

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070025.D
 Acq On : 13 Dec 2021 10:16
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 13:12:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 13 13:11:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	179837	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	985510	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.744	117	878830	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	476750	30.567	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.900%			
60) 4-Bromofluorobenzene	12.731	95	405675	28.846	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.167%			
63) Toluene-d8	10.440	98	1254133	30.907	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.033%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	53331	4.013	ug/l	97
3) Chloromethane	2.306	50	71156	5.136	ug/l	99
4) Vinyl Chloride	2.451	62	67015	4.770	ug/l	99
5) Bromomethane	2.864	94	38029	4.227	ug/l	91
6) Chloroethane	3.030	64	39092	4.410	ug/l	99
7) Trichlorofluoromethane	3.384	101	89233	4.333	ug/l	97
8) Diethyl Ether	3.827	74	36321	5.588	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.215	101	53365	5.600	ug/l	# 49
10) 1,1-Dichloroethene	4.189	96	49591	5.518	ug/l	91
11) Methyl Iodide	4.427	142	63508	5.072	ug/l	97
12) Methyl Acetate	4.859	43	117745	4.549	ug/l	# 84
13) Acrolein	4.041	56	53894	75.735	ug/l	98
14) Acrylonitrile	5.559	53	168749	23.898	ug/l	99
15) Acetone	4.288	58	55890	23.754	ug/l	69
16) Carbon Disulfide	4.532	76	150533	6.701	ug/l	96
17) Allyl chloride	4.840	41	106732	5.588	ug/l	86
18) Methylene Chloride	5.092	84	63502	5.546	ug/l	# 89
19) trans-1,2-Dichloroethene	5.599	96	52617	5.335	ug/l	# 83
20) Diisopropyl ether	6.500	45	204618	4.999	ug/l	# 92
21) 1,1-Dichloroethane	6.390	63	112937	5.439	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	62084	5.076	ug/l	89
23) tert-Butyl Alcohol	5.371	59	59266m	24.116	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	163437	4.538	ug/l	91
25) Chloroform	7.820	83	115583	5.384	ug/l	97
26) Cyclohexane	8.096	56	100232	5.084	ug/l	# 84
29) 1,1-Dichloropropene	8.220	75	81567	5.422	ug/l	94
30) 2-Butanone	7.337	43	253785	23.306	ug/l	# 90
31) 2,2-Dichloropropane	7.327	77	82403	5.181	ug/l	# 83
32) 1,1,1-Trichloroethane	8.016	97	95208	5.421	ug/l	# 92
33) Carbon Tetrachloride	8.206	117	84972	5.858	ug/l	93
34) Benzene	8.458	78	248115	5.423	ug/l	# 77
35) Methacrylonitrile	7.635	41	49941m	5.001	ug/l	
36) 1,2-Dichloroethane	8.531	62	98219	5.569	ug/l	98
37) Trichloroethene	9.215	130	58088	5.256	ug/l	85
38) Methylcyclohexane	9.459	83	93686	5.034	ug/l	88
39) 1,2-Dichloropropane	9.491	63	64642	5.335	ug/l	99
40) Dibromomethane	9.579	93	43398	5.348	ug/l	94
41) Bromodichloromethane	9.762	83	91361	5.998	ug/l	99
42) Vinyl Acetate	6.433	43	754054	24.504	ug/l	# 93

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 13 13:11:03 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	89329	4.427	ug/l	94
44) Isopropyl Acetate	8.560	43	142896	4.542	ug/l	99
45) 1,4-Dioxane	9.574	88	20132	78.830	ug/l #	82
46) Methyl methacrylate	9.558	41	61359	4.235	ug/l	77
47) n-amyl Acetate	12.390	43	74611	3.088	ug/l	99
48) t-1,3-Dichloropropene	10.717	75	78678	4.813	ug/l	99
49) cis-1,3-Dichloropropene	10.185	75	90261	5.075	ug/l	97
50) 1,1,2-Trichloroethane	10.896	97	57592	4.998	ug/l	97
51) Ethyl methacrylate	10.759	69	75750	3.921	ug/l	90
52) 1,3-Dichloropropane	11.044	76	101116	5.080	ug/l	98
53) Dibromochloromethane	11.237	129	63342	5.752	ug/l	99
54) 1,2-Dibromoethane	11.347	107	55036	4.612	ug/l	97
55) 2-Chloroethyl vinyl ether	10.041	63	60391	13.742	ug/l	97
56) Bromoform	12.460	173	46105	5.839	ug/l #	98
58) 4-Methyl-2-Pentanone	10.330	43	455266	23.600	ug/l #	93
59) 2-Hexanone	11.087	43	307129	20.930	ug/l	91
61) Tetrachloroethene	10.977	164	54515	5.779	ug/l	95
62) Toluene	10.505	91	261178	5.408	ug/l	99
64) Chlorobenzene	11.768	112	151234	5.220	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.838	131	55723	5.463	ug/l	98
66) Ethyl Benzene	11.846	91	269992	5.051	ug/l	98
67) m/p-Xylenes	11.956	106	194277	9.785	ug/l	94
68) o-Xylene	12.280	106	94993	4.779	ug/l	92
69) Styrene	12.294	104	145477	4.514	ug/l	97
70) Isopropylbenzene	12.578	105	245253	4.717	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	87421	5.096	ug/l	98
72) 1,2,3-Trichloropropane	12.878	75	81793m	4.894	ug/l	
73) Bromobenzene	12.862	156	58672	4.896	ug/l	92
74) n-propylbenzene	12.921	91	273613	4.583	ug/l	97
75) 2-Chlorotoluene	13.007	91	176203	4.848	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	199640	4.679	ug/l	99
77) t-1,4-Dichloro-2-butene	12.623	75	19434	4.308	ug/l	87
78) 4-Chlorotoluene	13.106	91	159662	4.587	ug/l	94
79) tert-butylbenzene	13.323	119	177052	4.717	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	189501m	4.553	ug/l	
81) sec-Butylbenzene	13.500	105	232595	4.429	ug/l	99
82) p-Isopropyltoluene	13.616	119	175766	4.194	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	93254	4.551	ug/l	99
84) 1,4-Dichlorobenzene	13.694	146	86719	4.363	ug/l	98
85) n-Butylbenzene	13.943	91	133938	3.830	ug/l	99
86) Hexachloroethane	14.208	117	39388	5.679	ug/l	91
87) 1,2-Dichlorobenzene	13.989	146	91102	4.607	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	14139	4.708	ug/l	89
89) 1,2,4-Trichlorobenzene	15.265	180	30751	3.243	ug/l	98
90) Hexachlorobutadiene	15.367	225	26593	5.186	ug/l	96
91) Naphthalene	15.509	128	62687	2.295	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	28226	3.028	ug/l	98

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

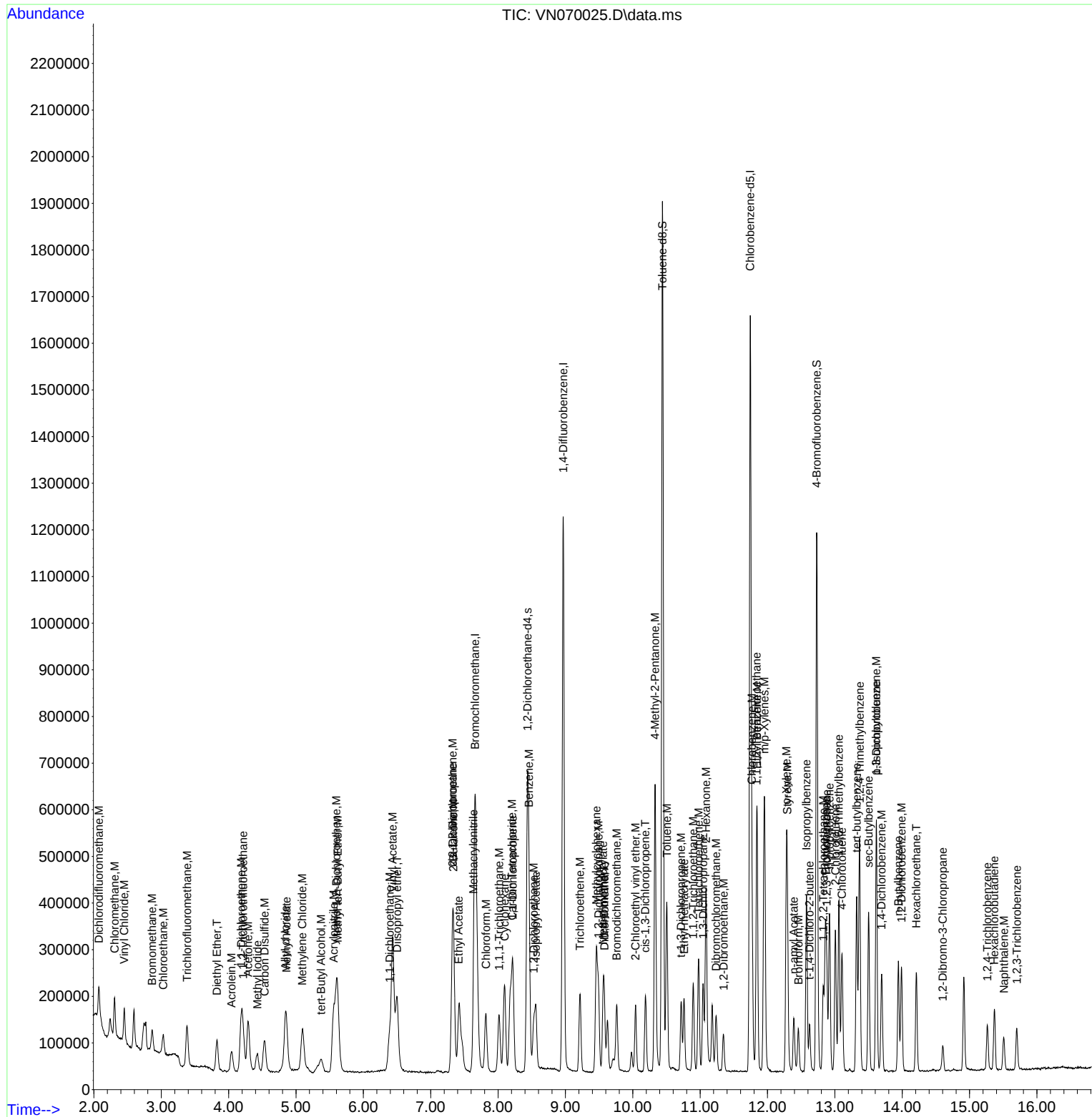
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070025.D
Acq On : 13 Dec 2021 10:16
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

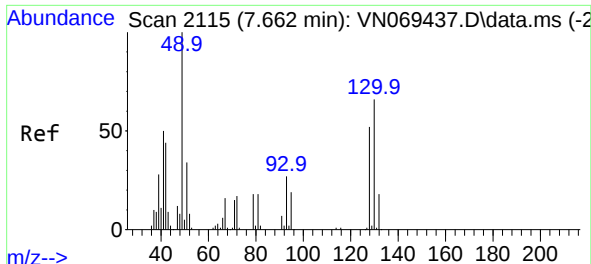
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

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

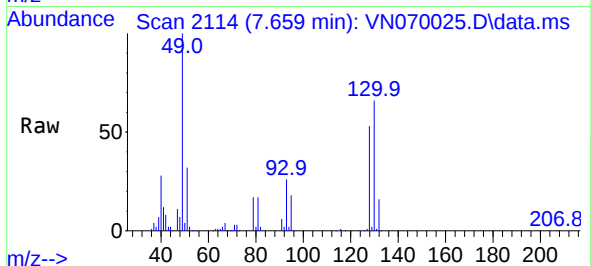
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 13 13:11:03 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. 0.002 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

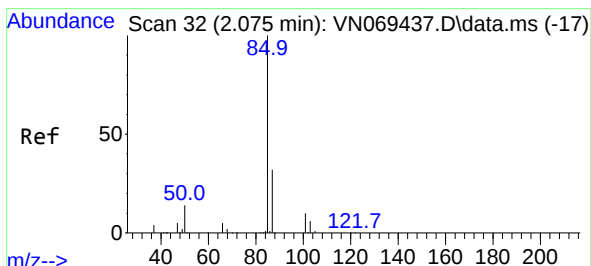
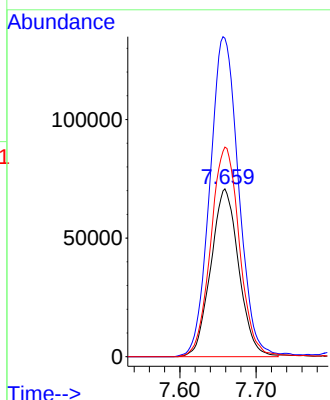
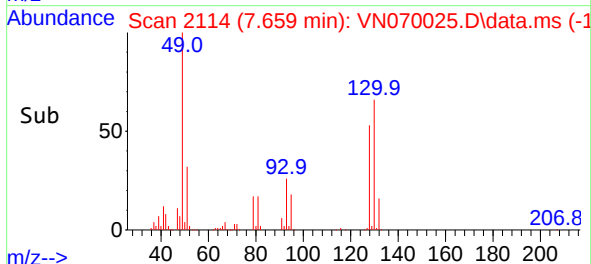
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



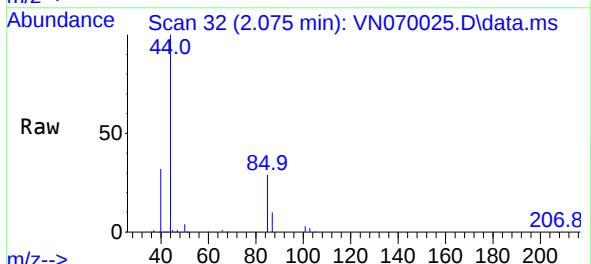
Tgt Ion:128 Resp: 17983
Ion Ratio Lower Upper
128 100
49 196.2 0.0 392.3
130 128.4 0.0 320.2

Manual Integrations
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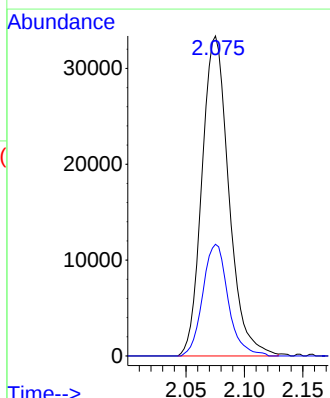
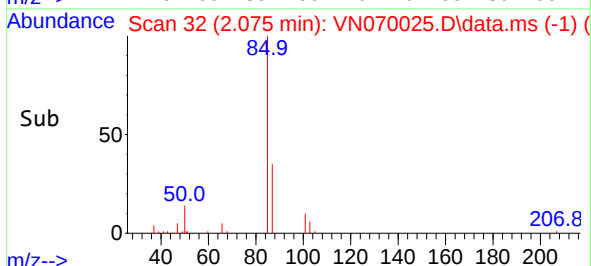
Reviewed By :John Carlone 12/14/2021
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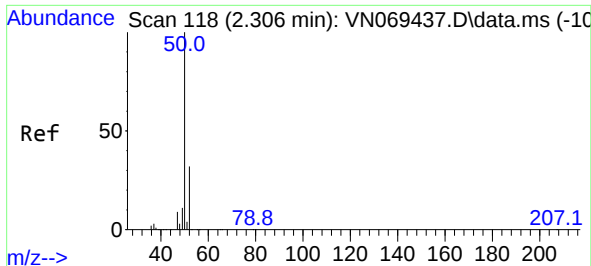


#2
Dichlorodifluoromethane
Concen: 4.013 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



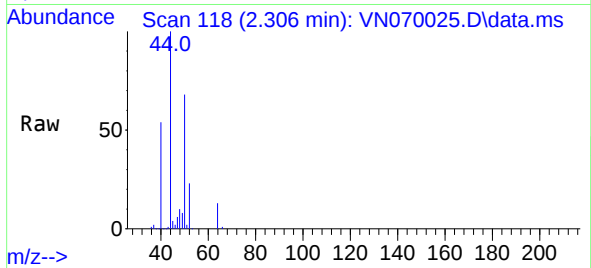
Tgt Ion: 85 Resp: 53331
Ion Ratio Lower Upper
85 100
87 34.9 16.6 49.7





#3
Chloromethane
Concen: 5.136 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

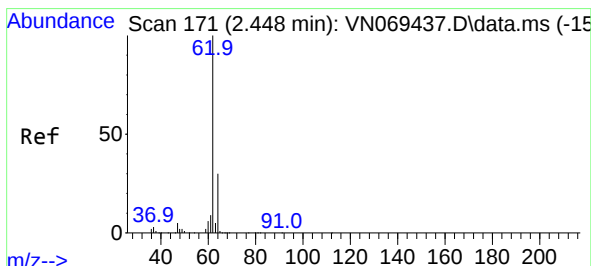
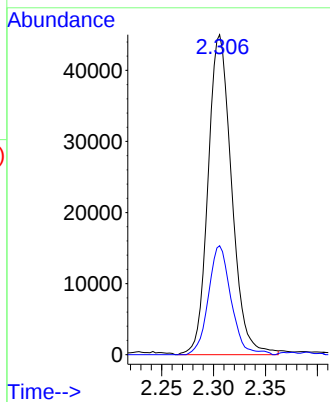
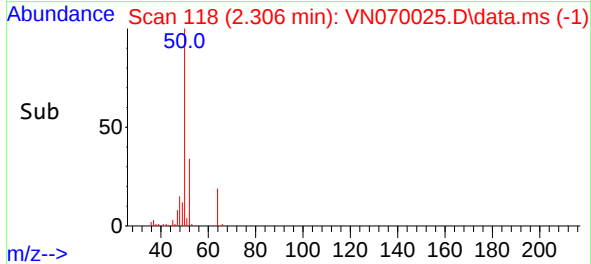
Instrument :
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ClientSampleId :
VSTDIC005



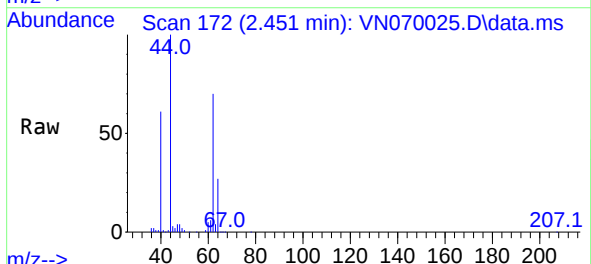
Tgt Ion: 50 Resp: 71150
Ion Ratio Lower Upper
50 100
52 34.1 27.8 41.6

Manual Integrations
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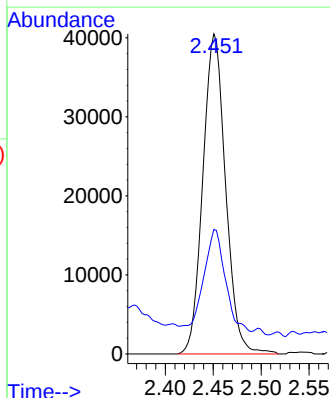
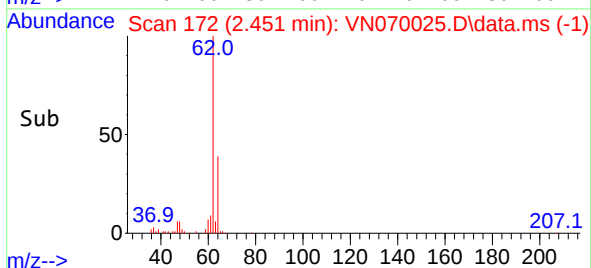
Reviewed By :John Carlone 12/14/2021
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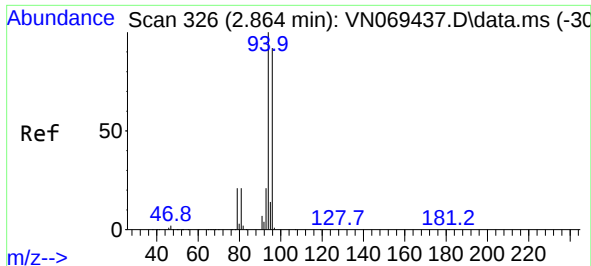


#4
Vinyl Chloride
Concen: 4.770 ug/l
RT: 2.451 min Scan# 172
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



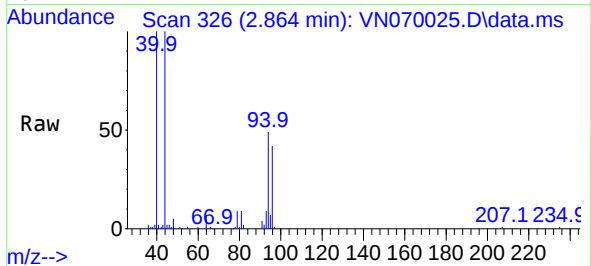
Tgt Ion: 62 Resp: 67015
Ion Ratio Lower Upper
62 100
64 32.0 25.1 37.7





#5
Bromomethane
Concen: 4.227 ug/l
RT: 2.864 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

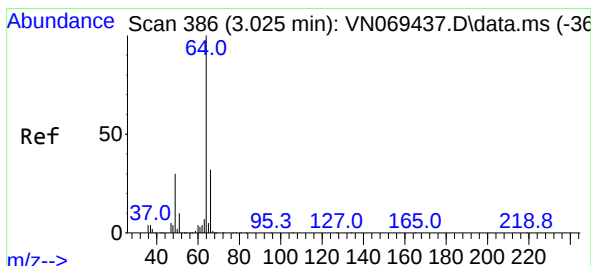
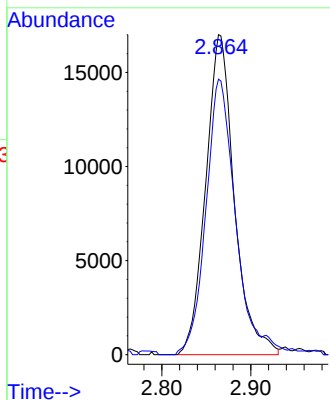
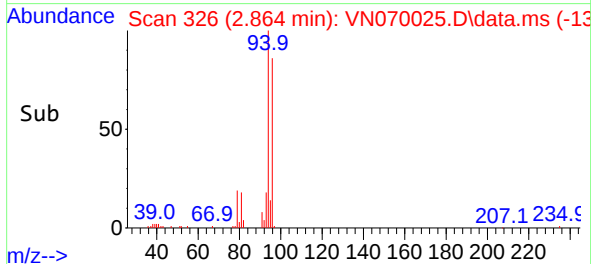
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



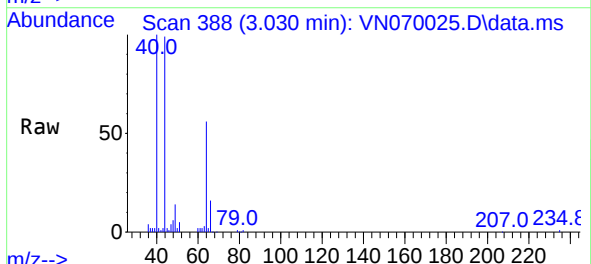
Tgt Ion: 94 Resp: 38029
Ion Ratio Lower Upper
94 100
96 84.9 75.2 112.8

Manual Integrations
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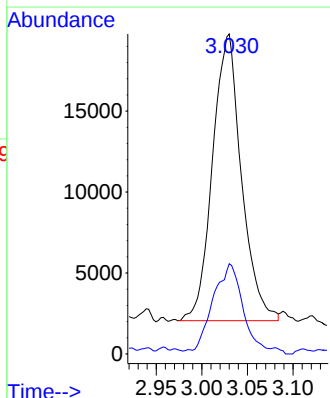
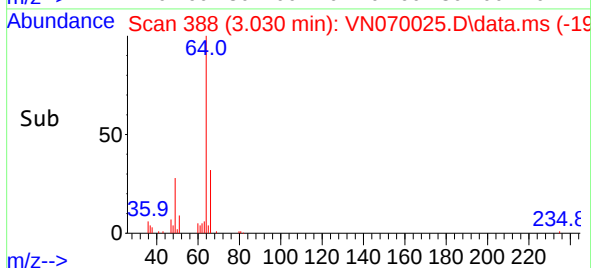
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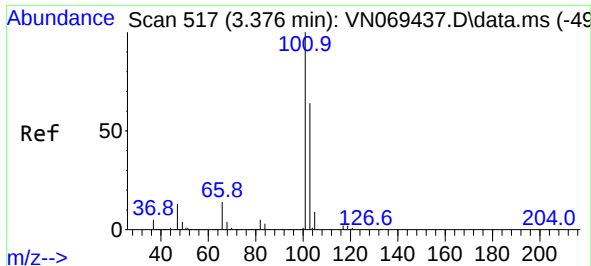


#6
Chloroethane
Concen: 4.410 ug/l
RT: 3.030 min Scan# 388
Delta R.T. 0.008 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 64 Resp: 39092
Ion Ratio Lower Upper
64 100
66 30.0 24.6 36.8





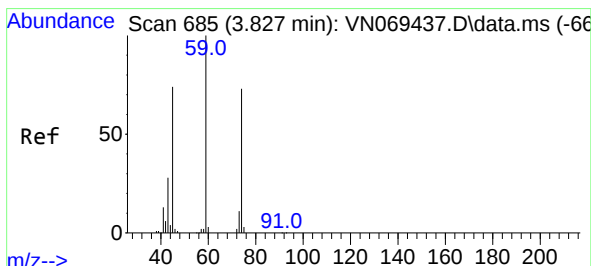
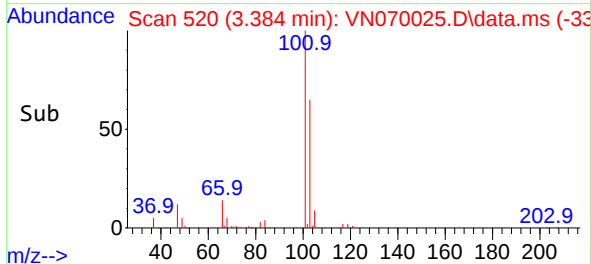
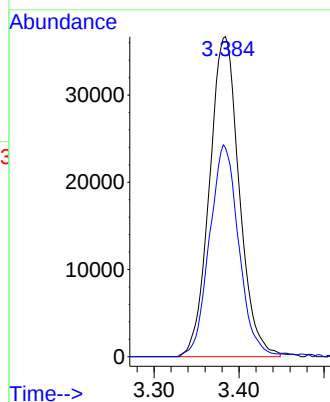
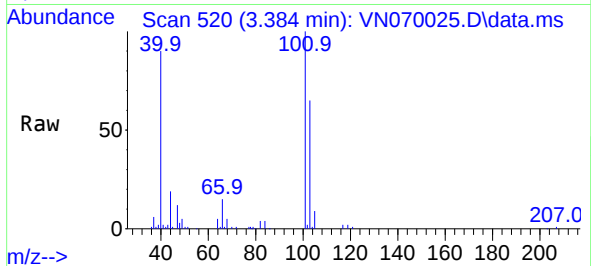
#7
Trichlorofluoromethane
Concen: 4.333 ug/l
RT: 3.384 min Scan# 517
Delta R.T. 0.005 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8923
Ion Ratio Lower Upper
101 100
103 64.7 50.1 75.1

