

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070029.D
 Acq On : 13 Dec 2021 12:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Dec 13 13:25:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 13 13:20:37 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

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

Internal Standards						
1) Bromochloromethane	7.659	128	175866	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	976983	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	942063	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	465559	30.524	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.733%
60) 4-Bromofluorobenzene	12.731	95	489853	32.493	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	108.300%
63) Toluene-d8	10.443	98	1257197	28.903	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.333%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	2010553	154.713	ug/l	98
3) Chloromethane	2.301	50	2221008	163.918	ug/l	95
4) Vinyl Chloride	2.446	62	2097860	152.694	ug/l	100
5) Bromomethane	2.824	94	1155881	131.364	ug/l	98
6) Chloroethane	3.001	64	1167889	134.732	ug/l	99
7) Trichlorofluoromethane	3.368	101	2699802	134.068	ug/l	97
8) Diethyl Ether	3.821	74	1098567	172.823	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.202	101	1585324m	170.129	ug/l	
10) 1,1-Dichloroethene	4.175	96	1539784	175.203	ug/l	86
11) Methyl Iodide	4.417	142	2210520	180.523	ug/l	96
12) Methyl Acetate	4.851	43	3948888m	156.017	ug/l	
13) Acrolein	4.039	56	1601748	2301.704	ug/l	100
14) Acrylonitrile	5.554	53	5659343	819.562	ug/l	100
15) Acetone	4.285	58	1874323	814.592	ug/l	77
16) Carbon Disulfide	4.524	76	4610443	209.871	ug/l	98
17) Allyl chloride	4.835	41	3584272	191.884	ug/l	88
18) Methylene Chloride	5.093	84	1816912	162.278	ug/l #	84
19) trans-1,2-Dichloroethene	5.594	96	1629164	168.924	ug/l #	82
20) Diisopropyl ether	6.498	45	6811677	170.184	ug/l #	92
21) 1,1-Dichloroethane	6.385	63	3510882	172.900	ug/l	98
22) cis-1,2-Dichloroethene	7.324	96	1961618	163.993	ug/l	88
23) tert-Butyl Alcohol	5.385	59	1917590	797.921	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	5743751	163.073	ug/l	95
25) Chloroform	7.818	83	3442028	163.942	ug/l	99
26) Cyclohexane	8.094	56	3299967	171.169	ug/l #	85
29) 1,1-Dichloropropene	8.220	75	2623595	175.919	ug/l	95
30) 2-Butanone	7.335	43	9035425	837.011	ug/l #	90
31) 2,2-Dichloropropane	7.324	77	2859497	181.365	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	3070664	176.370	ug/l	95
33) Carbon Tetrachloride	8.206	117	2684434	186.683	ug/l	99
34) Benzene	8.459	78	7630487	168.247	ug/l	100
35) Methacrylonitrile	7.638	41	1757882	177.551	ug/l	88
36) 1,2-Dichloroethane	8.528	62	3030082	173.299	ug/l	97
37) Trichloroethene	9.218	130	1849712	168.820	ug/l	91
38) Methylcyclohexane	9.459	83	3165666	171.570	ug/l	88
39) 1,2-Dichloropropane	9.491	63	2062128	171.678	ug/l	99
40) Dibromomethane	9.577	93	1347480	167.504	ug/l	95
41) Bromodichloromethane	9.762	83	2866296	189.828	ug/l	96
42) Vinyl Acetate	6.434	43	27857281	913.155	ug/l #	95

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Instrument :
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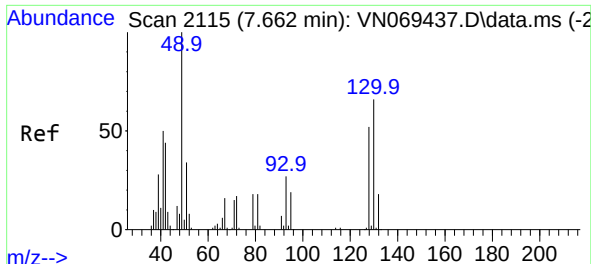
Manual Integrations
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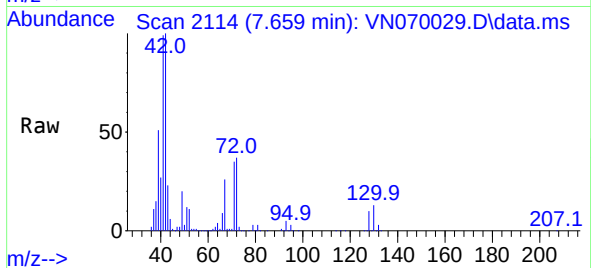
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	3310651	165.489	ug/l	98
44) Isopropyl Acetate	8.560	43	5407093	173.367	ug/l	95
45) 1,4-Dioxane	9.569	88	767765	3032.538	ug/l #	84
46) Methyl methacrylate	9.561	41	2572828	179.114	ug/l	81
47) n-amyl Acetate	12.388	43	4322821	180.493	ug/l	96
48) t-1,3-Dichloropropene	10.717	75	3192321	197.004	ug/l	100
49) cis-1,3-Dichloropropene	10.188	75	3356869	190.374	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	1868024	163.524	ug/l	96
51) Ethyl methacrylate	10.760	69	3379725	176.463	ug/l	89
52) 1,3-Dichloropropane	11.044	76	3317721	168.137	ug/l	99
53) Dibromochloromethane	11.237	129	2126966	194.845	ug/l	100
54) 1,2-Dibromoethane	11.347	107	1988637	168.091	ug/l	97
55) 2-Chloroethyl vinyl ether	10.041	63	3930278	902.159	ug/l	96
56) Bromoform	12.457	173	1703084	217.565	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	16842666m	814.481	ug/l	
59) 2-Hexanone	11.087	43	12909871	820.724	ug/l	96
61) Tetrachloroethene	10.977	164	1582631	156.523	ug/l	95
62) Toluene	10.505	91	8258536	159.530	ug/l	98
64) Chlorobenzene	11.771	112	5076794	163.458	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.840	131	1893317	173.151	ug/l	100
66) Ethyl Benzene	11.843	91	9518307	166.113	ug/l	100
67) m/p-Xylenes	11.953	106	7013162	329.529	ug/l	96
68) o-Xylene	12.280	106	3513171	164.865	ug/l	94
69) Styrene	12.294	104	5944969	172.081	ug/l	96
70) Isopropylbenzene	12.578	105	9322663	167.284	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	2887922	157.043	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	2551696m	142.440	ug/l	
73) Bromobenzene	12.860	156	2171109	169.003	ug/l	91
74) n-propylbenzene	12.921	91	11007698	171.987	ug/l	99
75) 2-Chlorotoluene	13.007	91	6654248	170.790	ug/l	95
76) 1,3,5-Trimethylbenzene	13.058	105	7667805	167.636	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	1018286	210.577	ug/l	95
78) 4-Chlorotoluene	13.104	91	6560938	175.841	ug/l	94
79) tert-butylbenzene	13.324	119	6705624	166.655	ug/l	98
80) 1,2,4-Trimethylbenzene	13.367	105	7430289m	166.523	ug/l	
81) sec-Butylbenzene	13.501	105	9547232	169.586	ug/l	100
82) p-Isopropyltoluene	13.616	119	7702187	171.466	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	3689283	167.967	ug/l	98
84) 1,4-Dichlorobenzene	13.694	146	3618443	169.815	ug/l	98
85) n-Butylbenzene	13.943	91	6833778	182.280	ug/l	98
86) Hexachloroethane	14.209	117	1498629	201.586	ug/l	87
87) 1,2-Dichlorobenzene	13.989	146	3460783	163.260	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	623899	193.809	ug/l	96
89) 1,2,4-Trichlorobenzene	15.263	180	1881594	185.125	ug/l	98
90) Hexachlorobutadiene	15.370	225	897404	163.273	ug/l	99
91) Naphthalene	15.504	128	5459207	186.451	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	1777650	177.910	ug/l	100

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

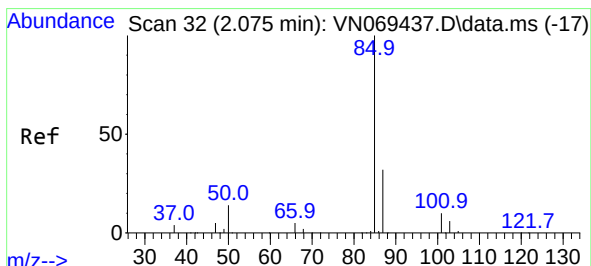
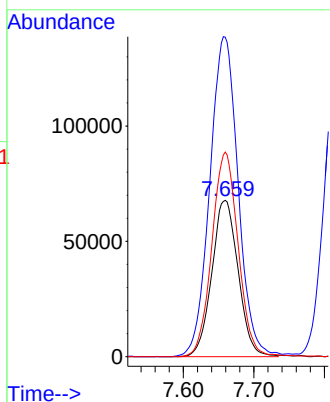
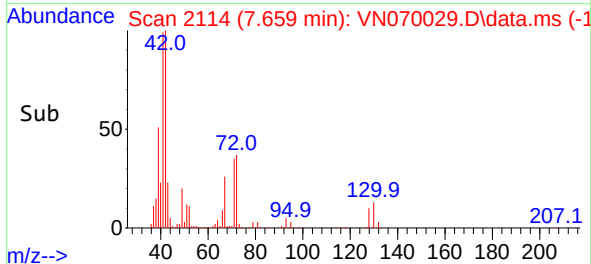
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



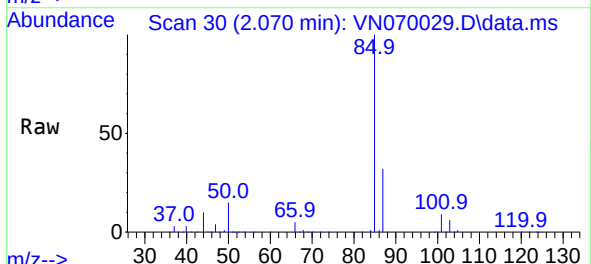
Tgt Ion:128 Resp: 175860
Ion Ratio Lower Upper
128 100
49 219.5 0.0 392.3
130 129.8 0.0 320.2

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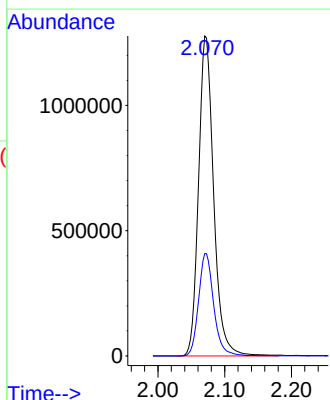
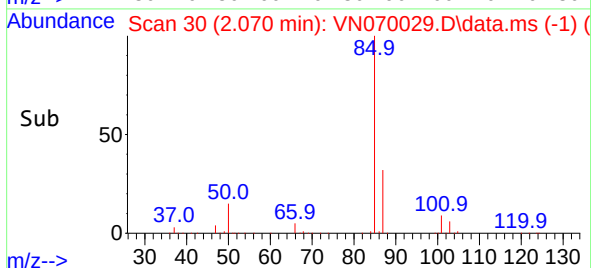
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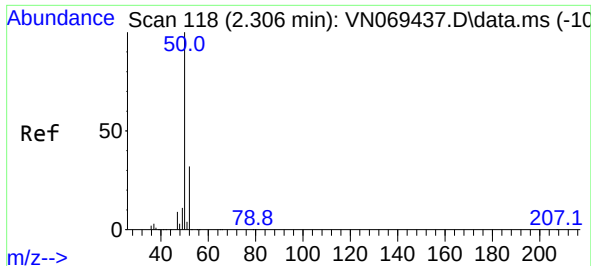


#2
Dichlorodifluoromethane
Concen: 154.713 ug/l
RT: 2.070 min Scan# 30
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



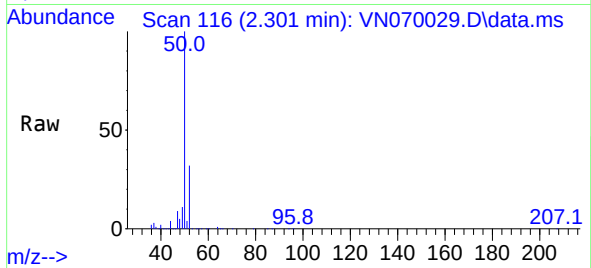
Tgt Ion: 85 Resp: 2010553
Ion Ratio Lower Upper
85 100
87 32.0 16.6 49.7





#3
Chloromethane
Concen: 163.918 ug/l
RT: 2.301 min Scan# 118
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

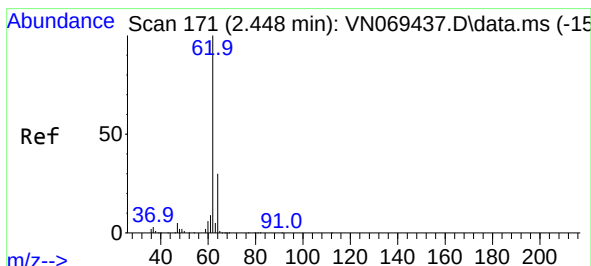
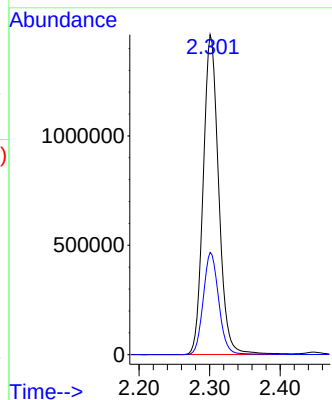
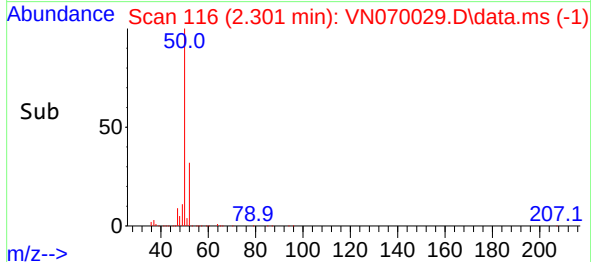
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Tgt Ion: 50 Resp: 2221008
Ion Ratio Lower Upper
50 100
52 32.0 27.8 41.6

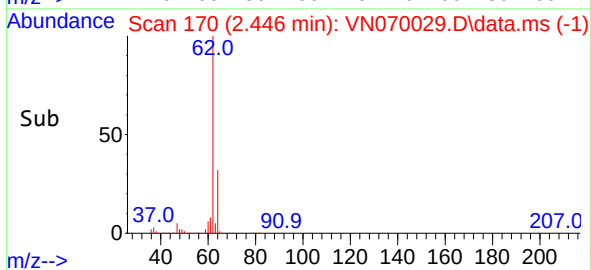
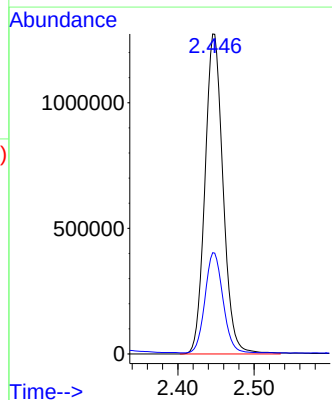
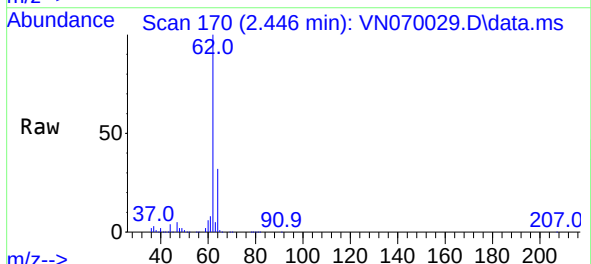
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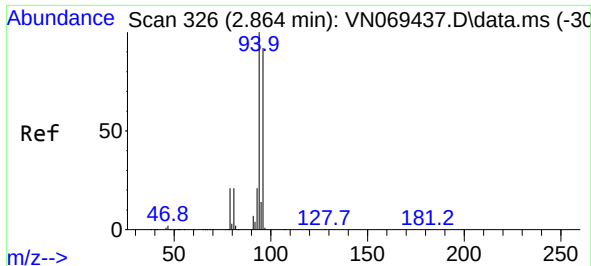
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#4
Vinyl Chloride
Concen: 152.694 ug/l
RT: 2.446 min Scan# 170
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

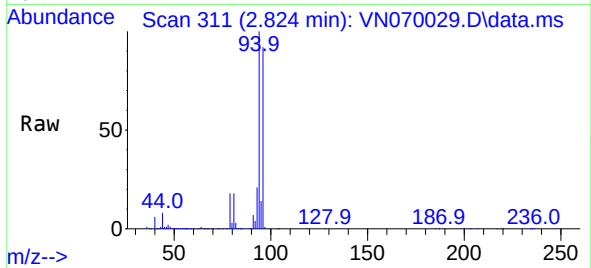
Tgt Ion: 62 Resp: 2097860
Ion Ratio Lower Upper
62 100
64 31.3 25.1 37.7





#5
Bromomethane
Concen: 131.364 ug/l
RT: 2.824 min Scan# 311
Delta R.T. -0.040 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

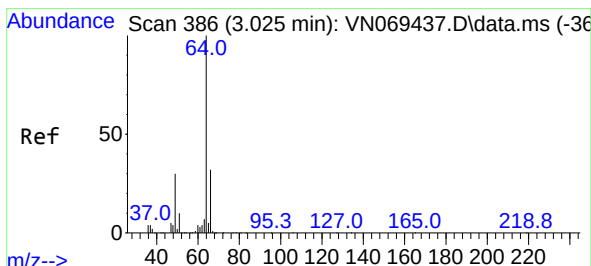
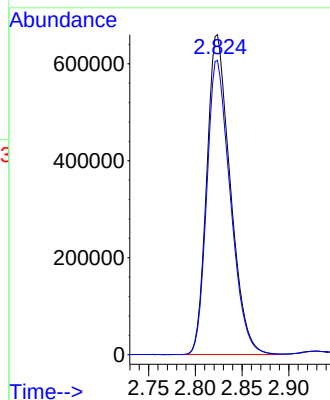
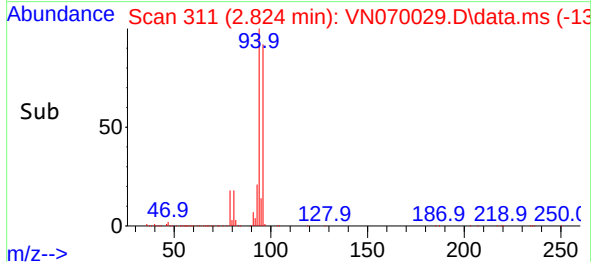
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



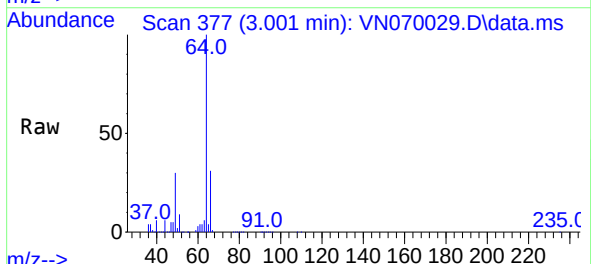
Tgt Ion: 94 Resp: 115588
Ion Ratio Lower Upper
94 100
96 92.0 75.2 112.8

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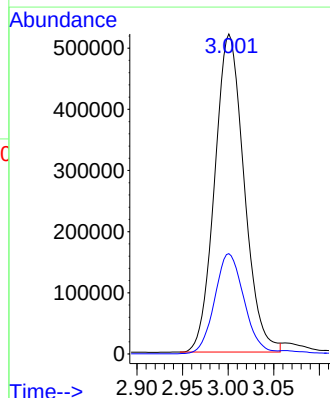
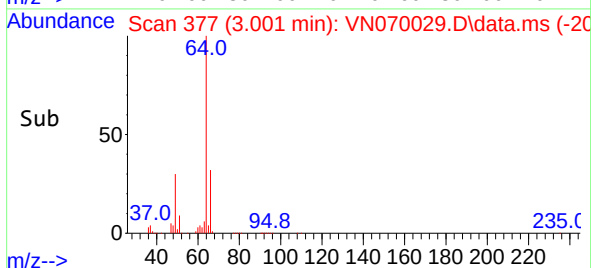
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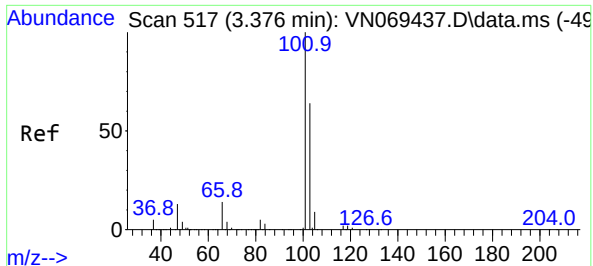


#6
Chloroethane
Concen: 134.732 ug/l
RT: 3.001 min Scan# 377
Delta R.T. -0.029 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



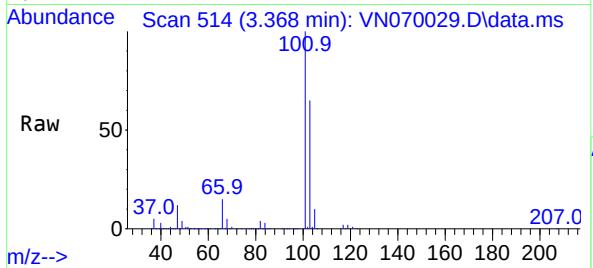
Tgt Ion: 64 Resp: 1167889
Ion Ratio Lower Upper
64 100
66 31.5 24.6 36.8





#7
 Trichlorofluoromethane
 Concen: 134.068 ug/l
 RT: 3.368 min Scan# 517
 Delta R.T. -0.016 min
 Lab File: VN070029.D
 Acq: 13 Dec 2021 12:01

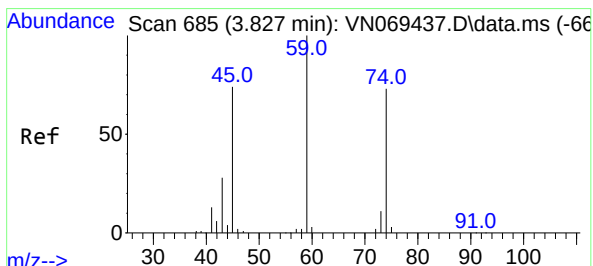
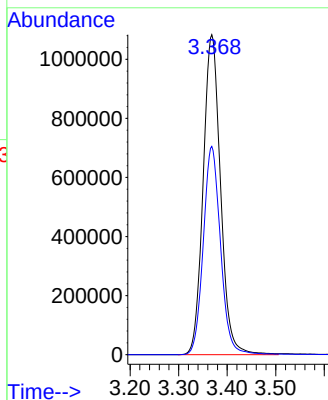
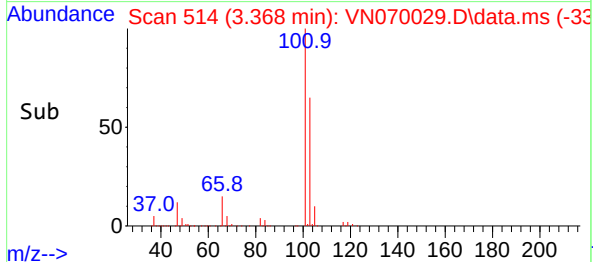
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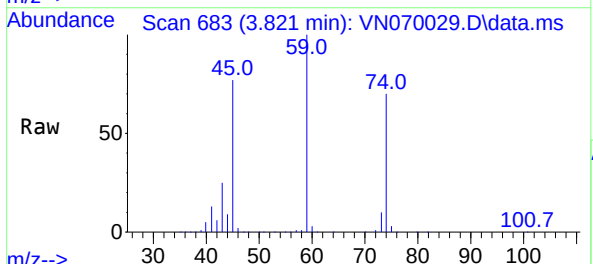
Tgt Ion:101 Resp: 269980
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.1 75.1

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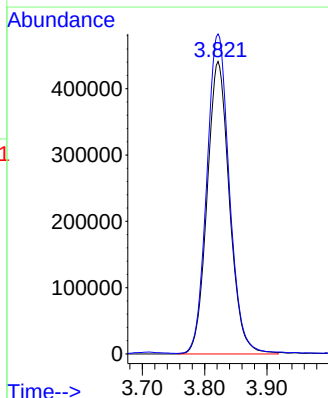
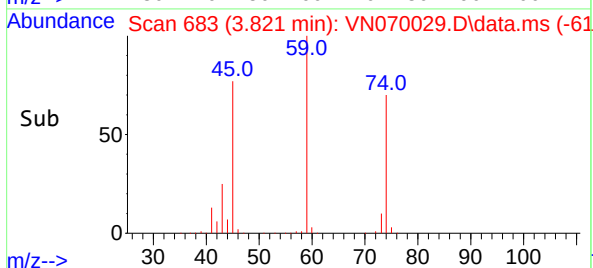
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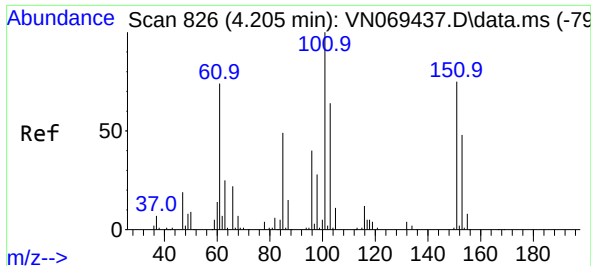


#8
 Diethyl Ether
 Concen: 172.823 ug/l
 RT: 3.821 min Scan# 683
 Delta R.T. -0.005 min
 Lab File: VN070029.D
 Acq: 13 Dec 2021 12:01



