

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069998.D
 Acq On : 11 Dec 2021 9:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 12 16:05:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	900214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1507663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1427802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	634427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	764693	55.017	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.040%	
35) Dibromofluoromethane	8.021	113	536215	56.780	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 113.560%	
50) Toluene-d8	10.440	98	2039975	53.798	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.600%	
62) 4-Bromofluorobenzene	12.731	95	756892	55.097	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 110.200%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	501189	47.734	ug/l	99
3) Chloromethane	2.301	50	610062	46.378	ug/l	98
4) Vinyl Chloride	2.445	62	578054	47.792	ug/l	98
5) Bromomethane	2.834	94	294269	44.782	ug/l	97
6) Chloroethane	3.009	64	347214	46.846	ug/l	99
7) Trichlorofluoromethane	3.371	101	761976	48.000	ug/l	98
8) Diethyl Ether	3.821	74	312142	51.054	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	447819	50.325	ug/l	95
10) Methyl Iodide	4.417	142	592148	48.711	ug/l	97
11) Tert butyl alcohol	5.382	59	628517	239.225	ug/l	98
12) 1,1-Dichloroethene	4.175	96	424340	49.486	ug/l	86
13) Acrolein	4.039	56	538568	240.713	ug/l	99
14) Allyl chloride	4.838	41	998750	51.689	ug/l	91
15) Acrylonitrile	5.554	53	1795653	253.636	ug/l	99
16) Acetone	4.285	43	1675388	200.380	ug/l	97
17) Carbon Disulfide	4.524	76	1169739	52.802	ug/l	98
18) Methyl Acetate	4.854	43	1270737	50.351	ug/l	90
19) Methyl tert-butyl Ether	5.618	73	1698536	50.944	ug/l	96
20) Methylene Chloride	5.095	84	538266	48.427	ug/l #	84
21) trans-1,2-Dichloroethene	5.594	96	456774	49.043	ug/l #	84
22) Diisopropyl ether	6.498	45	2012709	53.293	ug/l	93
23) Vinyl Acetate	6.434	43	8248418	268.456	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1020869	52.182	ug/l	98
25) 2-Butanone	7.335	43	2626089	231.164	ug/l	91
26) 2,2-Dichloropropane	7.327	77	608060	39.975	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	558891	49.668	ug/l	87
28) Bromochloromethane	7.657	49	480145	47.196	ug/l #	76
29) Tetrahydrofuran	7.686	42	1724970	250.060	ug/l	87
30) Chloroform	7.817	83	1025651	51.911	ug/l	100
31) Cyclohexane	8.094	56	930800	48.121	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	886727	52.687	ug/l	95
36) 1,1-Dichloropropene	8.222	75	723360	50.400	ug/l	96
37) Ethyl Acetate	7.412	43	1018713	47.688	ug/l	95
38) Carbon Tetrachloride	8.206	117	762633	54.186	ug/l	99
39) Methylcyclohexane	9.459	83	821657	48.129	ug/l	88
40) Benzene	8.461	78	2209199	50.358	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069998.D
 Acq On : 11 Dec 2021 9:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 12 16:05:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	515529	51.409	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	882723	49.845	ug/l	97
43) Isopropyl Acetate	8.563	43	1630425	51.576	ug/l #	93
44) Trichloroethene	9.217	130	511352	48.836	ug/l	91
45) 1,2-Dichloropropane	9.488	63	610837	51.851	ug/l	99
46) Dibromomethane	9.577	93	396213	51.282	ug/l	93
47) Bromodichloromethane	9.762	83	841794	57.545	ug/l	100
48) Methyl methacrylate	9.561	41	760578	51.555	ug/l	87
49) 1,4-Dioxane	9.569	88	248258	937.861	ug/l #	81
51) 4-Methyl-2-Pentanone	10.330	43	5357535	261.246	ug/l	94
52) Toluene	10.505	92	1343402	50.158	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	826694	47.148	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	889639	48.246	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	549046	50.807	ug/l	97
56) Ethyl methacrylate	10.762	69	943839	46.458	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	973965	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1310339	238.855	ug/l	91
59) 2-Hexanone	11.084	43	3867668	249.312	ug/l	92
60) Dibromochloromethane	11.240	129	601058	51.820	ug/l	99
61) 1,2-Dibromoethane	11.347	107	563961	50.385	ug/l	99
64) Tetrachloroethene	10.977	164	440151	45.463	ug/l	93
65) Chlorobenzene	11.771	112	1408118	48.613	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	548863	53.836	ug/l	99
67) Ethyl Benzene	11.846	91	2659096	50.538	ug/l	96
68) m/p-Xylenes	11.953	106	1945926	101.573	ug/l	92
69) o-Xylene	12.280	106	970791	50.307	ug/l	91
70) Styrene	12.294	104	1615749	52.803	ug/l	95
71) Bromoform	12.457	173	471771	53.879	ug/l #	100
73) Isopropylbenzene	12.578	105	2547962	45.140	ug/l	98
74) N-amyl acetate	12.388	43	1215224	48.681	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	900867	46.153	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	822319m	45.198	ug/l	
77) Bromobenzene	12.860	156	592442	44.684	ug/l	77
78) n-propylbenzene	12.921	91	2951816	46.994	ug/l	95
79) 2-Chlorotoluene	13.007	91	1806311	45.511	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	2087904	45.956	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	246419	44.789	ug/l	95
82) 4-Chlorotoluene	13.104	91	1740051	46.619	ug/l	92
83) tert-Butylbenzene	13.324	119	1823392	45.325	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	2062843	47.676	ug/l	97
85) sec-Butylbenzene	13.501	105	2547075	46.678	ug/l	98
86) p-Isopropyltoluene	13.616	119	2028694	47.563	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1013431	46.527	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	976240	45.607	ug/l	97
89) n-Butylbenzene	13.943	91	1642180	47.462	ug/l	97
90) Hexachloroethane	14.211	117	416472	55.614	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	984641	46.395	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	174821	49.565	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	439475	42.669	ug/l	98
94) Hexachlorobutadiene	15.370	225	254983	45.334	ug/l	100
95) Naphthalene	15.507	128	1193726	39.418	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	434367	43.168	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
Data File : VN069998.D
Acq On : 11 Dec 2021 9:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

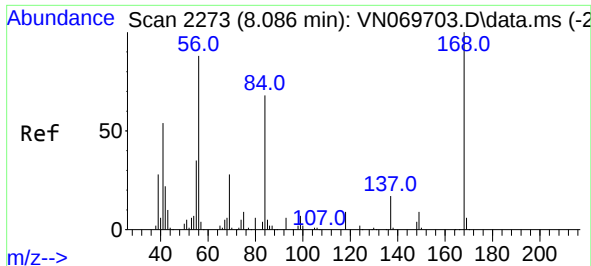
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

Quant Time: Dec 12 16:05:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

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

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



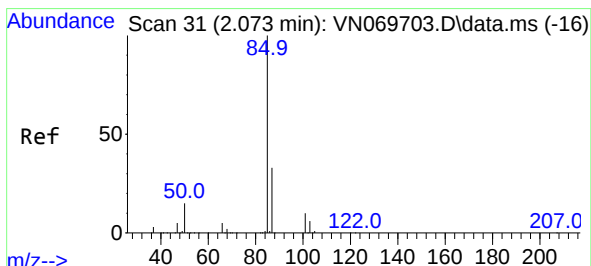
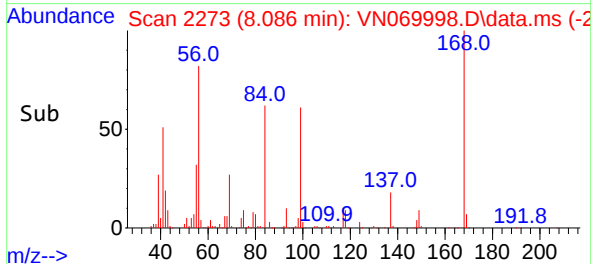
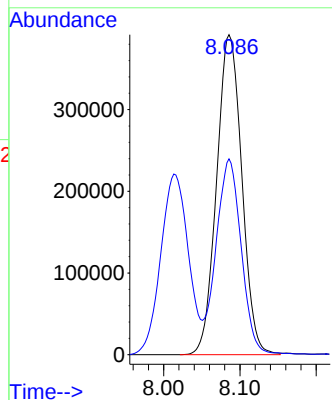
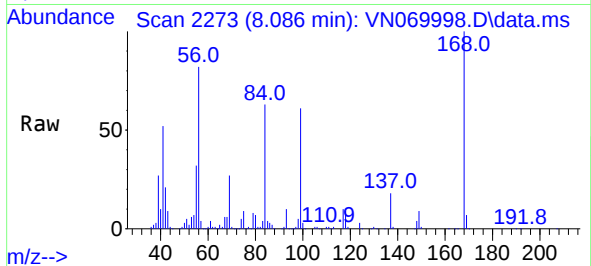
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 900214
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9

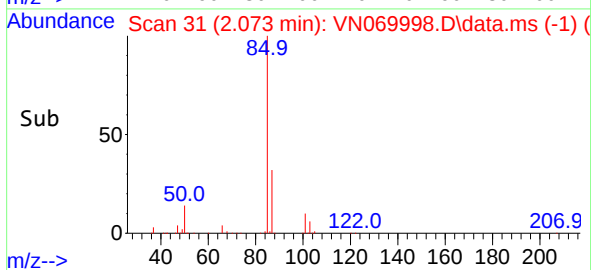
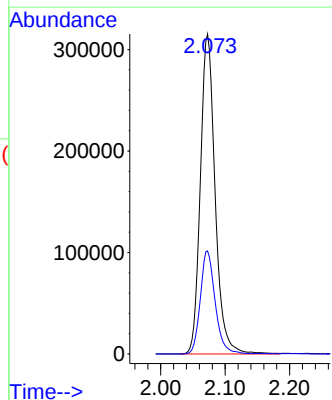
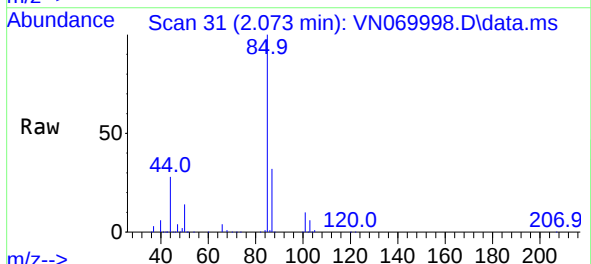
Manual Integrations
APPROVED

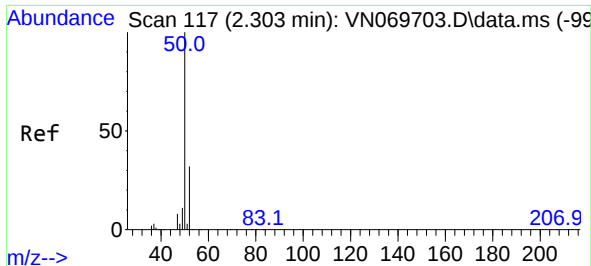
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#2
Dichlorodifluoromethane
Concen: 47.734 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

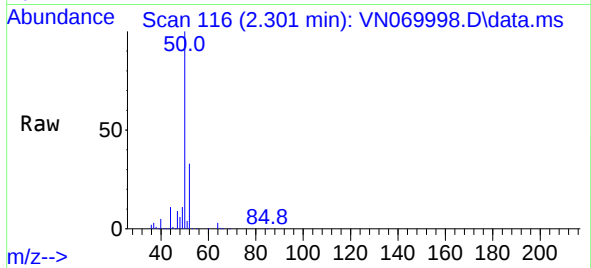
Tgt Ion: 85 Resp: 501189
Ion Ratio Lower Upper
85 100
87 32.2 16.3 48.9





#3
Chloromethane
Concen: 46.378 ug/l
RT: 2.301 min Scan# 117
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

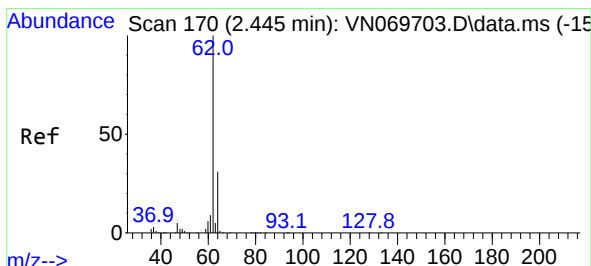
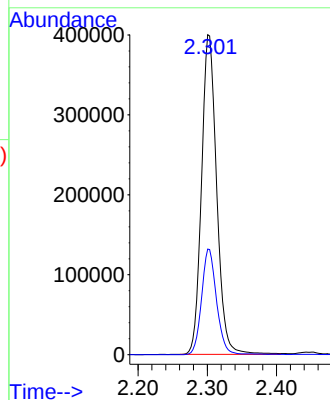
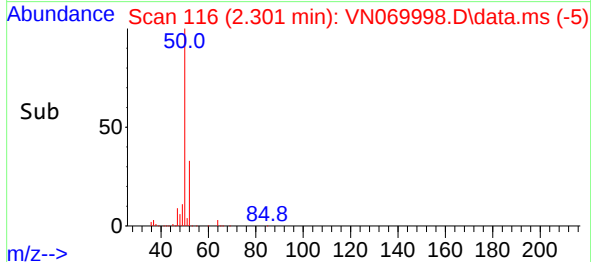
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 50 Resp: 610062
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.0

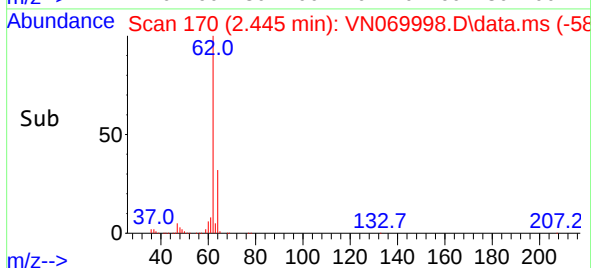
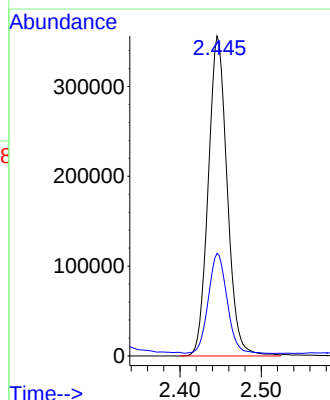
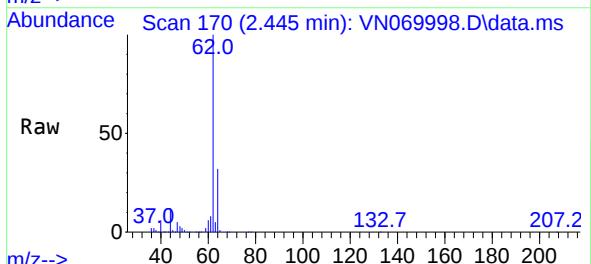
Manual Integrations
APPROVED

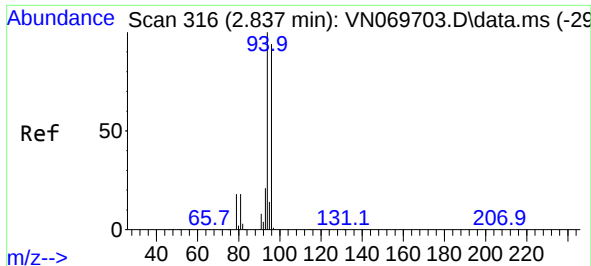
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#4
Vinyl Chloride
Concen: 47.792 ug/l
RT: 2.445 min Scan# 170
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

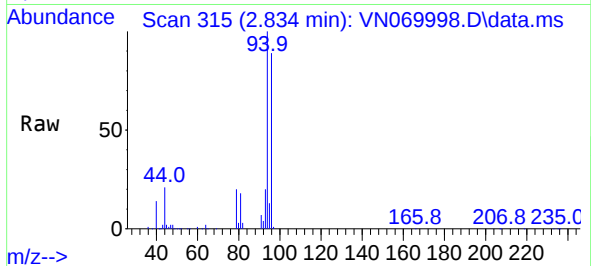
Tgt Ion: 62 Resp: 578054
Ion Ratio Lower Upper
62 100
64 31.2 25.8 38.6





#5
Bromomethane
Concen: 44.782 ug/l
RT: 2.834 min Scan# 316
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

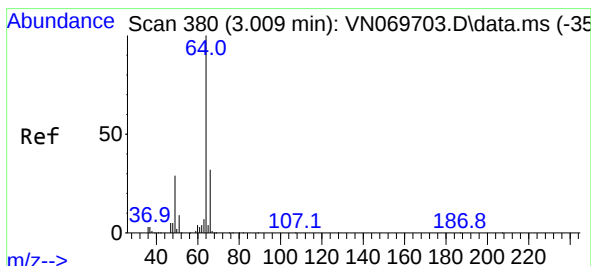
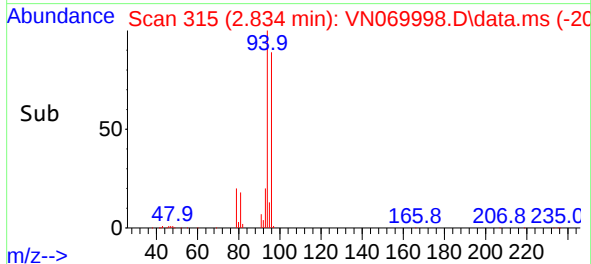
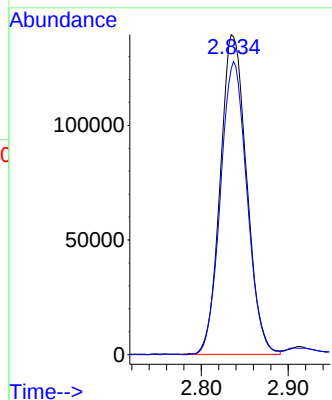
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 94 Resp: 294269
Ion Ratio Lower Upper
94 100
96 89.4 73.8 110.8

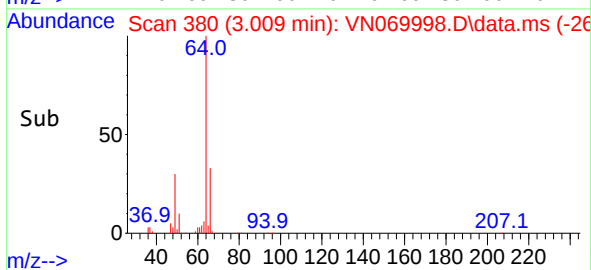
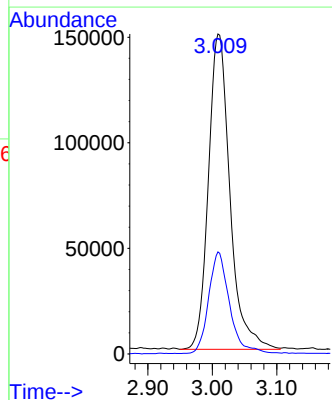
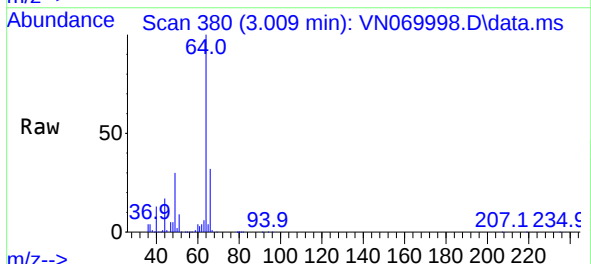
Manual Integrations
APPROVED

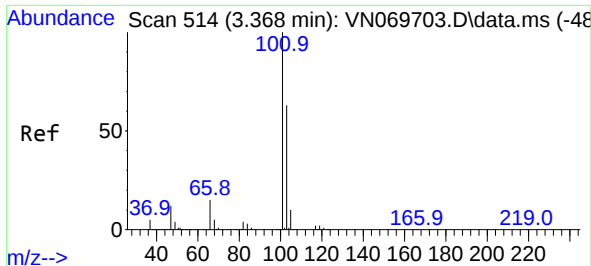
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#6
Chloroethane
Concen: 46.846 ug/l
RT: 3.009 min Scan# 380
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion: 64 Resp: 347214
Ion Ratio Lower Upper
64 100
66 32.2 26.3 39.5





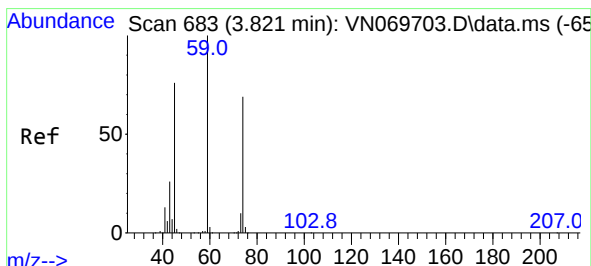
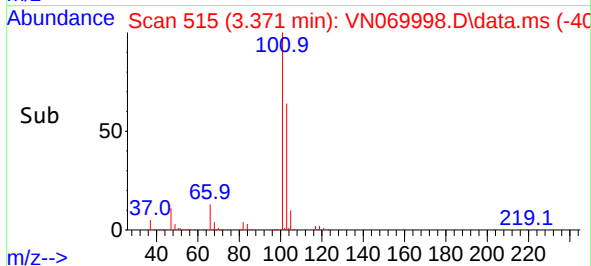
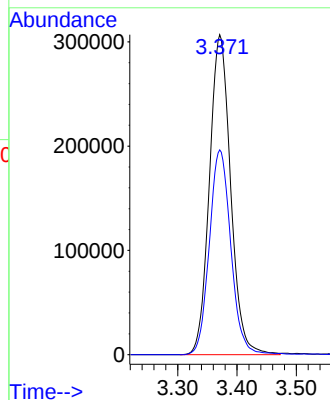
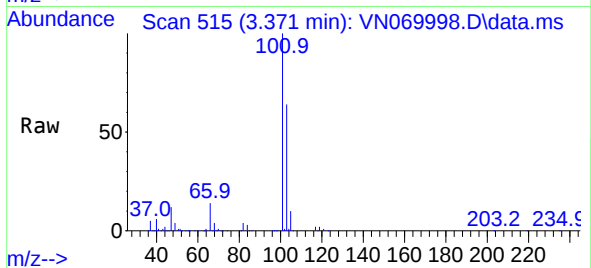
#7
Trichlorofluoromethane
Concen: 48.000 ug/l
RT: 3.371 min Scan# 514
Delta R.T. 0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 761970
Ion Ratio Lower Upper
101 100
103 64.0 50.1 75.1

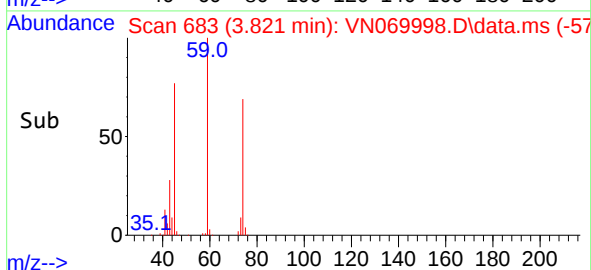
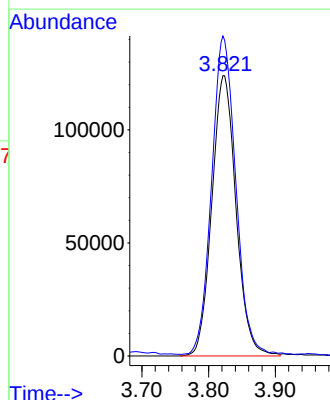
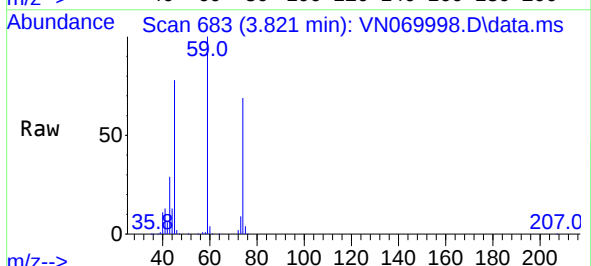
Manual Integrations
APPROVED

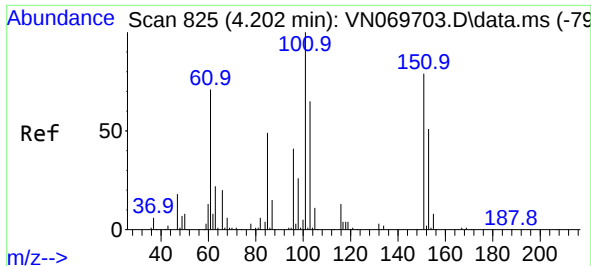
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#8
Diethyl Ether
Concen: 51.054 ug/l
RT: 3.821 min Scan# 683
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion: 74 Resp: 312142
Ion Ratio Lower Upper
74 100
45 112.6 47.0 141.2





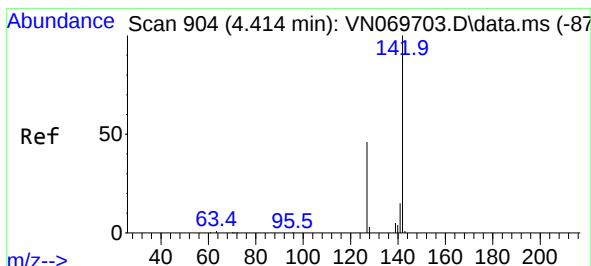
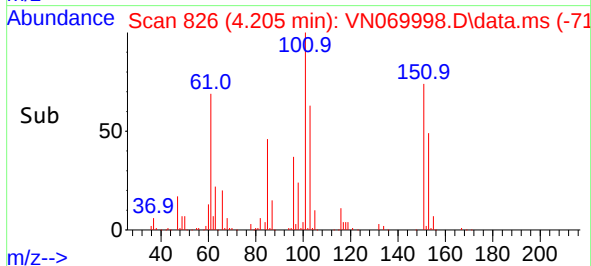
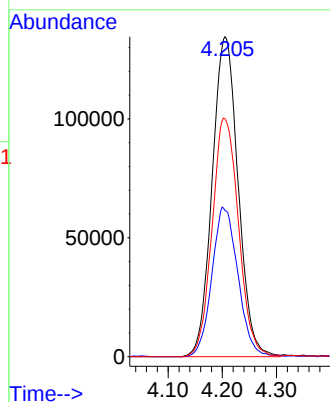
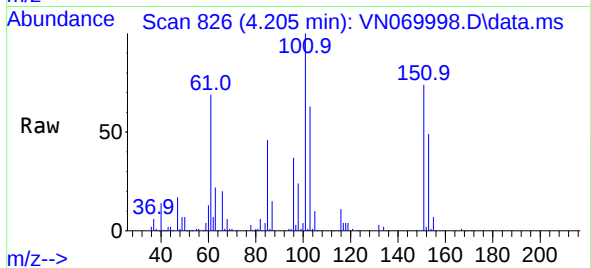
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.325 ug/l
RT: 4.205 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 447819
Ion Ratio Lower Upper
101 100
85 46.9 37.2 55.8
151 75.8 65.9 98.9