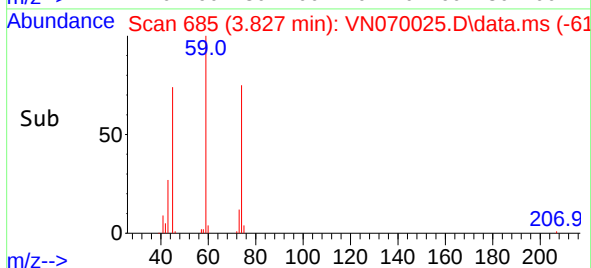
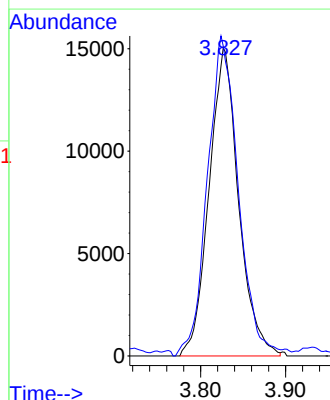
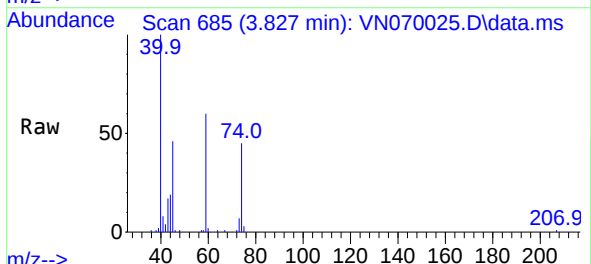
Manual Integrations
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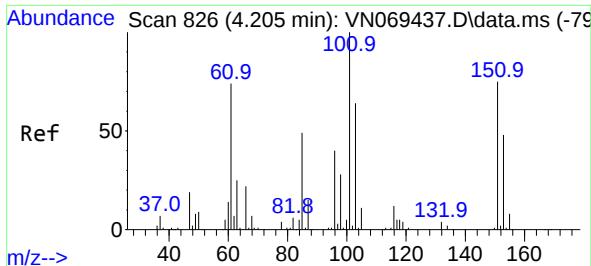
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#8
Diethyl Ether
Concen: 5.588 ug/l
RT: 3.827 min Scan# 685
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 74 Resp: 36321
Ion Ratio Lower Upper
74 100
45 108.3 17.6 158.8





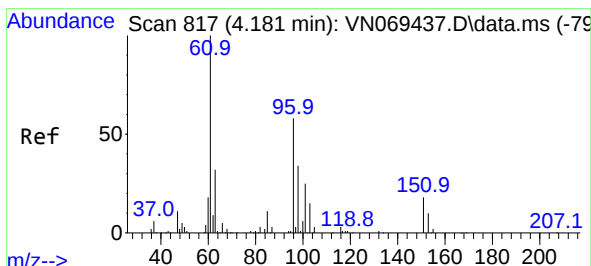
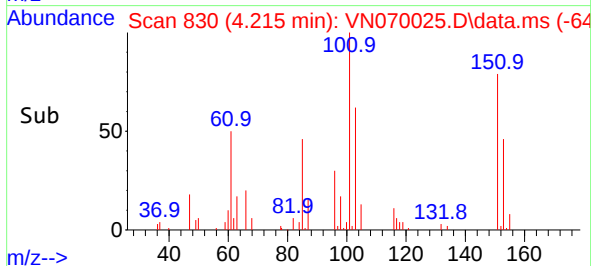
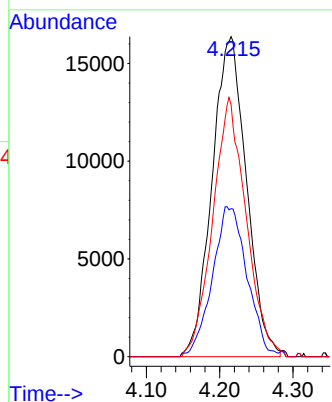
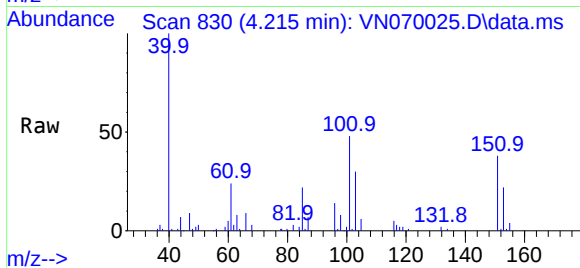
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.600 ug/l
RT: 4.215 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 5336
Ion Ratio Lower Upper
101 100
85 22.4 0.0 94.0
151 78.5 0.0 74.6

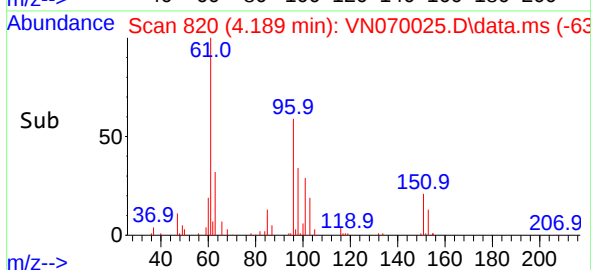
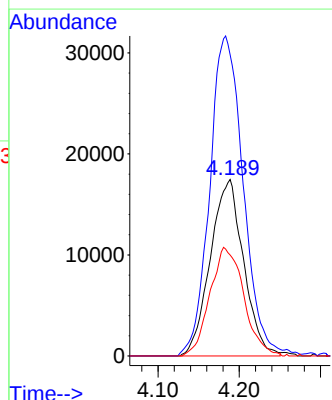
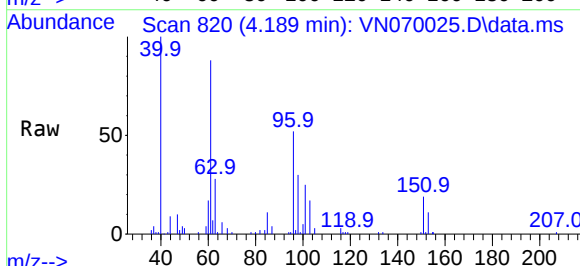
Manual Integrations
APPROVED

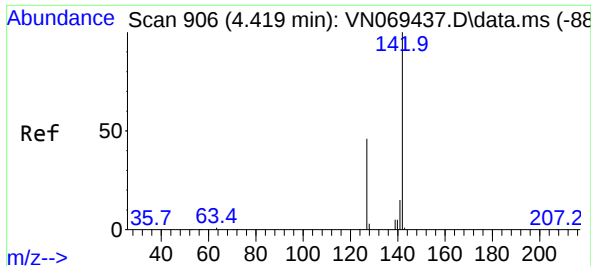
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#10
1,1-Dichloroethene
Concen: 5.518 ug/l
RT: 4.189 min Scan# 820
Delta R.T. 0.005 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

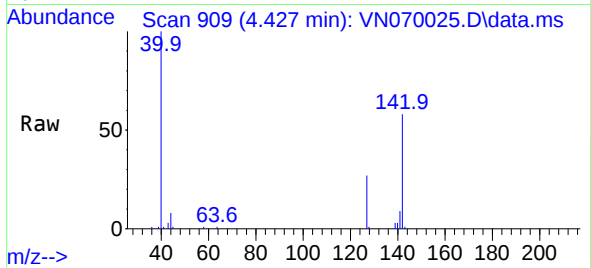
Tgt Ion: 96 Resp: 49591
Ion Ratio Lower Upper
96 100
61 169.2 126.2 189.4
98 57.2 50.9 76.3





#11
Methyl Iodide
Concen: 5.072 ug/l
RT: 4.427 min Scan# 906
Delta R.T. 0.007 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

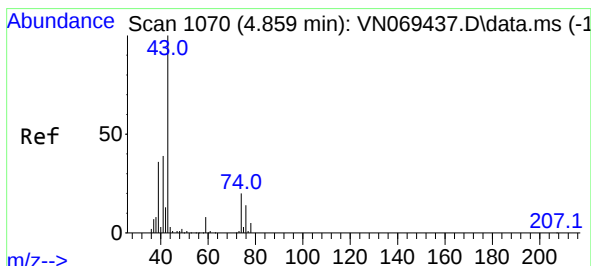
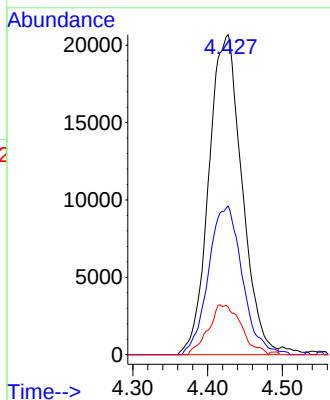
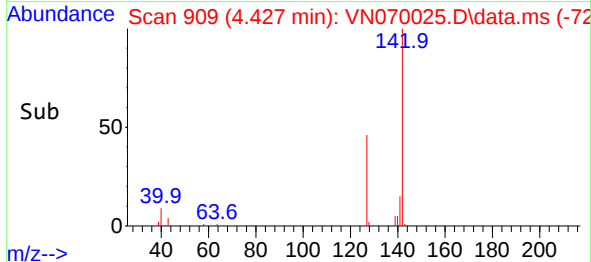
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:142 Resp: 63508
Ion Ratio Lower Upper
142 100
127 46.3 24.0 72.0
141 14.7 8.4 25.2

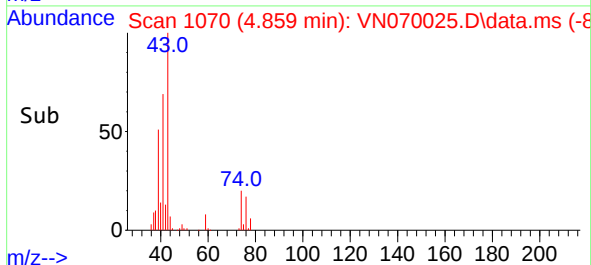
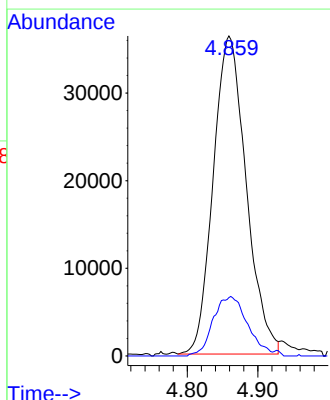
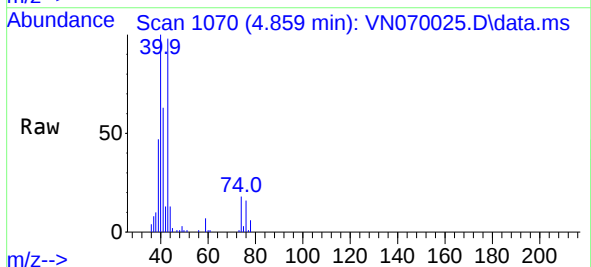
Manual Integrations
APPROVED

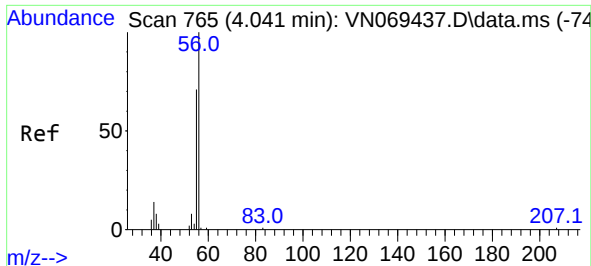
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#12
Methyl Acetate
Concen: 4.549 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

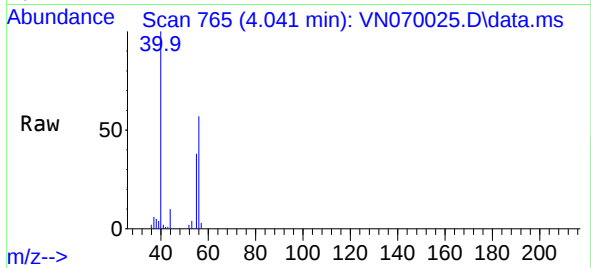
Tgt Ion: 43 Resp: 117745
Ion Ratio Lower Upper
43 100
74 17.9 20.8 31.2#





#13
Acrolein
Concen: 75.735 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

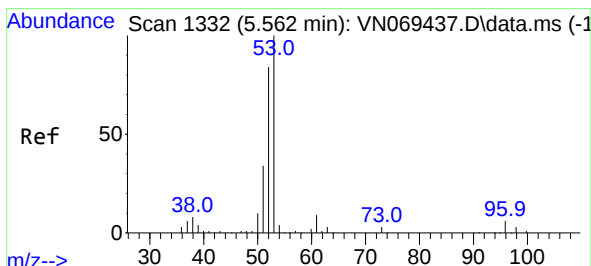
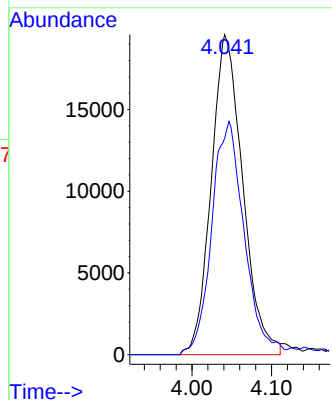
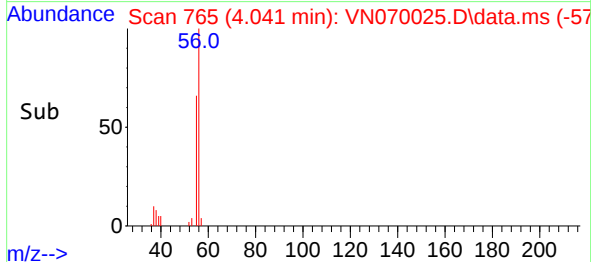
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



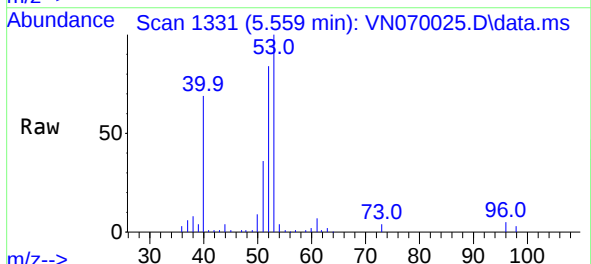
Tgt Ion: 56 Resp: 53894
Ion Ratio Lower Upper
56 100
55 73.9 57.6 86.4

Manual Integrations
APPROVED

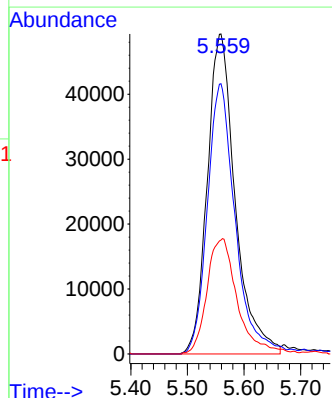
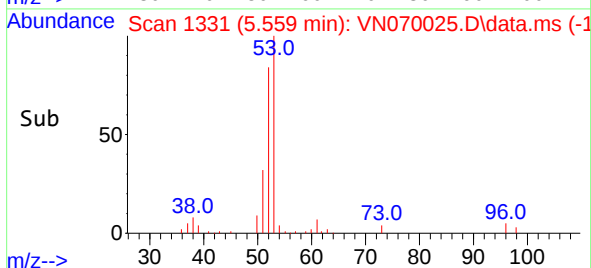
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

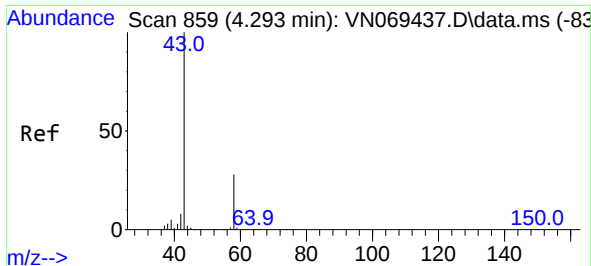


#14
Acrylonitrile
Concen: 23.898 ug/l
RT: 5.559 min Scan# 1331
Delta R.T. 0.002 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



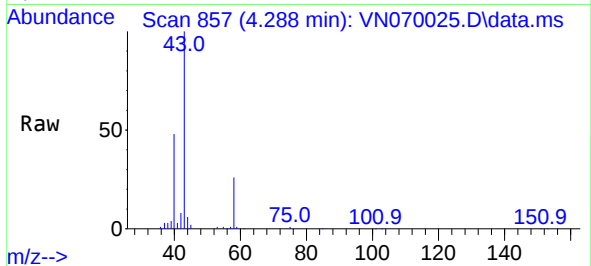
Tgt Ion: 53 Resp: 168749
Ion Ratio Lower Upper
53 100
52 83.6 41.8 125.4
51 36.6 19.0 57.0





#15
Acetone
Concen: 23.754 ug/l
RT: 4.288 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

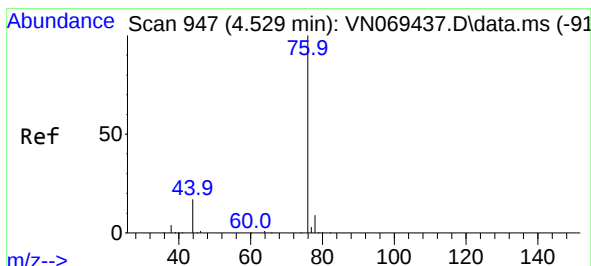
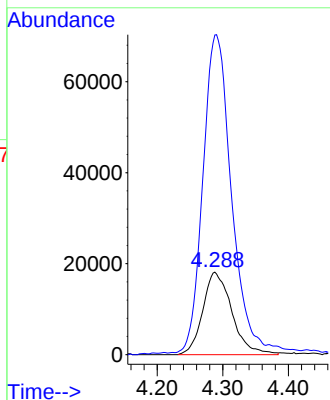
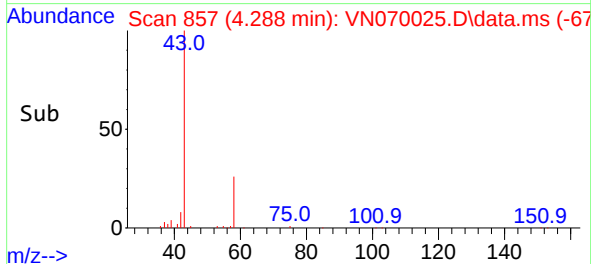
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



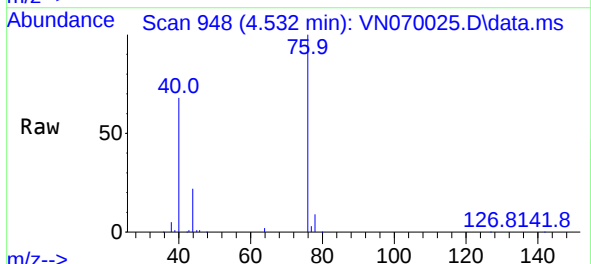
Tgt Ion: 58 Resp: 55890
Ion Ratio Lower Upper
58 100
43 383.7 256.6 384.8

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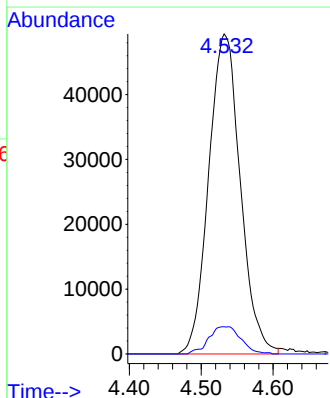
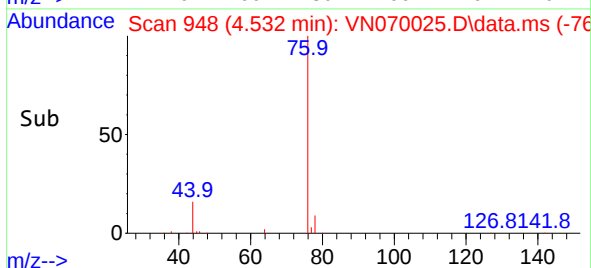
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

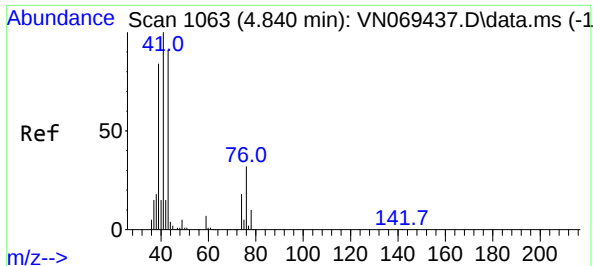


#16
Carbon Disulfide
Concen: 6.701 ug/l
RT: 4.532 min Scan# 948
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



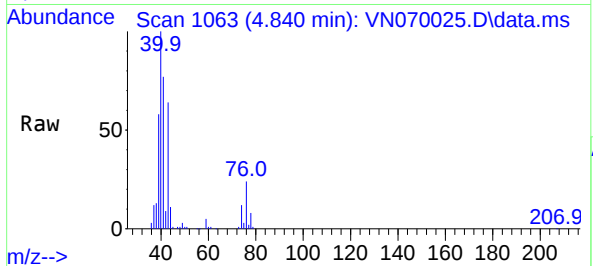
Tgt Ion: 76 Resp: 150533
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.8





#17
Allyl chloride
Concen: 5.588 ug/l
RT: 4.840 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

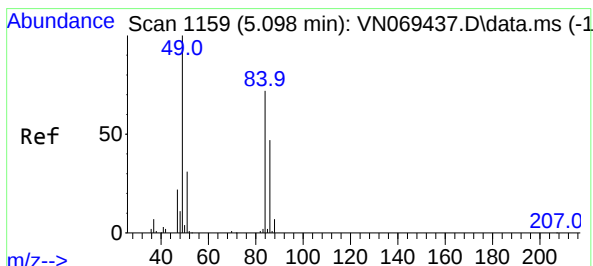
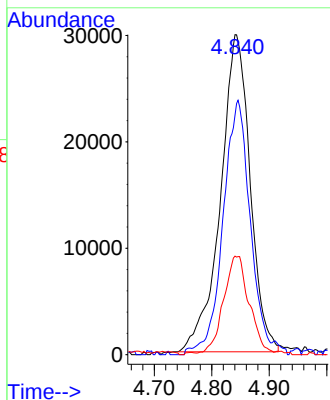
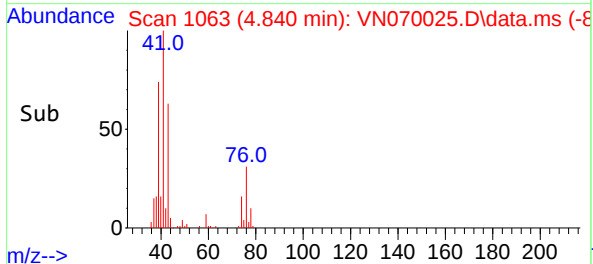
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



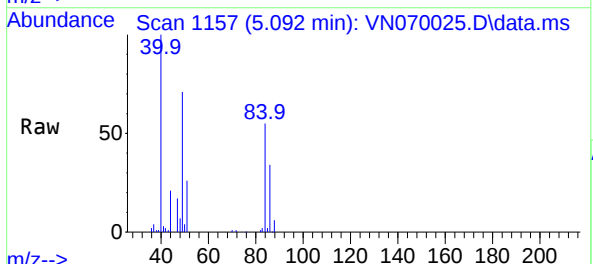
Tgt Ion: 41 Resp: 106732
Ion Ratio Lower Upper
41 100
39 75.5 44.6 134.0
76 30.6 19.6 58.7

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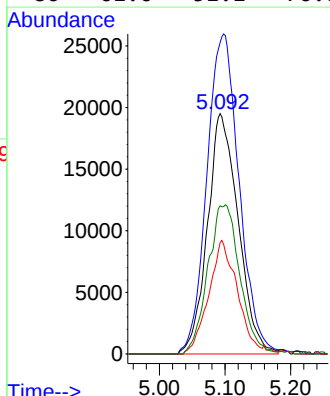
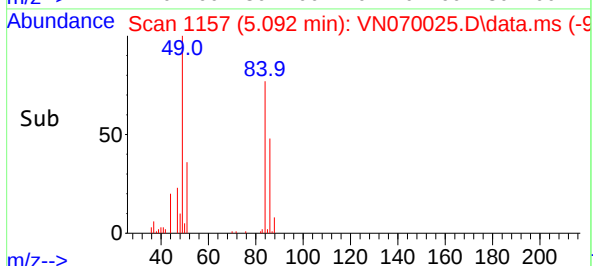
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

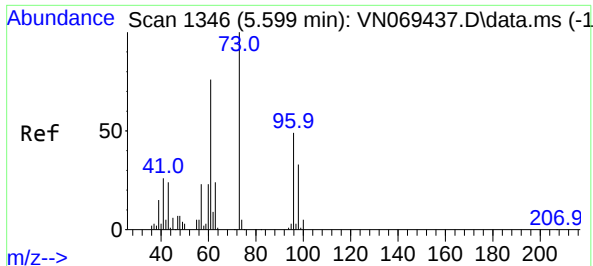


#18
Methylene Chloride
Concen: 5.546 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.006 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 84 Resp: 63502
Ion Ratio Lower Upper
84 100
49 129.6 91.4 137.0
51 46.3 29.4 44.0#
86 61.6 51.1 76.7





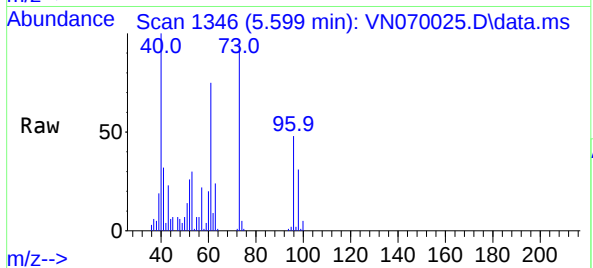
#19
trans-1,2-Dichloroethene
Concen: 5.335 ug/l
RT: 5.599 min Scan# 1346
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

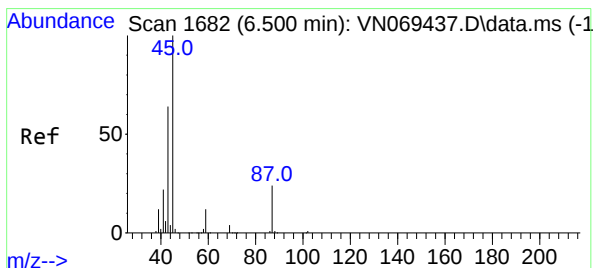
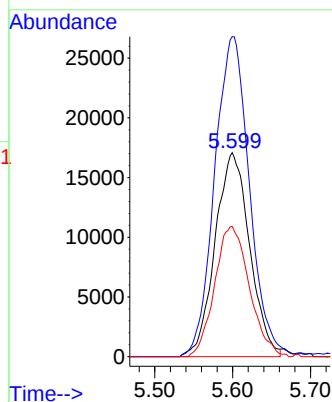
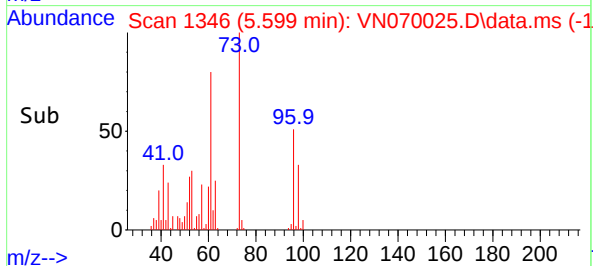