Tgt Ion: 74 Resp: 1098567
 Ion Ratio Lower Upper
 74 100
 45 110.1 17.6 158.8





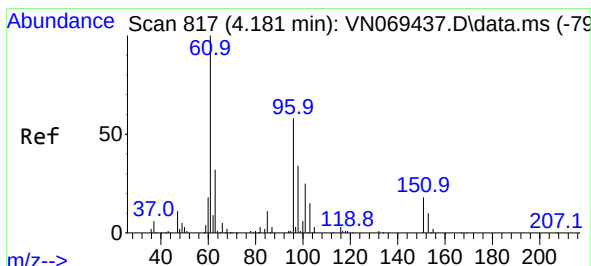
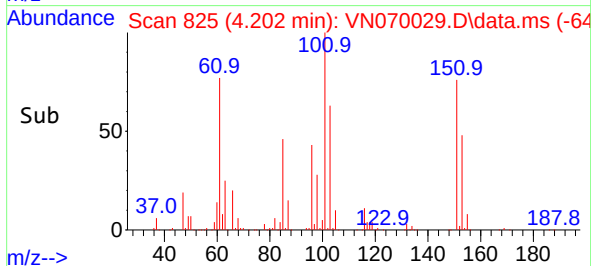
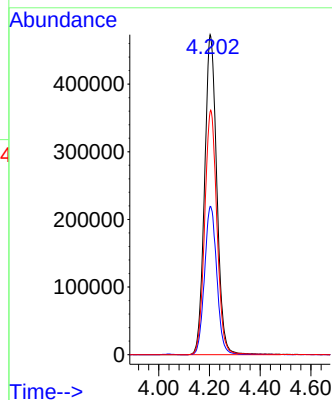
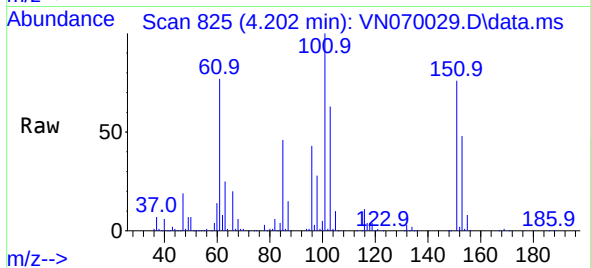
#9
1,1,2-Trichlorotrifluoroethane
Concen: 170.129 ug/l m
RT: 4.202 min Scan# 81
Delta R.T. -0.013 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
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ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 1585324
Ion Ratio Lower Upper
101 100
85 0.0 0.0 94.0
151 0.0 0.0 74.6

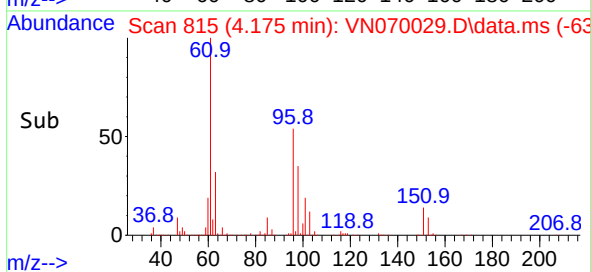
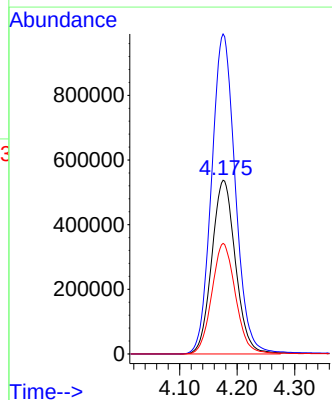
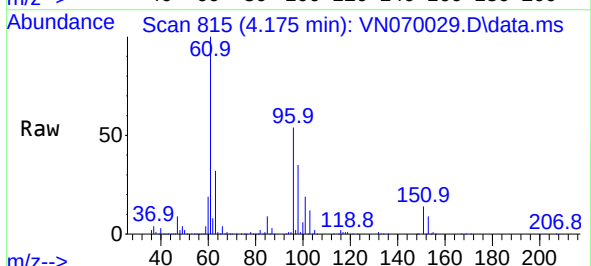
Manual Integrations
APPROVED

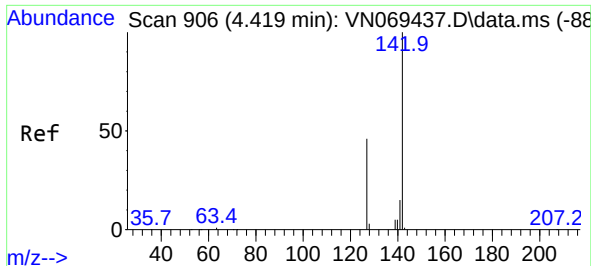
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#10
1,1-Dichloroethene
Concen: 175.203 ug/l
RT: 4.175 min Scan# 815
Delta R.T. -0.013 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 96 Resp: 1539784
Ion Ratio Lower Upper
96 100
61 184.1 126.2 189.4
98 63.6 50.9 76.3





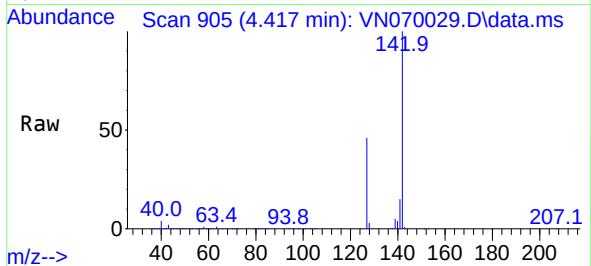
#11
Methyl Iodide
Concen: 180.523 ug/l
RT: 4.417 min Scan# 906
Delta R.T. -0.010 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

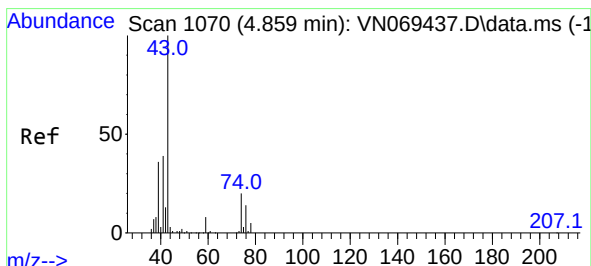
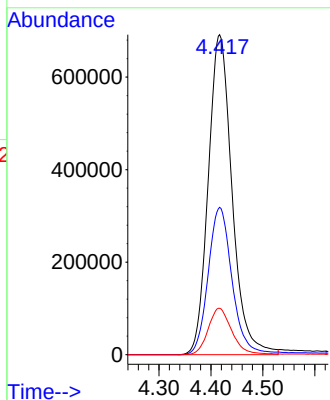
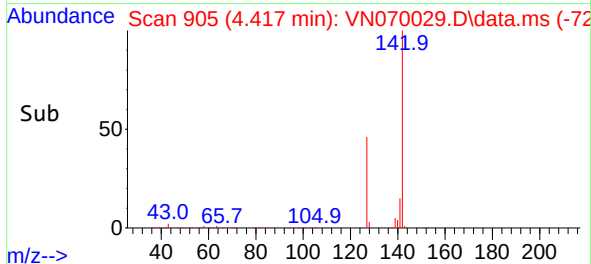


Tgt Ion:142 Resp: 2210520
Ion Ratio Lower Upper
142 100
127 46.0 24.0 72.0
141 14.5 8.4 25.2

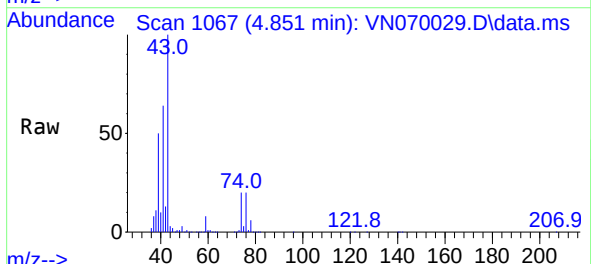
Manual Integrations

APPROVED

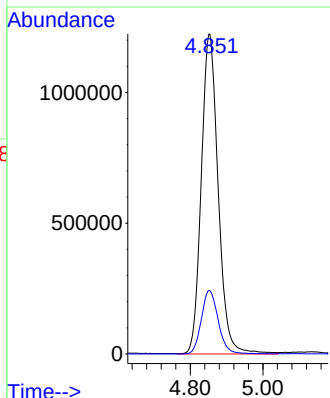
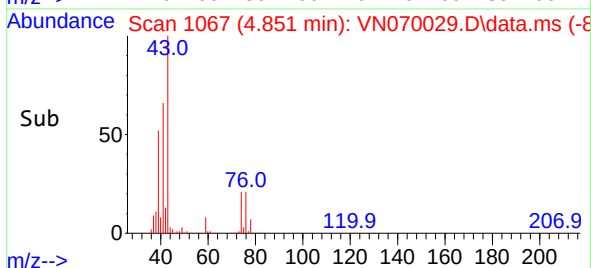
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

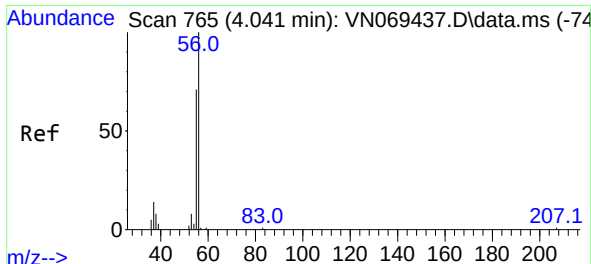


#12
Methyl Acetate
Concen: 156.017 ug/l m
RT: 4.851 min Scan# 1067
Delta R.T. -0.008 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



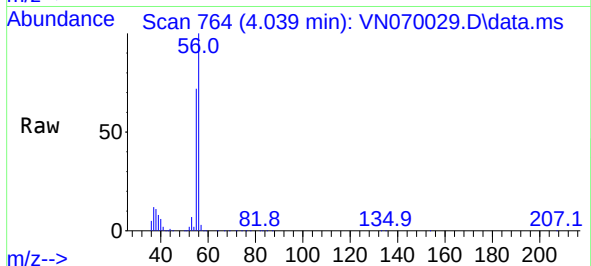
Tgt Ion: 43 Resp: 3948888
Ion Ratio Lower Upper
43 100
74 19.9 20.8 31.2#





#13
Acrolein
Concen: 2301.704 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

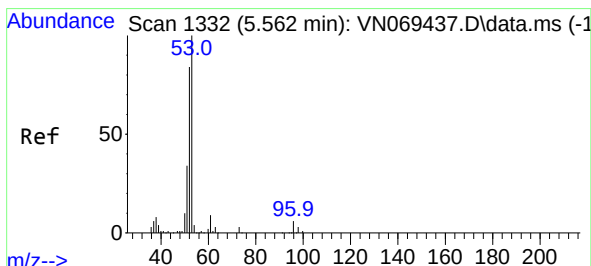
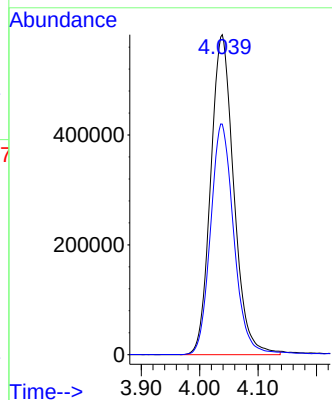
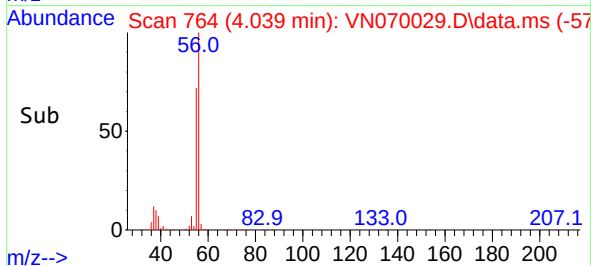
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 160174
Ion Ratio Lower Upper
56 100
55 72.1 57.6 86.4

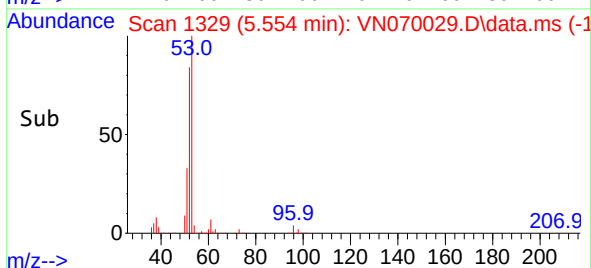
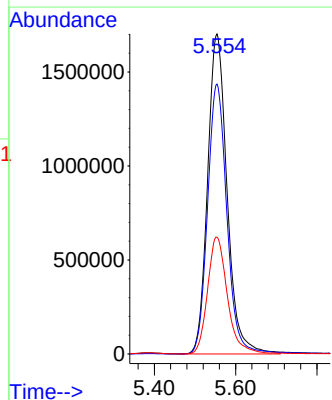
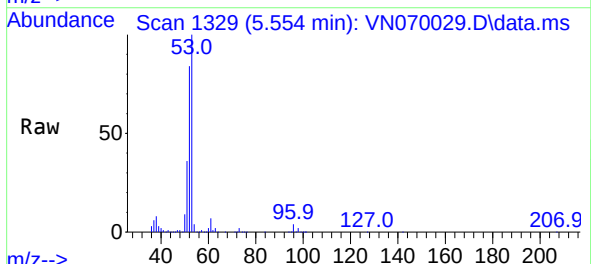
Manual Integrations
APPROVED

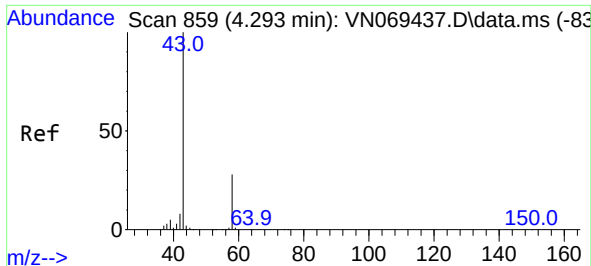
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#14
Acrylonitrile
Concen: 819.562 ug/l
RT: 5.554 min Scan# 1329
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

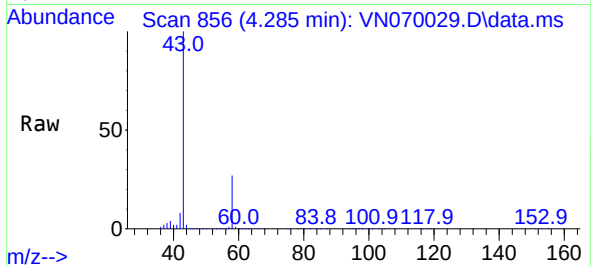
Tgt Ion: 53 Resp: 5659343
Ion Ratio Lower Upper
53 100
52 83.7 41.8 125.4
51 37.3 19.0 57.0





#15
Acetone
Concen: 814.592 ug/l
RT: 4.285 min Scan# 815
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

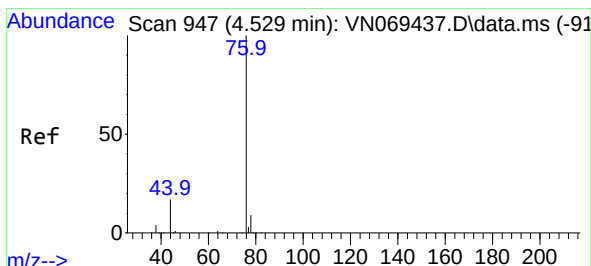
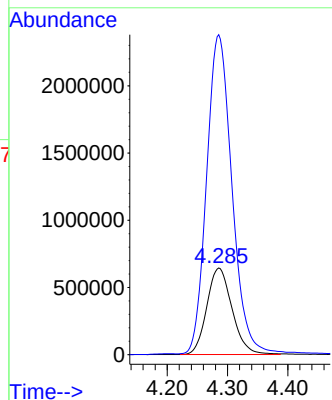
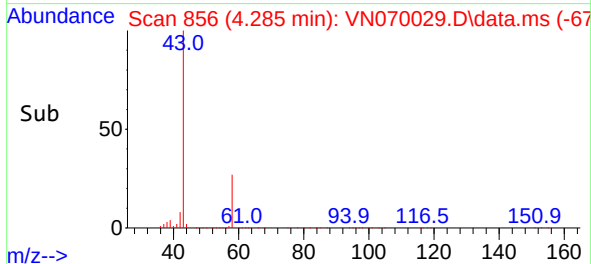
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



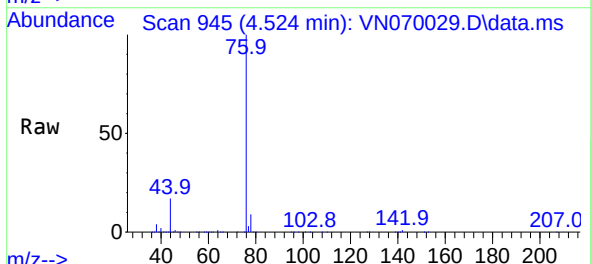
Tgt Ion: 58 Resp: 187432
Ion Ratio Lower Upper
58 100
43 368.3 256.6 384.8

Manual Integrations
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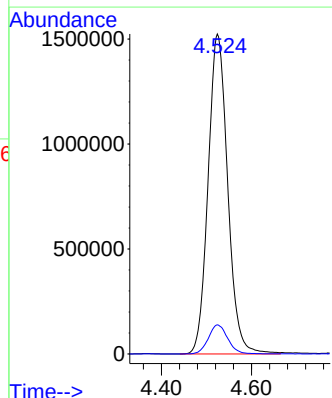
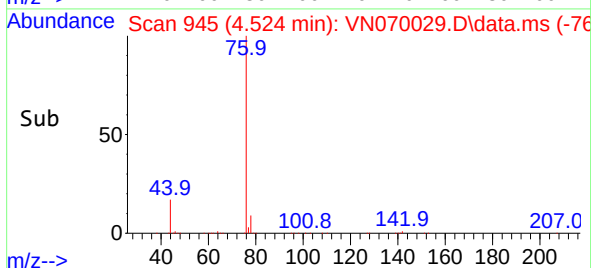
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

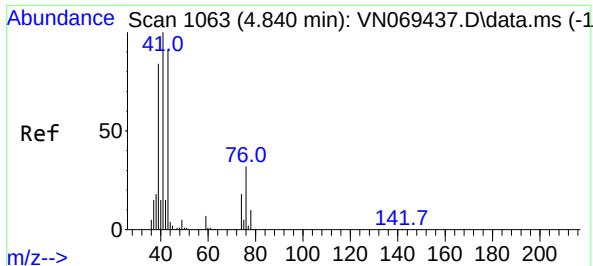


#16
Carbon Disulfide
Concen: 209.871 ug/l
RT: 4.524 min Scan# 945
Delta R.T. -0.008 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



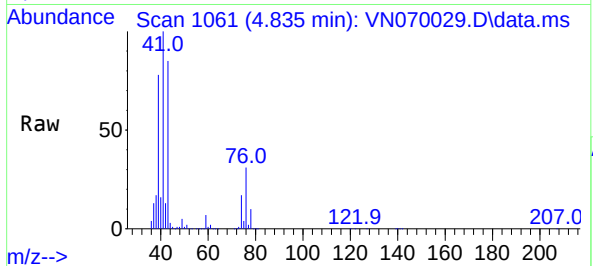
Tgt Ion: 76 Resp: 4610443
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8





#17
Allyl chloride
Concen: 191.884 ug/l
RT: 4.835 min Scan# 1061
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

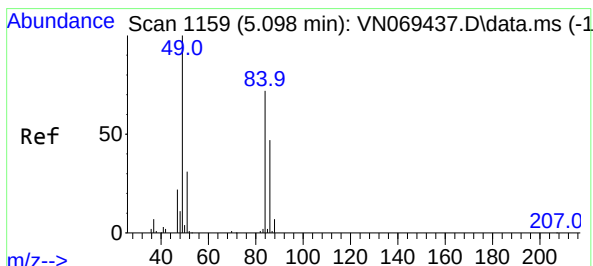
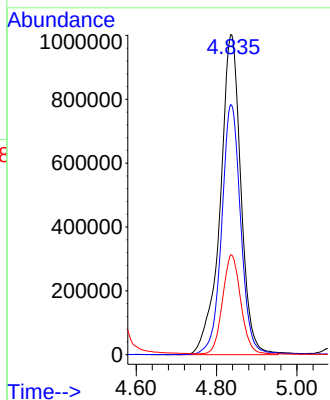
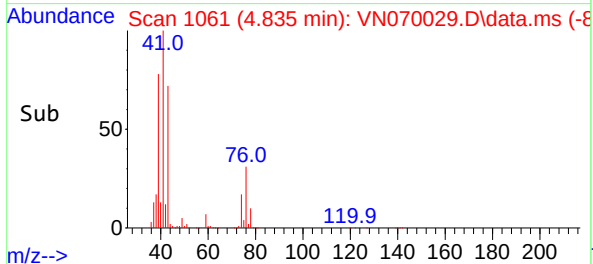
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



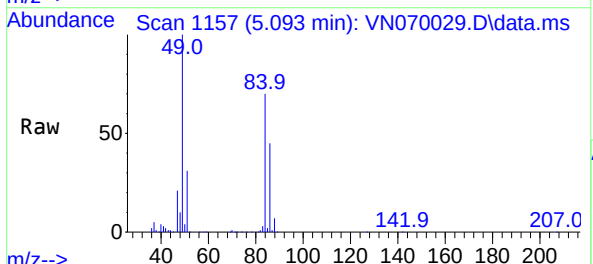
Tgt Ion: 41 Resp: 358427
Ion Ratio Lower Upper
41 100
39 78.2 44.6 134.0
76 30.9 19.6 58.7

Manual Integrations
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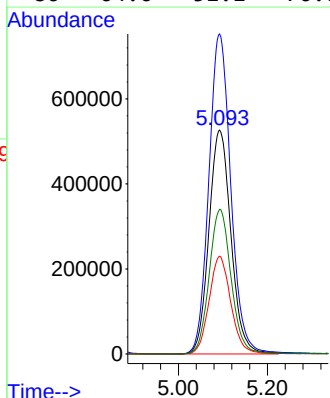
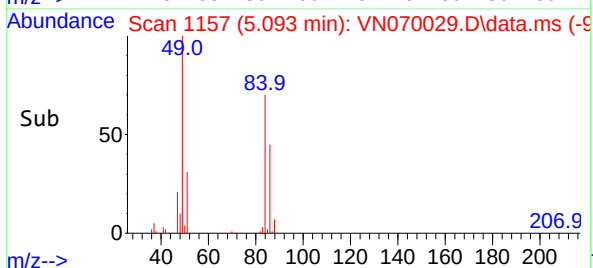
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

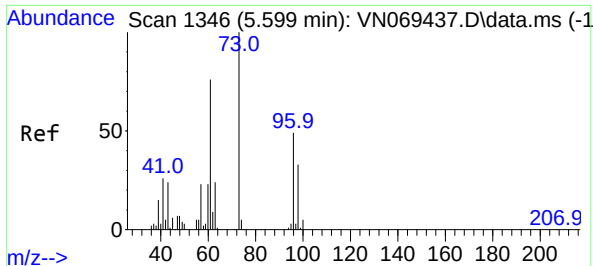


#18
Methylene Chloride
Concen: 162.278 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 84 Resp: 1816912
Ion Ratio Lower Upper
84 100
49 142.9 91.4 137.0#
51 43.6 29.4 44.0
86 64.6 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 168.924 ug/l

RT: 5.594 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN070029.D

Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1629164

Ion Ratio Lower Upper

96 100

61 157.6 102.8 154.2

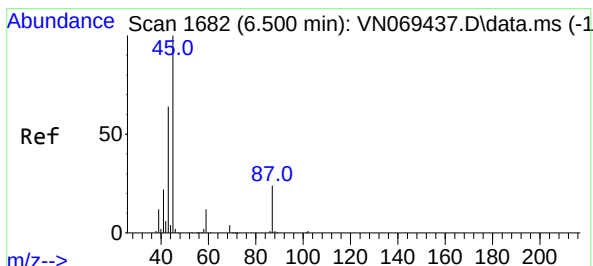
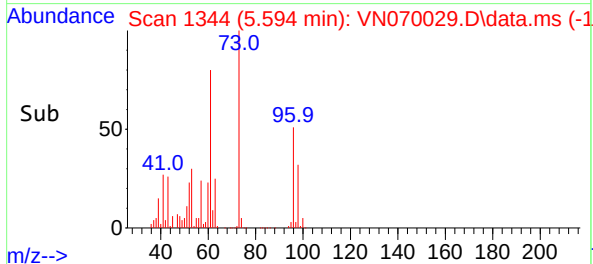
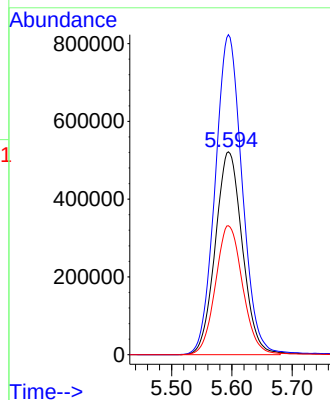
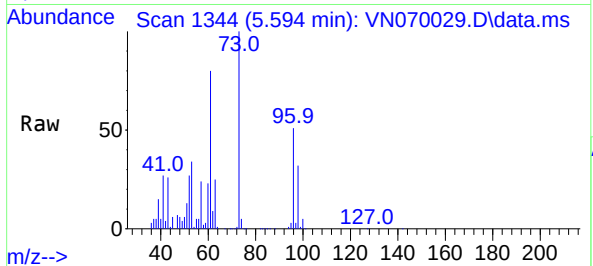
98 63.6 49.3 73.9

Manual Integrations

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Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#20

Diisopropyl ether

Concen: 170.184 ug/l

RT: 6.498 min Scan# 1681

Delta R.T. -0.002 min

Lab File: VN070029.D

Acq: 13 Dec 2021 12:01

Tgt Ion: 45 Resp: 6811677

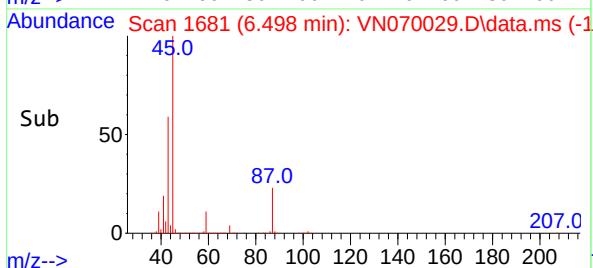
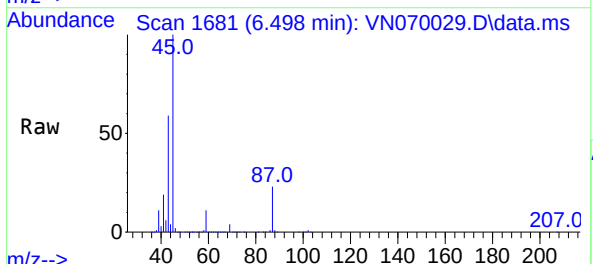
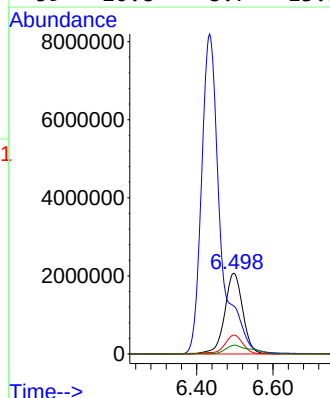
Ion Ratio Lower Upper

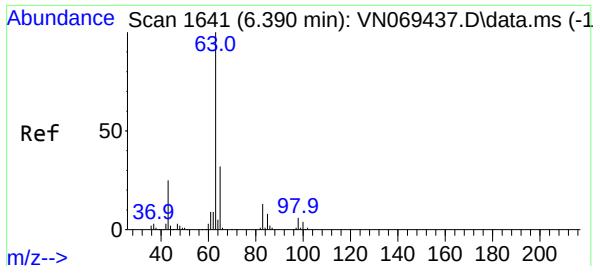
45 100

43 59.2 51.0 76.4

87 23.4 25.0 37.4#

59 10.8 8.7 13.1





#21
1,1-Dichloroethane
Concen: 172.900 ug/l
RT: 6.385 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