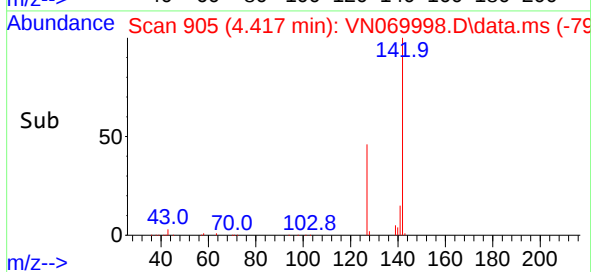
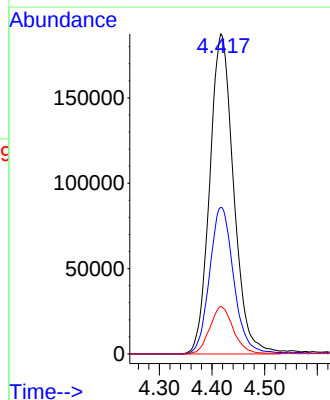
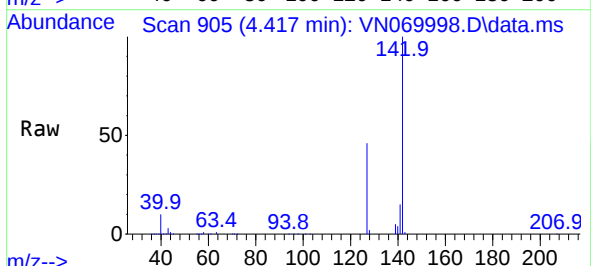
Manual Integrations
APPROVED

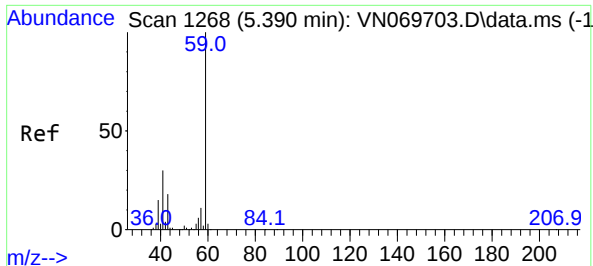
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#10
Methyl Iodide
Concen: 48.711 ug/l
RT: 4.417 min Scan# 905
Delta R.T. 0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

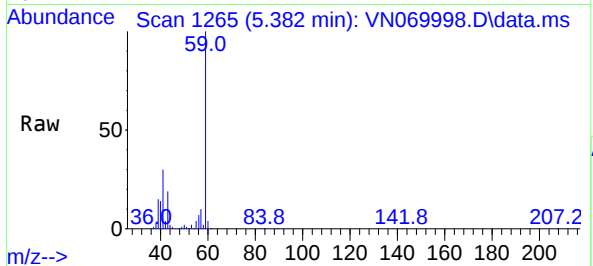
Tgt Ion:142 Resp: 592148
Ion Ratio Lower Upper
142 100
127 46.3 35.4 53.0
141 14.6 11.6 17.4





#11
Tert butyl alcohol
Concen: 239.225 ug/l
RT: 5.382 min Scan# 11
Delta R.T. -0.008 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

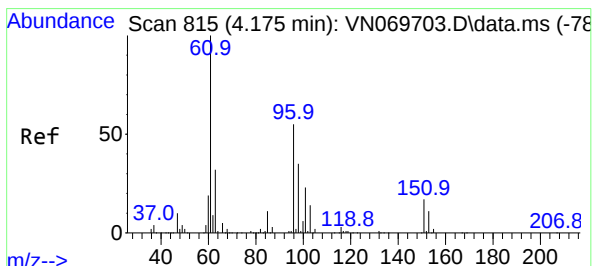
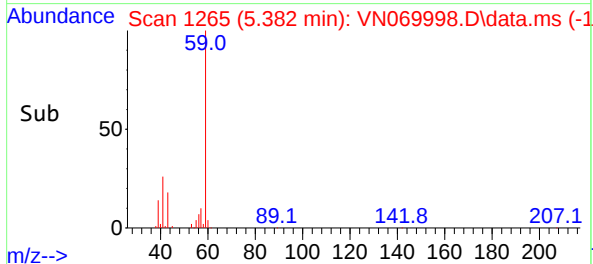
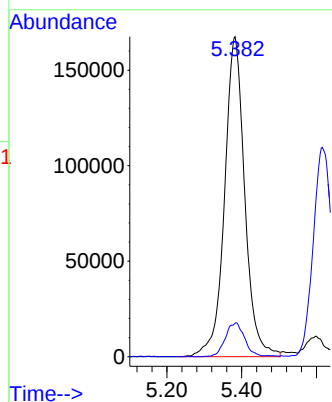
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 59 Resp: 62851
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1

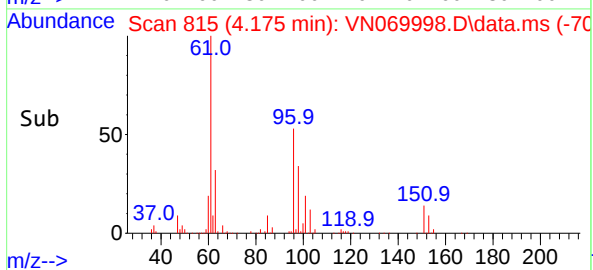
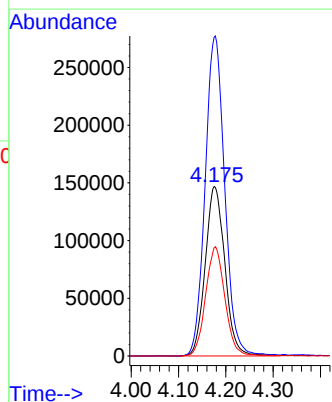
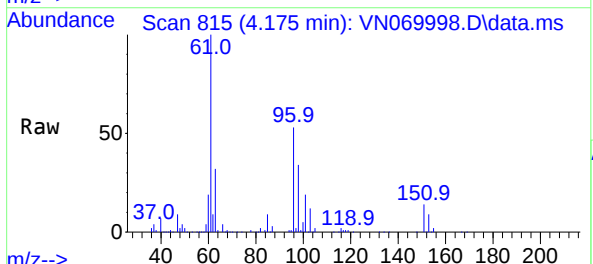
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#12
1,1-Dichloroethene
Concen: 49.486 ug/l
RT: 4.175 min Scan# 815
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

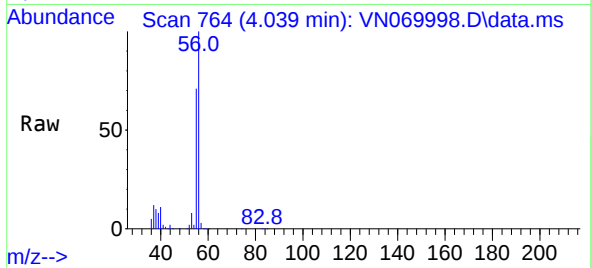
Tgt Ion: 96 Resp: 424340
Ion Ratio Lower Upper
96 100
61 188.1 131.0 196.6
98 63.8 52.4 78.6





#13
Acrolein
Concen: 240.713 ug/l
RT: 4.039 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

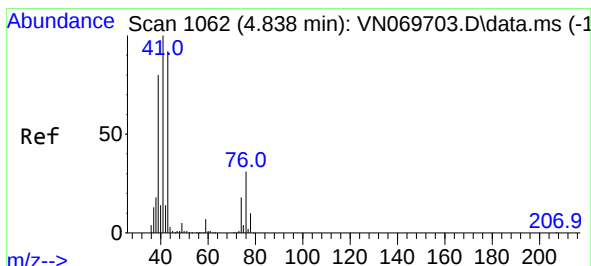
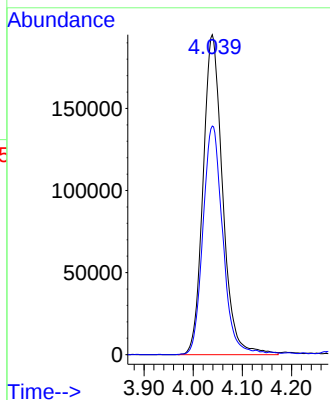
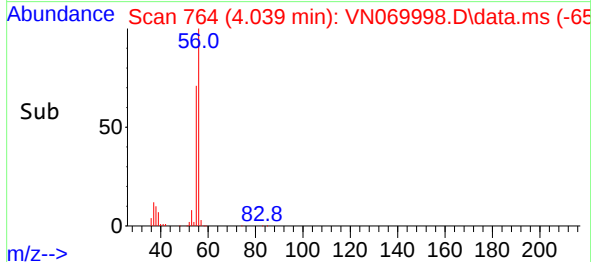
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



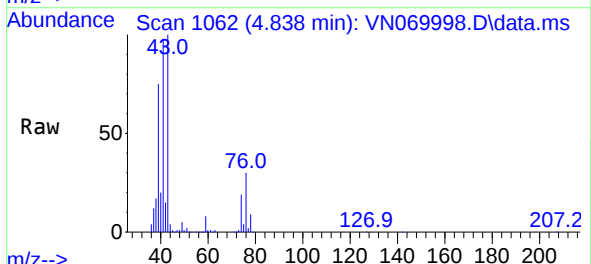
Tgt Ion: 56 Resp: 53856
Ion Ratio Lower Upper
56 100
55 71.7 56.6 85.0

Manual Integrations
APPROVED

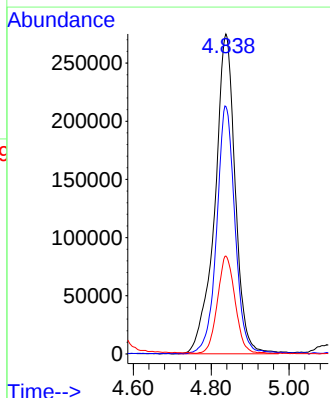
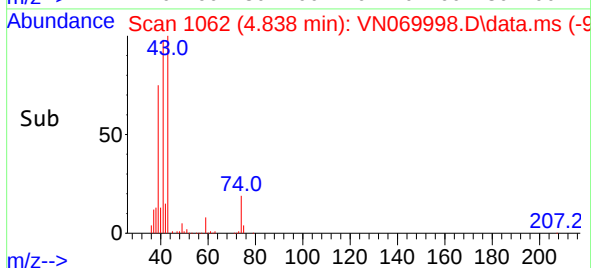
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

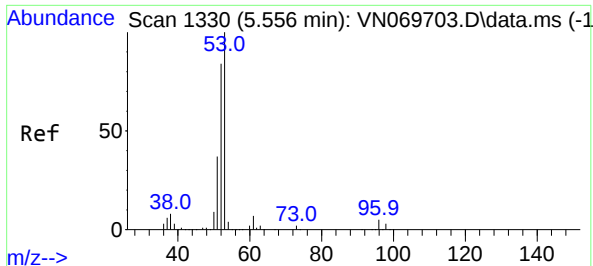


#14
Allyl chloride
Concen: 51.689 ug/l
RT: 4.838 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



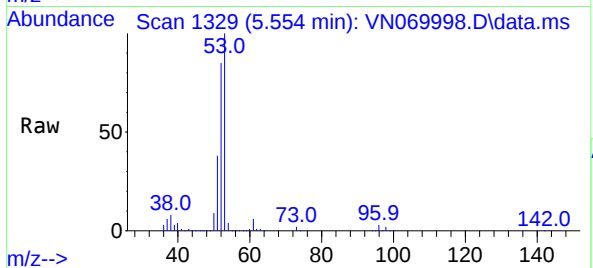
Tgt Ion: 41 Resp: 998750
Ion Ratio Lower Upper
41 100
39 69.4 61.2 91.8
76 26.2 26.0 39.0





#15
Acrylonitrile
Concen: 253.636 ug/l
RT: 5.554 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

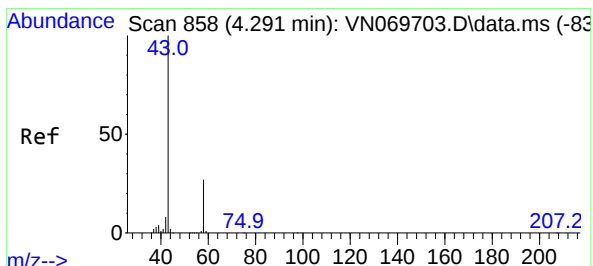
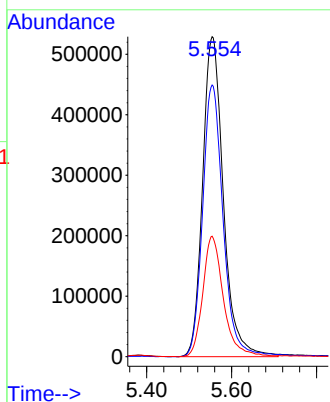
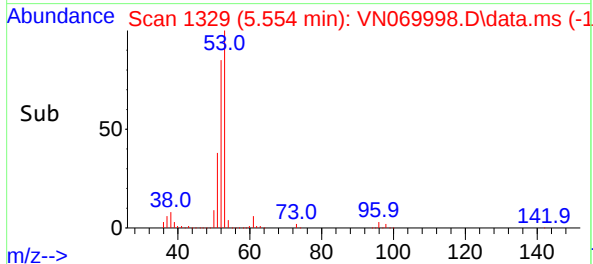
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 53 Resp: 179565
Ion Ratio Lower Upper
53 100
52 83.5 66.2 99.2
51 37.5 29.6 44.4

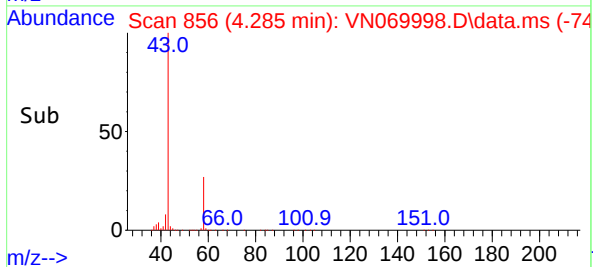
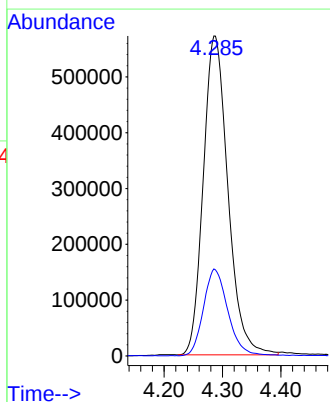
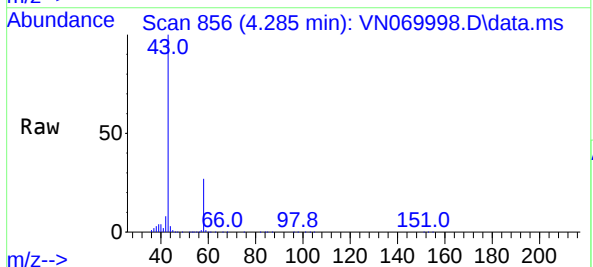
Manual Integrations
APPROVED

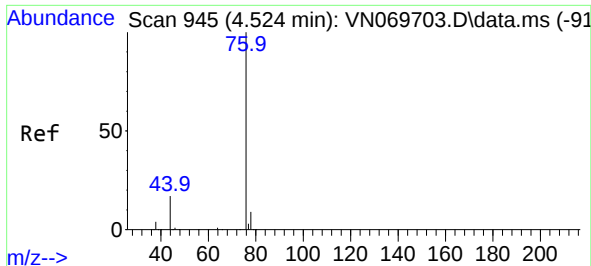
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#16
Acetone
Concen: 200.380 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.005 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

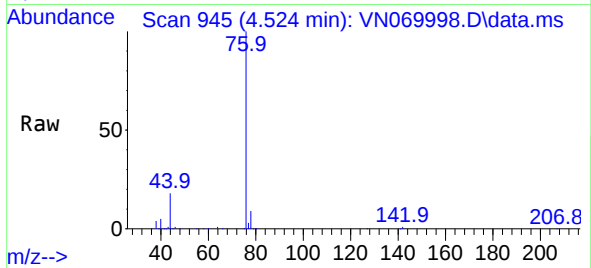
Tgt Ion: 43 Resp: 1675388
Ion Ratio Lower Upper
43 100
58 27.2 23.1 34.7





#17
Carbon Disulfide
Concen: 52.802 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

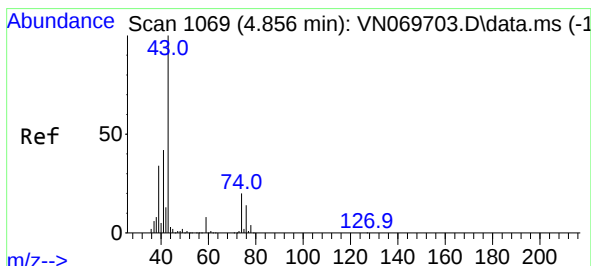
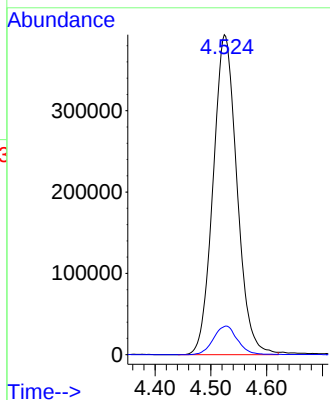
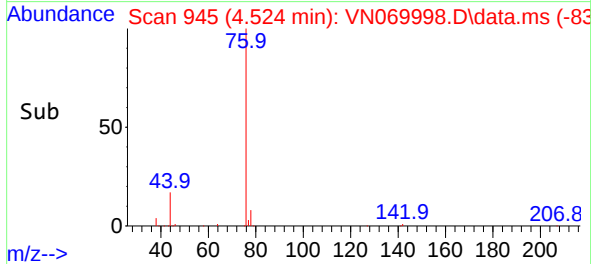
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



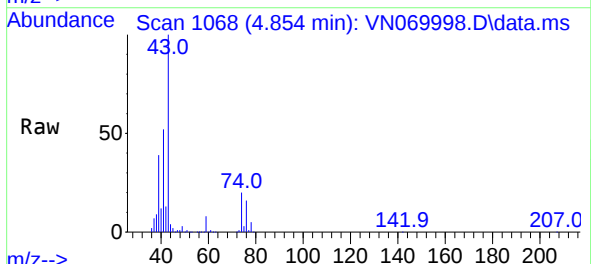
Tgt Ion: 76 Resp: 1169739
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

Manual Integrations
APPROVED

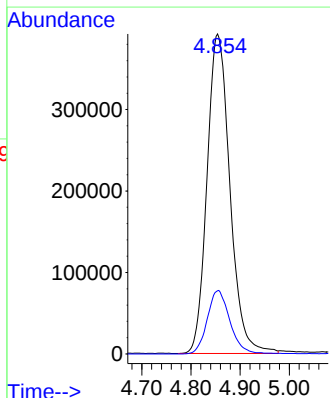
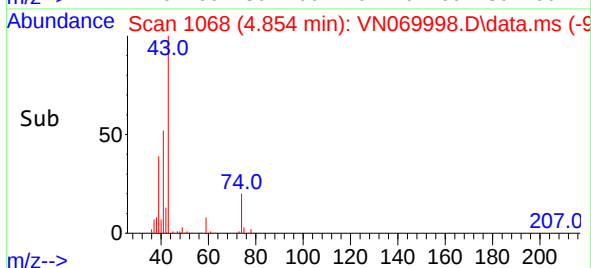
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

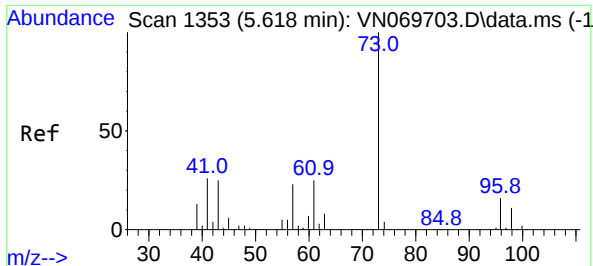


#18
Methyl Acetate
Concen: 50.351 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion: 43 Resp: 1270737
Ion Ratio Lower Upper
43 100
74 19.5 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 50.944 ug/l

RT: 5.618 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 1698530

Ion Ratio Lower Upper

73 100

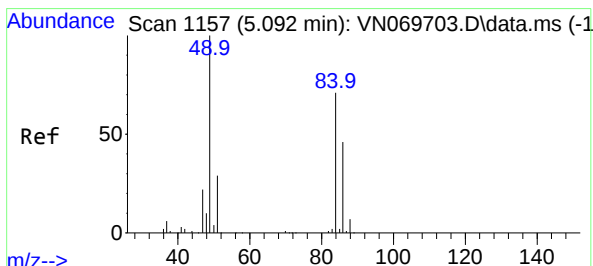
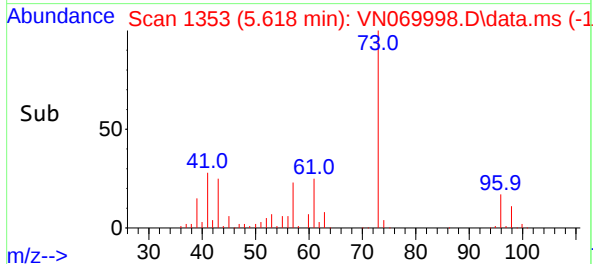
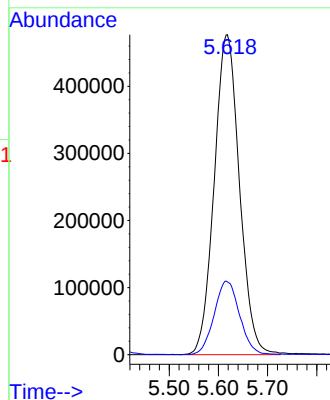
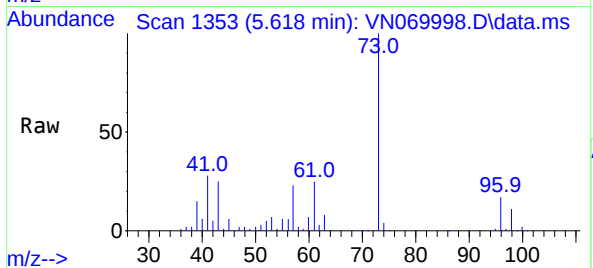
57 22.7 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021

Supervised By :Amit Patel 12/14/2021



#20

Methylene Chloride

Concen: 48.427 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Tgt Ion: 84 Resp: 538266

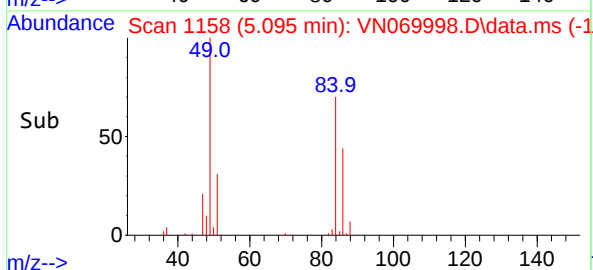
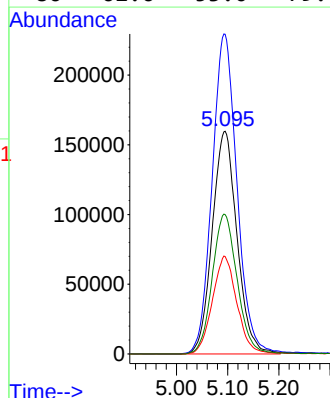
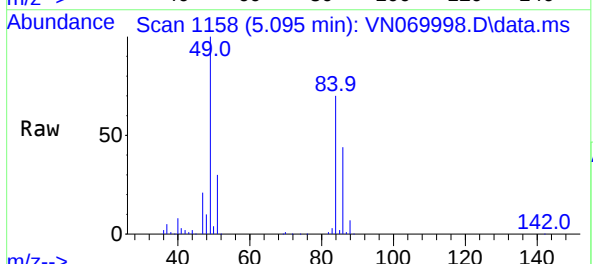
Ion Ratio Lower Upper

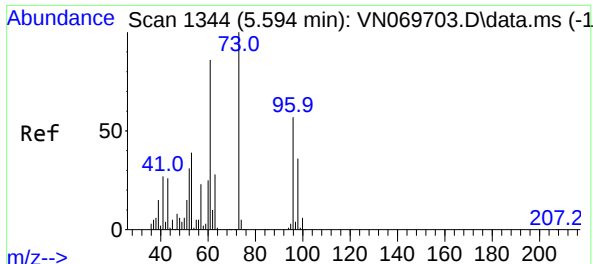
84 100

49 143.5 93.5 140.3#

51 43.8 29.4 44.2

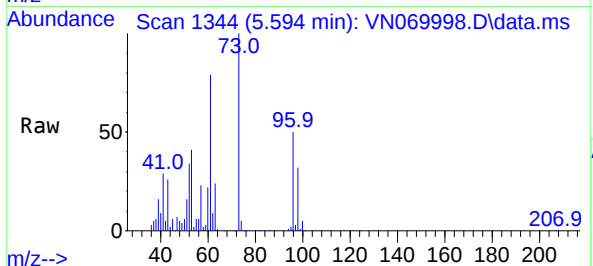
86 62.6 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 49.043 ug/l
RT: 5.594 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

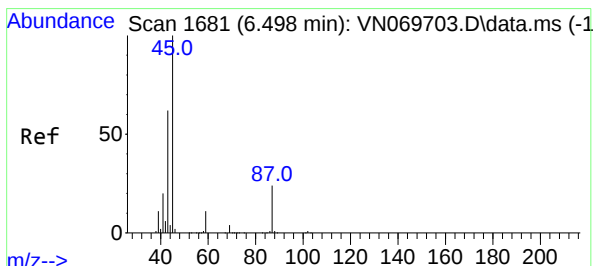
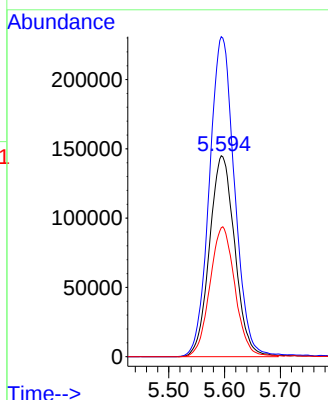
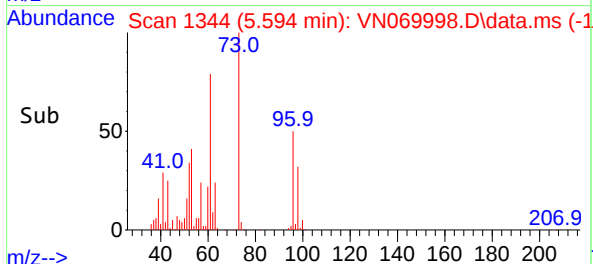
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



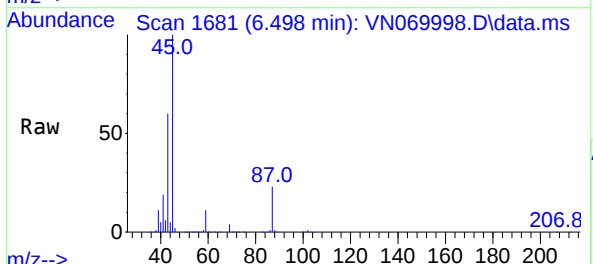
Tgt Ion: 96 Resp: 456774
Ion Ratio Lower Upper
96 100
61 159.1 105.8 158.6
98 64.1 52.0 78.0