Tgt Ion: 96 Resp: 5261
Ion Ratio Lower Upper
96 100
61 156.8 102.8 154.2
98 63.8 49.3 73.9

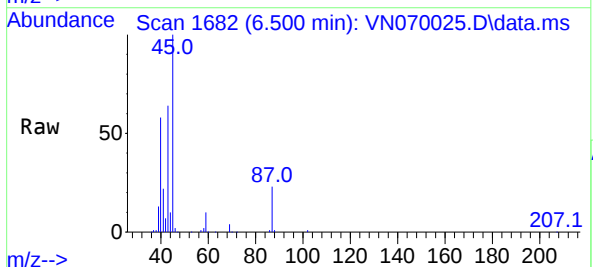
Manual Integrations

APPROVED

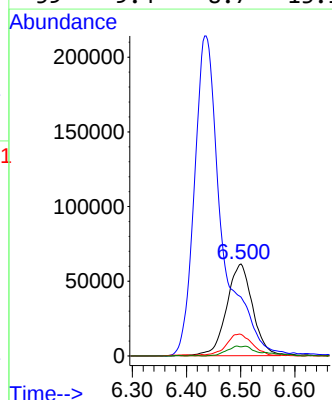
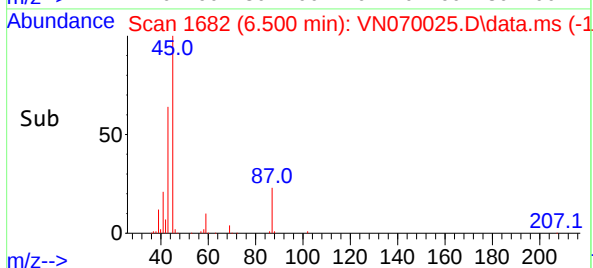
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

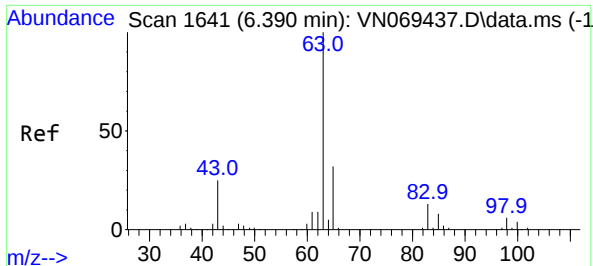


#20
Diisopropyl ether
Concen: 4.999 ug/l
RT: 6.500 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 45 Resp: 204618
Ion Ratio Lower Upper
45 100
43 59.3 51.0 76.4
87 22.9 25.0 37.4
59 9.4 8.7 13.1





#21
1,1-Dichloroethane
Concen: 5.439 ug/l
RT: 6.390 min Scan# 11293
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

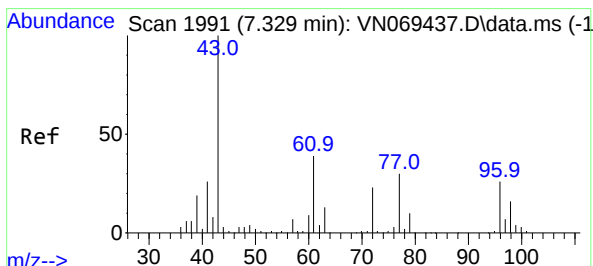
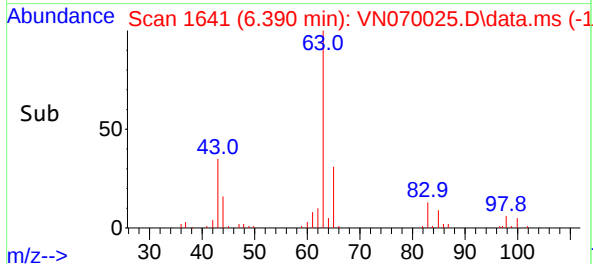
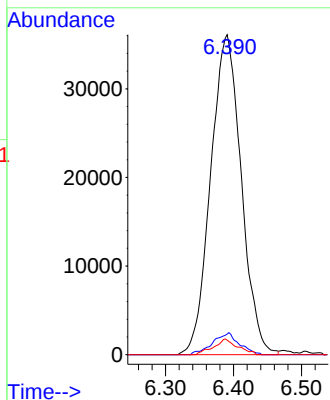
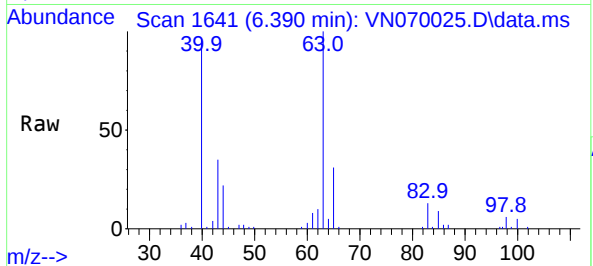
ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 11293
Ion Ratio Lower Upper
63 100
98 6.5 3.2 9.6
100 4.5 2.1 6.2

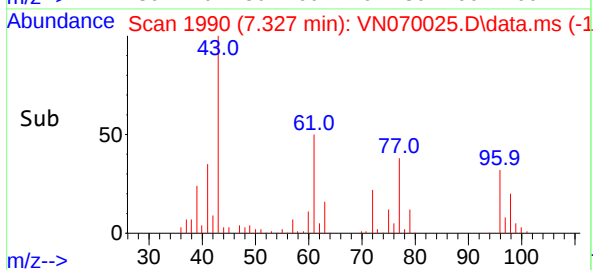
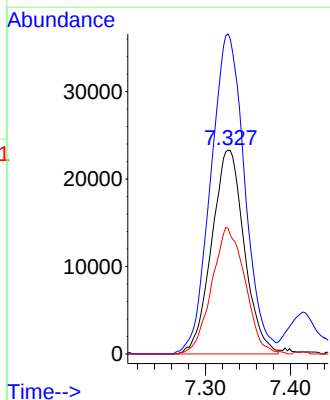
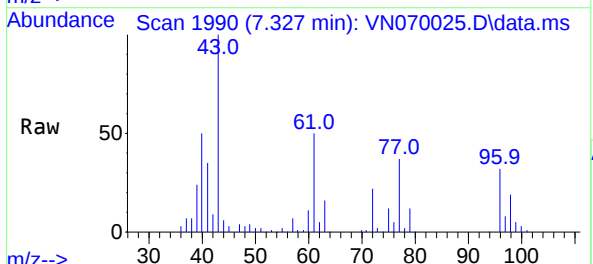
Manual Integrations
APPROVED

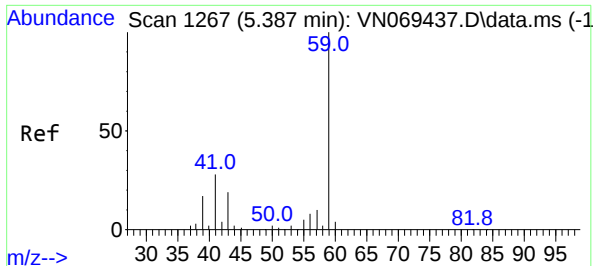
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#22
cis-1,2-Dichloroethene
Concen: 5.076 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 96 Resp: 62084
Ion Ratio Lower Upper
96 100
61 163.5 115.7 173.5
98 63.2 51.6 77.4





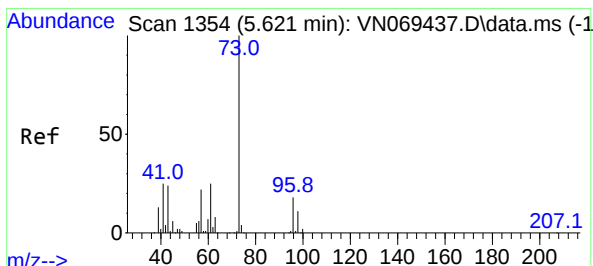
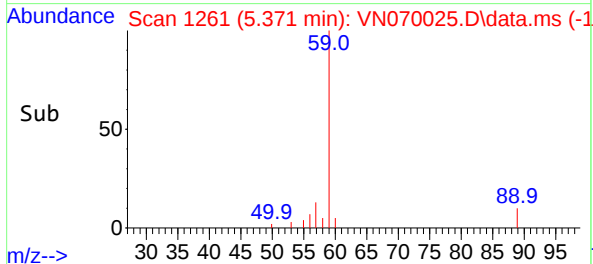
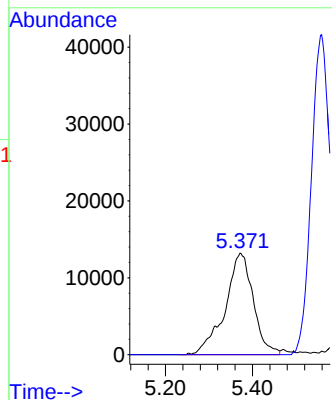
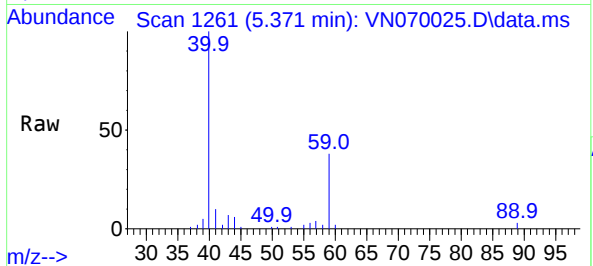
#23
tert-Butyl Alcohol
Concen: 24.116 ug/l m
RT: 5.371 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 59260
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

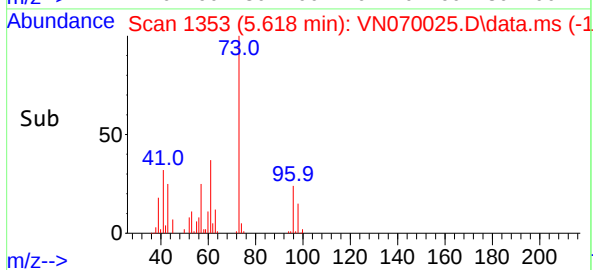
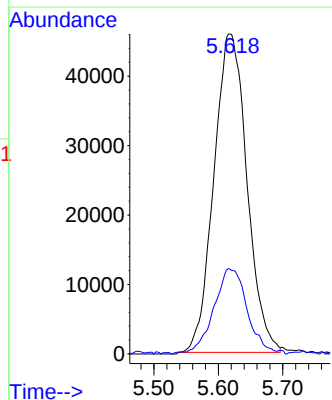
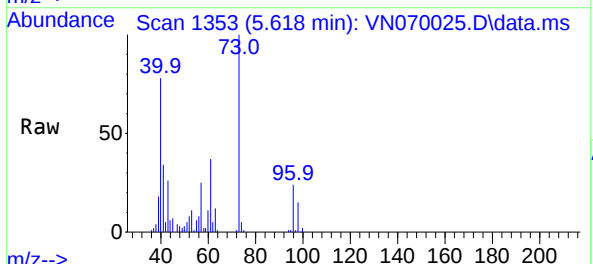
Manual Integrations
APPROVED

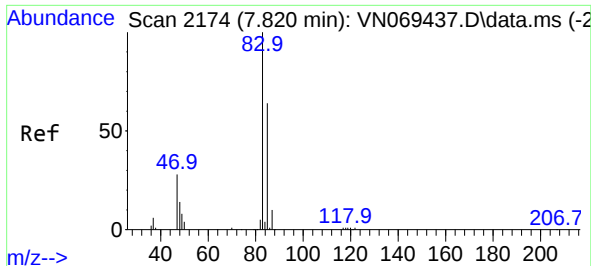
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#24
Methyl tert-Butyl Ether
Concen: 4.538 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

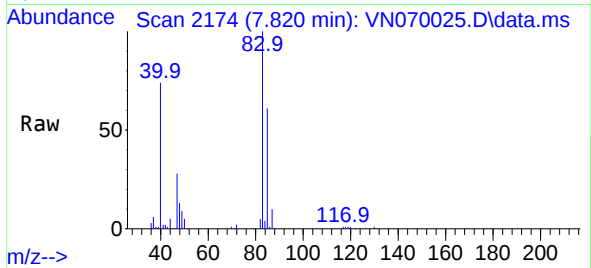
Tgt Ion: 73 Resp: 163437
Ion Ratio Lower Upper
73 100
43 26.9 18.1 27.1





#25
Chloroform
Concen: 5.384 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

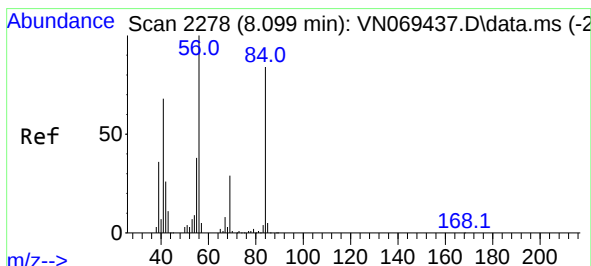
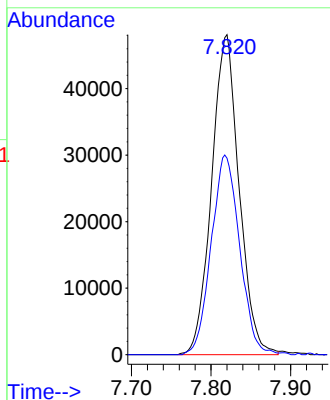
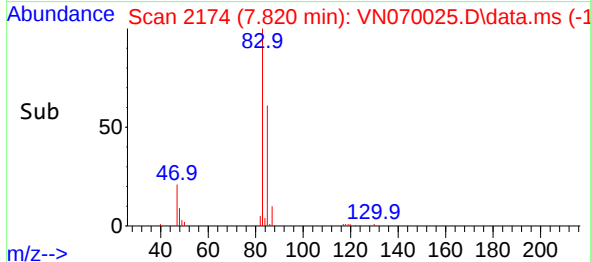
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



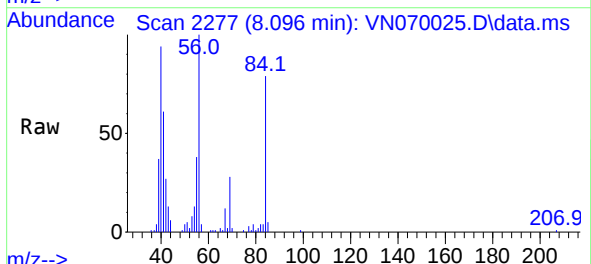
Tgt Ion: 83 Resp: 11558
Ion Ratio Lower Upper
83 100
85 61.4 51.3 76.9

Manual Integrations
APPROVED

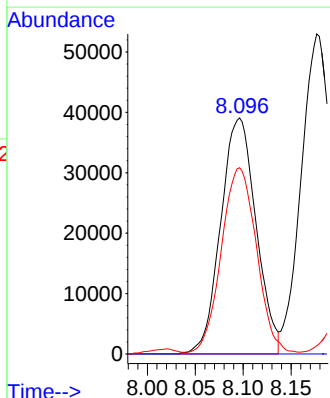
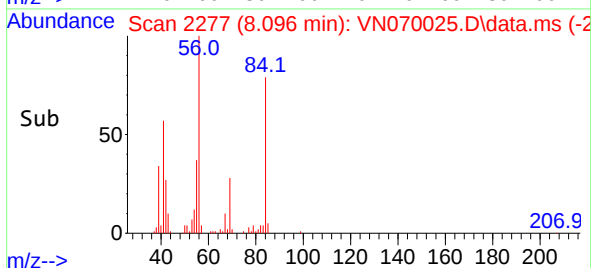
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

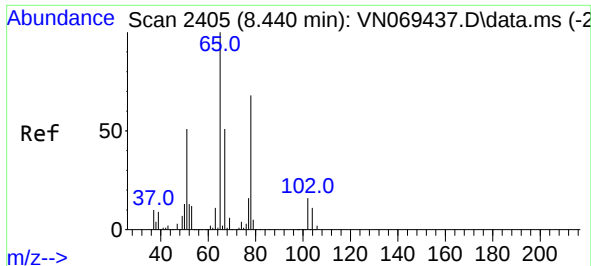


#26
Cyclohexane
Concen: 5.084 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 56 Resp: 100232
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 78.3 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 30.567 ug/l
RT: 8.437 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

ClientSampleId :

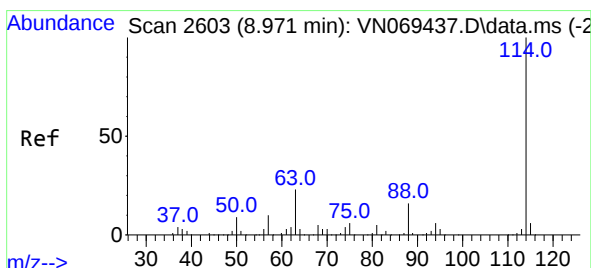
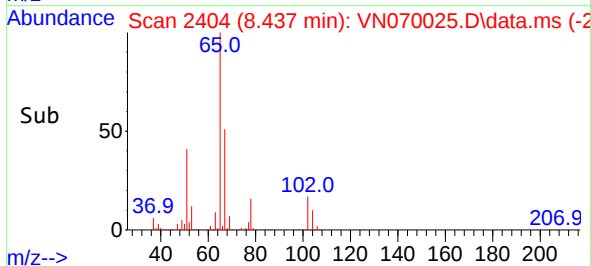
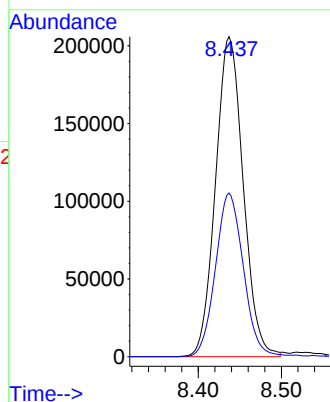
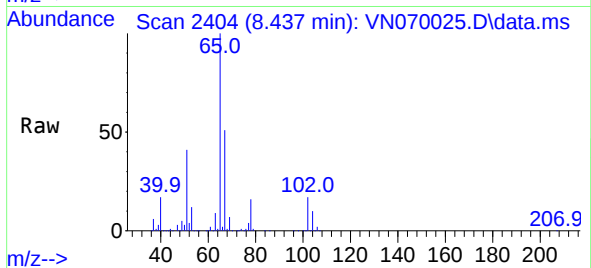
VSTDIC005

Tgt Ion: 65 Resp: 476750
Ion Ratio Lower Upper
65 100
67 51.5 40.2 60.2

Manual Integrations

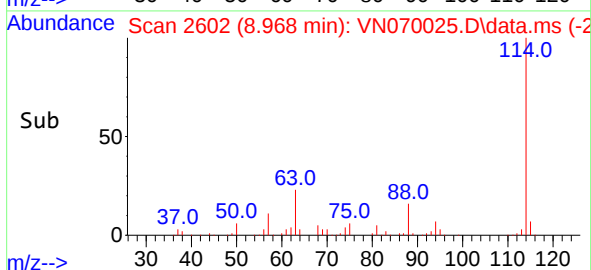
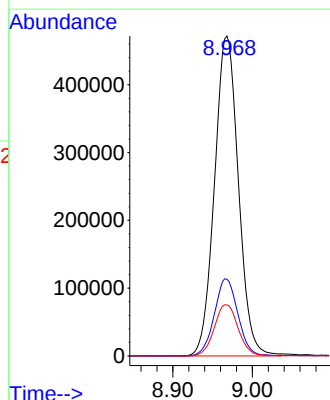
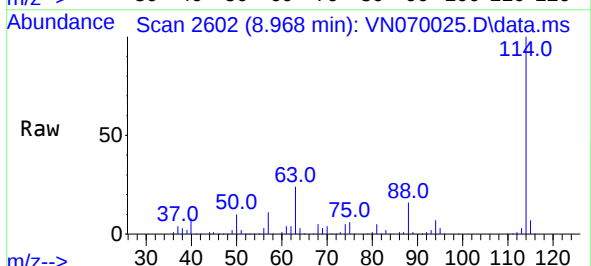
APPROVED

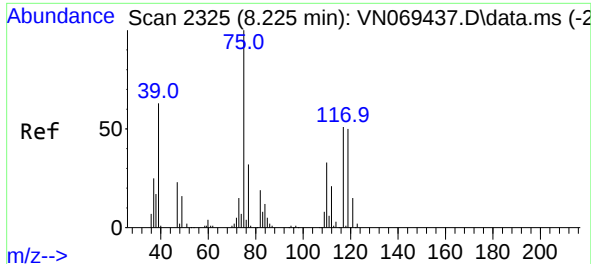
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

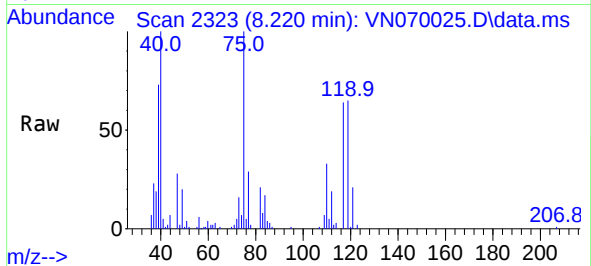
Tgt Ion:114 Resp: 985510
Ion Ratio Lower Upper
114 100
63 23.8 15.8 23.6#
88 16.1 11.6 17.4





#29
1,1-Dichloropropene
Concen: 5.422 ug/l
RT: 8.220 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

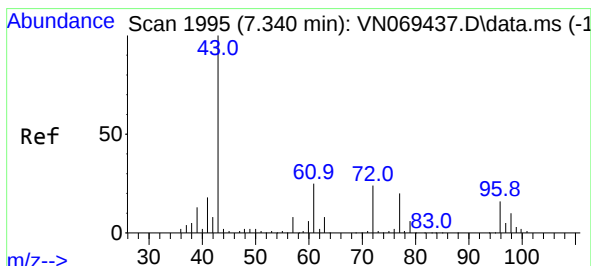
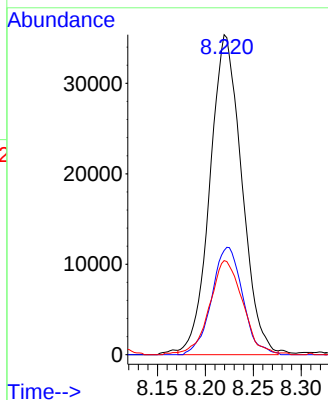
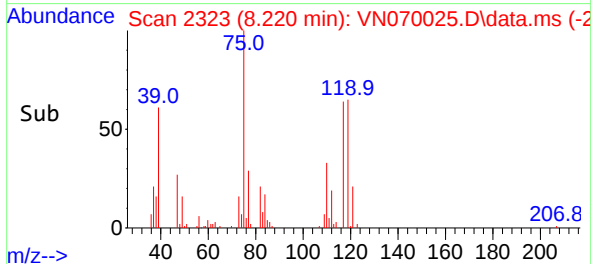
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



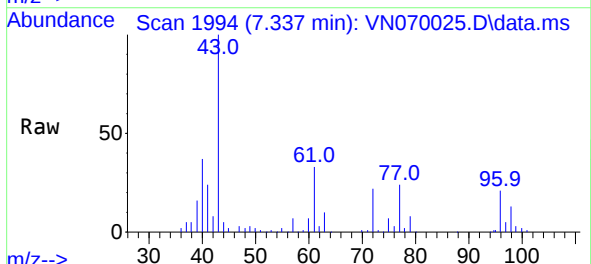
Tgt Ion: 75 Resp: 8156
Ion Ratio Lower Upper
75 100
110 32.7 0.0 74.2
77 29.7 0.0 63.2

Manual Integrations
APPROVED

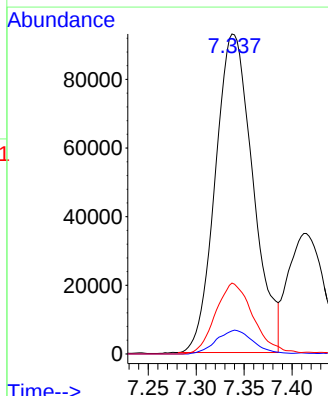
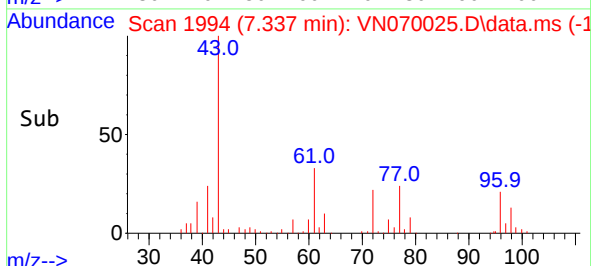
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

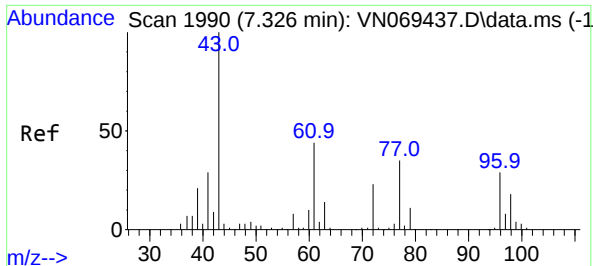


#30
2-Butanone
Concen: 23.306 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 43 Resp: 253785
Ion Ratio Lower Upper
43 100
57 7.3 6.7 10.1
72 22.4 23.2 34.8#





#31
2,2-Dichloropropane
Concen: 5.181 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

ClientSampleId :

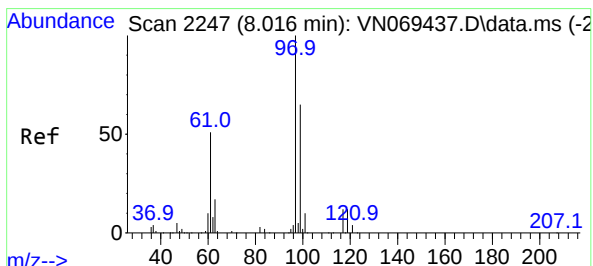
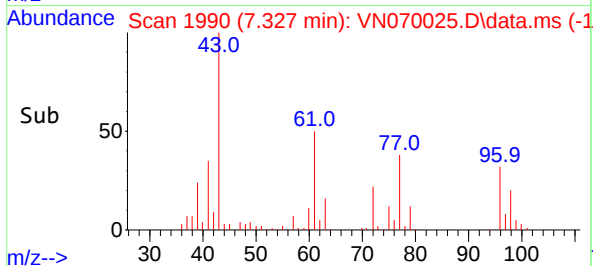
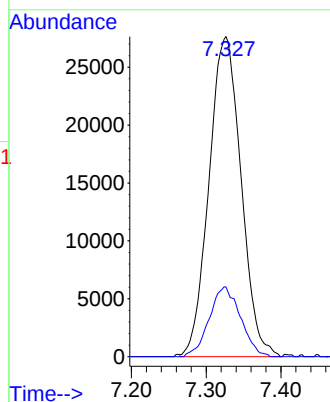
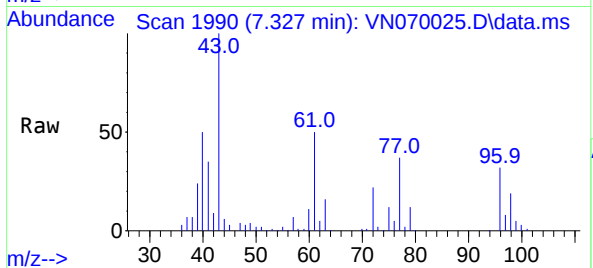
VSTDIC005

