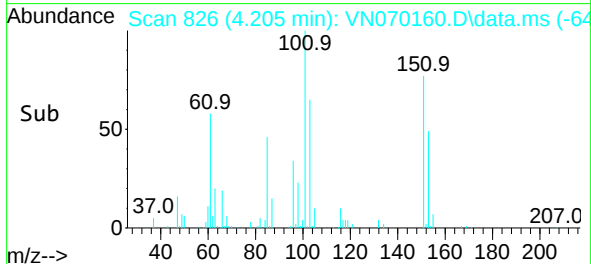
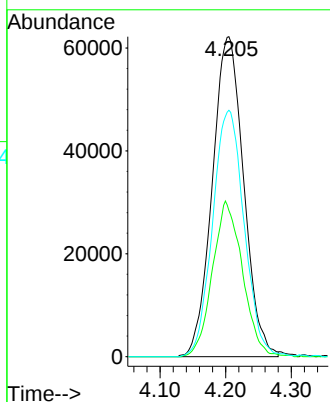
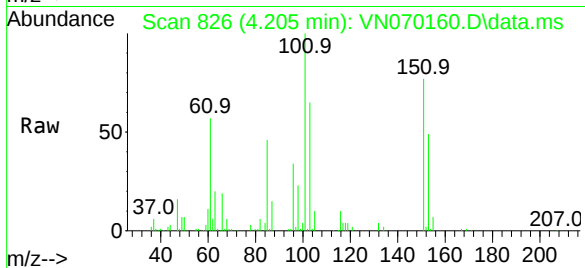
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1,1,2-Trichlorotrifluoroethane
Concen: 18.559 ug/l
RT: 4.205 min Scan# 813
Delta R.T. -0.005 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:101 Resp: 20641
Ion Ratio Lower Upper
101 100
85 46.2 0.0 94.0
151 77.3 0.0 74.6

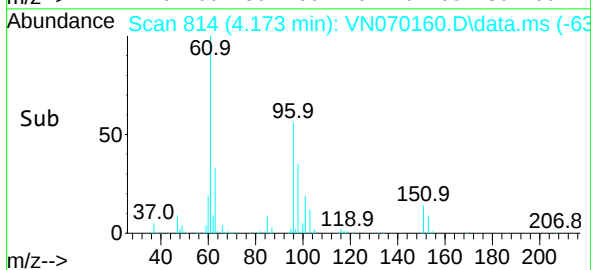
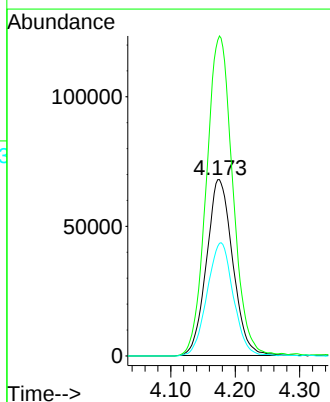
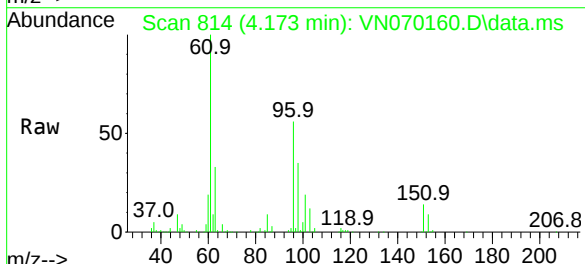
Manual Integrations
APPROVED

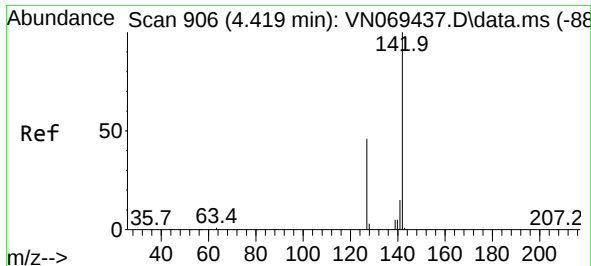
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#10
1,1-Dichloroethene
Concen: 18.125 ug/l
RT: 4.173 min Scan# 814
Delta R.T. -0.011 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

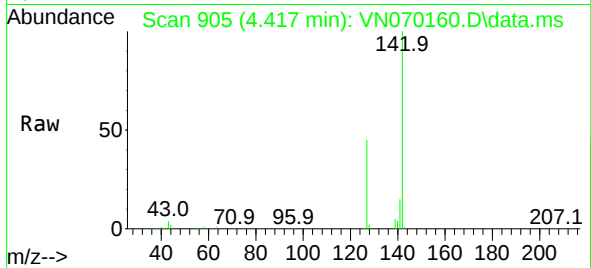
Tgt Ion: 96 Resp: 191742
Ion Ratio Lower Upper
96 100
61 179.2 126.2 189.4
98 62.4 50.9 76.3





#11
Methyl Iodide
Concen: 18.481 ug/l
RT: 4.417 min Scan# 906
Delta R.T. -0.005 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

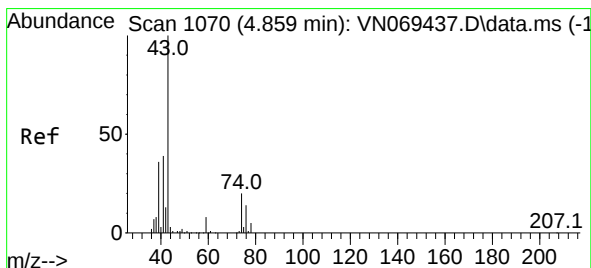
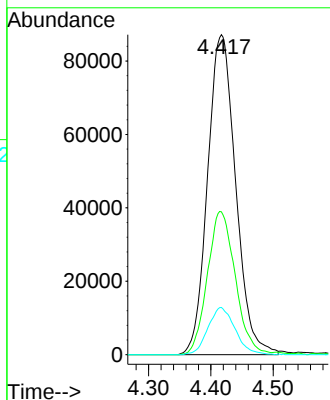
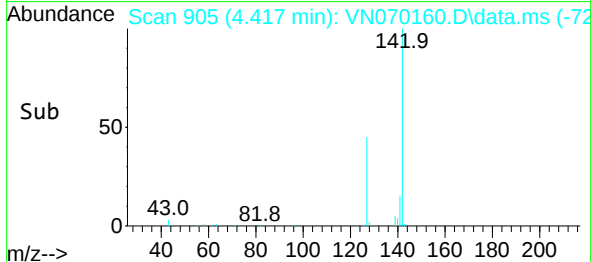
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion:142 Resp: 273578
Ion Ratio Lower Upper
142 100
127 44.5 24.0 72.0
141 14.7 8.4 25.2

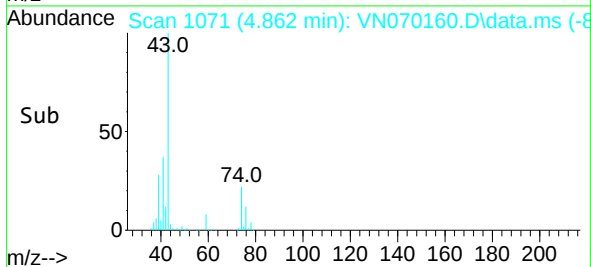
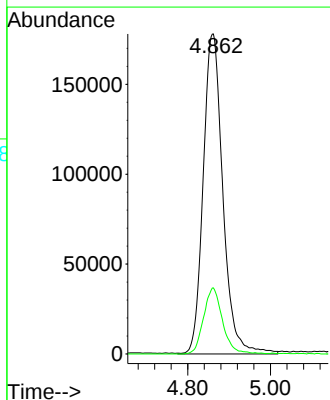
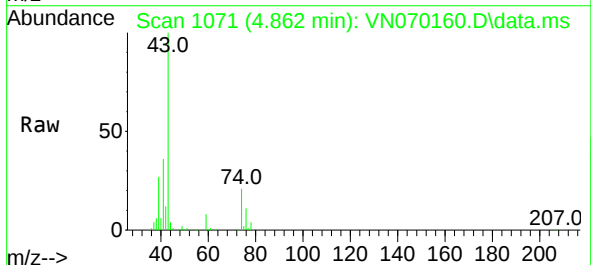
Manual Integrations
APPROVED

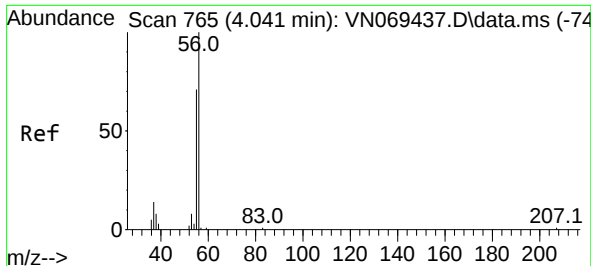
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#12
Methyl Acetate
Concen: 22.606 ug/l m
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

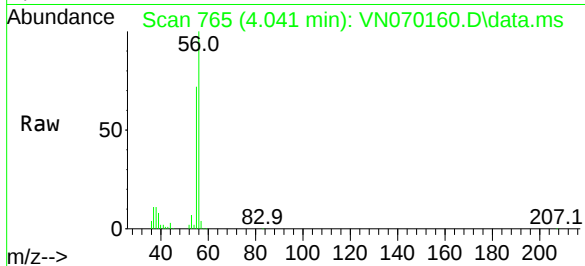
Tgt Ion: 43 Resp: 589066
Ion Ratio Lower Upper
43 100
74 20.6 20.8 31.2#





#13
Acrolein
Concen: 101.430 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

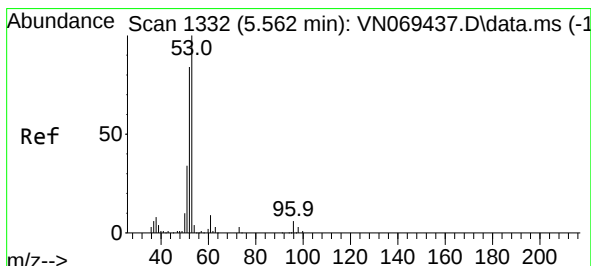
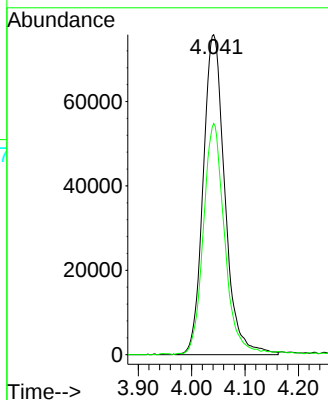
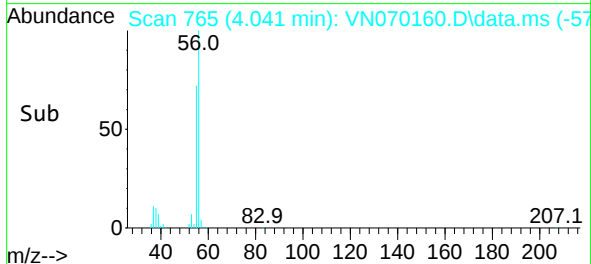
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



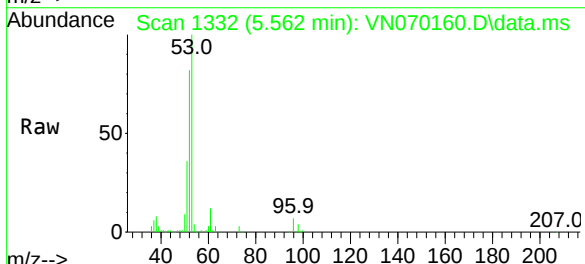
Tgt Ion: 56 Resp: 21394
Ion Ratio Lower Upper
56 100
55 69.4 57.6 86.4

Manual Integrations
APPROVED

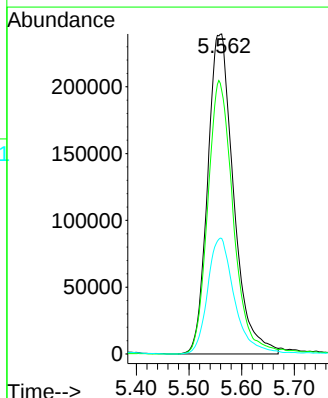
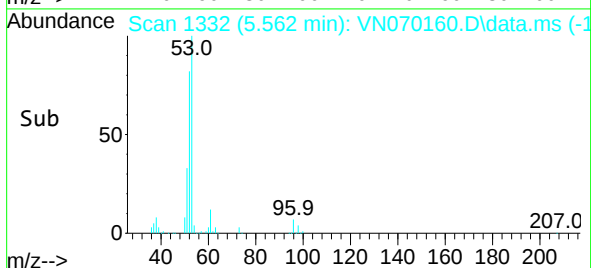
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

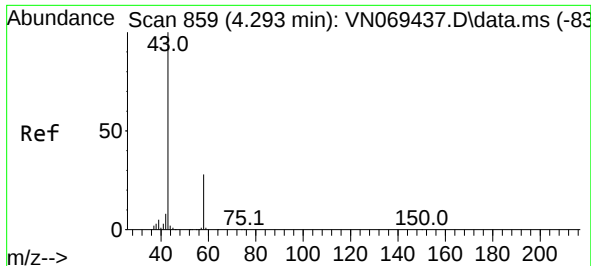


#14
Acrylonitrile
Concen: 109.128 ug/l
RT: 5.562 min Scan# 1332
Delta R.T. 0.005 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



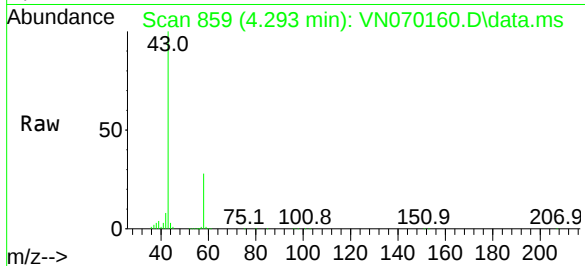
Tgt Ion: 53 Resp: 821078
Ion Ratio Lower Upper
53 100
52 83.4 41.8 125.4
51 37.4 19.0 57.0





#15
Acetone
Concen: 88.670 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

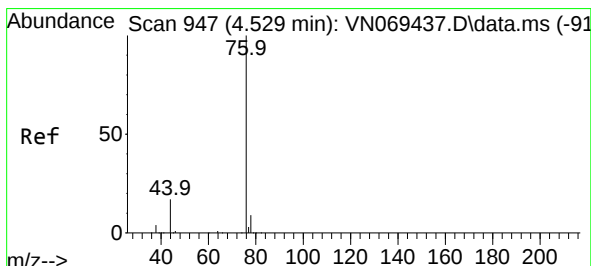
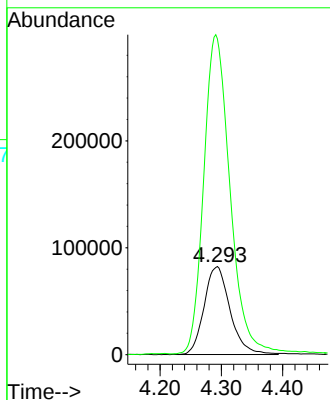
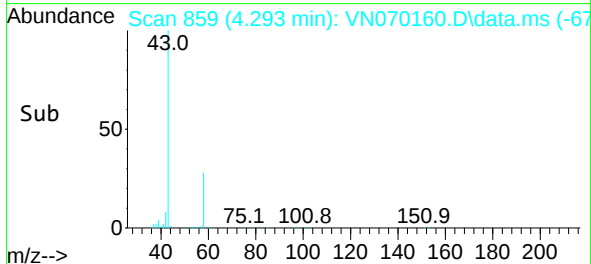
Instrument :
MSVOA_N
Client Sample Id :
VN1217WBSD01



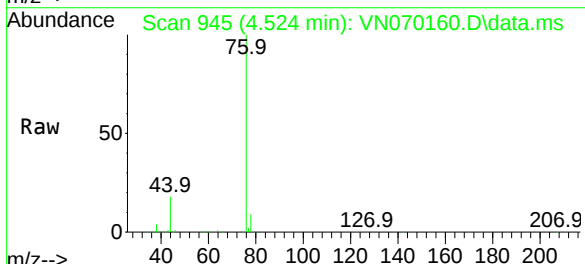
Tgt Ion: 58 Resp: 242085
Ion Ratio Lower Upper
58 100
43 357.3 256.6 384.8

Manual Integrations
APPROVED

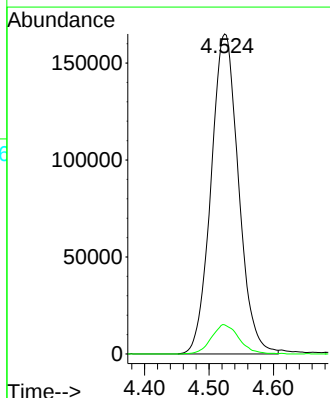
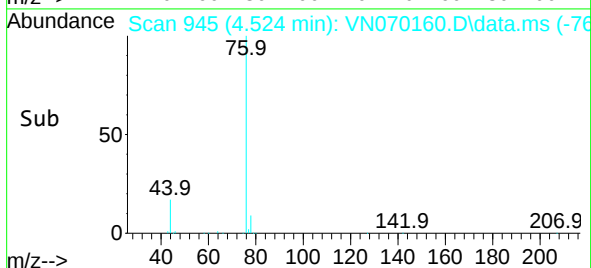
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

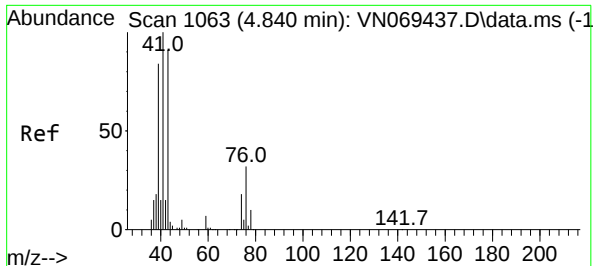


#16
Carbon Disulfide
Concen: 15.354 ug/l
RT: 4.524 min Scan# 945
Delta R.T. -0.005 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



Tgt Ion: 76 Resp: 489441
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8





#17

Allyl chloride

Concen: 18.521 ug/l

RT: 4.838 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 41 Resp: 440644

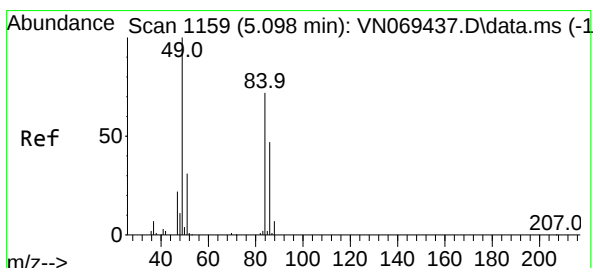
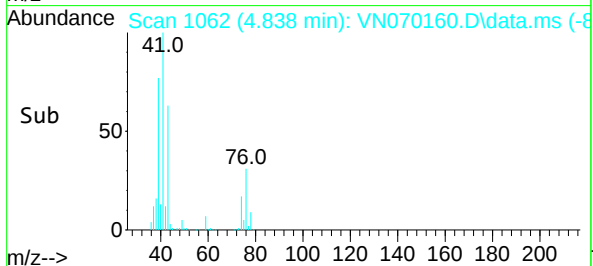
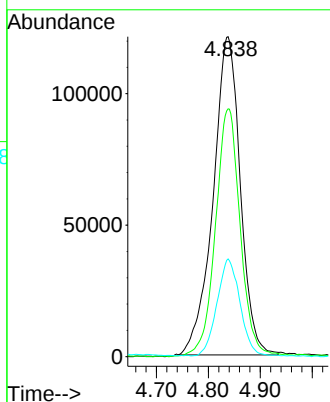
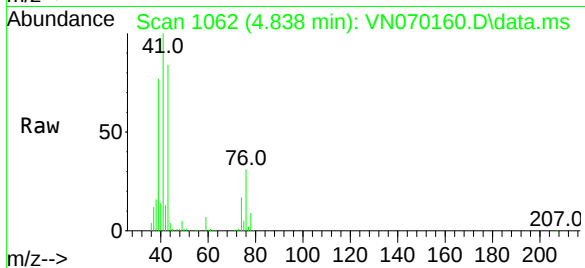
Ion	Ratio	Lower	Upper
41	100		
39	77.8	44.6	134.0
76	30.5	19.6	58.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#18

Methylene Chloride

Concen: 19.822 ug/l

RT: 5.093 min Scan# 1157

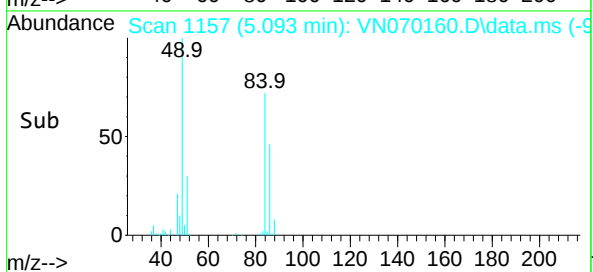
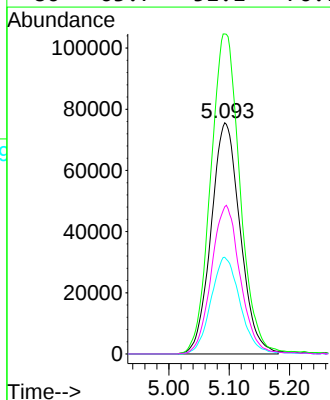
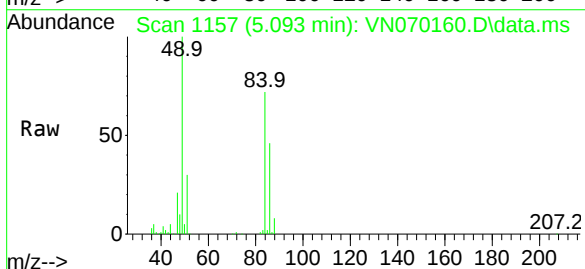
Delta R.T. -0.005 min

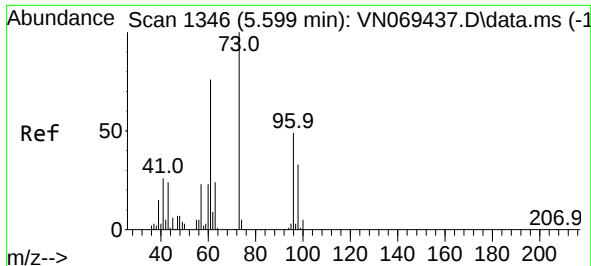
Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Tgt Ion: 84 Resp: 252773

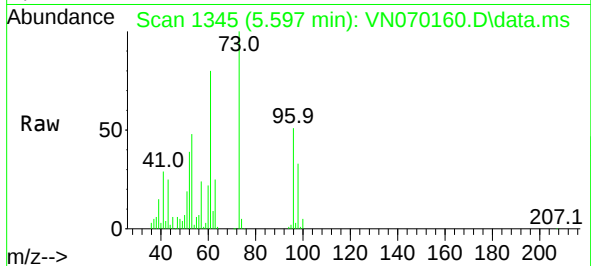
Ion	Ratio	Lower	Upper
84	100		
49	138.4	91.4	137.0
51	41.8	29.4	44.0
86	63.7	51.1	76.7





#19
trans-1,2-Dichloroethene
Concen: 18.752 ug/l
RT: 5.597 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