Manual Integrations
APPROVED

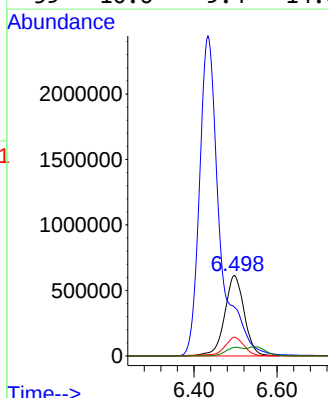
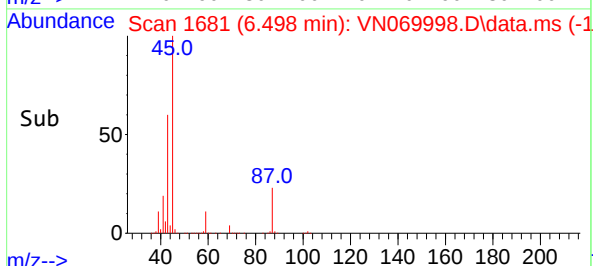
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

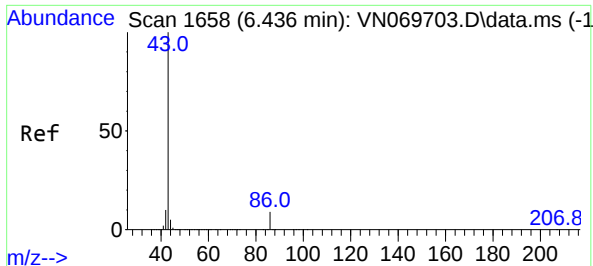


#22
Diisopropyl ether
Concen: 53.293 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



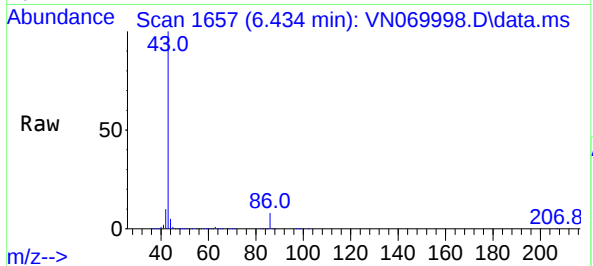
Tgt Ion: 45 Resp: 2012709
Ion Ratio Lower Upper
45 100
43 60.2 51.7 77.5
87 23.2 23.2 34.8
59 10.6 9.4 14.0





#23
 Vinyl Acetate
 Concen: 268.456 ug/l
 RT: 6.434 min Scan# 1657
 Delta R.T. -0.003 min
 Lab File: VN069998.D
 Acq: 11 Dec 2021 9:49

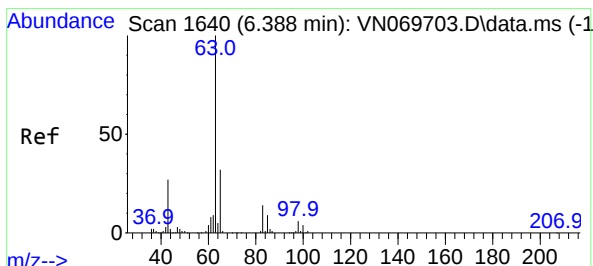
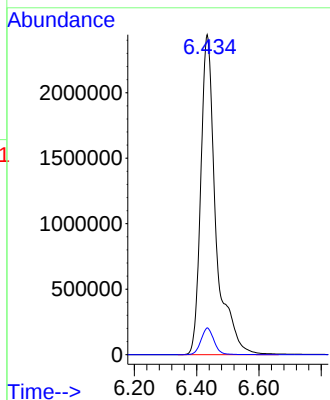
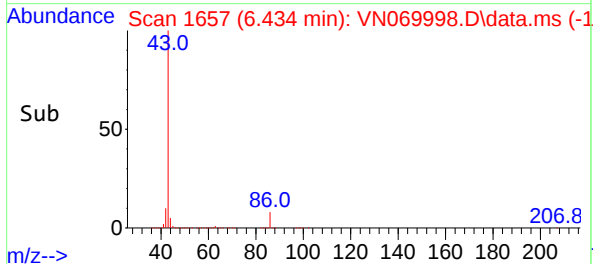
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



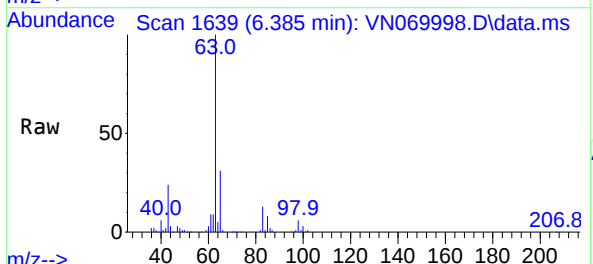
Tgt Ion: 43 Resp: 8248418
 Ion Ratio Lower Upper
 43 100
 86 8.4 8.5 12.7

Manual Integrations
 APPROVED

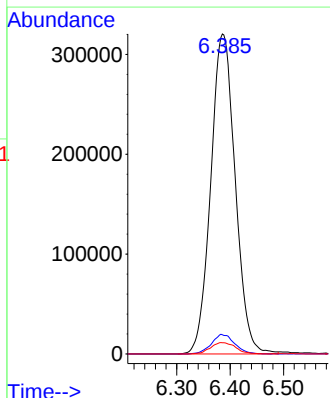
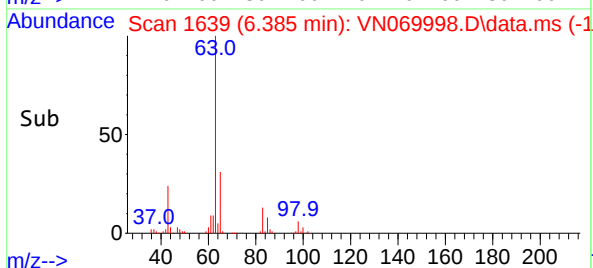
Reviewed By :John Carlone 12/13/2021
 Supervised By :Amit Patel 12/14/2021



#24
 1,1-Dichloroethane
 Concen: 52.182 ug/l
 RT: 6.385 min Scan# 1639
 Delta R.T. -0.003 min
 Lab File: VN069998.D
 Acq: 11 Dec 2021 9:49



Tgt Ion: 63 Resp: 1020869
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.9
 100 3.5 2.1 6.5





#25

2-Butanone

Concen: 231.164 ug/l

RT: 7.335 min Scan# 1993

Delta R.T. -0.003 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2626089

Ion Ratio Lower Upper

43 100

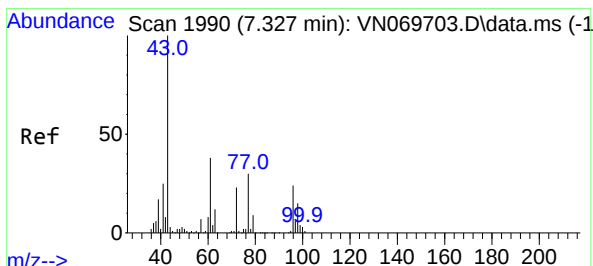
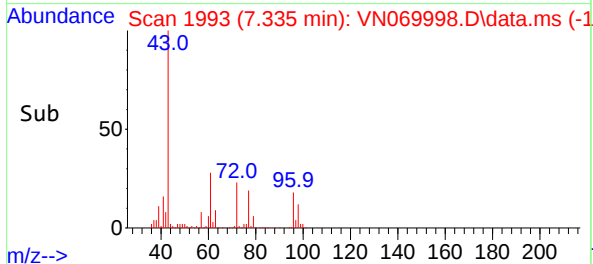
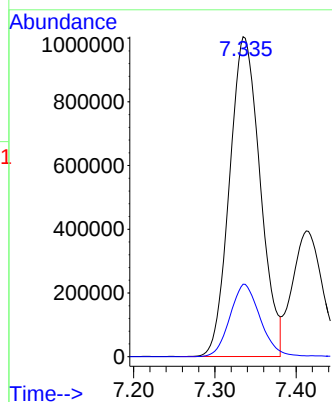
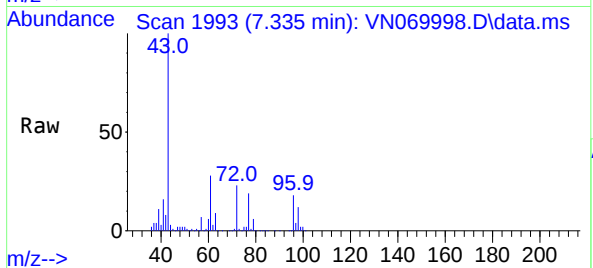
72 22.7 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021

Supervised By :Amit Patel 12/14/2021



#26

2,2-Dichloropropane

Concen: 39.975 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN069998.D

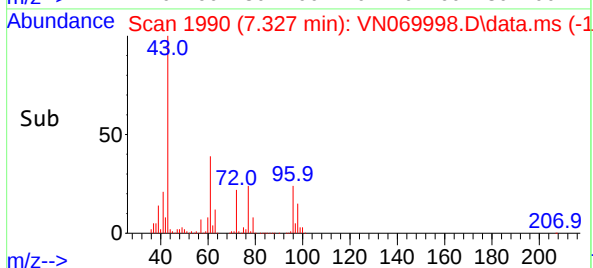
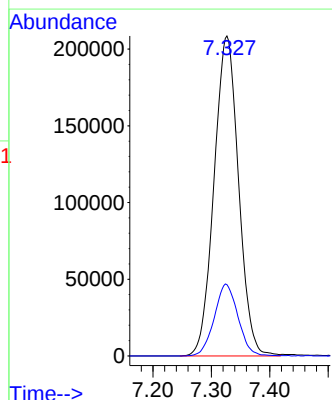
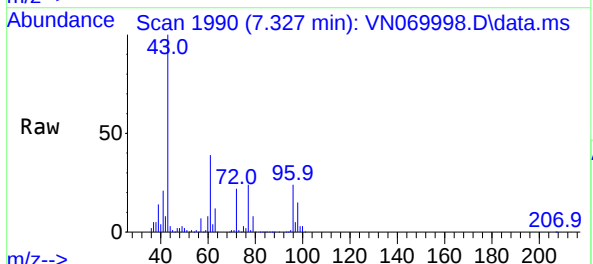
Acq: 11 Dec 2021 9:49

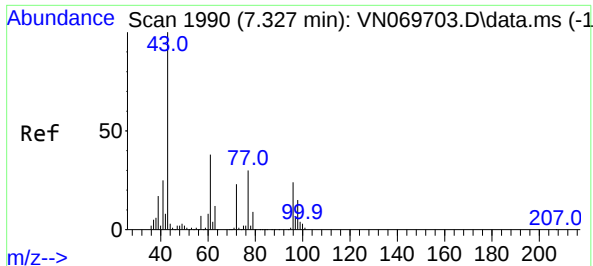
Tgt Ion: 77 Resp: 608060

Ion Ratio Lower Upper

77 100

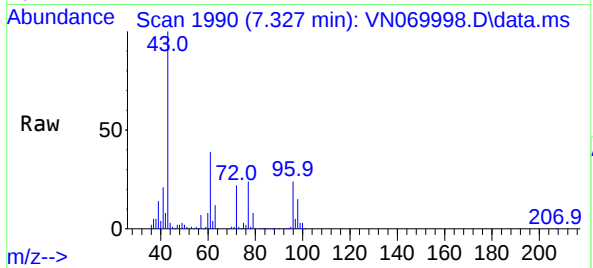
97 21.8 11.6 34.8





#27
cis-1,2-Dichloroethene
Concen: 49.668 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

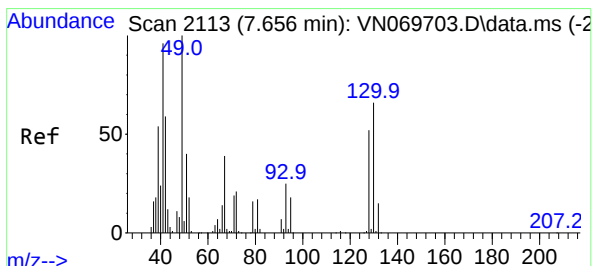
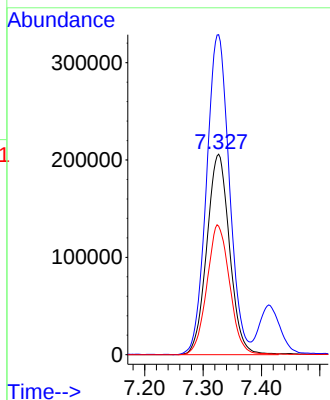
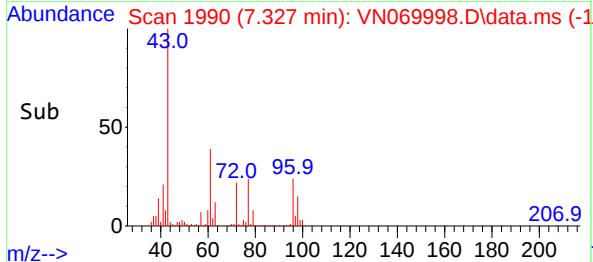
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



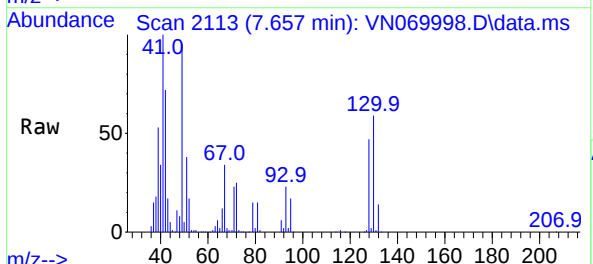
Tgt Ion: 96 Resp: 55889
Ion Ratio Lower Upper
96 100
61 159.8 0.0 275.0
98 64.8 0.0 129.6

Manual Integrations
APPROVED

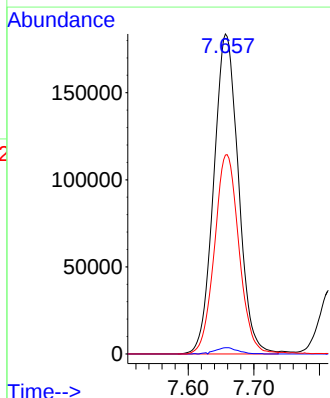
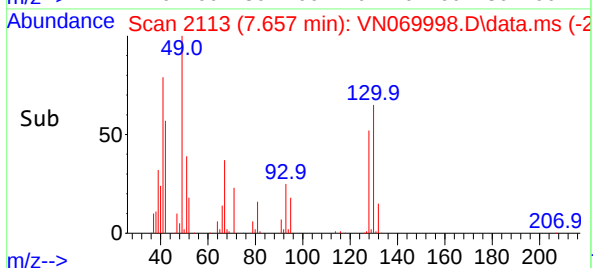
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#28
Bromochloromethane
Concen: 47.196 ug/l
RT: 7.657 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion: 49 Resp: 480145
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.0
130 62.0 67.8 101.8#





#29

Tetrahydrofuran

Concen: 250.060 ug/l

RT: 7.686 min Scan# 2124

Delta R.T. 0.000 min

Lab File: VN069998.D

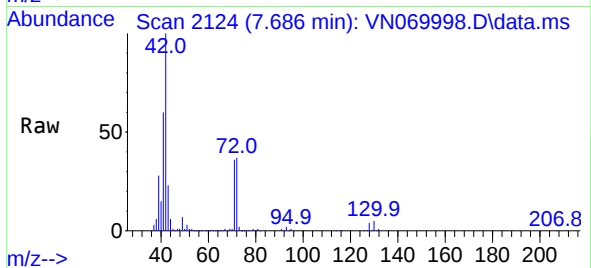
Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 42 Resp: 1724970

Ion Ratio Lower Upper

42 100

72 36.8 36.3 54.5

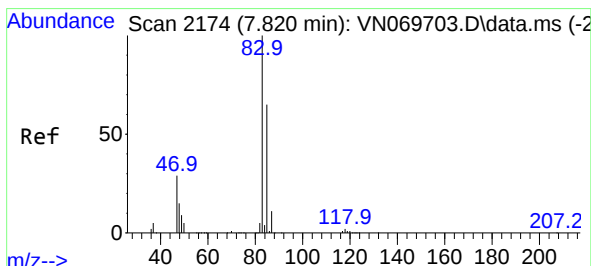
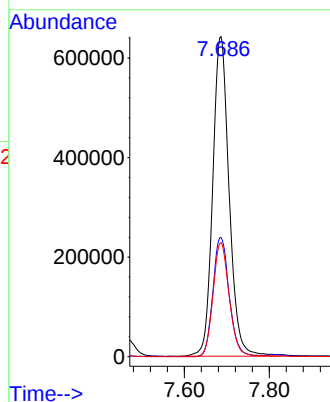
71 35.3 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021

Supervised By :Amit Patel 12/14/2021



#30

Chloroform

Concen: 51.911 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN069998.D

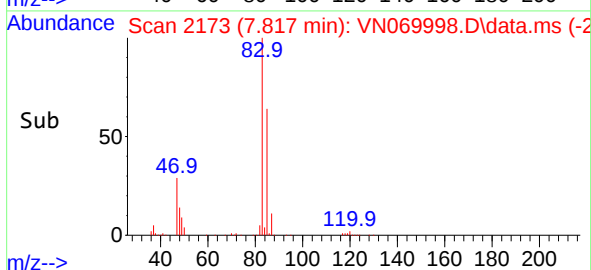
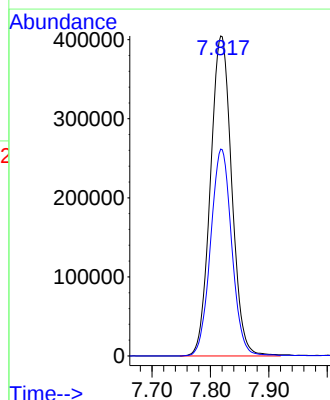
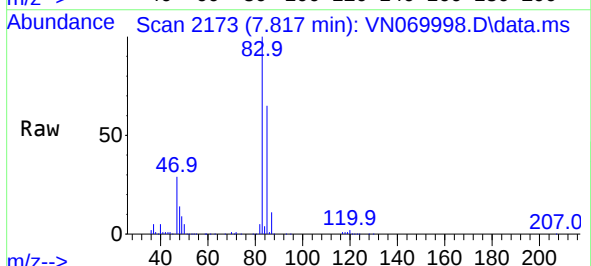
Acq: 11 Dec 2021 9:49

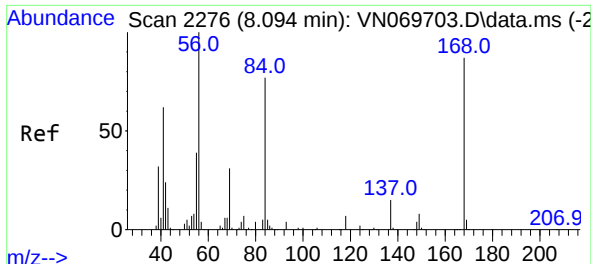
Tgt Ion: 83 Resp: 1025651

Ion Ratio Lower Upper

83 100

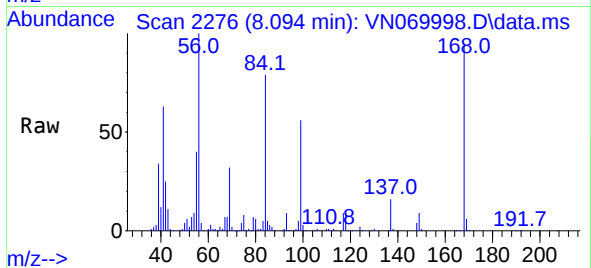
85 64.6 51.9 77.9





#31
Cyclohexane
Concen: 48.121 ug/l
RT: 8.094 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

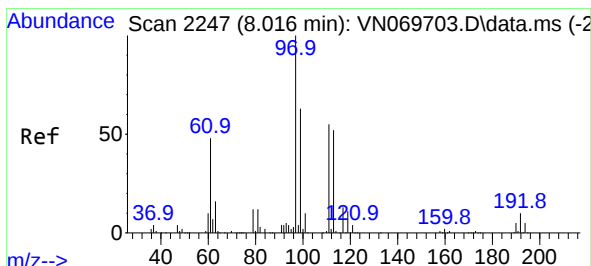
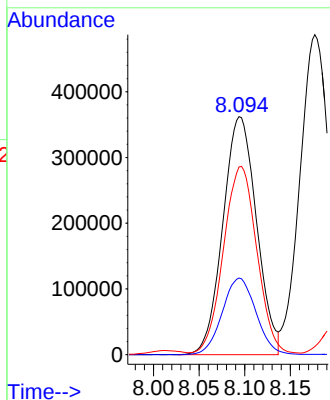
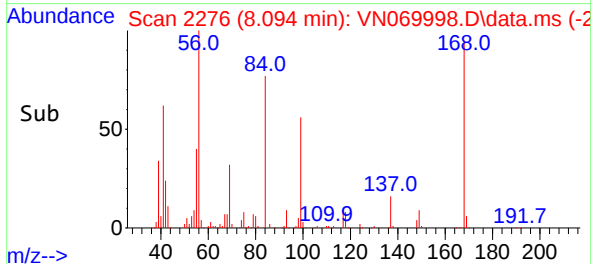
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



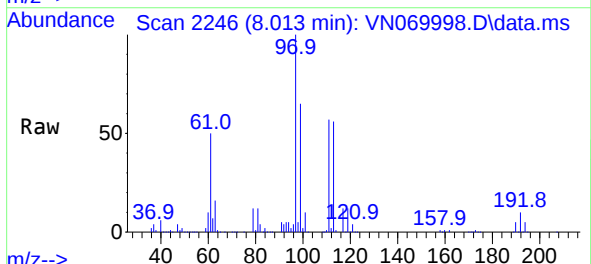
Tgt Ion: 56 Resp: 930800
Ion Ratio Lower Upper
56 100
69 32.2 27.1 40.7
84 77.5 73.4 110.0

Manual Integrations
APPROVED

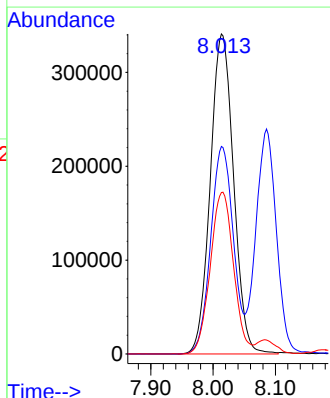
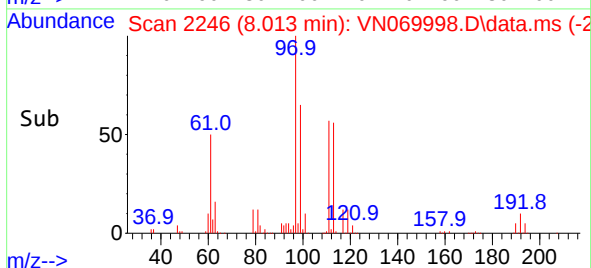
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

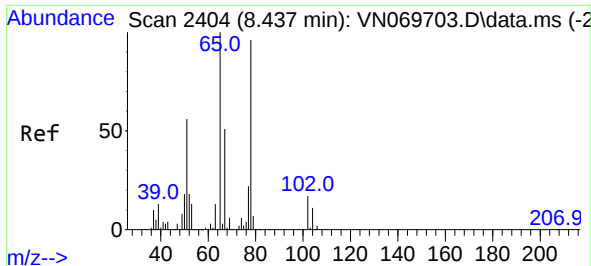


#32
1,1,1-Trichloroethane
Concen: 52.687 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion: 97 Resp: 886727
Ion Ratio Lower Upper
97 100
99 63.2 50.1 75.1
61 50.5 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 55.017 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 76469

Ion Ratio Lower Upper

65 100

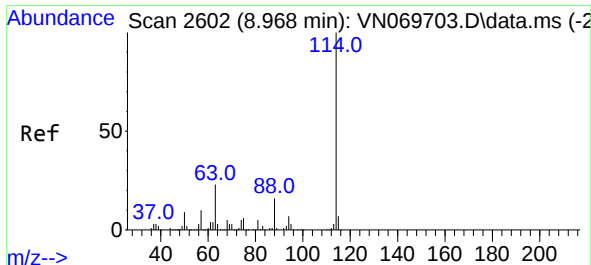
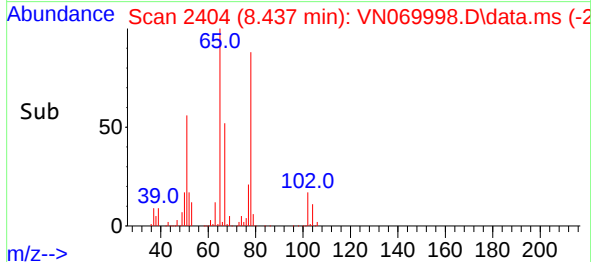
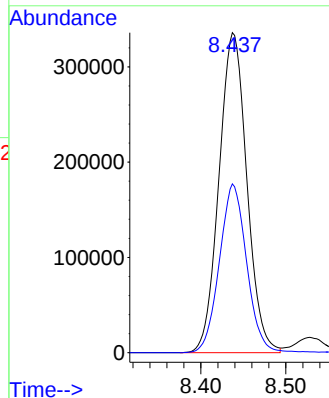
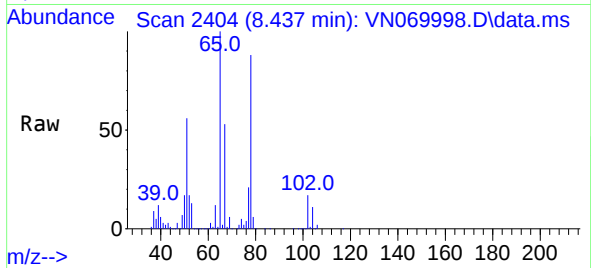
67 51.6 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021

Supervised By :Amit Patel 12/14/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

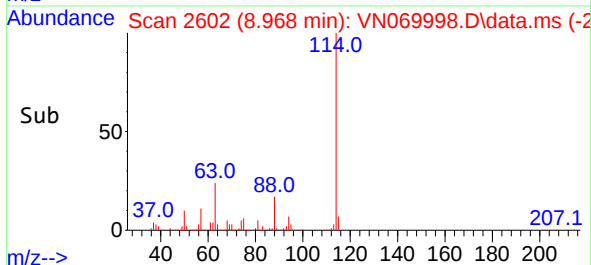
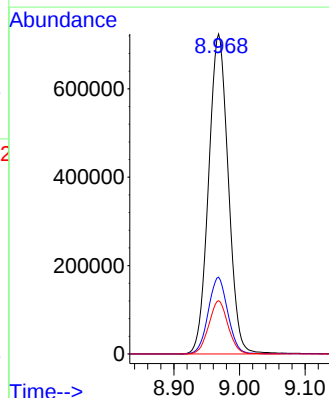
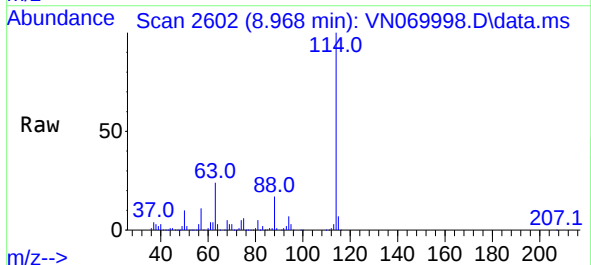
Tgt Ion:114 Resp: 1507663

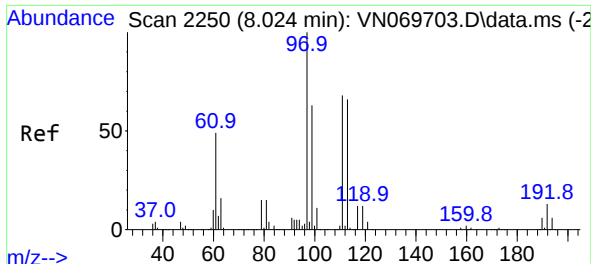
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

