

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069144.D
 Acq On : 22 Oct 2021 19:49
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

Quant Time: Oct 23 07:56:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	53429	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	311670	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	282727	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	126854	30.483	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.600%			
60) 4-Bromofluorobenzene	12.734	95	141738	29.237	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.467%			
63) Toluene-d8	10.443	98	392030	30.690	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	75485	21.367	ug/l	97
3) Chloromethane	2.303	50	78579	21.395	ug/l	98
4) Vinyl Chloride	2.446	62	90985	20.782	ug/l	97
5) Bromomethane	2.861	94	59795	20.824	ug/l	100
6) Chloroethane	3.025	64	58214	20.513	ug/l	98
7) Trichlorofluoromethane	3.379	101	119358	21.054	ug/l	96
8) Diethyl Ether	3.827	74	43117	21.481	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.221	101	63812	20.718	ug/l	71
10) 1,1-Dichloroethene	4.189	96	62787	20.894	ug/l	93
11) Methyl Iodide	4.428	142	78466	18.571	ug/l	97
12) Methyl Acetate	4.859	43	120615	21.075	ug/l	99
13) Acrolein	4.047	56	31080	90.142	ug/l	99
14) Acrylonitrile	5.557	53	171310	105.496	ug/l	98
15) Acetone	4.288	58	44688	88.034	ug/l	99
16) Carbon Disulfide	4.537	76	159251	19.723	ug/l	100
17) Allyl chloride	4.846	41	104399	20.175	ug/l	92
18) Methylene Chloride	5.103	84	75685	21.196	ug/l	97
19) trans-1,2-Dichloroethene	5.605	96	66743	20.454	ug/l	96
20) Diisopropyl ether	6.498	45	224789	20.336	ug/l	97
21) 1,1-Dichloroethane	6.391	63	127529	20.670	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	79893	20.427	ug/l	99
23) tert-Butyl Alcohol	5.366	59	68657	103.048	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	236457m	20.746	ug/l	
25) Chloroform	7.820	83	135870	20.609	ug/l	99
26) Cyclohexane	8.099	56	115703	20.360	ug/l #	99
29) 1,1-Dichloropropene	8.225	75	97988	19.977	ug/l	98
30) 2-Butanone	7.337	43	233301	99.060	ug/l	99
31) 2,2-Dichloropropane	7.329	77	106874	18.188	ug/l	100
32) 1,1,1-Trichloroethane	8.019	97	123220	20.190	ug/l	98
33) Carbon Tetrachloride	8.209	117	103696	20.004	ug/l	98
34) Benzene	8.464	78	301109	20.559	ug/l	99
35) Methacrylonitrile	7.635	41	48837	20.807	ug/l	98
36) 1,2-Dichloroethane	8.534	62	107472	20.332	ug/l	99
37) Trichloroethene	9.220	130	75515	20.277	ug/l	90
38) Methylcyclohexane	9.462	83	125102	20.035	ug/l	98
39) 1,2-Dichloropropane	9.494	63	76444	20.468	ug/l	99
40) Dibromomethane	9.580	93	53558	20.511	ug/l	95
41) Bromodichloromethane	9.765	83	104160	19.963	ug/l	97
42) Vinyl Acetate	6.436	43	844860	100.534	ug/l	100

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 ALS Vial : 21 Sample Multiplier: 1

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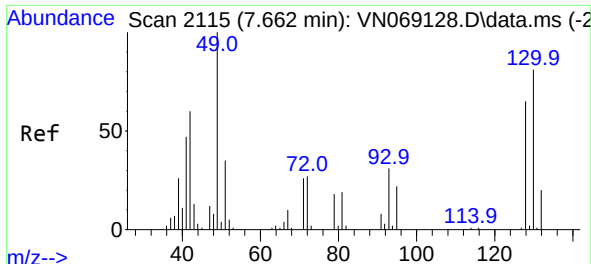
Manual Integrations
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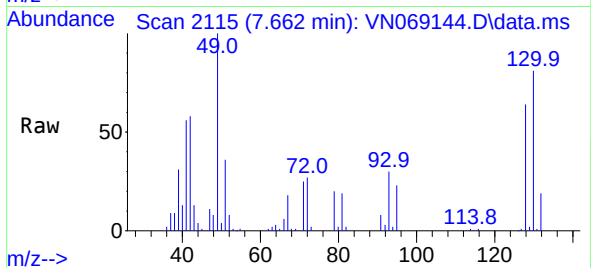
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	97195	21.156	ug/l #	84
44) Isopropyl Acetate	8.563	43	169062	19.874	ug/l	96
45) 1,4-Dioxane	9.569	88	27774	407.952	ug/l	97
46) Methyl methacrylate	9.561	41	72851	18.945	ug/l	93
47) n-amyl Acetate	12.390	43	138446	19.170	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	113930	18.878	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	120897	19.237	ug/l	97
50) 1,1,2-Trichloroethane	10.902	97	76856	20.509	ug/l	97
51) Ethyl methacrylate	10.762	69	124340	20.128	ug/l	92
52) 1,3-Dichloropropane	11.047	76	128845	20.435	ug/l	99
53) Dibromochloromethane	11.240	129	78319	19.577	ug/l	100
54) 1,2-Dibromoethane	11.347	107	79382	20.263	ug/l	97
55) 2-Chloroethyl vinyl ether	10.044	63	192208	98.000	ug/l	99
56) Bromoform	12.460	173	54583	18.928	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	511881	107.318	ug/l	98
59) 2-Hexanone	11.087	43	370337	102.815	ug/l	98
61) Tetrachloroethene	10.980	164	68031	22.140	ug/l	99
62) Toluene	10.508	91	343237	20.843	ug/l	98
64) Chlorobenzene	11.773	112	206040	20.630	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	77050	20.736	ug/l	99
66) Ethyl Benzene	11.849	91	382669	20.669	ug/l	99
67) m/p-Xylenes	11.956	106	287143	41.241	ug/l	98
68) o-Xylene	12.283	106	143893	20.640	ug/l	96
69) Styrene	12.296	104	232500	20.125	ug/l	98
70) Isopropylbenzene	12.581	105	374505	20.490	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	111493	20.812	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	95064m	20.652	ug/l	
73) Bromobenzene	12.862	156	84673	20.438	ug/l	96
74) n-propylbenzene	12.924	91	426660	20.327	ug/l	100
75) 2-Chlorotoluene	13.010	91	262820	20.449	ug/l	97
76) 1,3,5-Trimethylbenzene	13.063	105	315347	20.701	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	32056	17.807	ug/l	97
78) 4-Chlorotoluene	13.109	91	249882	19.838	ug/l	96
79) tert-butylbenzene	13.326	119	275581	20.603	ug/l	100
80) 1,2,4-Trimethylbenzene	13.372	105	305377m	20.421	ug/l	
81) sec-Butylbenzene	13.503	105	380747	20.334	ug/l	99
82) p-Isopropyltoluene	13.619	119	302319	19.795	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	145759	19.985	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	141882	19.977	ug/l	97
85) n-Butylbenzene	13.946	91	241042	18.871	ug/l	98
86) Hexachloroethane	14.214	117	55377	19.365	ug/l	92
87) 1,2-Dichlorobenzene	13.991	146	140938	20.224	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	20190	20.234	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	67990	19.350	ug/l	98
90) Hexachlorobutadiene	15.373	225	37073	20.181	ug/l	96
91) Naphthalene	15.507	128	205027	20.173	ug/l	98
92) 1,2,3-Trichlorobenzene	15.703	180	67556	20.118	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