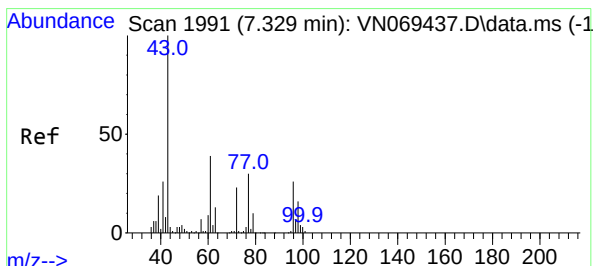
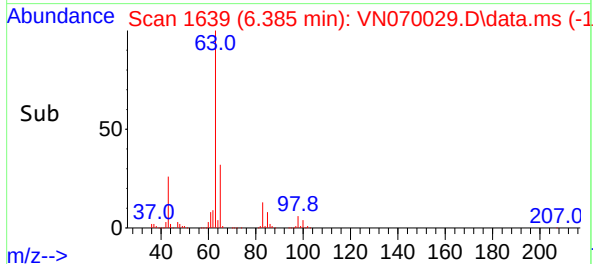
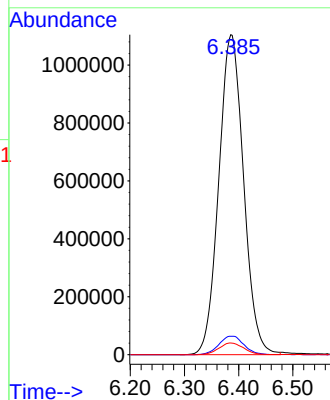
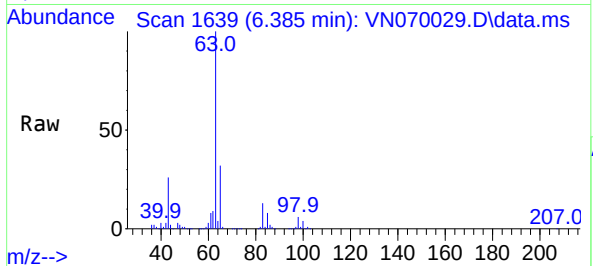
VSTDICC150

Tgt Ion: 63 Resp: 351088
Ion Ratio Lower Upper
63 100
98 5.8 3.2 9.6
100 3.6 2.1 6.2

Manual Integrations

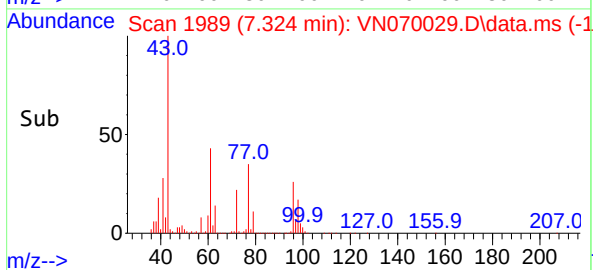
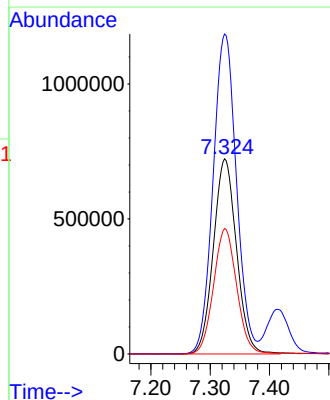
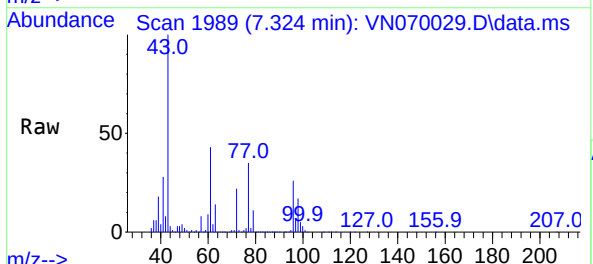
APPROVED

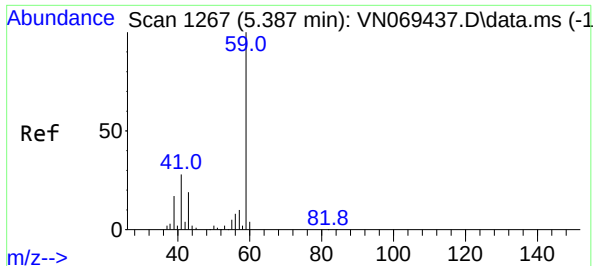
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#22
cis-1,2-Dichloroethene
Concen: 163.993 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 96 Resp: 1961618
Ion Ratio Lower Upper
96 100
61 165.3 115.7 173.5
98 64.1 51.6 77.4





#23

tert-Butyl Alcohol

Concen: 797.921 ug/l

RT: 5.385 min Scan# 1267

Delta R.T. 0.014 min

Lab File: VN070029.D

Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 1917590

Ion Ratio Lower Upper

59 100

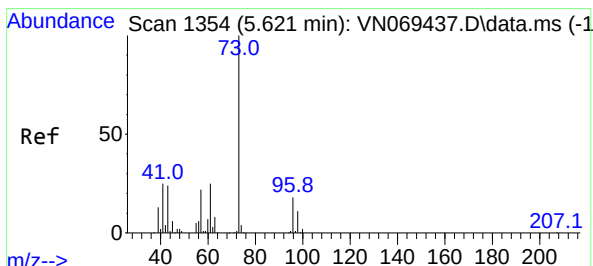
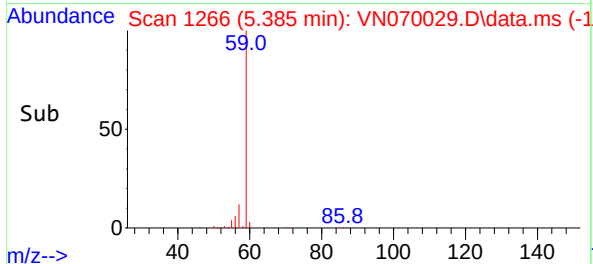
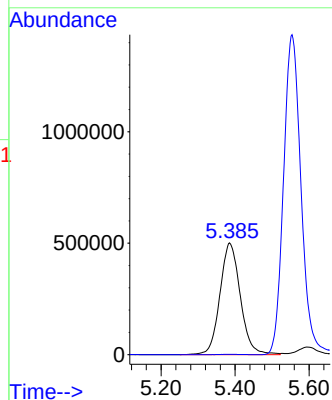
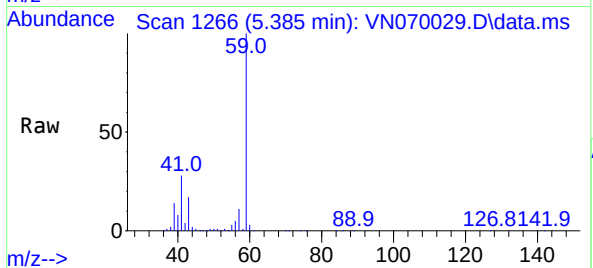
52 0.0 0.0 0.0

Manual Integrations

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Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#24

Methyl tert-Butyl Ether

Concen: 163.073 ug/l

RT: 5.616 min Scan# 1352

Delta R.T. -0.002 min

Lab File: VN070029.D

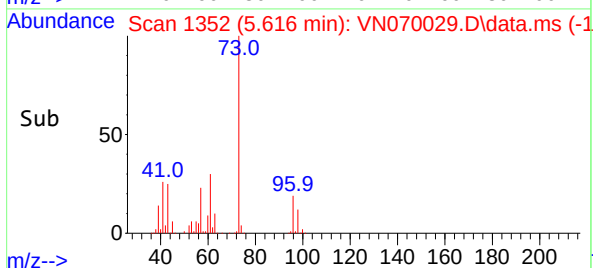
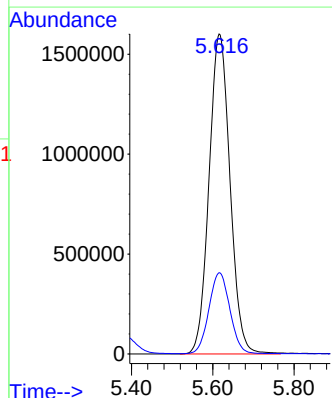
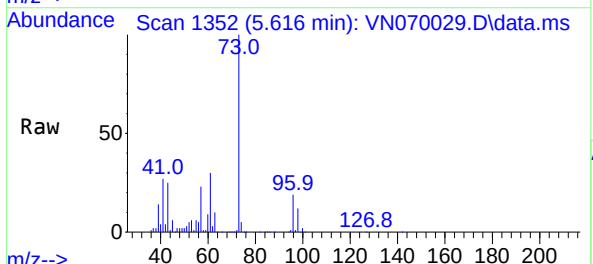
Acq: 13 Dec 2021 12:01

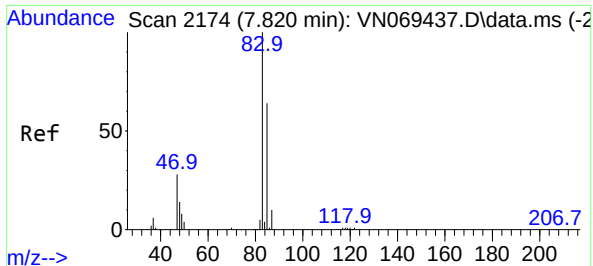
Tgt Ion: 73 Resp: 5743751

Ion Ratio Lower Upper

73 100

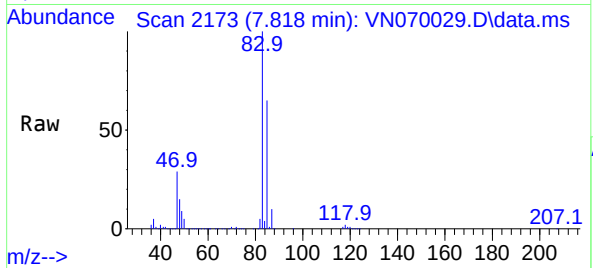
43 25.1 18.1 27.1





#25
Chloroform
Concen: 163.942 ug/l
RT: 7.818 min Scan# 2173
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

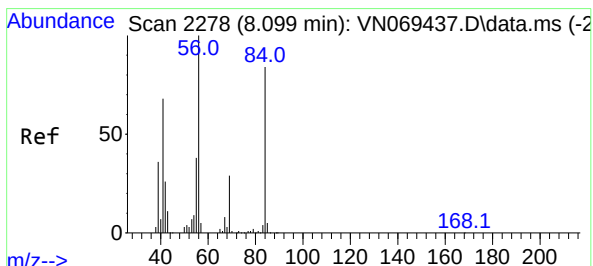
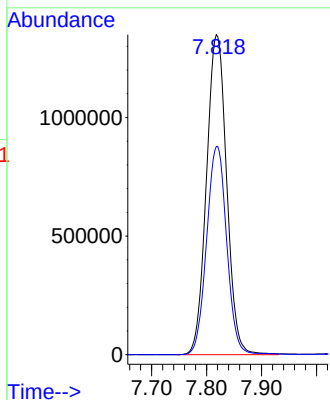
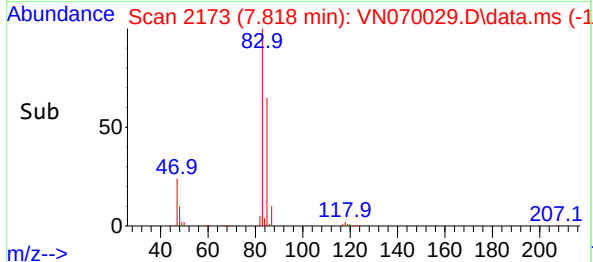
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 3442028
Ion Ratio Lower Upper
83 100
85 65.1 51.3 76.9

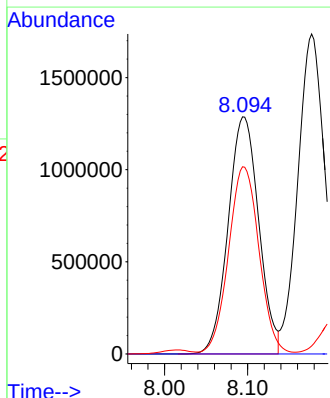
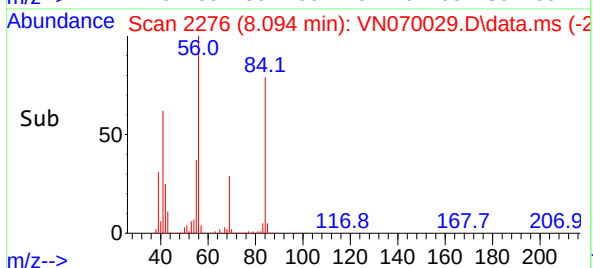
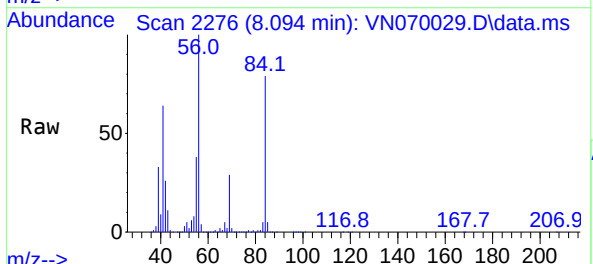
Manual Integrations
APPROVED

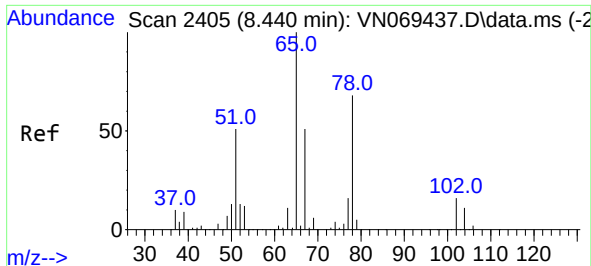
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#26
Cyclohexane
Concen: 171.169 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 56 Resp: 3299967
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 78.8 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 30.524 ug/l
RT: 8.437 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

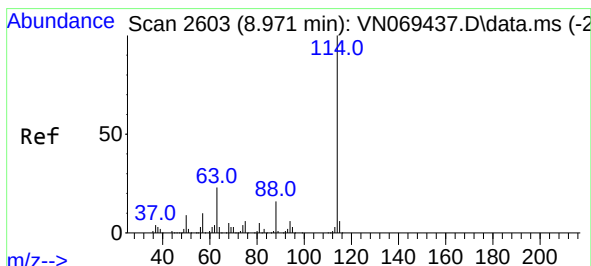
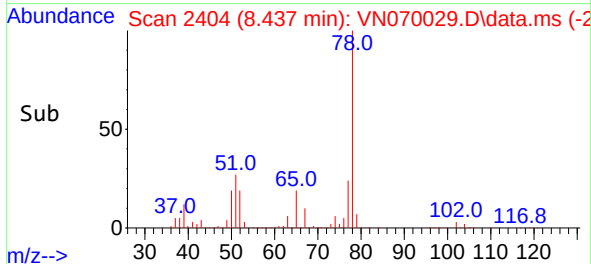
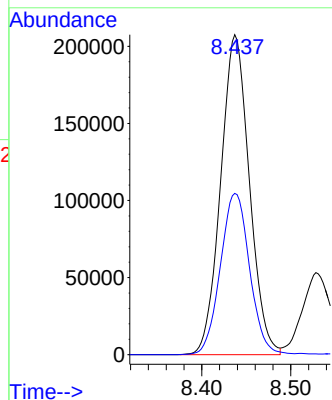
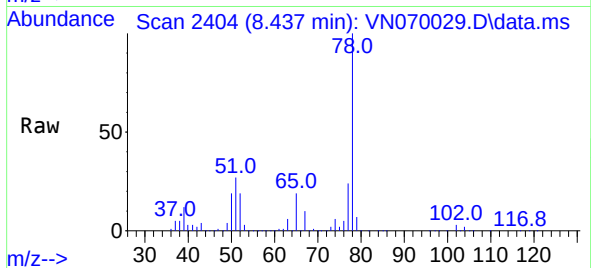
VSTDIC150

Tgt Ion: 65 Resp: 46555
Ion Ratio Lower Upper
65 100
67 51.1 40.2 60.2

Manual Integrations

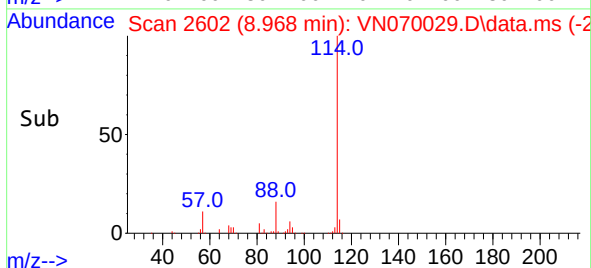
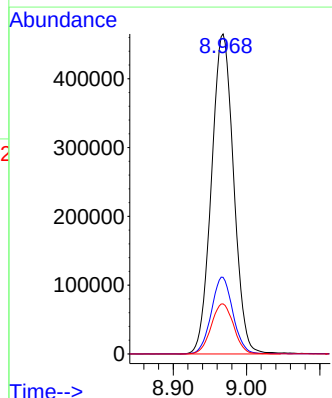
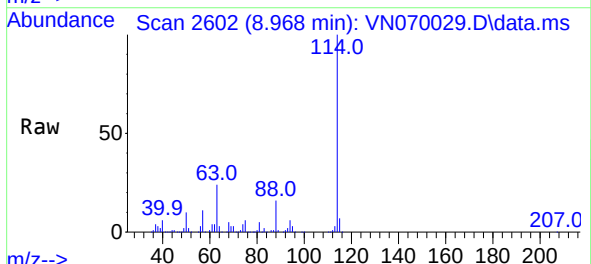
APPROVED

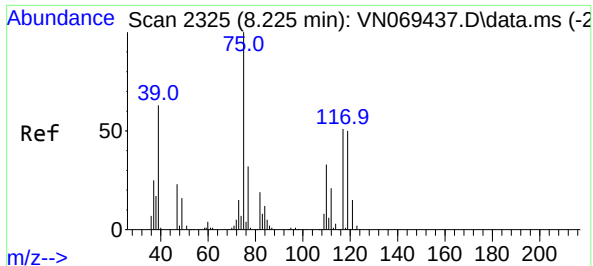
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion:114 Resp: 976983
Ion Ratio Lower Upper
114 100
63 23.5 15.8 23.6
88 15.9 11.6 17.4





#29
1,1-Dichloropropene
Concen: 175.919 ug/l
RT: 8.220 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

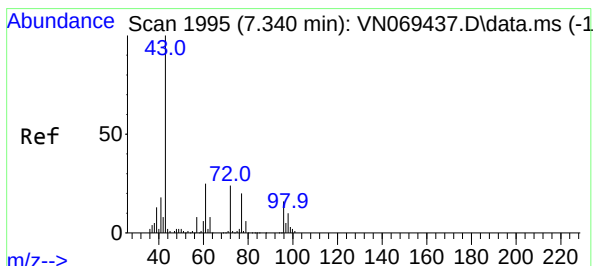
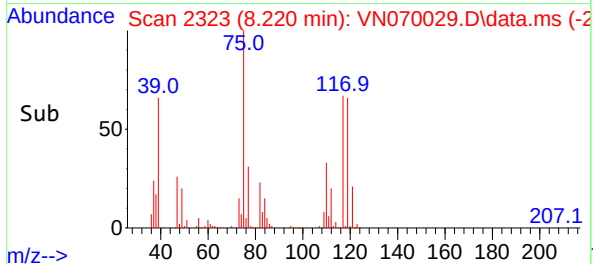
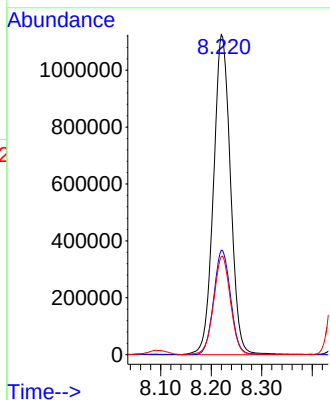
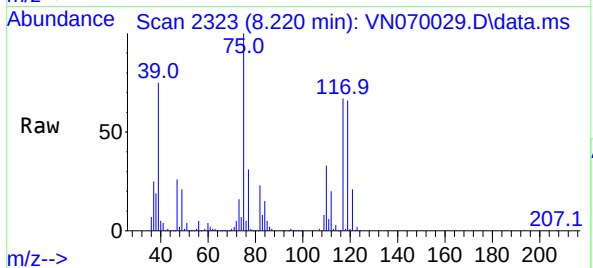
VSTDICC150

Tgt Ion: 75 Resp: 262359
Ion Ratio Lower Upper
75 100
110 32.5 0.0 74.2
77 30.4 0.0 63.2

Manual Integrations

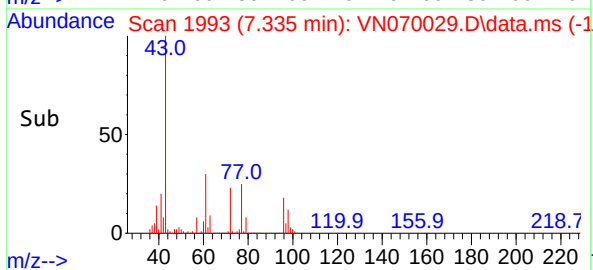
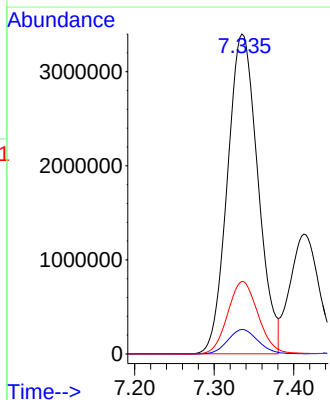
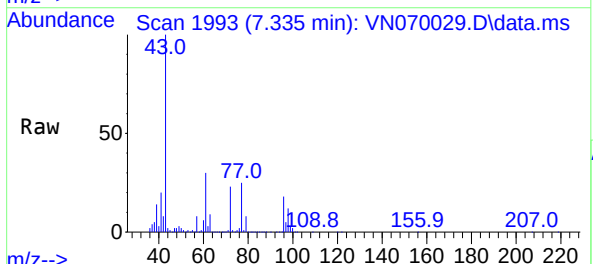
APPROVED

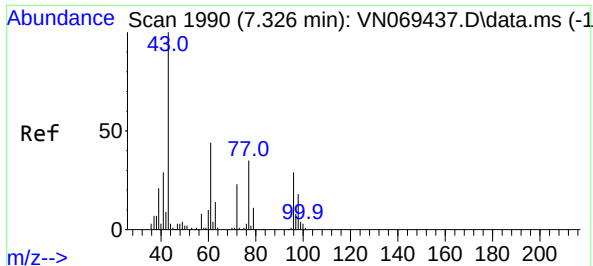
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#30
2-Butanone
Concen: 837.011 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 43 Resp: 9035425
Ion Ratio Lower Upper
43 100
57 7.6 6.7 10.1
72 22.8 23.2 34.8





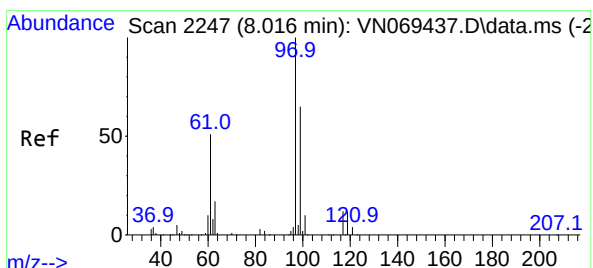
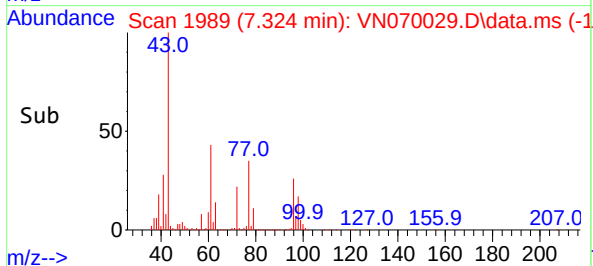
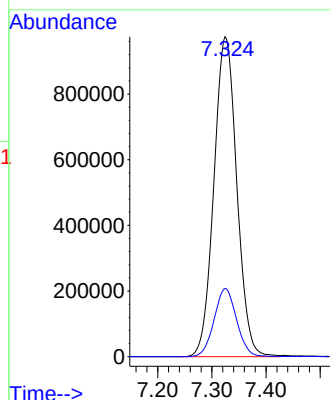
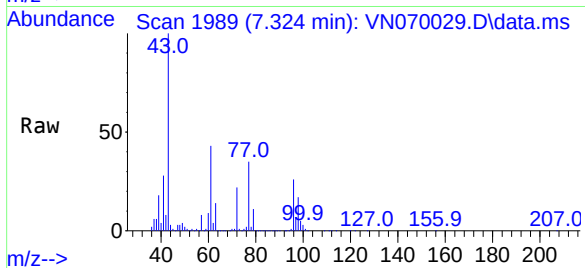
#31
2,2-Dichloropropane
Concen: 181.365 ug/l
RT: 7.324 min Scan# 1990
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 77 Resp: 285949
Ion Ratio Lower Upper
77 100
97 20.9 18.3 27.5

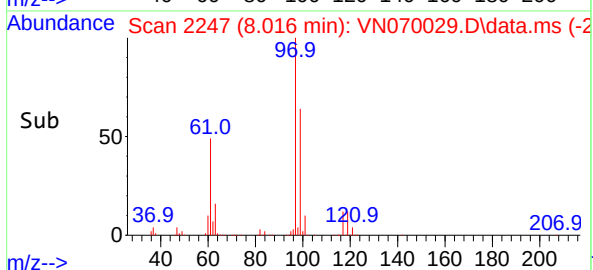
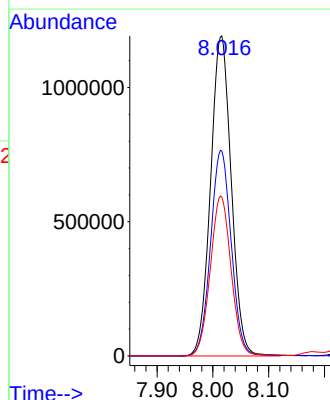
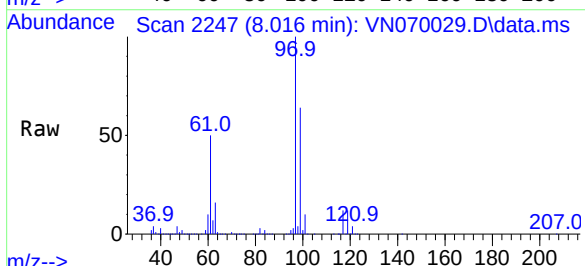
Manual Integrations
APPROVED