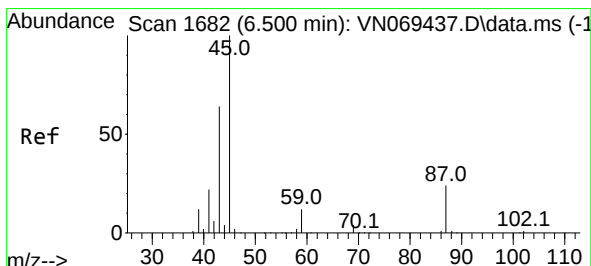
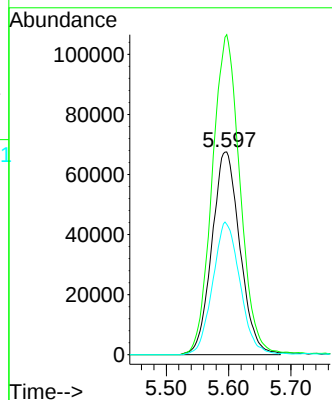
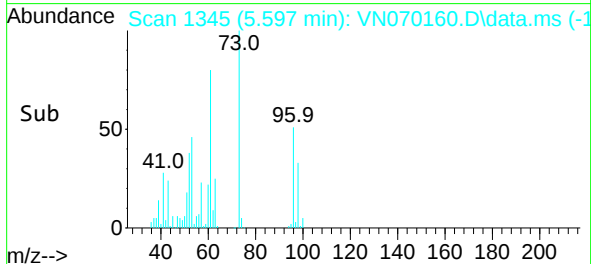
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 96 Resp: 210704
Ion Ratio Lower Upper
96 100
61 157.9 102.8 154.2
98 64.3 49.3 73.9

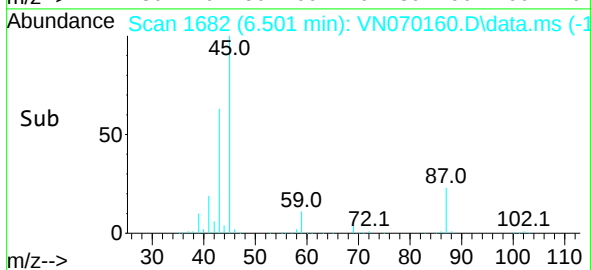
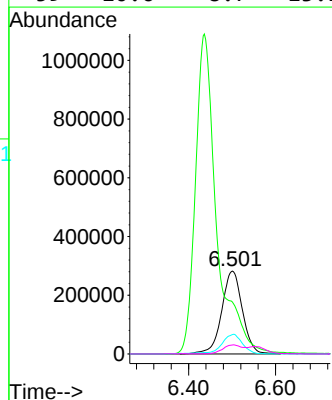
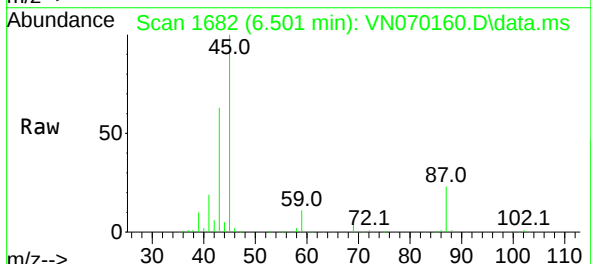
Manual Integrations
APPROVED

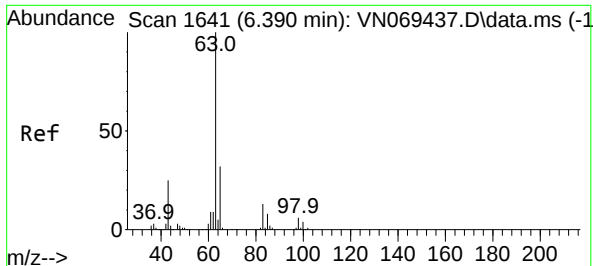
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#20
Diisopropyl ether
Concen: 20.522 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 45 Resp: 935118
Ion Ratio Lower Upper
45 100
43 60.7 51.0 76.4
87 23.2 25.0 37.4
59 10.6 8.7 13.1





#21

1,1-Dichloroethane

Concen: 19.100 ug/l

RT: 6.388 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 63 Resp: 458800

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

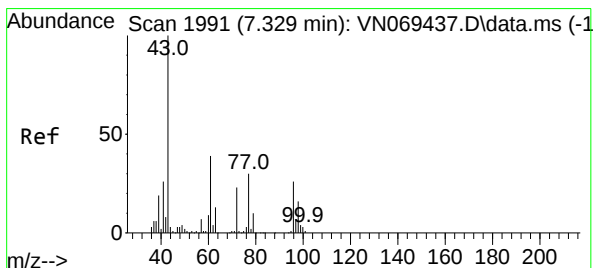
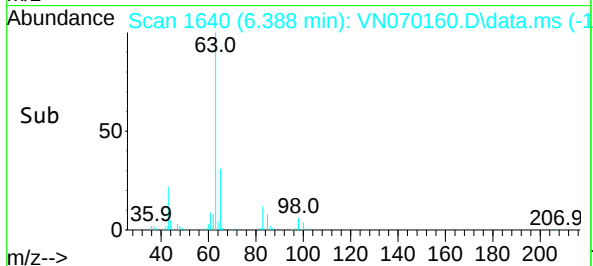
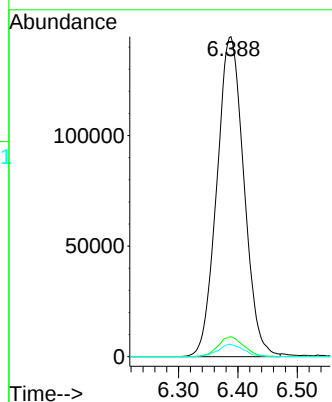
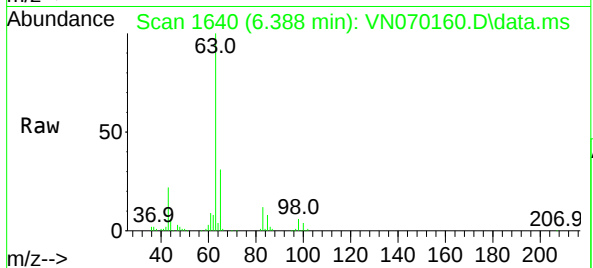
100 3.8 2.1 6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#22

cis-1,2-Dichloroethene

Concen: 19.052 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

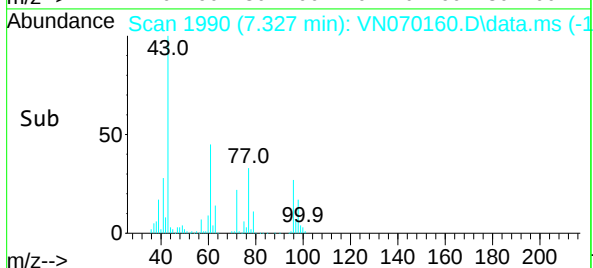
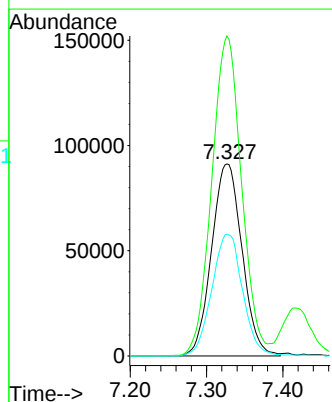
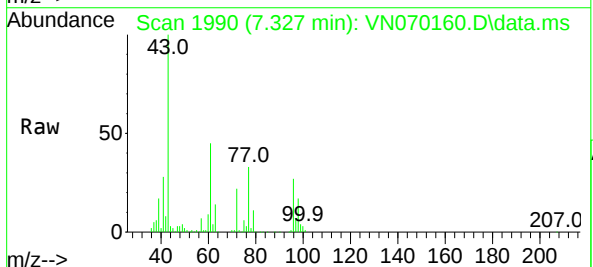
Tgt Ion: 96 Resp: 253386

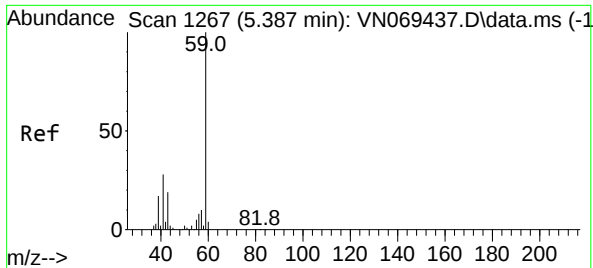
Ion Ratio Lower Upper

96 100

61 162.7 115.7 173.5

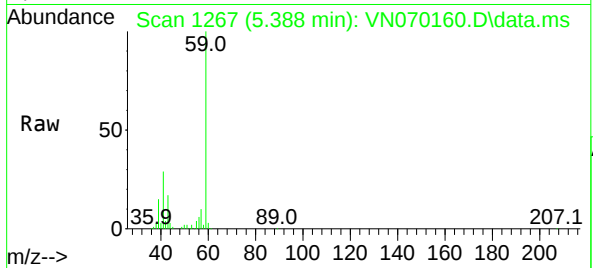
98 63.9 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 119.880 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. 0.013 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

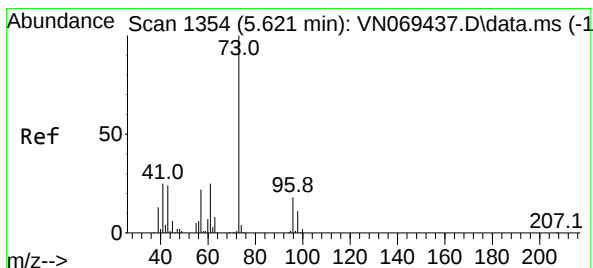
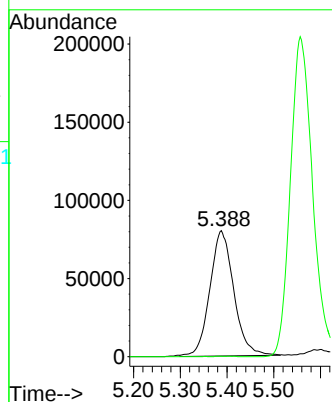
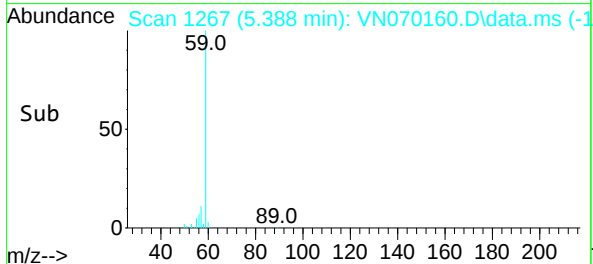
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



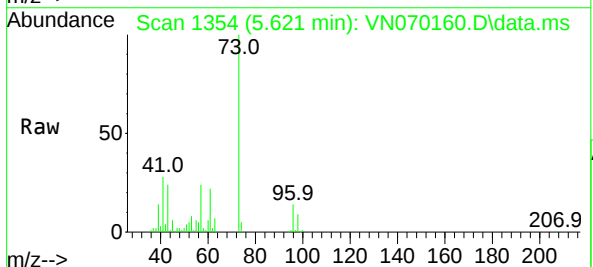
Tgt Ion: 59 Resp: 28512
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

Manual Integrations
APPROVED

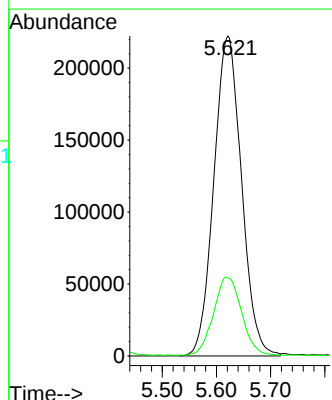
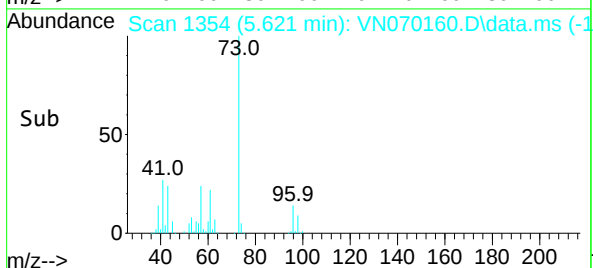
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

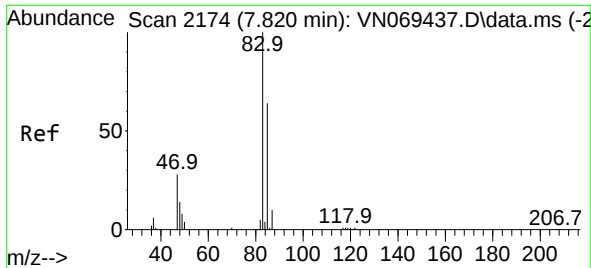


#24
Methyl tert-Butyl Ether
Concen: 20.980 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



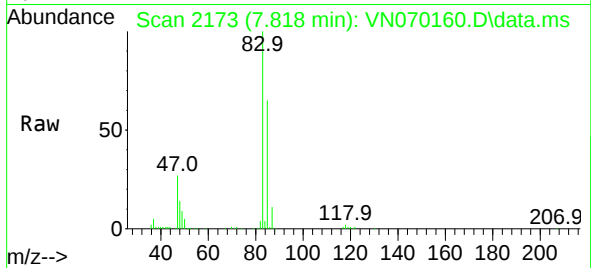
Tgt Ion: 73 Resp: 788138
Ion Ratio Lower Upper
73 100
43 24.7 18.1 27.1





#25
Chloroform
Concen: 19.098 ug/l
RT: 7.818 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

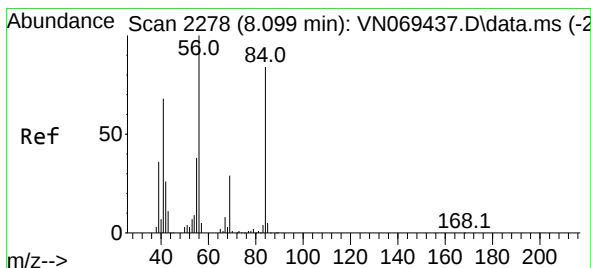
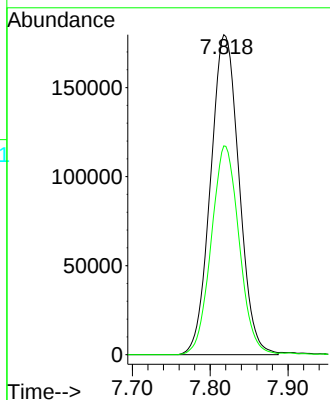
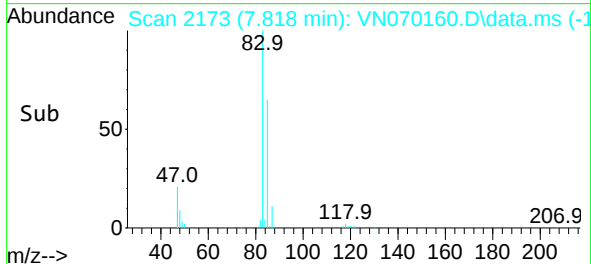
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 83 Resp: 455792
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9

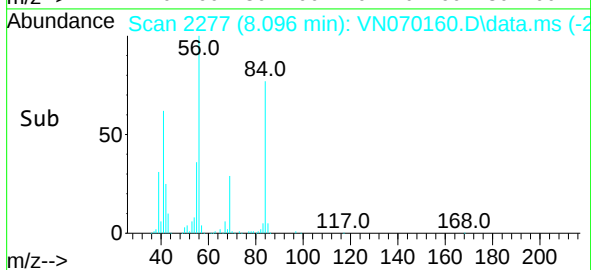
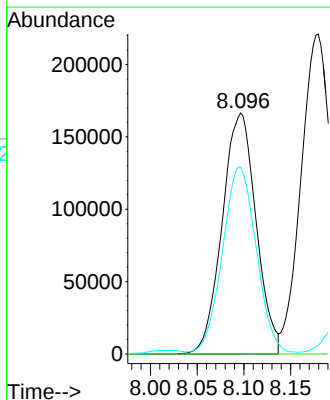
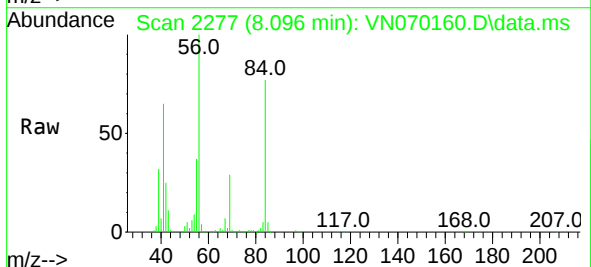
Manual Integrations
APPROVED

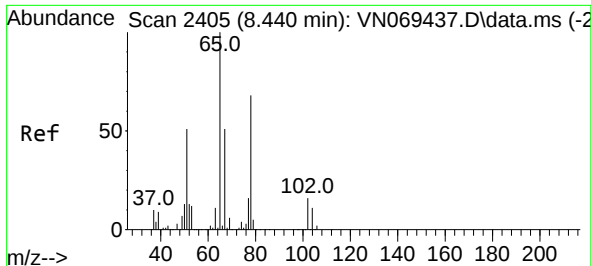
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#26
Cyclohexane
Concen: 18.886 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 56 Resp: 419920
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 76.4 74.6 111.8





#27

1,2-Dichloroethane-d4

Concen: 30.870 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 65 Resp: 50729

Ion Ratio Lower Upper

65 100

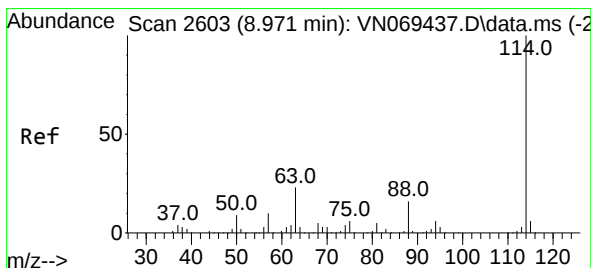
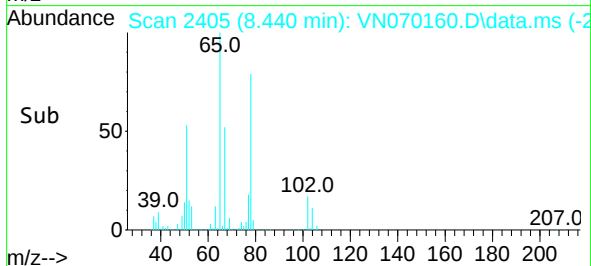
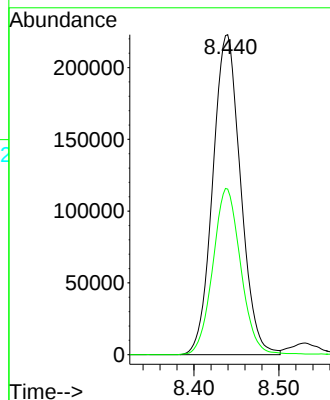
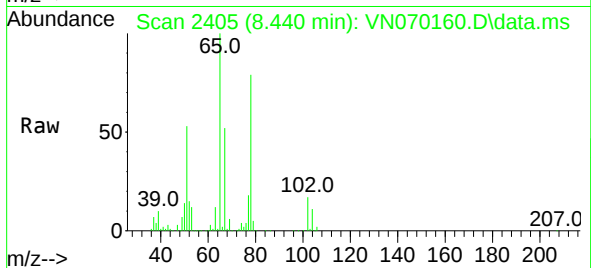
67 51.9 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

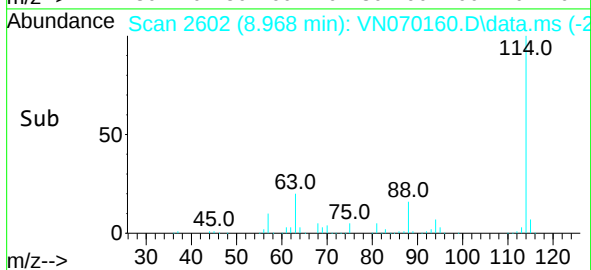
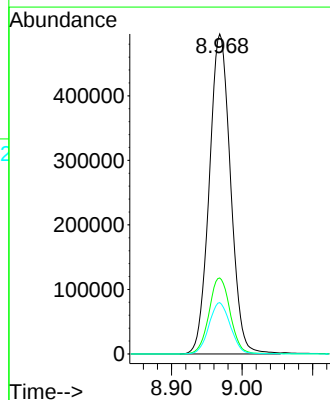
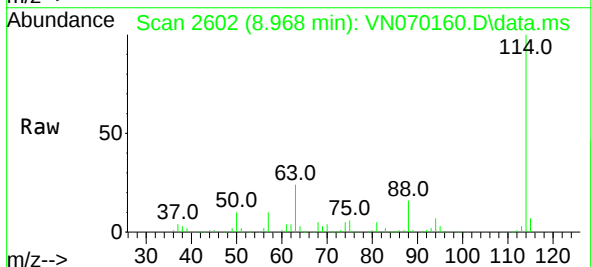
Tgt Ion:114 Resp: 1036885

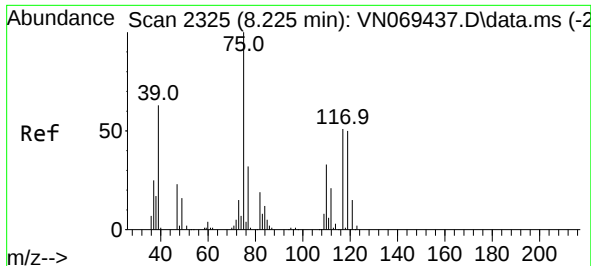
Ion Ratio Lower Upper

114 100

63 23.7 15.8 23.6

88 16.2 11.6 17.4





#29

1,1-Dichloropropene

Concen: 18.517 ug/l

RT: 8.223 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 75 Resp: 33058

Ion Ratio Lower Upper

75 100

110 32.0 0.0 74.2

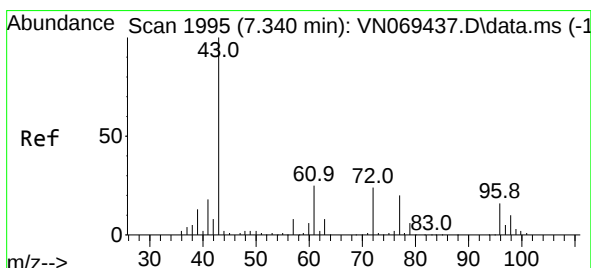
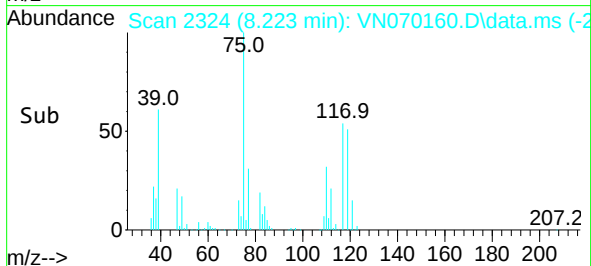
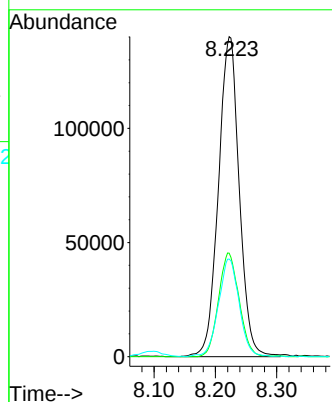
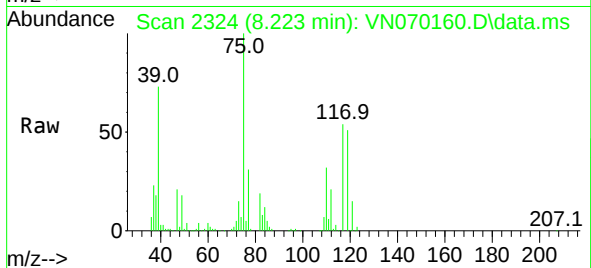
77 30.2 0.0 63.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#30