Tgt Ion: 77 Resp: 8240
Ion Ratio Lower Upper
77 100
97 14.9 18.3 27.5

Manual Integrations

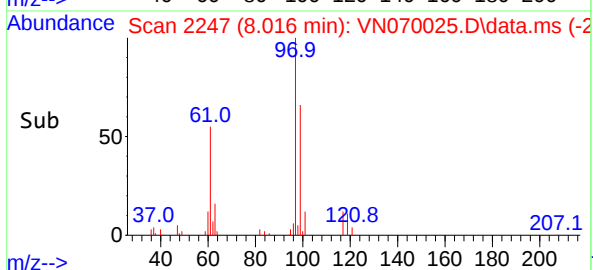
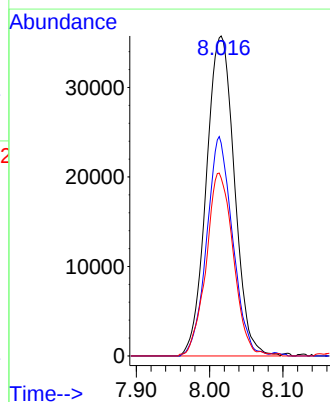
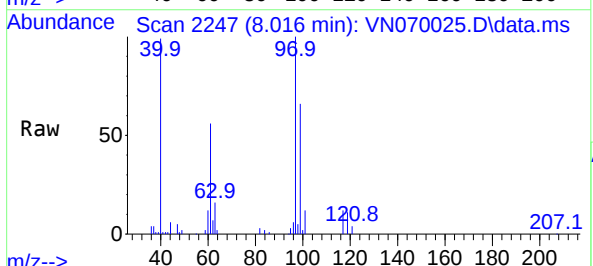
APPROVED

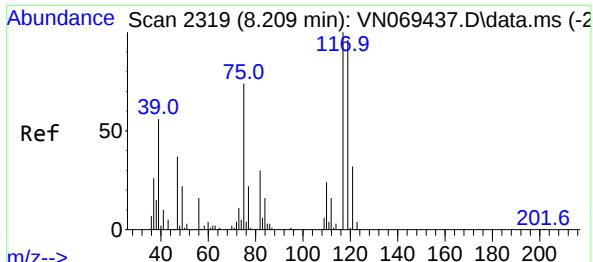
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#32
1,1,1-Trichloroethane
Concen: 5.421 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

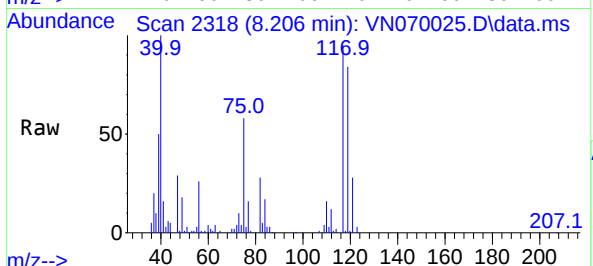
Tgt Ion: 97 Resp: 95208
Ion Ratio Lower Upper
97 100
99 63.3 50.4 75.6
61 54.8 34.6 51.8





#33
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

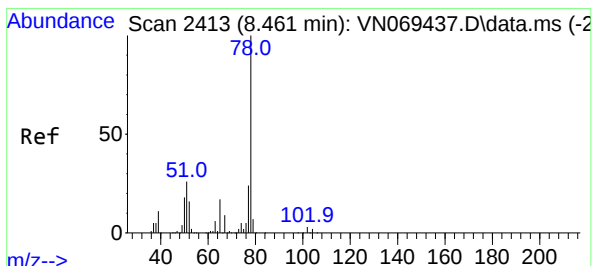
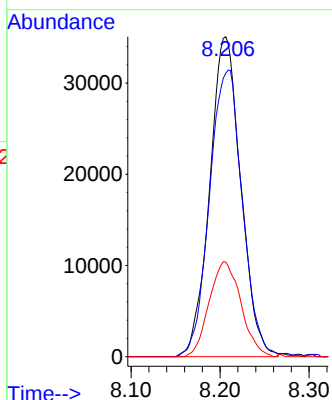
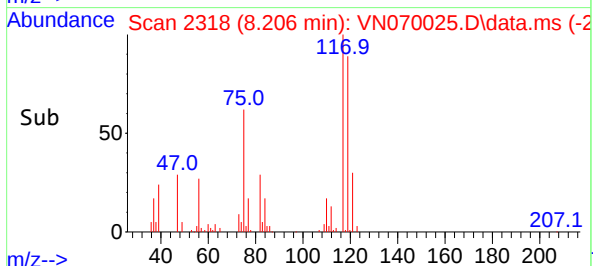
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 84972
Ion Ratio Lower Upper
117 100
119 88.1 77.5 116.3
121 29.6 23.5 35.3

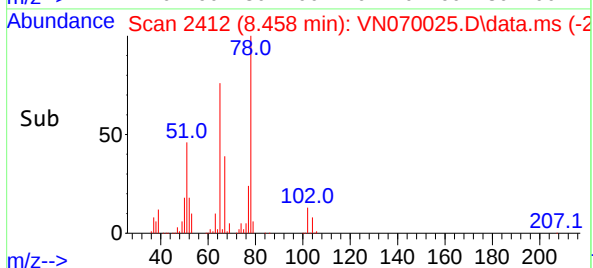
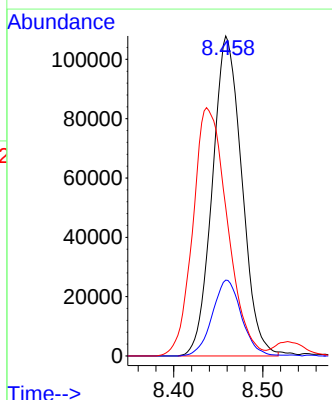
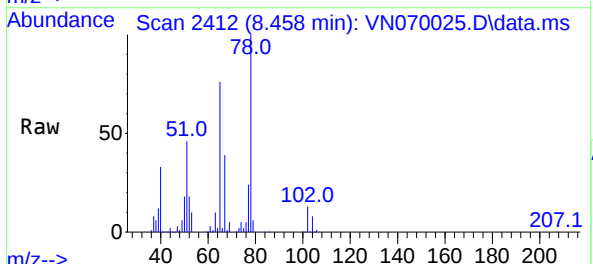
Manual Integrations
APPROVED

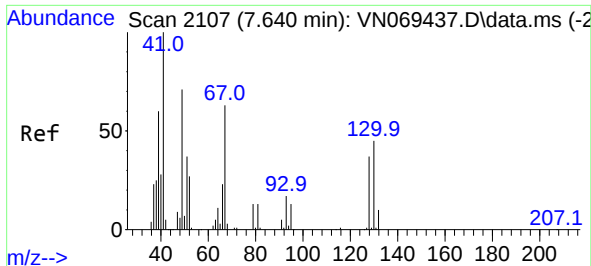
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#34
Benzene
Concen: 5.423 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

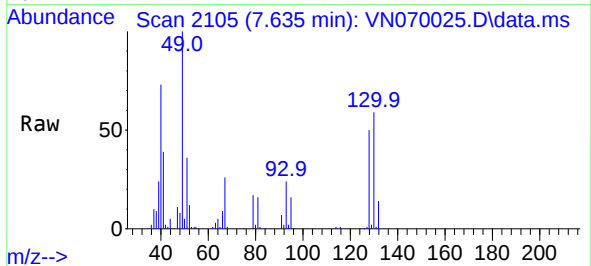
Tgt Ion: 78 Resp: 248115
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7
51 42.6 16.0 24.0#





#35
Methacrylonitrile
Concen: 5.001 ug/l m
RT: 7.635 min Scan# 2105
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

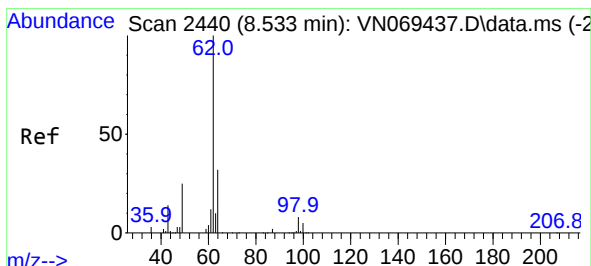
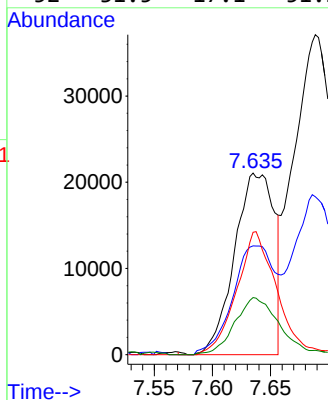
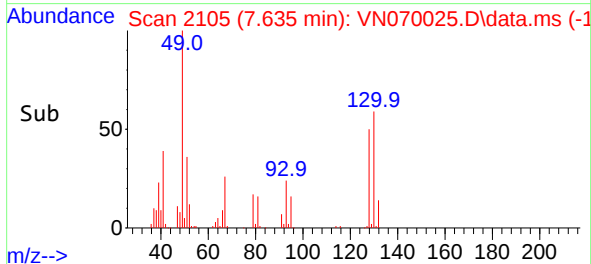
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 4994
Ion Ratio Lower Upper
41 100
39 60.0 28.0 83.9
67 67.4 37.7 113.1
52 31.5 17.1 51.2

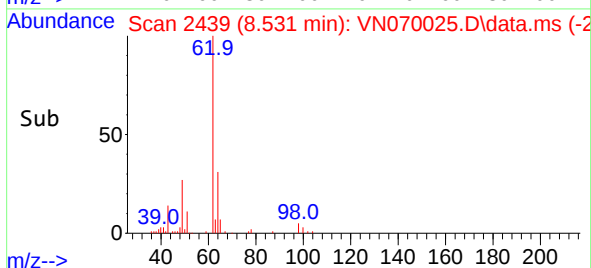
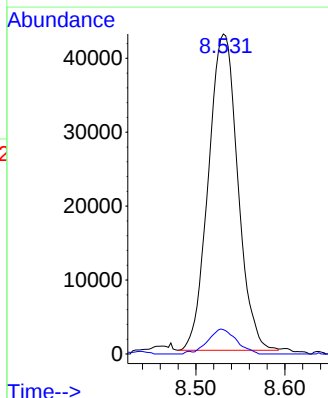
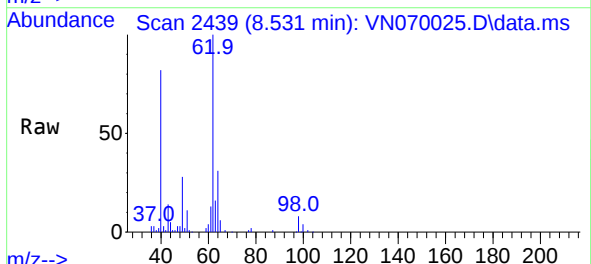
Manual Integrations
APPROVED

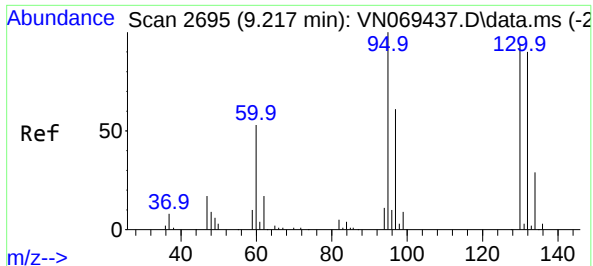
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#36
1,2-Dichloroethane
Concen: 5.569 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 62 Resp: 98219
Ion Ratio Lower Upper
62 100
98 7.5 6.6 10.0





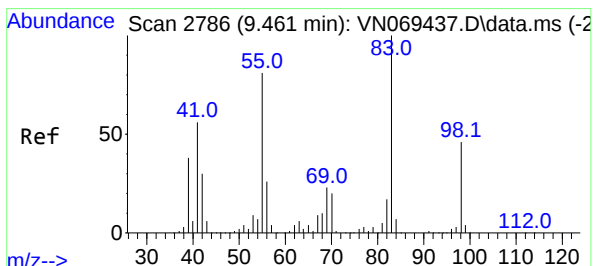
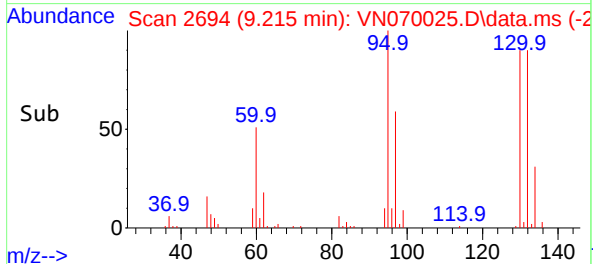
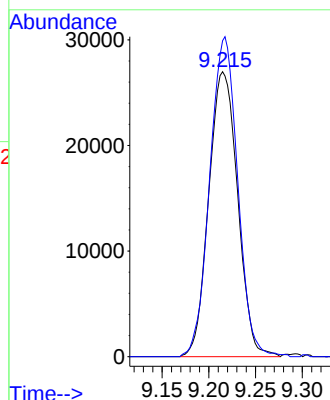
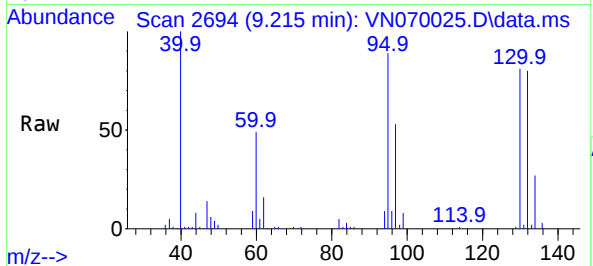
#37
Trichloroethene
Concen: 5.256 ug/l
RT: 9.215 min Scan# 2695
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:130 Resp: 5808
Ion Ratio Lower Upper
130 100
95 110.9 76.6 115.0

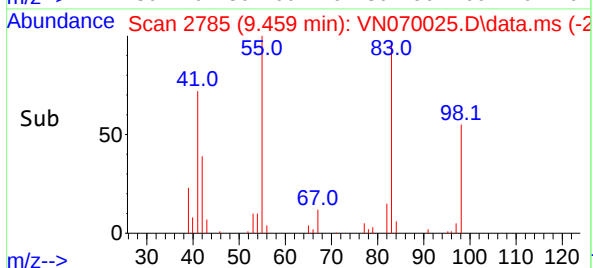
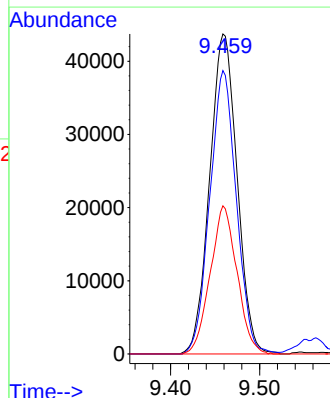
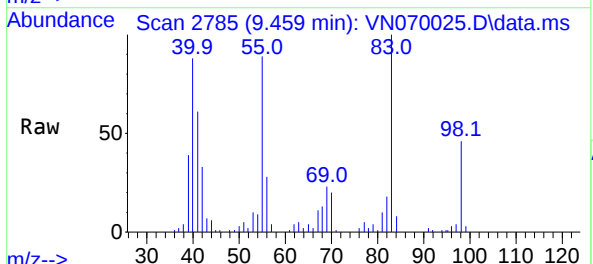
Manual Integrations
APPROVED

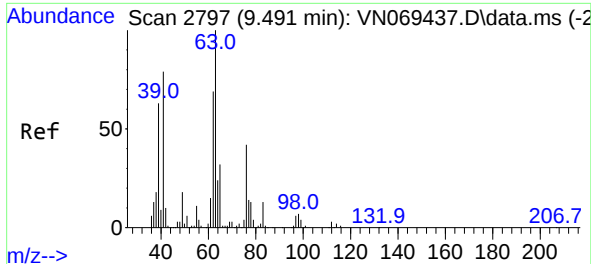
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#38
Methylcyclohexane
Concen: 5.034 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

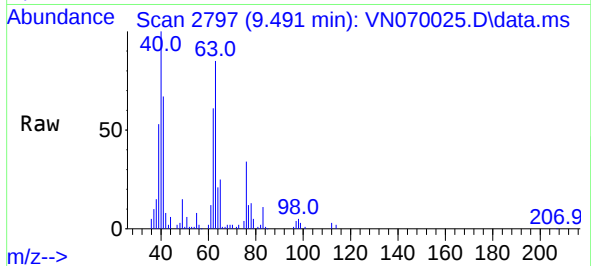
Tgt Ion: 83 Resp: 93686
Ion Ratio Lower Upper
83 100
55 85.8 35.1 105.3
98 45.2 23.4 70.2





#39
1,2-Dichloropropane
Concen: 5.335 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

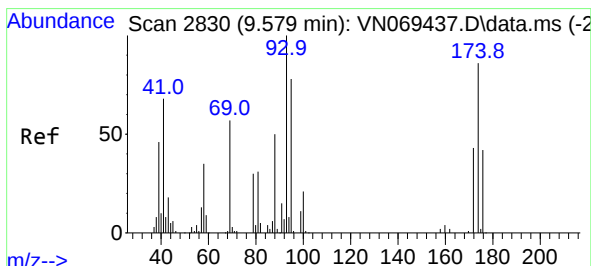
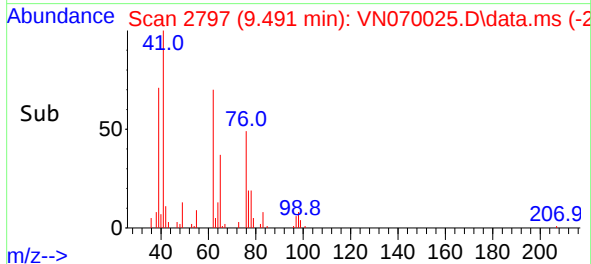
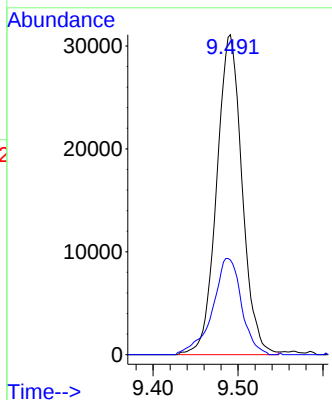
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 6464
Ion Ratio Lower Upper
63 100
65 29.6 24.2 36.4

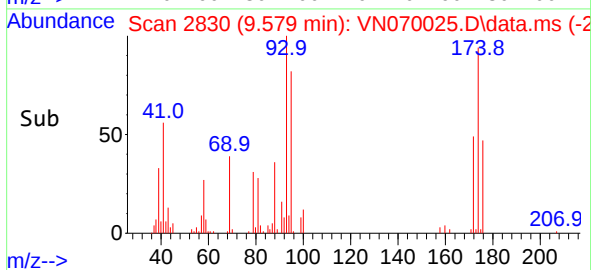
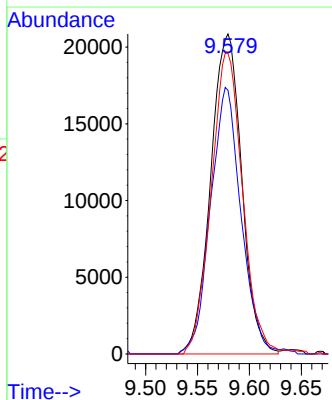
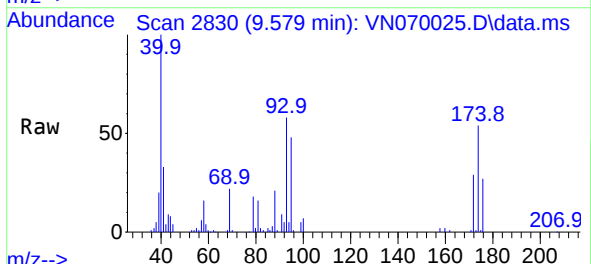
Manual Integrations
APPROVED

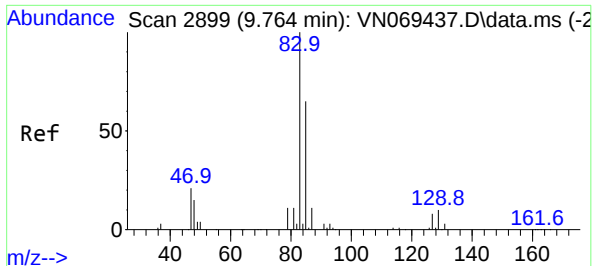
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#40
Dibromomethane
Concen: 5.348 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 93 Resp: 43398
Ion Ratio Lower Upper
93 100
95 81.8 0.0 168.8
174 94.9 0.0 173.6





#41
Bromodichloromethane
Concen: 5.998 ug/l
RT: 9.762 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

ClientSampleId :

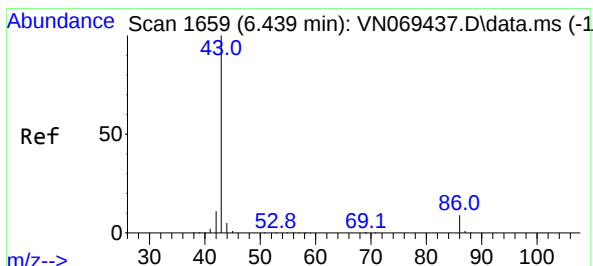
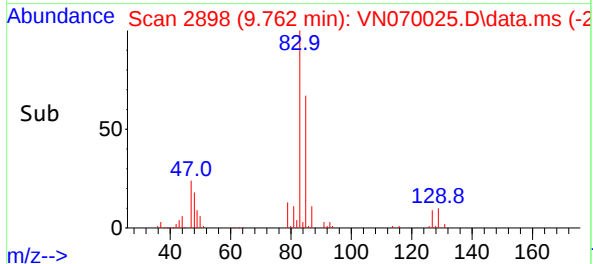
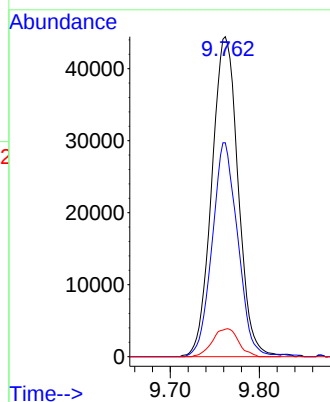
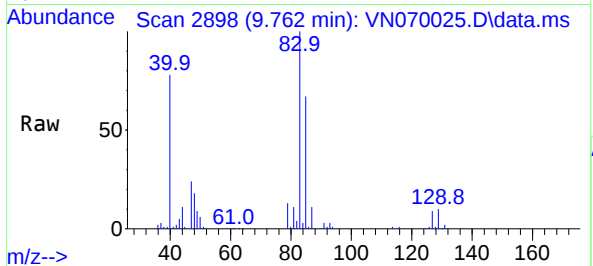
VSTDICC005

Tgt Ion: 83 Resp: 9136
Ion Ratio Lower Upper
83 100
85 66.9 54.1 81.1
127 8.6 7.6 11.4

Manual Integrations

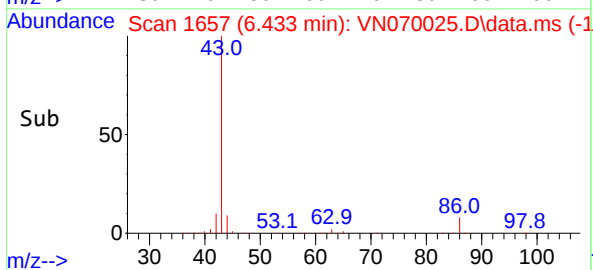
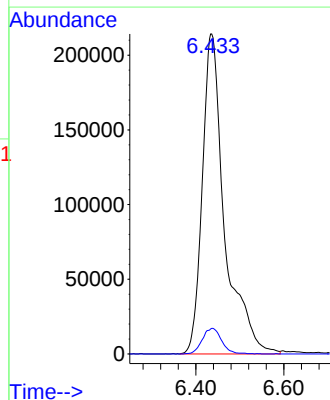
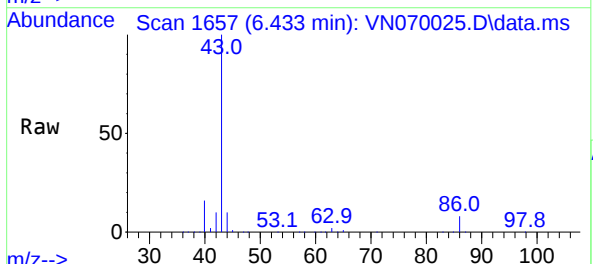
APPROVED

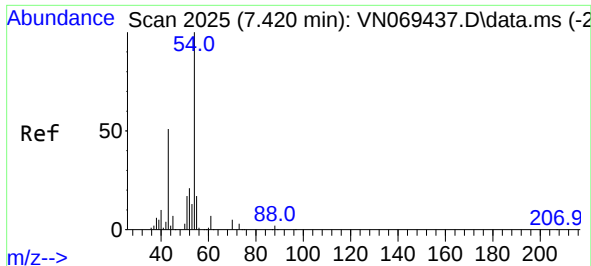
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#42
Vinyl Acetate
Concen: 24.504 ug/l
RT: 6.433 min Scan# 1657
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 43 Resp: 754054
Ion Ratio Lower Upper
43 100
86 6.9 7.5 11.3#





#43

Ethyl Acetate

Concen: 4.427 ug/l

RT: 7.415 min Scan# 20

Delta R.T. 0.003 min

Lab File: VN070025.D

Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 89329

Ion Ratio Lower Upper

43 100

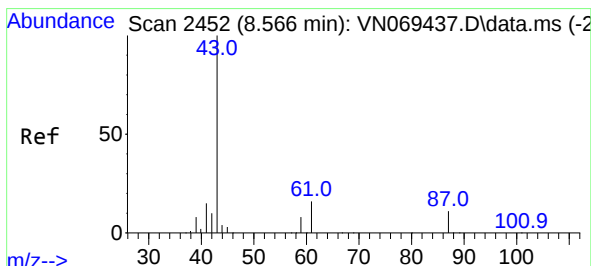
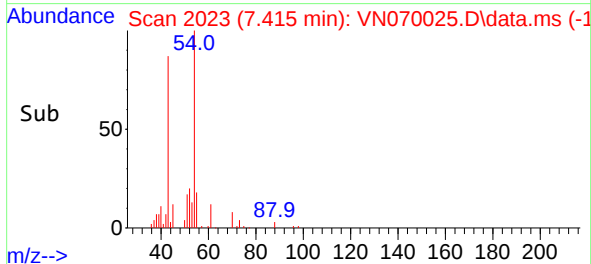
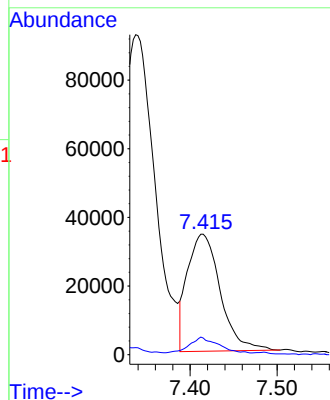
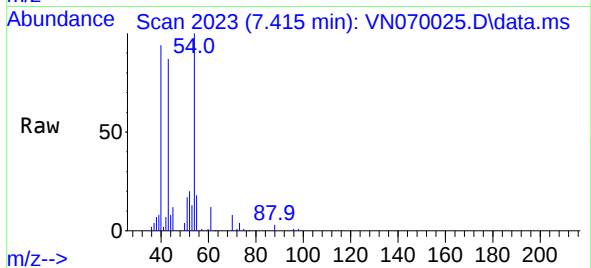
45 10.9 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#44