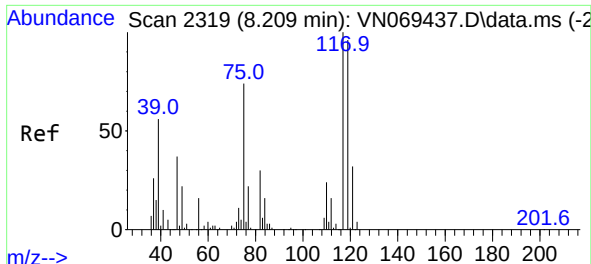
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#32
1,1,1-Trichloroethane
Concen: 176.370 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

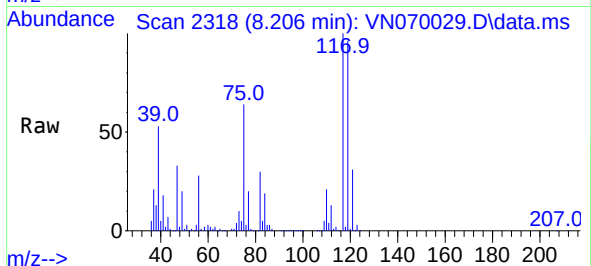
Tgt Ion: 97 Resp: 3070664
Ion Ratio Lower Upper
97 100
99 64.2 50.4 75.6
61 50.1 34.6 51.8





#33
Carbon Tetrachloride
Concen: 186.683 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

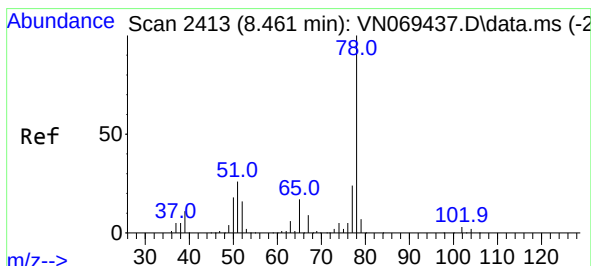
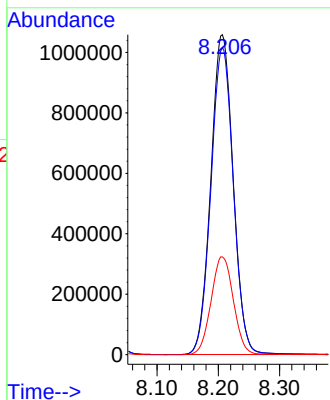
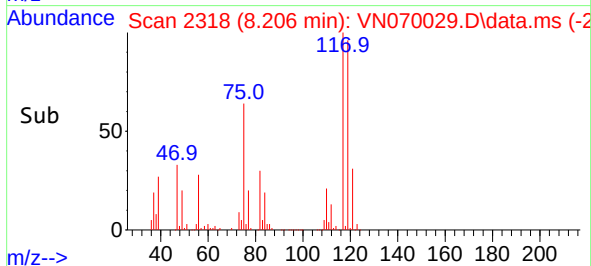
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



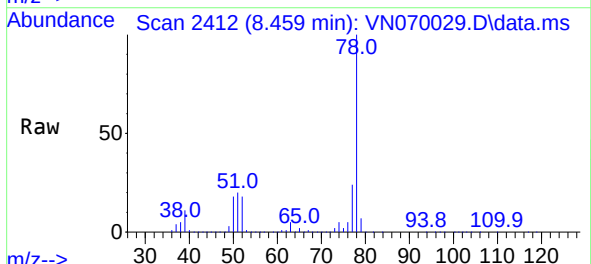
Tgt Ion: 117 Resp: 2684434
Ion Ratio Lower Upper
117 100
119 96.0 77.5 116.3
121 30.6 23.5 35.3

Manual Integrations
APPROVED

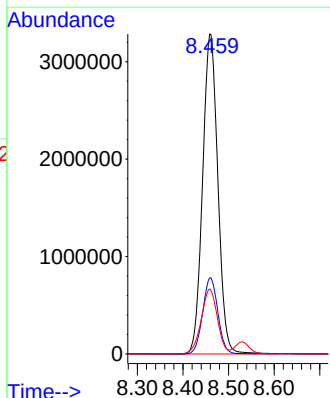
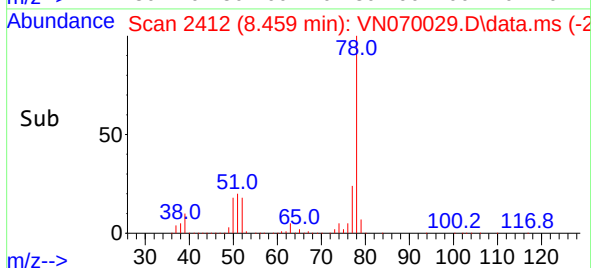
Reviewed By : John Carlone 12/14/2021
Supervised By : Amit Patel 12/15/2021

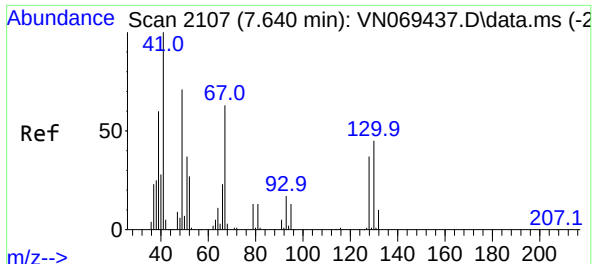


#34
Benzene
Concen: 168.247 ug/l
RT: 8.459 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 78 Resp: 7630487
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7
51 20.3 16.0 24.0





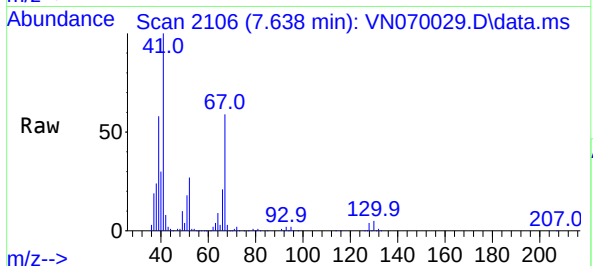
#35
Methacrylonitrile
Concen: 177.551 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

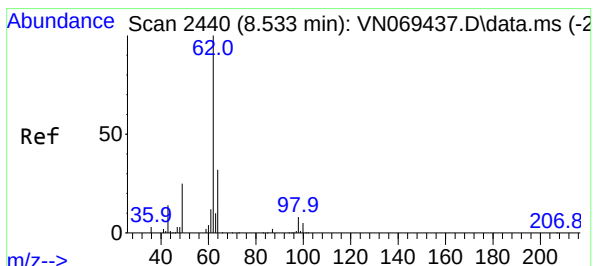
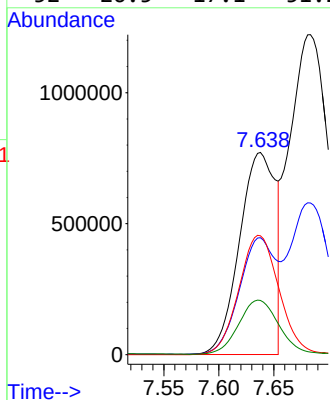
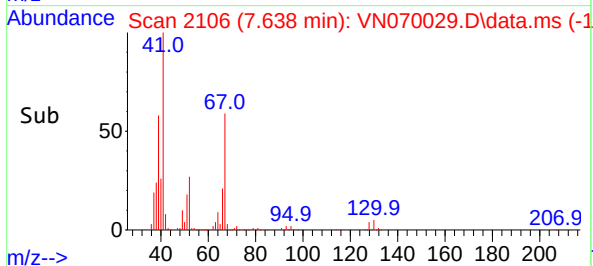


Tgt Ion: 41 Resp: 175788
Ion Ratio Lower Upper
41 100
39 57.7 28.0 83.9
67 58.8 37.7 113.1
52 26.5 17.1 51.2

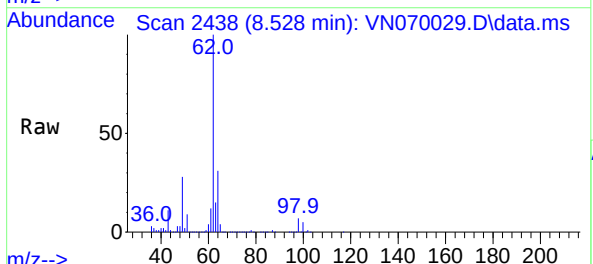
Manual Integrations

APPROVED

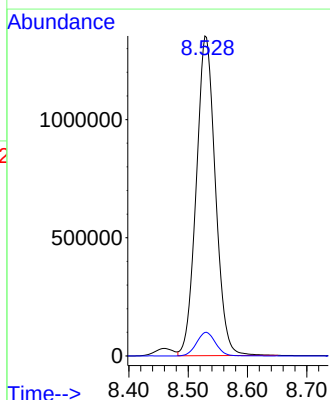
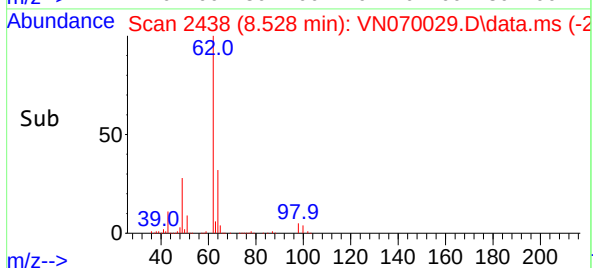
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

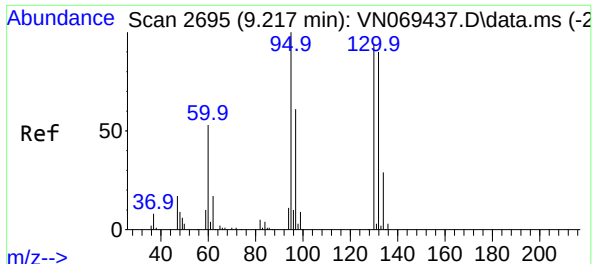


#36
1,2-Dichloroethane
Concen: 173.299 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 62 Resp: 3030082
Ion Ratio Lower Upper
62 100
98 7.4 6.6 10.0





#37

Trichloroethene

Concen: 168.820 ug/l

RT: 9.218 min Scan# 20

Delta R.T. 0.003 min

Lab File: VN070029.D

Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:130 Resp: 184971

Ion Ratio Lower Upper

130 100

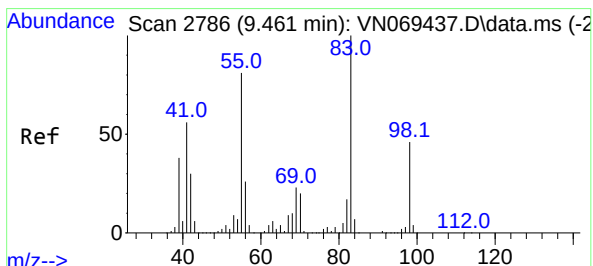
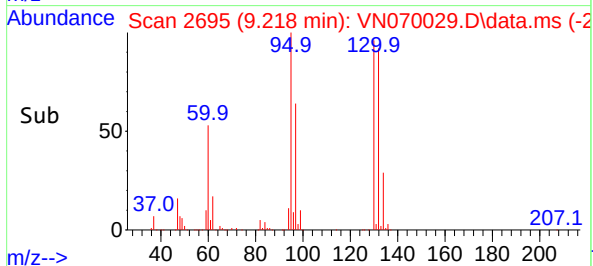
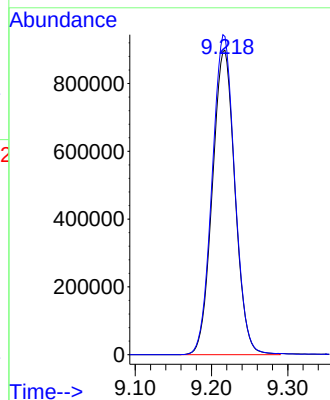
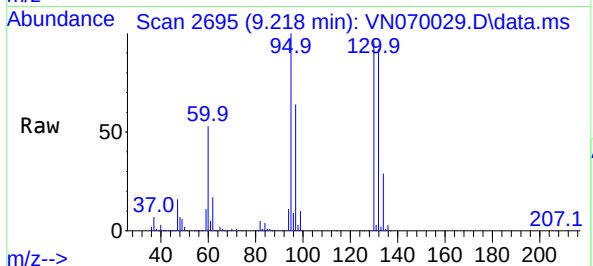
95 104.5 76.6 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#38

Methylcyclohexane

Concen: 171.570 ug/l

RT: 9.459 min Scan# 2785

Delta R.T. 0.000 min

Lab File: VN070029.D

Acq: 13 Dec 2021 12:01

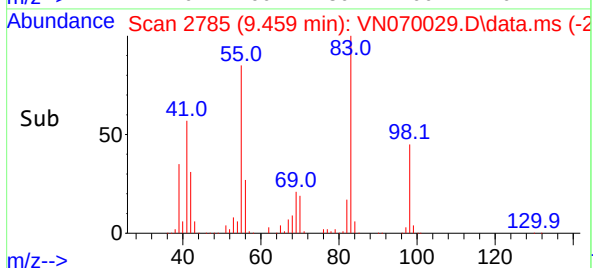
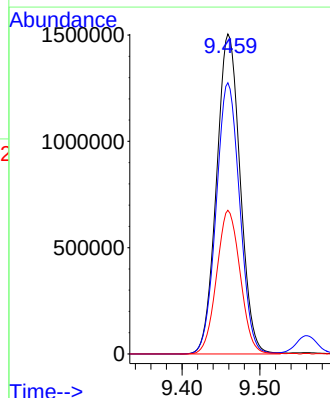
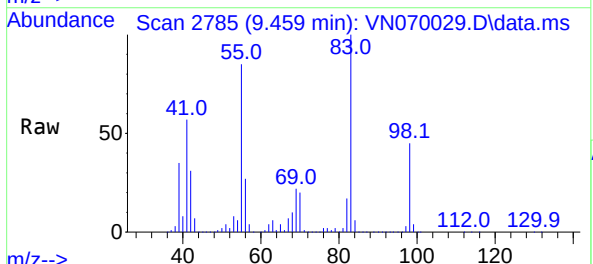
Tgt Ion: 83 Resp: 3165666

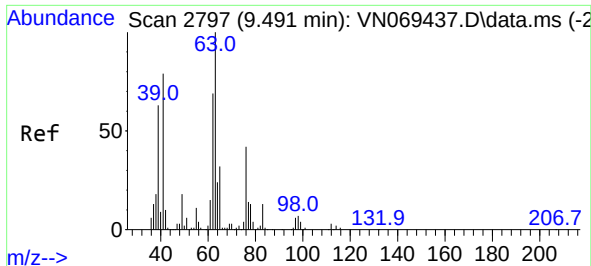
Ion Ratio Lower Upper

83 100

55 84.5 35.1 105.3

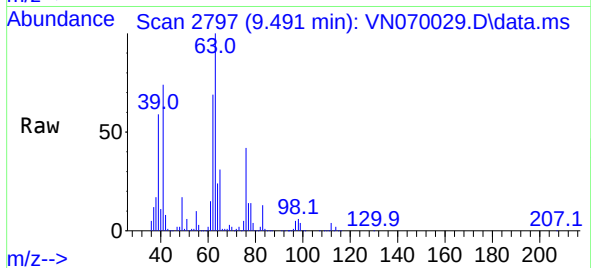
98 44.9 23.4 70.2





#39
1,2-Dichloropropane
Concen: 171.678 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

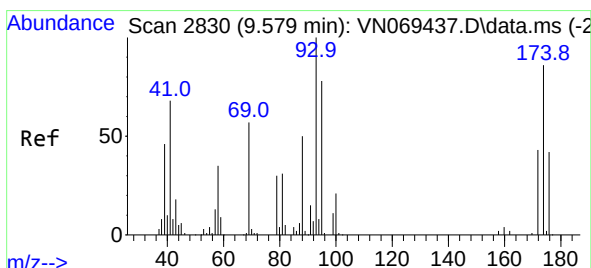
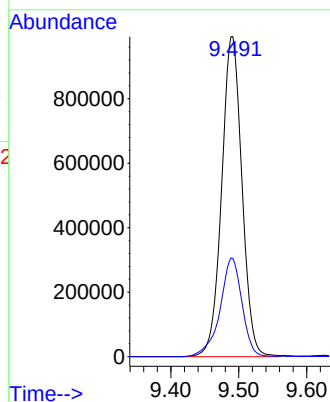
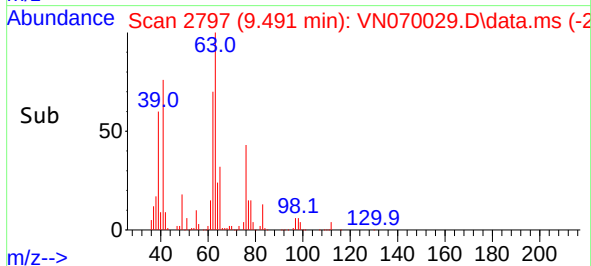
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



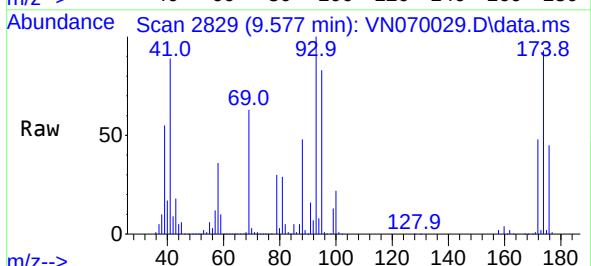
Tgt Ion: 63 Resp: 2062128
Ion Ratio Lower Upper
63 100
65 30.7 24.2 36.4

Manual Integrations
APPROVED

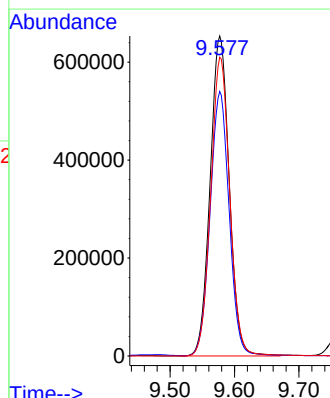
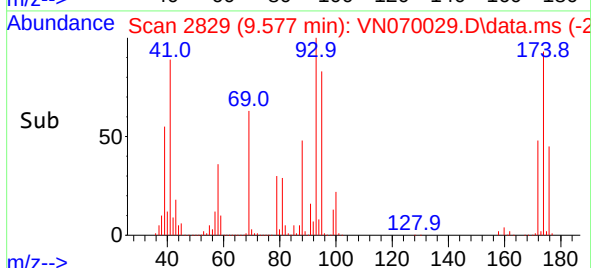
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

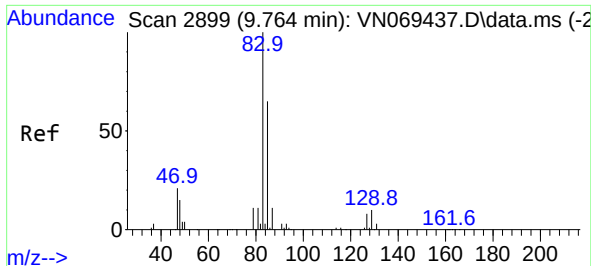


#40
Dibromomethane
Concen: 167.504 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 93 Resp: 1347480
Ion Ratio Lower Upper
93 100
95 82.1 0.0 168.8
174 93.0 0.0 173.6





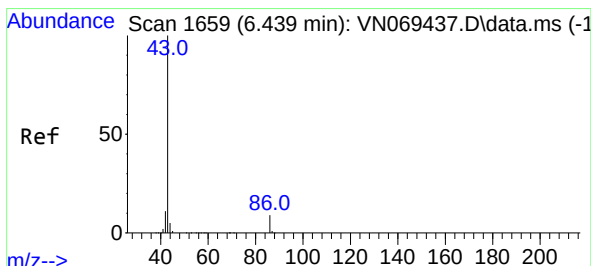
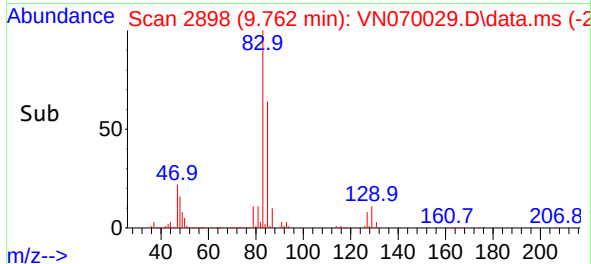
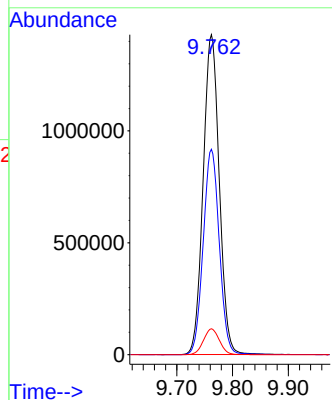
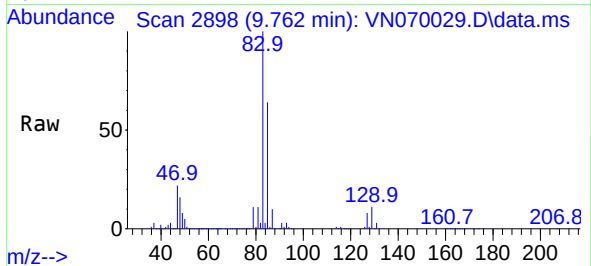
#41
Bromodichloromethane
Concen: 189.828 ug/l
RT: 9.762 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 2866290
Ion Ratio Lower Upper
83 100
85 64.2 54.1 81.1
127 8.1 7.6 11.4

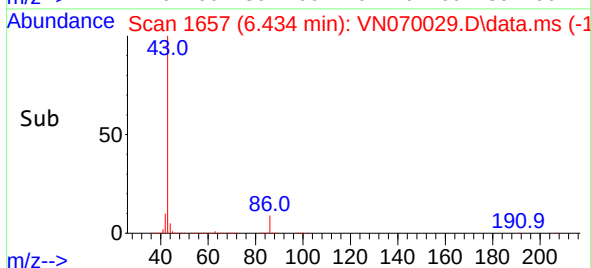
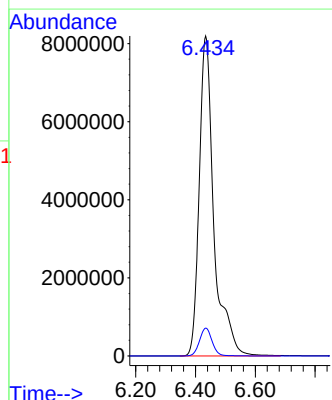
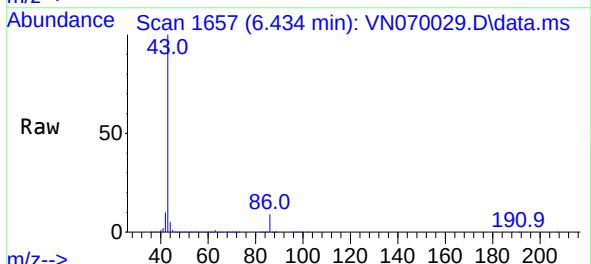
Manual Integrations
APPROVED

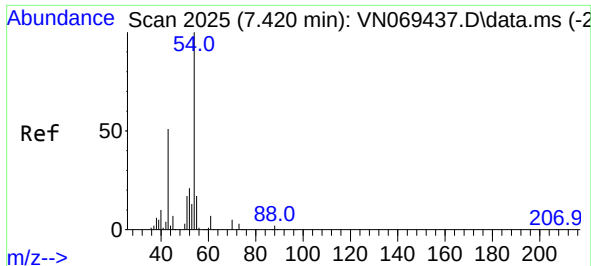
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#42
Vinyl Acetate
Concen: 913.155 ug/l
RT: 6.434 min Scan# 1657
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 43 Resp: 27857281
Ion Ratio Lower Upper
43 100
86 7.5 7.5 11.3#





#43

Ethyl Acetate

Concen: 165.489 ug/l

RT: 7.413 min Scan# 20

Delta R.T. -0.002 min

Lab File: VN070029.D

Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 331065

Ion Ratio Lower Upper

43 100

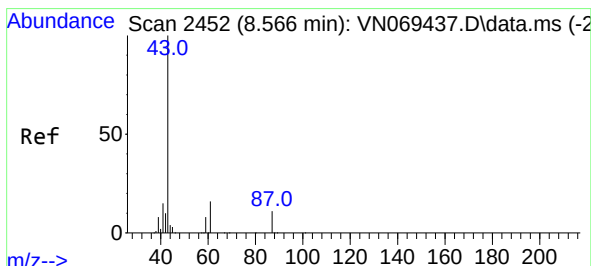
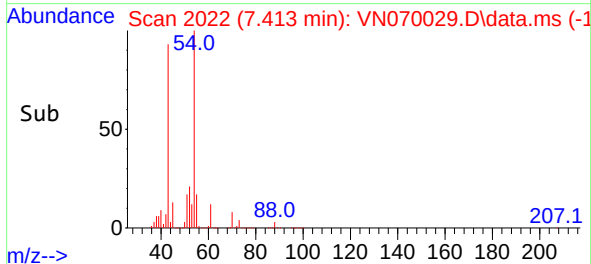
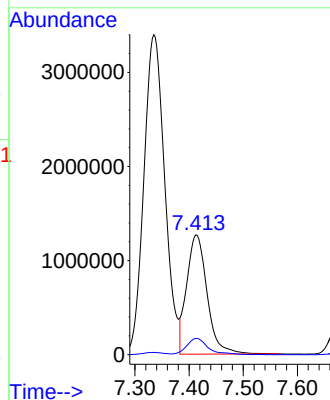
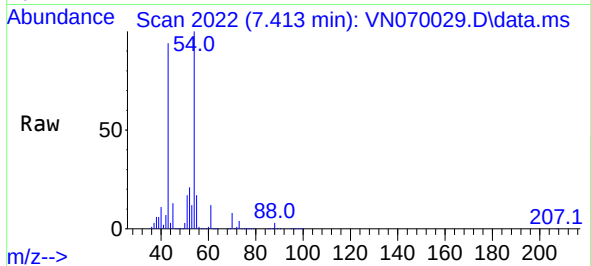
45 14.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#44

Isopropyl Acetate

Concen: 173.367 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN070029.D

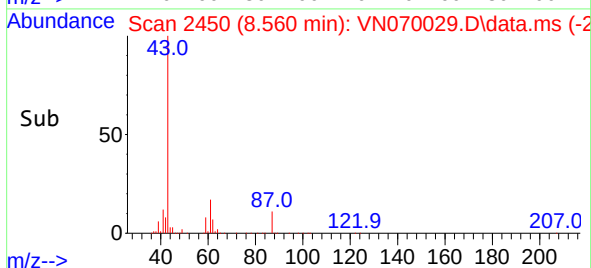
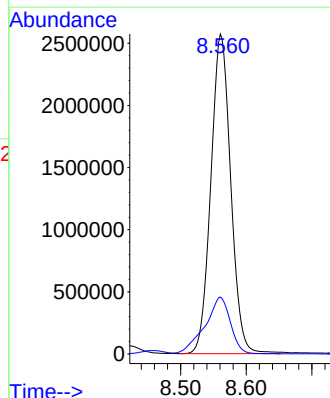
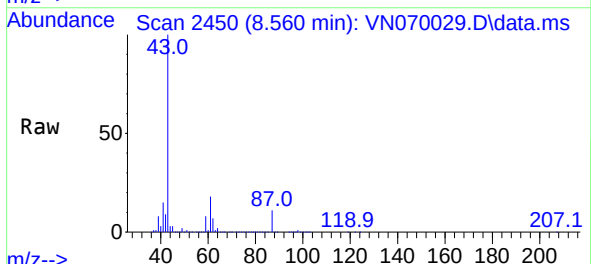
Acq: 13 Dec 2021 12:01