2-Butanone

Concen: 102.976 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.005 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

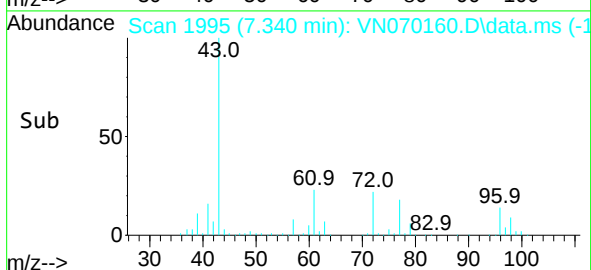
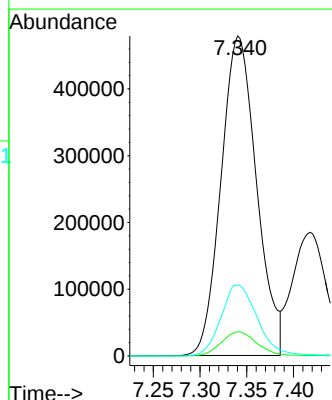
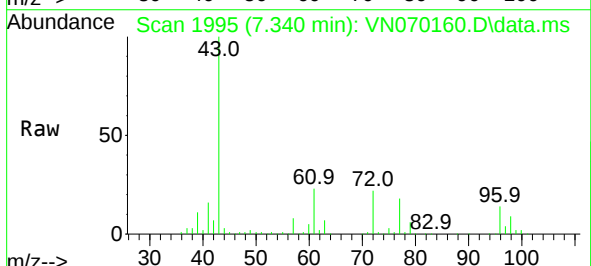
Tgt Ion: 43 Resp: 1264891

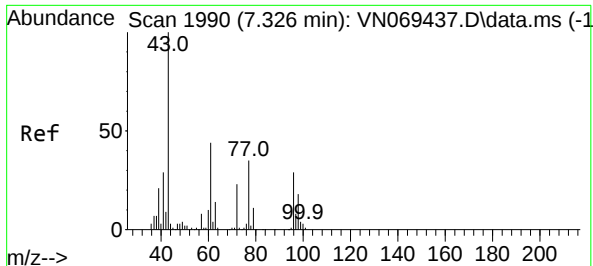
Ion Ratio Lower Upper

43 100

57 7.6 6.7 10.1

72 22.9 23.2 34.8#





#31

2,2-Dichloropropane

Concen: 17.911 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 77 Resp: 334394

Ion Ratio Lower Upper

77 100

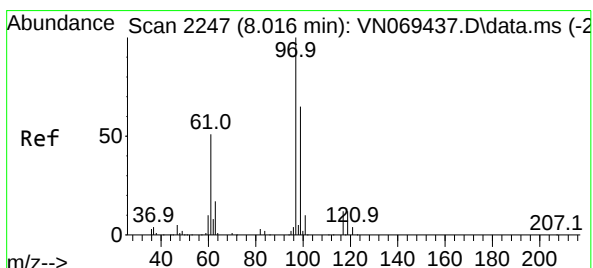
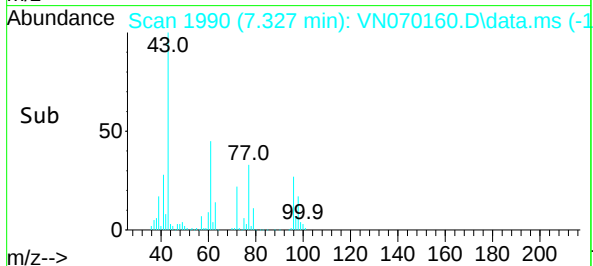
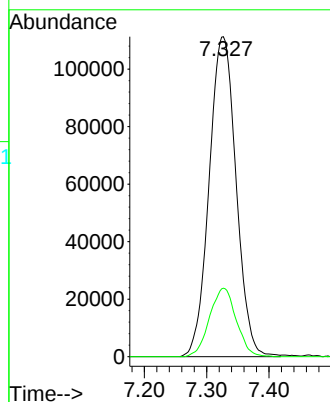
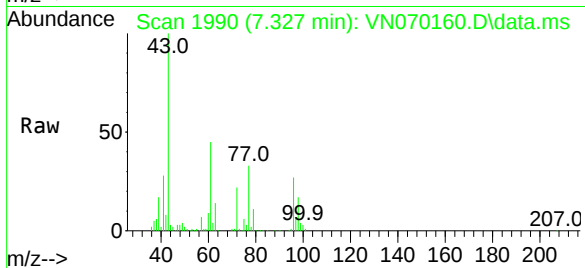
97 21.3 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#32

1,1,1-Trichloroethane

Concen: 17.753 ug/l

RT: 8.016 min Scan# 2247

Delta R.T. 0.003 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

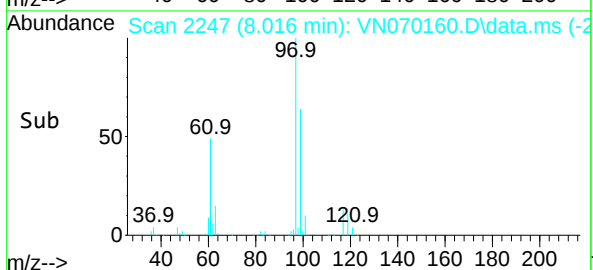
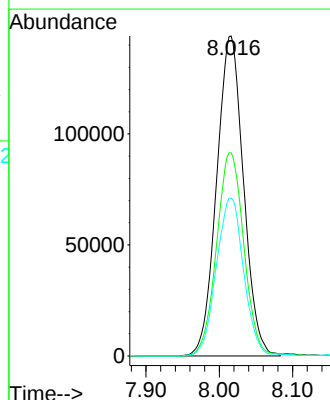
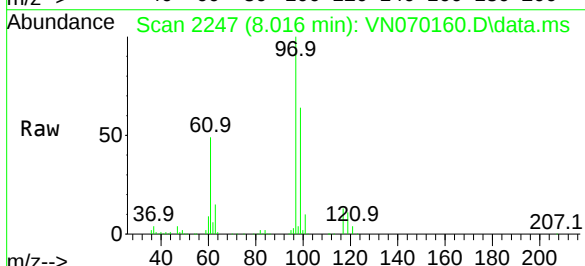
Tgt Ion: 97 Resp: 367089

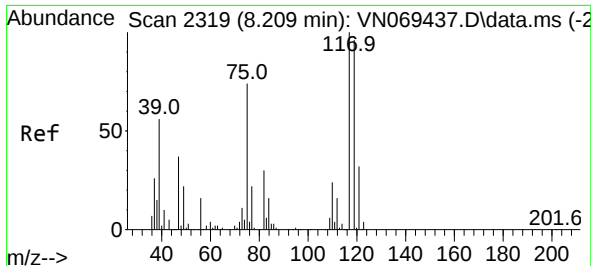
Ion Ratio Lower Upper

97 100

99 64.3 50.4 75.6

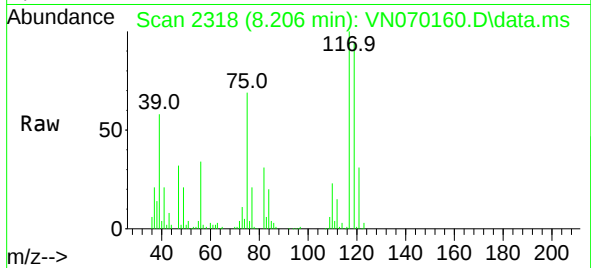
61 50.2 34.6 51.8





#33
Carbon Tetrachloride
Concen: 16.314 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

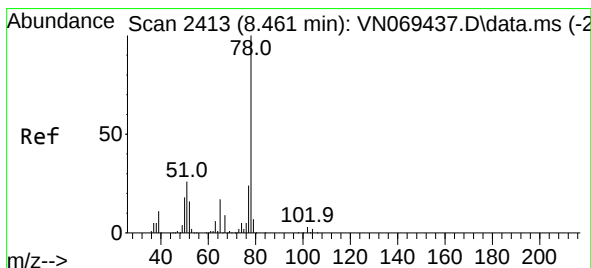
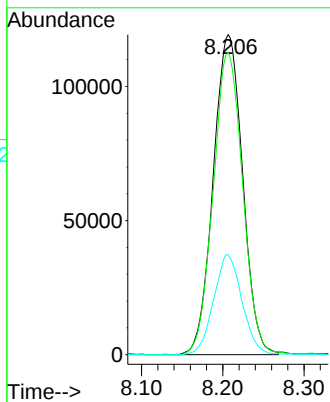
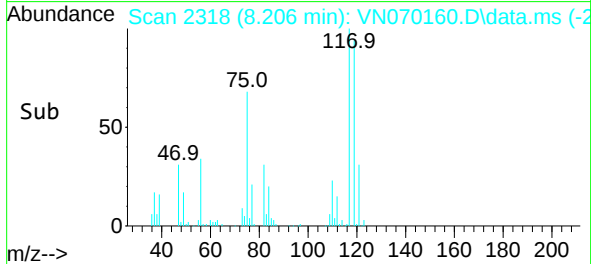
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 117 Resp: 29984
Ion Ratio Lower Upper
117 100
119 94.3 77.5 116.3
121 31.3 23.5 35.3

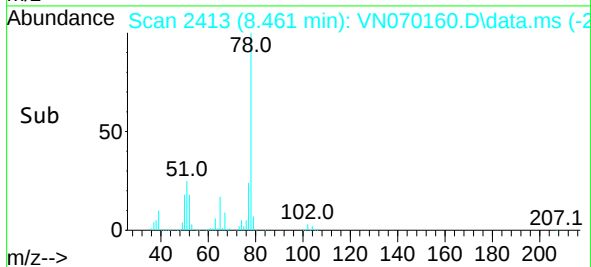
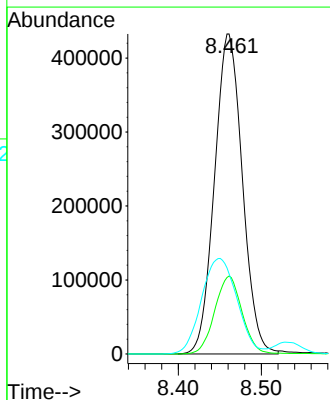
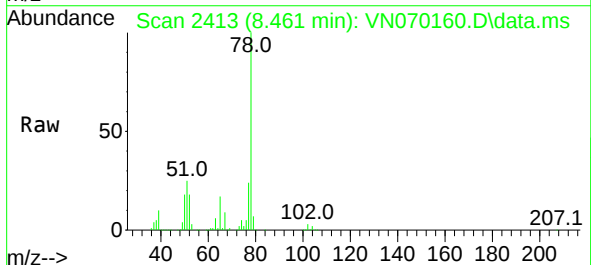
Manual Integrations
APPROVED

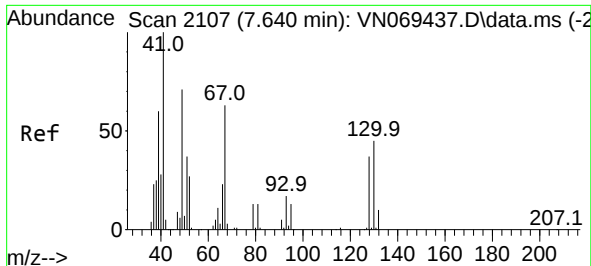
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#34
Benzene
Concen: 19.088 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

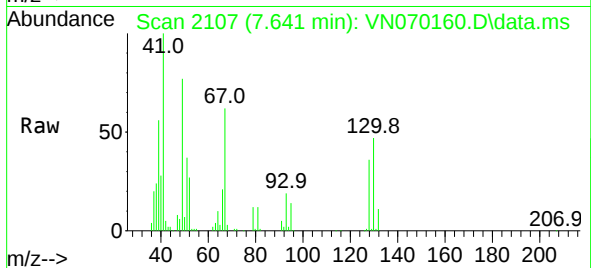
Tgt Ion: 78 Resp: 1007503
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7
51 24.4 16.0 24.0#





#35
Methacrylonitrile
Concen: 21.971 ug/l
RT: 7.641 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

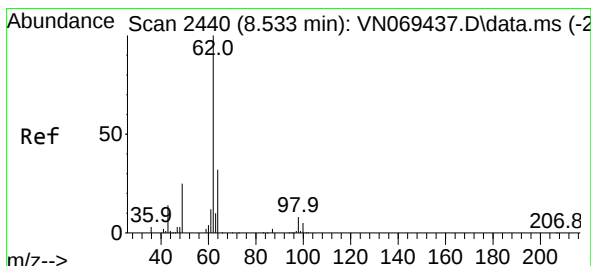
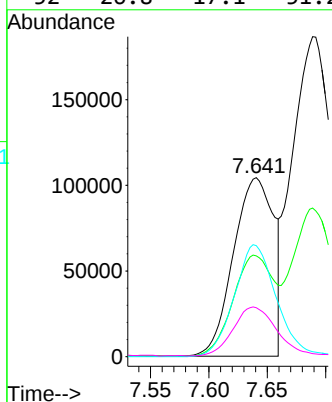
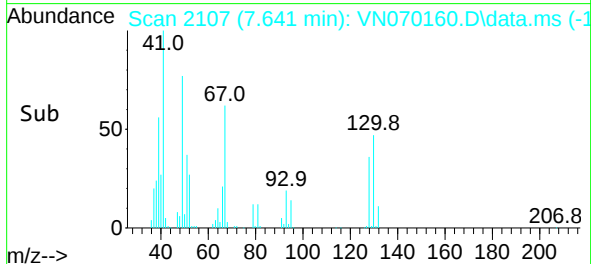
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 41 Resp: 24964
Ion Ratio Lower Upper
41 100
39 56.0 28.0 83.9
67 62.2 37.7 113.1
52 26.8 17.1 51.2

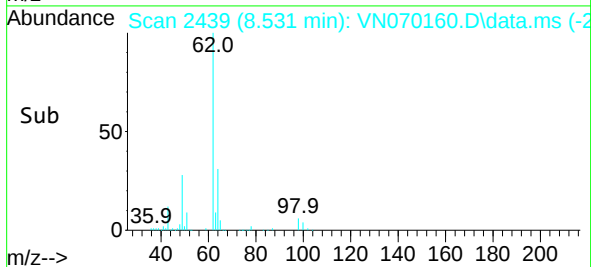
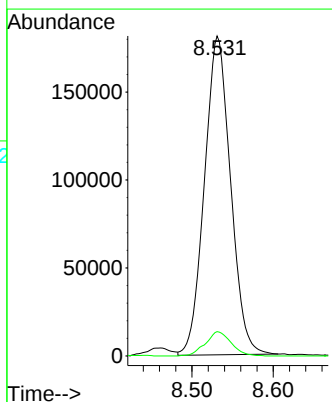
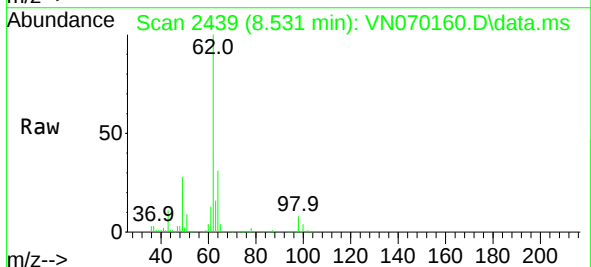
Manual Integrations
APPROVED

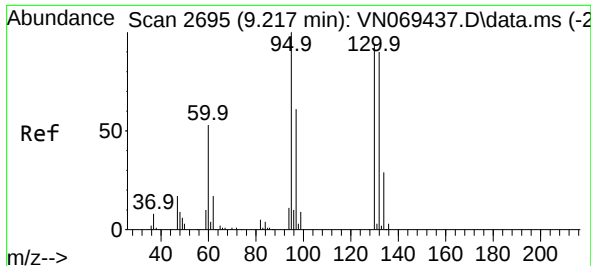
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#36
1,2-Dichloroethane
Concen: 19.401 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

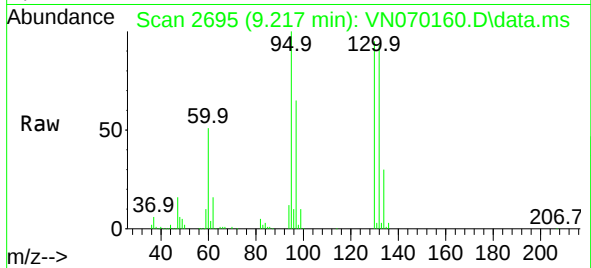
Tgt Ion: 62 Resp: 404231
Ion Ratio Lower Upper
62 100
98 7.6 6.6 10.0





#37
Trichloroethene
Concen: 18.182 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

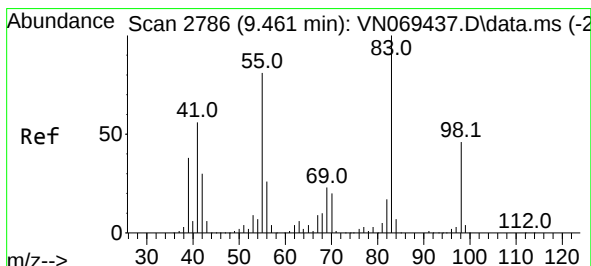
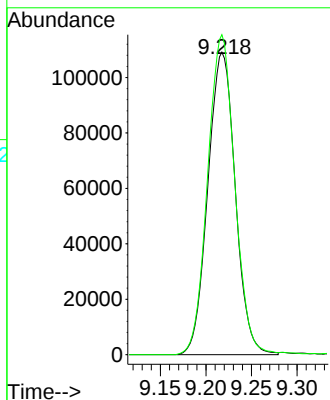
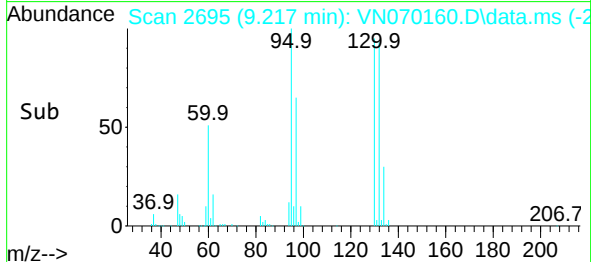
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



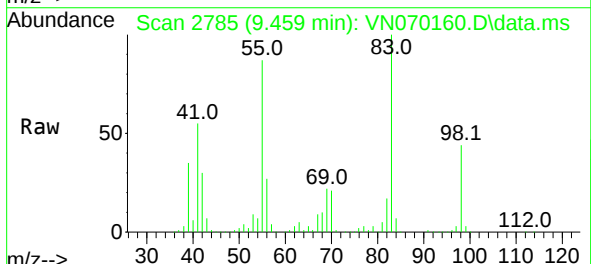
Tgt Ion:130 Resp: 22826
Ion Ratio Lower Upper
130 100
95 105.5 76.6 115.0

Manual Integrations
APPROVED

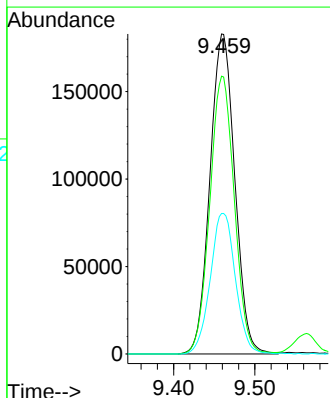
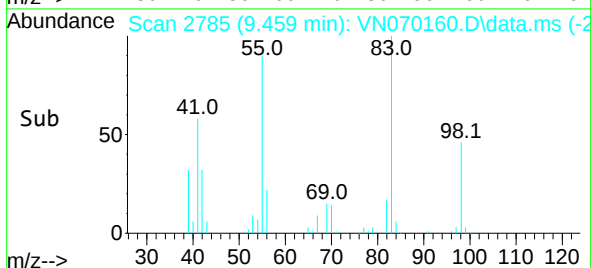
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

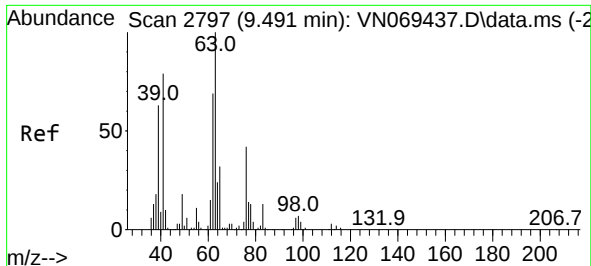


#38
Methylcyclohexane
Concen: 18.343 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



Tgt Ion: 83 Resp: 389271
Ion Ratio Lower Upper
83 100
55 85.8 35.1 105.3
98 44.4 23.4 70.2





#39

1,2-Dichloropropane

Concen: 19.313 ug/l

RT: 9.491 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VN070160.D

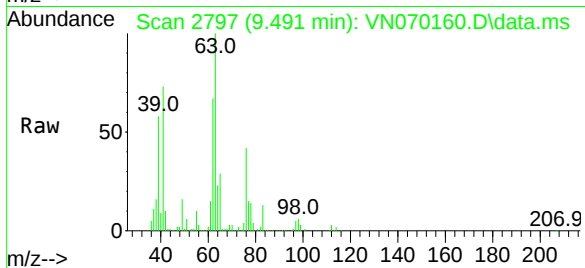
Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01



Tgt Ion: 63 Resp: 271768

Ion Ratio Lower Upper

63 100

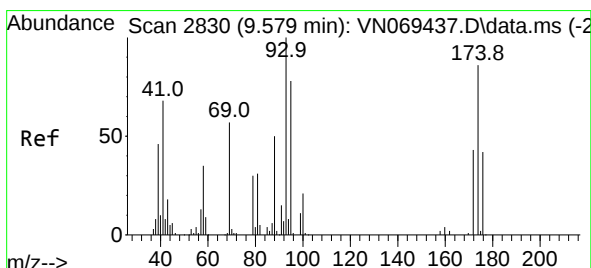
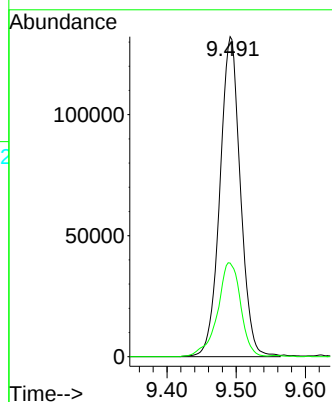
65 29.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#40