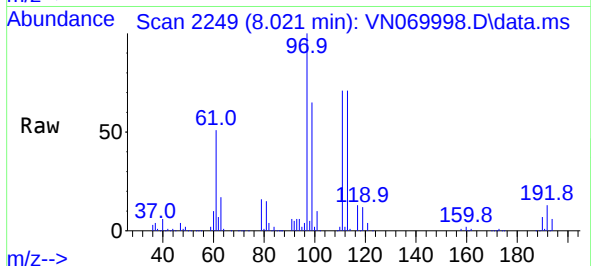
88 16.7 0.0 27.4





#35
Dibromofluoromethane
Concen: 56.780 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

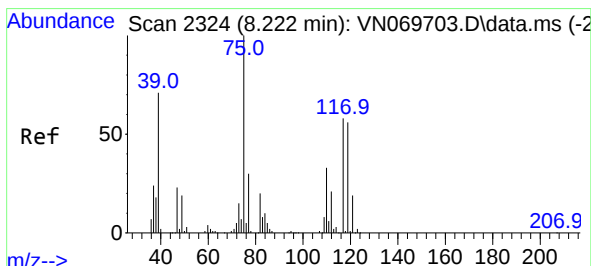
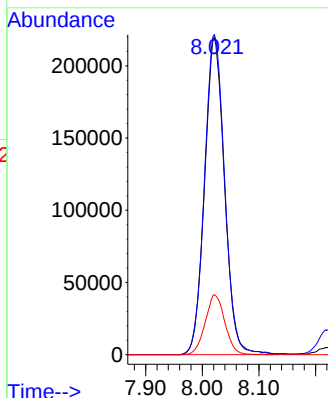
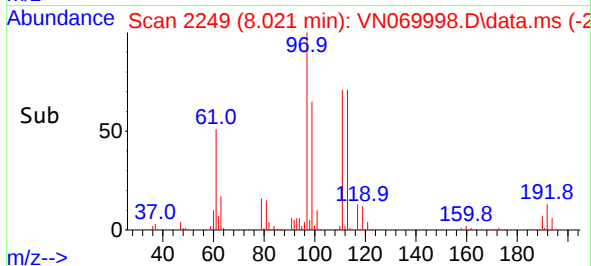
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



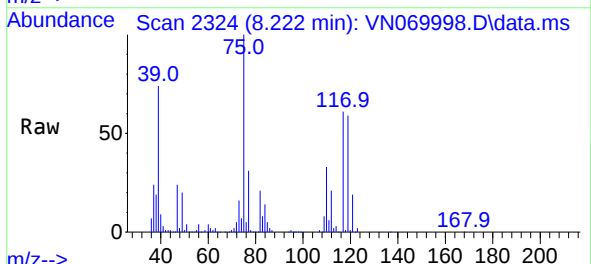
Tgt Ion:113 Resp: 53621
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 18.6 16.9 25.3

Manual Integrations
APPROVED

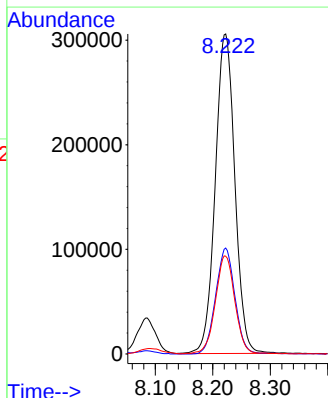
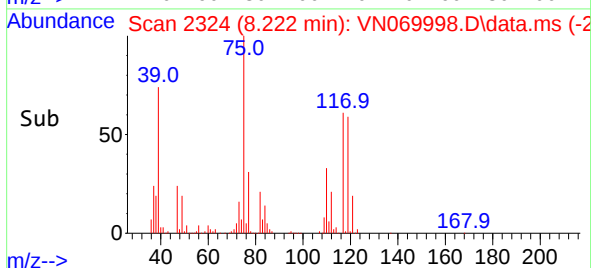
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

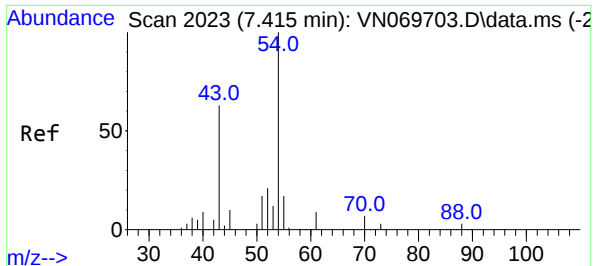


#36
1,1-Dichloropropene
Concen: 50.400 ug/l
RT: 8.222 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion: 75 Resp: 723360
Ion Ratio Lower Upper
75 100
110 32.5 18.4 55.2
77 30.3 24.4 36.6





#37
Ethyl Acetate
Concen: 47.688 ug/l
RT: 7.412 min Scan# 2023
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

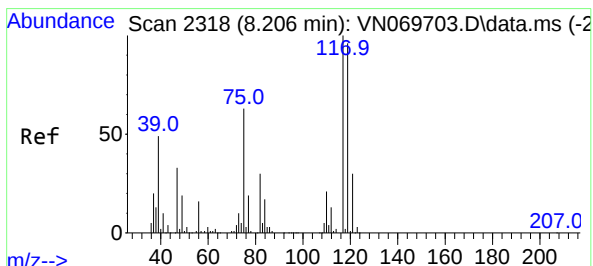
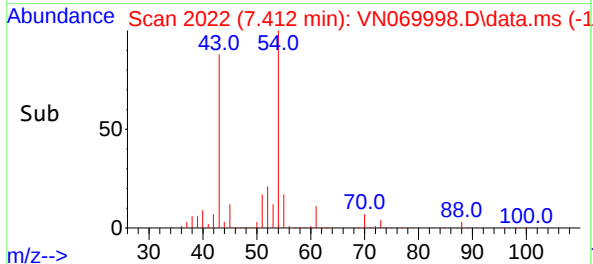
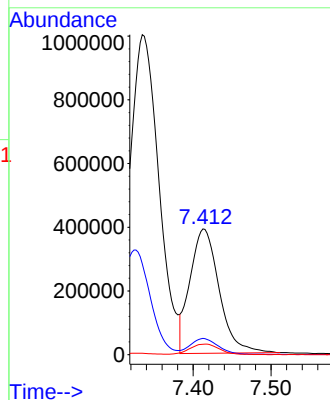
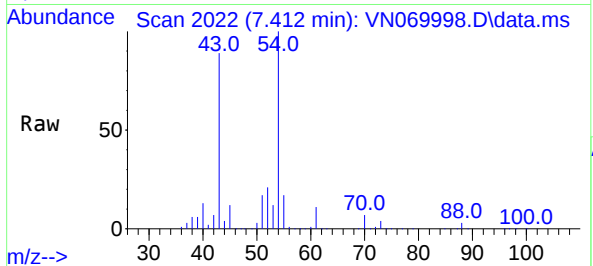
VSTDCCC050EC

Tgt Ion: 43 Resp: 101871
Ion Ratio Lower Upper
43 100
61 12.0 11.5 17.3
70 8.5 7.9 11.9

Manual Integrations

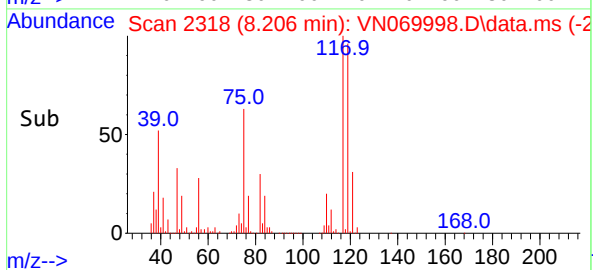
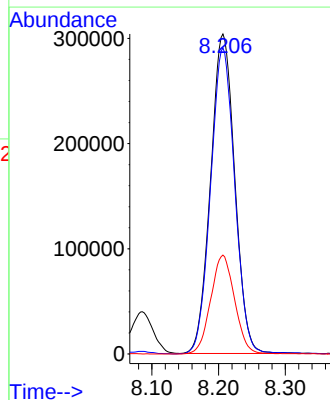
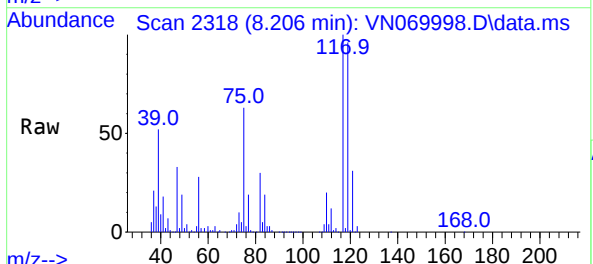
APPROVED

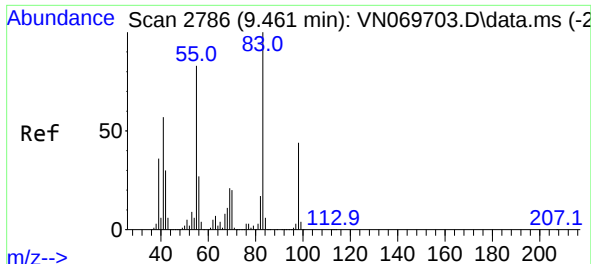
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#38
Carbon Tetrachloride
Concen: 54.186 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion:117 Resp: 762633
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1
121 31.0 24.2 36.2





#39

Methylcyclohexane

Concen: 48.129 ug/l

RT: 9.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

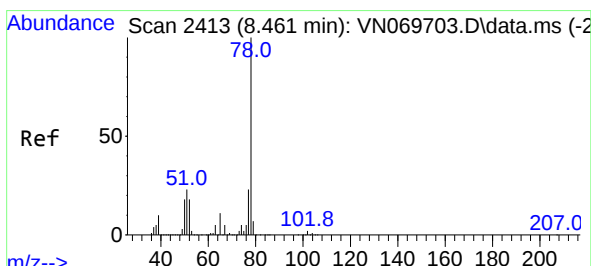
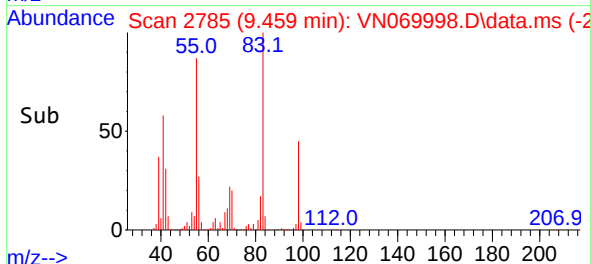
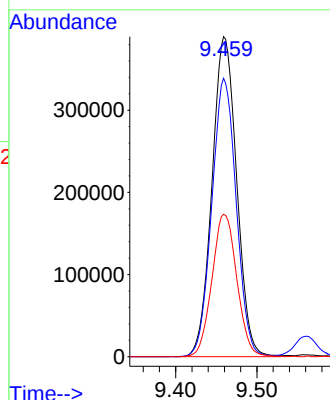
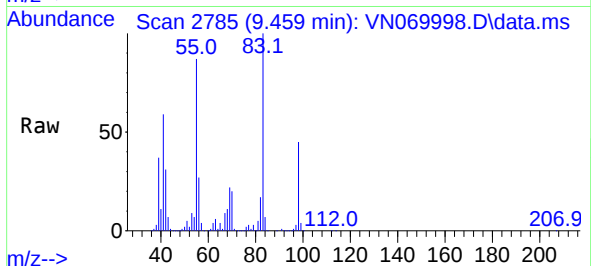
Tgt Ion: 83 Resp: 82165

Ion	Ratio	Lower	Upper
83	100		
55	86.9	58.1	87.1
98	44.5	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#40

Benzene

Concen: 50.358 ug/l

RT: 8.461 min Scan# 2413

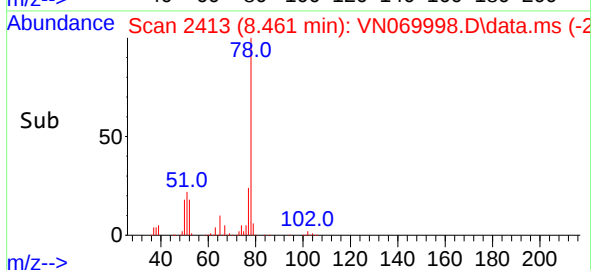
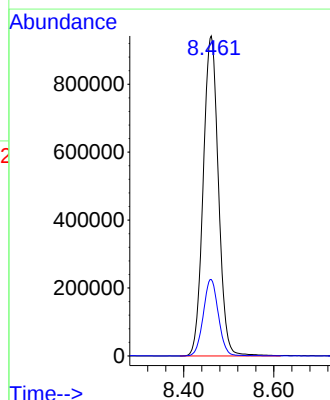
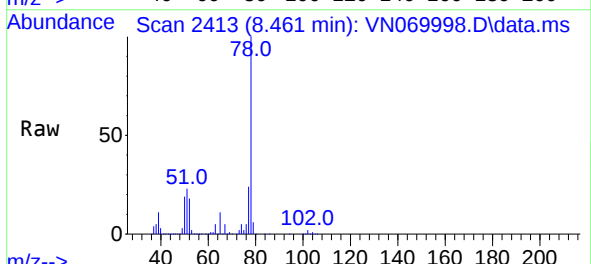
Delta R.T. 0.000 min

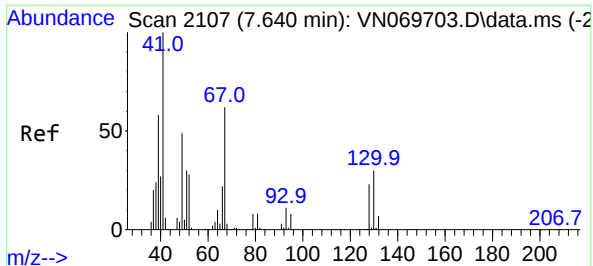
Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Tgt Ion: 78 Resp: 2209199

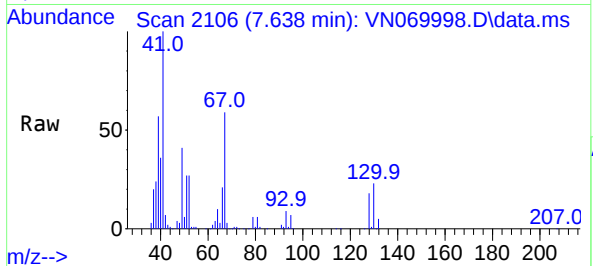
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	27.8





#41
Methacrylonitrile
Concen: 51.409 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. -0.002 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

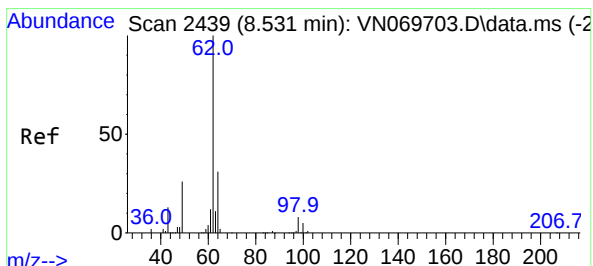
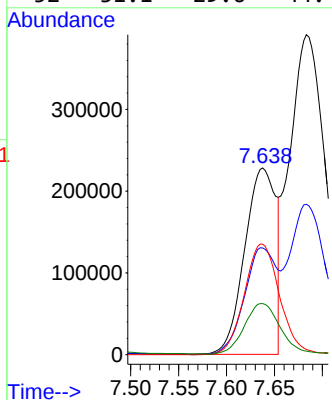
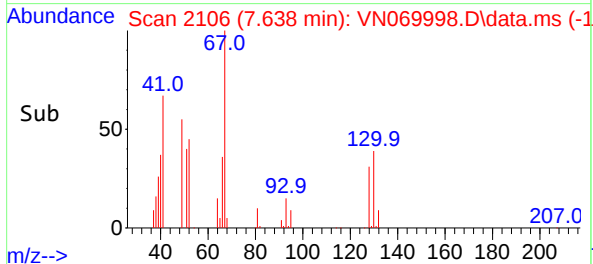
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 41 Resp: 515529
Ion Ratio Lower Upper
41 100
39 60.6 48.1 72.1
67 67.3 68.3 102.5
52 31.1 29.6 44.4

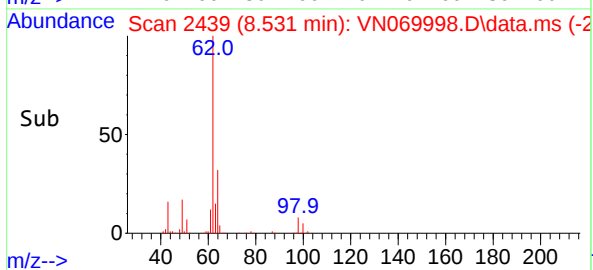
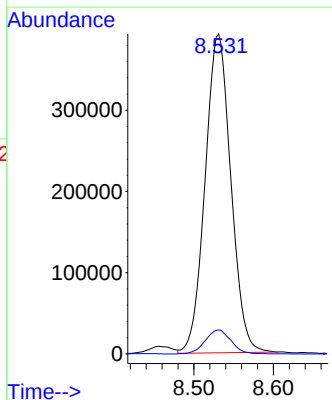
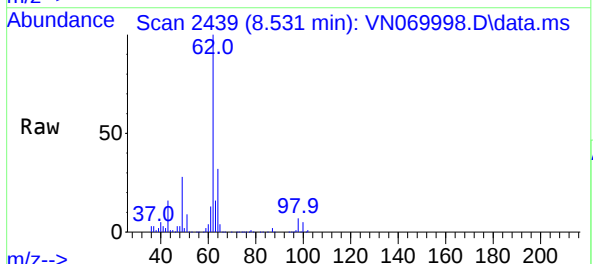
Manual Integrations
APPROVED

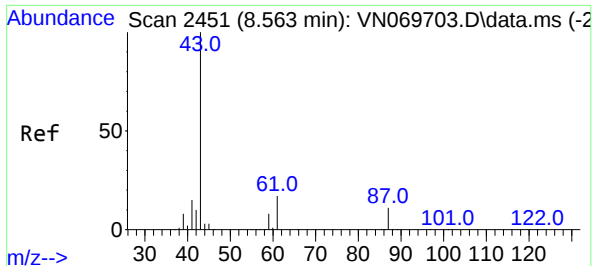
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#42
1,2-Dichloroethane
Concen: 49.845 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion: 62 Resp: 882723
Ion Ratio Lower Upper
62 100
98 7.6 0.0 17.6





#43
Isopropyl Acetate
Concen: 51.576 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

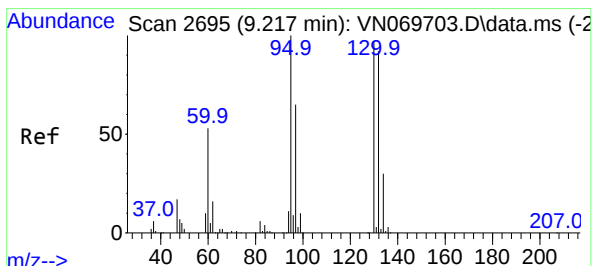
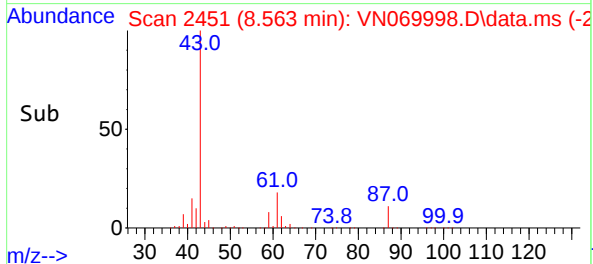
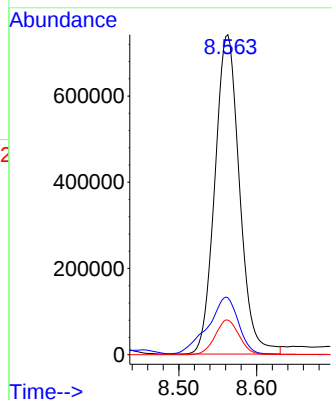
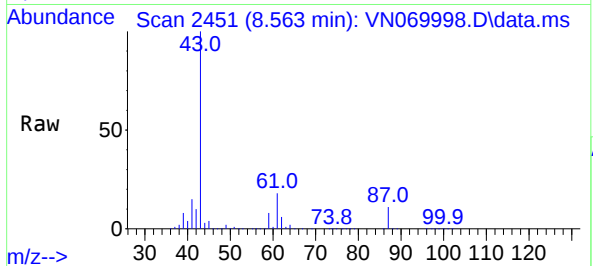
VSTDCCC050EC

Tgt Ion: 43 Resp: 163042
Ion Ratio Lower Upper
43 100
61 22.3 20.4 30.6
87 10.6 11.2 16.8

Manual Integrations

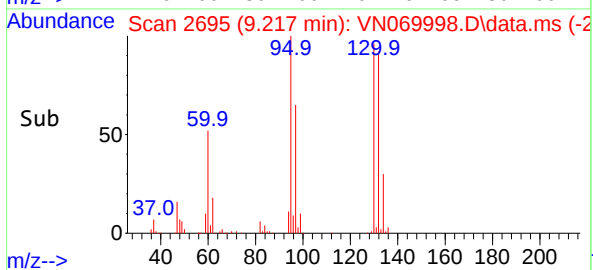
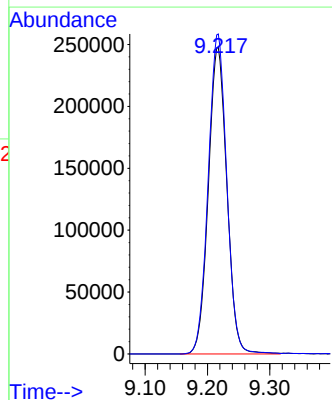
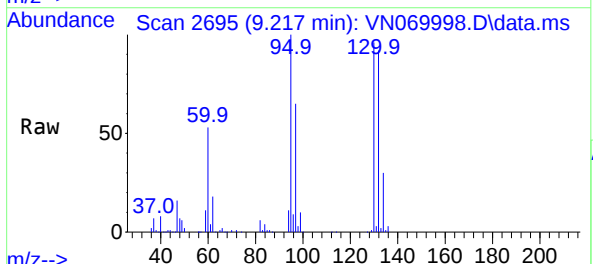
APPROVED

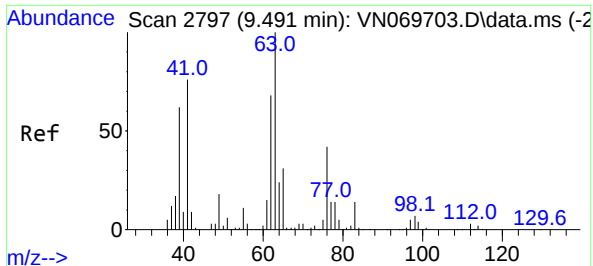
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#44
Trichloroethene
Concen: 48.836 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion:130 Resp: 511352
Ion Ratio Lower Upper
130 100
95 104.4 0.0 191.2





#45

1,2-Dichloropropane

Concen: 51.851 ug/l

RT: 9.488 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 61083

Ion Ratio Lower Upper

63 100

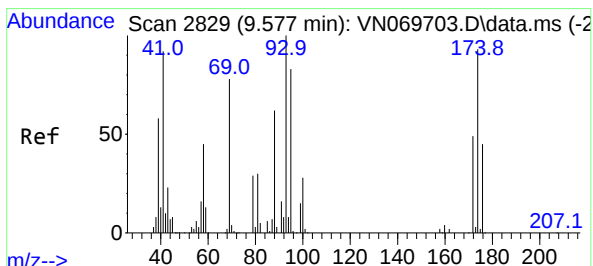
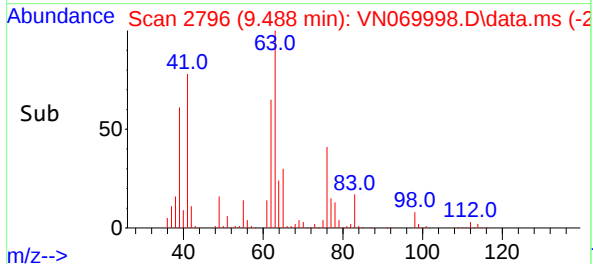
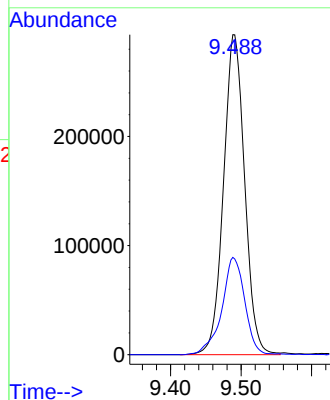
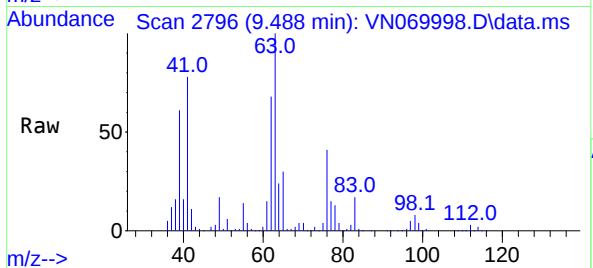
65 30.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021

Supervised By :Amit Patel 12/14/2021



#46

Dibromomethane

Concen: 51.282 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.000 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

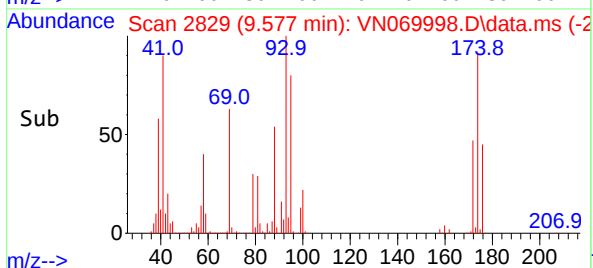
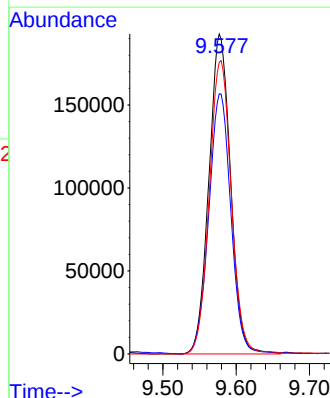
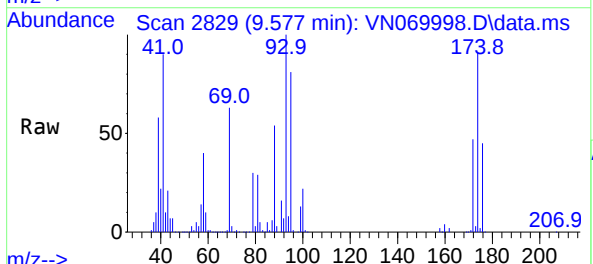
Tgt Ion: 93 Resp: 396213

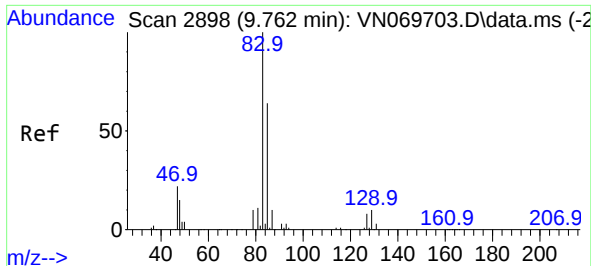
Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