Isopropyl Acetate

Concen: 4.542 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. -0.000 min

Lab File: VN070025.D

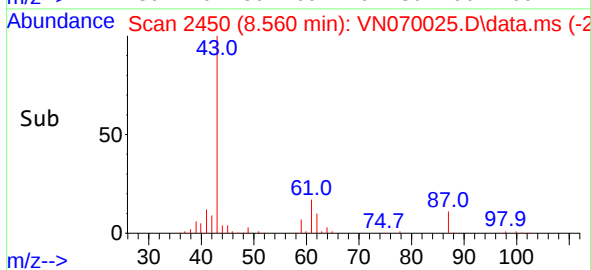
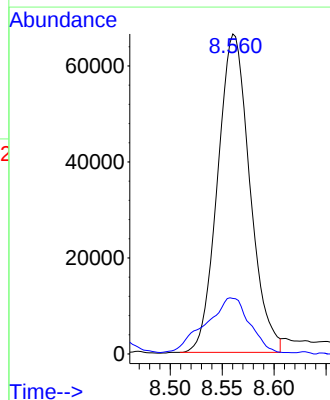
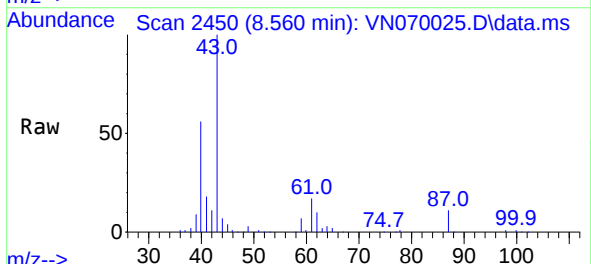
Acq: 13 Dec 2021 10:16

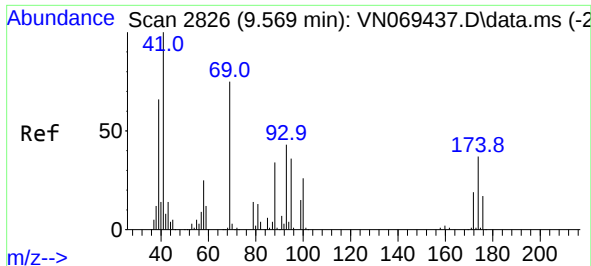
Tgt Ion: 43 Resp: 142896

Ion Ratio Lower Upper

43 100

61 24.7 20.1 30.1





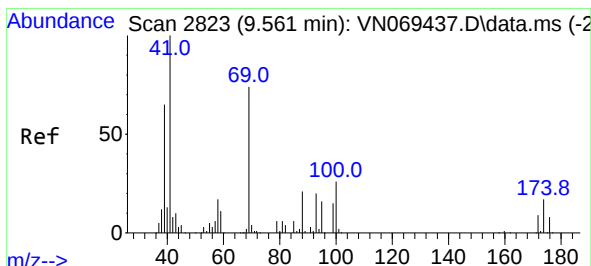
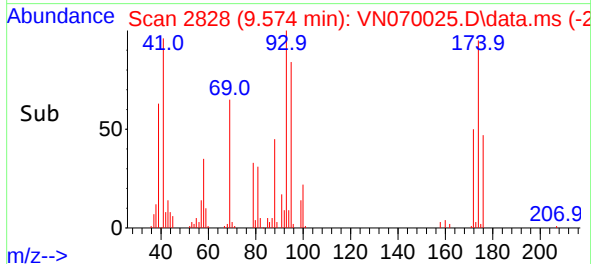
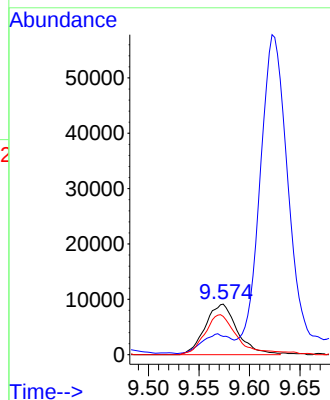
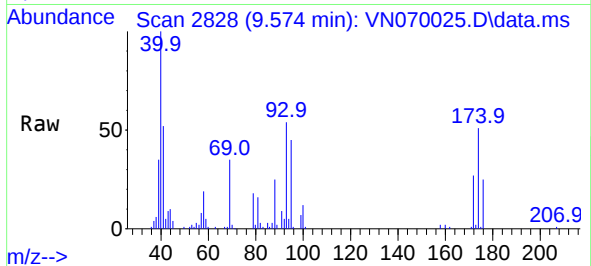
#45
1,4-Dioxane
Concen: 78.830 ug/l
RT: 9.574 min Scan# 2826
Delta R.T. 0.005 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 2013
Ion Ratio Lower Upper
88 100
43 34.2 25.0 37.6
58 80.0 49.4 74.2

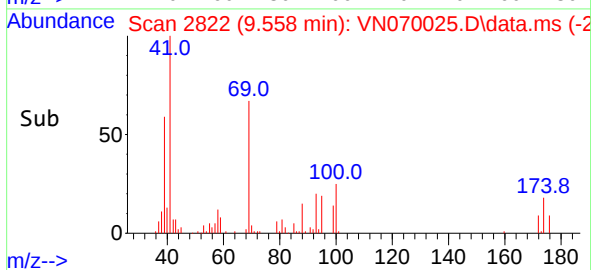
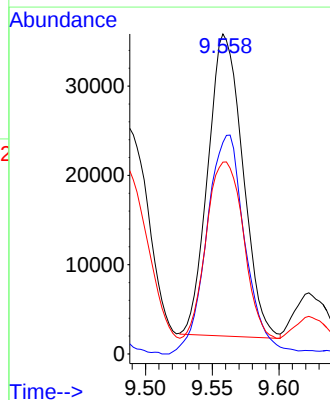
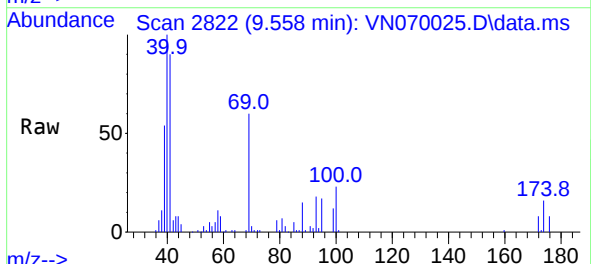
Manual Integrations
APPROVED

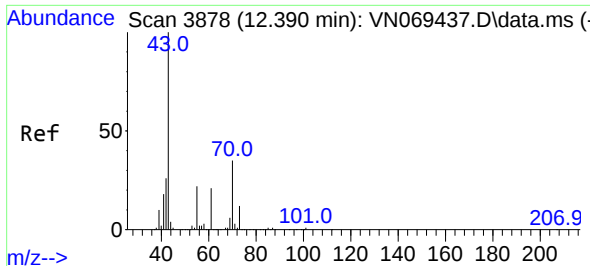
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#46
Methyl methacrylate
Concen: 4.235 ug/l
RT: 9.558 min Scan# 2822
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

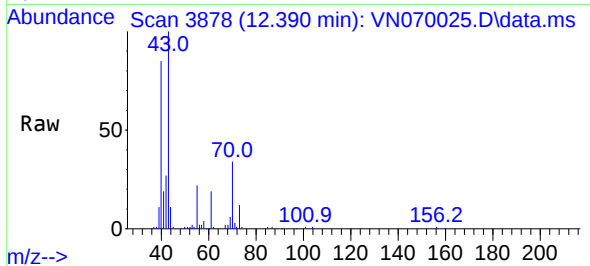
Tgt Ion: 41 Resp: 61359
Ion Ratio Lower Upper
41 100
69 68.2 44.4 133.2
39 58.7 39.9 119.6





#47
n-amy1 Acetate
Concen: 3.088 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

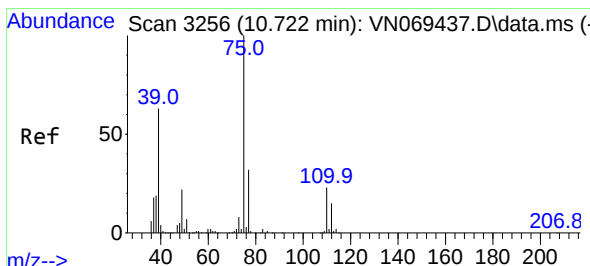
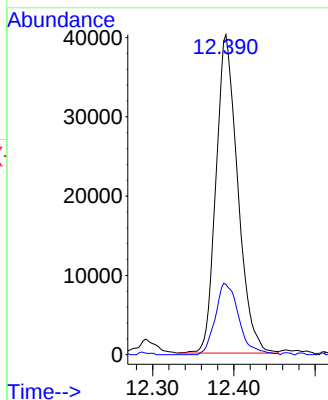
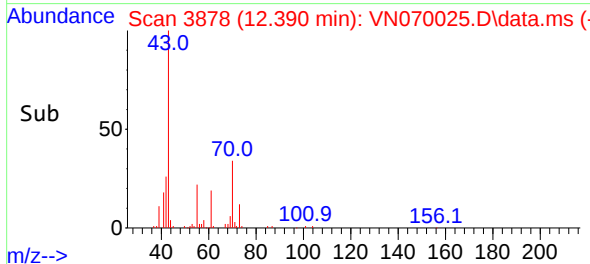
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



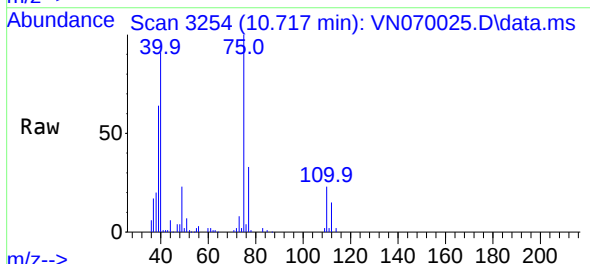
Tgt Ion: 43 Resp: 7461
Ion Ratio Lower Upper
43 100
55 24.2 19.0 28.6

Manual Integrations
APPROVED

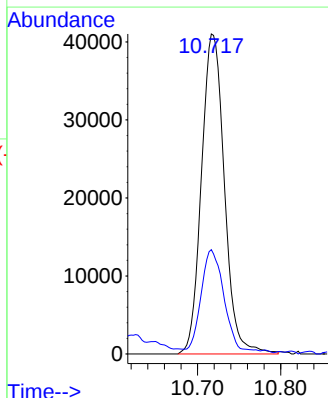
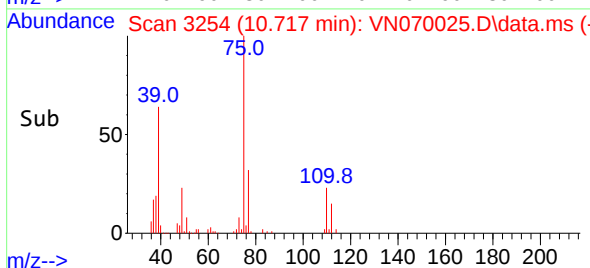
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

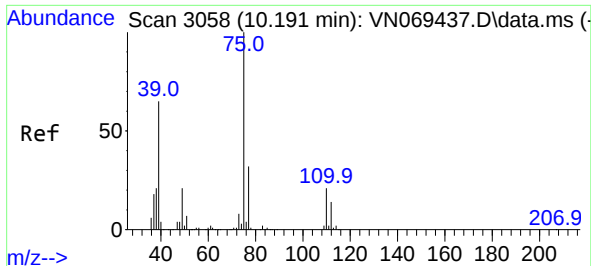


#48
t-1,3-Dichloropropene
Concen: 4.813 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



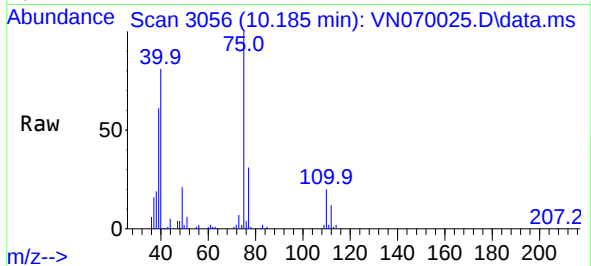
Tgt Ion: 75 Resp: 78678
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 5.075 ug/l
RT: 10.185 min Scan# 3058
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

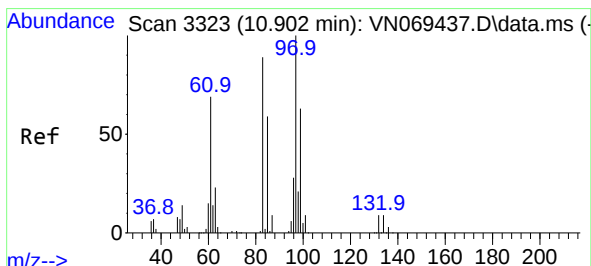
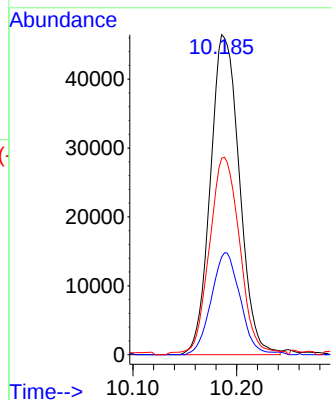
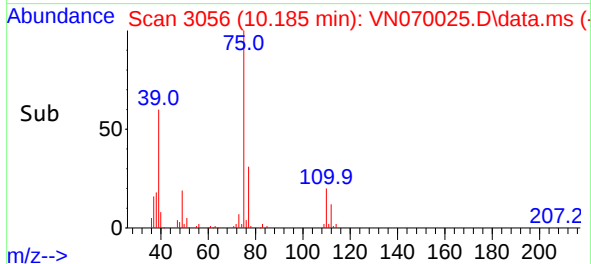
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 9026
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9
39 60.6 46.2 69.4

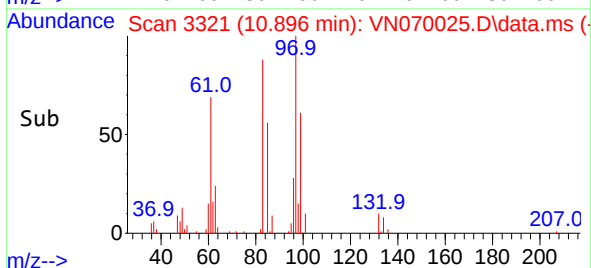
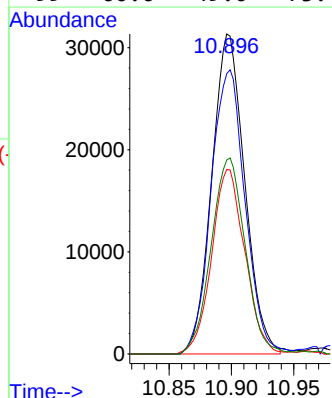
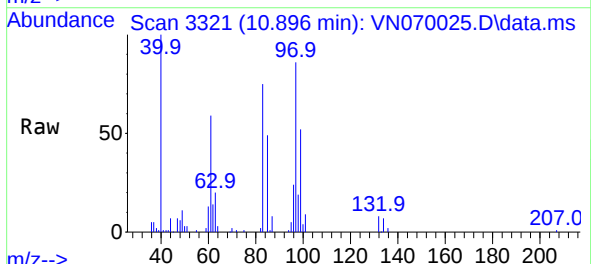
Manual Integrations
APPROVED

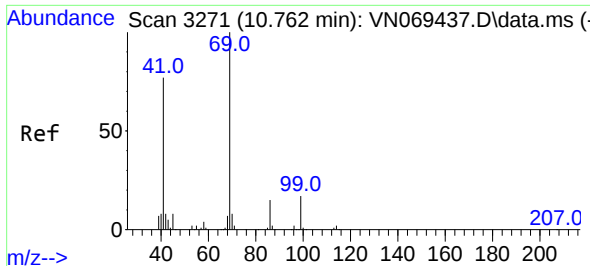
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#50
1,1,2-Trichloroethane
Concen: 4.998 ug/l
RT: 10.896 min Scan# 3321
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

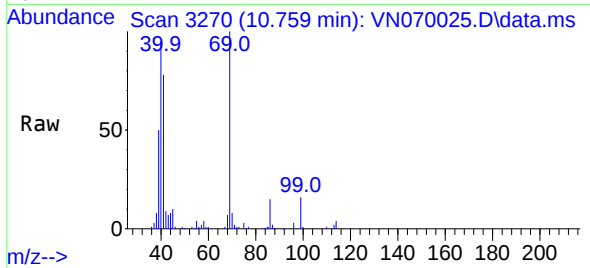
Tgt Ion: 97 Resp: 57592
Ion Ratio Lower Upper
97 100
83 87.6 67.2 100.8
85 57.1 43.0 64.4
99 60.6 49.0 73.4





#51
Ethyl methacrylate
Concen: 3.921 ug/l
RT: 10.759 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

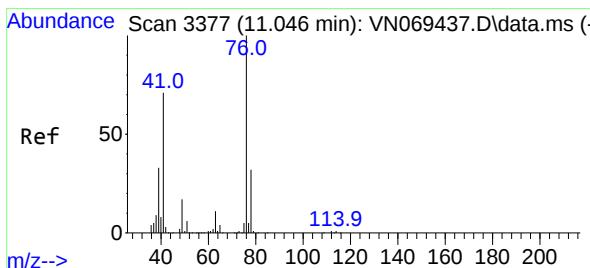
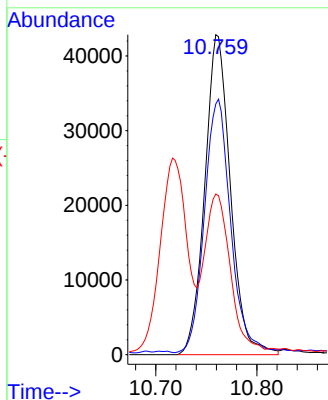
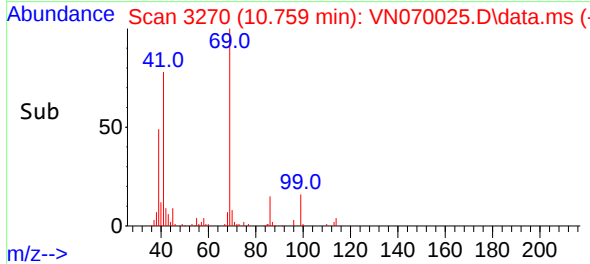
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 69 Resp: 75750
Ion Ratio Lower Upper
69 100
41 77.5 33.0 98.9
39 48.5 25.4 76.4

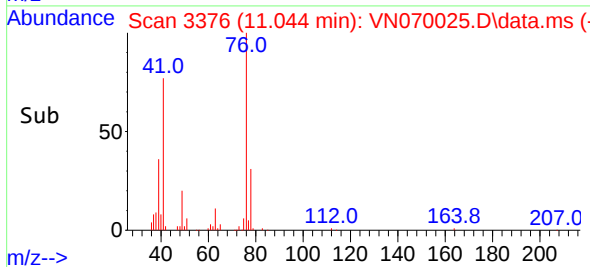
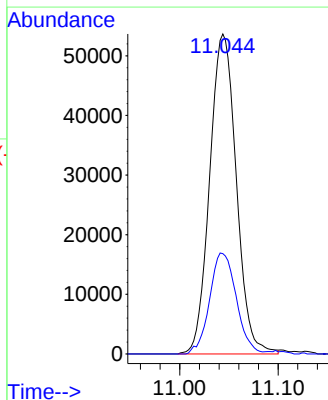
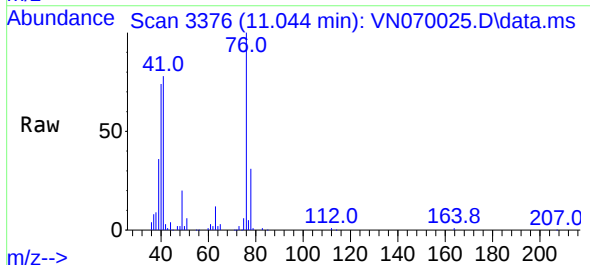
Manual Integrations
APPROVED

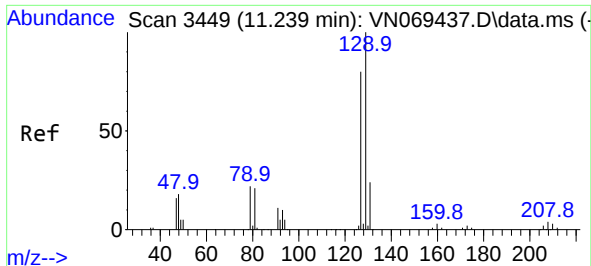
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#52
1,3-Dichloropropane
Concen: 5.080 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 76 Resp: 101116
Ion Ratio Lower Upper
76 100
78 31.6 0.0 65.4





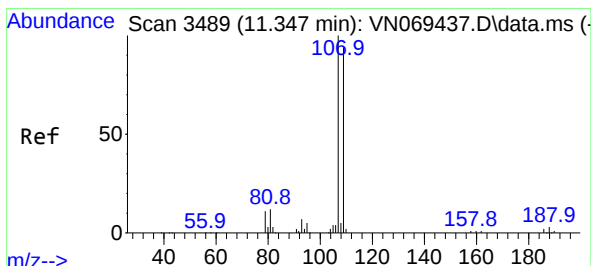
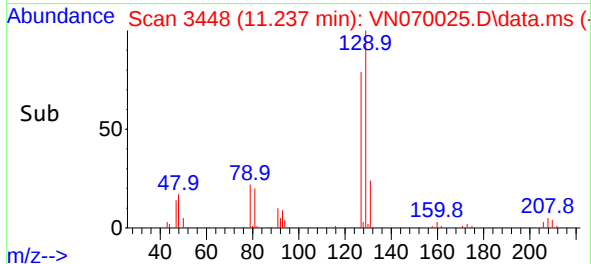
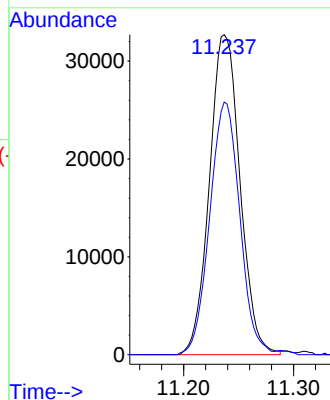
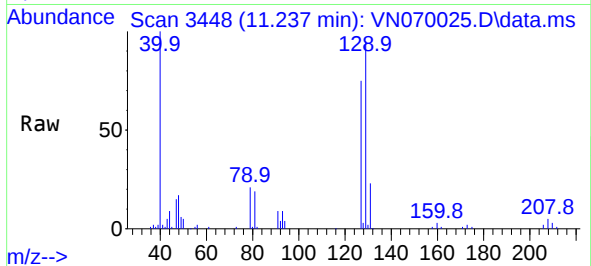
#53
Dibromochloromethane
Concen: 5.752 ug/l
RT: 11.237 min Scan# 3449
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 6334
Ion Ratio Lower Upper
129 100
127 77.3 39.0 117.0

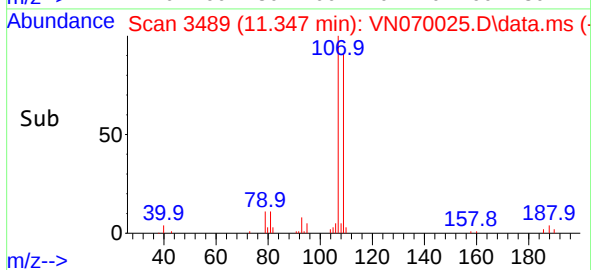
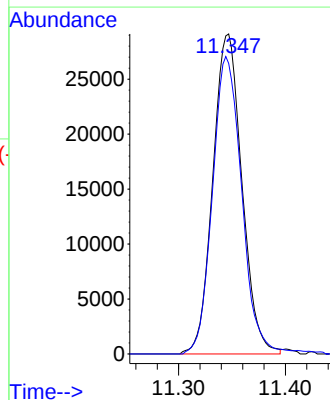
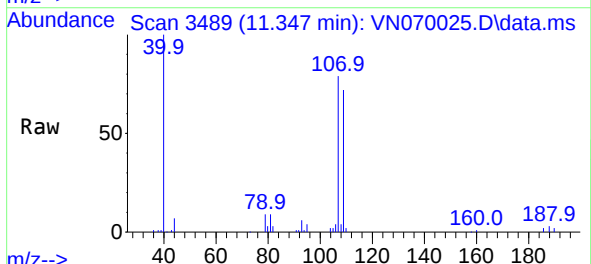
Manual Integrations
APPROVED

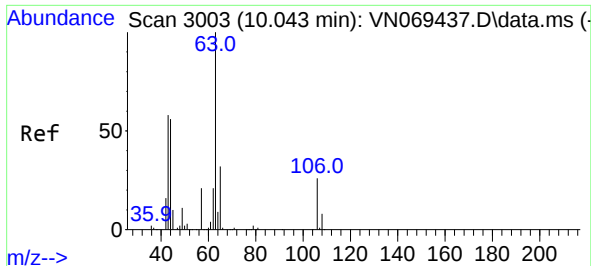
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#54
1,2-Dibromoethane
Concen: 4.612 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion:107 Resp: 55036
Ion Ratio Lower Upper
107 100
109 93.4 72.8 109.2





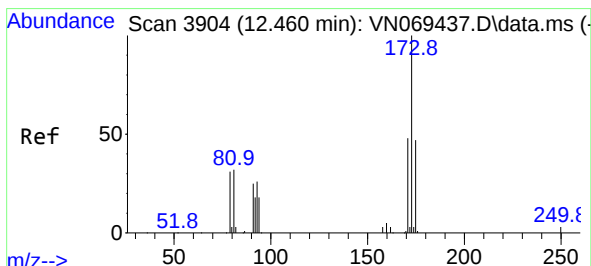
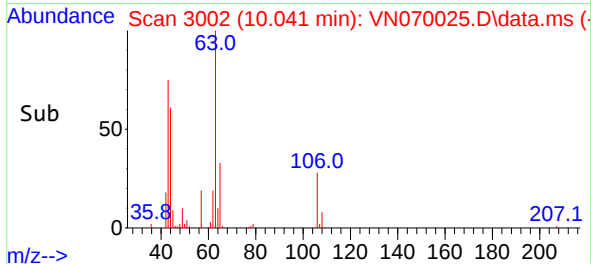
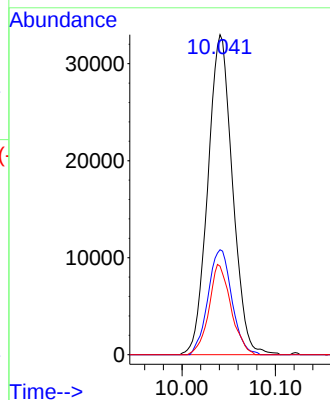
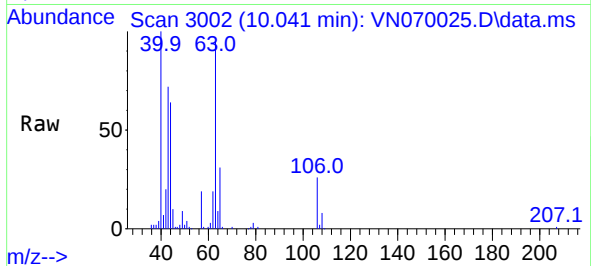
#55
2-Chloroethyl vinyl ether
Concen: 13.742 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 6039
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.0
106 25.1 23.2 34.8