Dibromomethane

Concen: 19.110 ug/l

RT: 9.580 min Scan# 2830

Delta R.T. 0.003 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

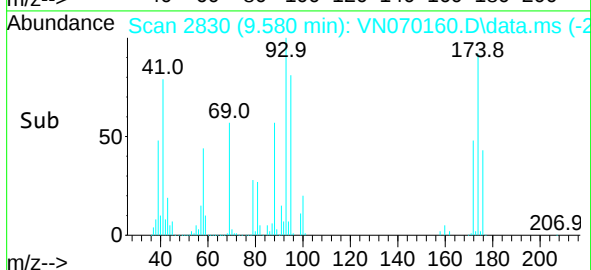
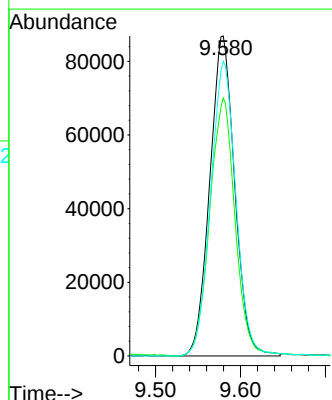
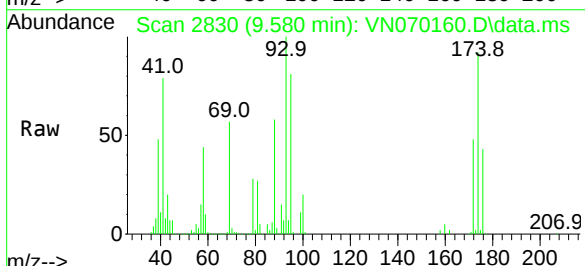
Tgt Ion: 93 Resp: 177384

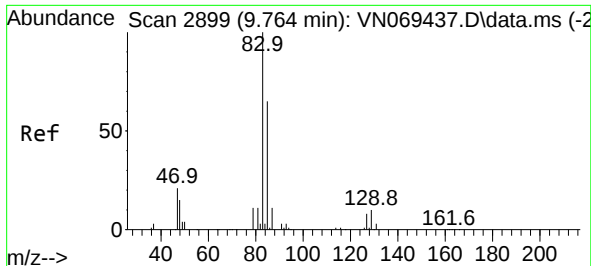
Ion Ratio Lower Upper

93 100

95 81.5 0.0 168.8

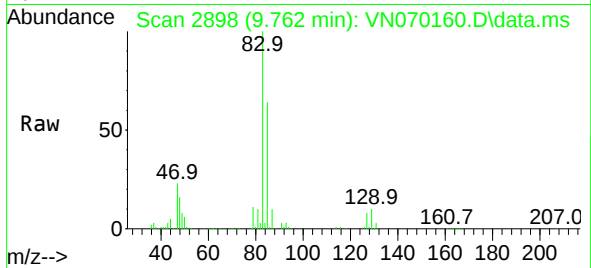
174 93.4 0.0 173.6





#41
Bromodichloromethane
Concen: 16.730 ug/l
RT: 9.762 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

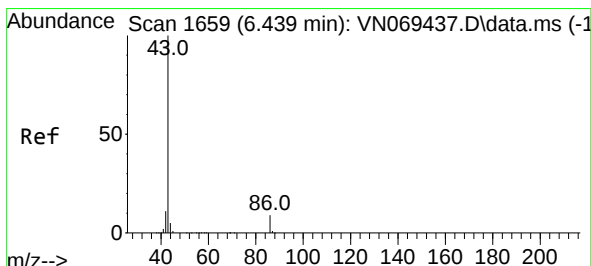
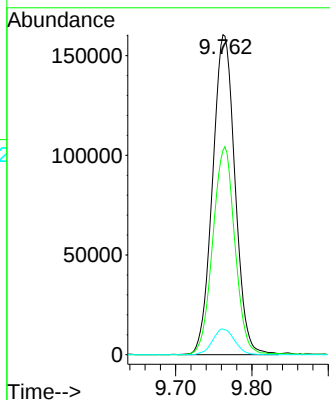
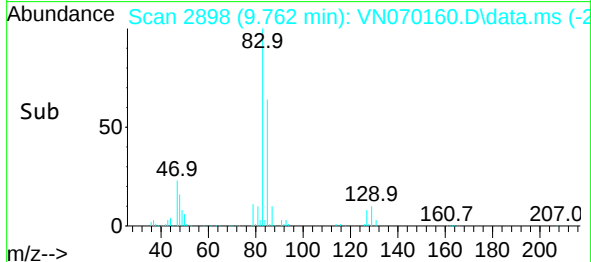
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 83 Resp: 328370
Ion Ratio Lower Upper
83 100
85 63.9 54.1 81.1
127 8.0 7.6 11.4

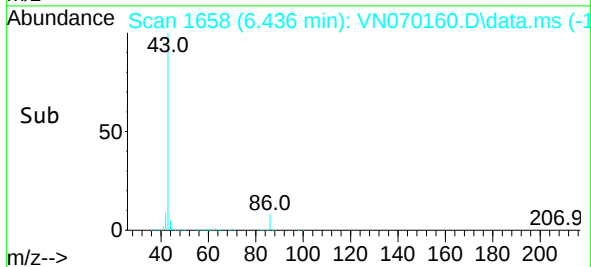
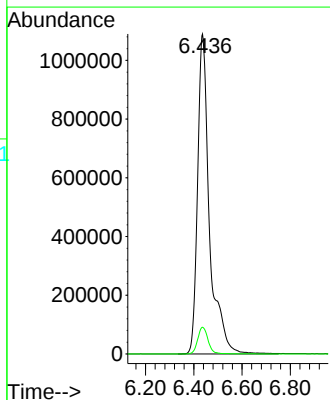
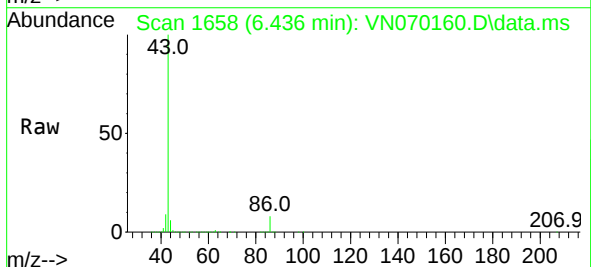
Manual Integrations
APPROVED

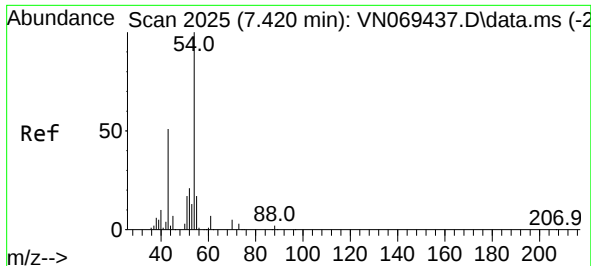
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#42
Vinyl Acetate
Concen: 103.231 ug/l m
RT: 6.436 min Scan# 1658
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

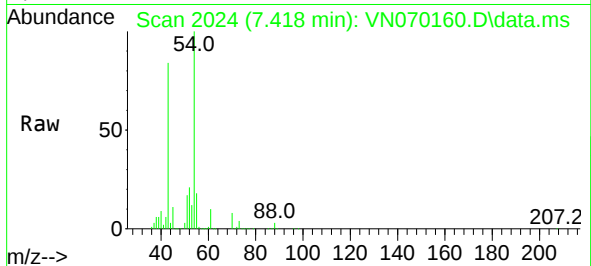
Tgt Ion: 43 Resp: 3724879
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#43
Ethyl Acetate
Concen: 22.258 ug/l
RT: 7.418 min Scan# 2025
Delta R.T. 0.005 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

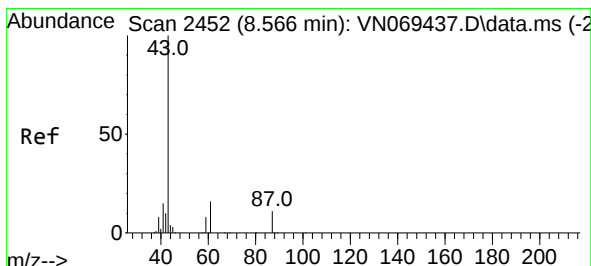
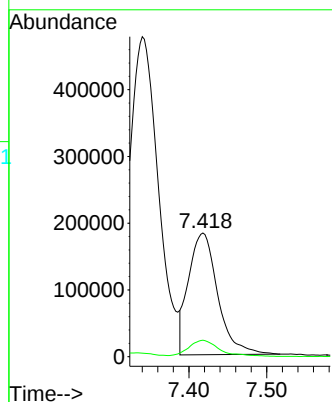
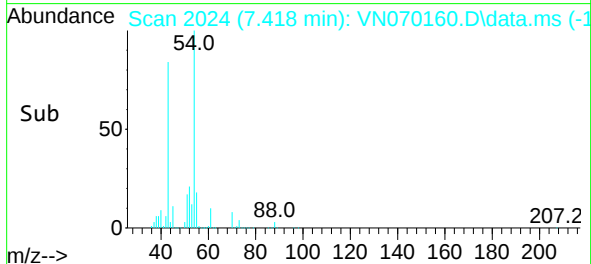
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 43 Resp: 47489
Ion Ratio Lower Upper
43 100
45 14.0 10.6 16.0

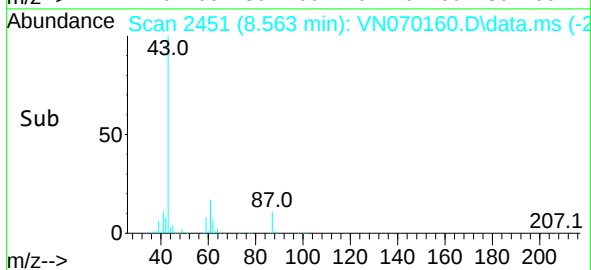
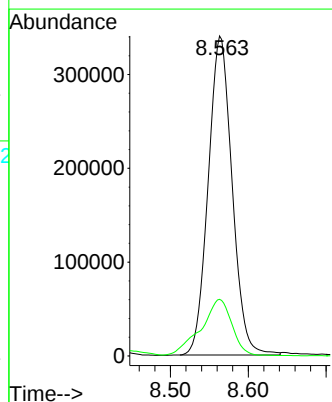
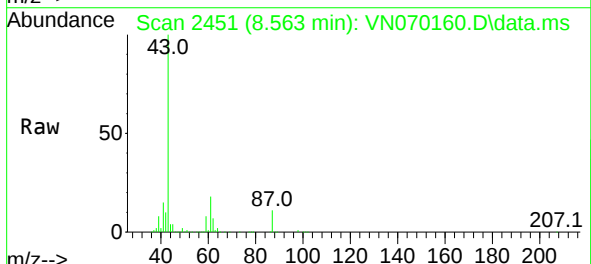
Manual Integrations
APPROVED

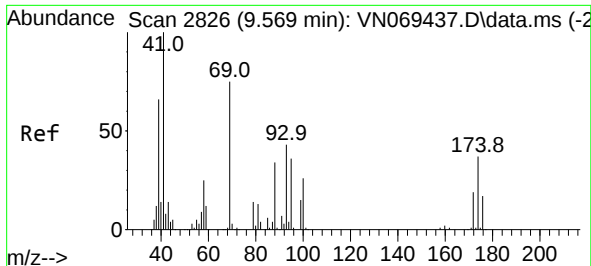
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#44
Isopropyl Acetate
Concen: 21.112 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

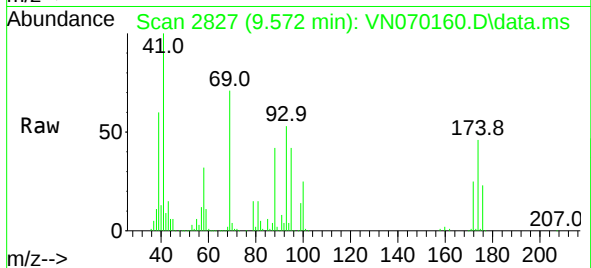
Tgt Ion: 43 Resp: 725033
Ion Ratio Lower Upper
43 100
61 22.9 20.1 30.1





#45
1,4-Dioxane
Concen: 518.734 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

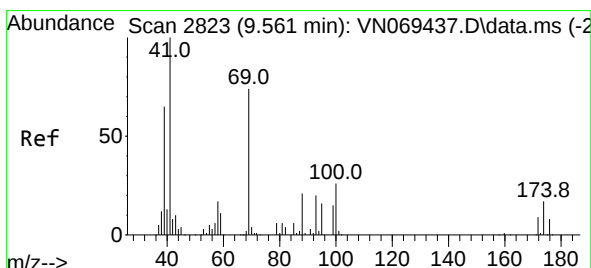
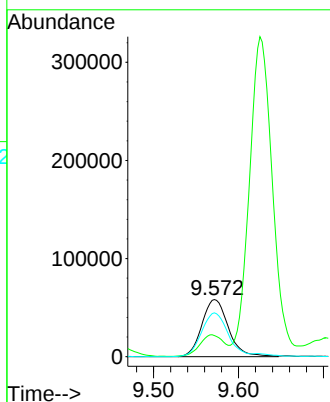
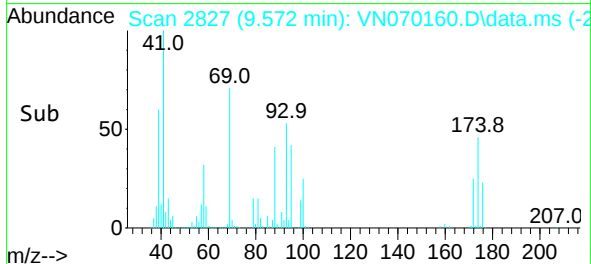
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



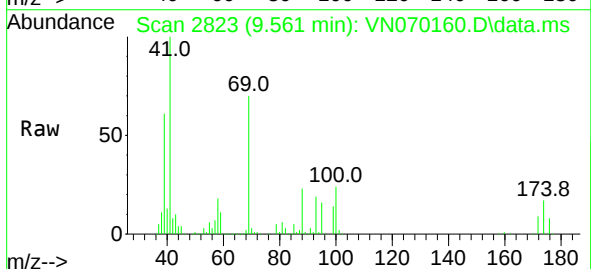
Tgt Ion: 88 Resp: 126060
Ion Ratio Lower Upper
88 100
43 34.8 25.0 37.6
58 76.7 49.4 74.2

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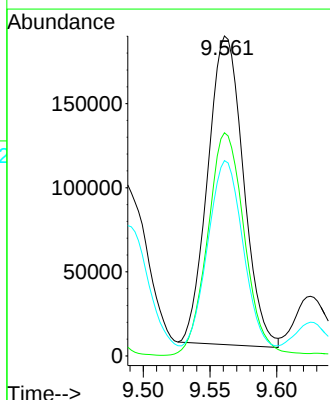
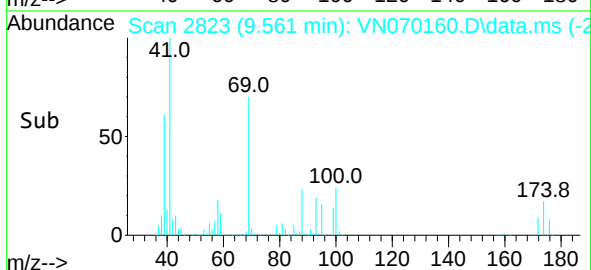
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

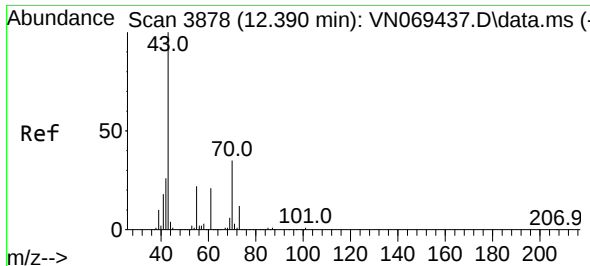


#46
Methyl methacrylate
Concen: 20.900 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



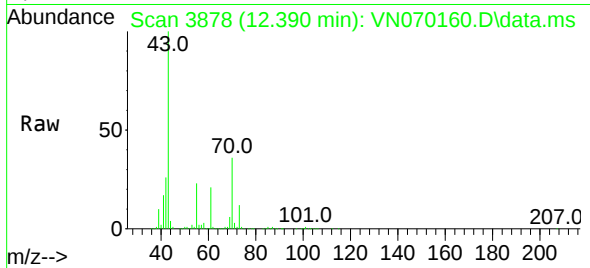
Tgt Ion: 41 Resp: 339932
Ion Ratio Lower Upper
41 100
69 71.8 44.4 133.2
39 60.6 39.9 119.6





#47
n-amy1 Acetate
Concen: 20.064 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

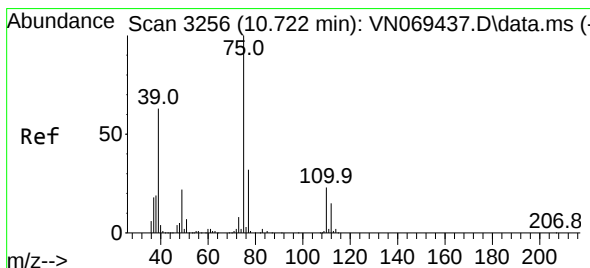
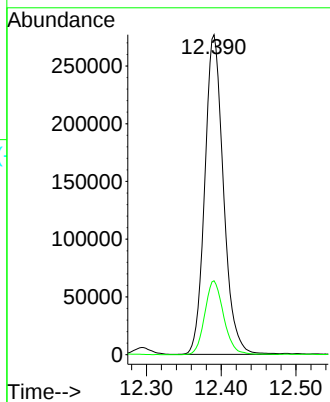
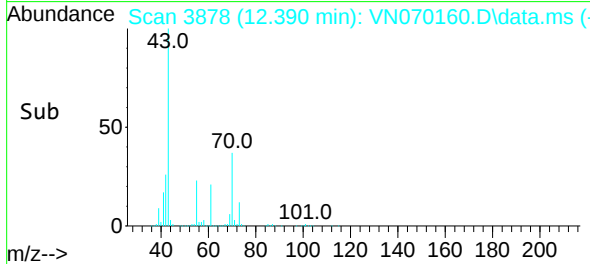
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



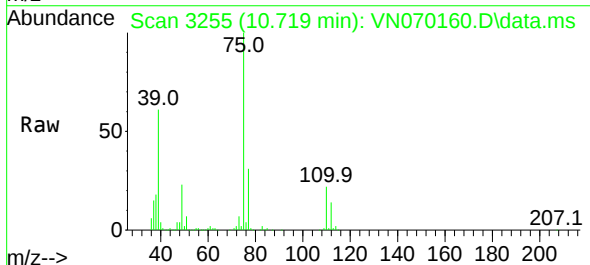
Tgt Ion: 43 Resp: 480510
Ion Ratio Lower Upper
43 100
55 23.4 19.0 28.6

Manual Integrations
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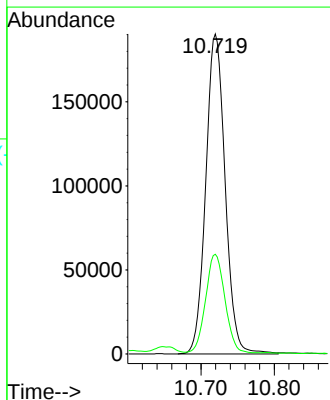
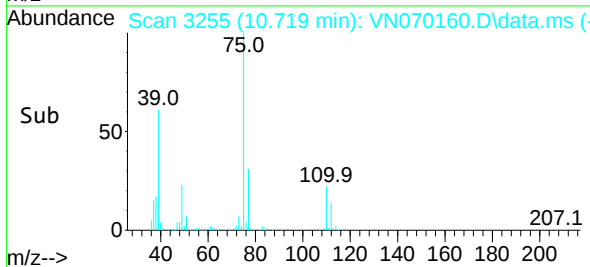
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

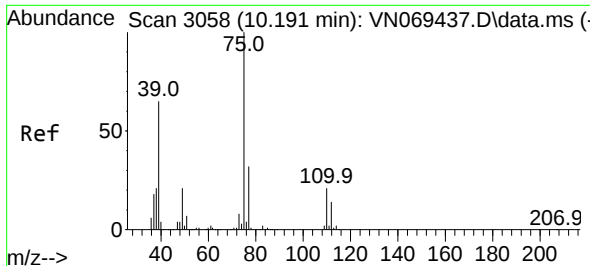


#48
t-1,3-Dichloropropene
Concen: 17.734 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



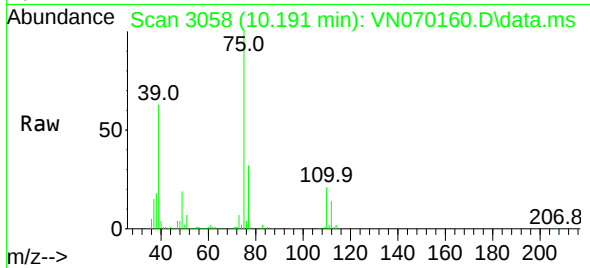
Tgt Ion: 75 Resp: 350090
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 17.963 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.003 min
 Lab File: VN070160.D
 Acq: 17 Dec 2021 13:25

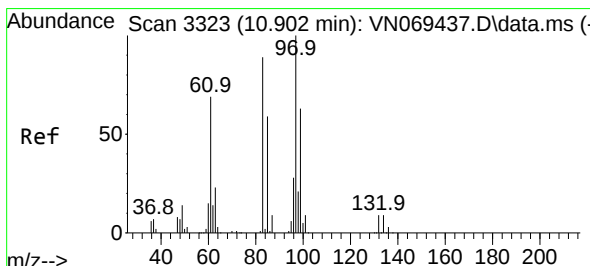
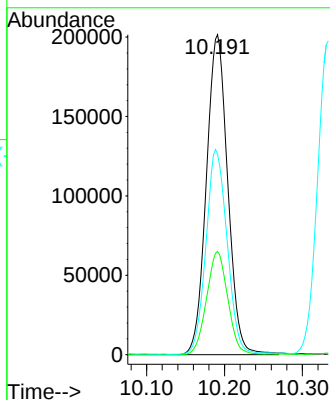
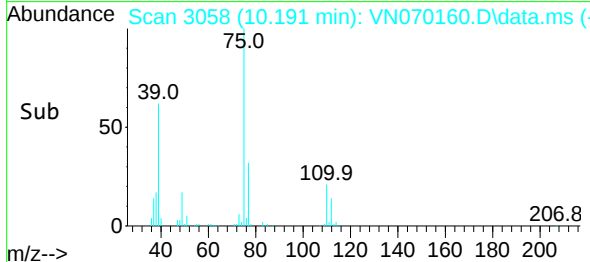
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01



Tgt Ion: 75 Resp: 38484
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.3 37.9
 39 62.5 46.2 69.4

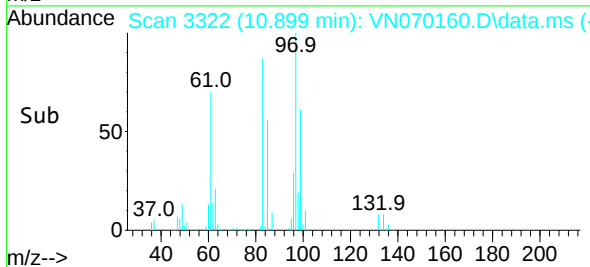
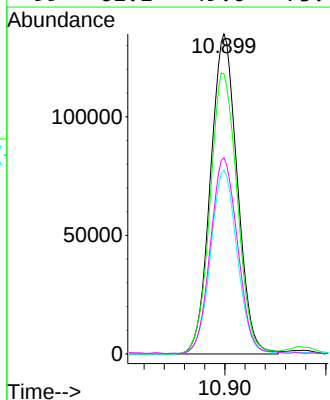
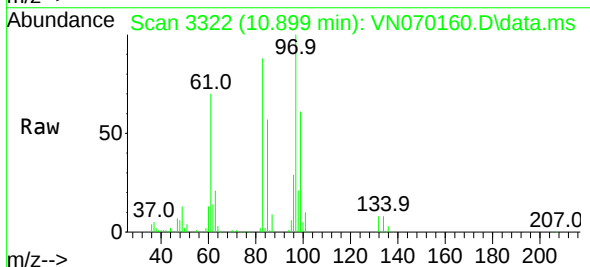
Manual Integrations
 APPROVED