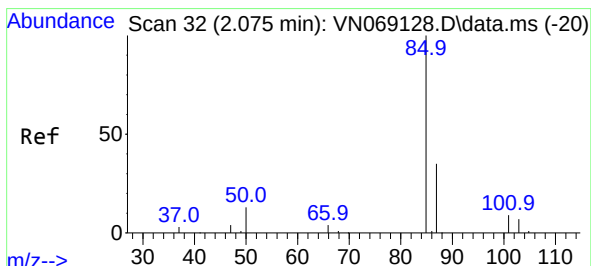
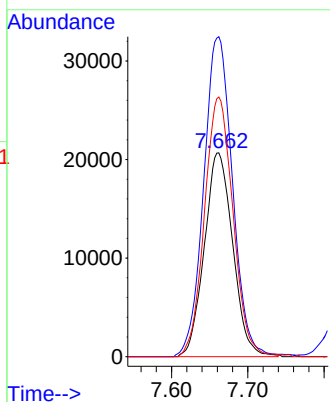
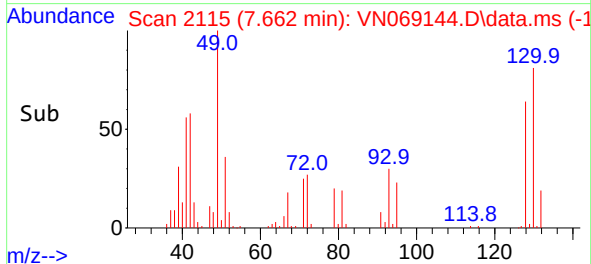
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



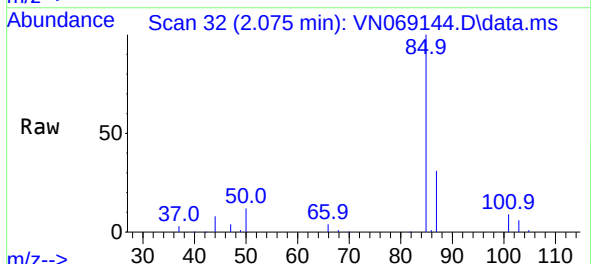
Tgt Ion:128 Resp: 53429
Ion Ratio Lower Upper
128 100
49 159.1 0.0 392.3
130 127.8 0.0 320.2

Manual Integrations
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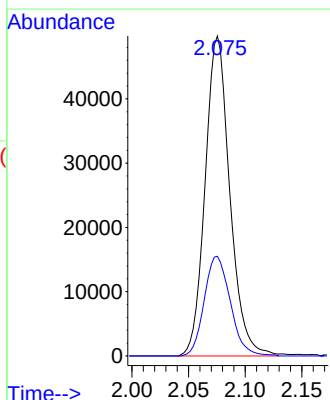
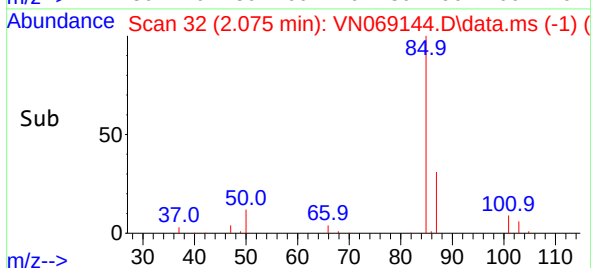
Reviewed By :John Carlone 10/25/2021
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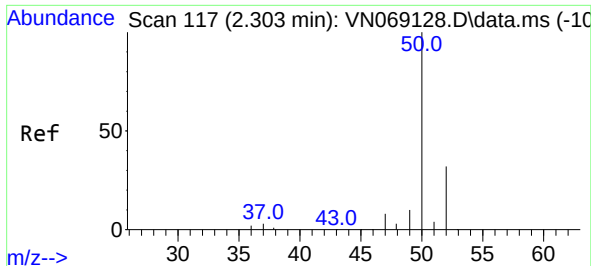


#2
Dichlorodifluoromethane
Concen: 21.367 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



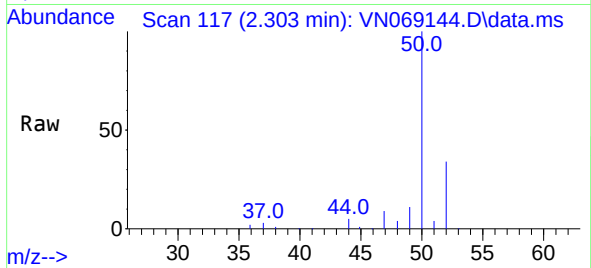
Tgt Ion: 85 Resp: 75485
Ion Ratio Lower Upper
85 100
87 31.2 16.6 49.7





#3
Chloromethane
Concen: 21.395 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

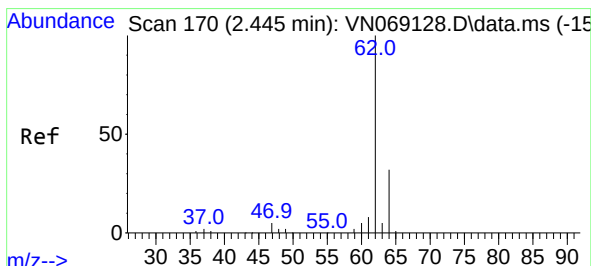
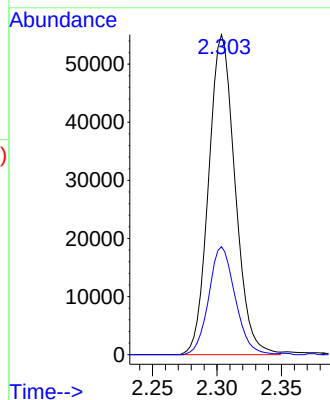
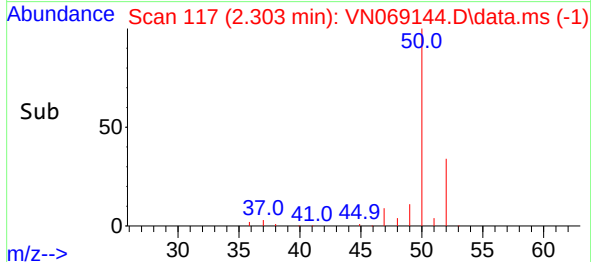
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