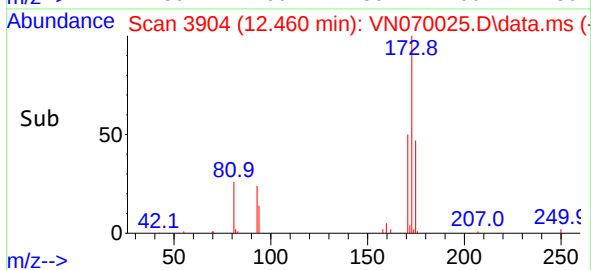
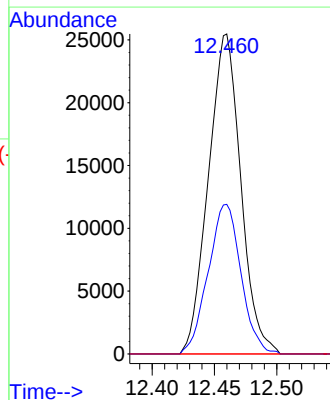
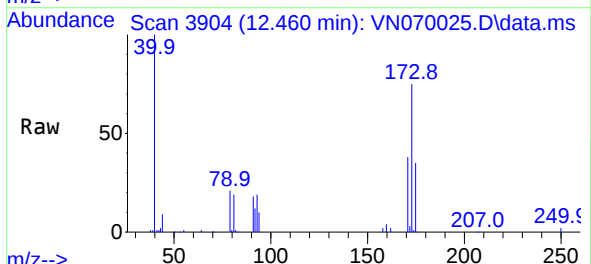
Manual Integrations
APPROVED

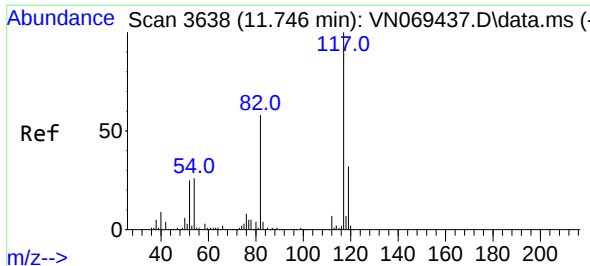
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#56
Bromoform
Concen: 5.839 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion:173 Resp: 46105
Ion Ratio Lower Upper
173 100
175 47.2 38.6 58.0
254 0.0 0.0 0.0





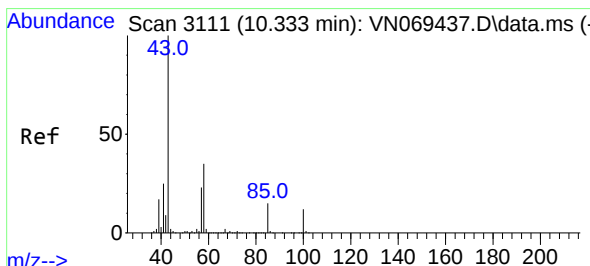
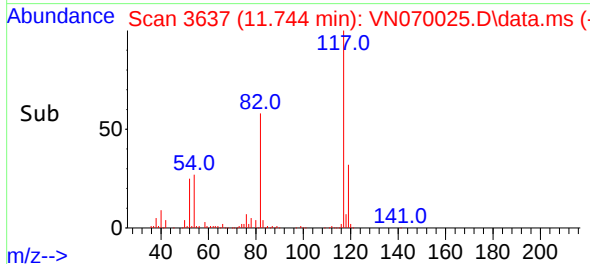
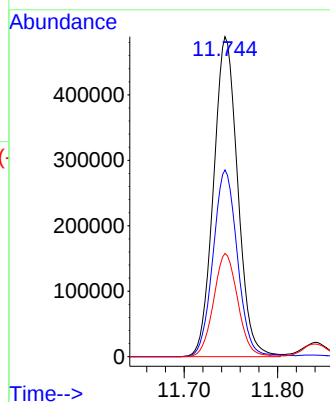
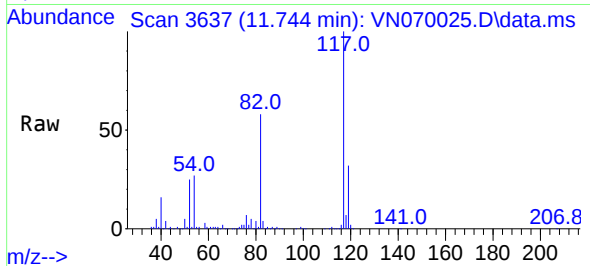
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 878830
Ion Ratio Lower Upper
117 100
82 58.9 43.6 65.4
119 32.2 25.8 38.6

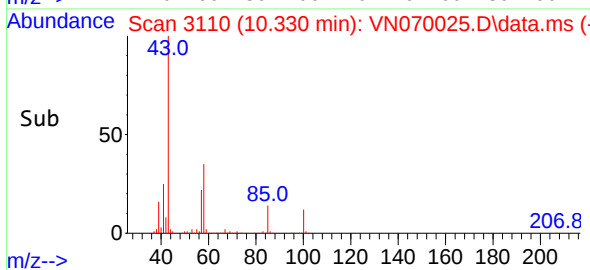
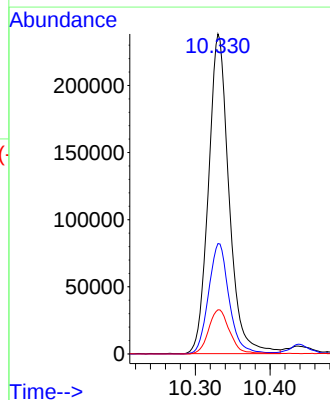
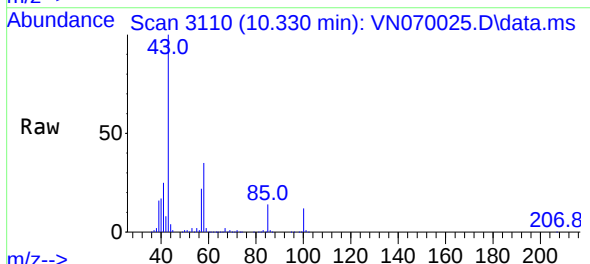
Manual Integrations
APPROVED

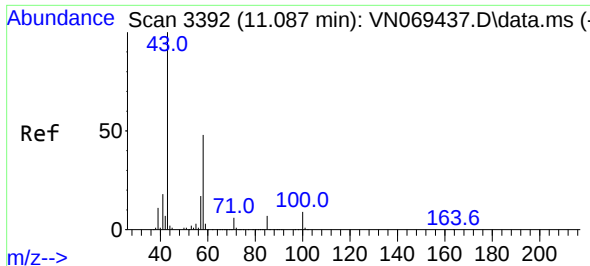
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#58
4-Methyl-2-Pentanone
Concen: 23.600 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

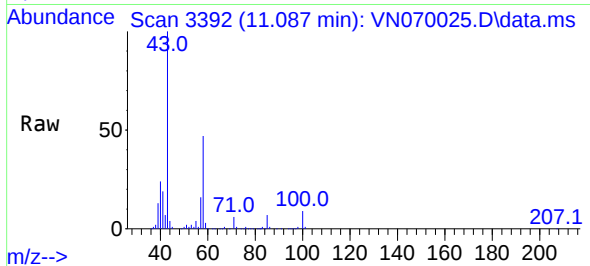
Tgt Ion: 43 Resp: 455266
Ion Ratio Lower Upper
43 100
58 34.7 30.0 45.0
85 14.2 15.0 22.6





#59
2-Hexanone
Concen: 20.930 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

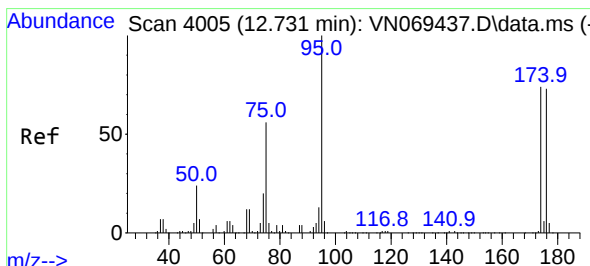
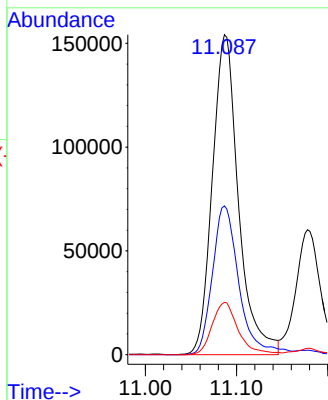
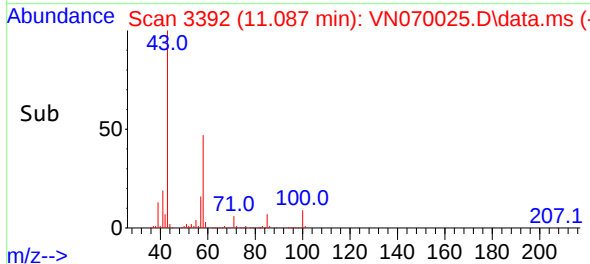
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



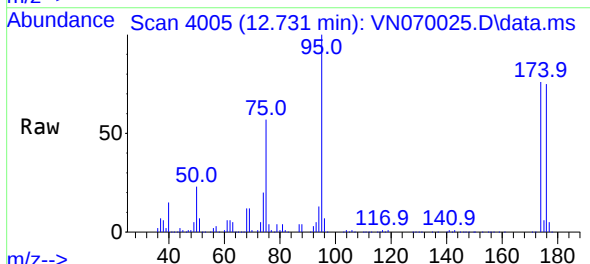
Tgt Ion: 43 Resp: 307129
Ion Ratio Lower Upper
43 100
58 45.7 42.2 63.2
57 16.2 15.0 22.4

Manual Integrations
APPROVED

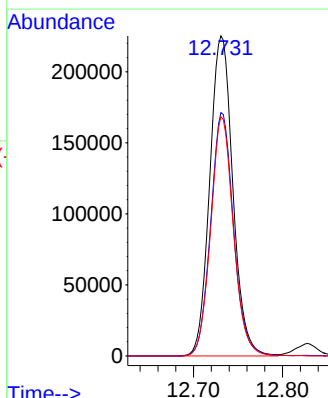
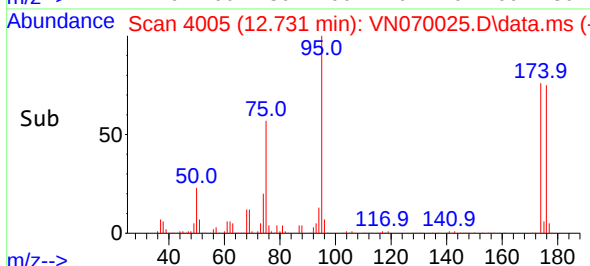
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

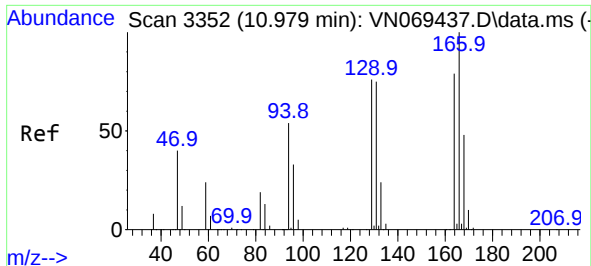


#60
4-Bromofluorobenzene
Concen: 28.846 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



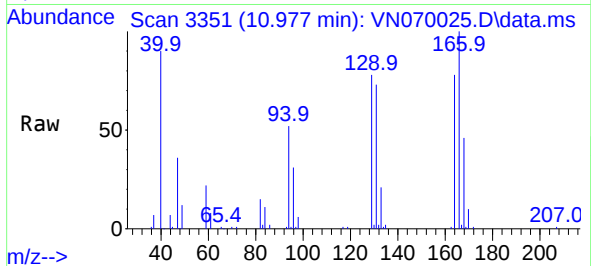
Tgt Ion: 95 Resp: 405675
Ion Ratio Lower Upper
95 100
174 75.4 62.9 94.3
176 73.3 61.0 91.4





#61
Tetrachloroethene
Concen: 5.779 ug/l
RT: 10.977 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

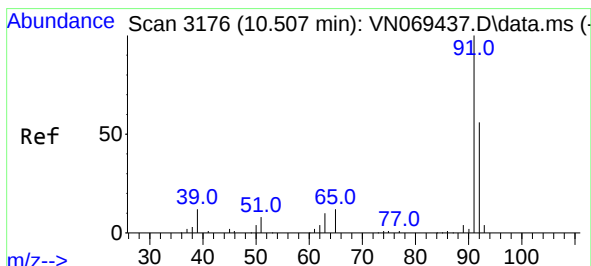
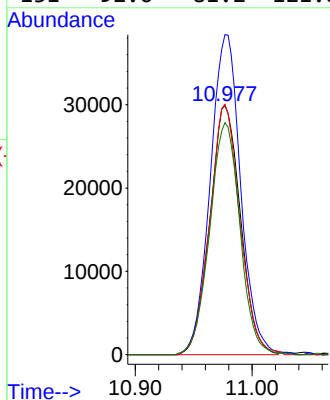
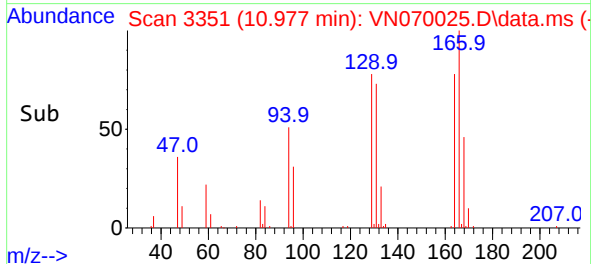
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



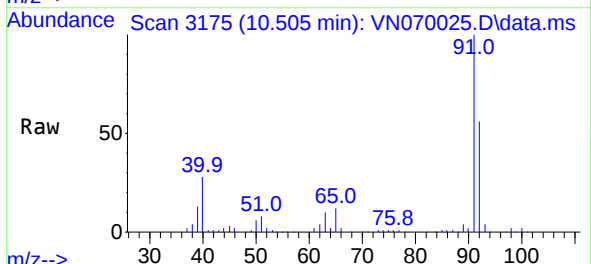
Tgt Ion:164 Resp: 5451
Ion Ratio Lower Upper
164 100
166 128.4 105.8 158.8
129 100.5 82.5 123.7
131 92.6 81.2 121.8

Manual Integrations
APPROVED

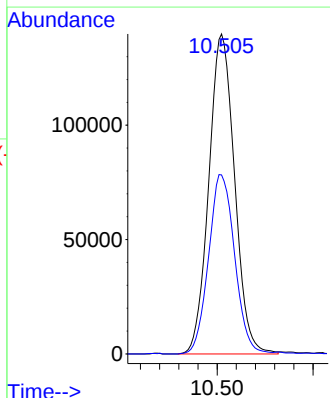
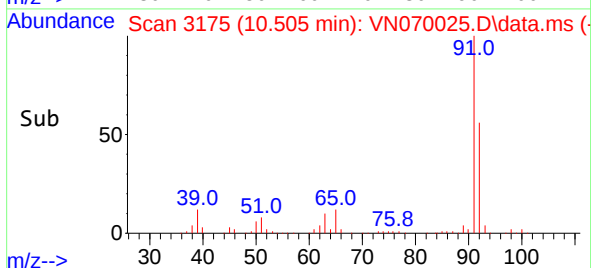
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

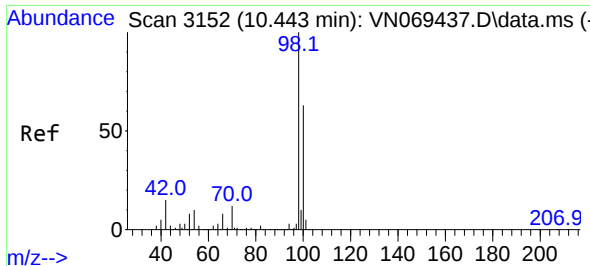


#62
Toluene
Concen: 5.408 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 91 Resp: 261178
Ion Ratio Lower Upper
91 100
92 56.7 44.6 67.0





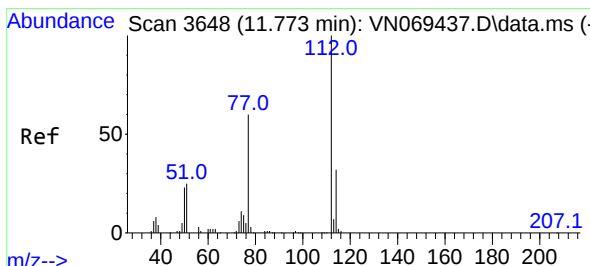
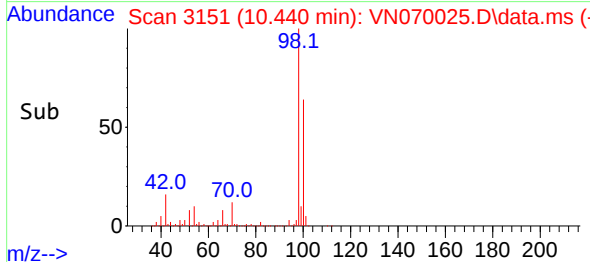
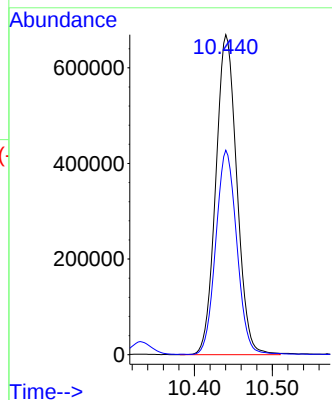
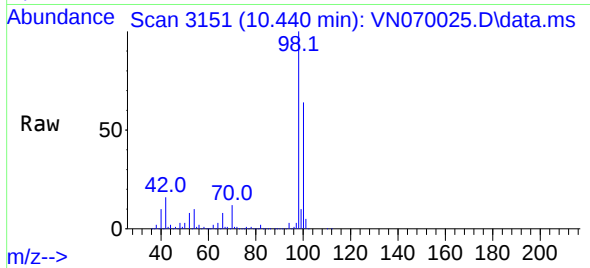
#63
Toluene-d8
Concen: 30.907 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 98 Resp: 125413
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0

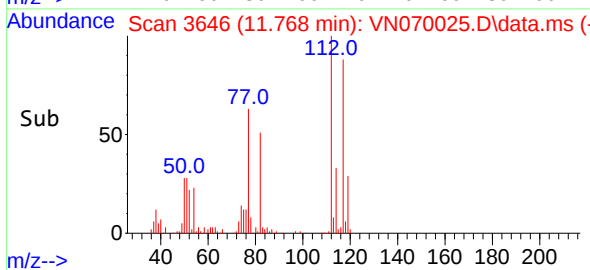
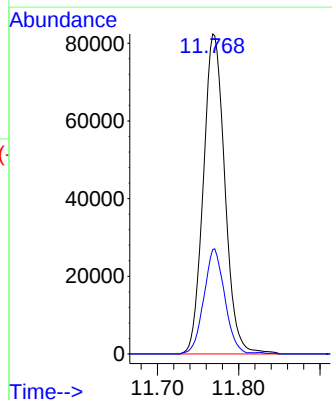
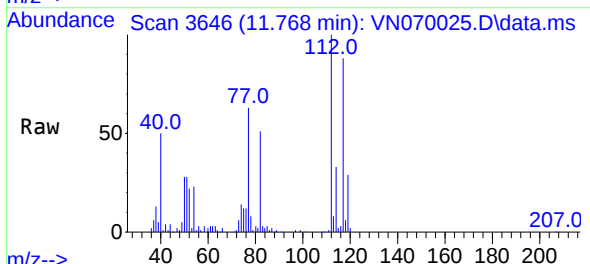
Manual Integrations
APPROVED

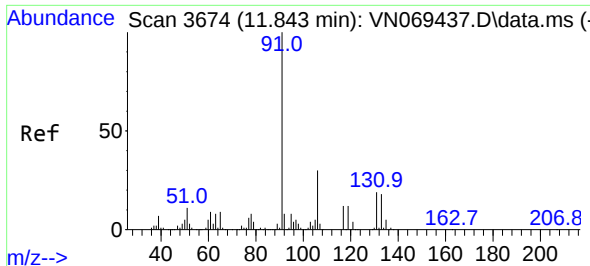
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#64
Chlorobenzene
Concen: 5.220 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion:112 Resp: 151234
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6





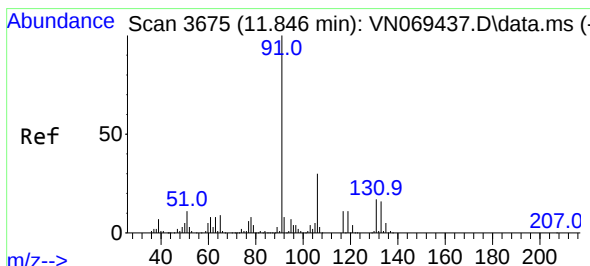
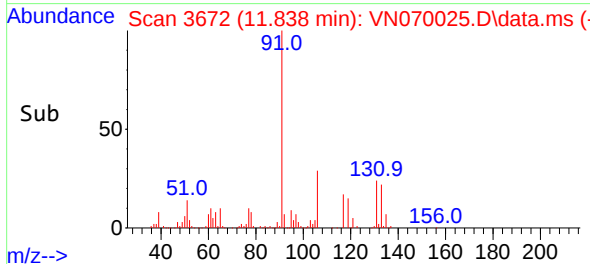
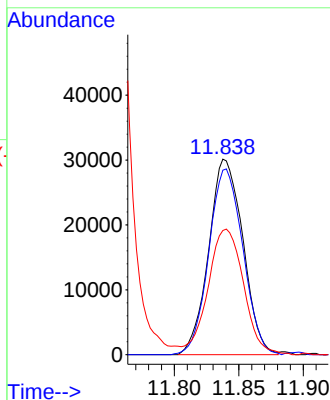
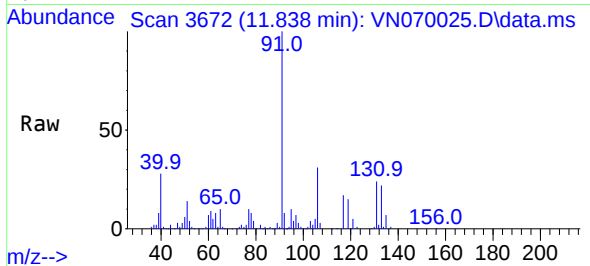
#65
1,1,1,2-Tetrachloroethane
Concen: 5.463 ug/l
RT: 11.838 min Scan# 3672
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 5572
Ion Ratio Lower Upper
131 100
133 94.6 0.0 191.2
119 66.5 0.0 128.8

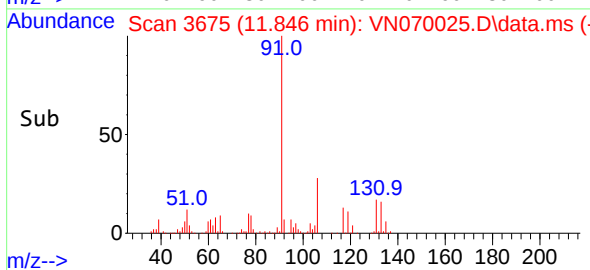
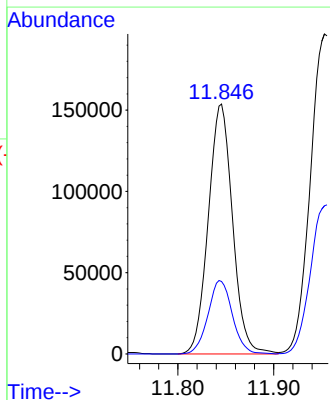
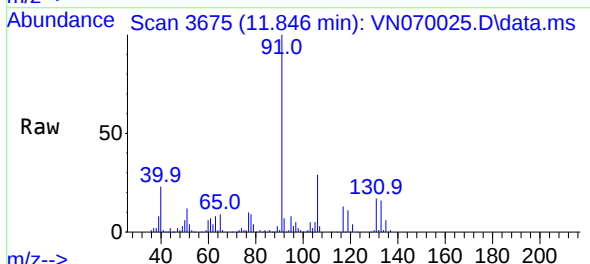
Manual Integrations
APPROVED

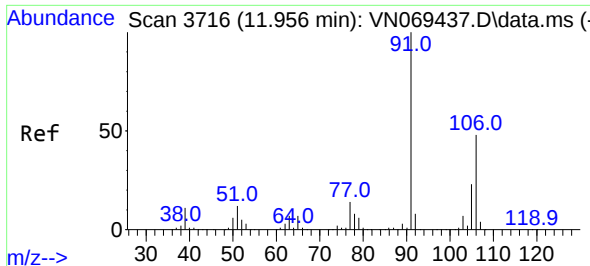
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#66
Ethyl Benzene
Concen: 5.051 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion: 91 Resp: 269992
Ion Ratio Lower Upper
91 100
106 29.0 24.0 36.0





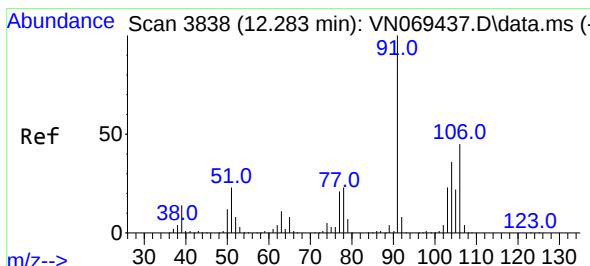
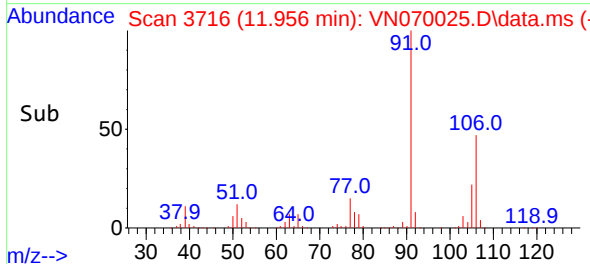
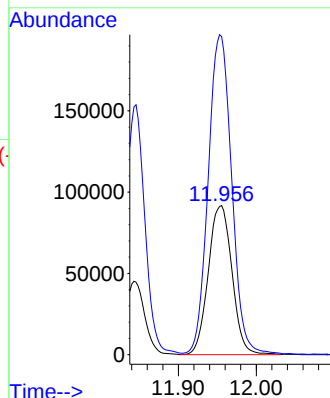
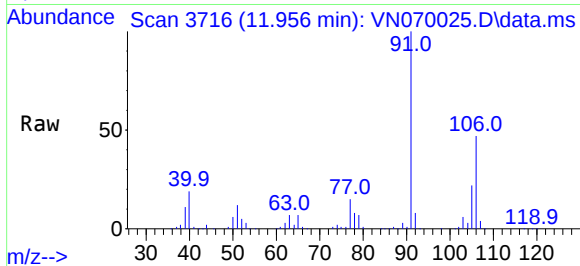
#67
m/p-Xylenes
Concen: 9.785 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 19427
Ion Ratio Lower Upper
106 100
91 212.6 162.9 244.3