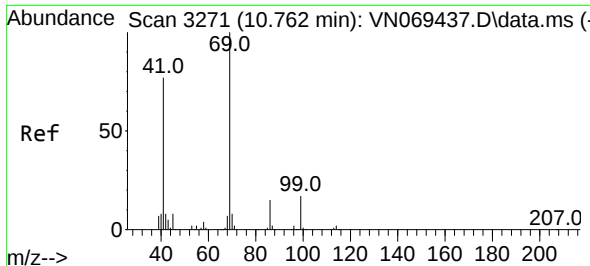
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#50
 1,1,2-Trichloroethane
 Concen: 19.668 ug/l
 RT: 10.899 min Scan# 3322
 Delta R.T. 0.000 min
 Lab File: VN070160.D
 Acq: 17 Dec 2021 13:25

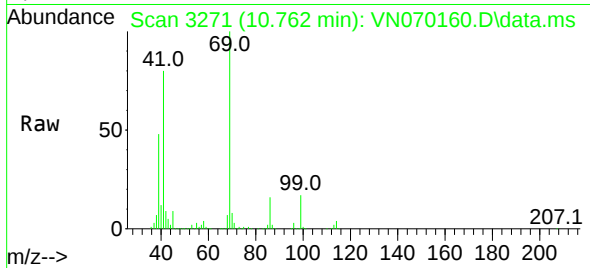
Tgt Ion: 97 Resp: 248149
 Ion Ratio Lower Upper
 97 100
 83 87.5 67.2 100.8
 85 57.4 43.0 64.4
 99 61.1 49.0 73.4





#51
Ethyl methacrylate
Concen: 20.419 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

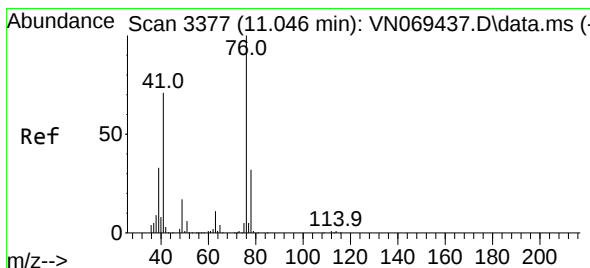
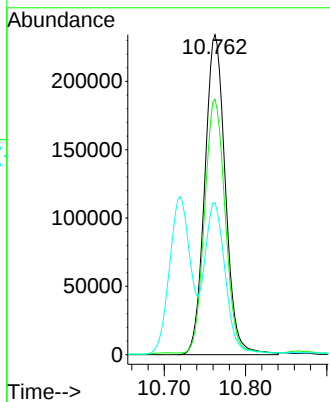
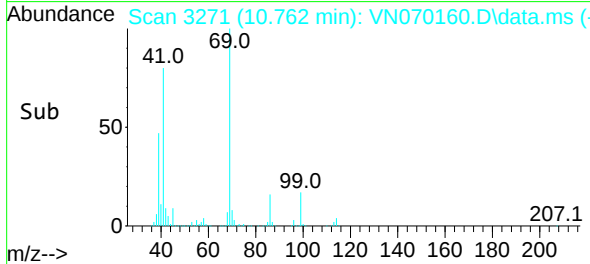
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 69 Resp: 41176
Ion Ratio Lower Upper
69 100
41 79.2 33.0 98.9
39 46.8 25.4 76.4

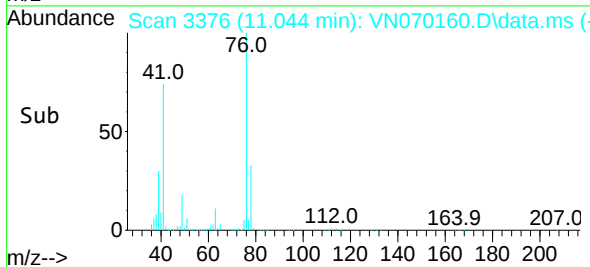
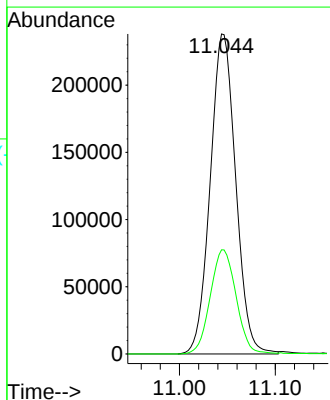
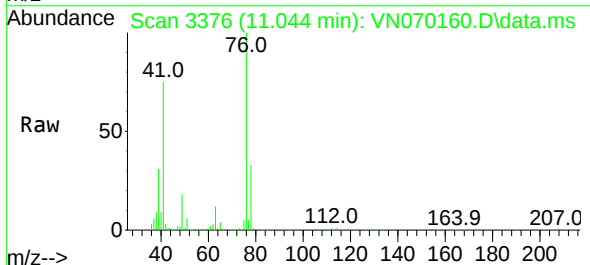
Manual Integrations
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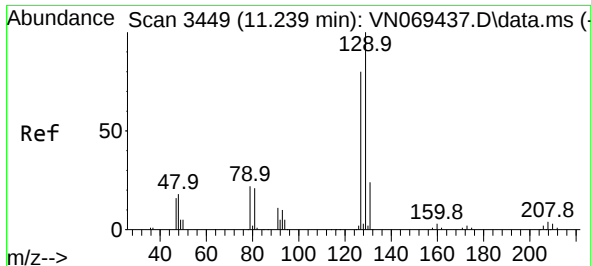
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#52
1,3-Dichloropropane
Concen: 19.654 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 76 Resp: 439068
Ion Ratio Lower Upper
76 100
78 33.0 0.0 65.4





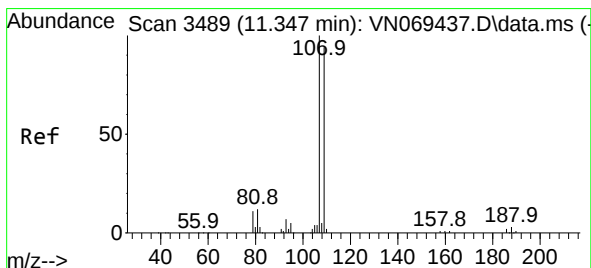
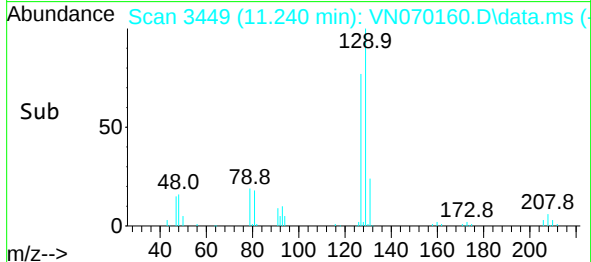
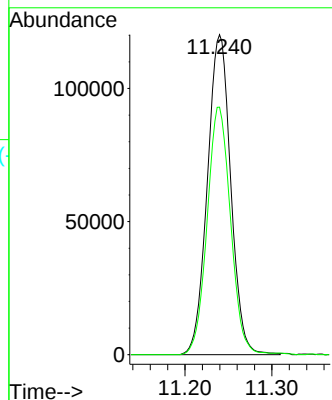
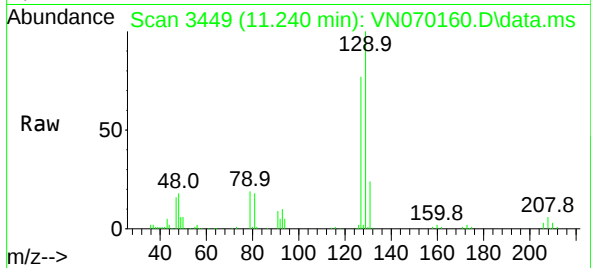
#53
Dibromochloromethane
Concen: 15.836 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:129 Resp: 22444
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0

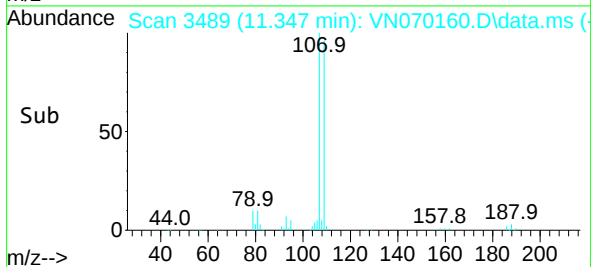
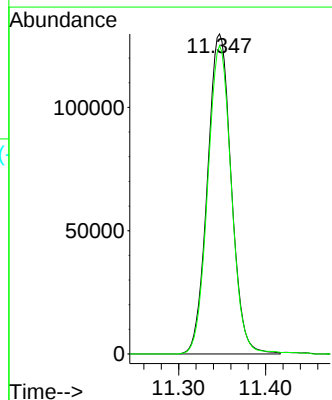
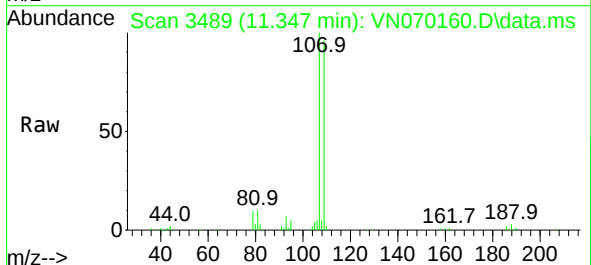
Manual Integrations
APPROVED

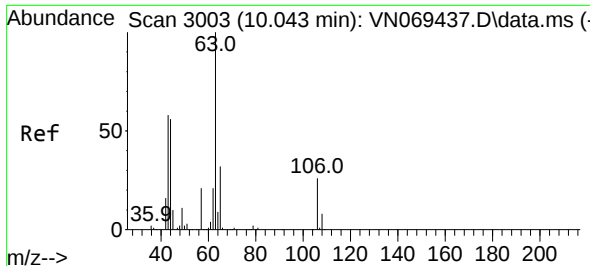
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#54
1,2-Dibromoethane
Concen: 19.214 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

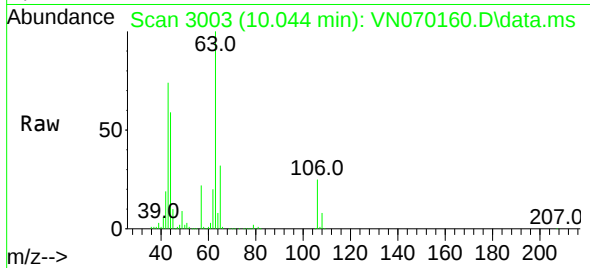
Tgt Ion:107 Resp: 246999
Ion Ratio Lower Upper
107 100
109 95.3 72.8 109.2





#55
2-Chloroethyl vinyl ether
Concen: 122.196 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

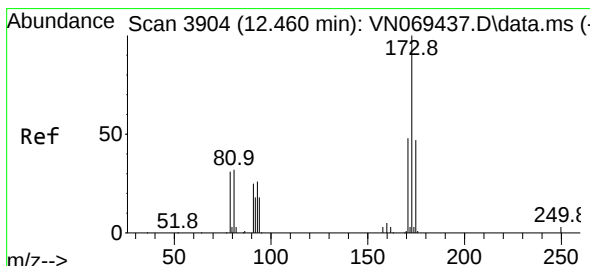
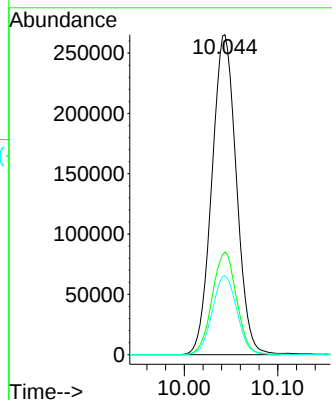
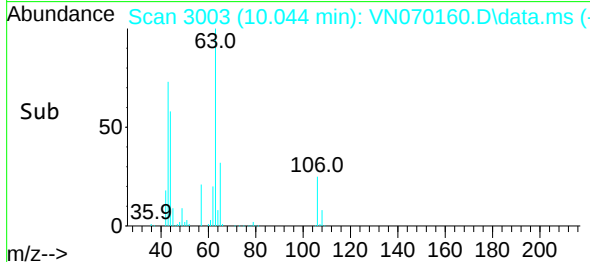
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 63 Resp: 483062
Ion Ratio Lower Upper
63 100
65 32.0 25.4 38.0
106 24.8 23.2 34.8

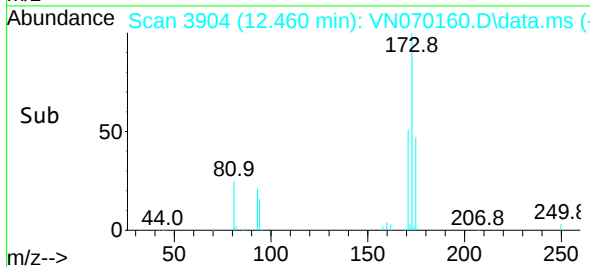
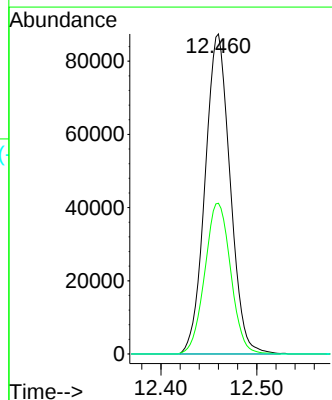
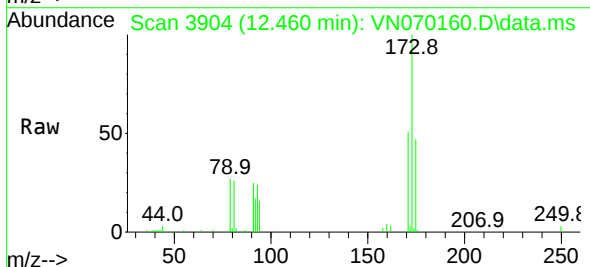
Manual Integrations
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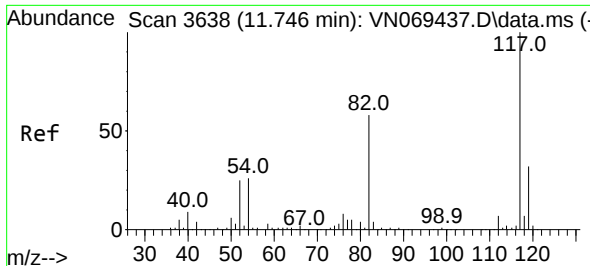
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#56
Bromoform
Concen: 14.730 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion:173 Resp: 158947
Ion Ratio Lower Upper
173 100
175 48.7 38.6 58.0
254 0.0 0.0 0.0





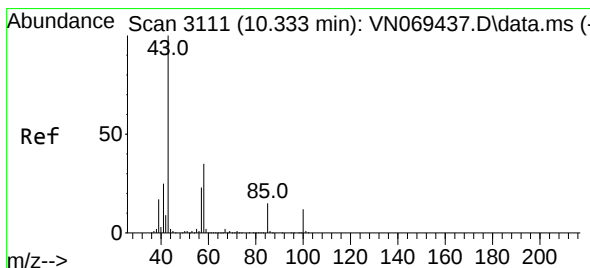
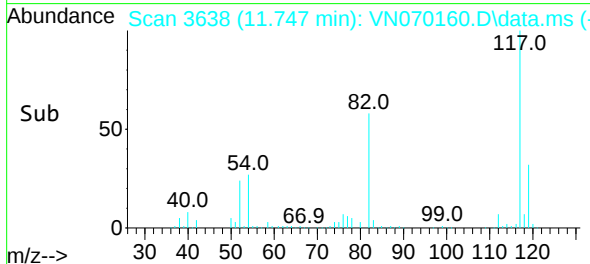
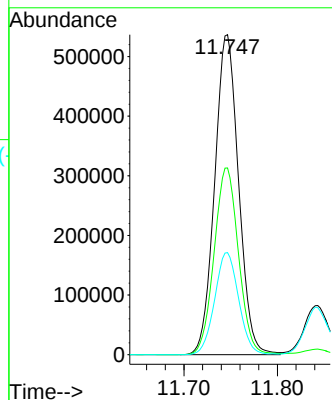
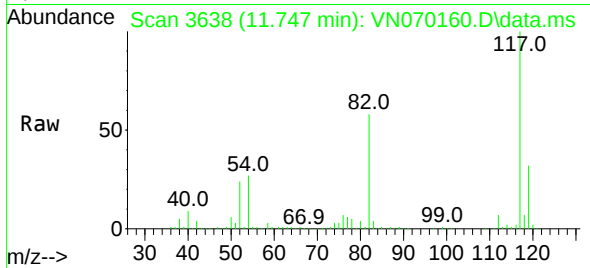
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:117 Resp: 955304
Ion Ratio Lower Upper
117 100
82 59.6 43.6 65.4
119 32.0 25.8 38.6

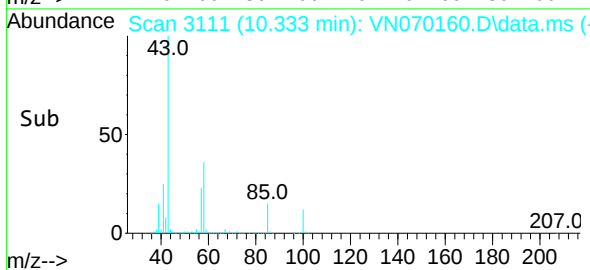
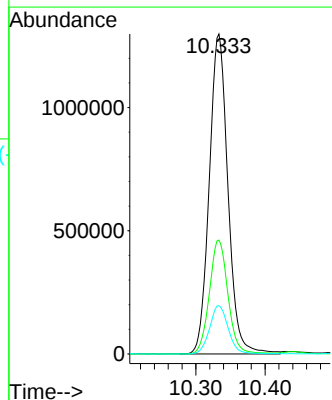
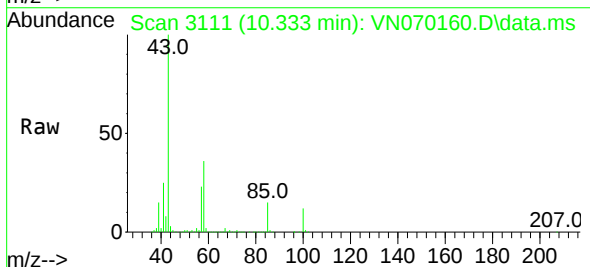
Manual Integrations
APPROVED

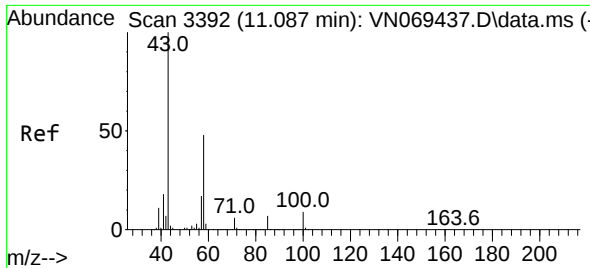
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#58
4-Methyl-2-Pentanone
Concen: 110.960 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

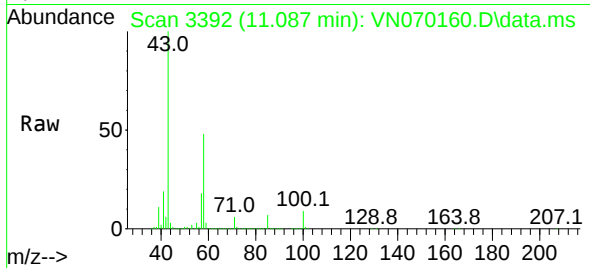
Tgt Ion: 43 Resp: 2432940
Ion Ratio Lower Upper
43 100
58 35.4 30.0 45.0
85 15.2 15.0 22.6





#59
2-Hexanone
Concen: 109.001 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

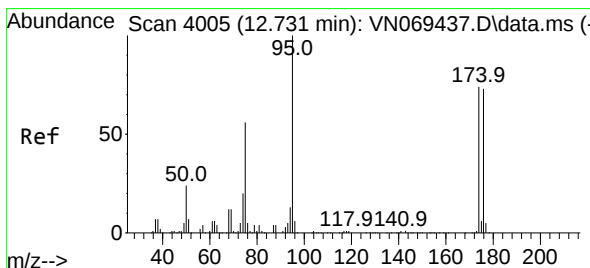
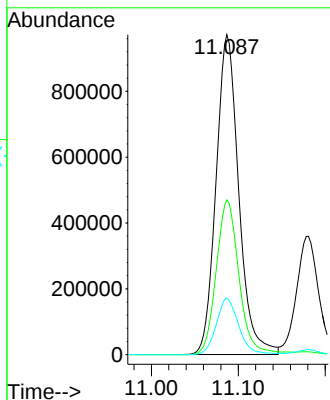
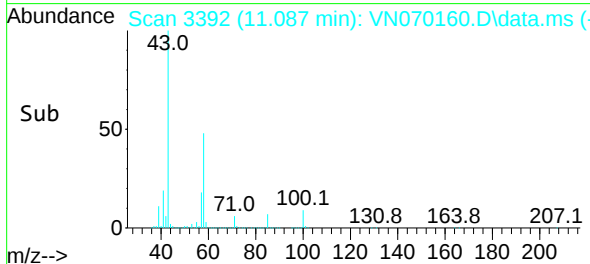
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 43 Resp: 1766890
Ion Ratio Lower Upper
43 100
58 48.4 42.2 63.2
57 17.5 15.0 22.4

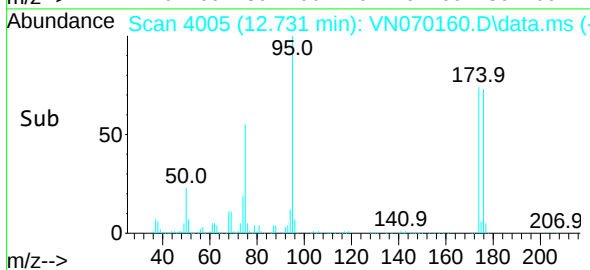
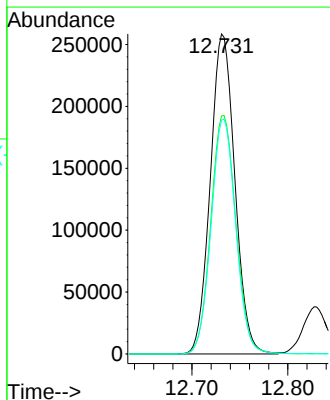
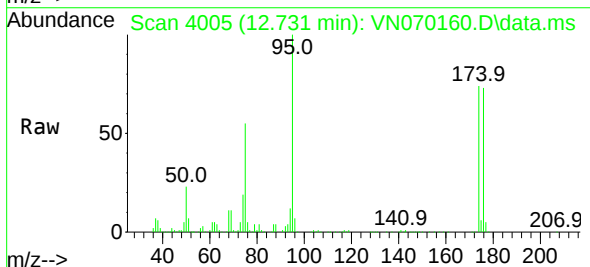
Manual Integrations
APPROVED

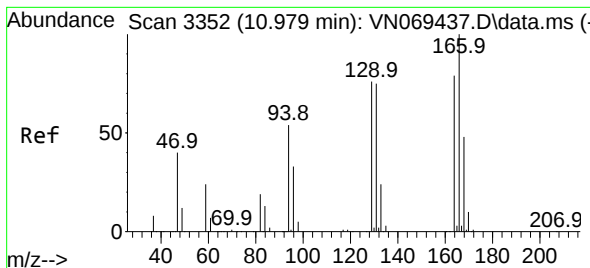
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#60
4-Bromofluorobenzene
Concen: 29.258 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