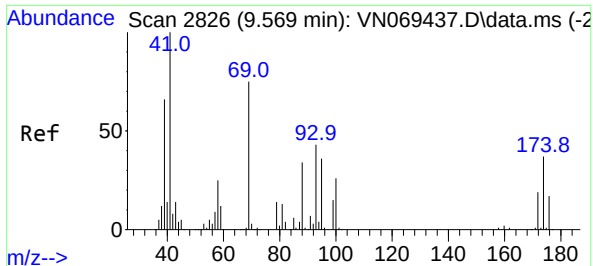
Tgt Ion: 43 Resp: 5407093

Ion Ratio Lower Upper

43 100

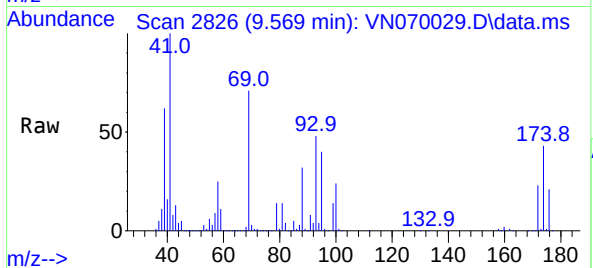
61 22.8 20.1 30.1





#45
1,4-Dioxane
Concen: 3032.538 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

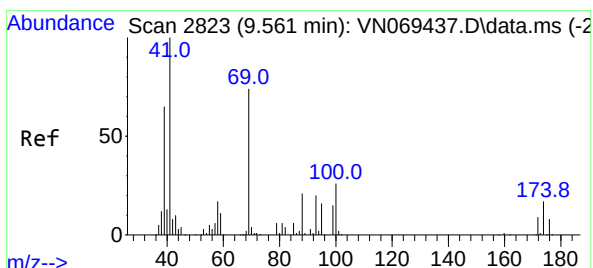
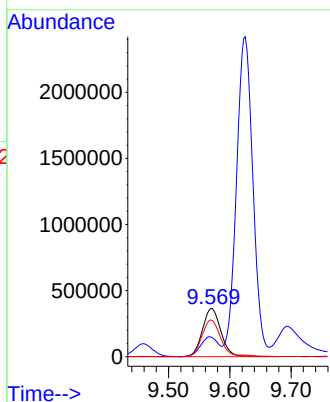
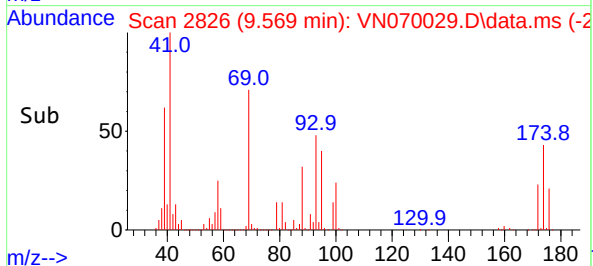
Instrument :
MSVOA_N
Client SampleId :
VSTDIC150



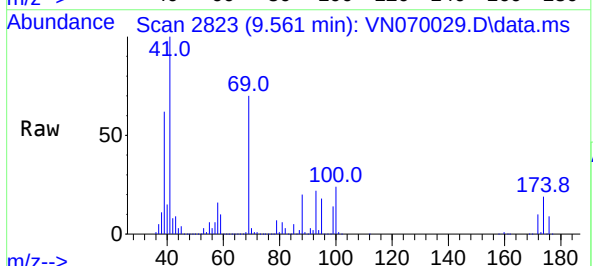
Tgt Ion: 88 Resp: 767768
Ion Ratio Lower Upper
88 100
43 38.9 25.0 37.6
58 75.1 49.4 74.2

Manual Integrations
APPROVED

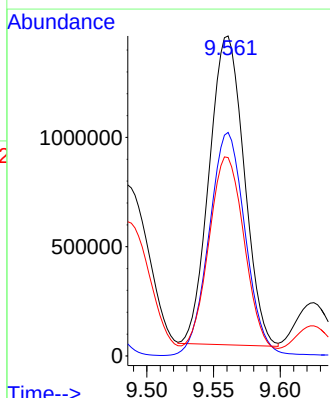
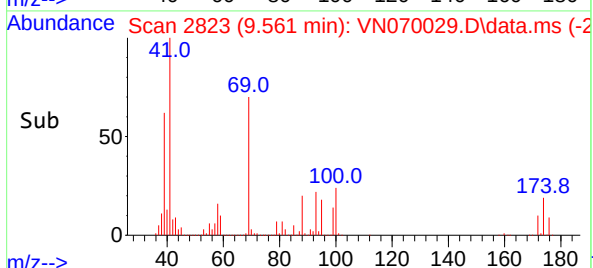
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

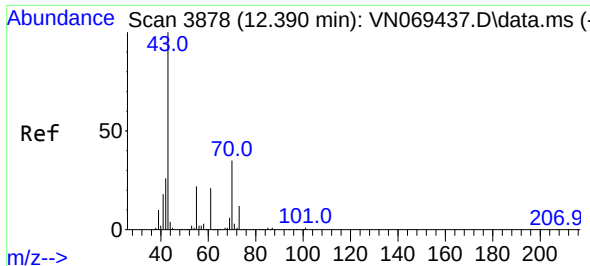


#46
Methyl methacrylate
Concen: 179.114 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



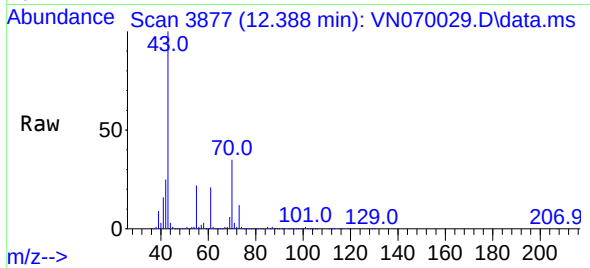
Tgt Ion: 41 Resp: 2572828
Ion Ratio Lower Upper
41 100
69 71.8 44.4 133.2
39 62.1 39.9 119.6





#47
n-amy1 Acetate
Concen: 180.493 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

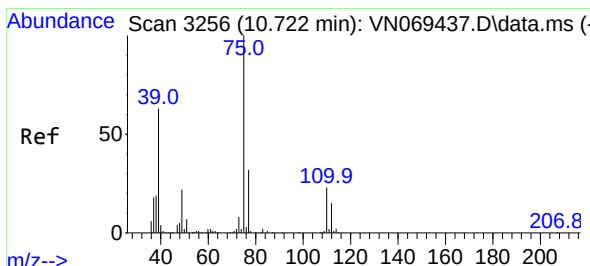
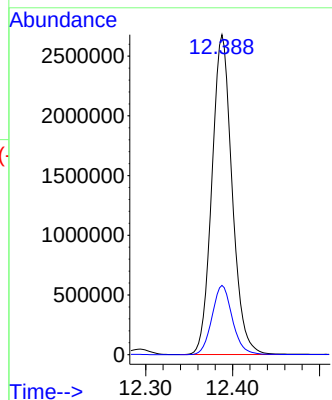
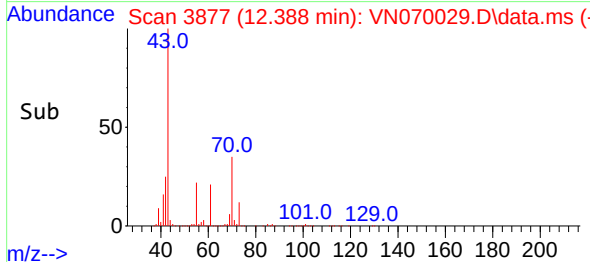
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



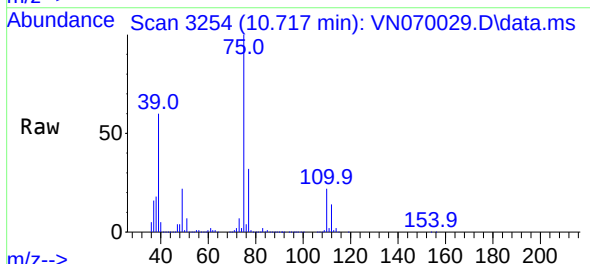
Tgt Ion: 43 Resp: 432282
Ion Ratio Lower Upper
43 100
55 21.9 19.0 28.6

Manual Integrations
APPROVED

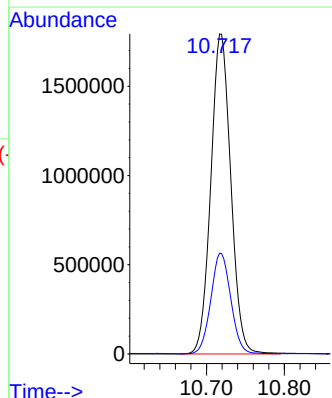
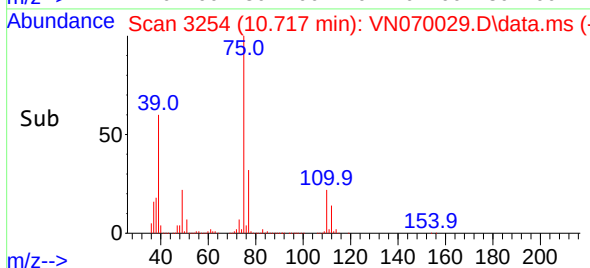
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

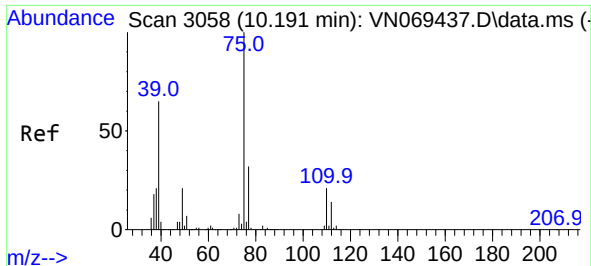


#48
t-1,3-Dichloropropene
Concen: 197.004 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 75 Resp: 3192321
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9





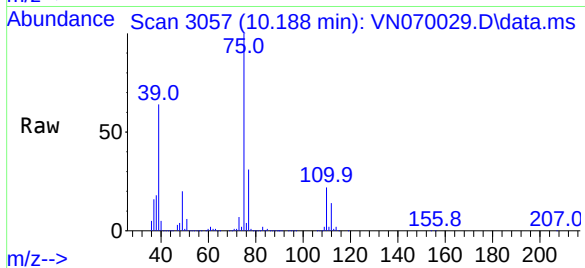
#49
 cis-1,3-Dichloropropene
 Concen: 190.374 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. 0.003 min
 Lab File: VN070029.D
 Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150



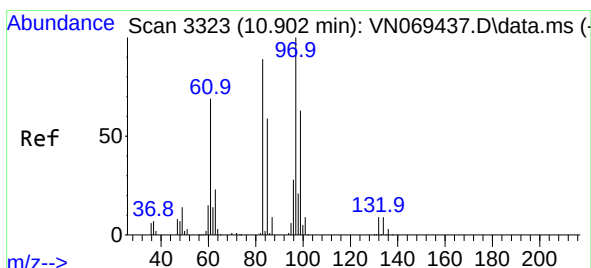
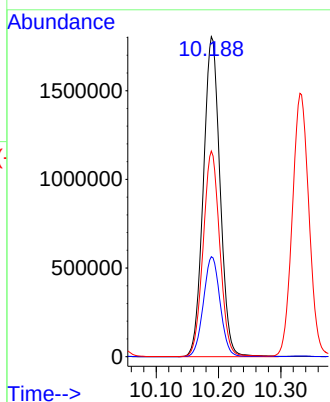
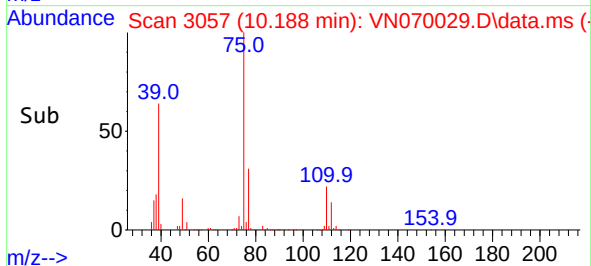
Tgt Ion: 75 Resp: 3356869

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	64.2	46.2	69.4

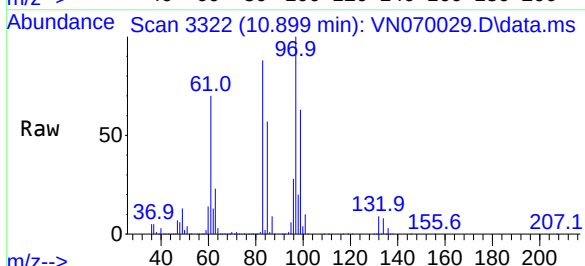
Manual Integrations

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Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021

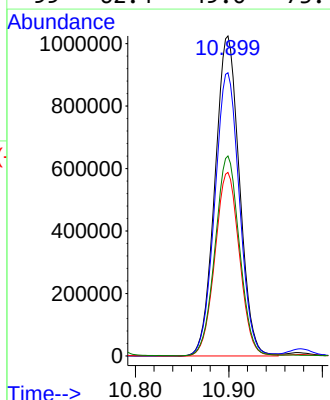
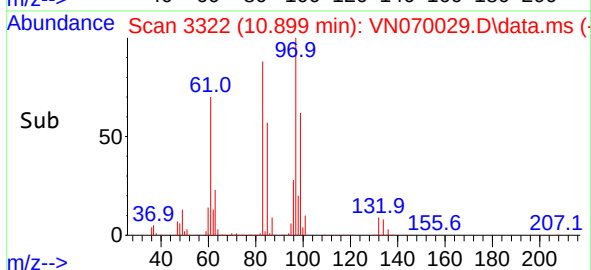


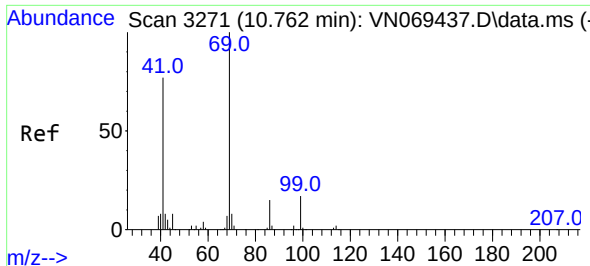
#50
 1,1,2-Trichloroethane
 Concen: 163.524 ug/l
 RT: 10.899 min Scan# 3322
 Delta R.T. 0.003 min
 Lab File: VN070029.D
 Acq: 13 Dec 2021 12:01



Tgt Ion: 97 Resp: 1868024

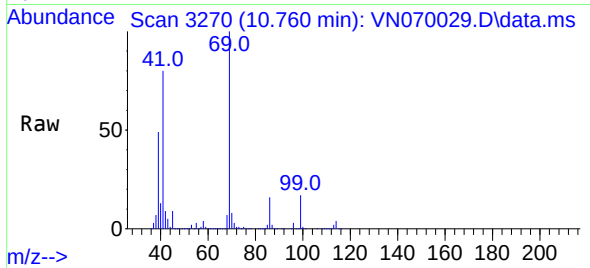
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.2	100.8
85	57.3	43.0	64.4
99	62.4	49.0	73.4





#51
Ethyl methacrylate
Concen: 176.463 ug/l
RT: 10.760 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

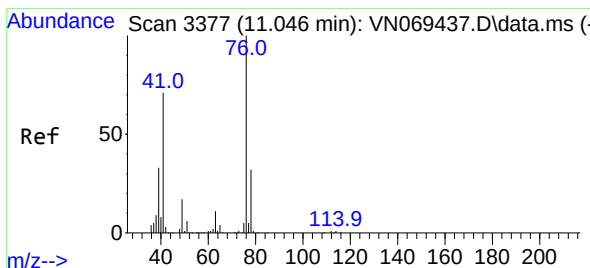
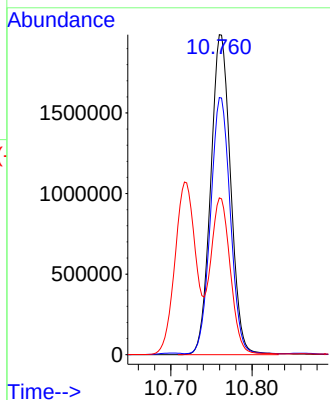
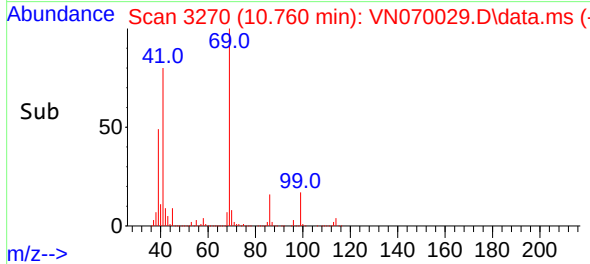
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 69 Resp: 3379725
Ion Ratio Lower Upper
69 100
41 80.0 33.0 98.9
39 48.7 25.4 76.4

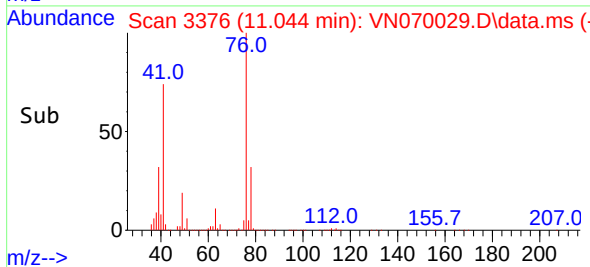
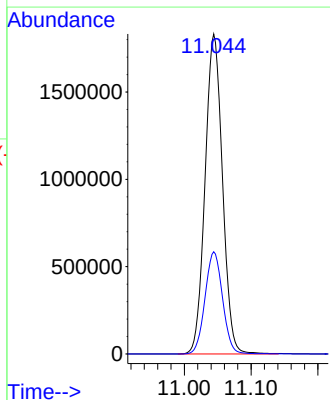
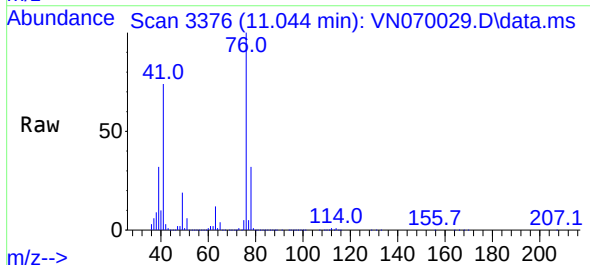
Manual Integrations
APPROVED

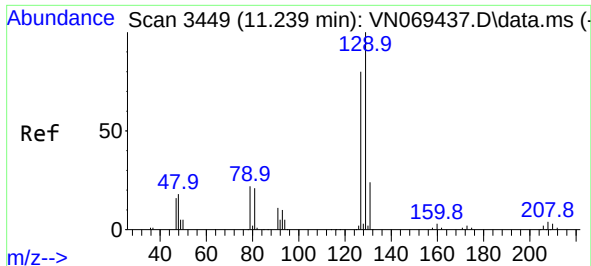
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#52
1,3-Dichloropropane
Concen: 168.137 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 76 Resp: 3317721
Ion Ratio Lower Upper
76 100
78 32.2 0.0 65.4





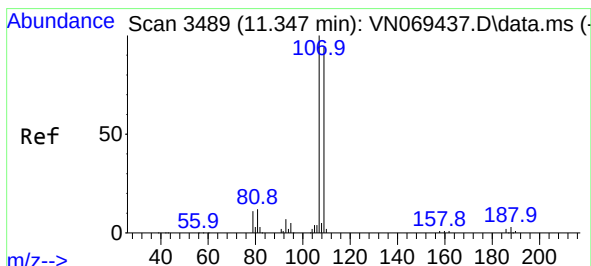
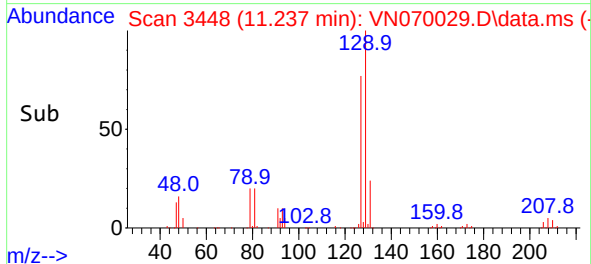
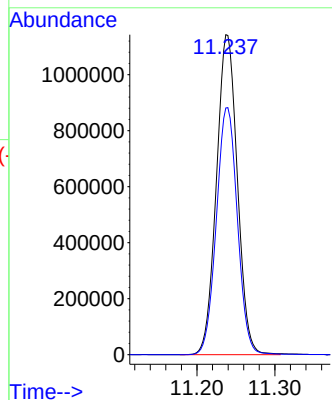
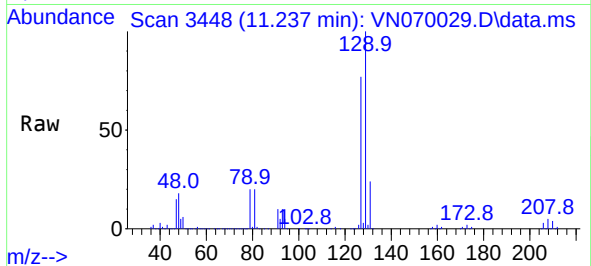
#53
Dibromochloromethane
Concen: 194.845 ug/l
RT: 11.237 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:129 Resp: 212696
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0

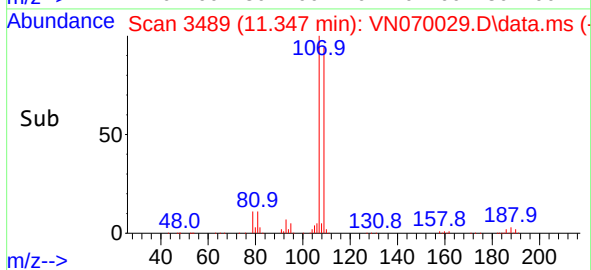
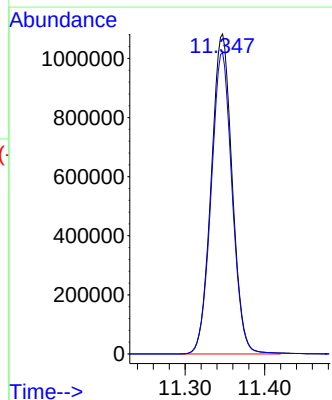
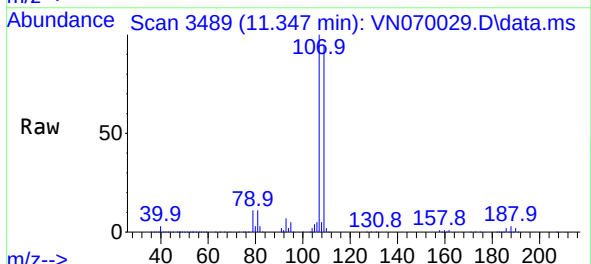
Manual Integrations
APPROVED

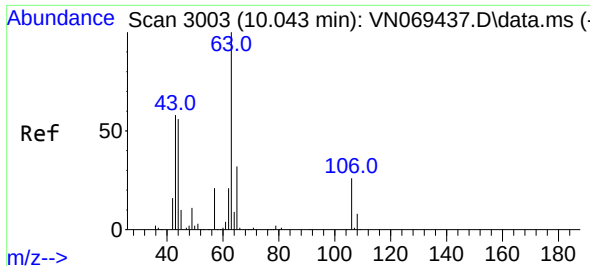
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#54
1,2-Dibromoethane
Concen: 168.091 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

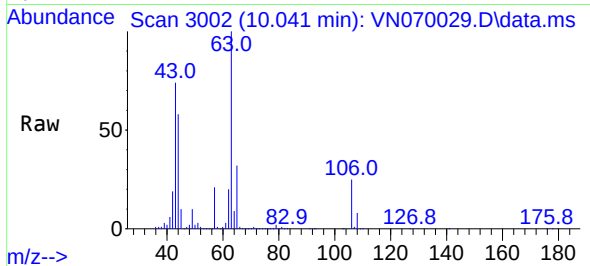
Tgt Ion:107 Resp: 1988637
Ion Ratio Lower Upper
107 100
109 94.0 72.8 109.2





#55
2-Chloroethyl vinyl ether
Concen: 902.159 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

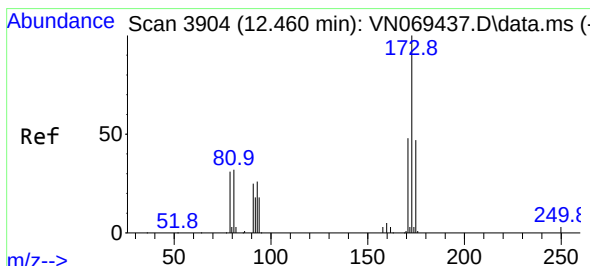
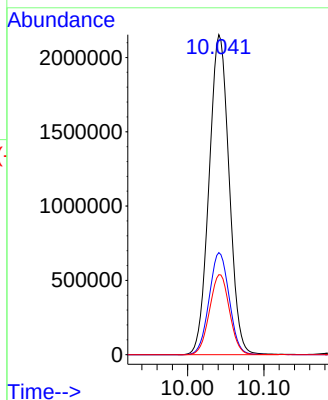
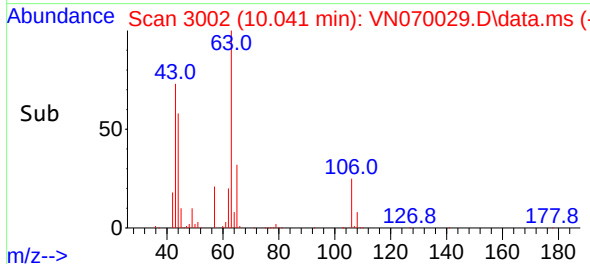
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



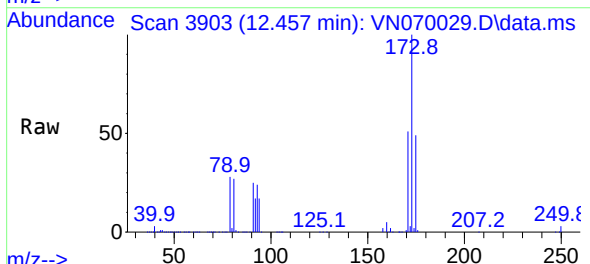
Tgt Ion: 63 Resp: 3930278
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.0
106 25.0 23.2 34.8