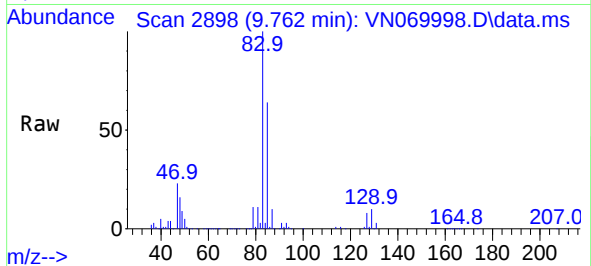
174 92.9 84.6 127.0





#47
Bromodichloromethane
Concen: 57.545 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

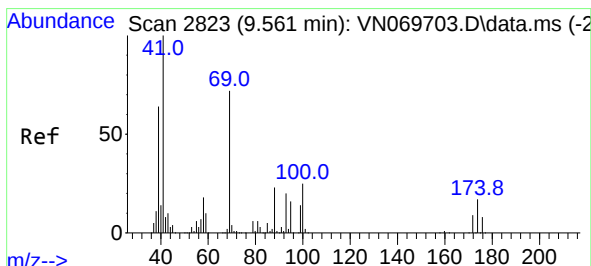
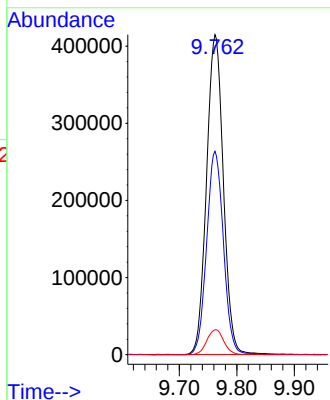
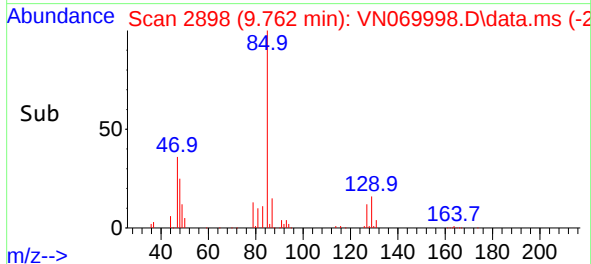
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 83 Resp: 841794
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3
127 7.8 7.1 10.7

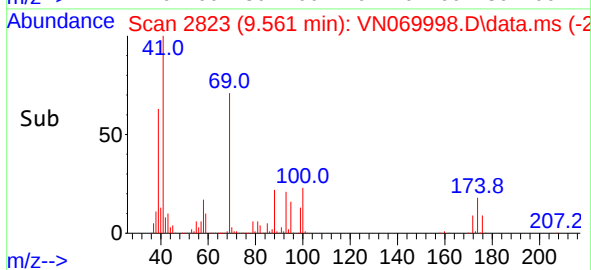
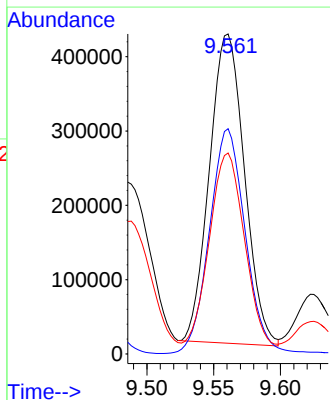
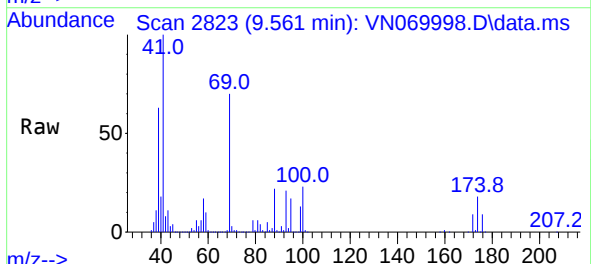
Manual Integrations
APPROVED

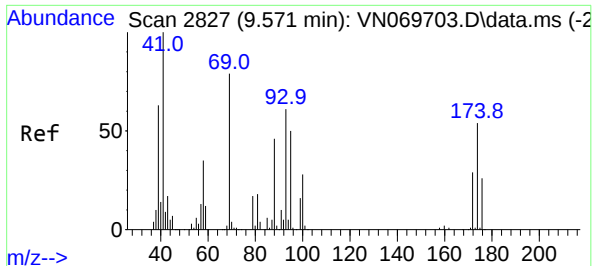
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#48
Methyl methacrylate
Concen: 51.555 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

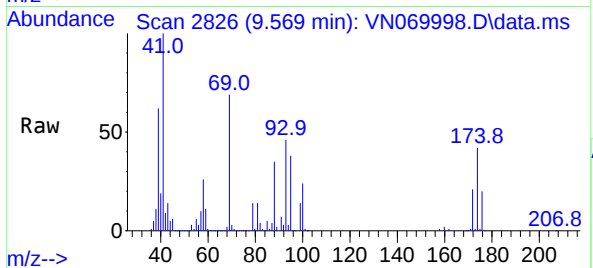
Tgt Ion: 41 Resp: 760578
Ion Ratio Lower Upper
41 100
69 74.4 72.4 108.6
39 67.0 58.4 87.6





#49
1,4-Dioxane
Concen: 937.861 ug/l
RT: 9.569 min Scan# 2827
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

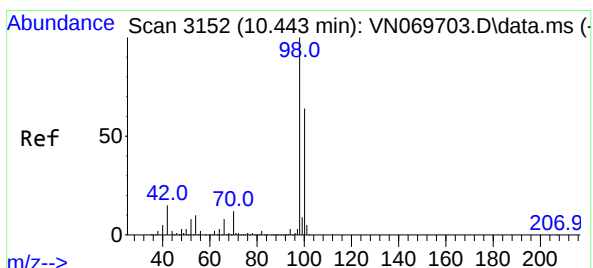
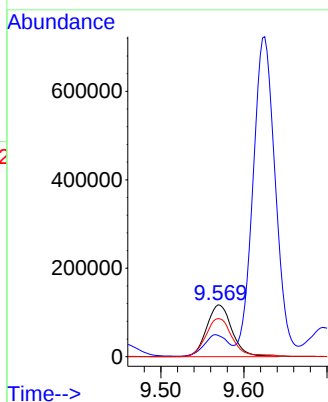
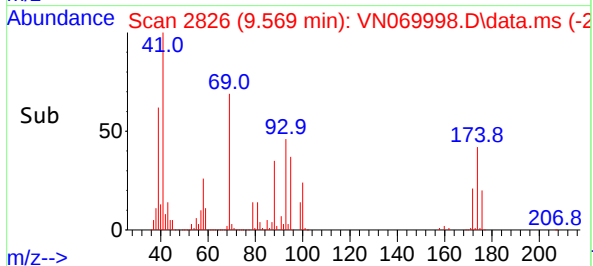
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 88 Resp: 248258
Ion Ratio Lower Upper
88 100
43 38.8 23.4 35.2
58 78.8 50.6 75.8

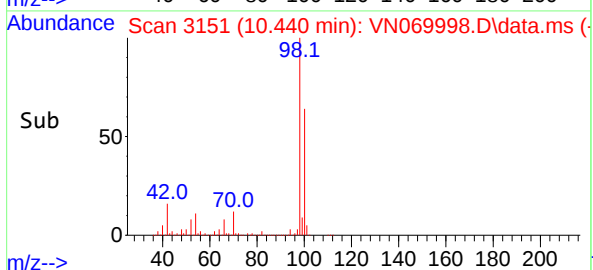
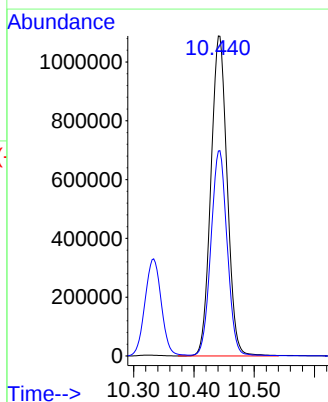
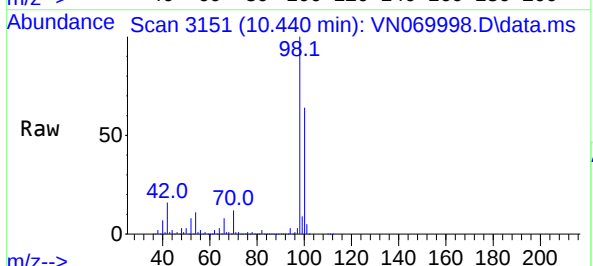
Manual Integrations
APPROVED

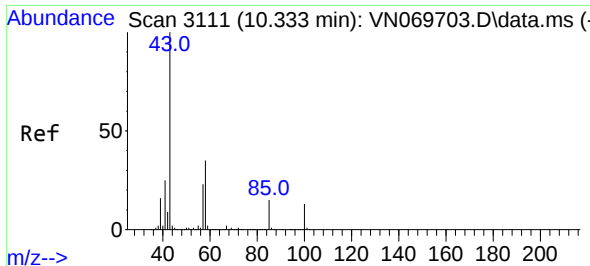
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#50
Toluene-d8
Concen: 53.798 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion: 98 Resp: 2039975
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6





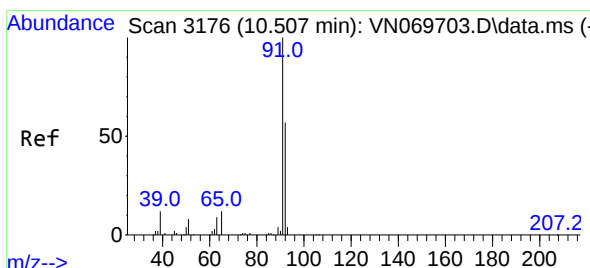
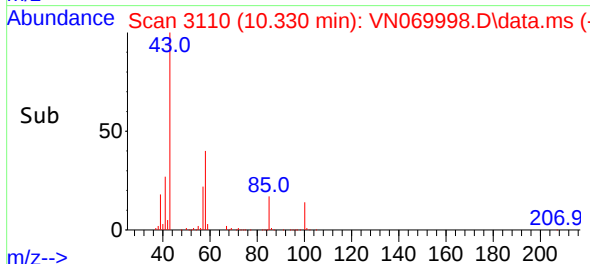
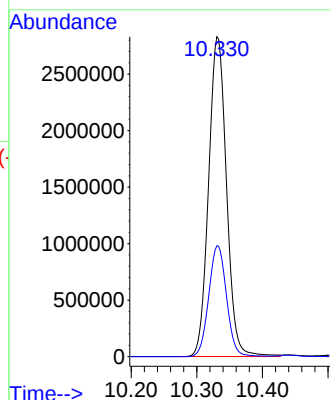
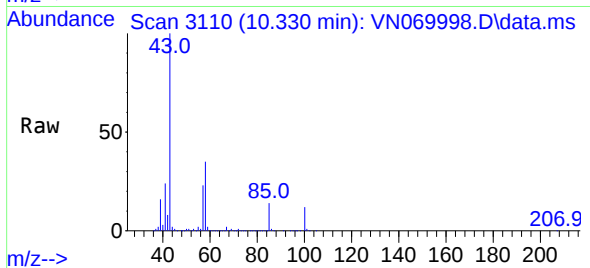
#51
4-Methyl-2-Pentanone
Concen: 261.246 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 535753
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6

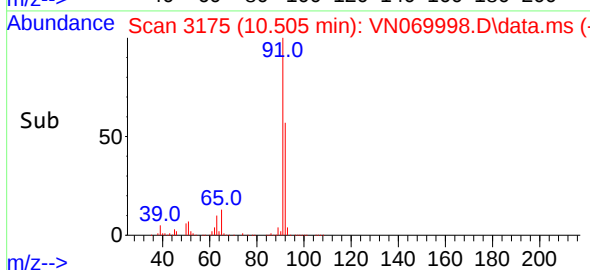
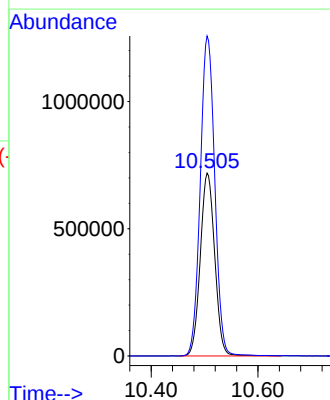
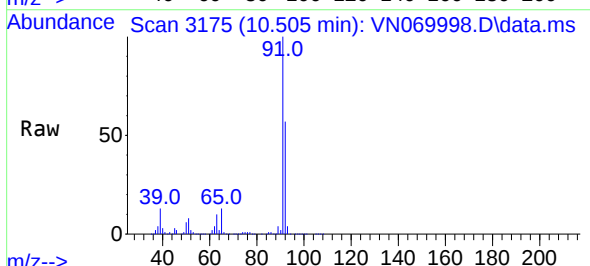
Manual Integrations
APPROVED

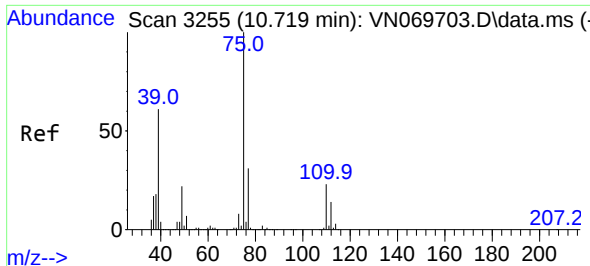
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#52
Toluene
Concen: 50.158 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion: 92 Resp: 1343402
Ion Ratio Lower Upper
92 100
91 176.1 142.0 213.0





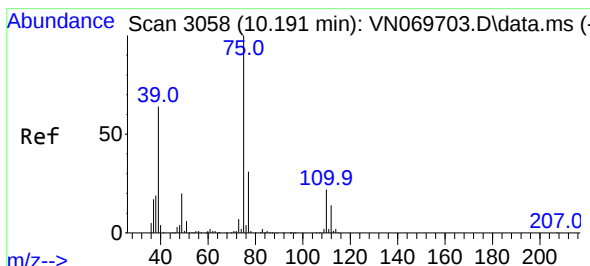
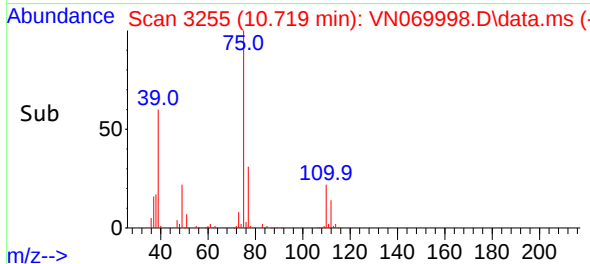
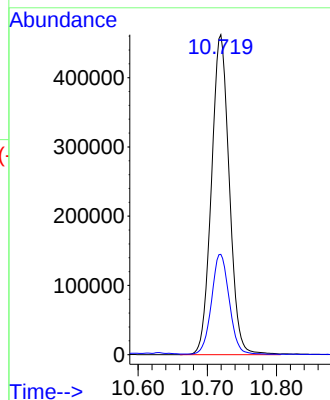
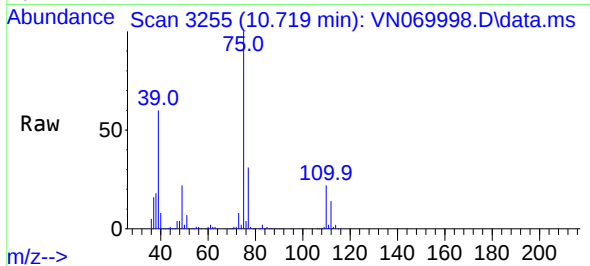
#53
t-1,3-Dichloropropene
Concen: 47.148 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 826694
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4

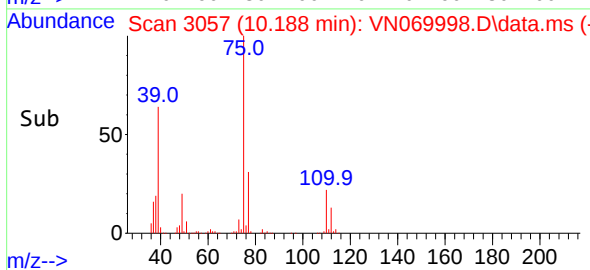
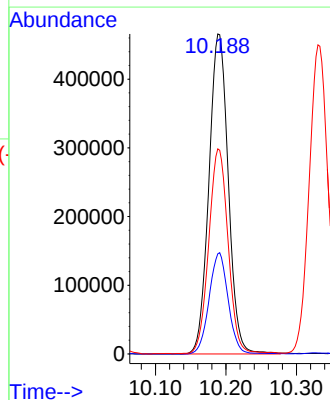
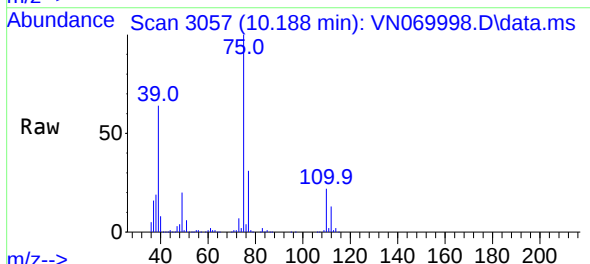
Manual Integrations
APPROVED

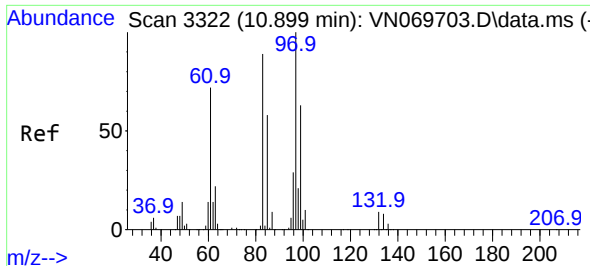
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#54
cis-1,3-Dichloropropene
Concen: 48.246 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

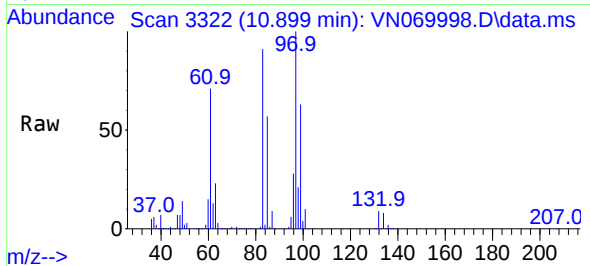
Tgt Ion: 75 Resp: 889639
Ion Ratio Lower Upper
75 100
77 31.3 26.4 39.6
39 64.0 42.5 63.7#





#55
1,1,2-Trichloroethane
Concen: 50.807 ug/l
RT: 10.899 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

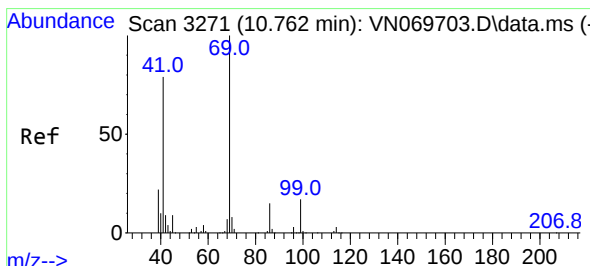
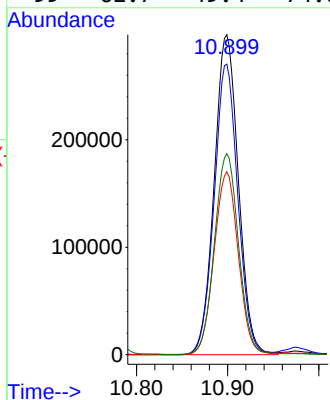
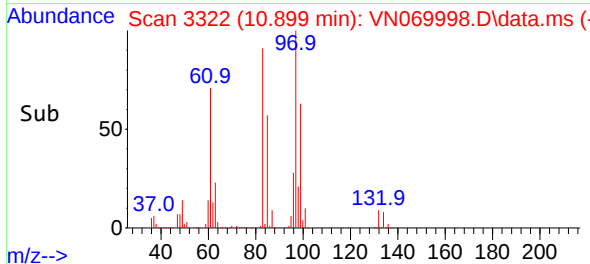
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



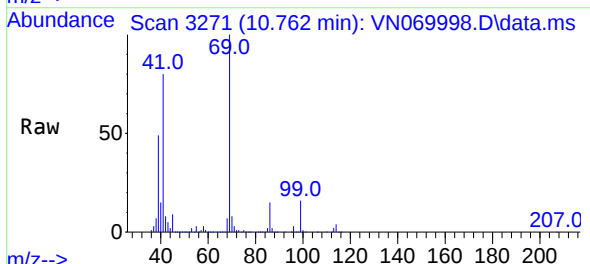
Tgt Ion: 97 Resp: 549040
Ion Ratio Lower Upper
97 100
83 90.8 67.8 101.6
85 57.1 45.4 68.2
99 62.7 49.4 74.0

Manual Integrations
APPROVED

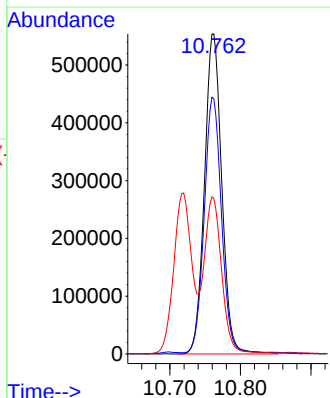
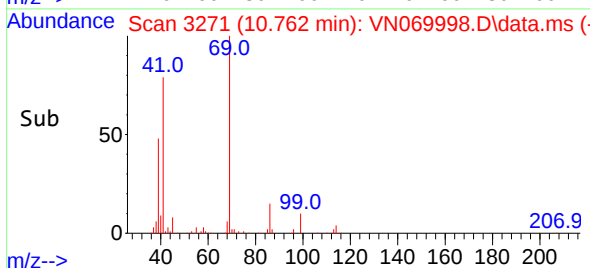
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

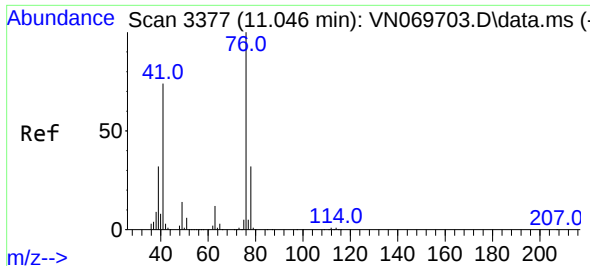


#56
Ethyl methacrylate
Concen: 46.458 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion: 69 Resp: 943839
Ion Ratio Lower Upper
69 100
41 79.3 51.4 77.0#
39 48.5 34.6 52.0





#57

1,3-Dichloropropane

Concen: 51.186 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.003 min

Lab File: VN069998.D

Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 97396

Ion Ratio Lower Upper

76 100

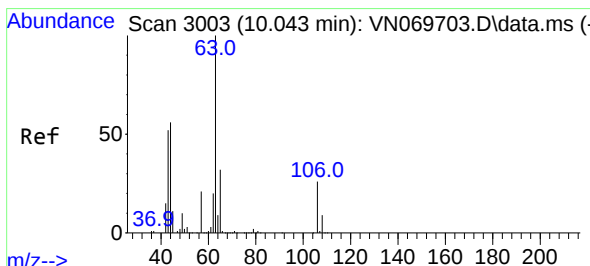
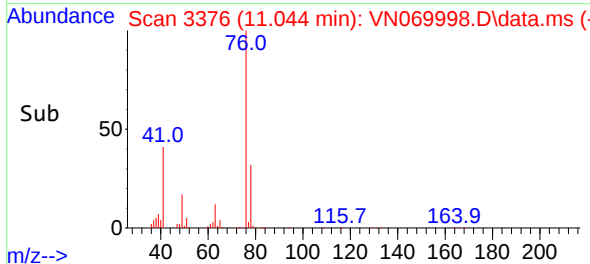
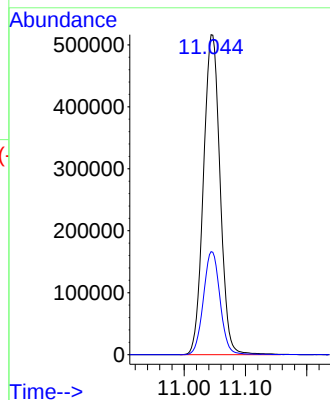
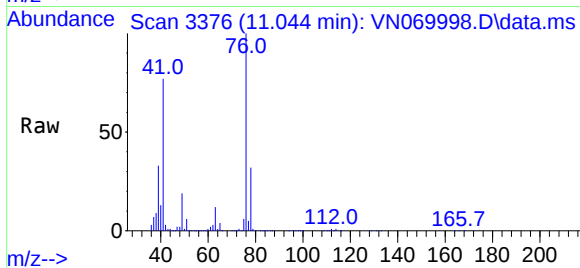
78 32.2 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2021

Supervised By :Amit Patel 12/14/2021



#58

2-Chloroethyl Vinyl ether

Concen: 238.855 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.002 min

Lab File: VN069998.D

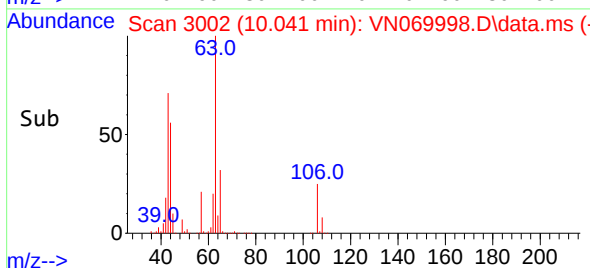
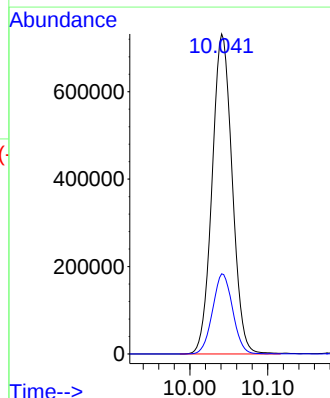
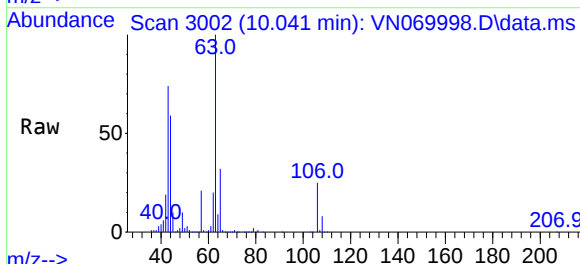
Acq: 11 Dec 2021 9:49