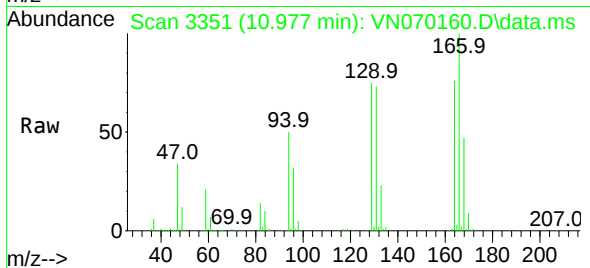
Tgt Ion: 95 Resp: 459912
Ion Ratio Lower Upper
95 100
174 76.2 62.9 94.3
176 73.6 61.0 91.4





#61
Tetrachloroethene
Concen: 18.822 ug/l
RT: 10.977 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

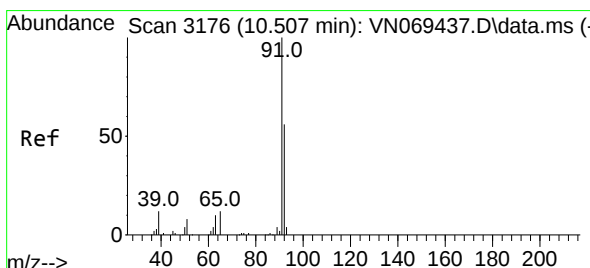
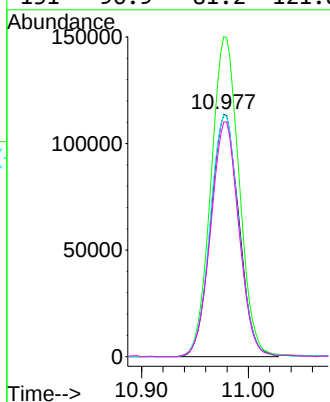
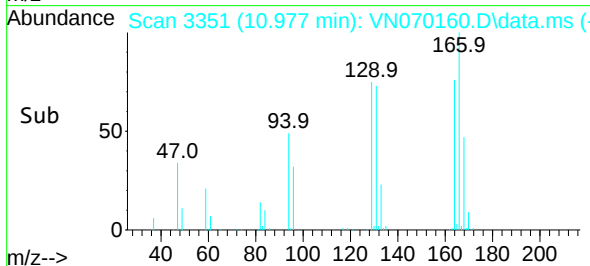
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion:164 Resp: 210004
Ion Ratio Lower Upper
164 100
166 131.9 105.8 158.8
129 99.6 82.5 123.7
131 96.9 81.2 121.8

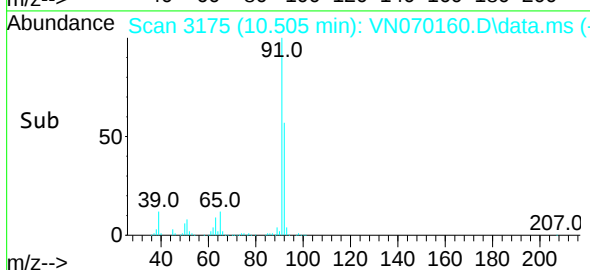
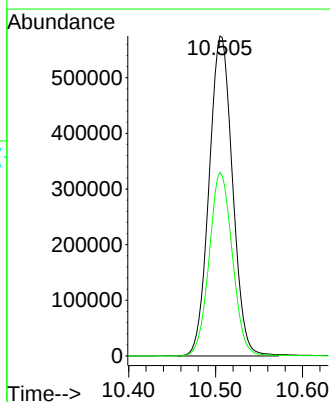
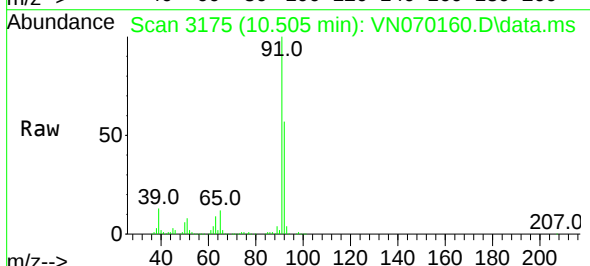
Manual Integrations
APPROVED

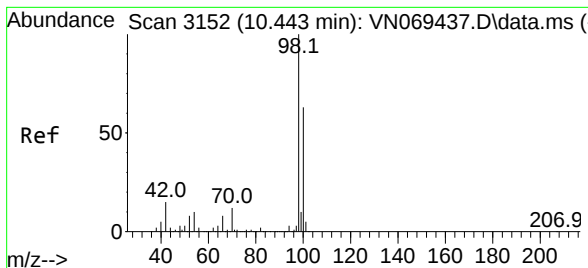
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#62
Toluene
Concen: 19.128 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

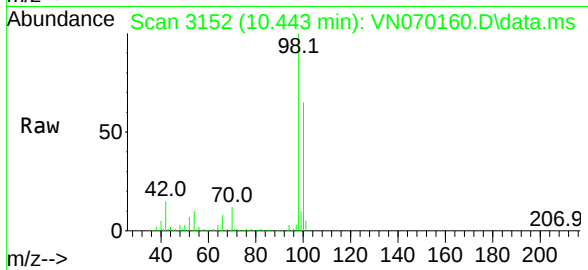
Tgt Ion: 91 Resp: 1074639
Ion Ratio Lower Upper
91 100
92 57.0 44.6 67.0





#63
Toluene-d8
Concen: 30.329 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

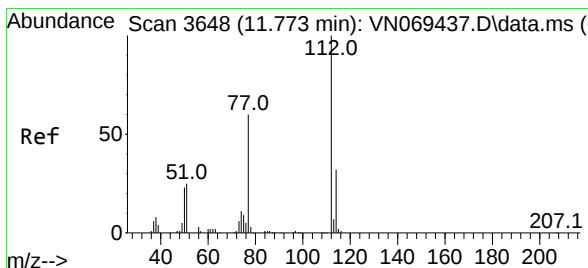
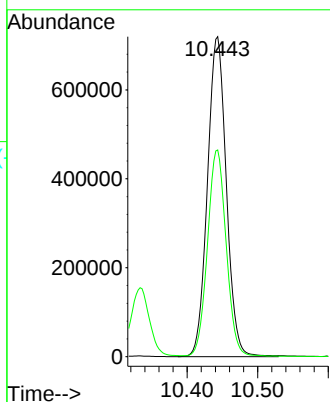
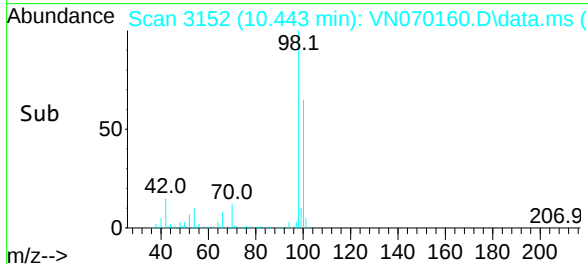
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



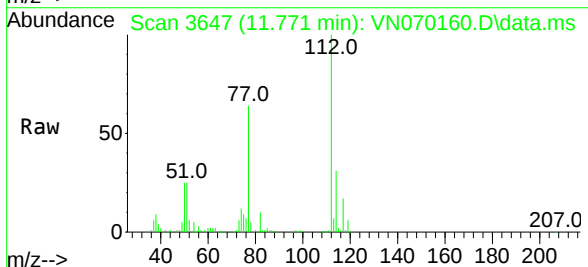
Tgt Ion: 98 Resp: 1338930
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0

Manual Integrations
APPROVED

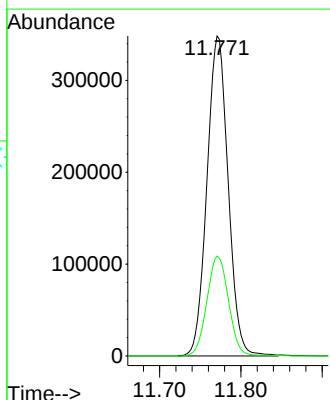
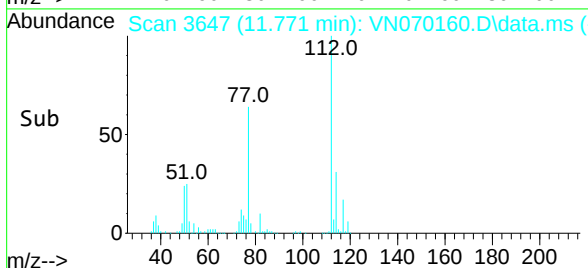
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

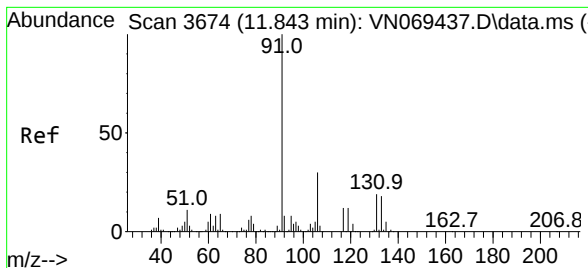


#64
Chlorobenzene
Concen: 18.894 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



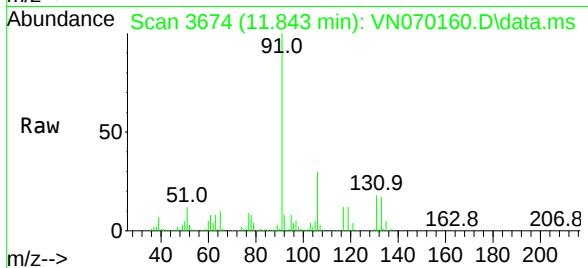
Tgt Ion:112 Resp: 629982
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 17.492 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

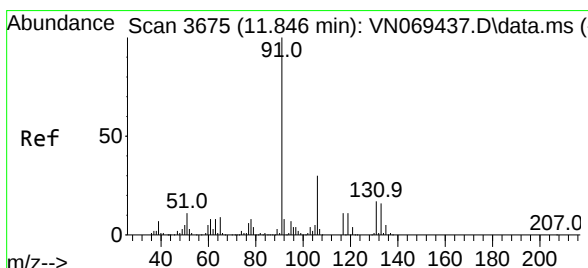
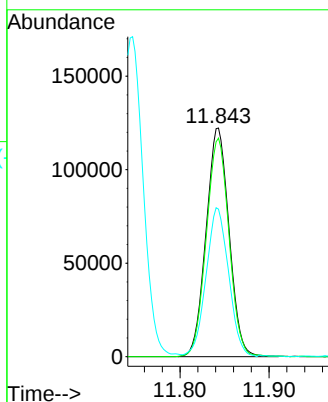
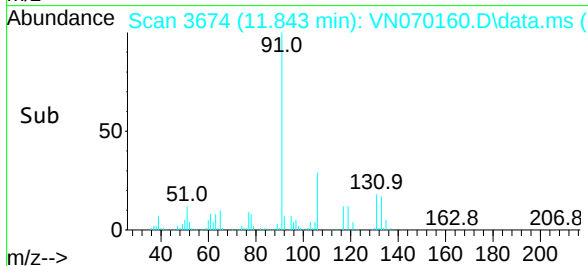
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



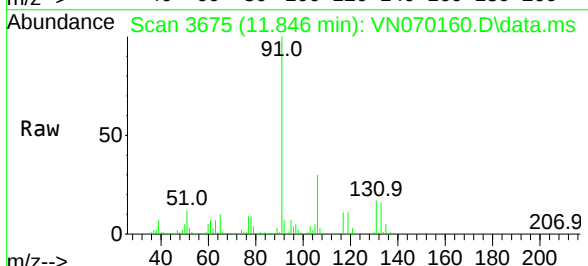
Tgt Ion:131 Resp: 219672
Ion Ratio Lower Upper
131 100
133 94.3 0.0 191.2
119 64.0 0.0 128.8

Manual Integrations
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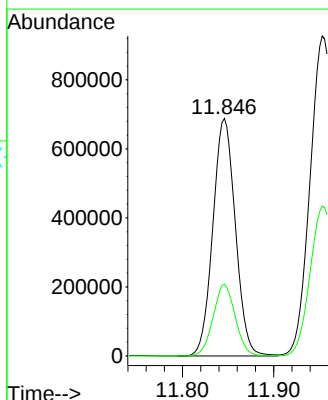
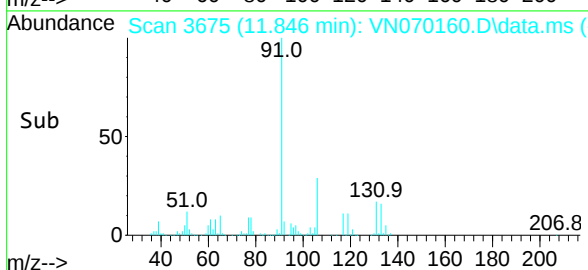
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

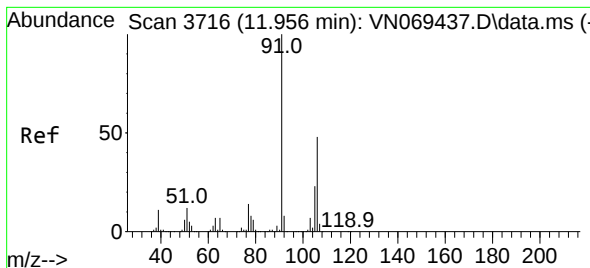


#66
Ethyl Benzene
Concen: 18.903 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



Tgt Ion: 91 Resp: 1180688
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0





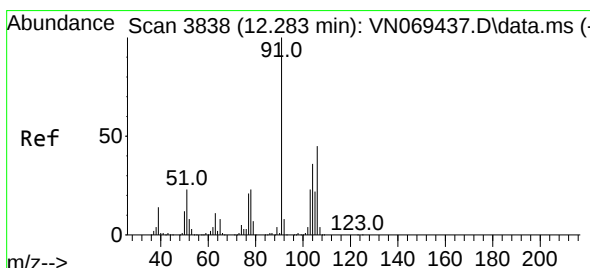
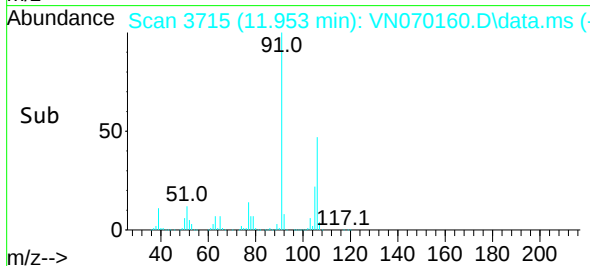
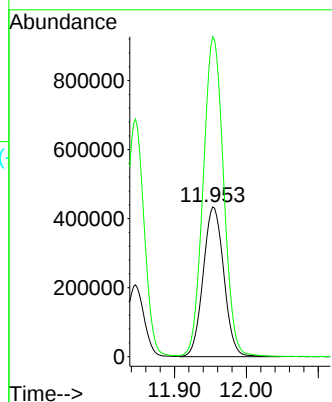
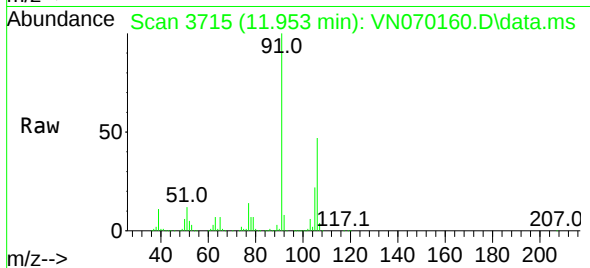
#67
m/p-Xylenes
Concen: 38.044 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:106 Resp: 868154
Ion Ratio Lower Upper
106 100
91 211.3 162.9 244.3

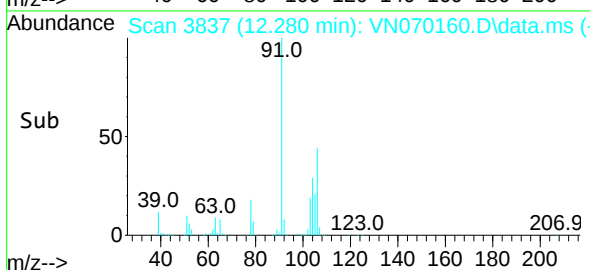
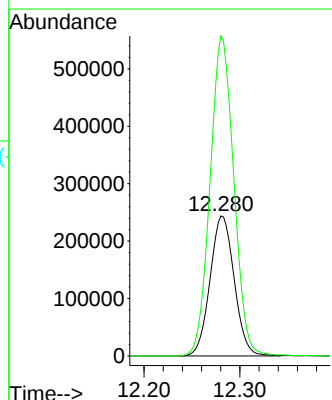
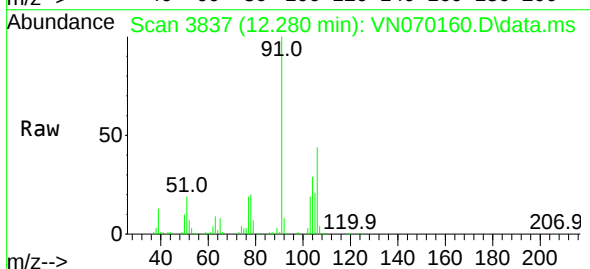
Manual Integrations
APPROVED

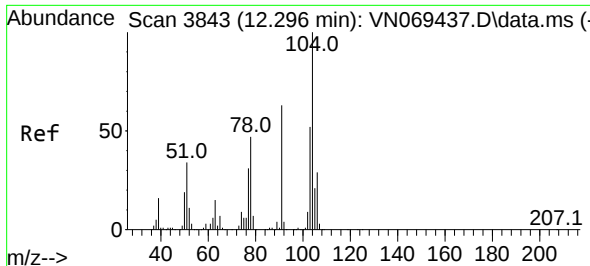
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#68
o-Xylene
Concen: 18.889 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

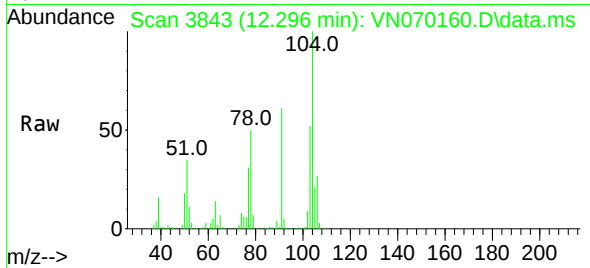
Tgt Ion:106 Resp: 426482
Ion Ratio Lower Upper
106 100
91 224.1 107.7 323.1





#69
Styrene
Concen: 18.353 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

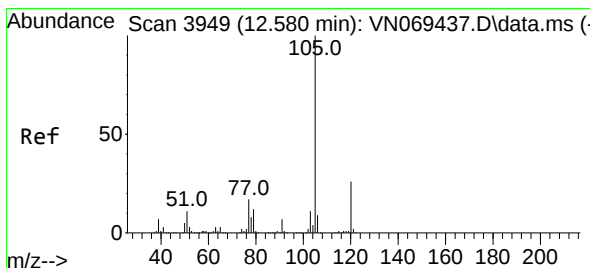
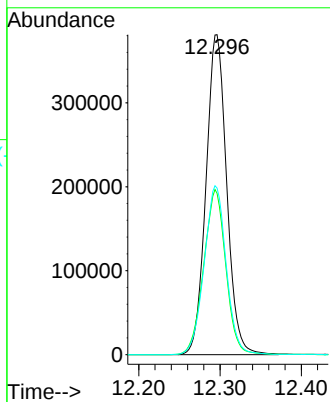
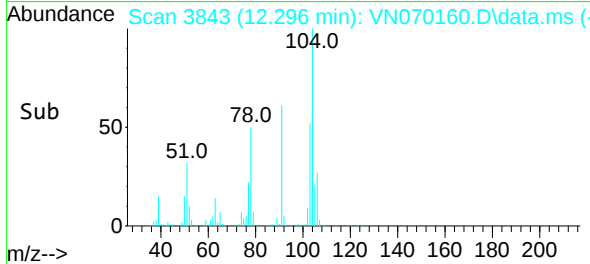
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion:104 Resp: 675415
Ion Ratio Lower Upper
104 100
78 55.0 40.7 61.1
103 56.3 45.8 68.8

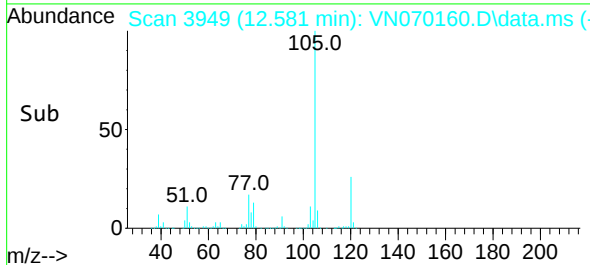
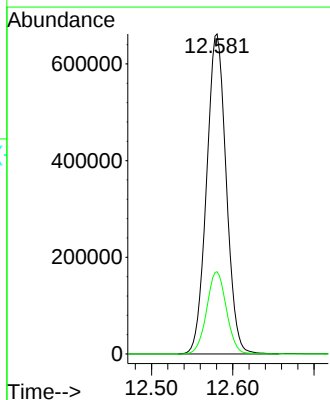
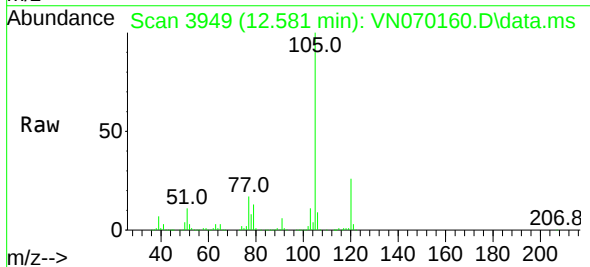
Manual Integrations
APPROVED

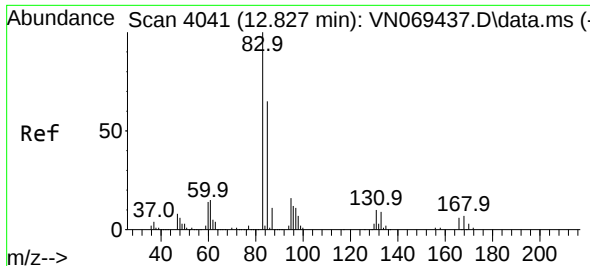
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#70
Isopropylbenzene
Concen: 18.786 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

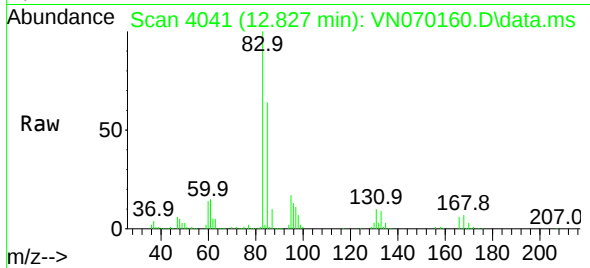
Tgt Ion:105 Resp: 1112879
Ion Ratio Lower Upper
105 100
120 25.8 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 19.965 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