Manual Integrations
APPROVED

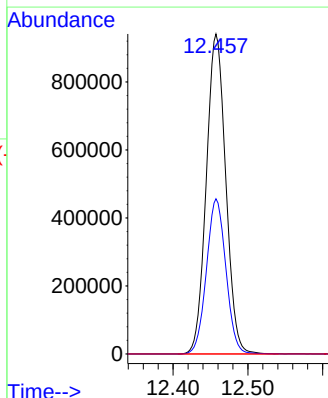
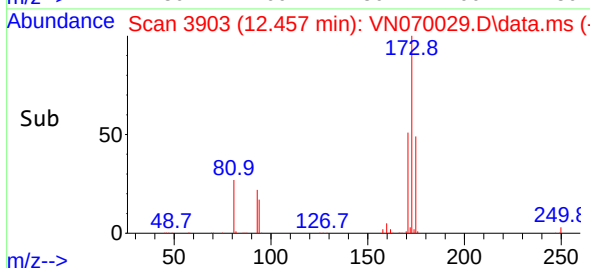
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

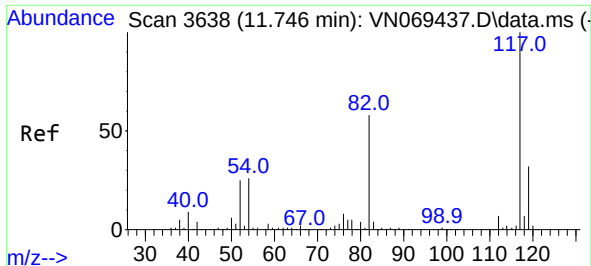


#56
Bromoform
Concen: 217.565 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion:173 Resp: 1703084
Ion Ratio Lower Upper
173 100
175 48.4 38.6 58.0
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 3109
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

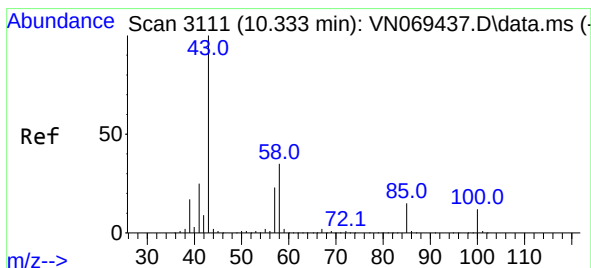
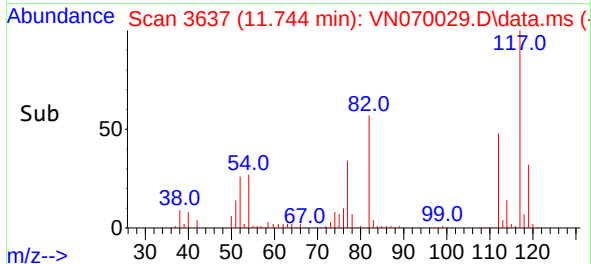
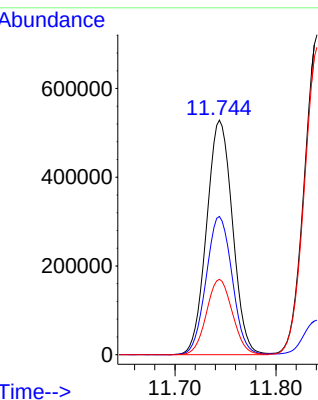
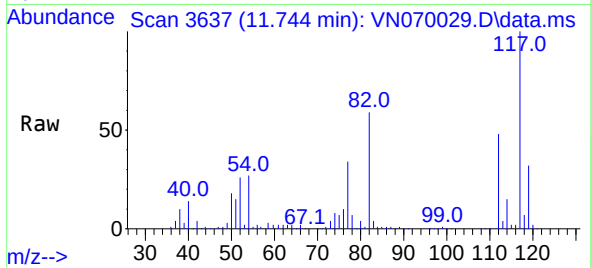
VSTDICC150

Tgt Ion:117 Resp: 942063
Ion Ratio Lower Upper
117 100
82 59.2 43.6 65.4
119 32.1 25.8 38.6

Manual Integrations

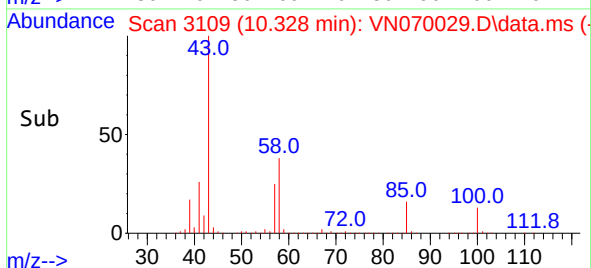
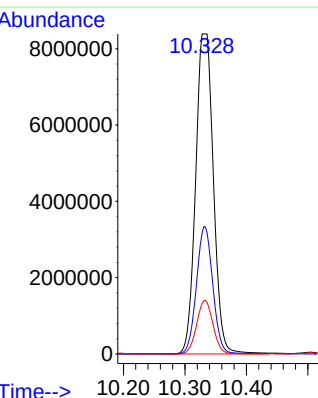
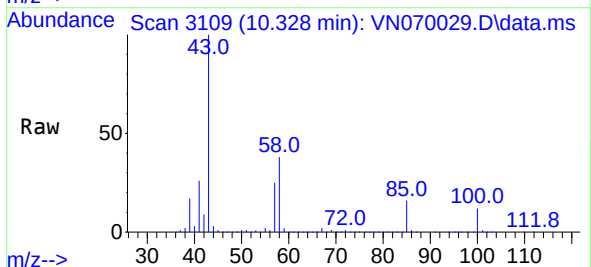
APPROVED

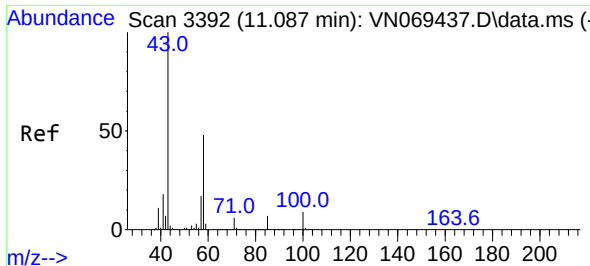
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#58
4-Methyl-2-Pentanone
Concen: 814.481 ug/l m
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

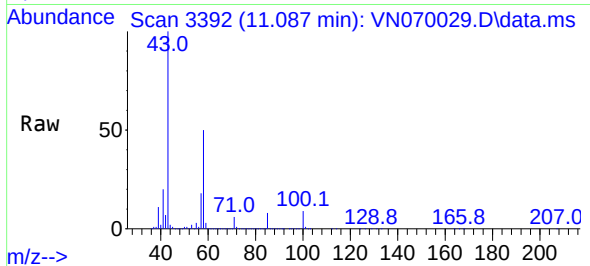
Tgt Ion: 43 Resp:16842666
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#
85 0.0 15.0 22.6#





#59
2-Hexanone
Concen: 820.724 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

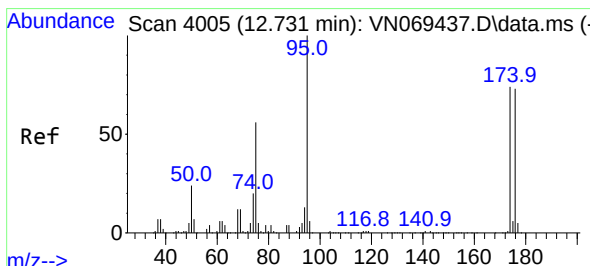
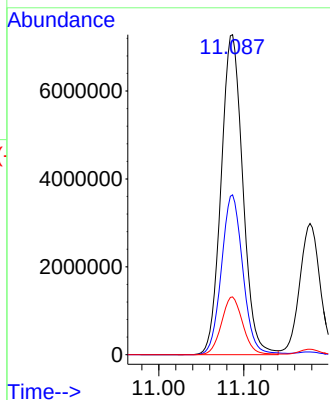
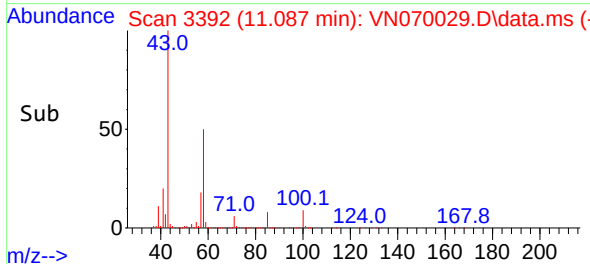
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



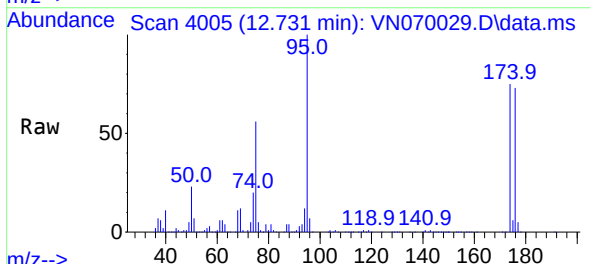
Tgt Ion: 43 Resp:1290987
Ion Ratio Lower Upper
43 100
58 49.4 42.2 63.2
57 17.8 15.0 22.4

Manual Integrations
APPROVED

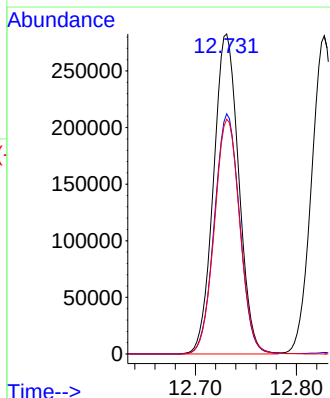
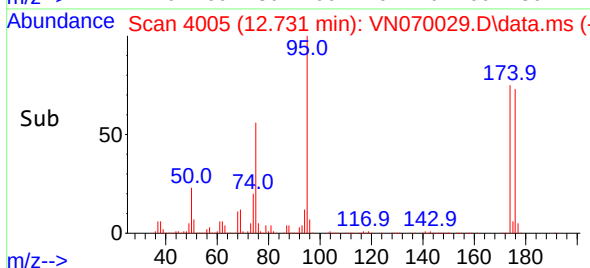
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

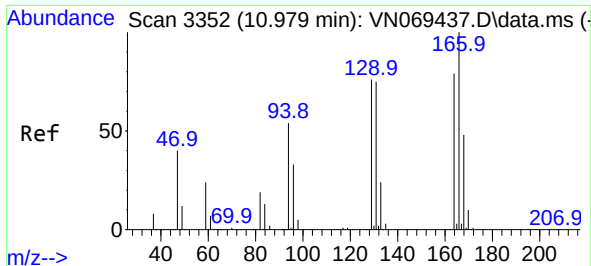


#60
4-Bromofluorobenzene
Concen: 32.493 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



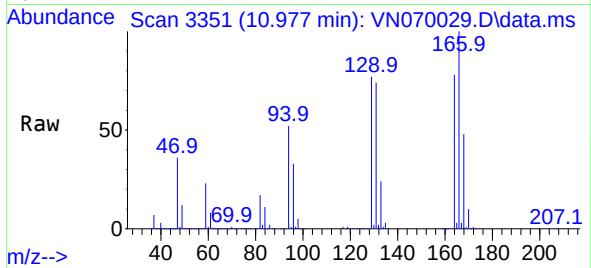
Tgt Ion: 95 Resp: 489853
Ion Ratio Lower Upper
95 100
174 75.3 62.9 94.3
176 73.8 61.0 91.4





#61
Tetrachloroethene
Concen: 156.523 ug/l
RT: 10.977 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

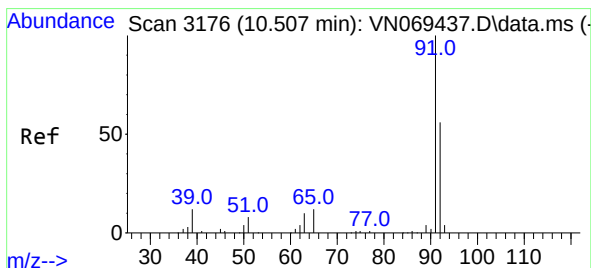
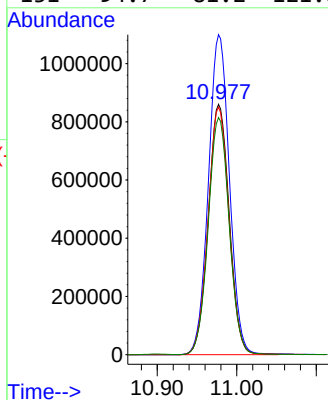
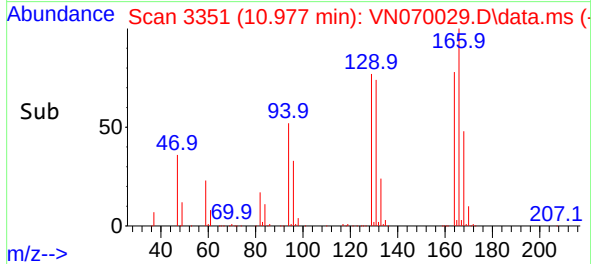


Tgt Ion:164 Resp: 158263

Ion	Ratio	Lower	Upper
164	100		
166	127.8	105.8	158.8
129	98.9	82.5	123.7
131	94.7	81.2	121.8

Manual Integrations
APPROVED

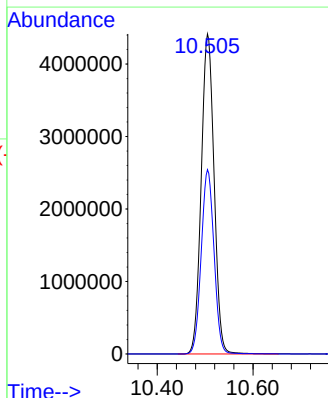
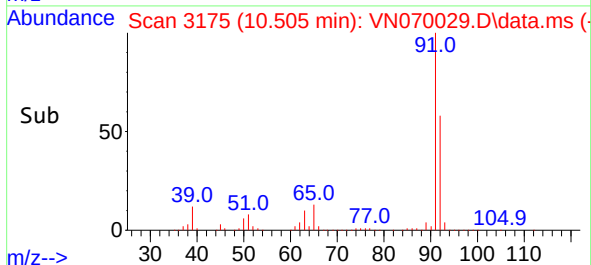
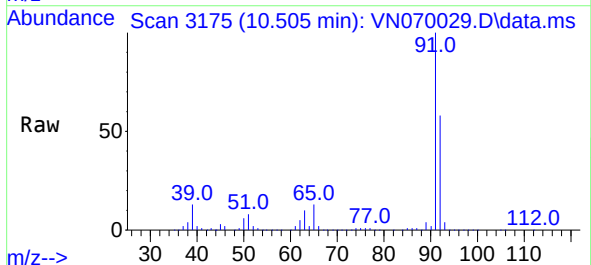
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

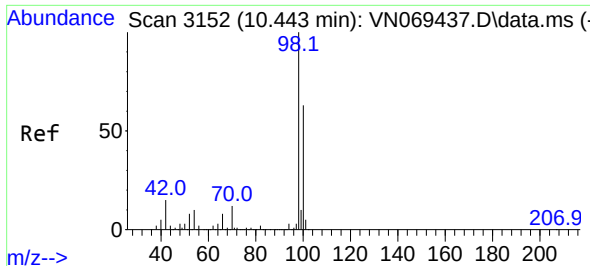


#62
Toluene
Concen: 159.530 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 91 Resp: 8258536

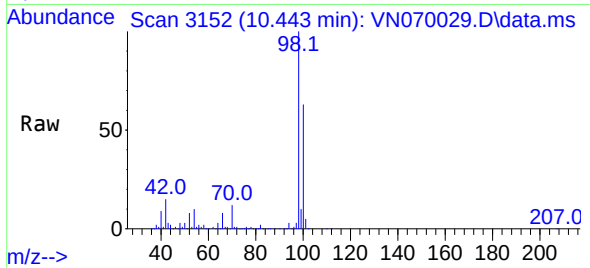
Ion	Ratio	Lower	Upper
91	100		
92	57.2	44.6	67.0





#63
Toluene-d8
Concen: 28.903 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

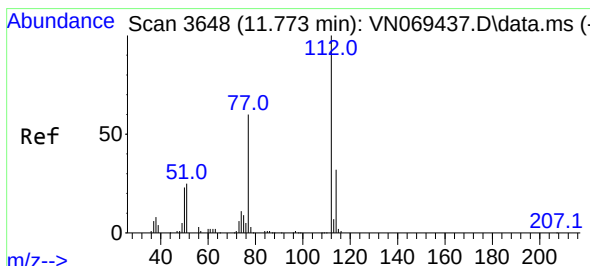
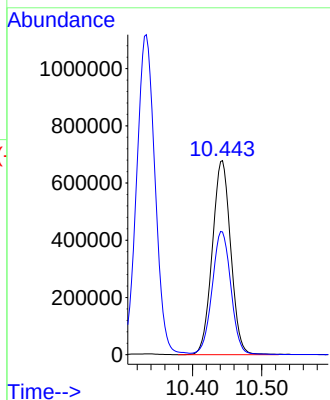
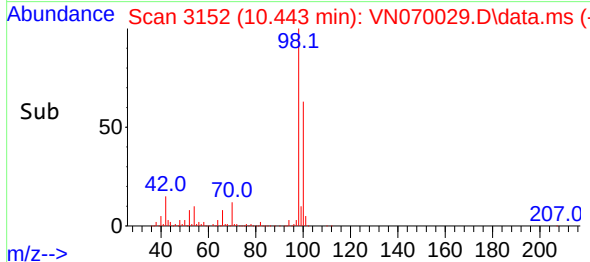
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



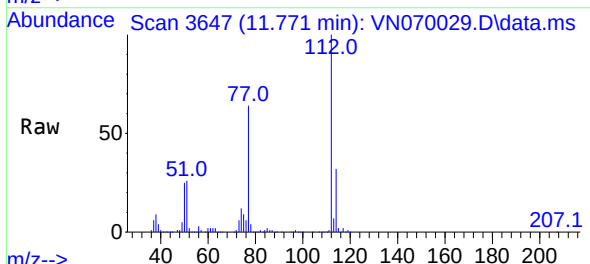
Tgt Ion: 98 Resp: 125719
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0

Manual Integrations
APPROVED

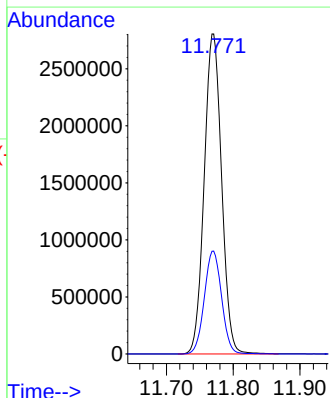
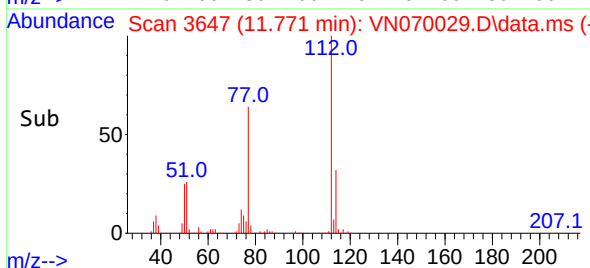
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

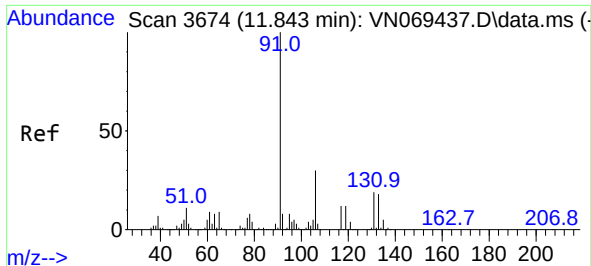


#64
Chlorobenzene
Concen: 163.458 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



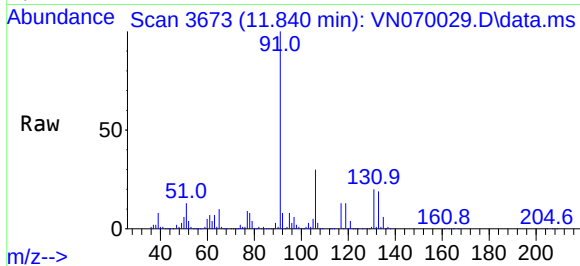
Tgt Ion:112 Resp: 5076794
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 173.151 ug/l
RT: 11.840 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

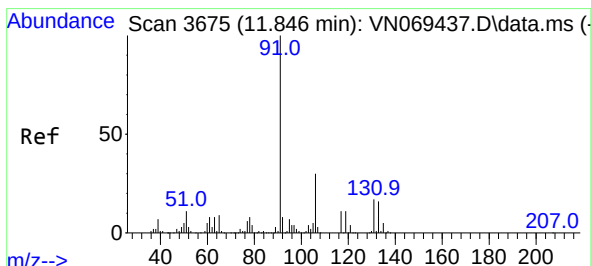
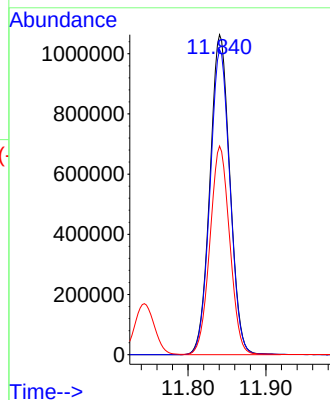
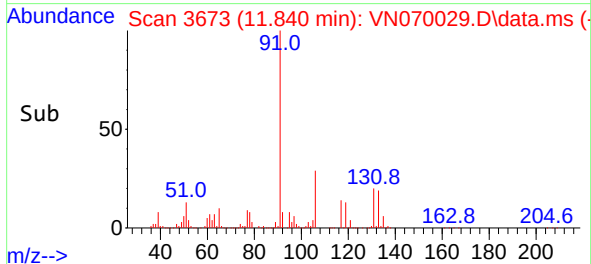
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



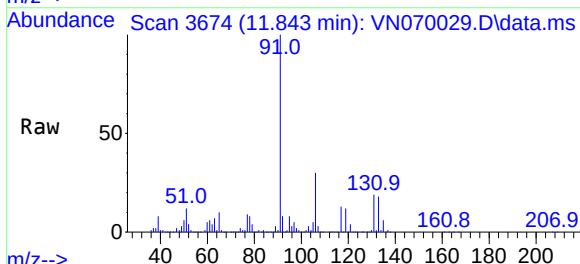
Tgt Ion:131 Resp: 189331
Ion Ratio Lower Upper
131 100
133 95.4 0.0 191.2
119 64.2 0.0 128.8

Manual Integrations
APPROVED

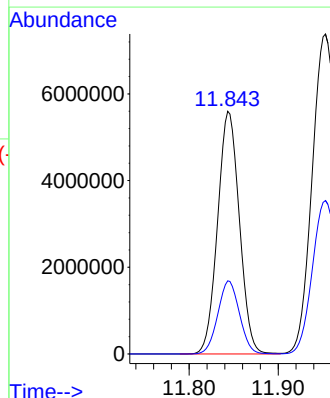
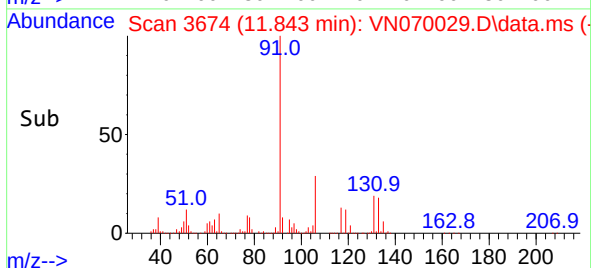
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

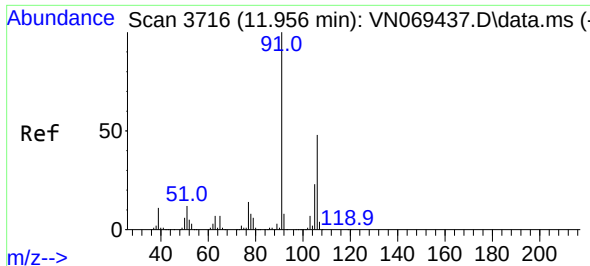


#66
Ethyl Benzene
Concen: 166.113 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 91 Resp: 9518307
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0





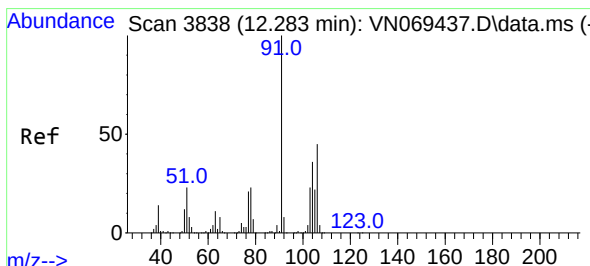
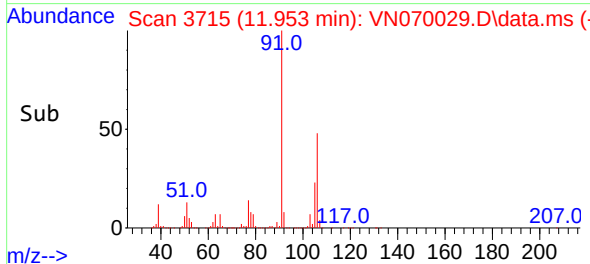
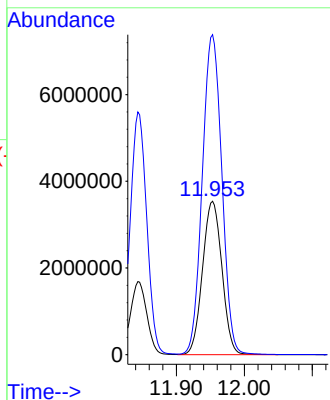
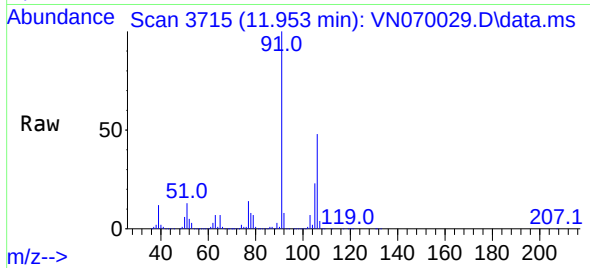
#67
m/p-Xylenes
Concen: 329.529 ug/l
RT: 11.953 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 701316
Ion Ratio Lower Upper
106 100
91 210.2 162.9 244.3