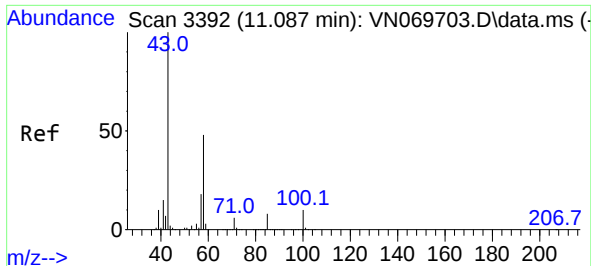
Tgt Ion: 63 Resp: 1310339

Ion Ratio Lower Upper

63 100

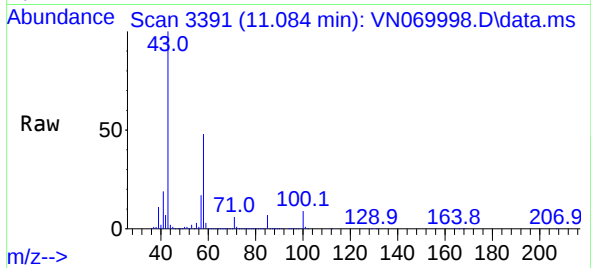
106 25.0 23.9 35.9





#59
2-Hexanone
Concen: 249.312 ug/l
RT: 11.084 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

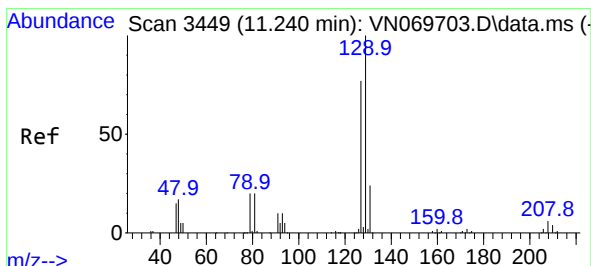
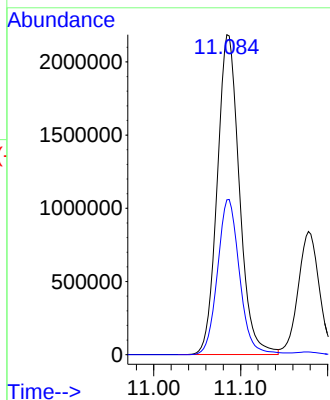
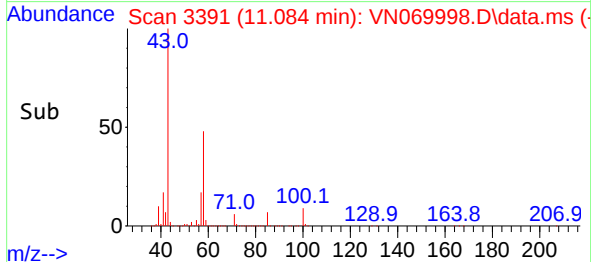
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 3867668
Ion Ratio Lower Upper
43 100
58 48.3 26.9 80.7

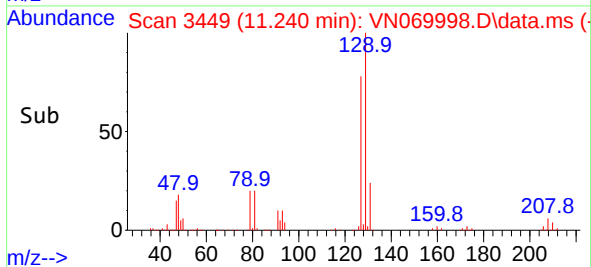
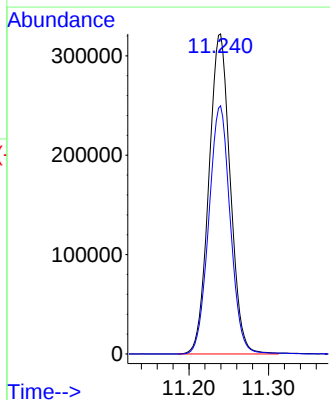
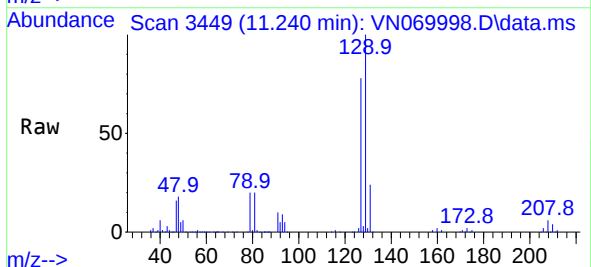
Manual Integrations
APPROVED

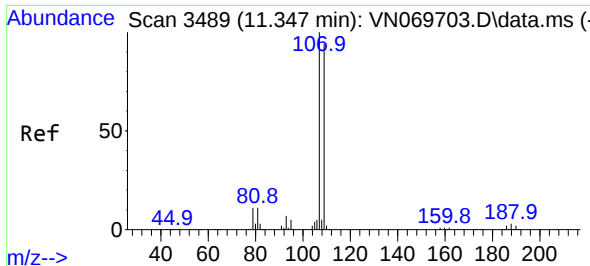
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#60
Dibromochloromethane
Concen: 51.820 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion:129 Resp: 601058
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61
1,2-Dibromoethane
Concen: 50.385 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

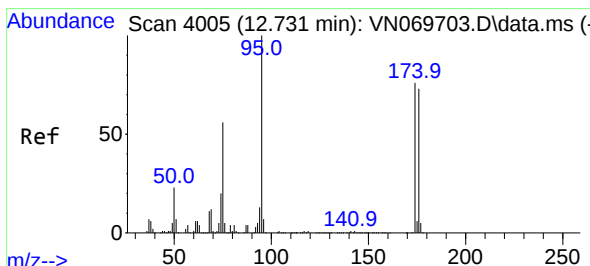
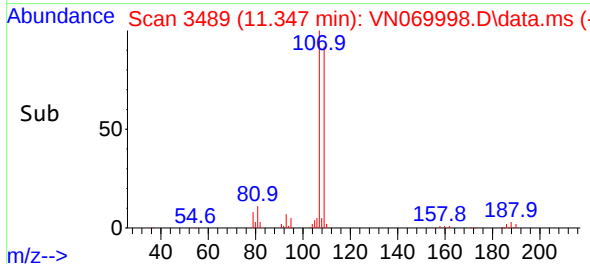
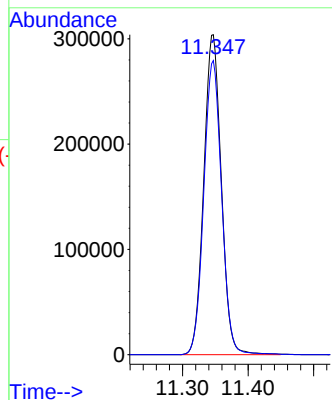
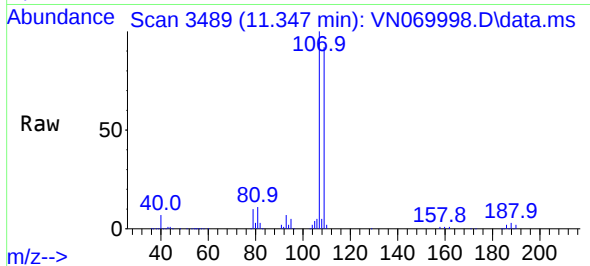
VSTDCCC050EC

Tgt Ion:107 Resp: 56396
Ion Ratio Lower Upper
107 100
109 93.5 75.7 113.5

Manual Integrations

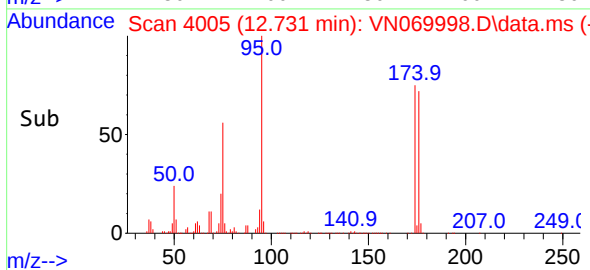
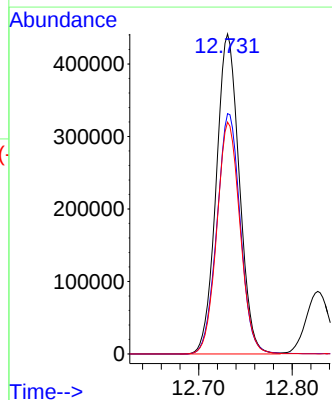
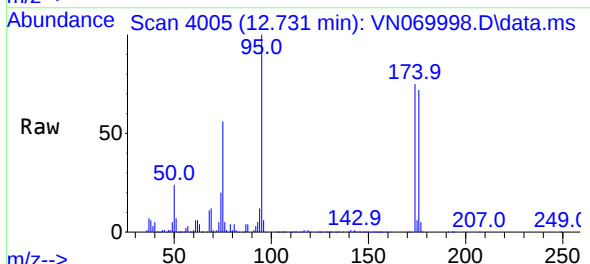
APPROVED

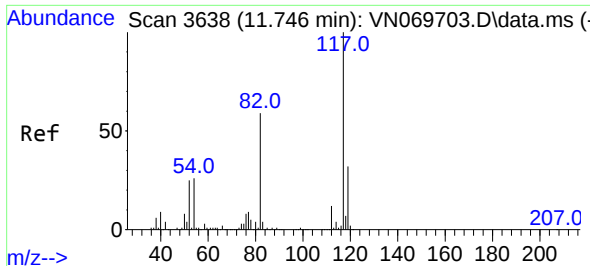
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#62
4-Bromofluorobenzene
Concen: 55.097 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

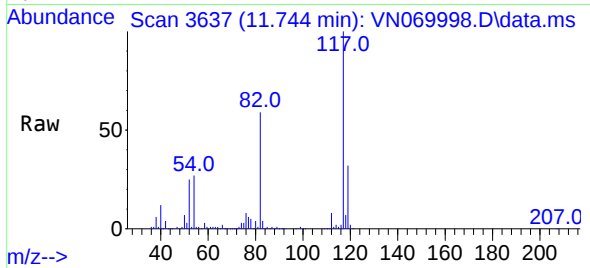
Tgt Ion: 95 Resp: 756892
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.1 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

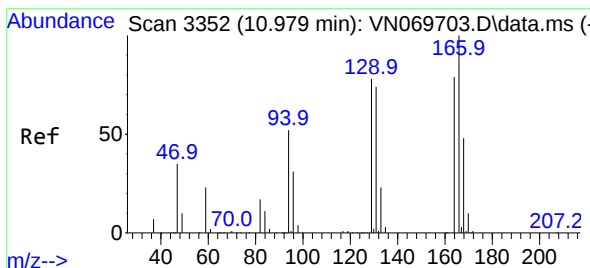
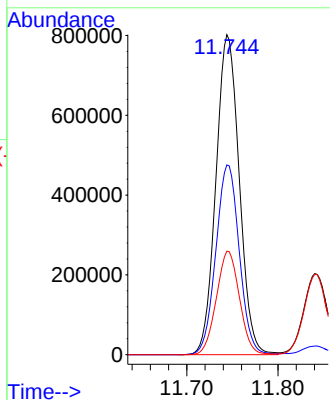
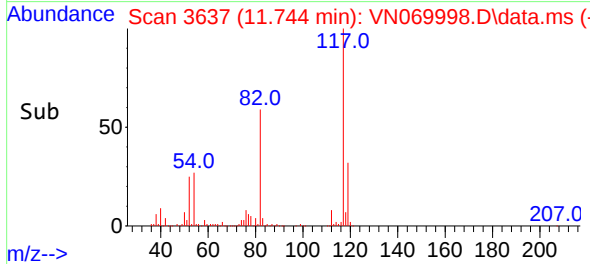
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



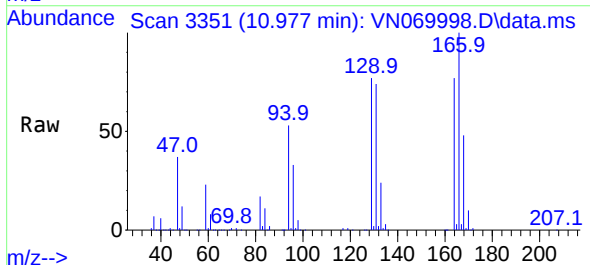
Tgt Ion:117 Resp: 142780
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.3 25.4 38.2

Manual Integrations
APPROVED

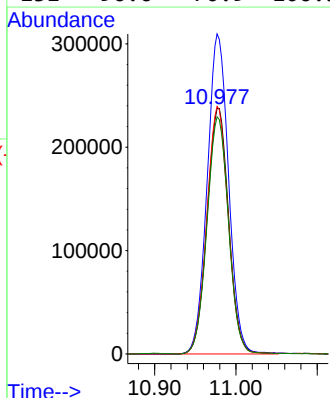
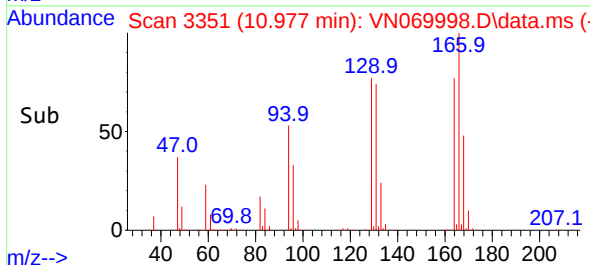
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

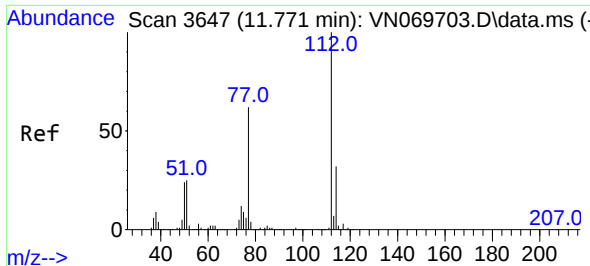


#64
Tetrachloroethene
Concen: 45.463 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion:164 Resp: 440151
Ion Ratio Lower Upper
164 100
166 130.4 101.9 152.9
129 100.8 72.0 108.0
131 96.6 70.9 106.3





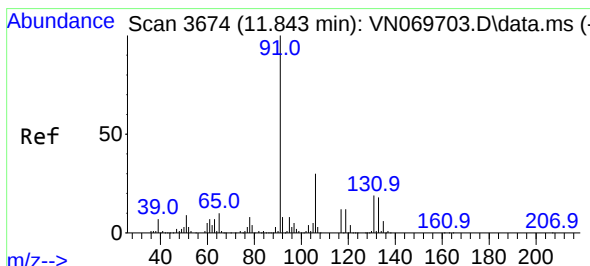
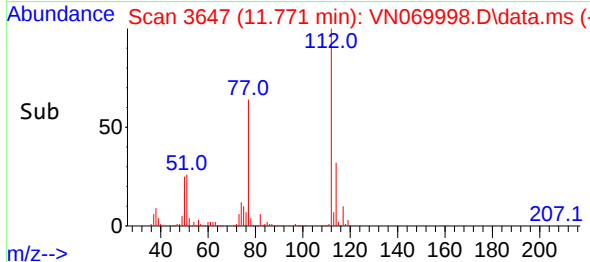
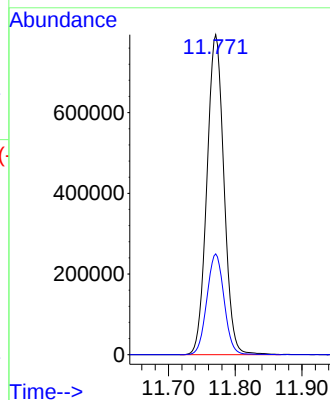
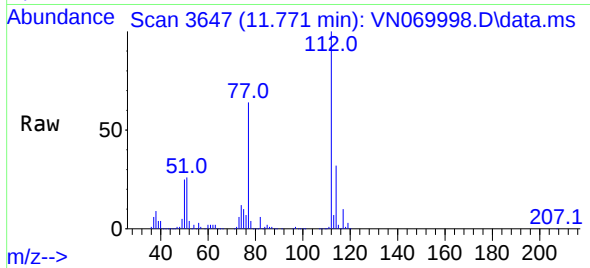
#65
Chlorobenzene
Concen: 48.613 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 1408118
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

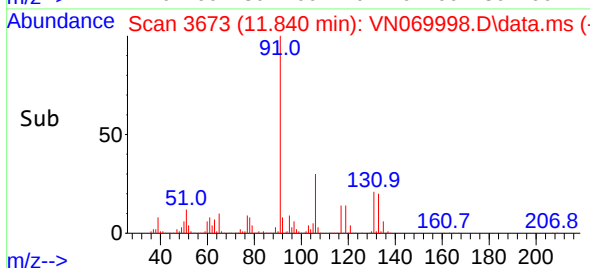
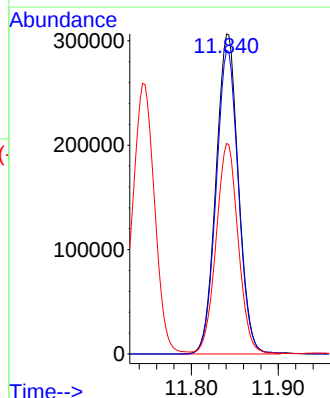
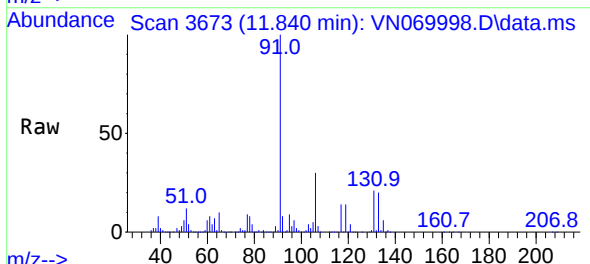
Manual Integrations
APPROVED

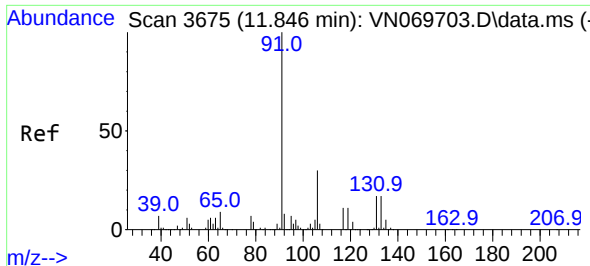
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 53.836 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

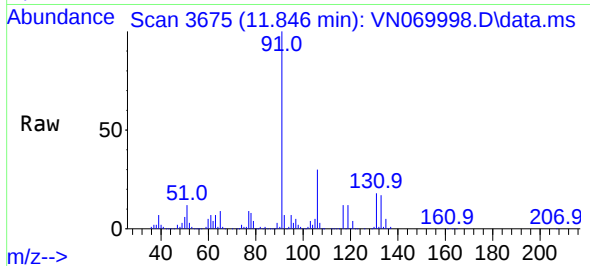
Tgt Ion:131 Resp: 548863
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.7
119 64.9 32.1 96.5





#67
Ethyl Benzene
Concen: 50.538 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

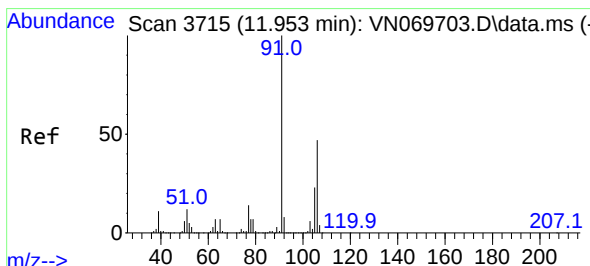
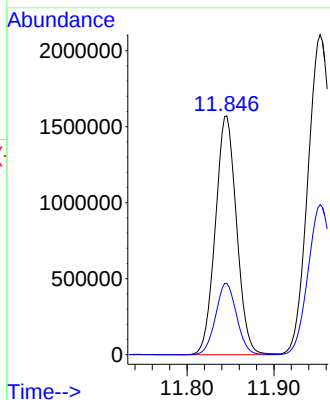
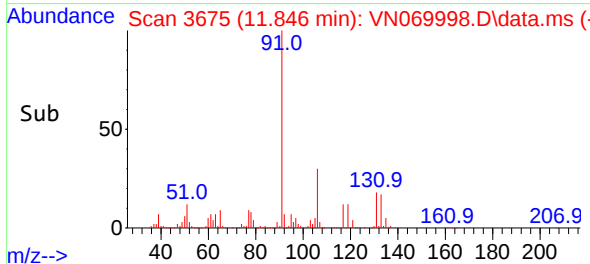
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



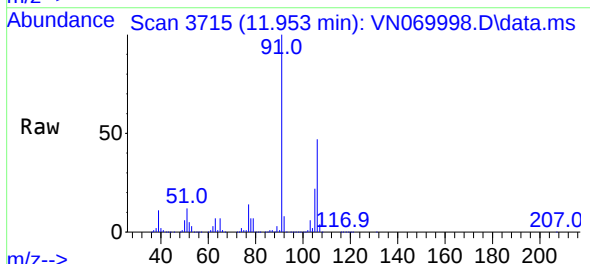
Tgt Ion: 91 Resp: 2659090
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5

Manual Integrations
APPROVED

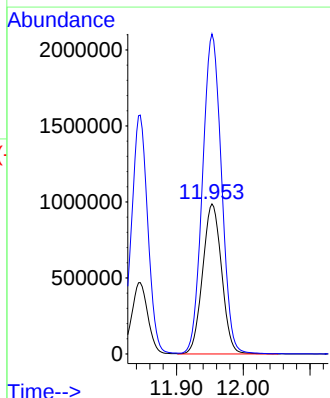
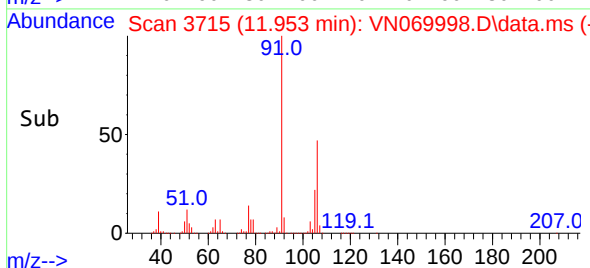
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

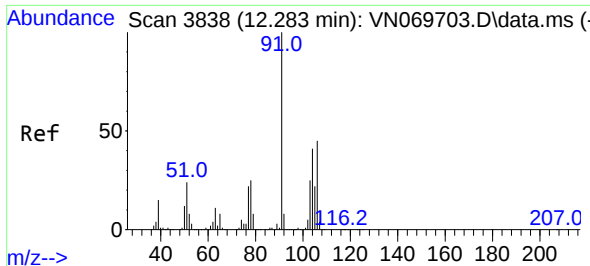


#68
m/p-Xylenes
Concen: 101.573 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



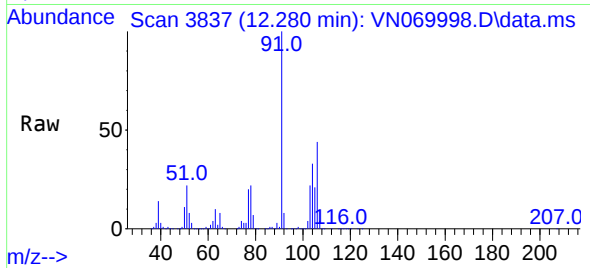
Tgt Ion:106 Resp: 1945926
Ion Ratio Lower Upper
106 100
91 213.5 160.6 240.8





#69
o-Xylene
Concen: 50.307 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

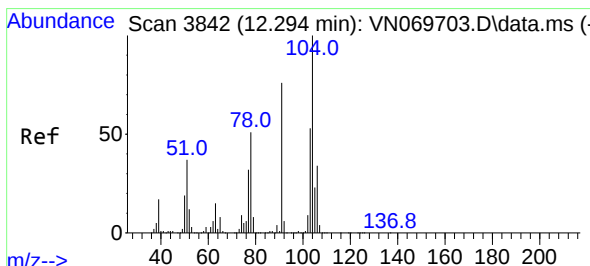
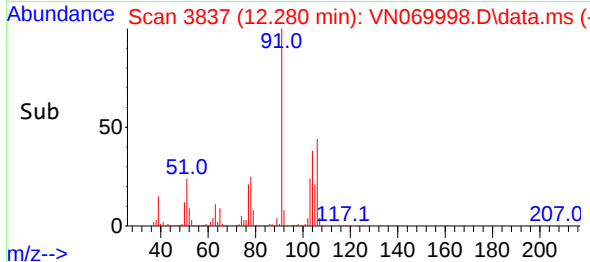
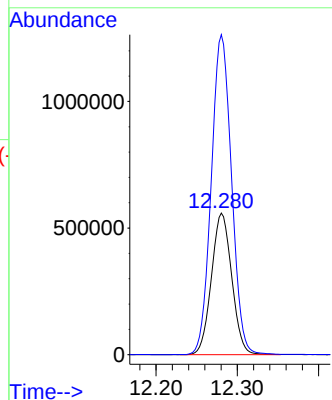
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:106 Resp: 970791
Ion Ratio Lower Upper
106 100
91 225.7 105.8 317.3

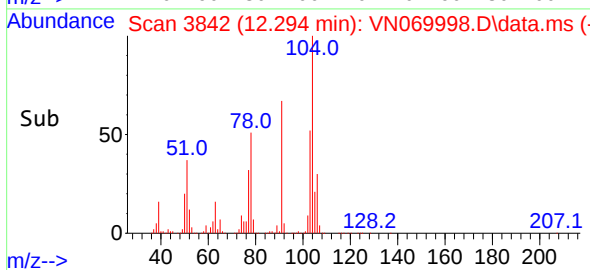
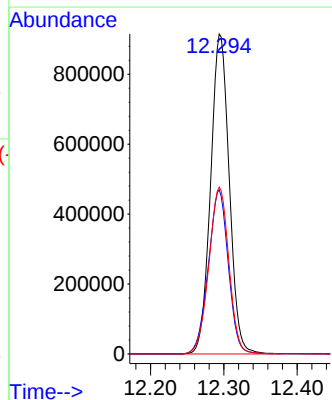
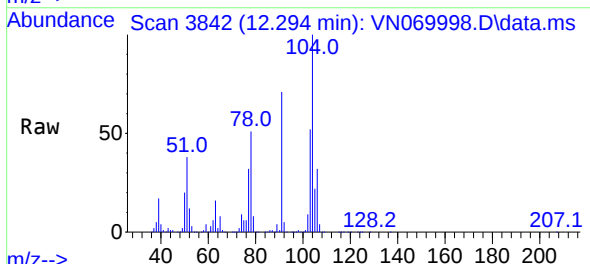
Manual Integrations
APPROVED

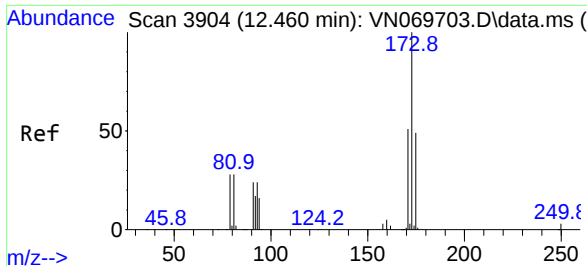
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#70
Styrene
Concen: 52.803 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion:104 Resp: 1615749
Ion Ratio Lower Upper
104 100
78 55.0 38.7 58.1
103 56.1 45.0 67.6