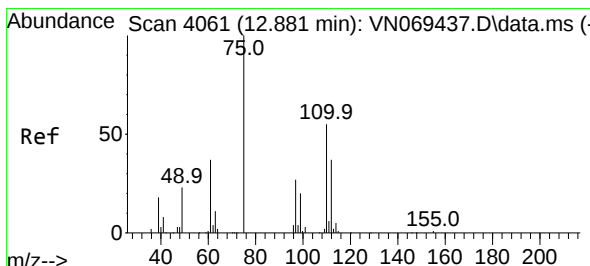
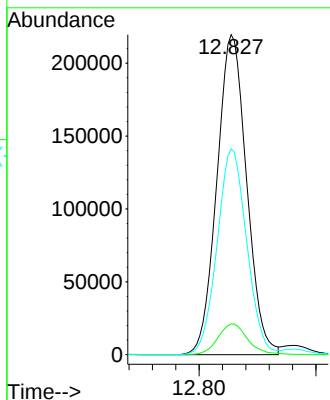
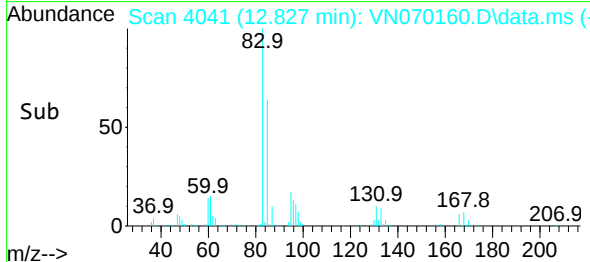
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 83 Resp: 38790
Ion Ratio Lower Upper
83 100
131 9.7 5.1 15.3
85 63.9 33.1 99.2

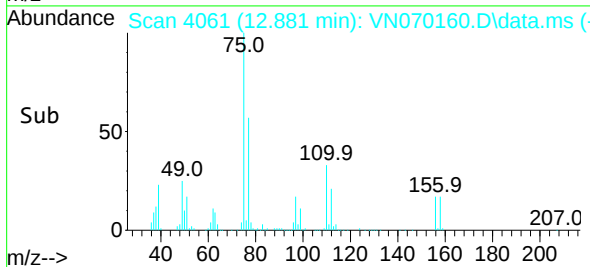
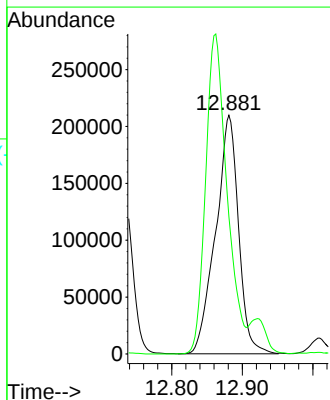
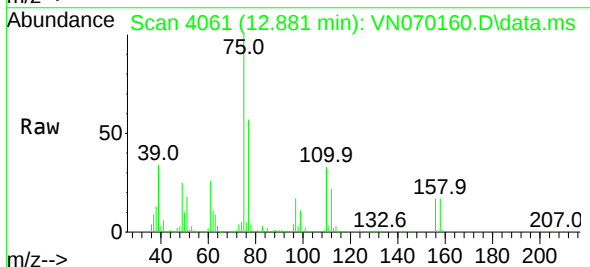
Manual Integrations
APPROVED

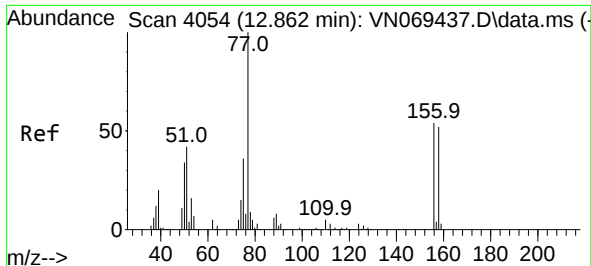
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#72
1,2,3-Trichloropropane
Concen: 26.141 ug/l
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

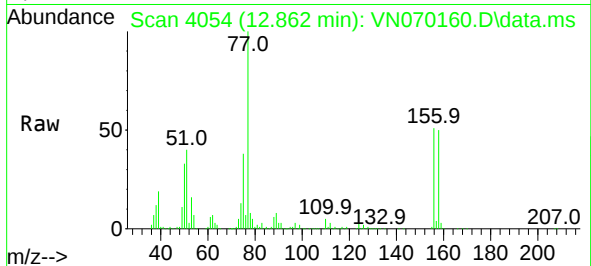
Tgt Ion: 75 Resp: 472620
Ion Ratio Lower Upper
75 100
77 125.0 0.0 378.0





#73
Bromobenzene
Concen: 18.661 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

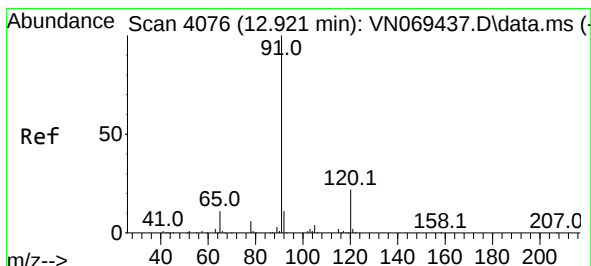
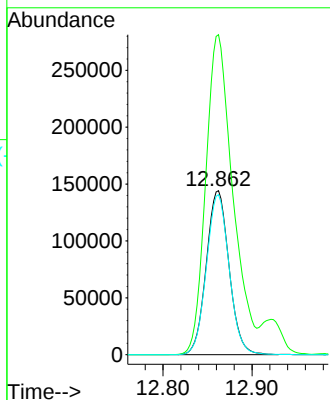
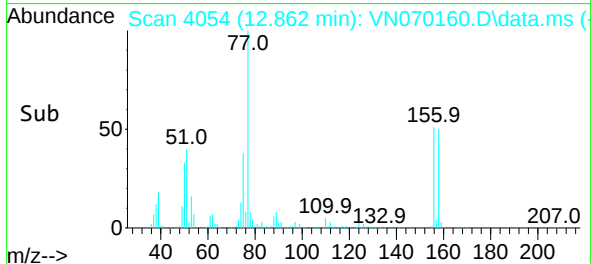
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



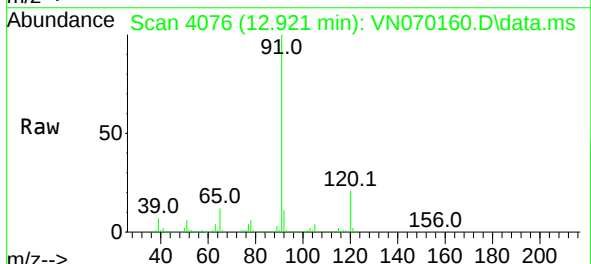
Tgt Ion:156 Resp: 25655
Ion Ratio Lower Upper
156 100
77 230.2 0.0 416.0
158 97.5 0.0 195.4

Manual Integrations
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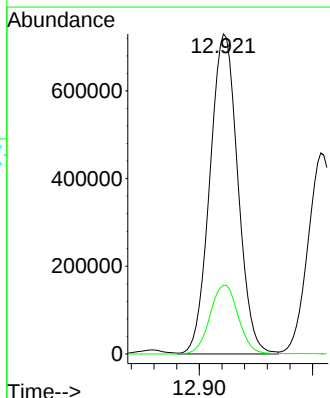
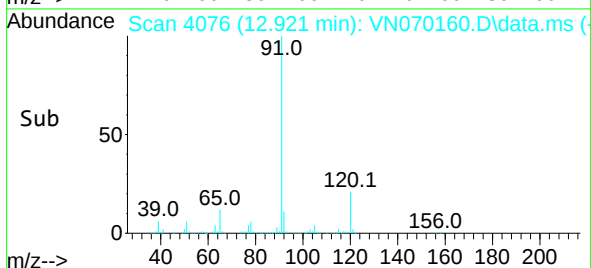
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

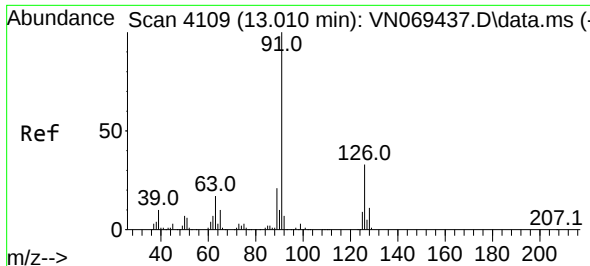


#74
n-propylbenzene
Concen: 18.209 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



Tgt Ion: 91 Resp: 1250309
Ion Ratio Lower Upper
91 100
120 21.8 0.0 45.0





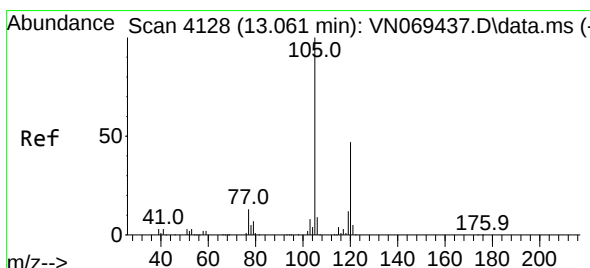
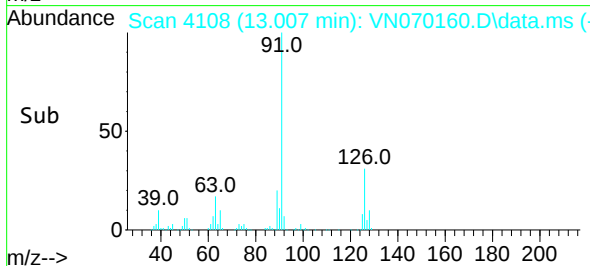
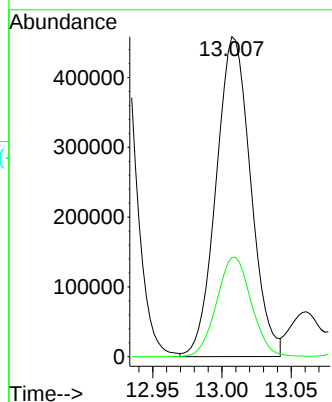
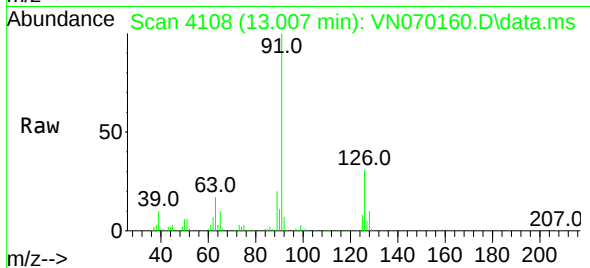
#75
2-Chlorotoluene
Concen: 18.931 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion: 91 Resp: 795409
Ion Ratio Lower Upper
91 100
126 31.2 0.0 69.8

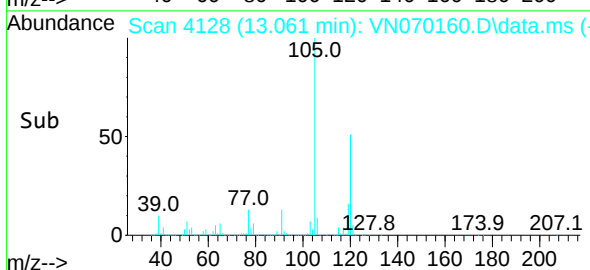
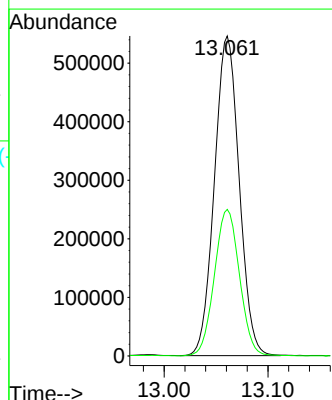
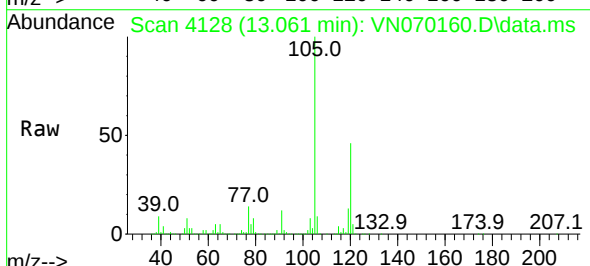
Manual Integrations
APPROVED

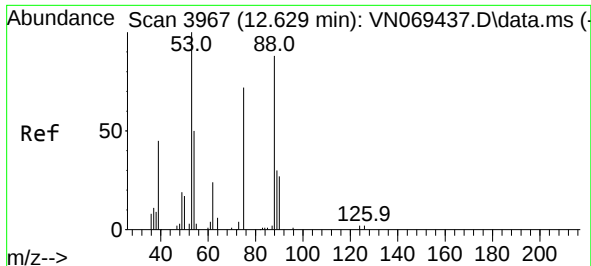
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#76
1,3,5-Trimethylbenzene
Concen: 18.553 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

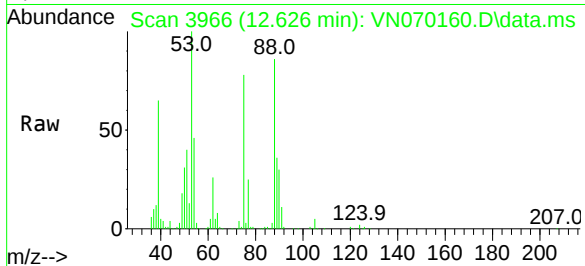
Tgt Ion:105 Resp: 902974
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 16.241 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

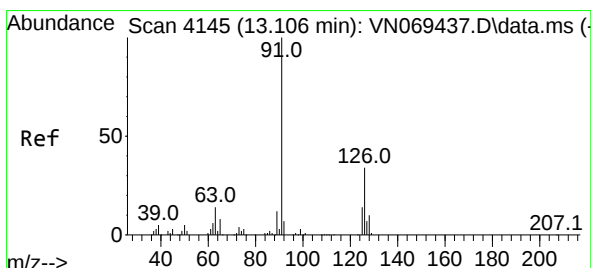
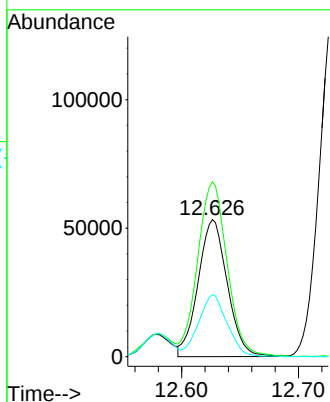
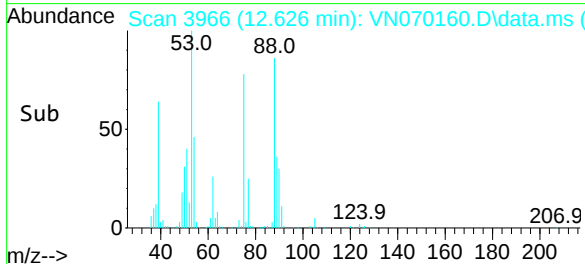
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion: 75 Resp: 92336
Ion Ratio Lower Upper
75 100
53 127.7 51.8 155.5
89 45.3 22.9 68.7

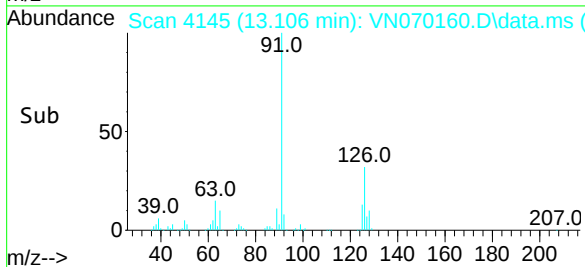
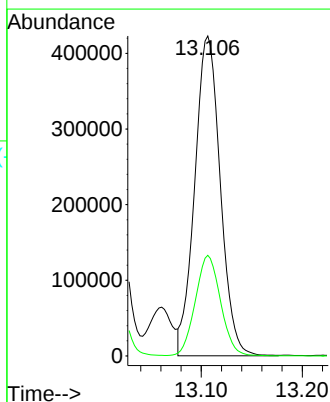
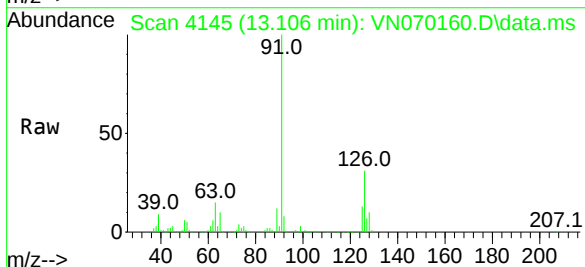
Manual Integrations
APPROVED

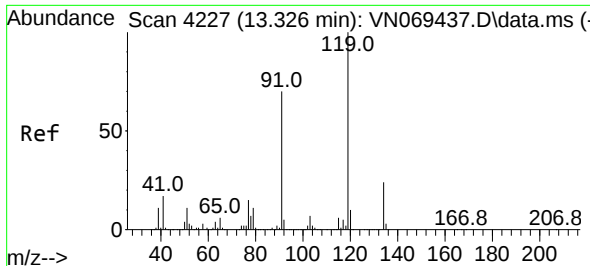
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#78
4-Chlorotoluene
Concen: 18.439 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 91 Resp: 742952
Ion Ratio Lower Upper
91 100
126 31.2 0.0 70.6





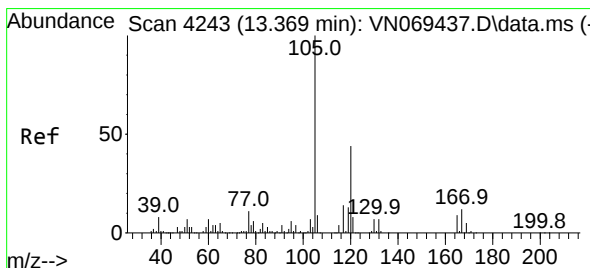
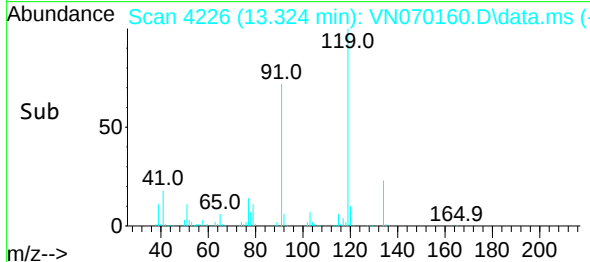
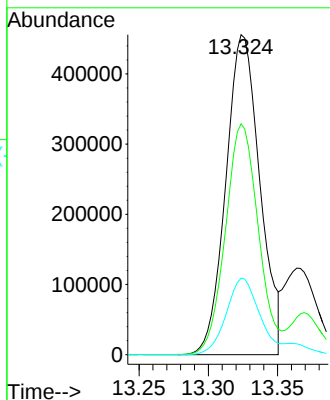
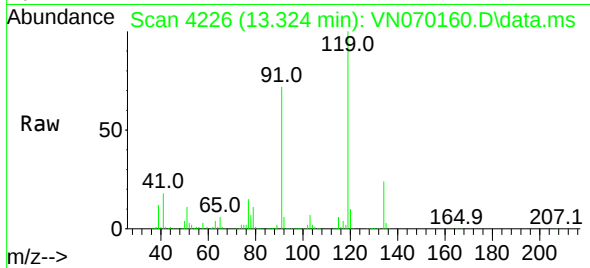
#79
tert-butylbenzene
Concen: 18.484 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:119 Resp: 78078
Ion Ratio Lower Upper
119 100
91 69.8 0.0 137.0
134 23.4 0.0 47.6

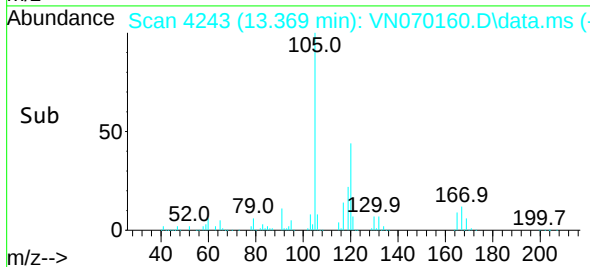
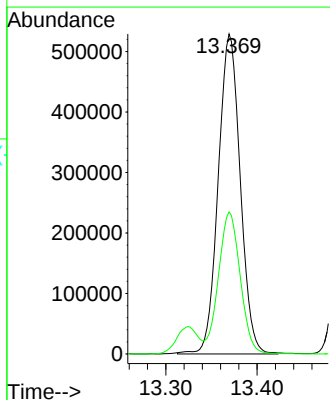
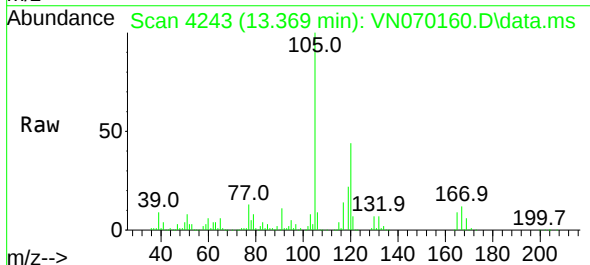
Manual Integrations
APPROVED

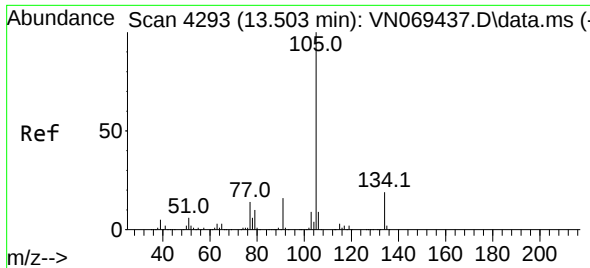
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#80
1,2,4-Trimethylbenzene
Concen: 18.804 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion:105 Resp: 885036
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2#





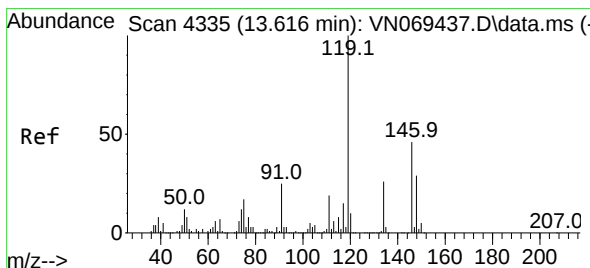
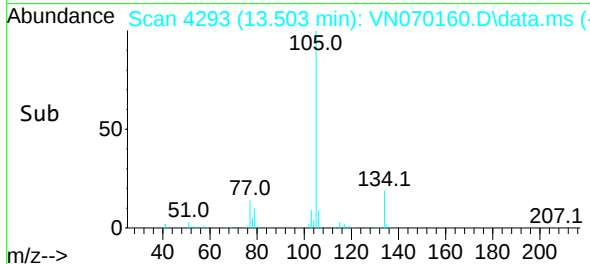
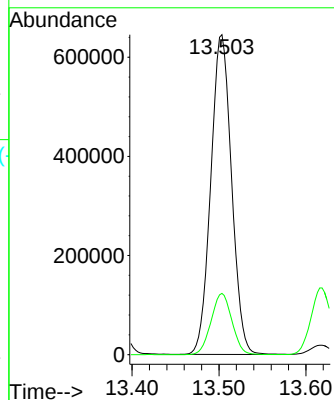
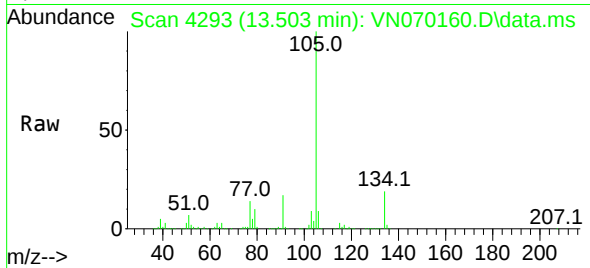
#81
 sec-Butylbenzene
 Concen: 18.144 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.003 min
 Lab File: VN070160.D
 Acq: 17 Dec 2021 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tgt Ion:105 Resp: 106942
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