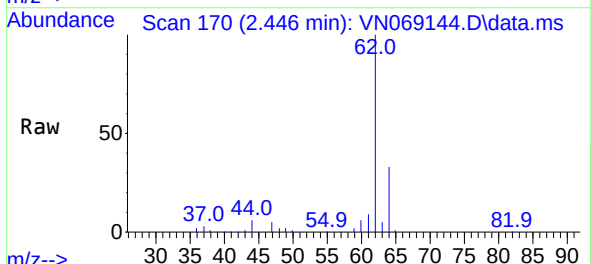
Tgt Ion: 50 Resp: 78579
Ion Ratio Lower Upper
50 100
52 33.7 27.8 41.6

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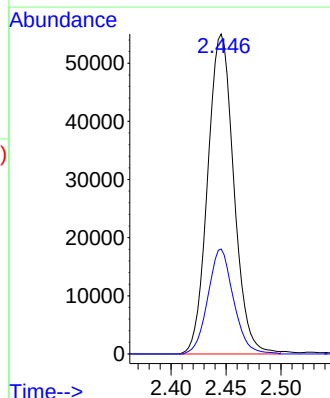
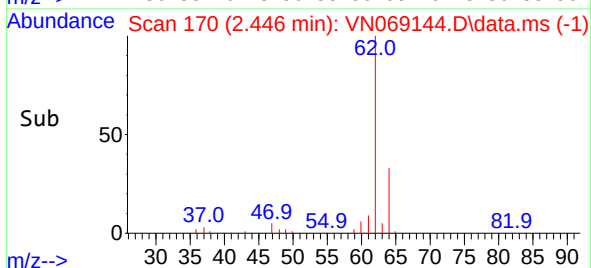
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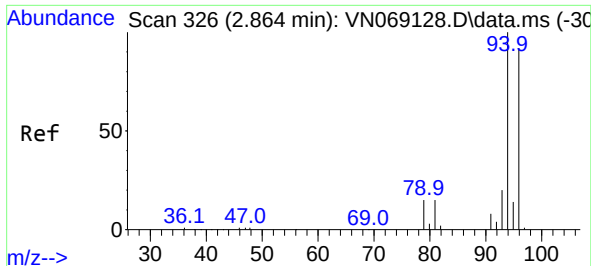


#4
Vinyl Chloride
Concen: 20.782 ug/l
RT: 2.446 min Scan# 170
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



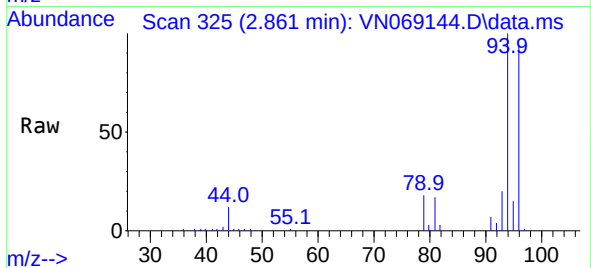
Tgt Ion: 62 Resp: 90985
Ion Ratio Lower Upper
62 100
64 32.8 25.1 37.7





#5
Bromomethane
Concen: 20.824 ug/l
RT: 2.861 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

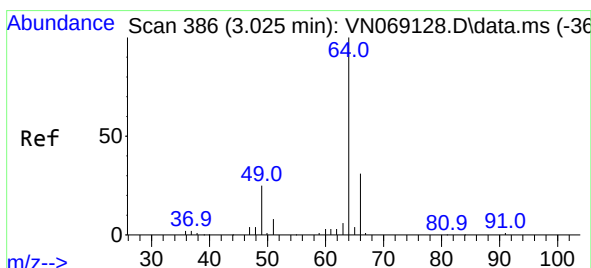
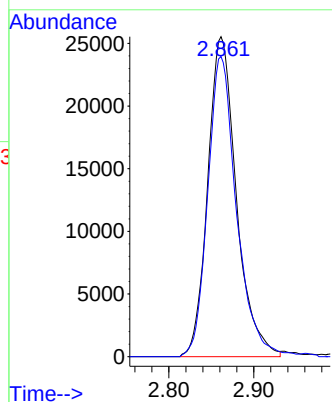
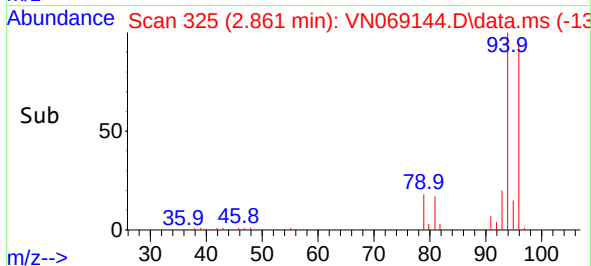
Instrument :
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Tgt Ion: 94 Resp: 5979
Ion Ratio Lower Upper
94 100
96 93.8 75.2 112.8

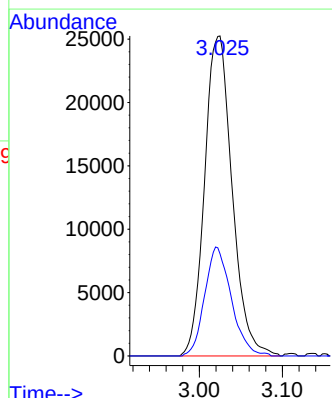
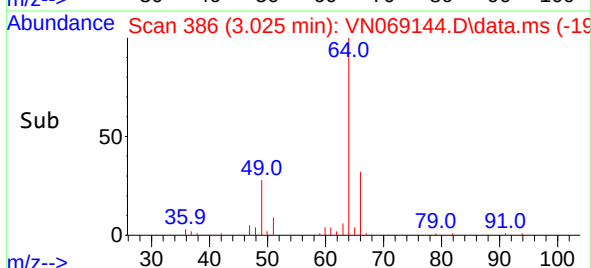
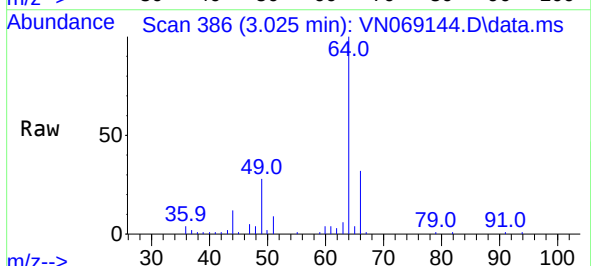
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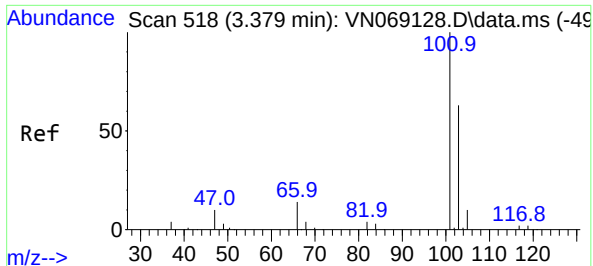
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#6
Chloroethane
Concen: 20.513 ug/l
RT: 3.025 min Scan# 386
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