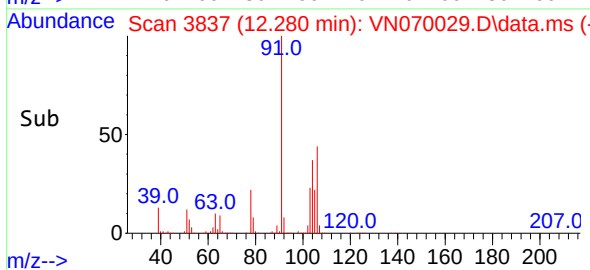
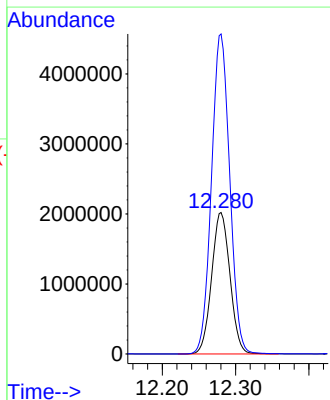
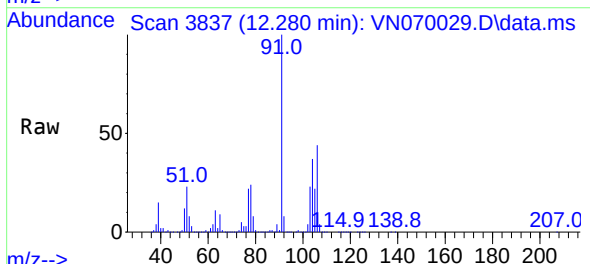
Manual Integrations
APPROVED

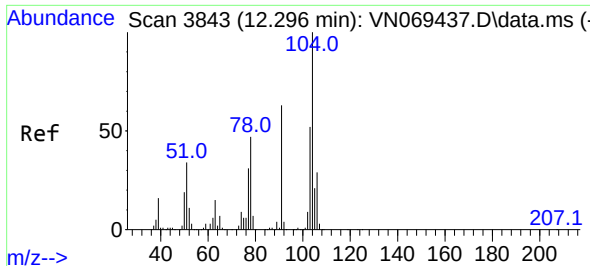
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#68
o-Xylene
Concen: 164.865 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

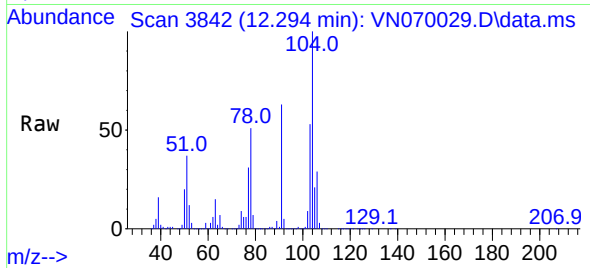
Tgt Ion:106 Resp: 3513171
Ion Ratio Lower Upper
106 100
91 225.2 107.7 323.1





#69
Styrene
Concen: 172.081 ug/l
RT: 12.294 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

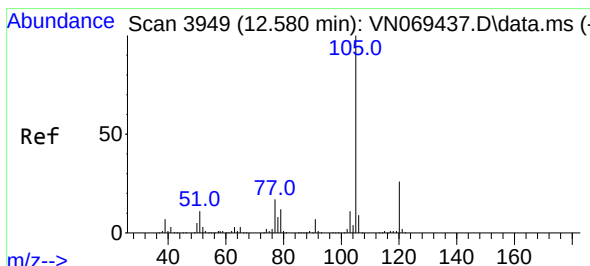
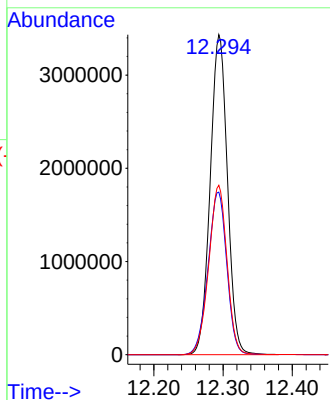
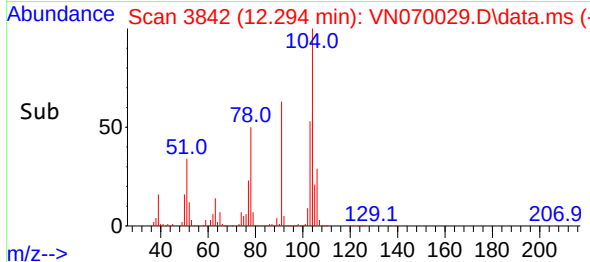
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



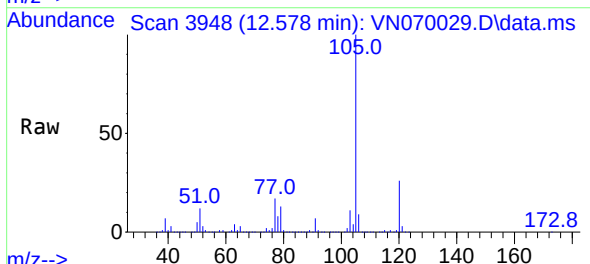
Tgt Ion:104 Resp: 5944969
Ion Ratio Lower Upper
104 100
78 55.3 40.7 61.1
103 56.1 45.8 68.8

Manual Integrations
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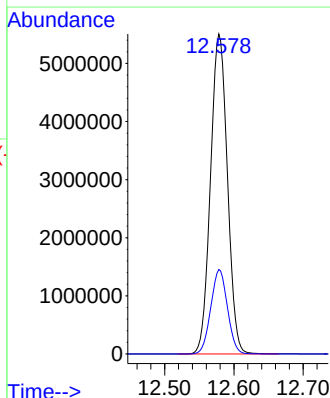
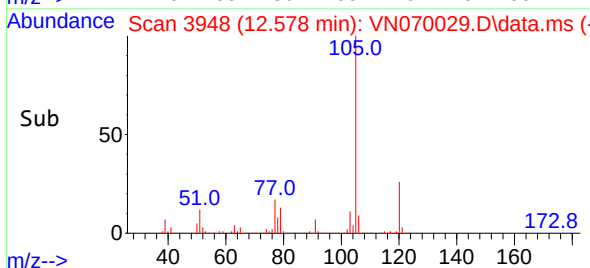
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

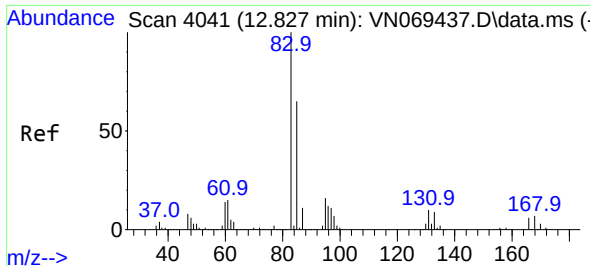


#70
Isopropylbenzene
Concen: 167.284 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



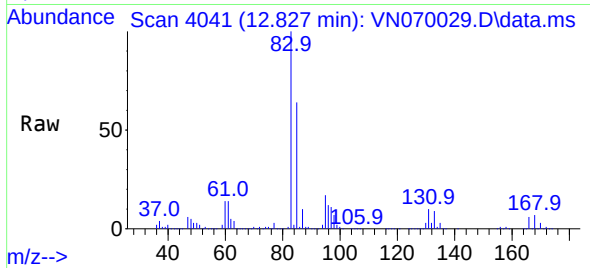
Tgt Ion:105 Resp: 9322663
Ion Ratio Lower Upper
105 100
120 26.0 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 157.043 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

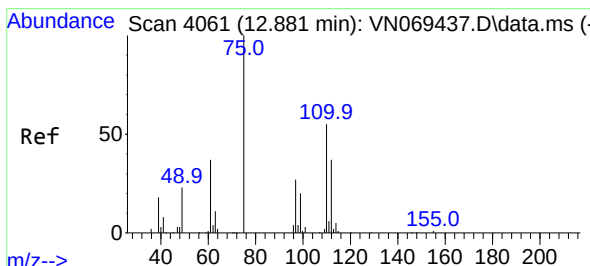
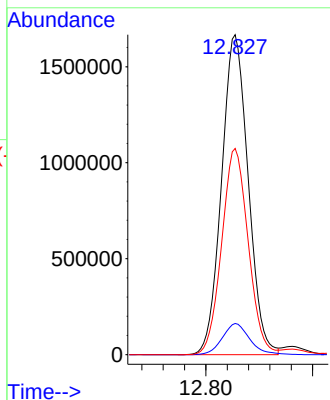
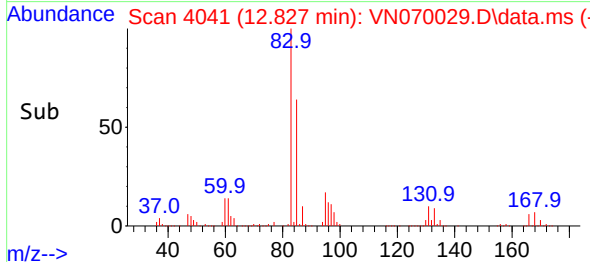
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



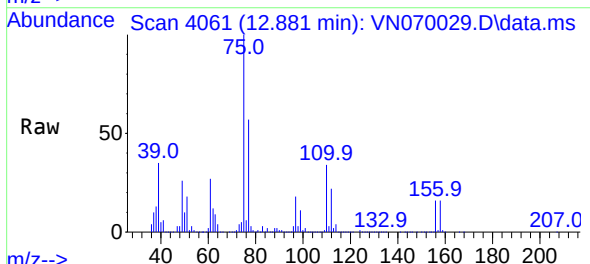
Tgt Ion: 83 Resp: 288792
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.3
85 64.2 33.1 99.2

Manual Integrations
APPROVED

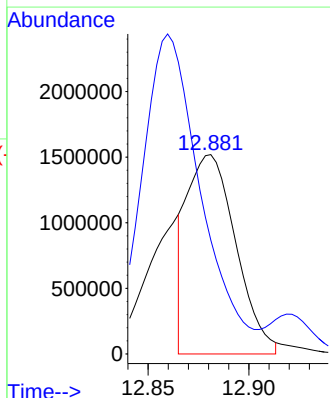
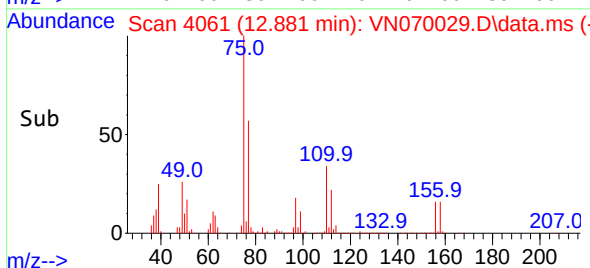
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

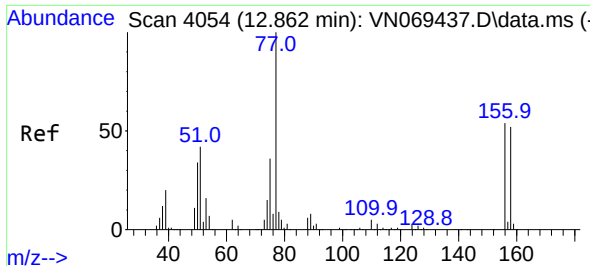


#72
1,2,3-Trichloropropane
Concen: 142.440 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



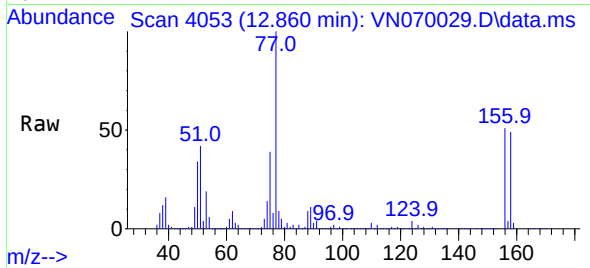
Tgt Ion: 75 Resp: 2551696
Ion Ratio Lower Upper
75 100
77 194.9 0.0 378.0





#73
Bromobenzene
Concen: 169.003 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

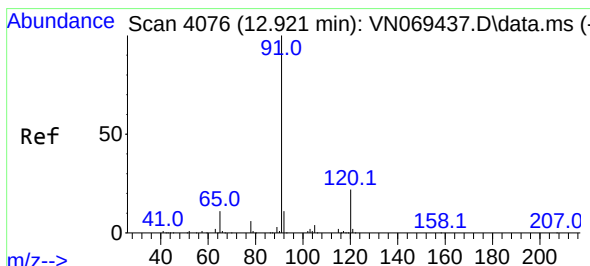
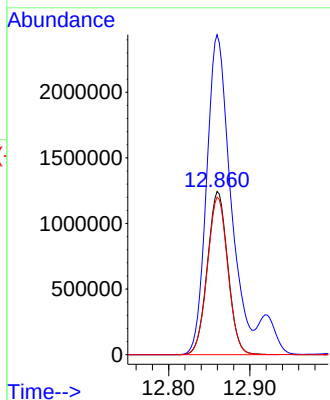
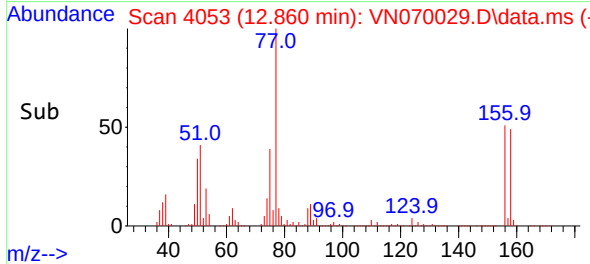
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



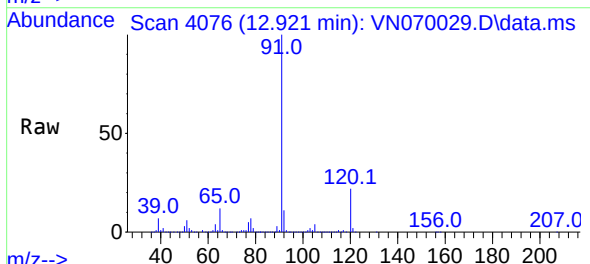
Tgt Ion:156 Resp: 2171109
Ion Ratio Lower Upper
156 100
77 229.1 0.0 416.0
158 96.9 0.0 195.4

Manual Integrations
APPROVED

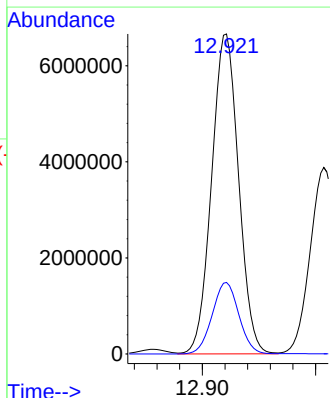
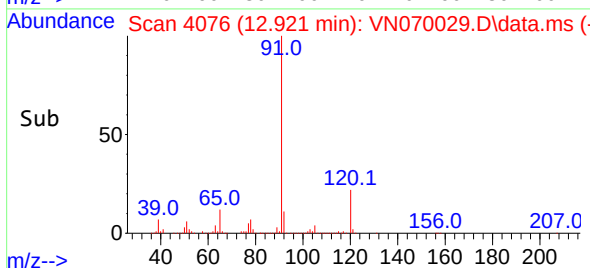
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

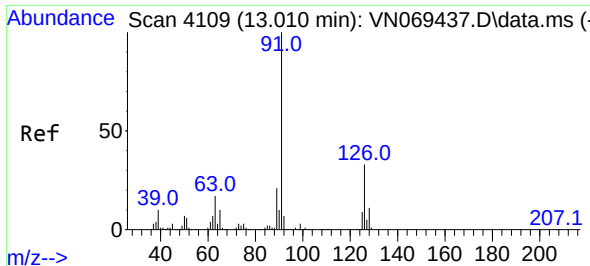


#74
n-propylbenzene
Concen: 171.987 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 91 Resp:11007698
Ion Ratio Lower Upper
91 100
120 22.1 0.0 45.0





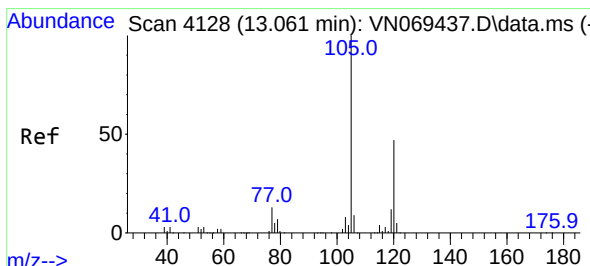
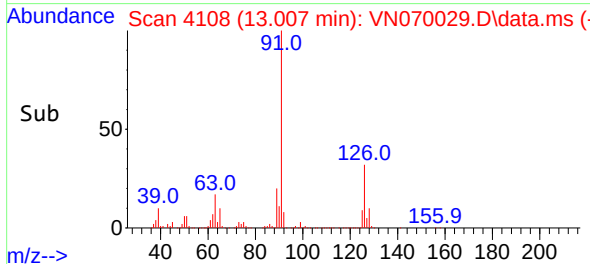
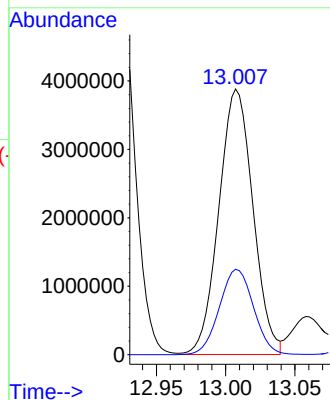
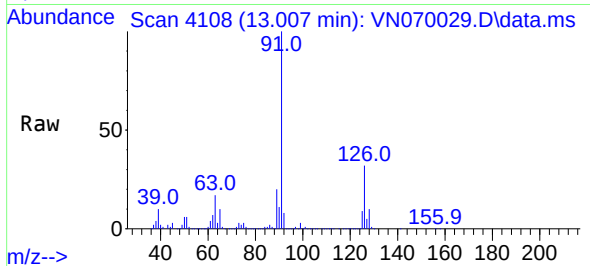
#75
2-Chlorotoluene
Concen: 170.790 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 665424
Ion Ratio Lower Upper
91 100
126 32.3 0.0 69.8

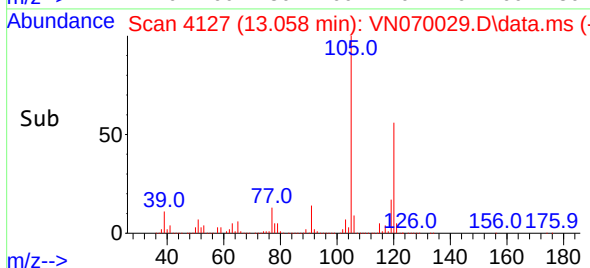
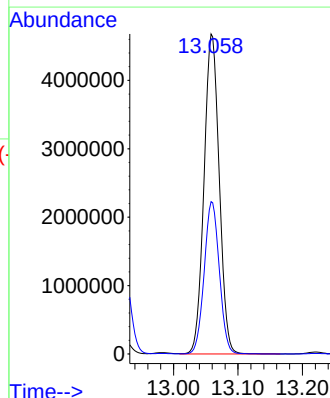
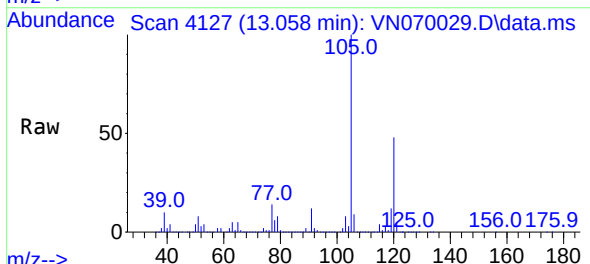
Manual Integrations
APPROVED

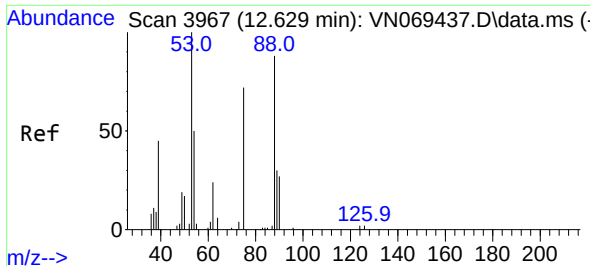
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#76
1,3,5-Trimethylbenzene
Concen: 167.636 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

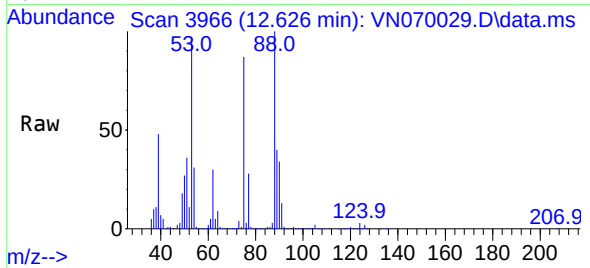
Tgt Ion:105 Resp: 7667805
Ion Ratio Lower Upper
105 100
120 47.2 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 210.577 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

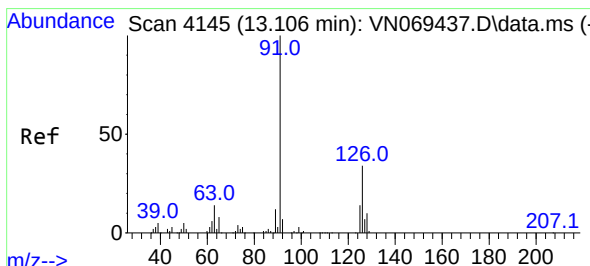
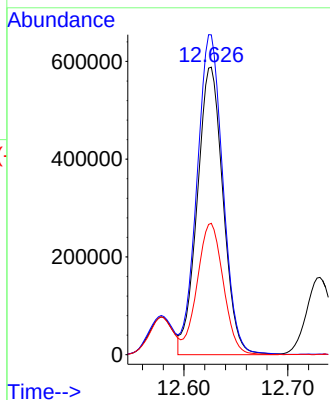
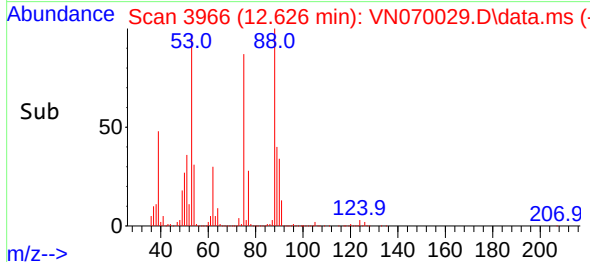
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



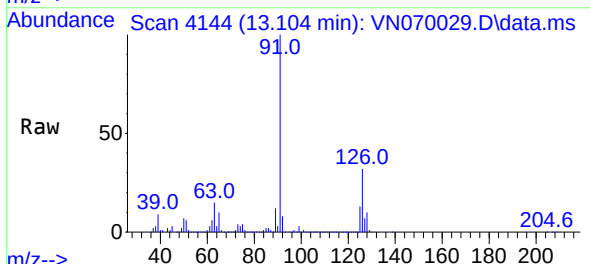
Tgt Ion: 75 Resp: 1018280
Ion Ratio Lower Upper
75 100
53 111.3 51.8 155.5
89 45.8 22.9 68.7

Manual Integrations
APPROVED

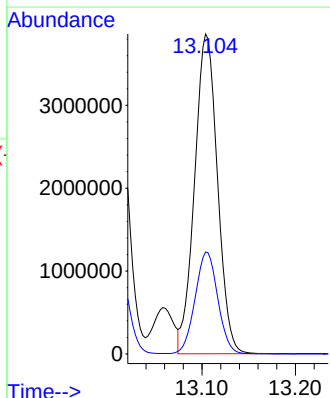
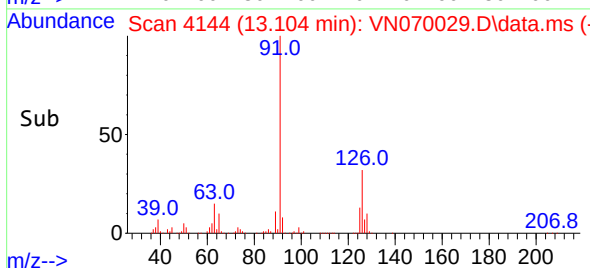
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

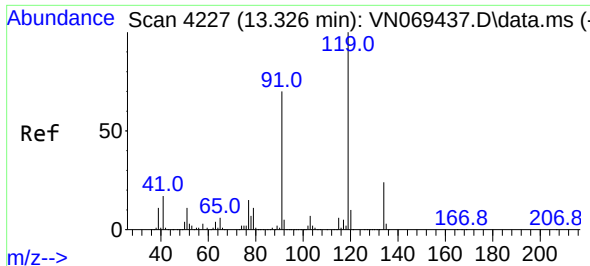


#78
4-Chlorotoluene
Concen: 175.841 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion: 91 Resp: 6560938
Ion Ratio Lower Upper
91 100
126 31.6 0.0 70.6





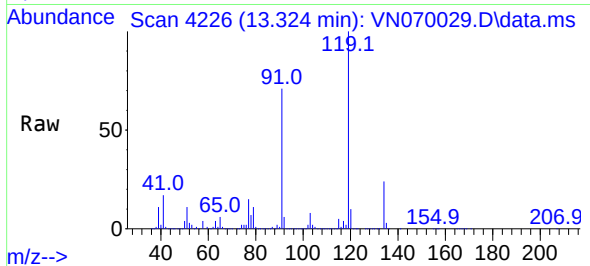
#79
tert-butylbenzene
Concen: 166.655 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

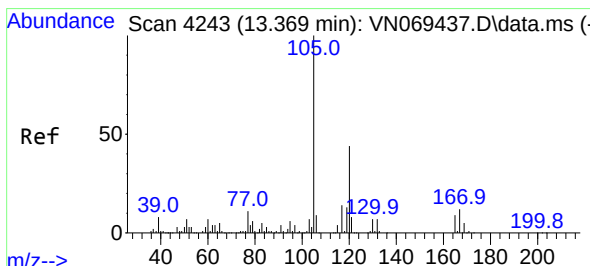
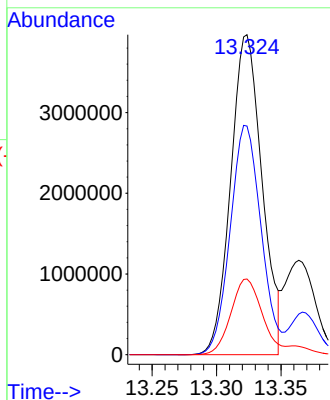


Tgt Ion:119 Resp: 6705624
Ion Ratio Lower Upper
119 100
91 70.7 0.0 137.0
134 23.7 0.0 47.6