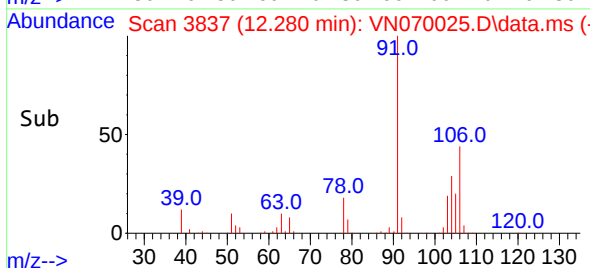
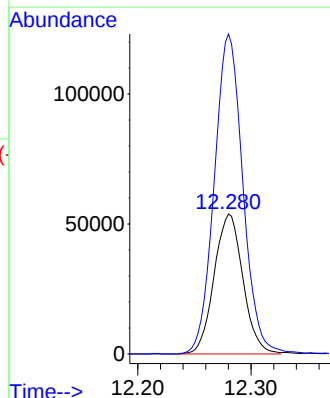
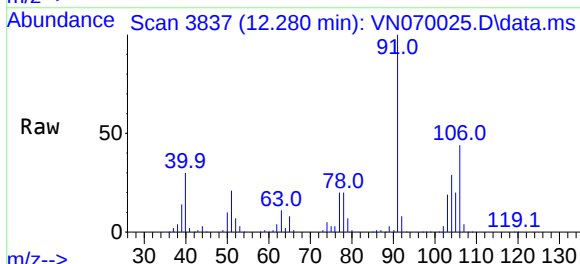
Manual Integrations
APPROVED

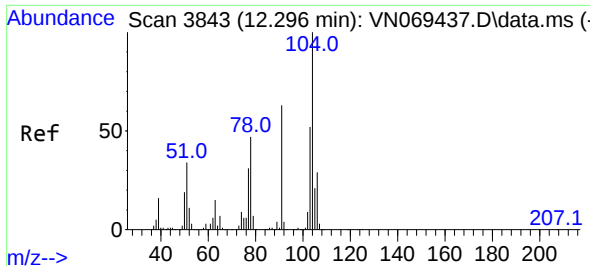
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#68
o-Xylene
Concen: 4.779 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion:106 Resp: 94993
Ion Ratio Lower Upper
106 100
91 227.5 107.7 323.1





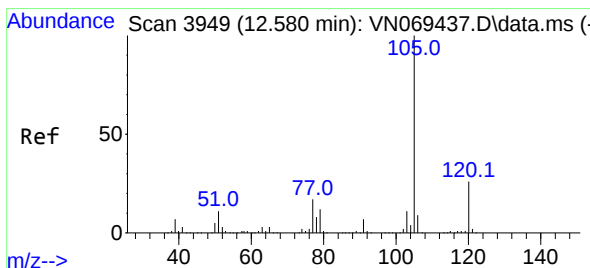
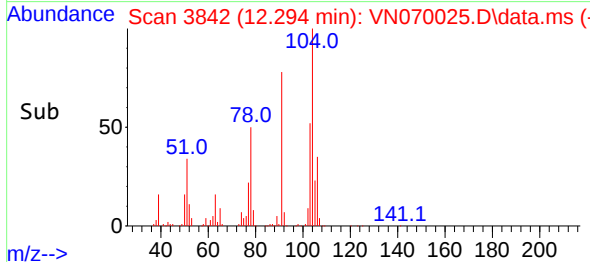
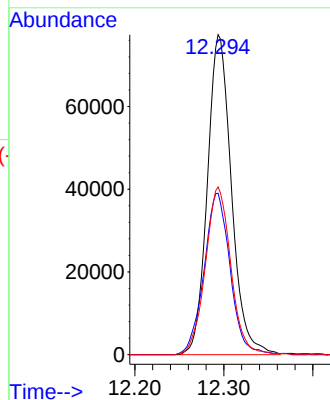
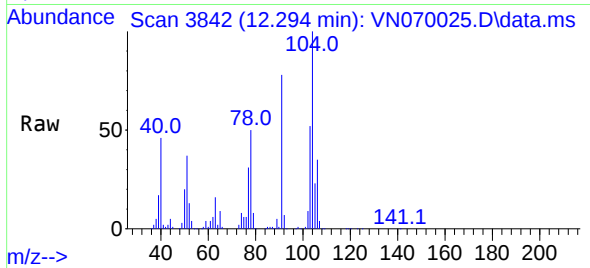
#69
Styrene
Concen: 4.514 ug/l
RT: 12.294 min Scan# 3843
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 14547
Ion Ratio Lower Upper
104 100
78 53.9 40.7 61.1
103 55.4 45.8 68.8

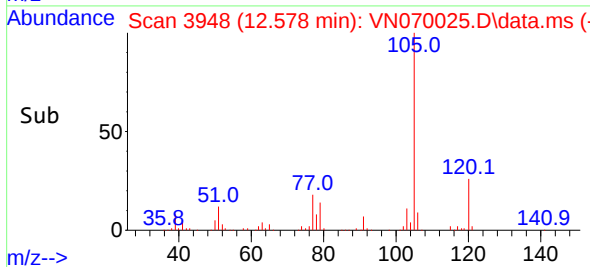
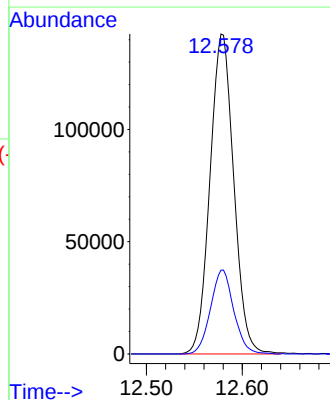
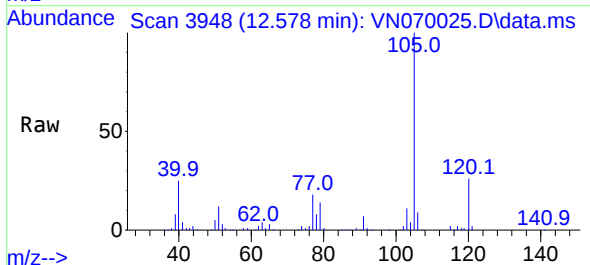
Manual Integrations
APPROVED

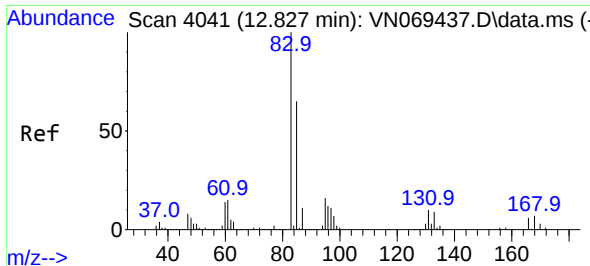
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#70
Isopropylbenzene
Concen: 4.717 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

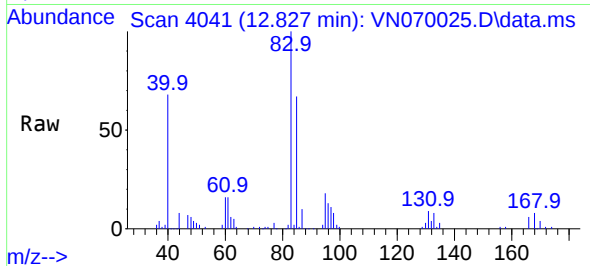
Tgt Ion:105 Resp: 245253
Ion Ratio Lower Upper
105 100
120 25.6 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 5.096 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

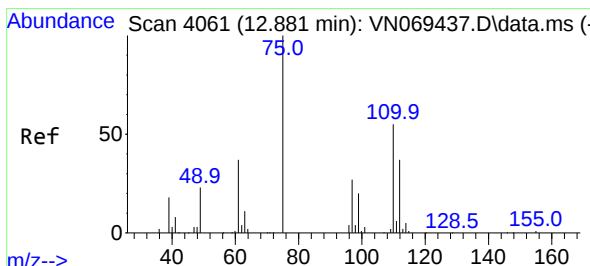
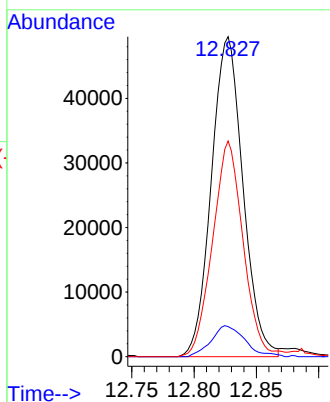
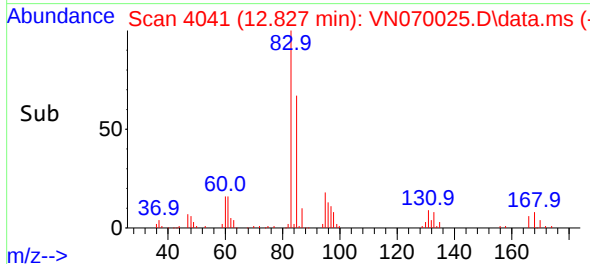
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



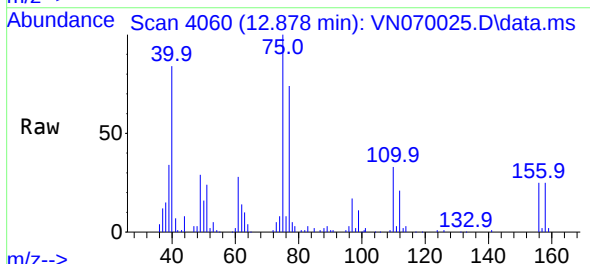
Tgt Ion: 83 Resp: 8742
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 64.7 33.1 99.2

Manual Integrations
APPROVED

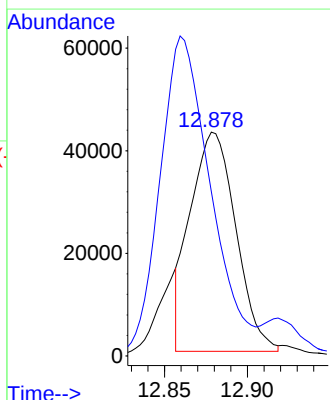
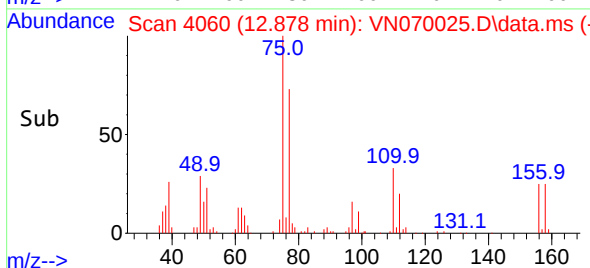
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

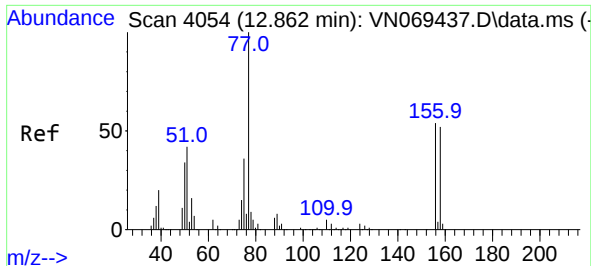


#72
1,2,3-Trichloropropane
Concen: 4.894 ug/l m
RT: 12.878 min Scan# 4060
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



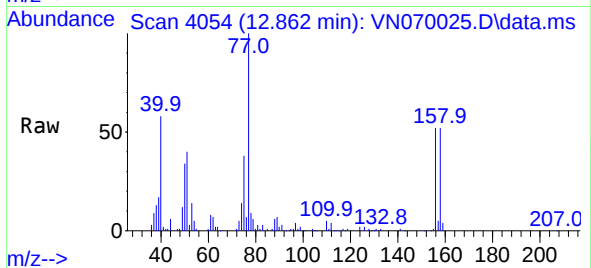
Tgt Ion: 75 Resp: 81793
Ion Ratio Lower Upper
75 100
77 162.0 0.0 378.0





#73
Bromobenzene
Concen: 4.896 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

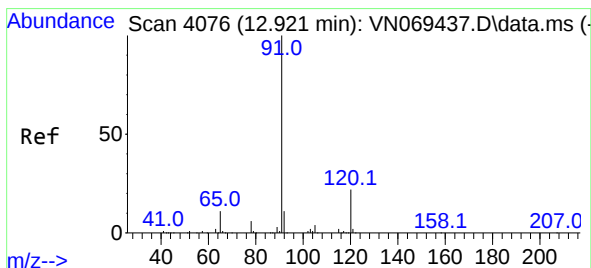
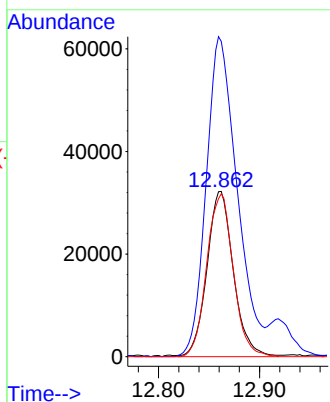
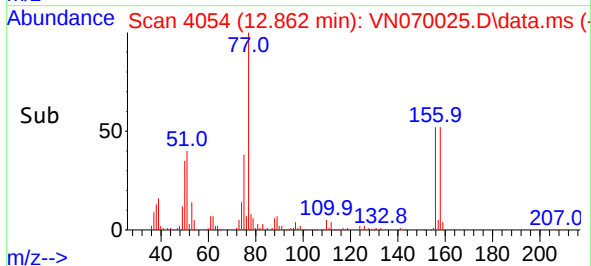
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



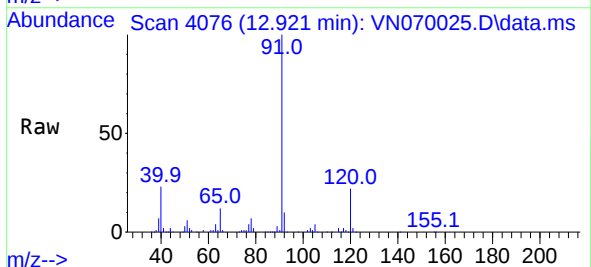
Tgt Ion:156 Resp: 58672
Ion Ratio Lower Upper
156 100
77 225.8 0.0 416.0
158 98.8 0.0 195.4

Manual Integrations
APPROVED

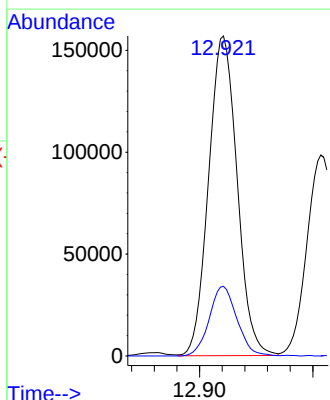
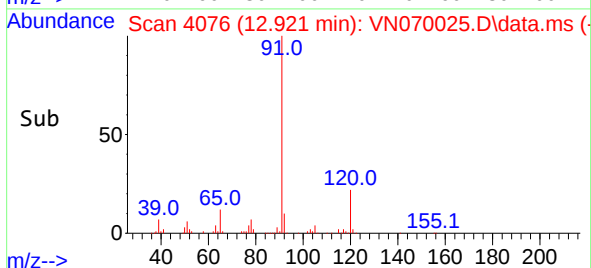
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

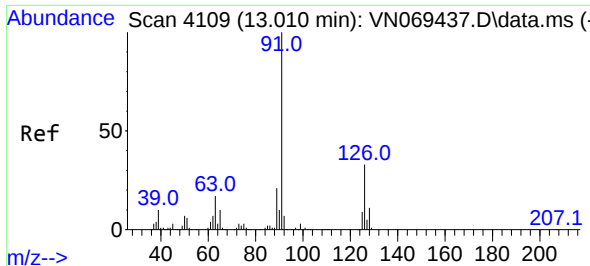


#74
n-propylbenzene
Concen: 4.583 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion: 91 Resp: 273613
Ion Ratio Lower Upper
91 100
120 21.2 0.0 45.0





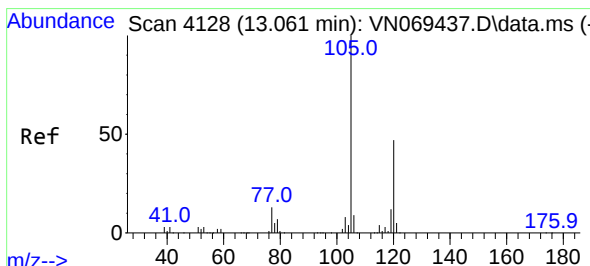
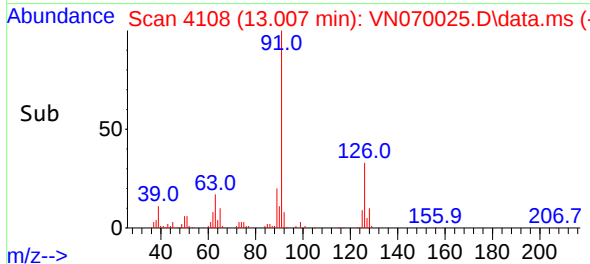
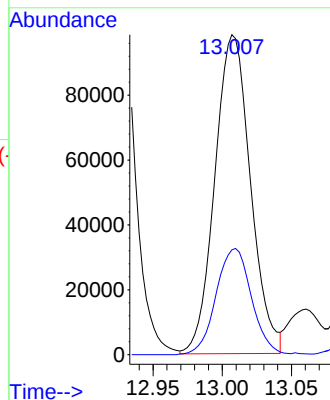
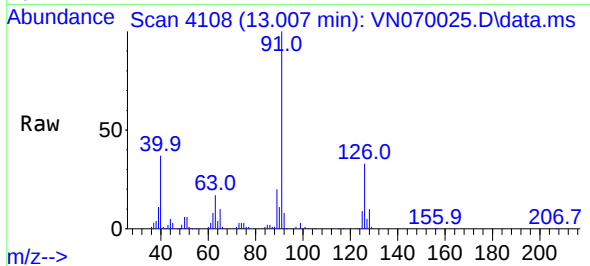
#75
2-Chlorotoluene
Concen: 4.848 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 176200
Ion Ratio Lower Upper
91 100
126 33.0 0.0 69.8

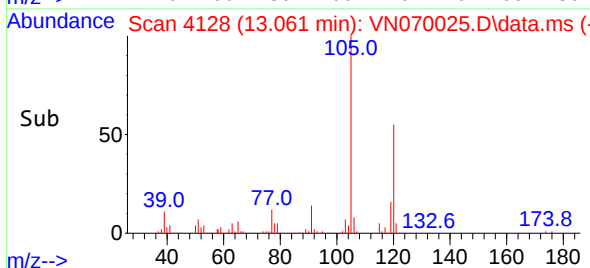
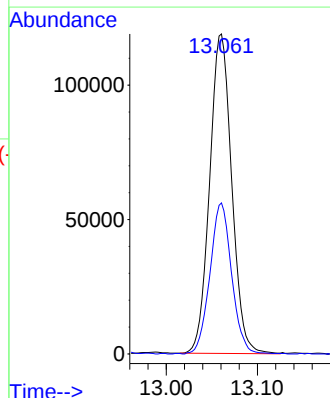
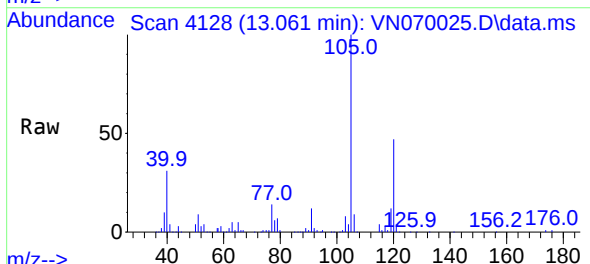
Manual Integrations
APPROVED

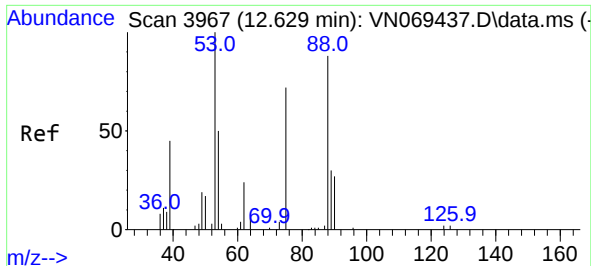
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#76
1,3,5-Trimethylbenzene
Concen: 4.679 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

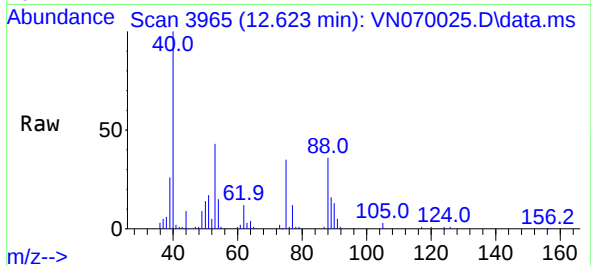
Tgt Ion:105 Resp: 199640
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 4.308 ug/l
RT: 12.623 min Scan# 3967
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

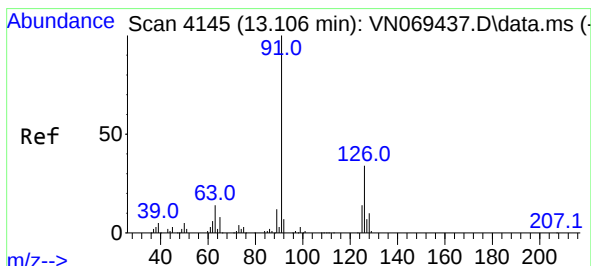
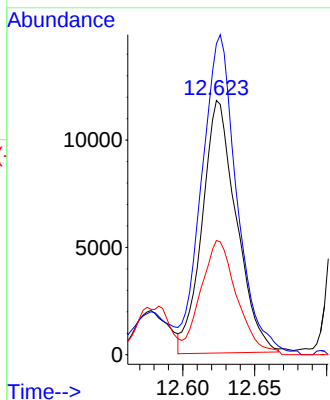
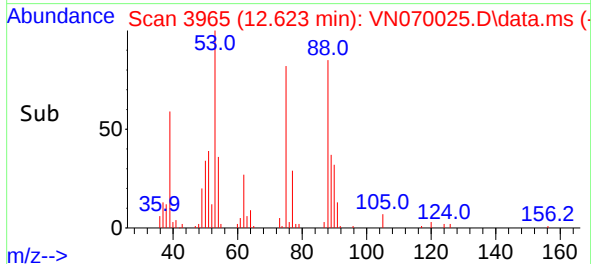
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



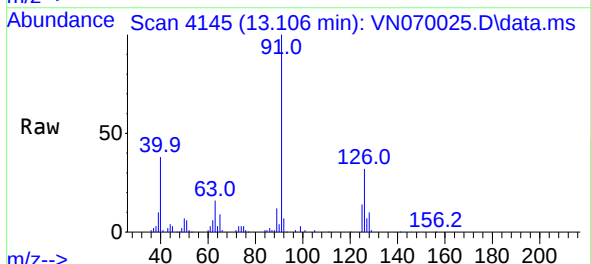
Tgt Ion: 75 Resp: 19434
Ion Ratio Lower Upper
75 100
53 121.6 51.8 155.5
89 44.2 22.9 68.7

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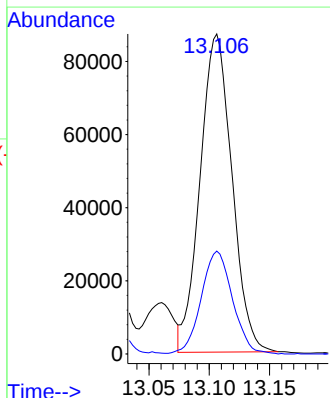
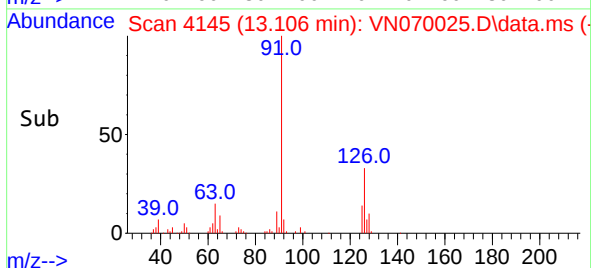
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

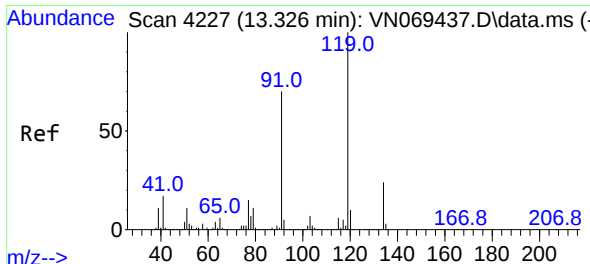


#78
4-Chlorotoluene
Concen: 4.587 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



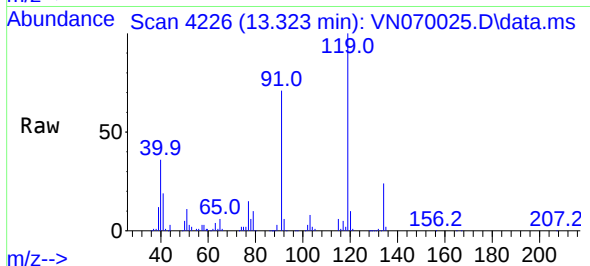
Tgt Ion: 91 Resp: 159662
Ion Ratio Lower Upper
91 100
126 31.7 0.0 70.6





#79
tert-butylbenzene
Concen: 4.717 ug/l
RT: 13.323 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

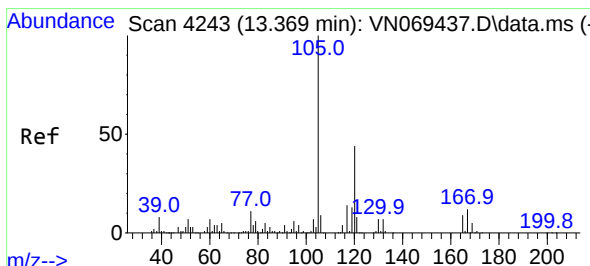
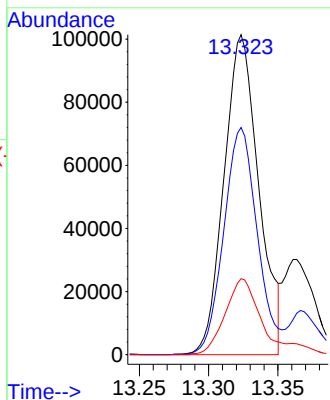
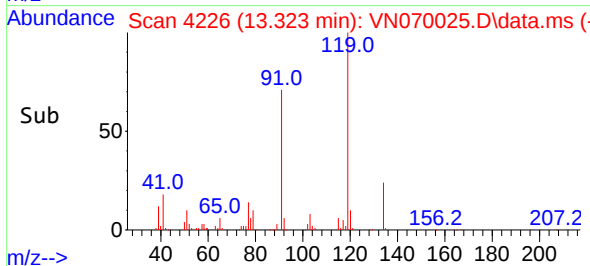
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



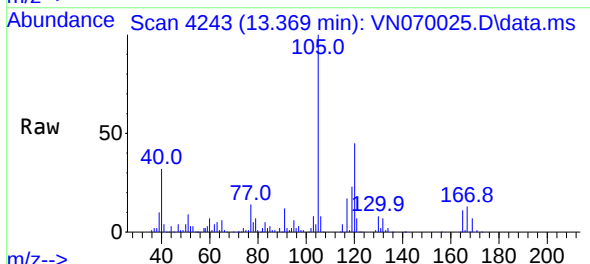
Tgt Ion:119 Resp: 177052
Ion Ratio Lower Upper
119 100
91 68.6 0.0 137.0
134 23.5 0.0 47.6