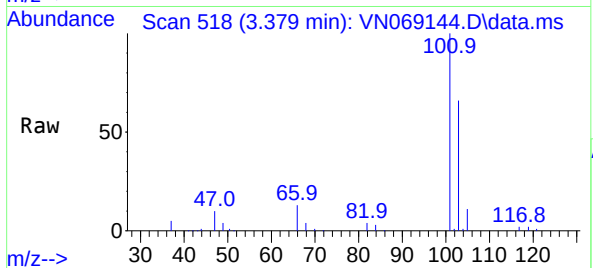
Tgt Ion: 64 Resp: 58214
Ion Ratio Lower Upper
64 100
66 31.9 24.6 36.8





#7
Trichlorofluoromethane
Concen: 21.054 ug/l
RT: 3.379 min Scan# 518
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

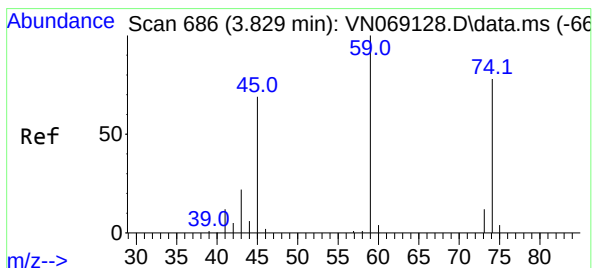
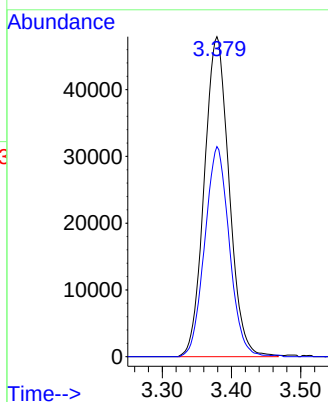
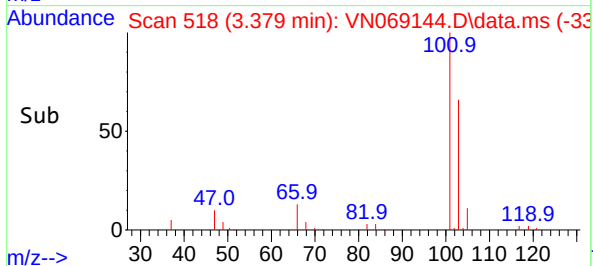
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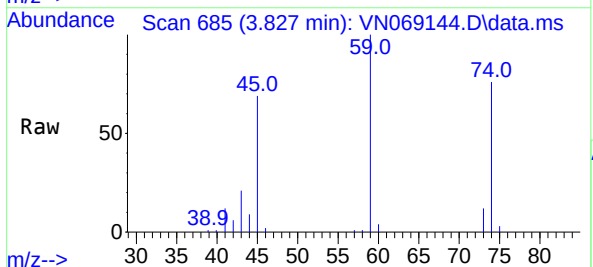
Tgt Ion:101 Resp: 119358
Ion Ratio Lower Upper
101 100
103 65.6 50.1 75.1

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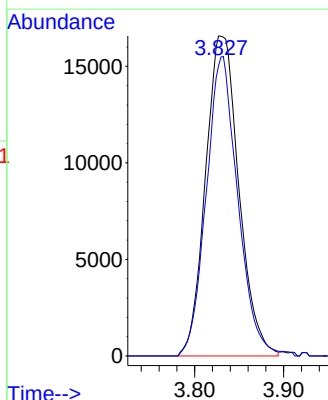
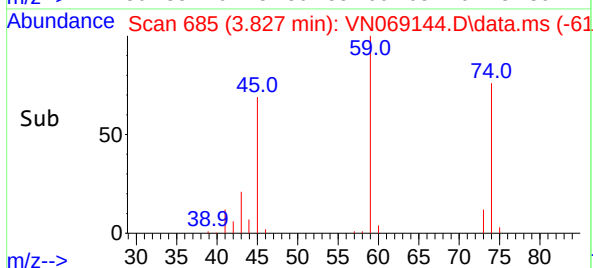
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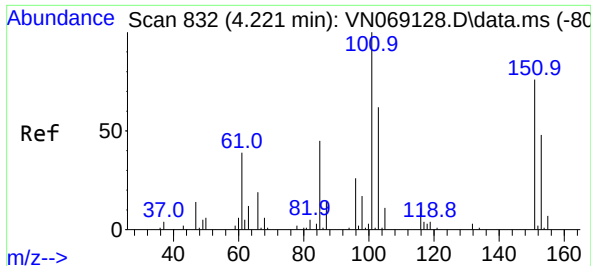


#8
Diethyl Ether
Concen: 21.481 ug/l
RT: 3.827 min Scan# 685
Delta R.T. -0.002 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 74 Resp: 43117
Ion Ratio Lower Upper
74 100
45 88.6 17.6 158.8