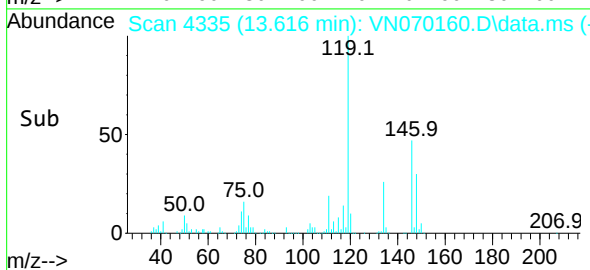
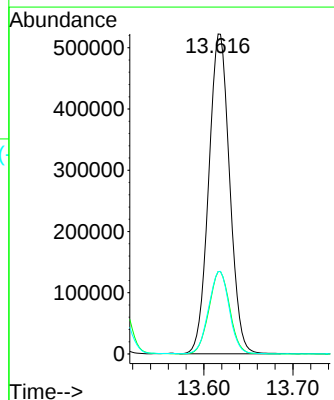
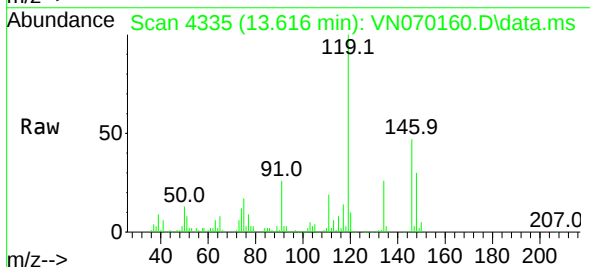
Manual Integrations
 APPROVED

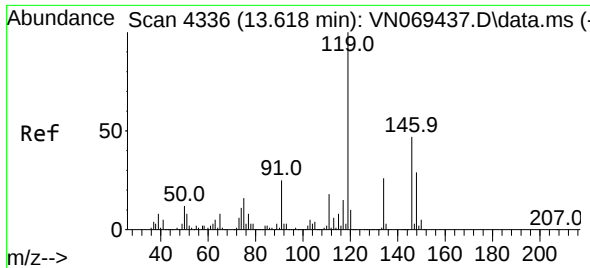
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#82
 p-Isopropyltoluene
 Concen: 18.099 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070160.D
 Acq: 17 Dec 2021 13:25

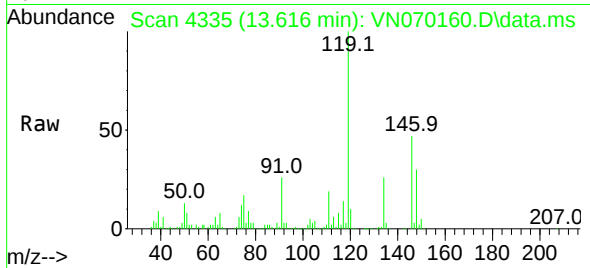
Tgt Ion:119 Resp: 849917
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.8
 91 25.5 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 18.464 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

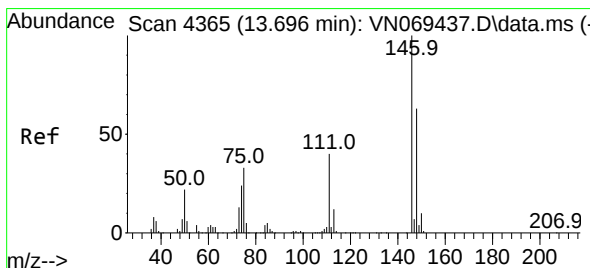
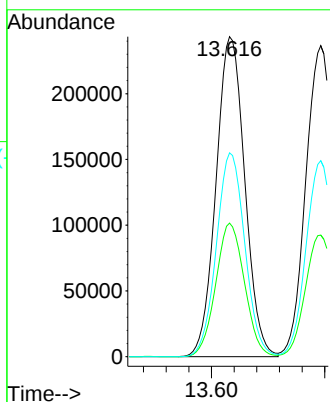
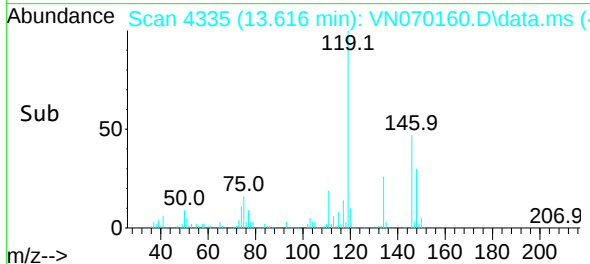
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



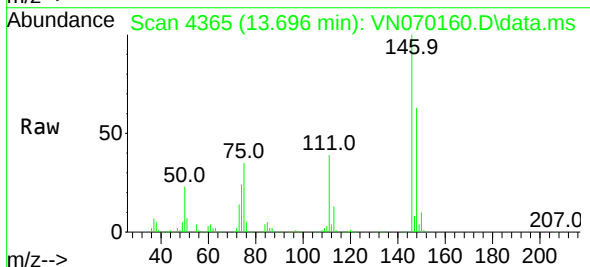
Tgt Ion:146 Resp: 429318
Ion Ratio Lower Upper
146 100
111 41.7 20.8 62.2
148 63.1 31.4 94.3

Manual Integrations
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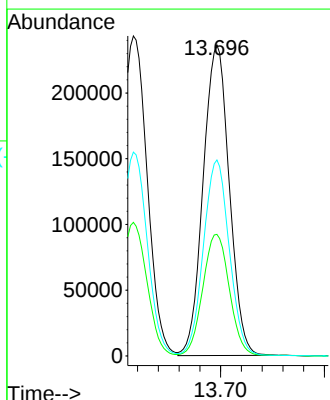
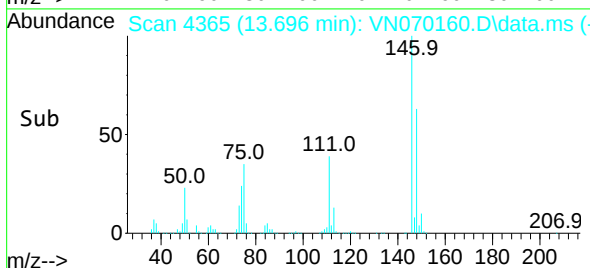
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

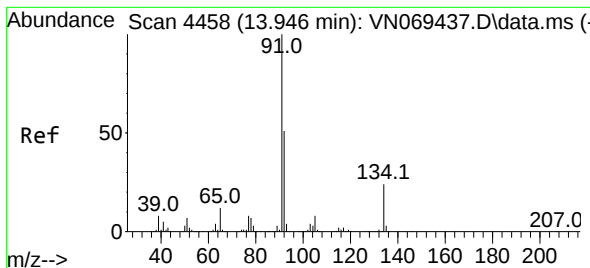


#84
1,4-Dichlorobenzene
Concen: 18.445 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25



Tgt Ion:146 Resp: 412533
Ion Ratio Lower Upper
146 100
111 40.1 19.5 58.5
148 62.5 31.1 93.5





#85

n-Butylbenzene

Concen: 16.943 ug/l

RT: 13.943 min Scan# 4458

Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tgt Ion: 91 Resp: 66468

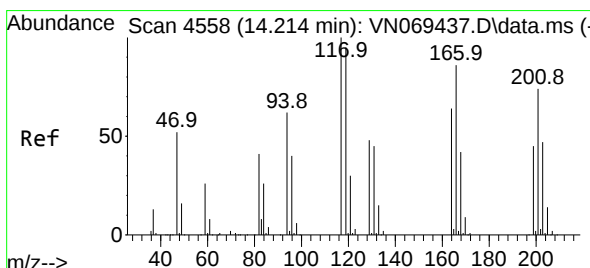
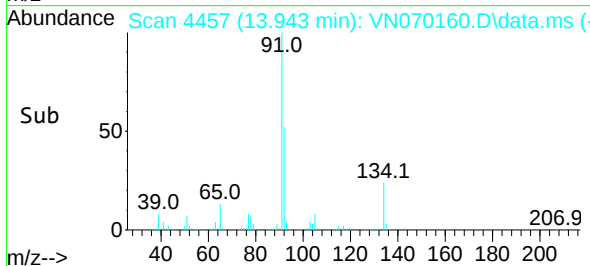
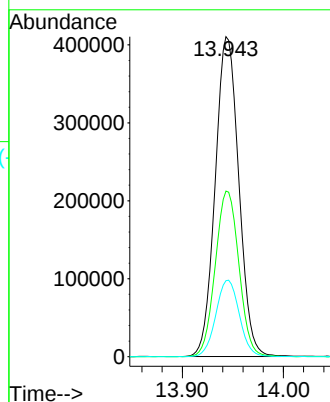
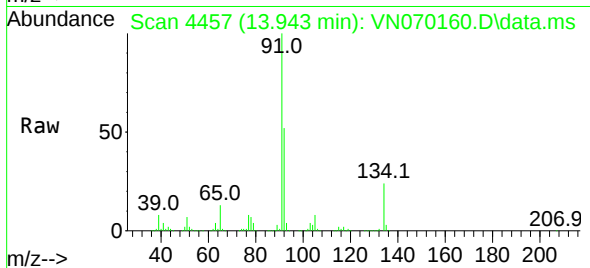
Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	100.6
134	23.9	0.0	50.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#86

Hexachloroethane

Concen: 13.727 ug/l

RT: 14.211 min Scan# 4557

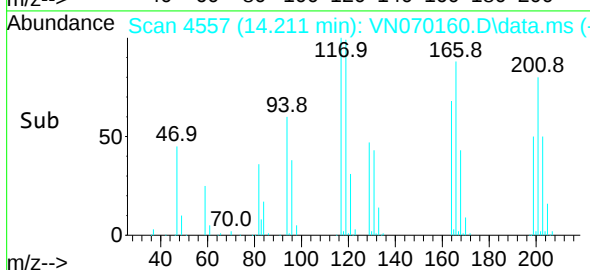
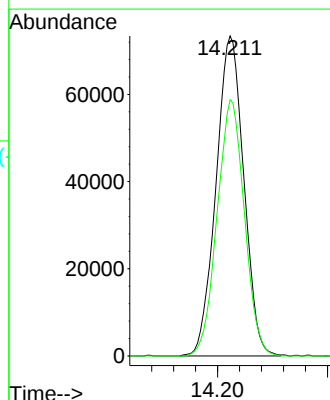
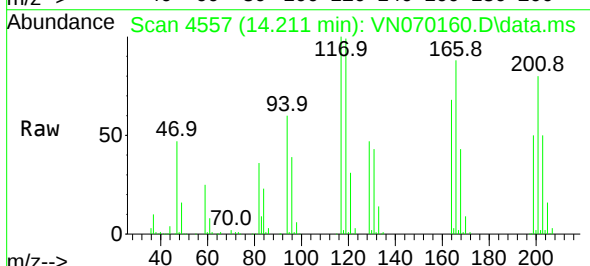
Delta R.T. 0.003 min

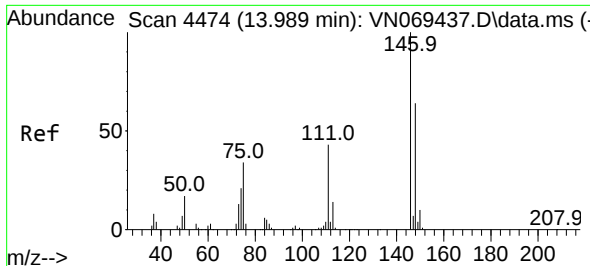
Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Tgt Ion:117 Resp: 128599

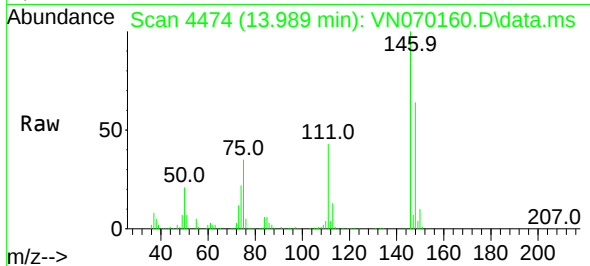
Ion	Ratio	Lower	Upper
117	100		
201	78.7	33.3	99.8





#87
1,2-Dichlorobenzene
Concen: 18.874 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

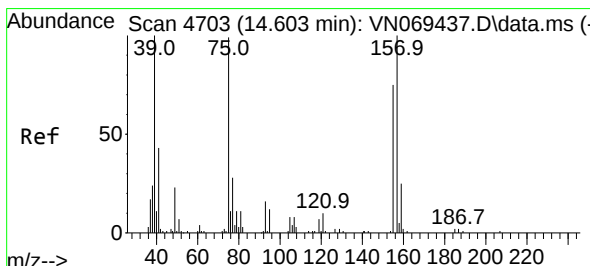
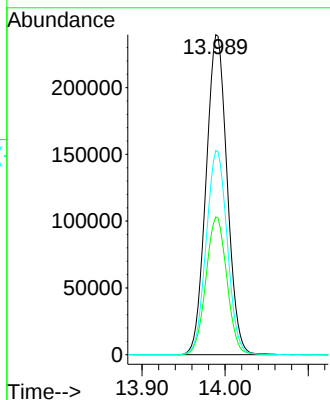
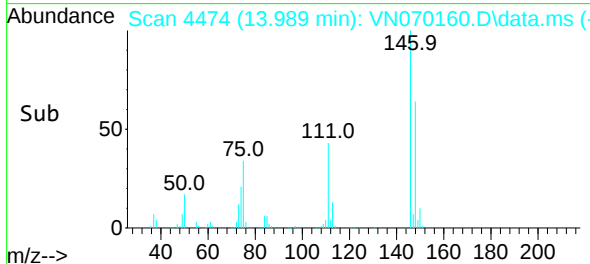
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01



Tgt Ion:146 Resp: 42158
Ion Ratio Lower Upper
146 100
111 42.8 21.4 64.2
148 63.9 32.5 97.4

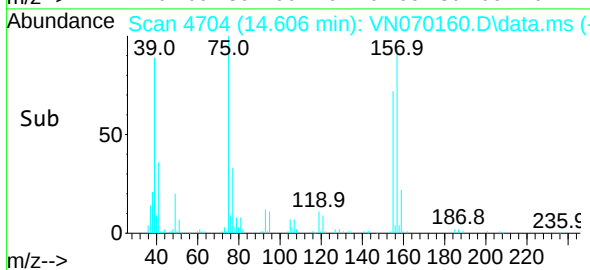
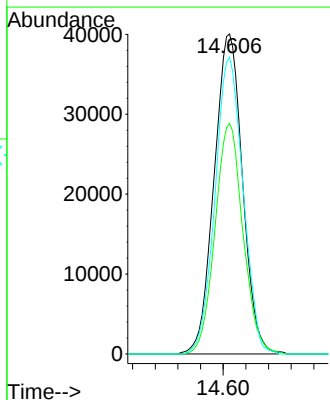
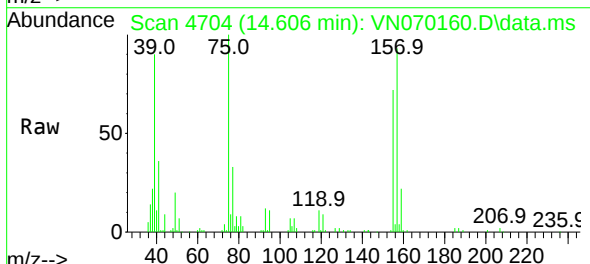
Manual Integrations
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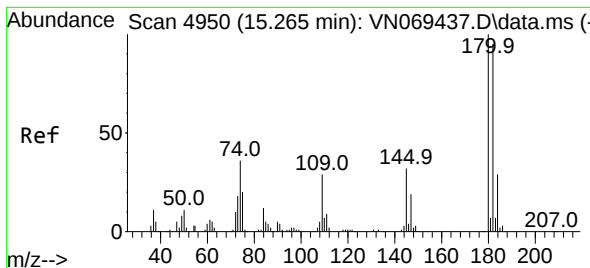
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.710 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 75 Resp: 69539
Ion Ratio Lower Upper
75 100
155 71.0 63.8 95.8
157 91.8 77.9 116.9





#89

1,2,4-Trichlorobenzene

Concen: 18.741 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.003 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

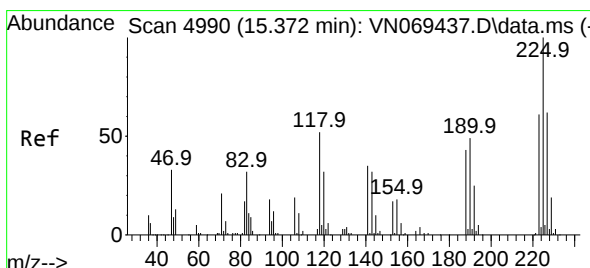
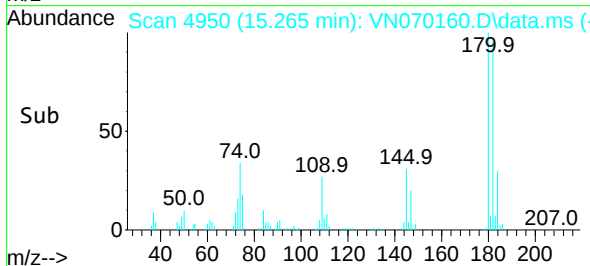
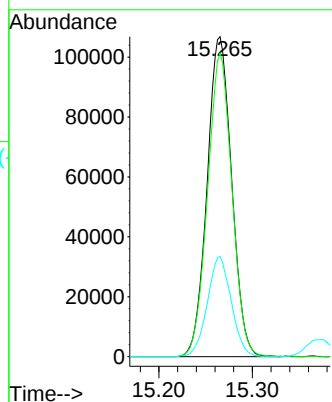
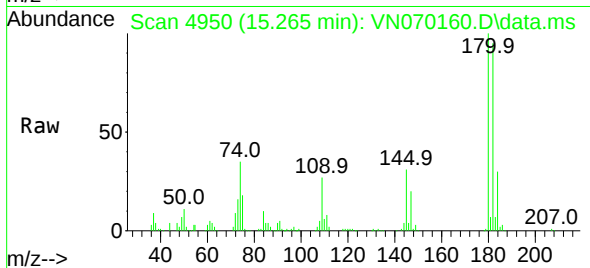
Tgt Ion:	180	Resp:	19475
Ion Ratio	Lower	Upper	
180	100		
182	94.2	77.7	116.5
145	30.6	26.6	39.8

Manual Integrations

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Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#90

Hexachlorobutadiene

Concen: 18.610 ug/l

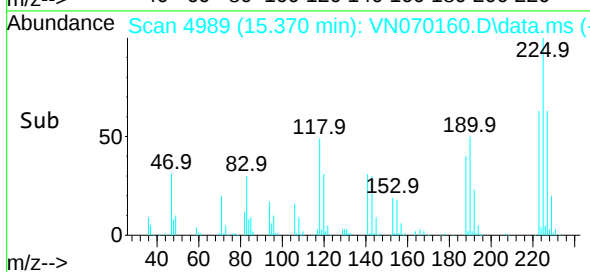
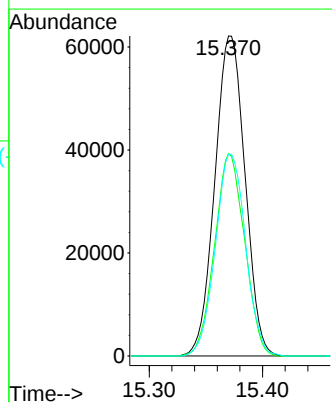
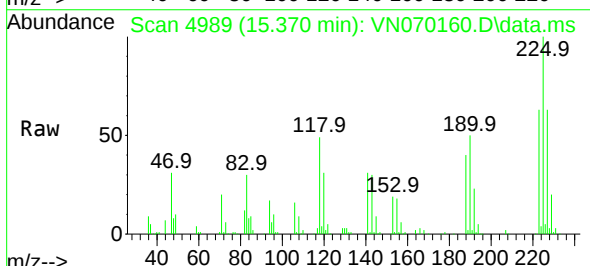
RT: 15.370 min Scan# 4989

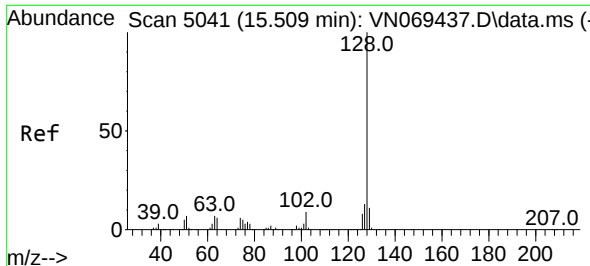
Delta R.T. 0.000 min

Lab File: VN070160.D

Acq: 17 Dec 2021 13:25

Tgt Ion:	225	Resp:	115101
Ion Ratio	Lower	Upper	
225	100		
223	62.9	0.0	126.8
227	63.2	0.0	123.0





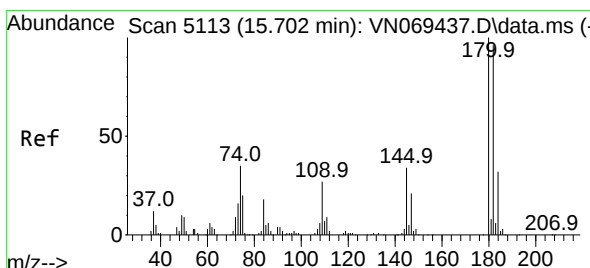
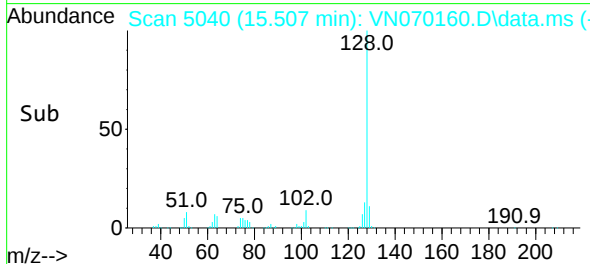
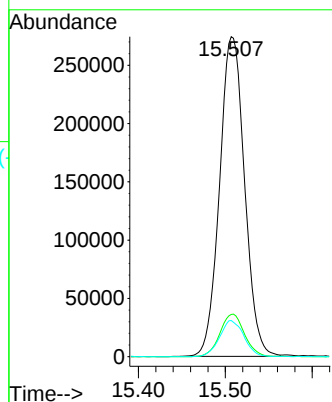
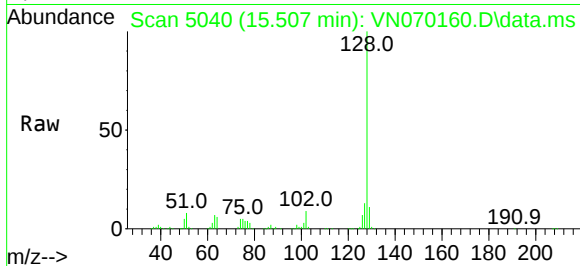
#91
Naphthalene
Concen: 22.296 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tgt Ion:128 Resp: 548008
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.1 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#92
1,2,3-Trichlorobenzene
Concen: 19.664 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.003 min
Lab File: VN070160.D
Acq: 17 Dec 2021 13:25

Tgt Ion:180 Resp: 193066
Ion Ratio Lower Upper
180 100
182 95.3 0.0 190.0
145 34.0 0.0 67.8