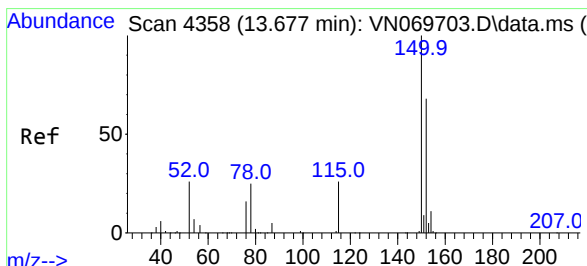
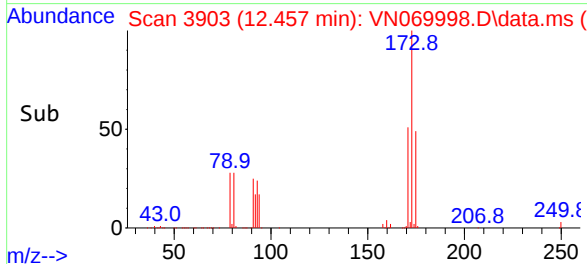
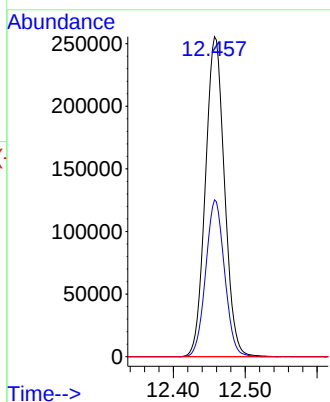
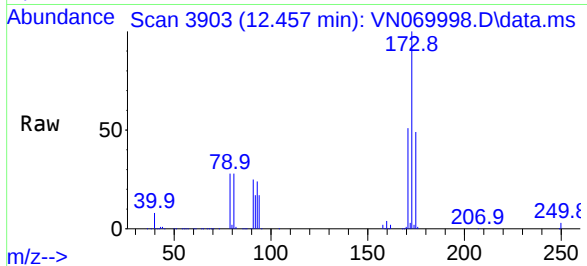
#71
Bromoform
Concen: 53.879 ug/l
RT: 12.457 min Scan# 3904
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 47177
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.0 0.0 0.0

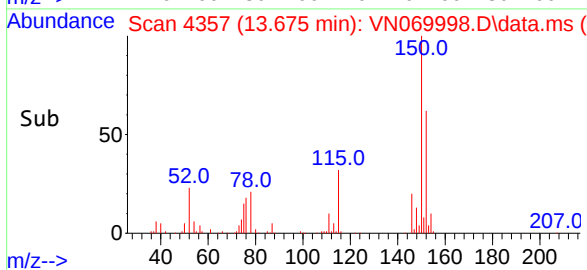
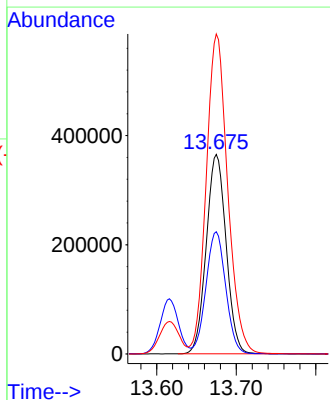
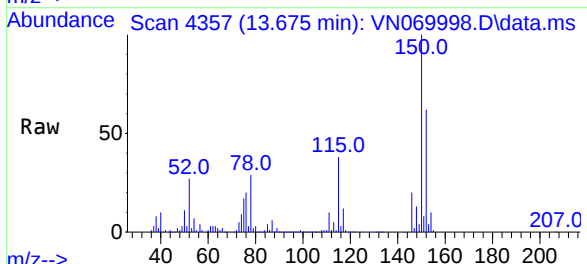
Manual Integrations
APPROVED

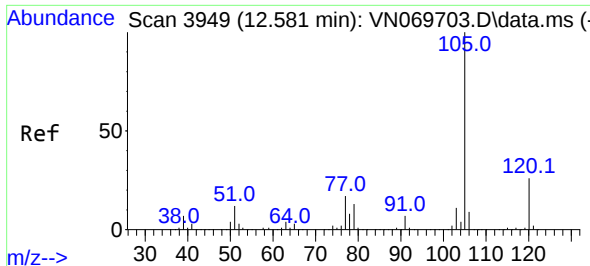
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Tgt Ion:152 Resp: 634427
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 172.9 0.0 344.4





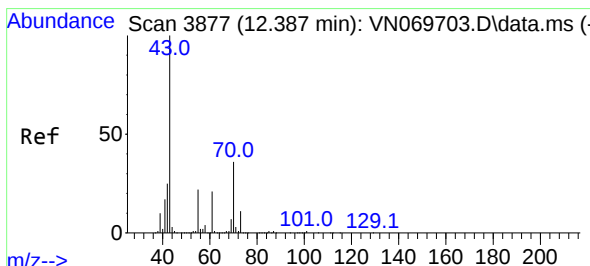
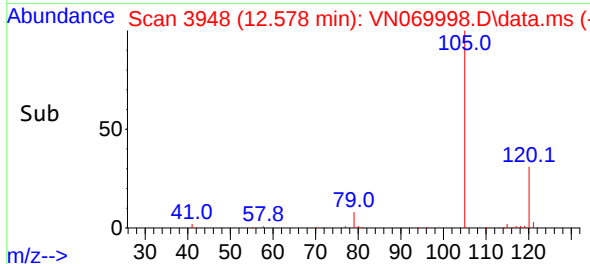
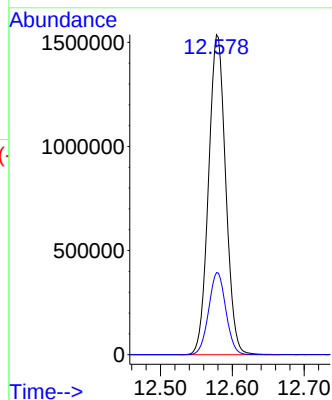
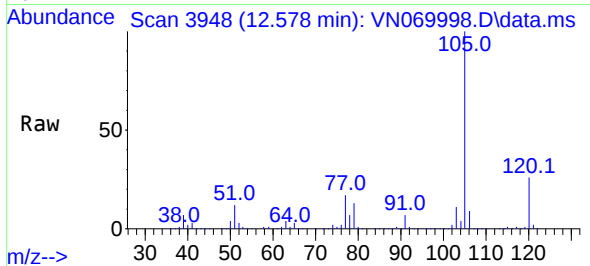
#73
Isopropylbenzene
Concen: 45.140 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 2547962
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

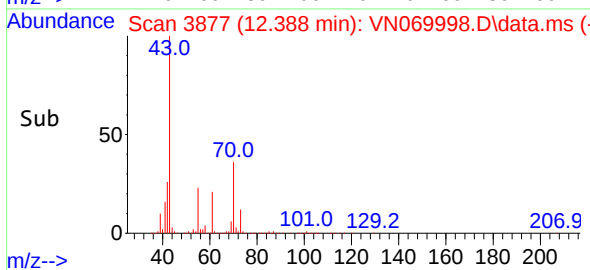
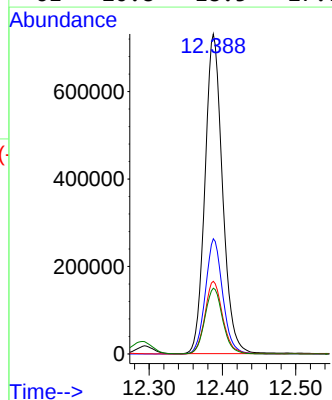
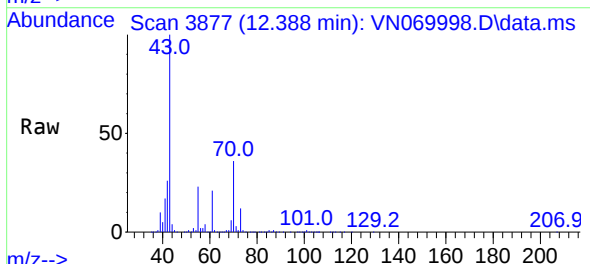
Manual Integrations
APPROVED

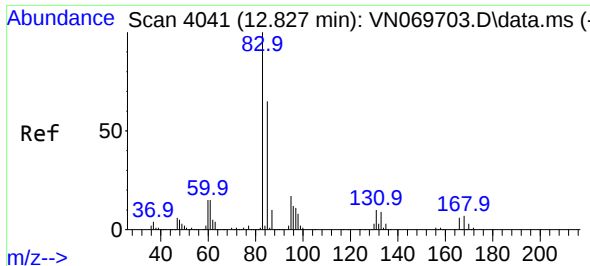
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#74
N-ethyl acetate
Concen: 48.681 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

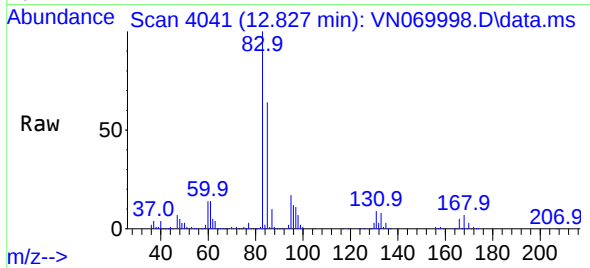
Tgt Ion: 43 Resp: 1215224
Ion Ratio Lower Upper
43 100
70 35.6 33.4 50.0
55 23.0 19.3 28.9
61 20.8 18.5 27.7





#75
1,1,2,2-Tetrachloroethane
Concen: 46.153 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

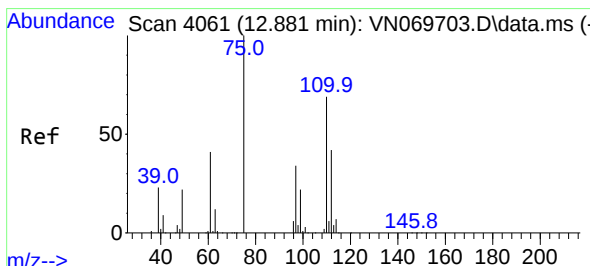
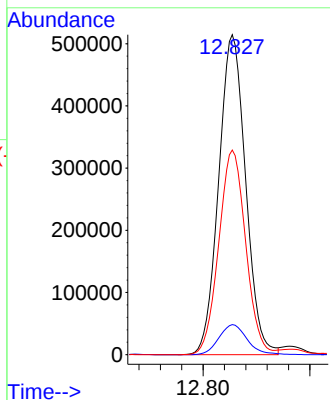
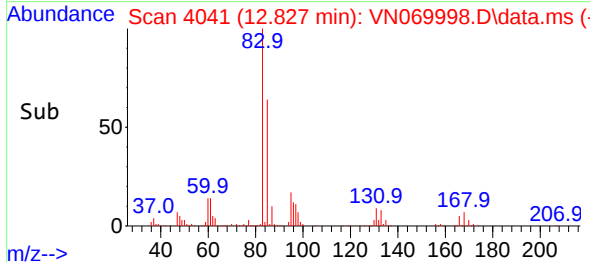
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



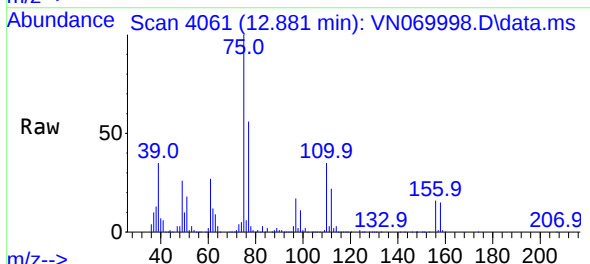
Tgt Ion: 83 Resp: 90086
Ion Ratio Lower Upper
83 100
131 9.8 5.5 16.5
85 64.0 32.4 97.2

Manual Integrations
APPROVED

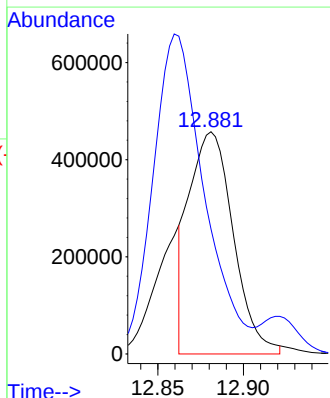
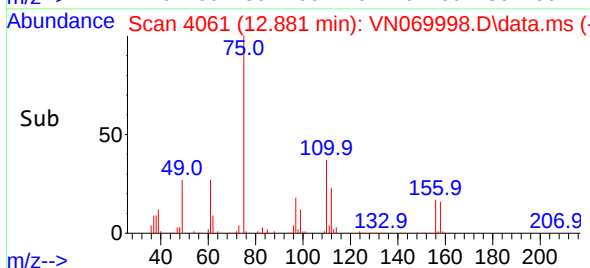
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

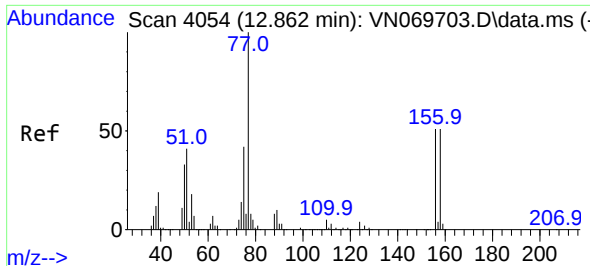


#76
1,2,3-Trichloropropane
Concen: 45.198 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



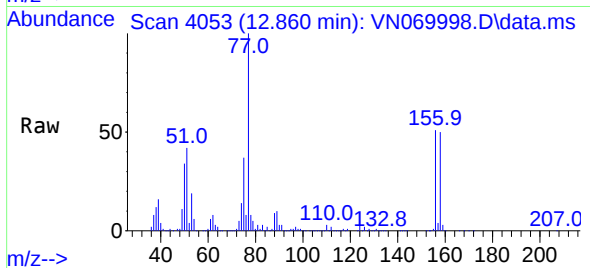
Tgt Ion: 75 Resp: 822319
Ion Ratio Lower Upper
75 100
77 0.0 82.6 247.8#





#77
Bromobenzene
Concen: 44.684 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

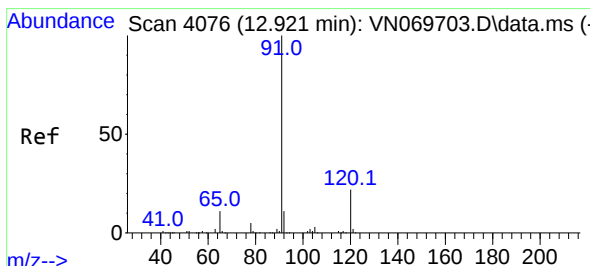
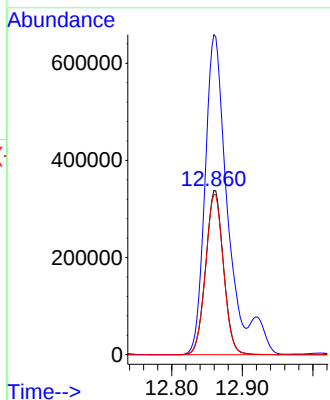
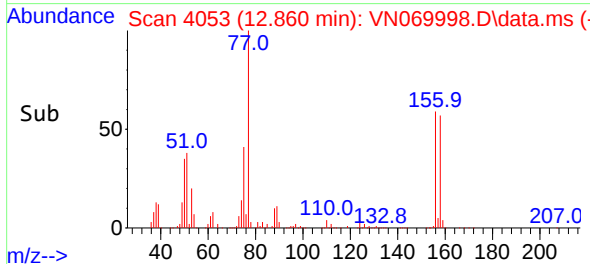
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



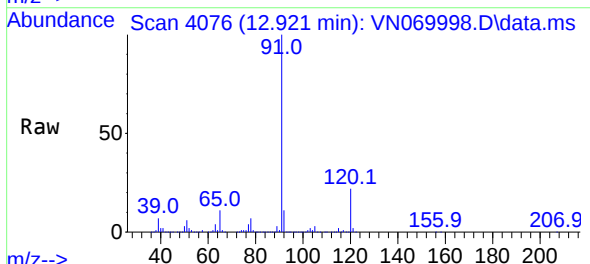
Tgt Ion:156 Resp: 592442
Ion Ratio Lower Upper
156 100
77 232.0 90.6 271.8
158 98.3 48.9 146.7

Manual Integrations
APPROVED

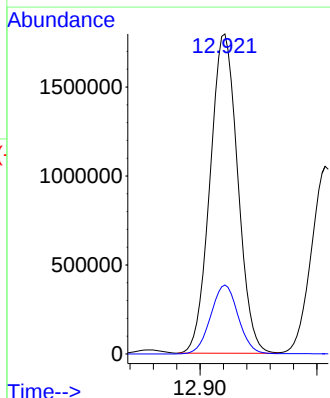
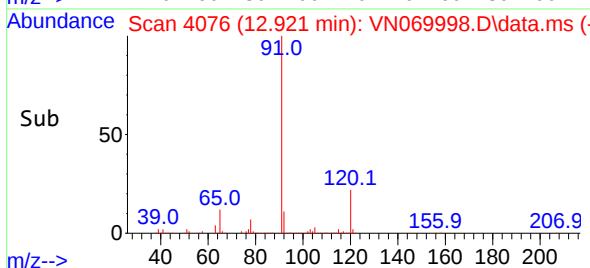
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

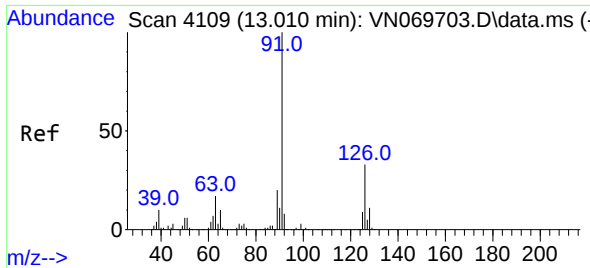


#78
n-propylbenzene
Concen: 46.994 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion: 91 Resp: 2951816
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9





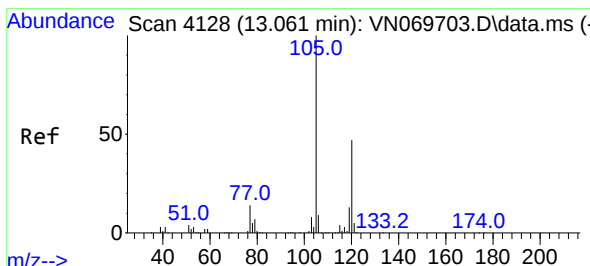
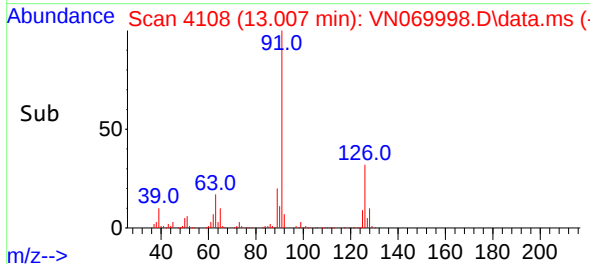
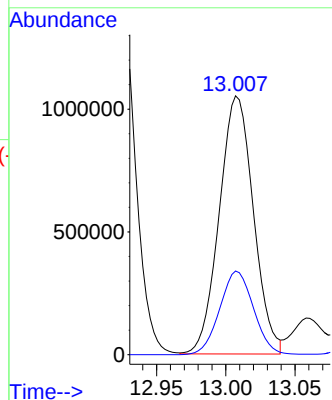
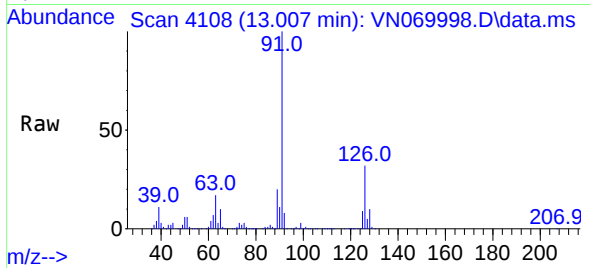
#79
2-Chlorotoluene
Concen: 45.511 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 180631
Ion Ratio Lower Upper
91 100
126 32.1 18.3 54.8

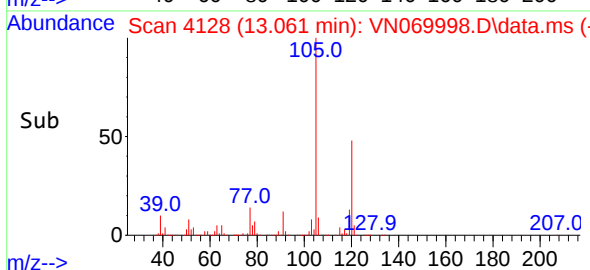
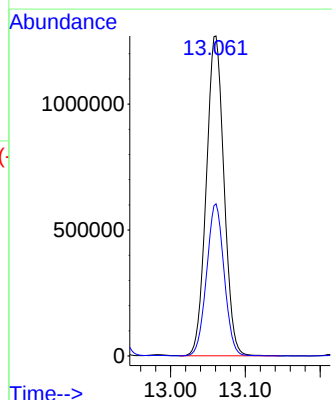
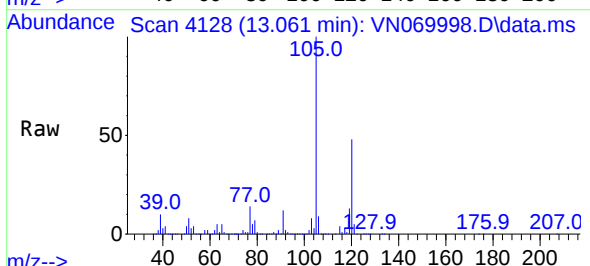
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#80
1,3,5-Trimethylbenzene
Concen: 45.956 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

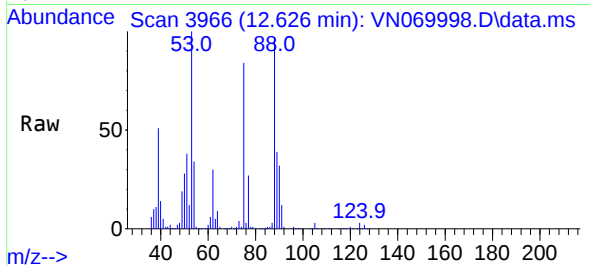
Tgt Ion:105 Resp: 2087904
Ion Ratio Lower Upper
105 100
120 47.2 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 44.789 ug/l
RT: 12.626 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

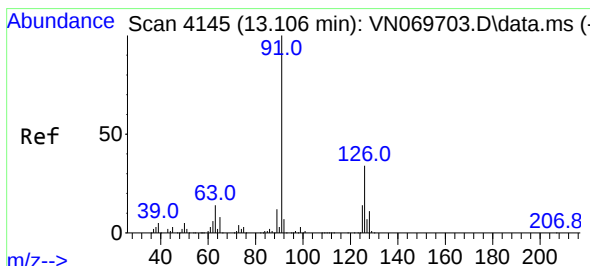
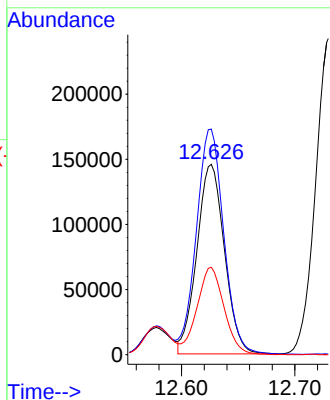
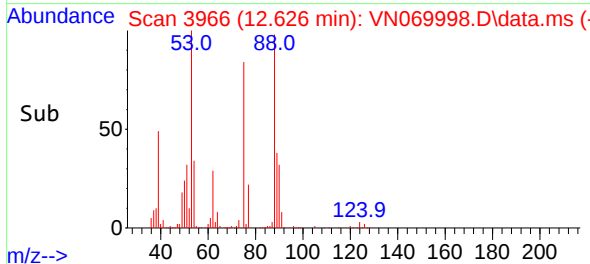
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



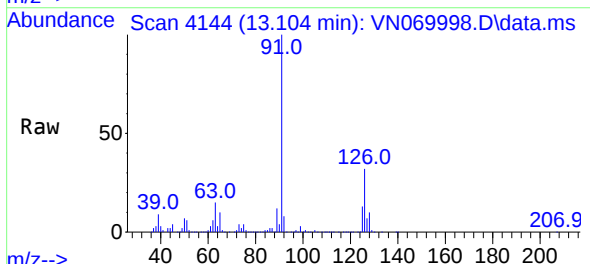
Tgt Ion: 75 Resp: 246419
Ion Ratio Lower Upper
75 100
53 119.0 90.5 135.7
89 45.1 38.2 57.4

Manual Integrations
APPROVED

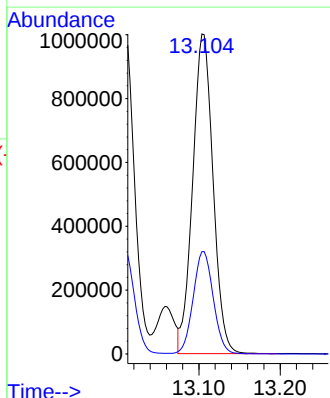
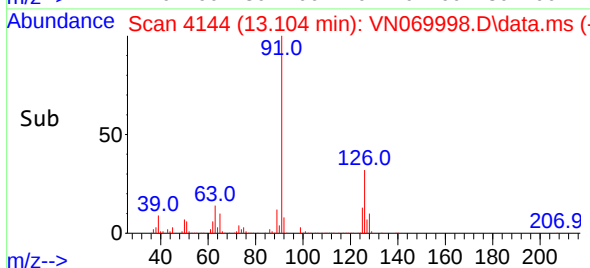
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#82
4-Chlorotoluene
Concen: 46.619 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



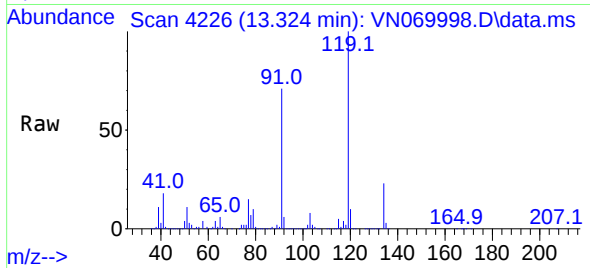
Tgt Ion: 91 Resp: 1740051
Ion Ratio Lower Upper
91 100
126 31.5 18.2 54.6





#83
tert-Butylbenzene
Concen: 45.325 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

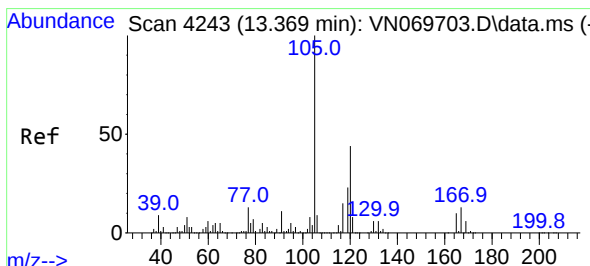
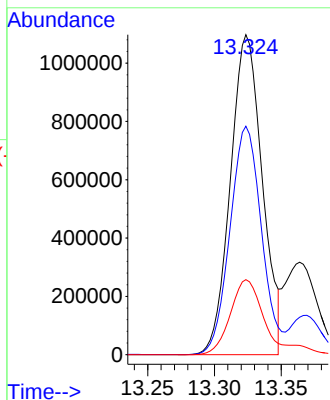
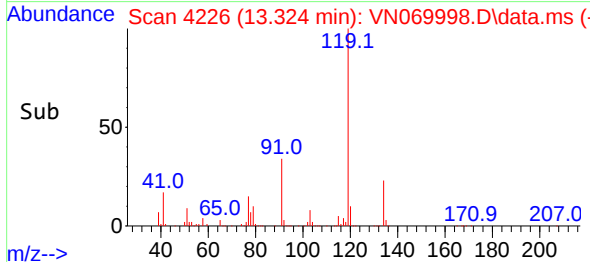
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