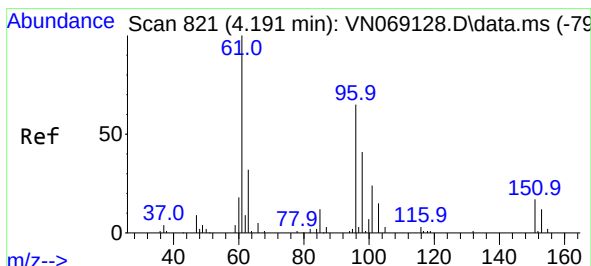
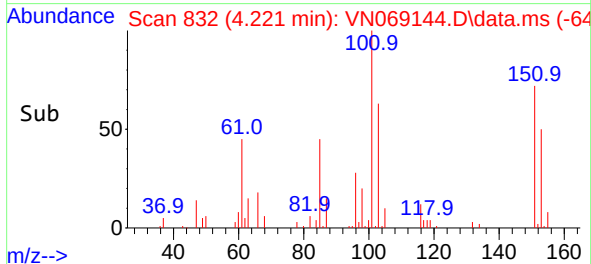
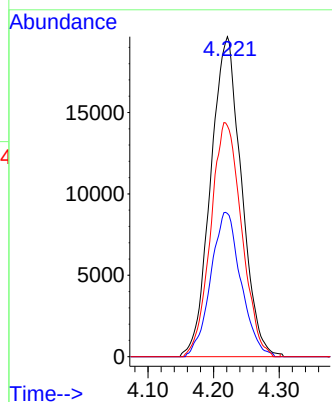
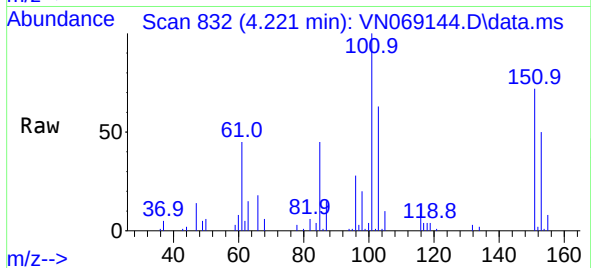
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.718 ug/l
RT: 4.221 min Scan# 81
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 6381
Ion Ratio Lower Upper
101 100
85 44.4 0.0 94.0
151 73.8 0.0 74.6

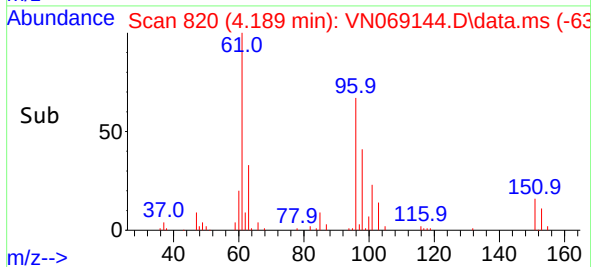
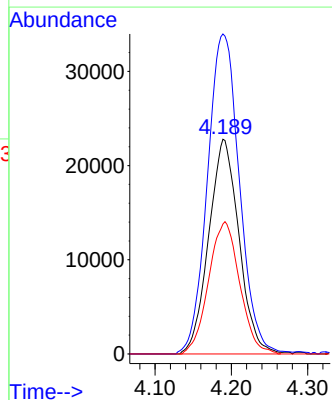
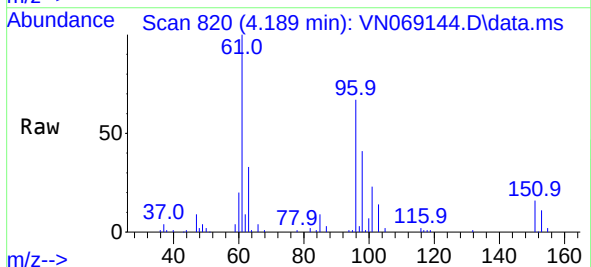
Manual Integrations
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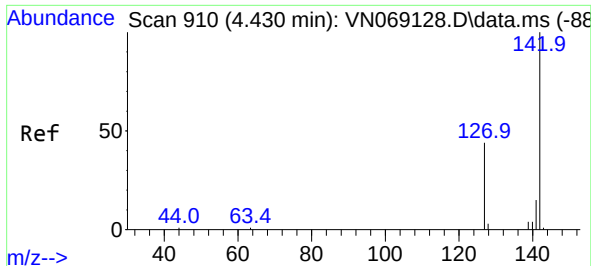
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Supervised By :Mahesh Dadoda 10/25/2021



#10
1,1-Dichloroethene
Concen: 20.894 ug/l
RT: 4.189 min Scan# 820
Delta R.T. -0.002 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 96 Resp: 62787
Ion Ratio Lower Upper
96 100
61 147.8 126.2 189.4
98 60.5 50.9 76.3





#11

Methyl Iodide

Concen: 18.571 ug/l

RT: 4.428 min Scan# 90

Delta R.T. -0.002 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

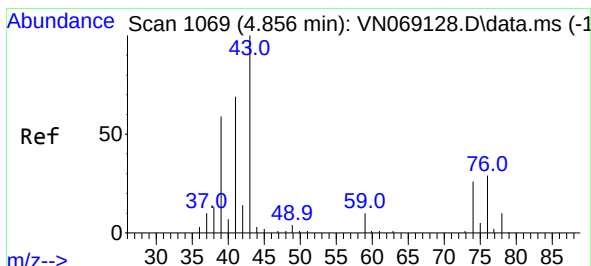
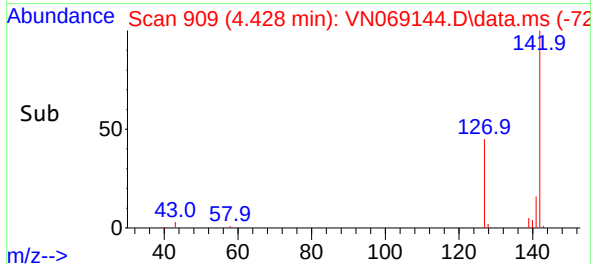
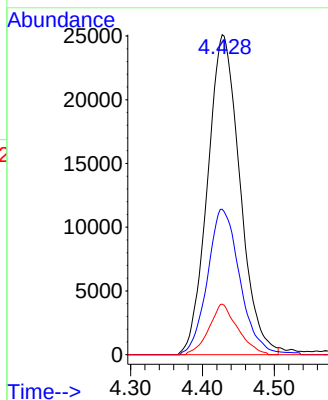
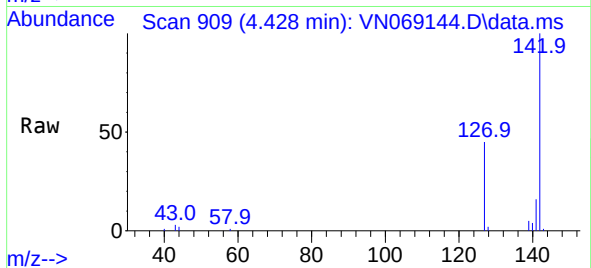
VSTDCCC020EC

Tgt Ion:142 Resp: 78460
 Ion Ratio Lower Upper
 142 100
 127 45.5 24.0 72.0
 141 16.0 8.4 25.2

Manual Integrations

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Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021