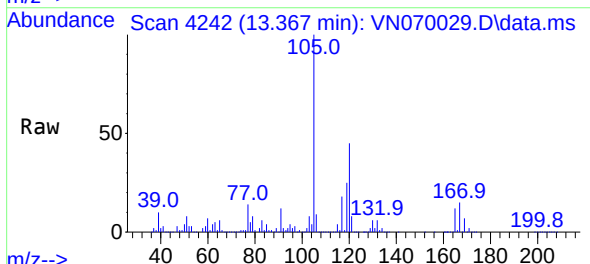
Manual Integrations

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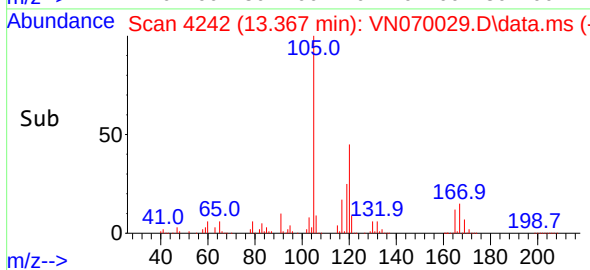
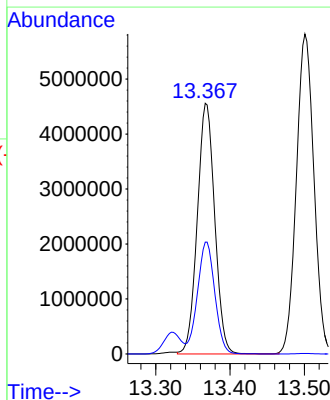
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

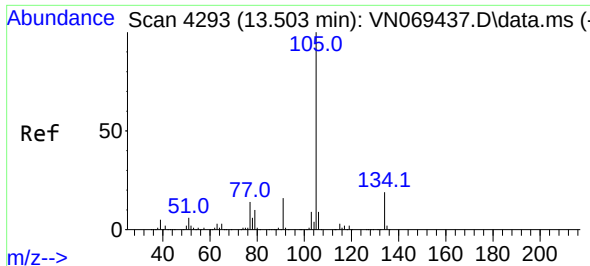


#80
1,2,4-Trimethylbenzene
Concen: 166.523 ug/l m
RT: 13.367 min Scan# 4242
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion:105 Resp: 7430289
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2





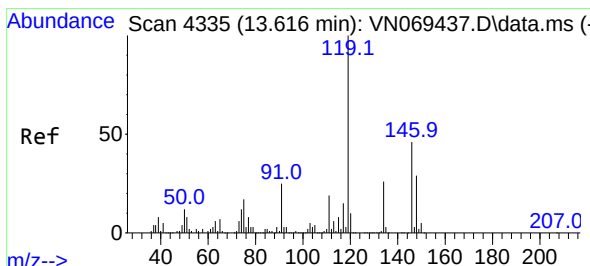
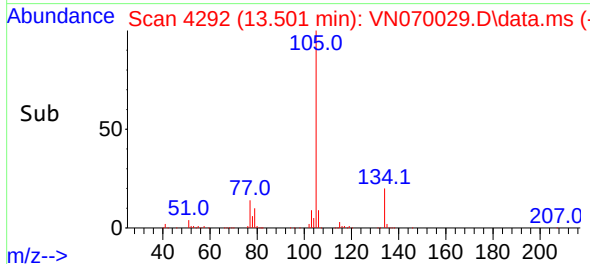
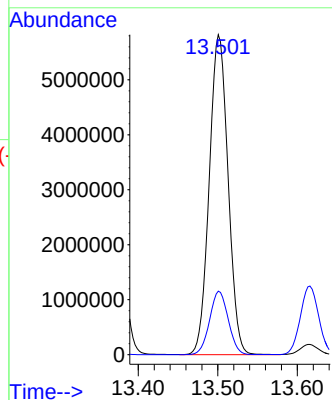
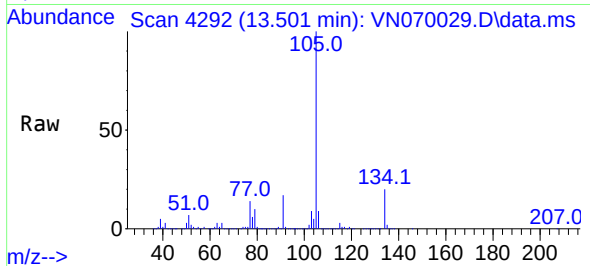
#81
 sec-Butylbenzene
 Concen: 169.586 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. 0.000 min
 Lab File: VN070029.D
 Acq: 13 Dec 2021 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 954723
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

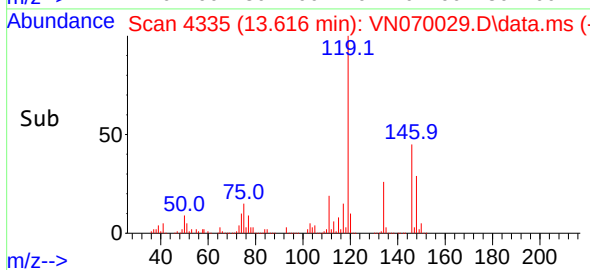
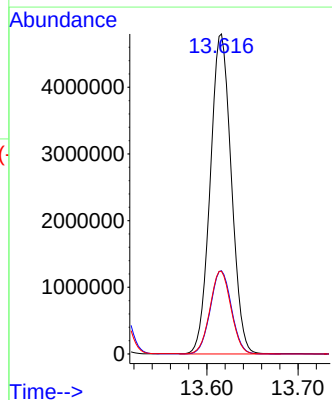
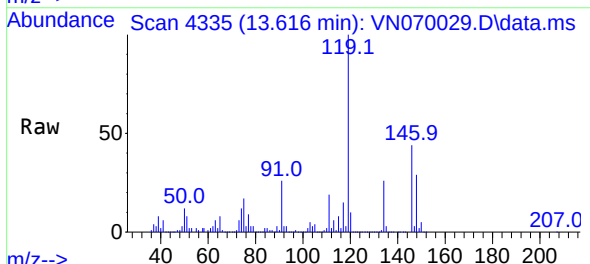
Manual Integrations
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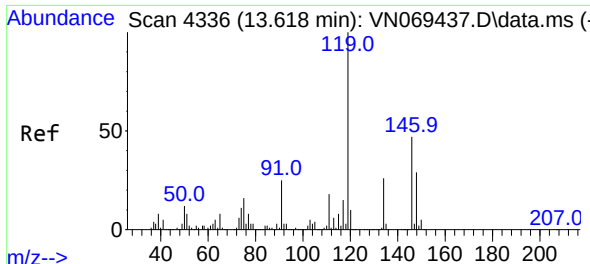
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021



#82
 p-Isopropyltoluene
 Concen: 171.466 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070029.D
 Acq: 13 Dec 2021 12:01

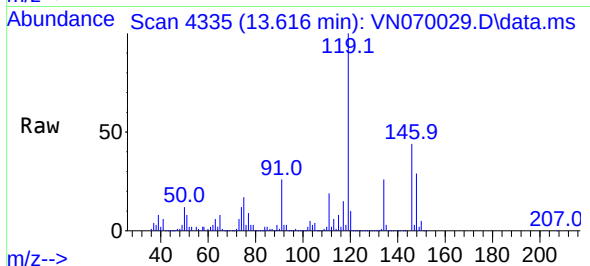
Tgt Ion:119 Resp: 7702187
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 51.8
 91 25.8 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 167.967 ug/l
RT: 13.616 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

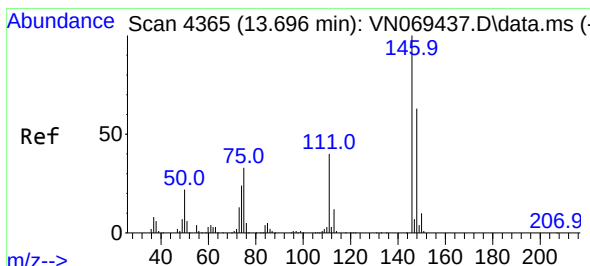
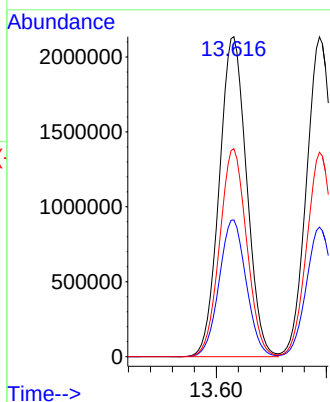
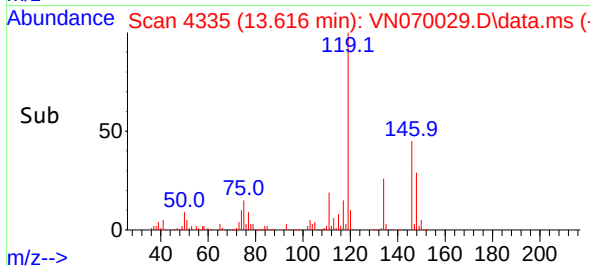
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



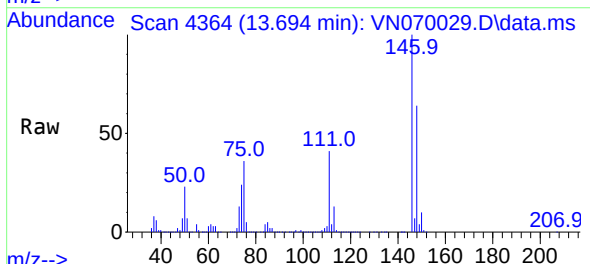
Tgt Ion:146 Resp: 368928
Ion Ratio Lower Upper
146 100
111 42.3 20.8 62.2
148 64.4 31.4 94.3

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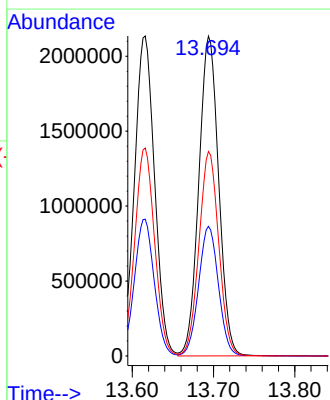
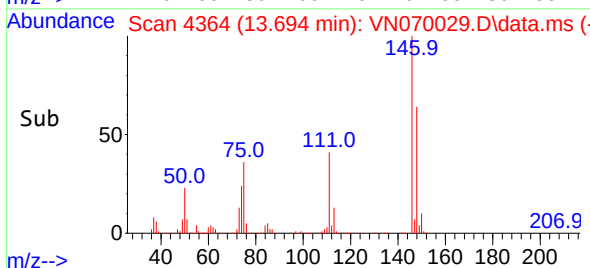
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

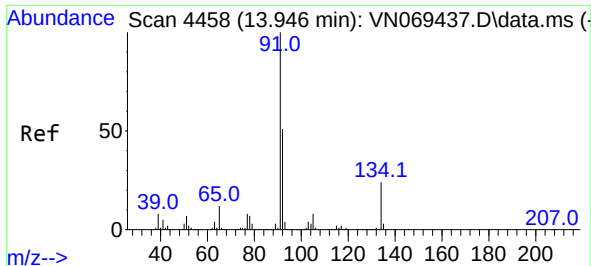


#84
1,4-Dichlorobenzene
Concen: 169.815 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



Tgt Ion:146 Resp: 3618443
Ion Ratio Lower Upper
146 100
111 40.1 19.5 58.5
148 63.7 31.1 93.5





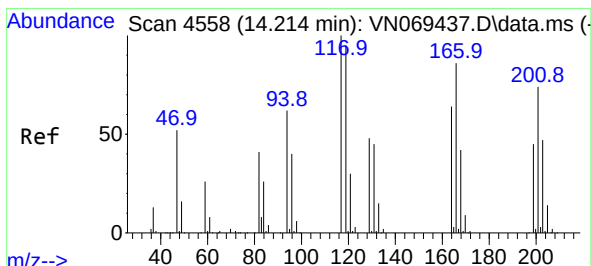
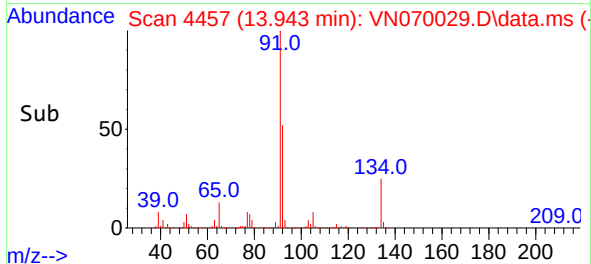
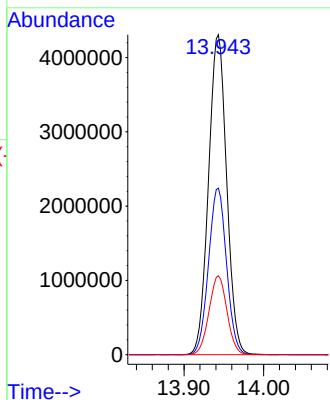
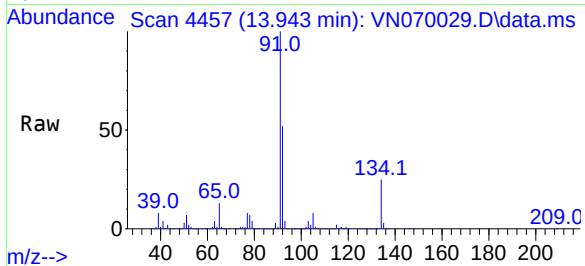
#85
n-Butylbenzene
Concen: 182.280 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 6833778
Ion Ratio Lower Upper
91 100
92 51.8 0.0 100.6
134 24.5 0.0 50.2

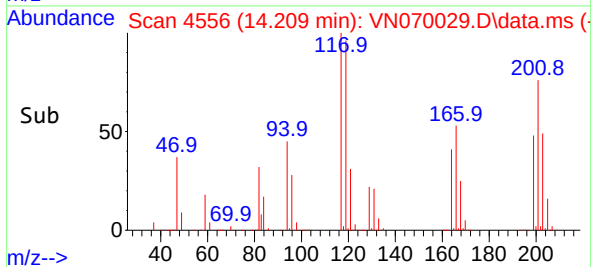
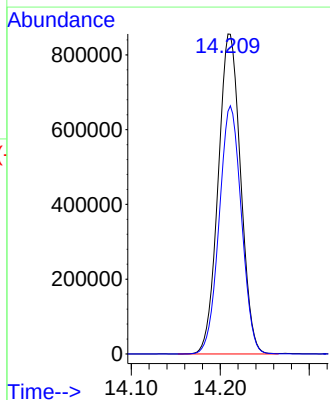
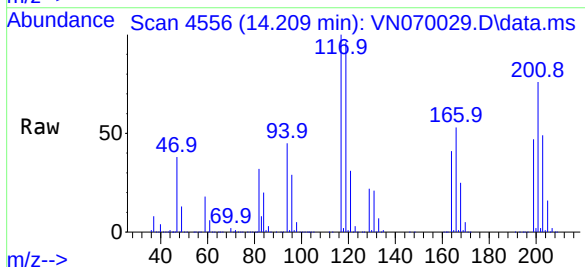
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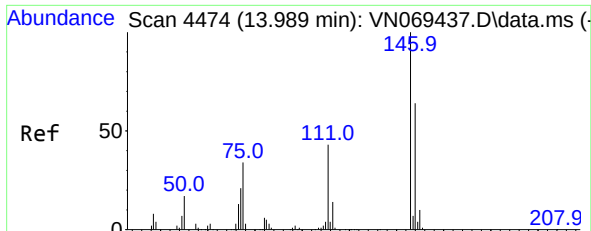
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#86
Hexachloroethane
Concen: 201.586 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

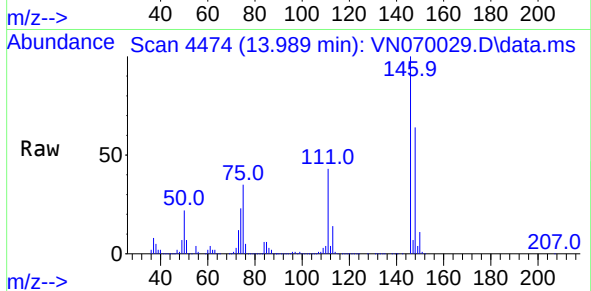
Tgt Ion:117 Resp: 1498629
Ion Ratio Lower Upper
117 100
201 76.9 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 163.260 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

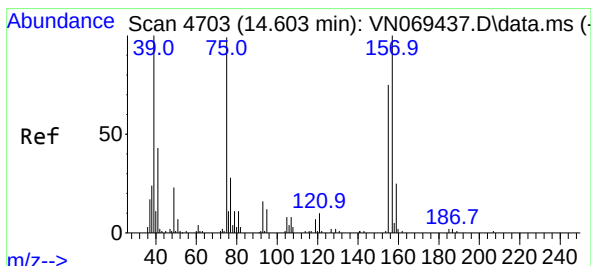
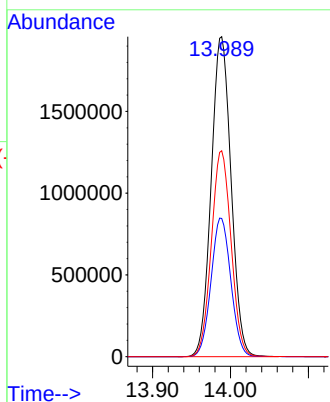
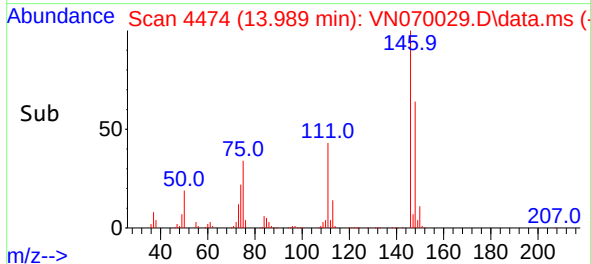
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:146 Resp: 346078
Ion Ratio Lower Upper
146 100
111 43.2 21.4 64.2
148 64.1 32.5 97.4

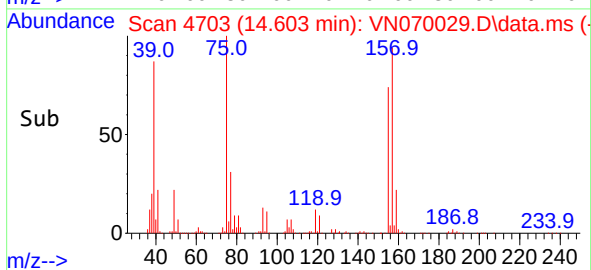
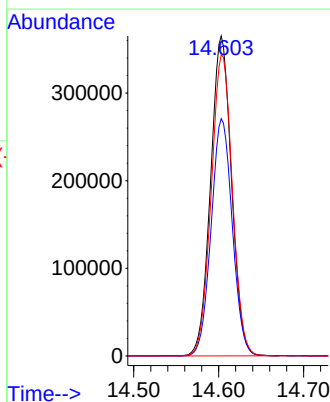
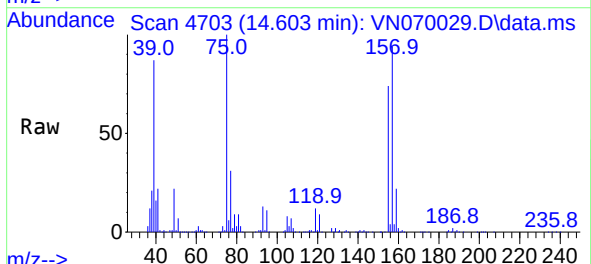
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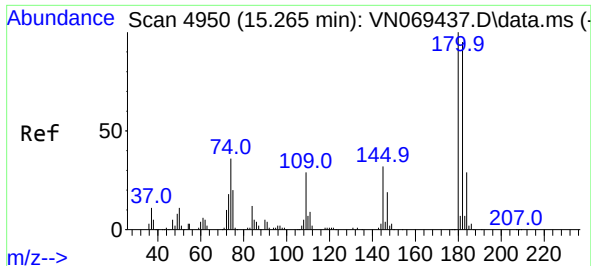
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#88
1,2-Dibromo-3-Chloropropane
Concen: 193.809 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion: 75 Resp: 623899
Ion Ratio Lower Upper
75 100
155 75.0 63.8 95.8
157 95.4 77.9 116.9





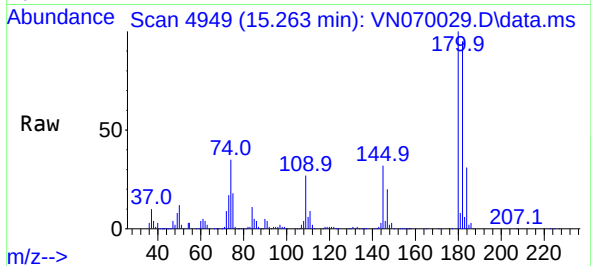
#89
1,2,4-Trichlorobenzene
Concen: 185.125 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

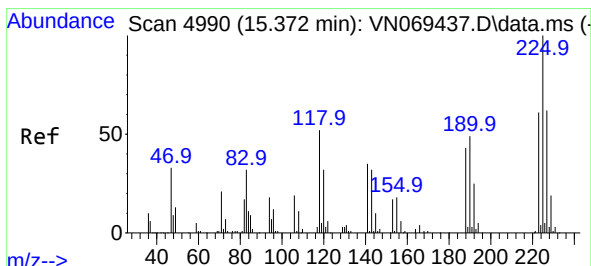
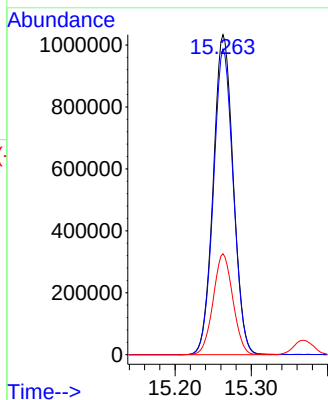
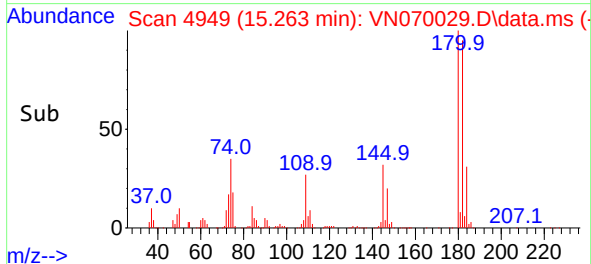


Tgt Ion:180 Resp: 1881594
Ion Ratio Lower Upper
180 100
182 95.1 77.7 116.5
145 31.1 26.6 39.8

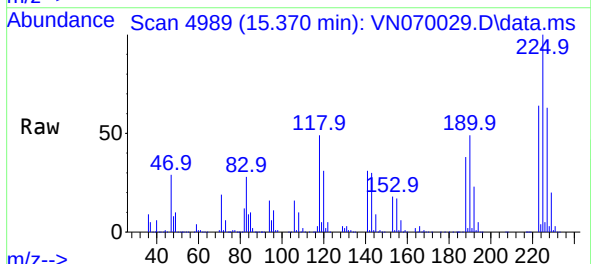
Manual Integrations

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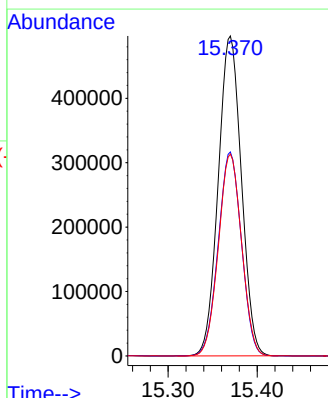
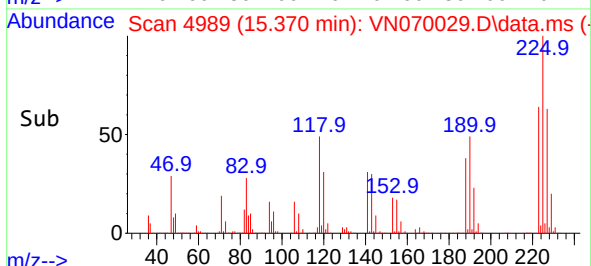
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

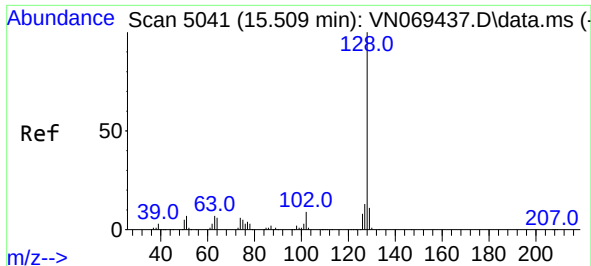


#90
Hexachlorobutadiene
Concen: 163.273 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.003 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01



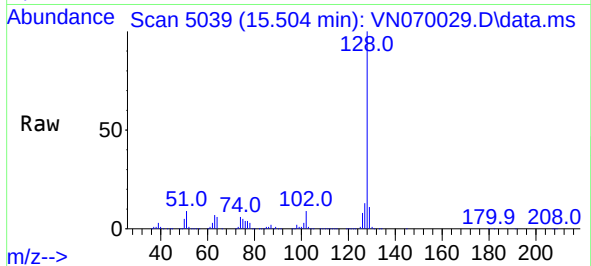
Tgt Ion:225 Resp: 897404
Ion Ratio Lower Upper
225 100
223 63.8 0.0 126.8
227 63.3 0.0 123.0





#91
Naphthalene
Concen: 186.451 ug/l
RT: 15.504 min Scan# 5041
Delta R.T. -0.005 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

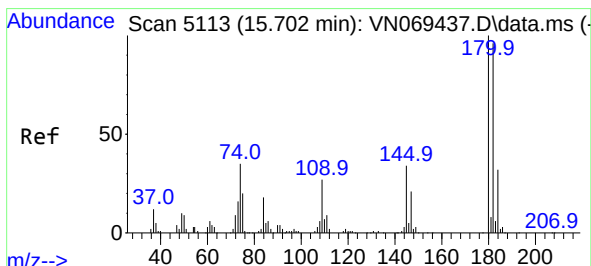
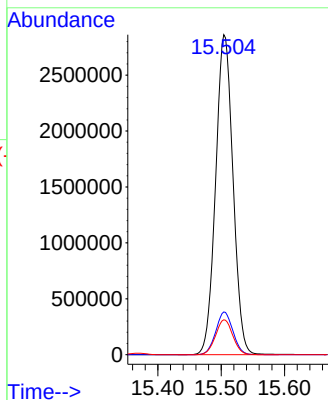
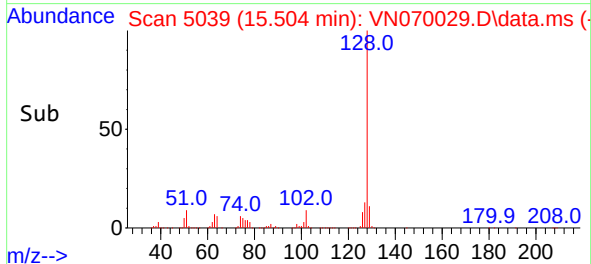
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 545920
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 9.0 13.6

Manual Integrations
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Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#92
1,2,3-Trichlorobenzene
Concen: 177.910 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070029.D
Acq: 13 Dec 2021 12:01

Tgt Ion:180 Resp: 1777650
Ion Ratio Lower Upper
180 100
182 95.0 0.0 190.0
145 32.9 0.0 67.8