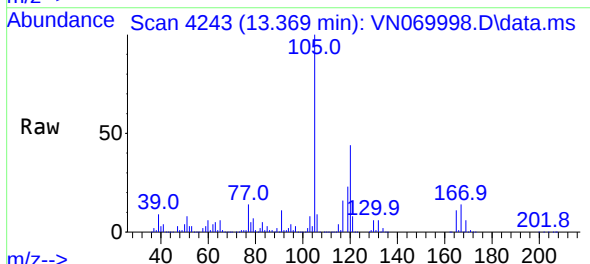
Tgt Ion:119 Resp: 1823392
Ion Ratio Lower Upper
119 100
91 71.1 31.5 94.5
134 26.0 12.4 37.4

Manual Integrations
APPROVED

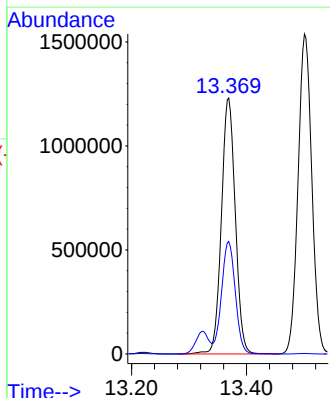
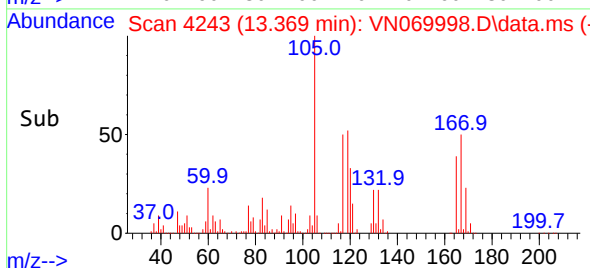
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

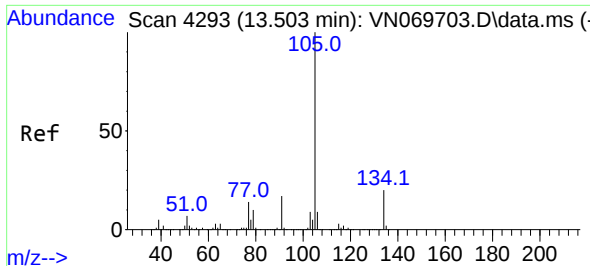


#84
1,2,4-Trimethylbenzene
Concen: 47.676 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion:105 Resp: 2062843
Ion Ratio Lower Upper
105 100
120 43.6 22.8 68.4





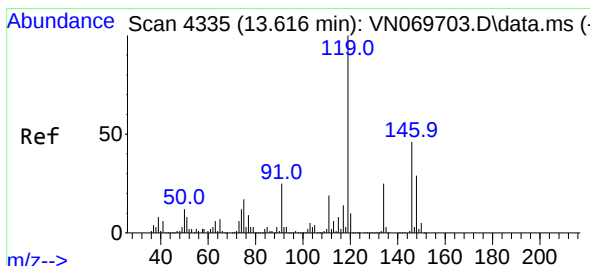
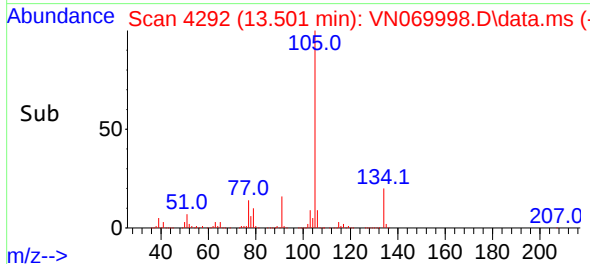
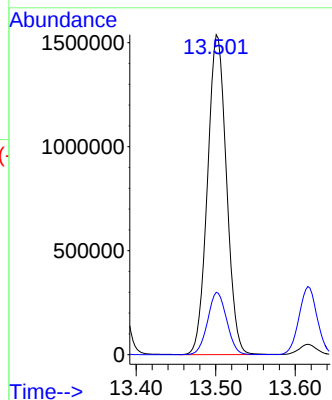
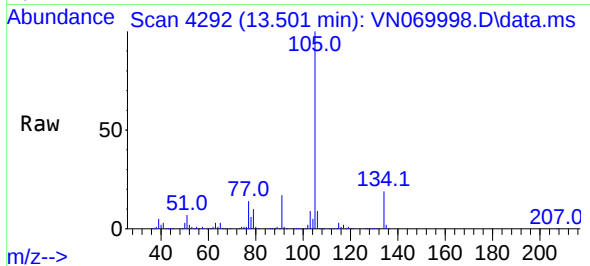
#85
 sec-Butylbenzene
 Concen: 46.678 ug/l
 RT: 13.501 min Scan# 4293
 Delta R.T. -0.003 min
 Lab File: VN069998.D
 Acq: 11 Dec 2021 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 2547079
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.4 31.1

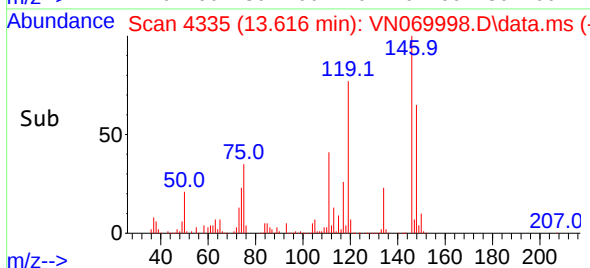
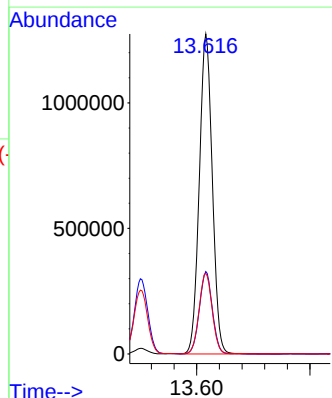
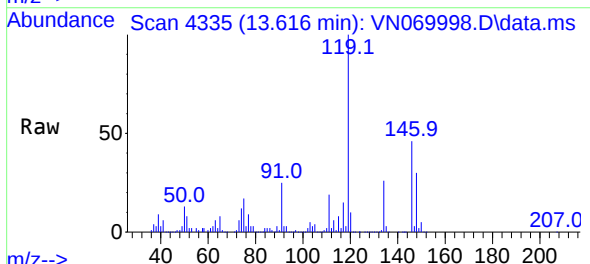
Manual Integrations
 APPROVED

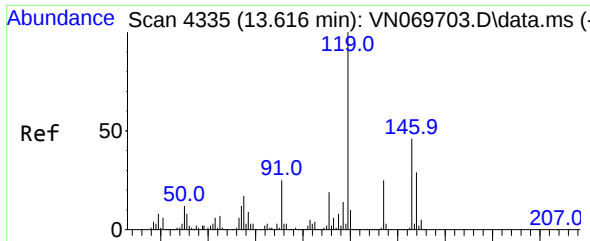
Reviewed By :John Carlone 12/13/2021
 Supervised By :Amit Patel 12/14/2021



#86
 p-Isopropyltoluene
 Concen: 47.563 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN069998.D
 Acq: 11 Dec 2021 9:49

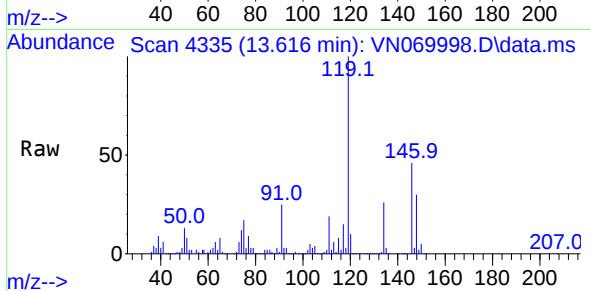
Tgt Ion:119 Resp: 2028694
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.6 40.7
 91 25.2 11.4 34.1





#87
1,3-Dichlorobenzene
Concen: 46.527 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

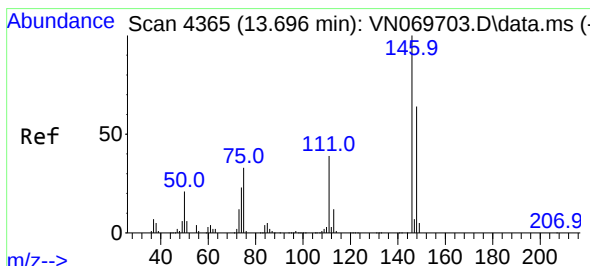
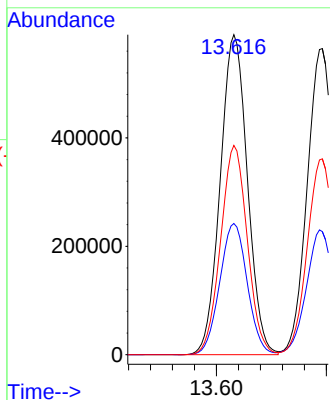
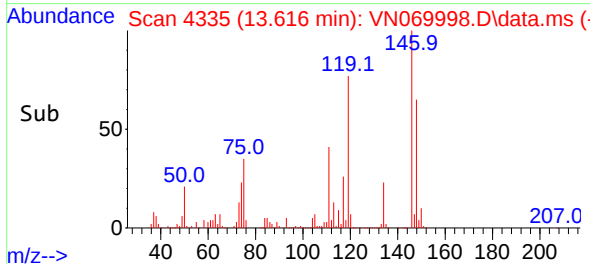
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



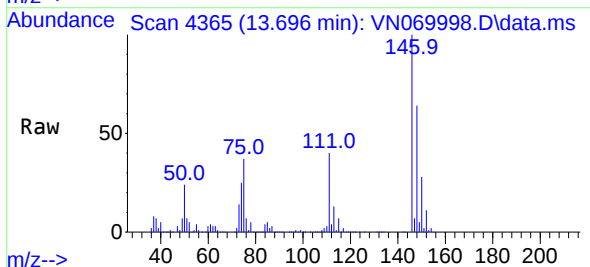
Tgt Ion:146 Resp: 101343
Ion Ratio Lower Upper
146 100
111 41.6 18.6 55.6
148 64.3 31.6 95.0

Manual Integrations
APPROVED

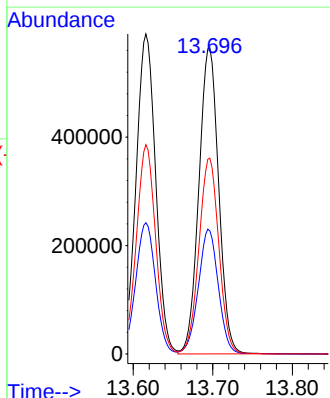
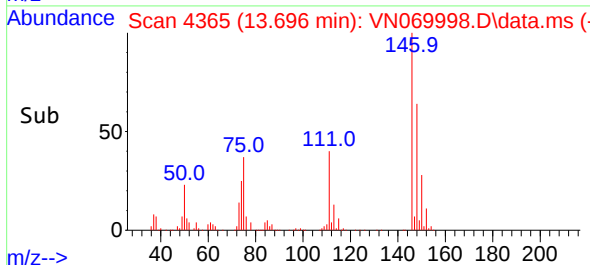
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#88
1,4-Dichlorobenzene
Concen: 45.607 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



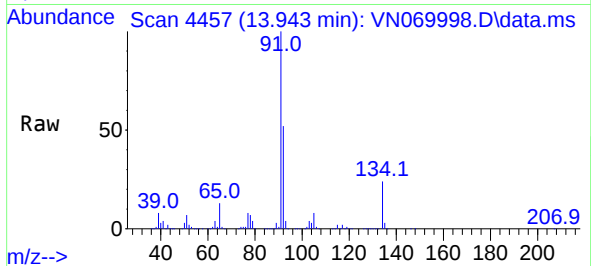
Tgt Ion:146 Resp: 976240
Ion Ratio Lower Upper
146 100
111 40.9 18.3 54.8
148 64.3 31.8 95.4





#89
n-Butylbenzene
Concen: 47.462 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

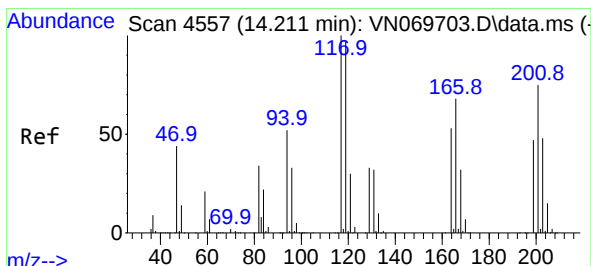
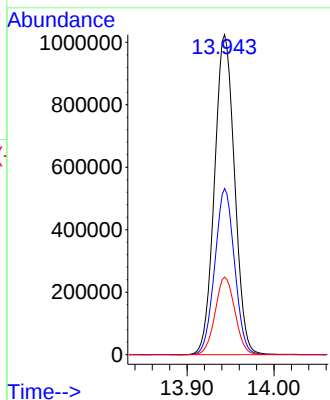
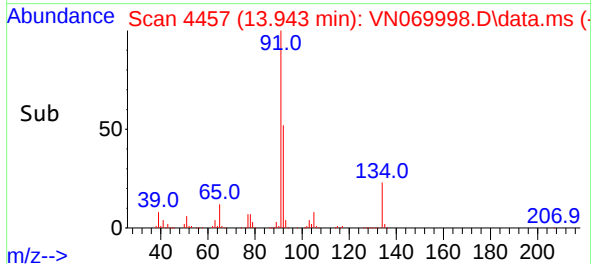
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 91 Resp: 1642180
Ion Ratio Lower Upper
91 100
92 51.1 25.4 76.0
134 24.0 13.6 40.8

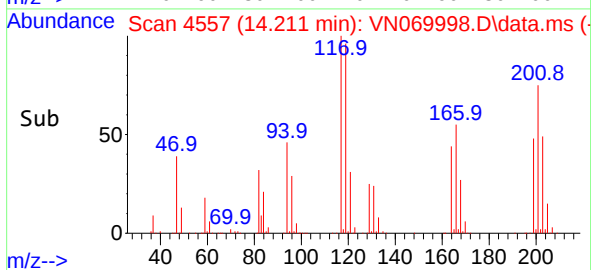
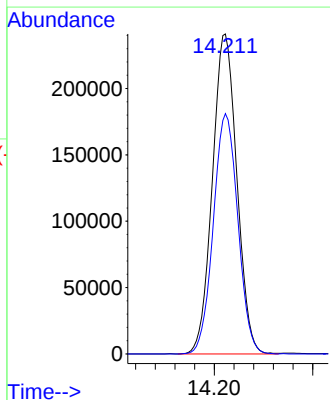
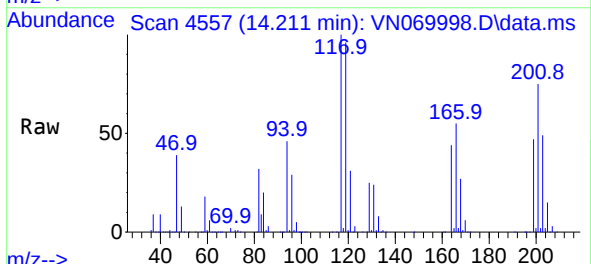
Manual Integrations
APPROVED

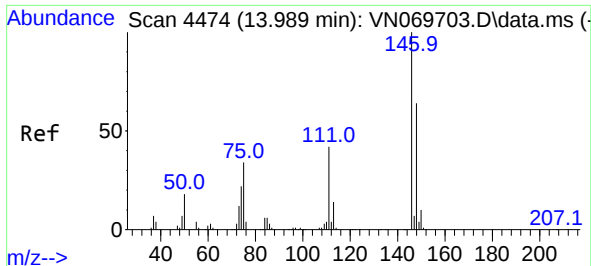
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#90
Hexachloroethane
Concen: 55.614 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

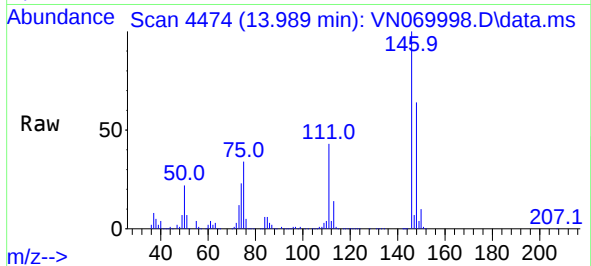
Tgt Ion:117 Resp: 416472
Ion Ratio Lower Upper
117 100
201 75.2 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 46.395 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

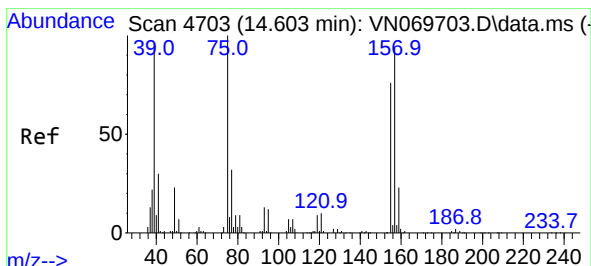
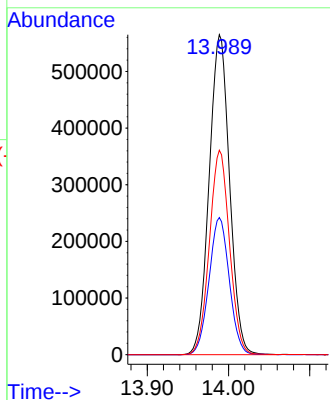
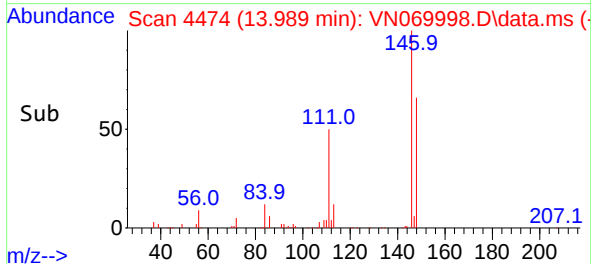
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



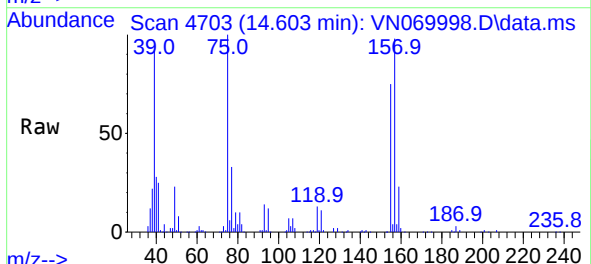
Tgt Ion:146 Resp: 98464
Ion Ratio Lower Upper
146 100
111 42.7 19.1 57.3
148 63.2 32.1 96.3

Manual Integrations
APPROVED

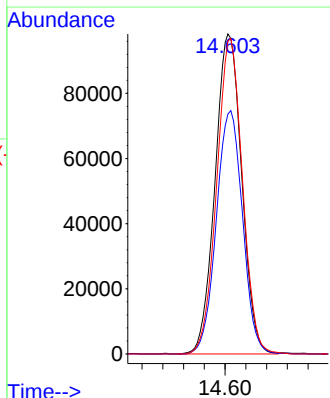
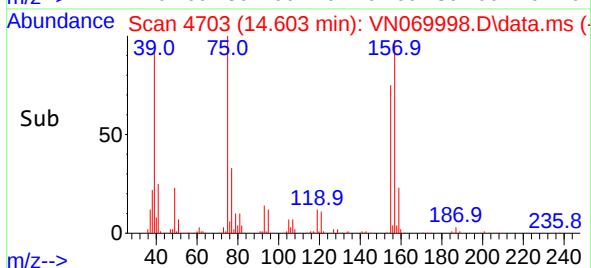
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.565 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



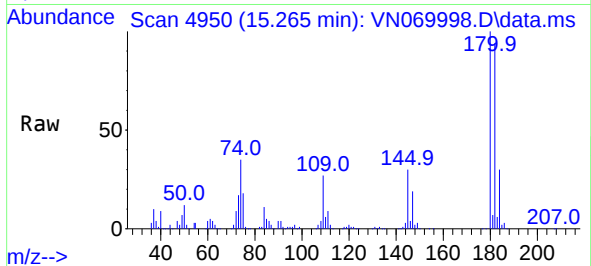
Tgt Ion: 75 Resp: 174821
Ion Ratio Lower Upper
75 100
155 75.1 46.9 140.7
157 95.2 60.6 181.7





#93
1,2,4-Trichlorobenzene
Concen: 42.669 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

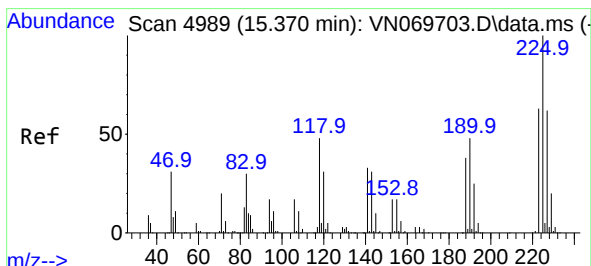
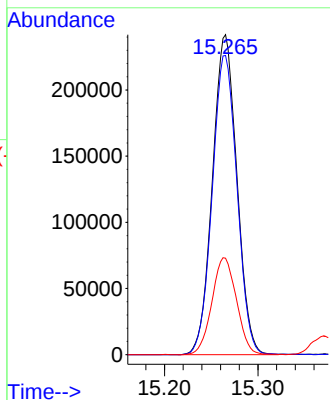
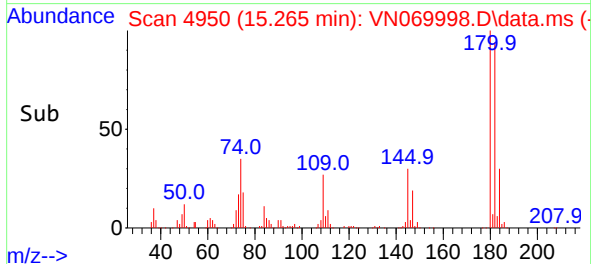
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



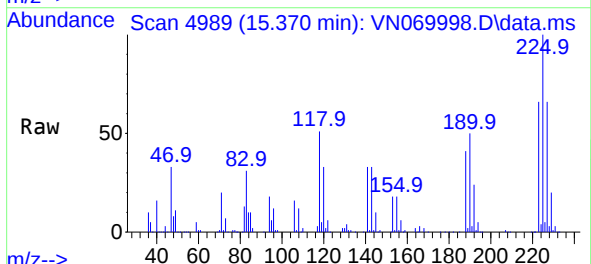
Tgt Ion:180 Resp: 439475
Ion Ratio Lower Upper
180 100
182 94.7 48.3 144.9
145 30.6 14.5 43.5

Manual Integrations
APPROVED

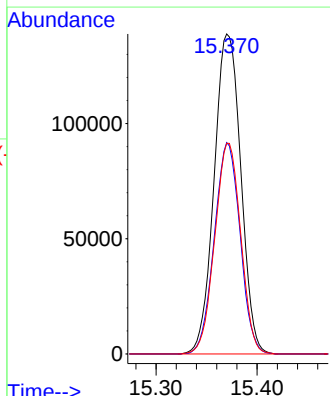
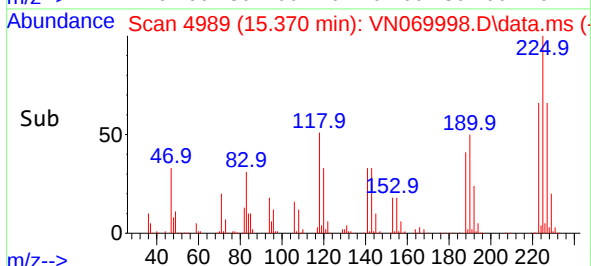
Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021

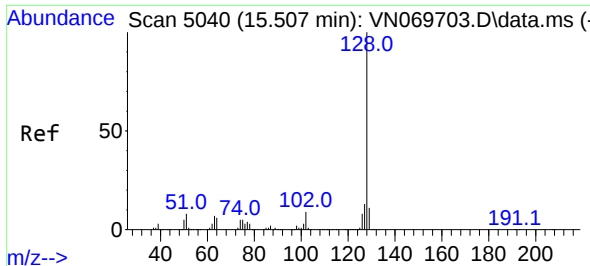


#94
Hexachlorobutadiene
Concen: 45.334 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



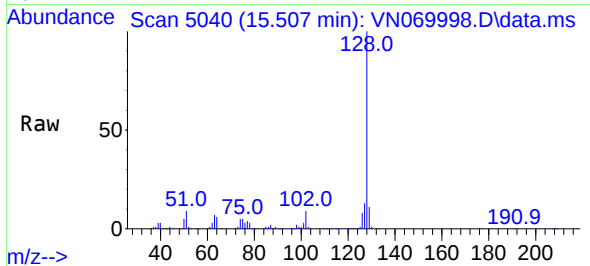
Tgt Ion:225 Resp: 254983
Ion Ratio Lower Upper
225 100
223 63.7 31.9 95.7
227 63.9 32.1 96.3





#95
Naphthalene
Concen: 39.418 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49

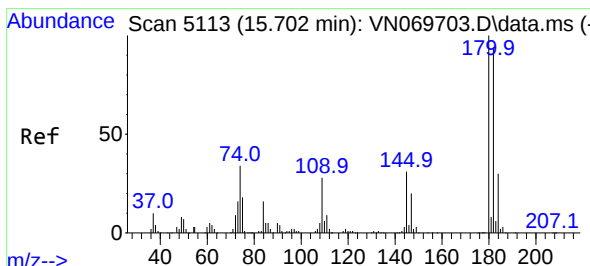
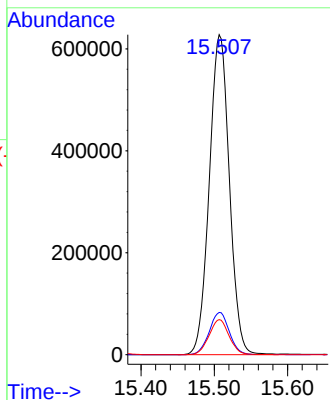
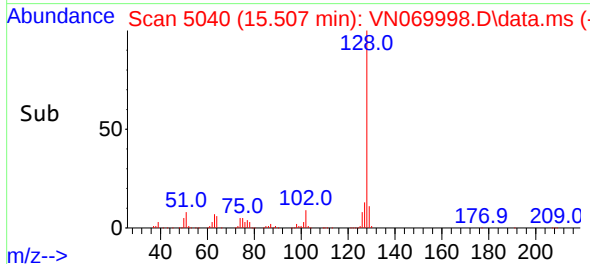
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



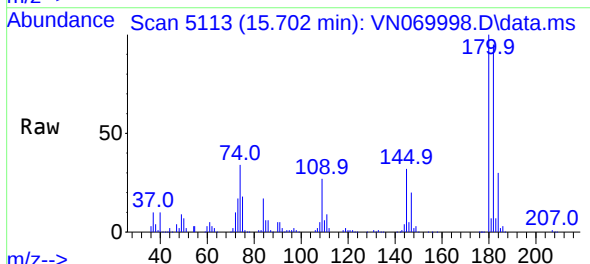
Tgt Ion:128 Resp: 1193720
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2021
Supervised By :Amit Patel 12/14/2021



#96
1,2,3-Trichlorobenzene
Concen: 43.168 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069998.D
Acq: 11 Dec 2021 9:49



Tgt Ion:180 Resp: 434367
Ion Ratio Lower Upper
180 100
182 94.4 47.4 142.2
145 32.6 15.0 45.1