#12

Methyl Acetate

Concen: 21.075 ug/l

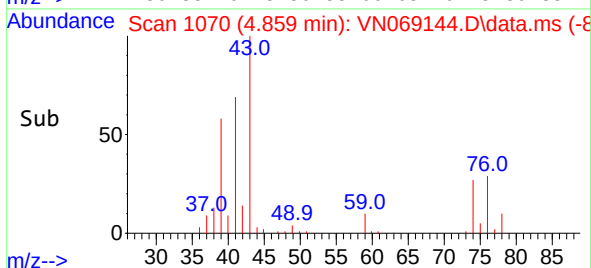
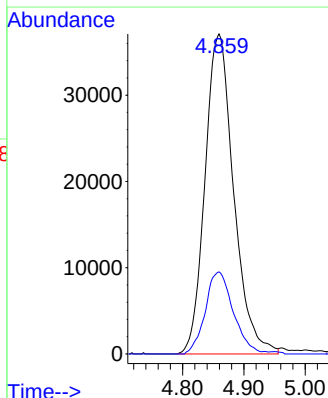
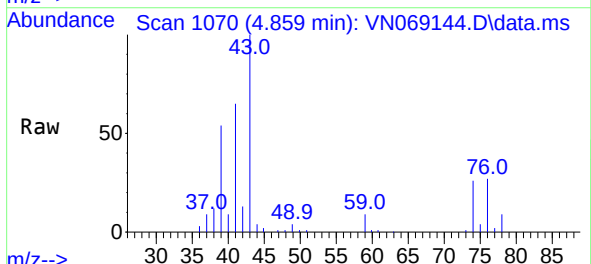
RT: 4.859 min Scan# 1070

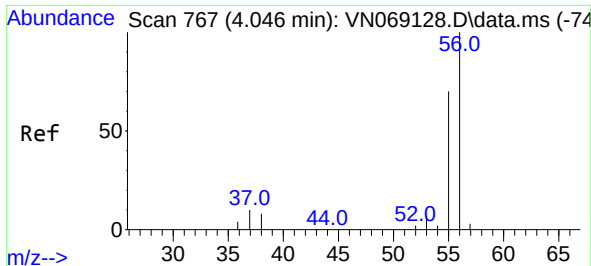
Delta R.T. 0.003 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

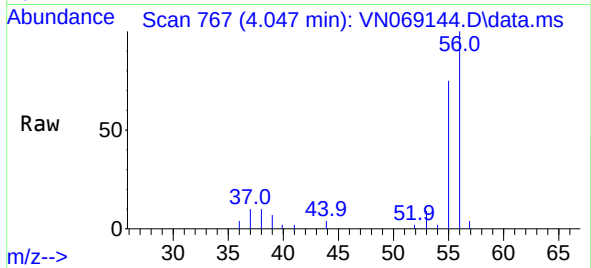
Tgt Ion: 43 Resp: 120615
 Ion Ratio Lower Upper
 43 100
 74 25.6 20.8 31.2





#13
Acrolein
Concen: 90.142 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

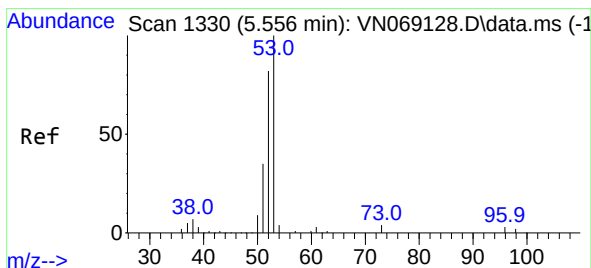
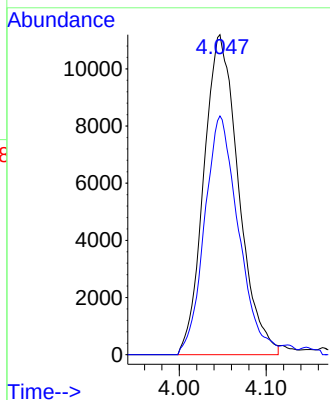
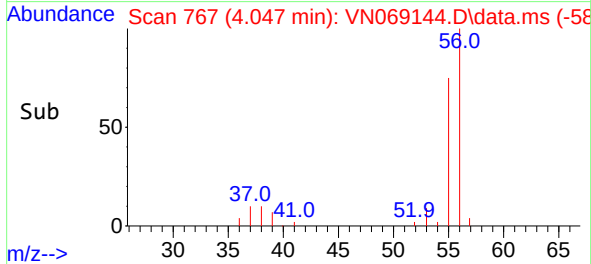
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



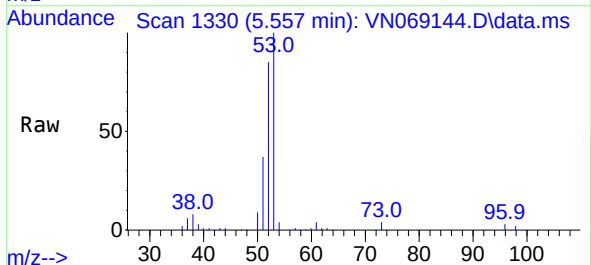
Tgt Ion: 56 Resp: 31080
Ion Ratio Lower Upper
56 100
55 73.0 57.6 86.4

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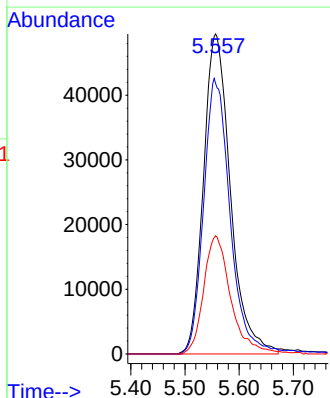
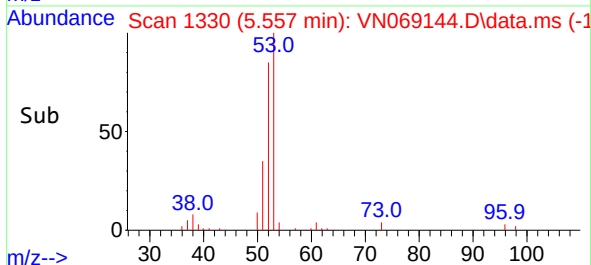
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

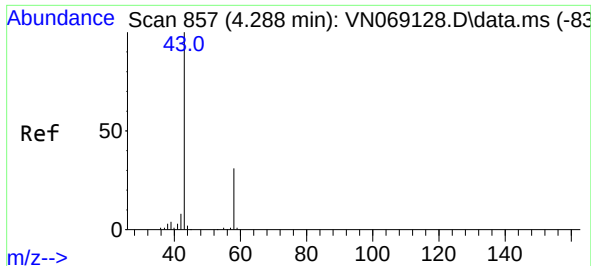


#14
Acrylonitrile
Concen: 105.496 ug/l
RT: 5.557 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 53 Resp: 171310
Ion Ratio Lower Upper
53 100
52 83.6 41.8 125.4
51 34.8 19.0 57.0