Manual Integrations
APPROVED

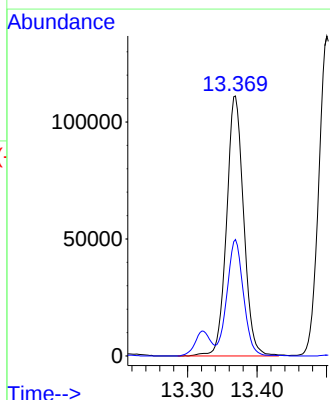
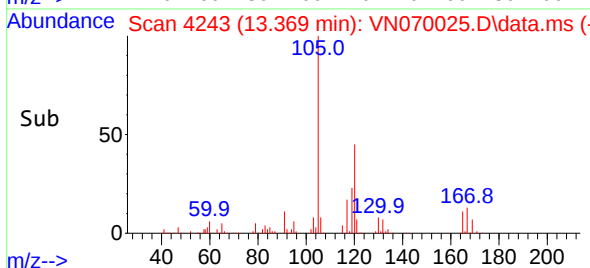
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

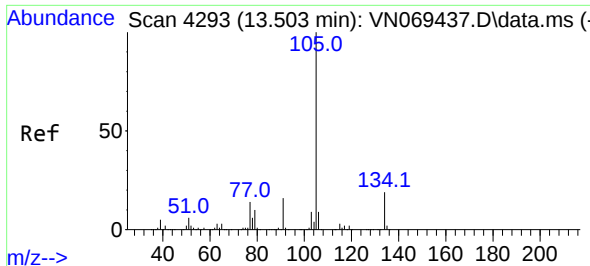


#80
1,2,4-Trimethylbenzene
Concen: 4.553 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion:105 Resp: 189501
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2





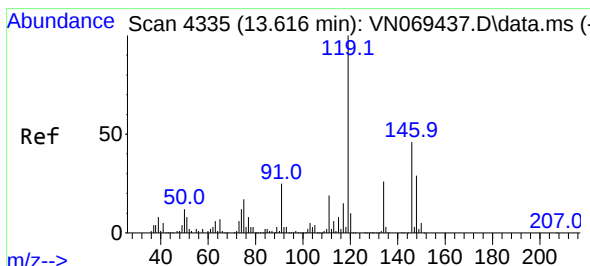
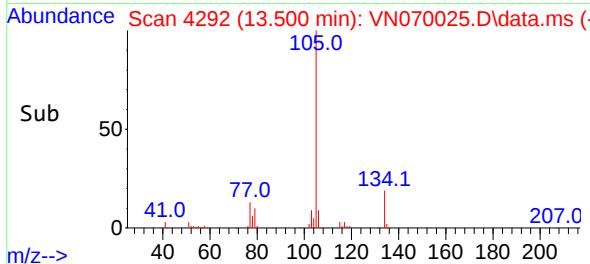
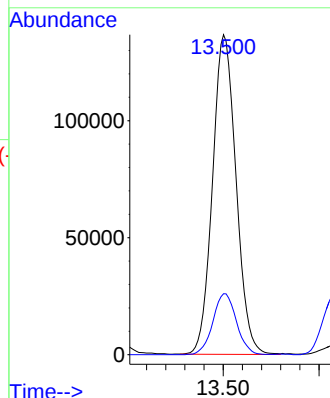
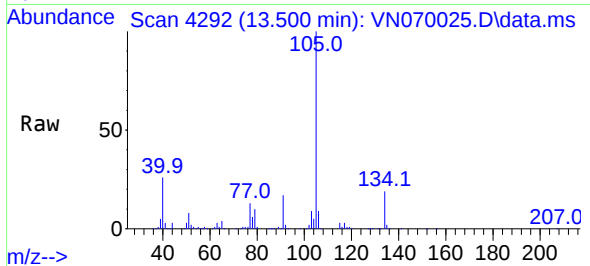
#81
 sec-Butylbenzene
 Concen: 4.429 ug/l
 RT: 13.500 min Scan# 4293
 Delta R.T. -0.000 min
 Lab File: VN070025.D
 Acq: 13 Dec 2021 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 23259
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 39.4

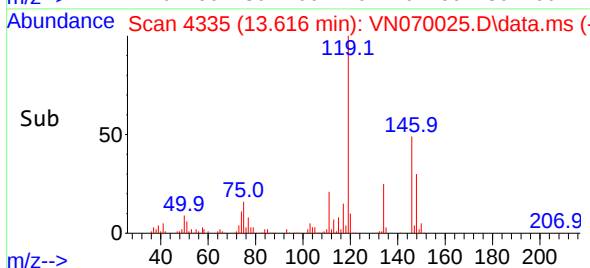
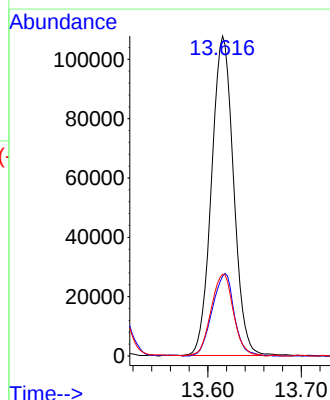
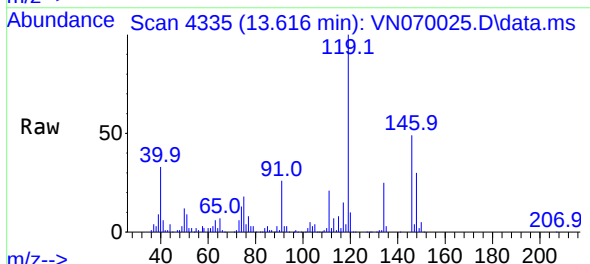
Manual Integrations
 APPROVED

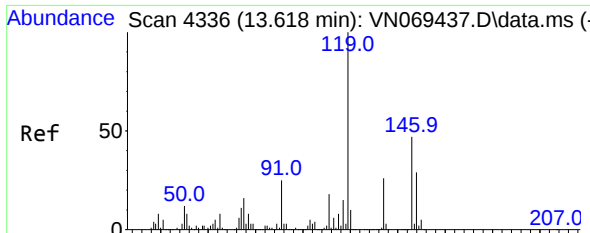
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021



#82
 p-Isopropyltoluene
 Concen: 4.194 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.000 min
 Lab File: VN070025.D
 Acq: 13 Dec 2021 10:16

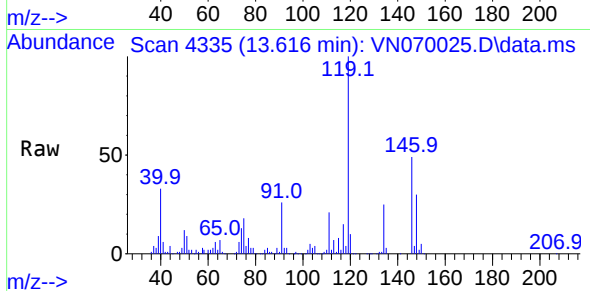
Tgt Ion:119 Resp: 175766
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.8
 91 26.2 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 4.551 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

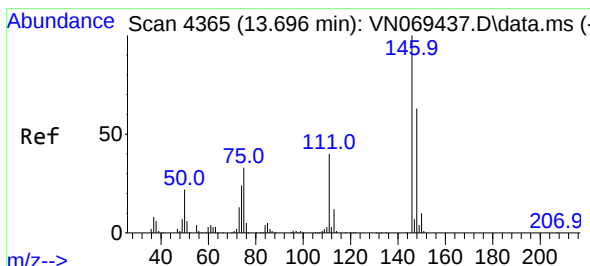
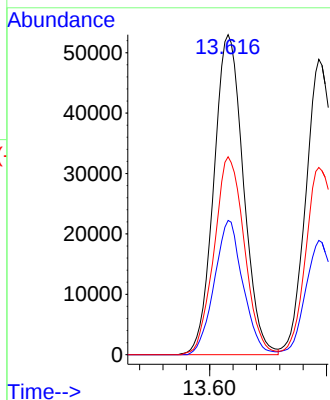
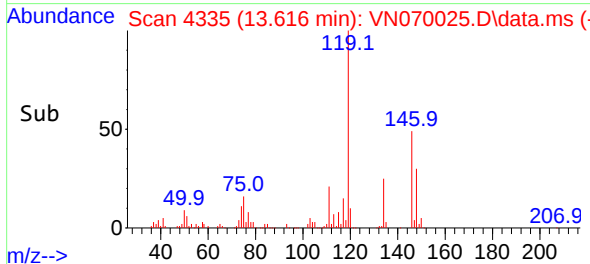
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



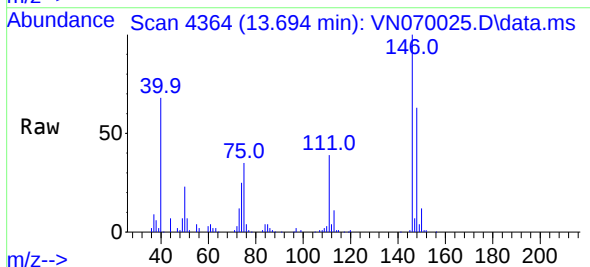
Tgt Ion:146 Resp: 93254
Ion Ratio Lower Upper
146 100
111 40.7 20.8 62.2
148 63.3 31.4 94.3

Manual Integrations
APPROVED

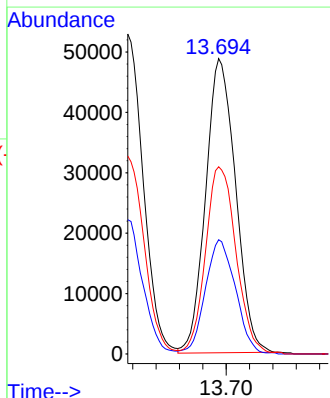
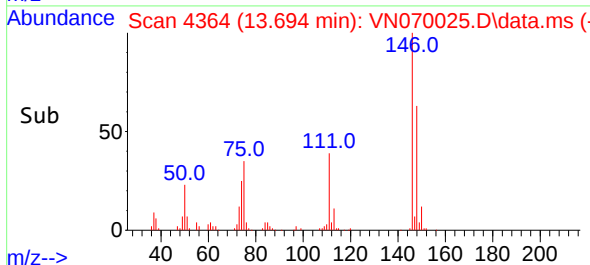
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

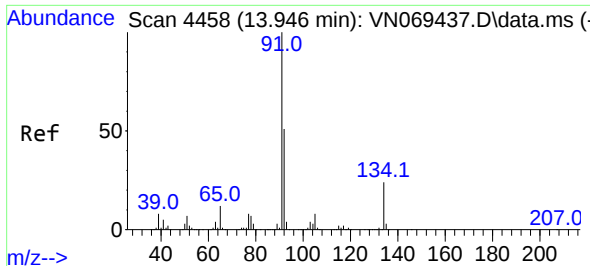


#84
1,4-Dichlorobenzene
Concen: 4.363 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion:146 Resp: 86719
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 65.0 31.1 93.5





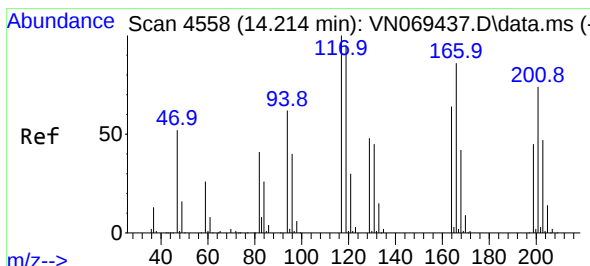
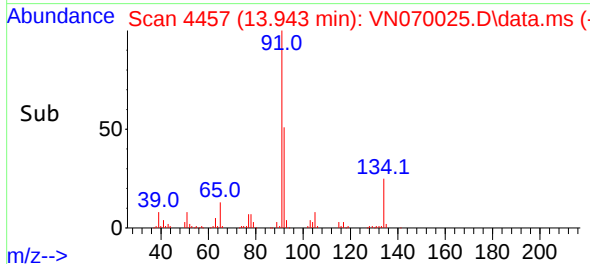
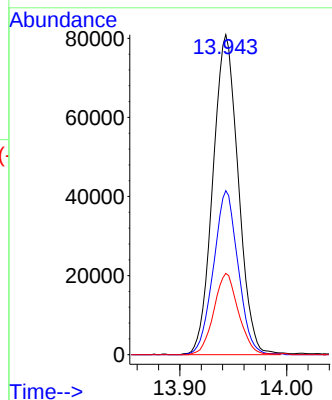
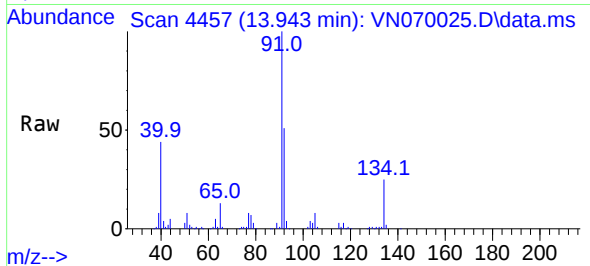
#85
n-Butylbenzene
Concen: 3.830 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 133938
Ion Ratio Lower Upper
91 100
92 49.7 0.0 100.6
134 24.6 0.0 50.2

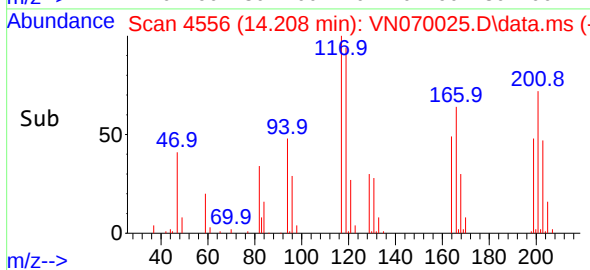
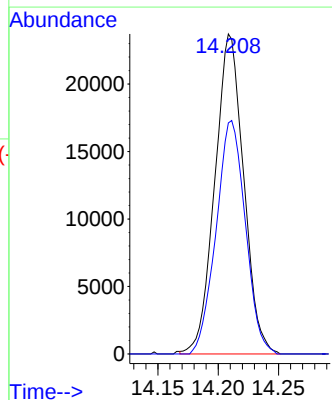
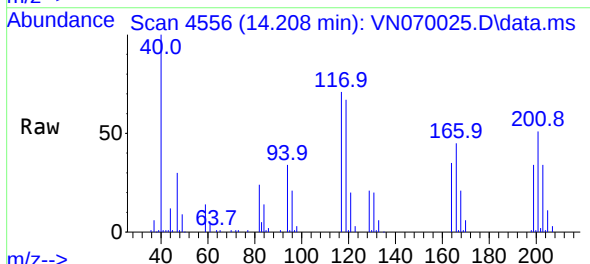
Manual Integrations
APPROVED

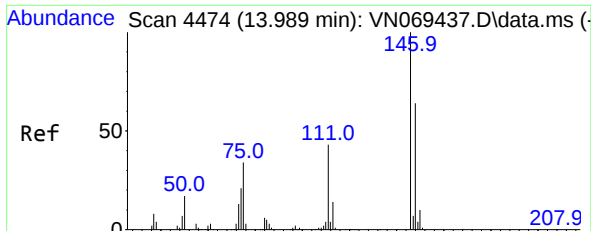
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#86
Hexachloroethane
Concen: 5.679 ug/l
RT: 14.208 min Scan# 4556
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

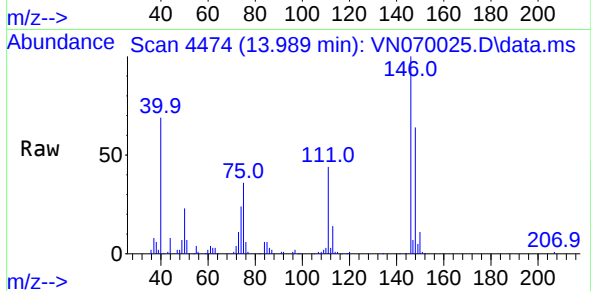
Tgt Ion:117 Resp: 39388
Ion Ratio Lower Upper
117 100
201 74.1 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 4.607 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

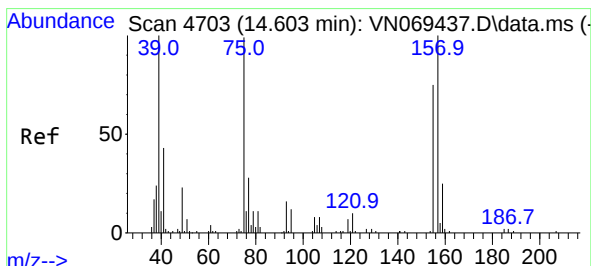
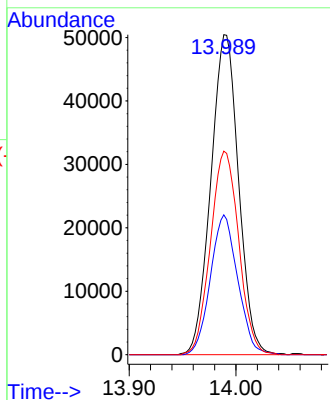
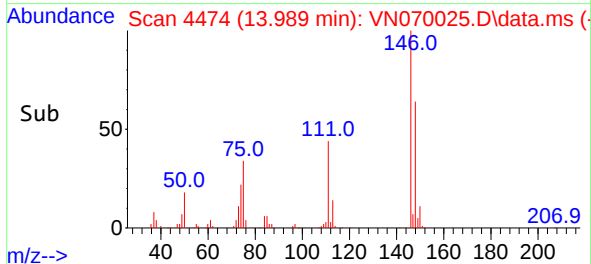
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



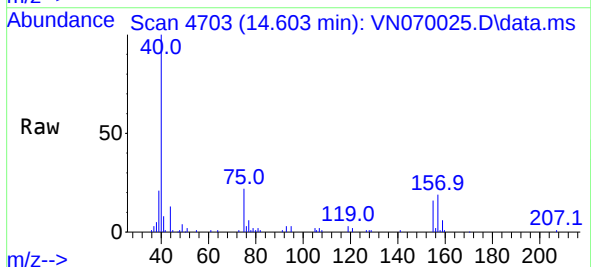
Tgt Ion:146 Resp: 9110
Ion Ratio Lower Upper
146 100
111 43.0 21.4 64.2
148 64.8 32.5 97.4

Manual Integrations
APPROVED

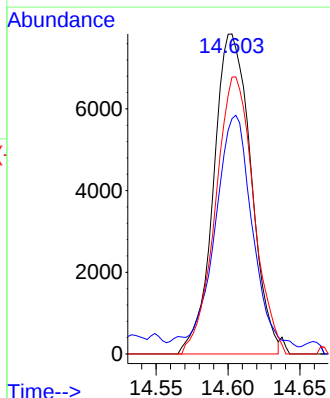
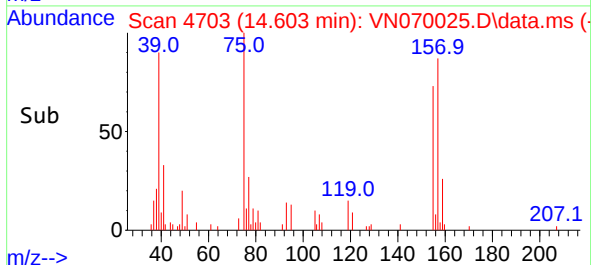
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

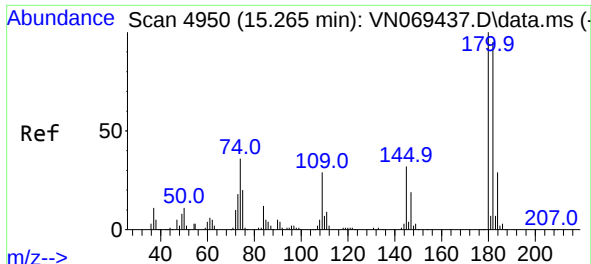


#88
1,2-Dibromo-3-Chloropropane
Concen: 4.708 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.000 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



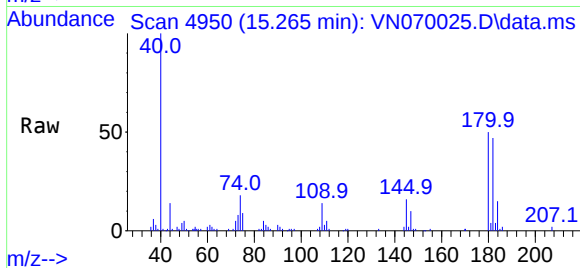
Tgt Ion: 75 Resp: 14139
Ion Ratio Lower Upper
75 100
155 67.0 63.8 95.8
157 88.5 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 3.243 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

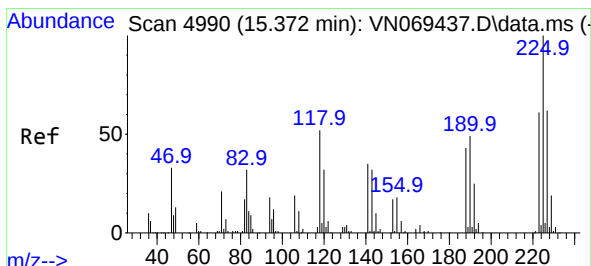
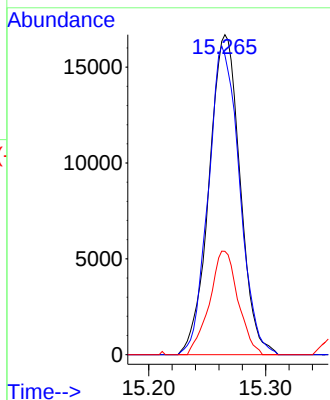
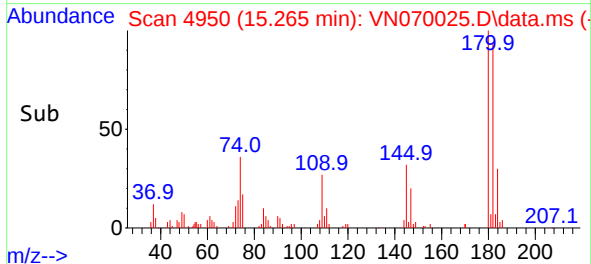
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



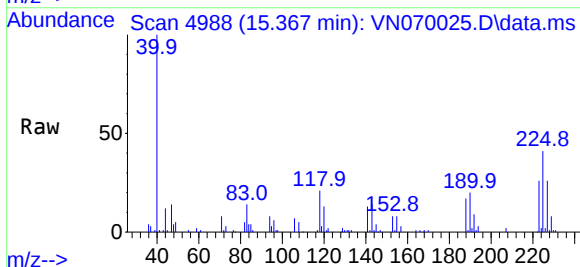
Tgt Ion:180 Resp: 3075
Ion Ratio Lower Upper
180 100
182 96.7 77.7 116.5
145 29.8 26.6 39.8

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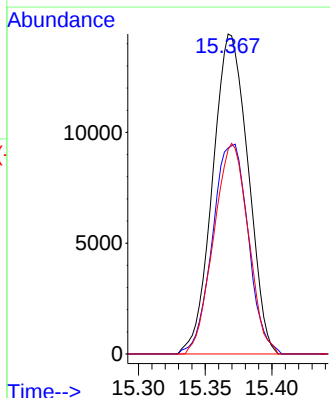
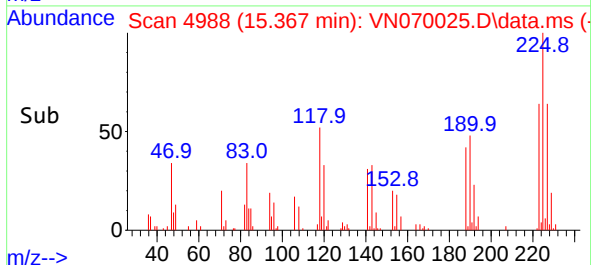
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

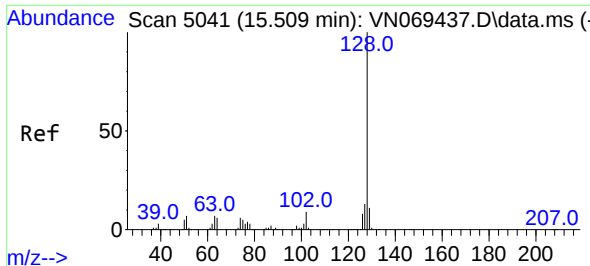


#90
Hexachlorobutadiene
Concen: 5.186 ug/l
RT: 15.367 min Scan# 4988
Delta R.T. -0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16



Tgt Ion:225 Resp: 26593
Ion Ratio Lower Upper
225 100
223 66.3 0.0 126.8
227 64.3 0.0 123.0





#91
Naphthalene
Concen: 2.295 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Instrument :

MSVOA_N

ClientSampleId :

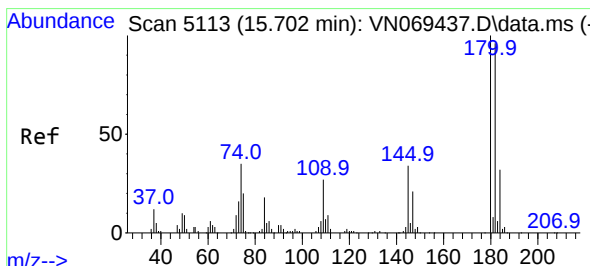
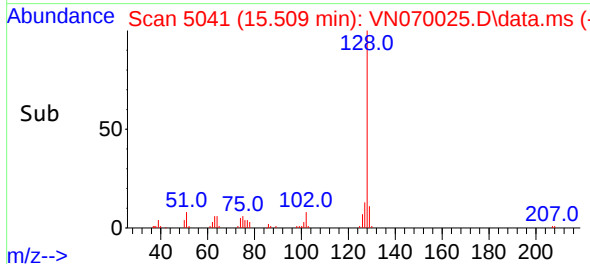
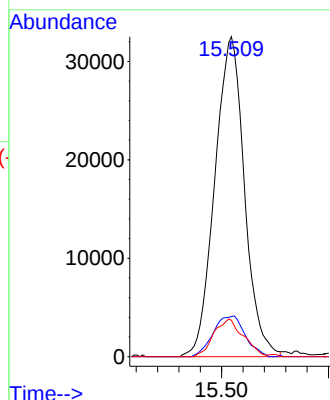
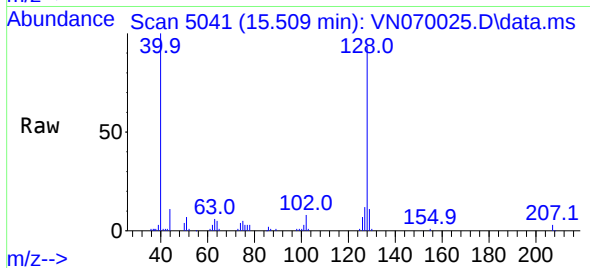
VSTDIC005

Tgt Ion:128 Resp: 6268
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.7 9.0 13.6

Manual Integrations

APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 3.028 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.003 min
Lab File: VN070025.D
Acq: 13 Dec 2021 10:16

Tgt Ion:180 Resp: 28226
Ion Ratio Lower Upper
180 100
182 96.6 0.0 190.0
145 35.6 0.0 67.8