#15

Acetone

Concen: 88.034 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 44688

Ion Ratio Lower Upper

58 100

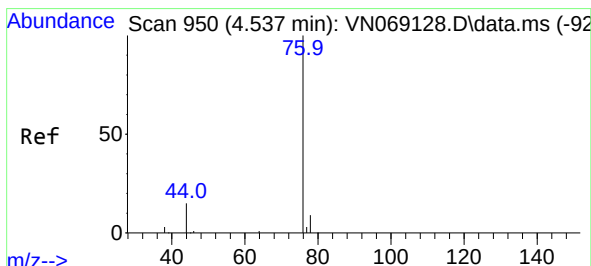
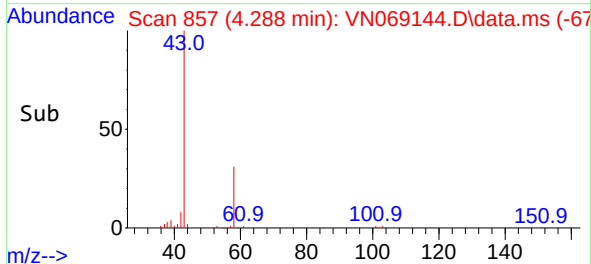
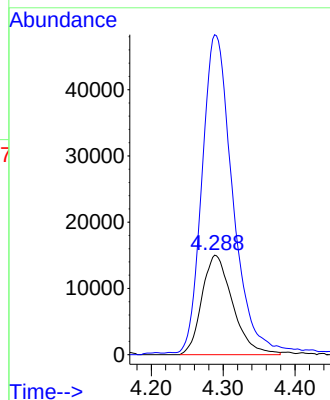
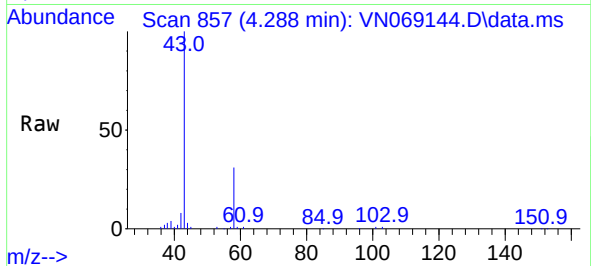
43 317.9 256.6 384.8

Manual Integrations

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Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#16

Carbon Disulfide

Concen: 19.723 ug/l

RT: 4.537 min Scan# 950

Delta R.T. 0.000 min

Lab File: VN069144.D

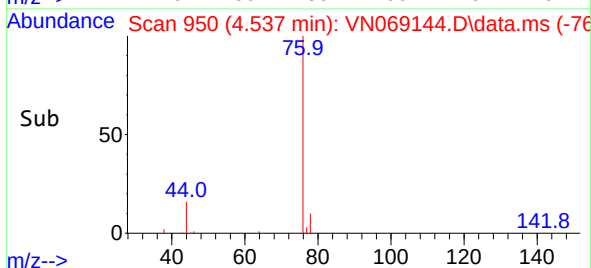
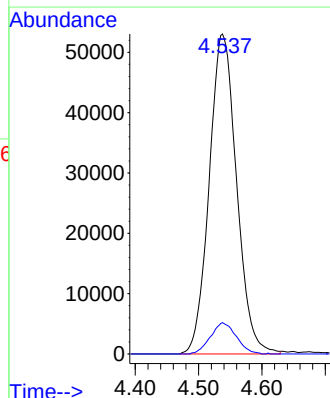
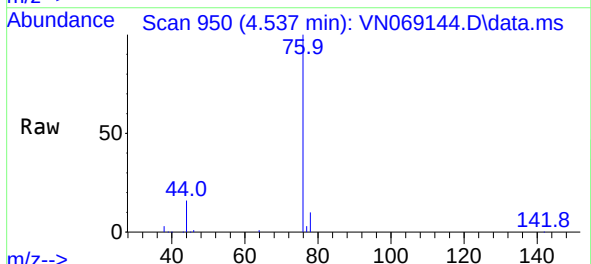
Acq: 22 Oct 2021 19:49

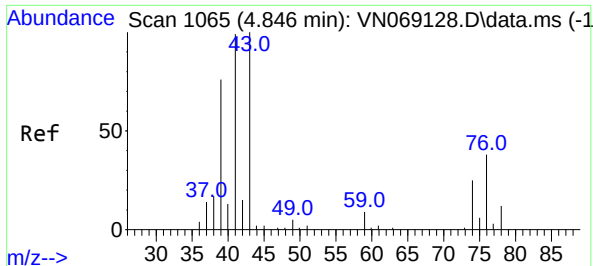
Tgt Ion: 76 Resp: 159251

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.8





#17
 Allyl chloride
 Concen: 20.175 ug/l
 RT: 4.846 min Scan# 1065
 Delta R.T. 0.000 min
 Lab File: VN069144.D
 Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

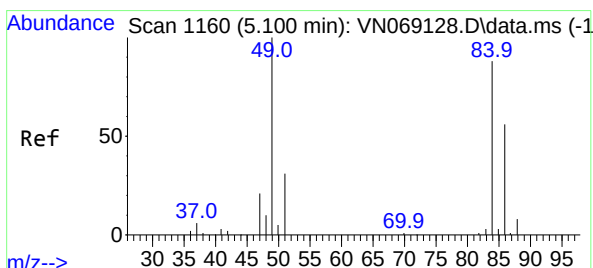
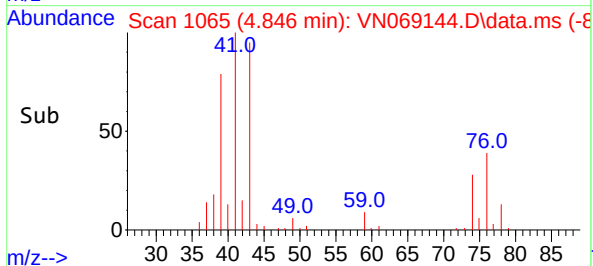
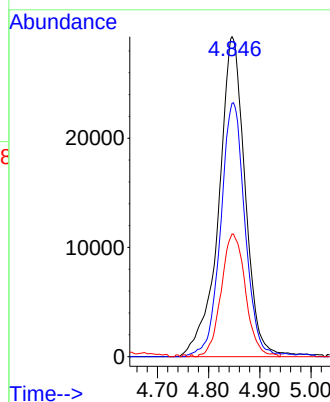
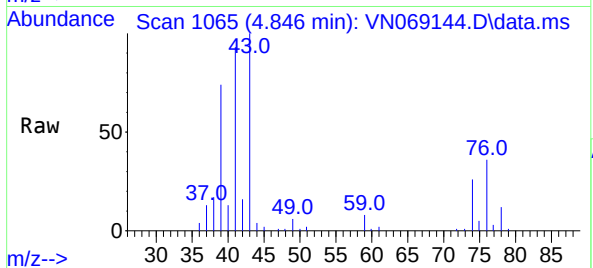
VSTDCCC020EC

Tgt Ion: 41 Resp: 104399
 Ion Ratio Lower Upper
 41 100
 39 79.2 44.6 134.0
 76 38.4 19.6 58.7

Manual Integrations

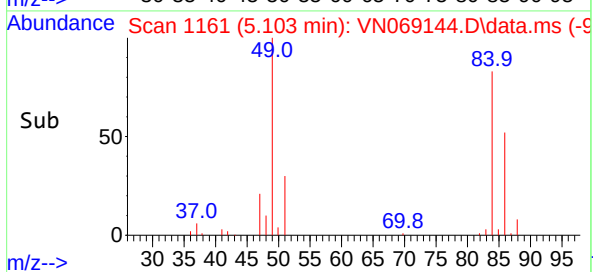
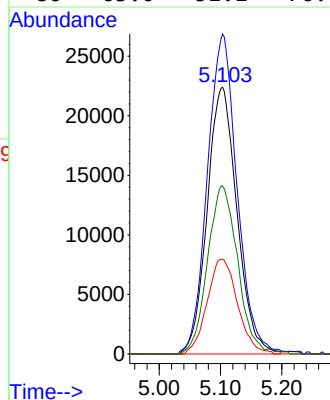
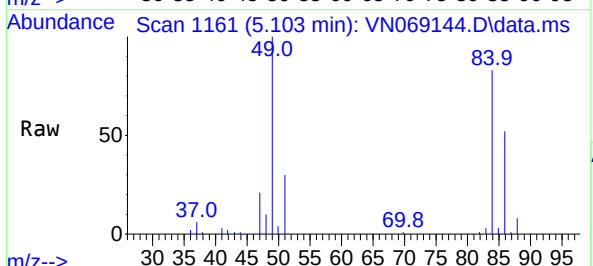
APPROVED

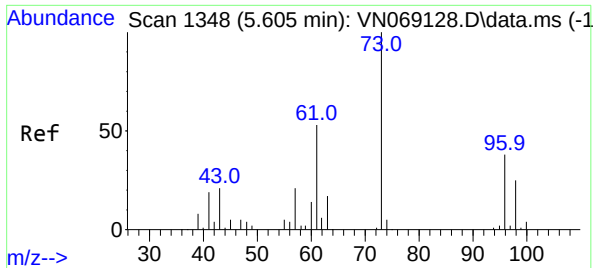
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021



#18
 Methylene Chloride
 Concen: 21.196 ug/l
 RT: 5.103 min Scan# 1161
 Delta R.T. 0.003 min
 Lab File: VN069144.D
 Acq: 22 Oct 2021 19:49

Tgt Ion: 84 Resp: 75685
 Ion Ratio Lower Upper
 84 100
 49 119.1 91.4 137.0
 51 35.5 29.4 44.0
 86 63.0 51.1 76.7





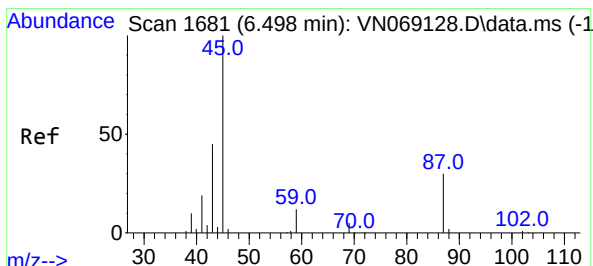
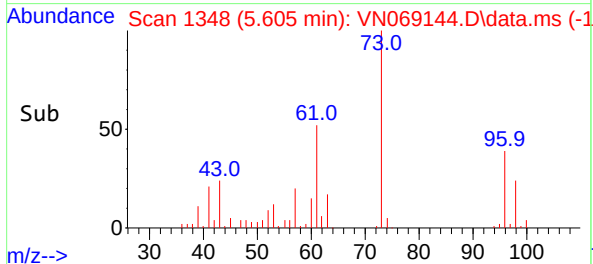
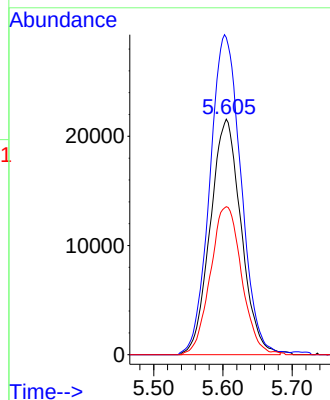
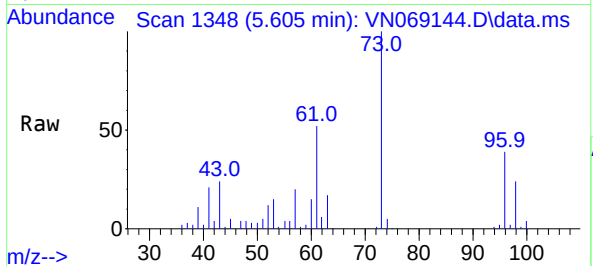
#19
trans-1,2-Dichloroethene
Concen: 20.454 ug/l
RT: 5.605 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 6674
Ion Ratio Lower Upper
96 100
61 133.8 102.8 154.2
98 62.8 49.3 73.9

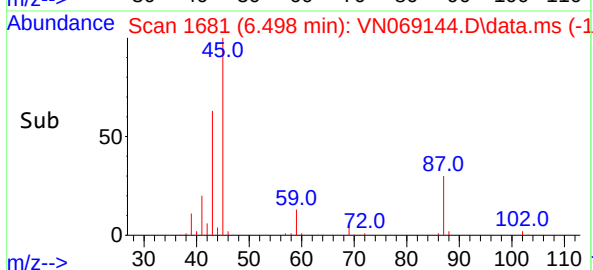
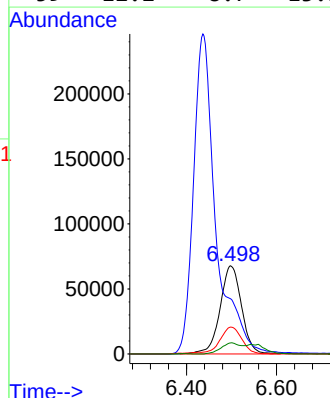
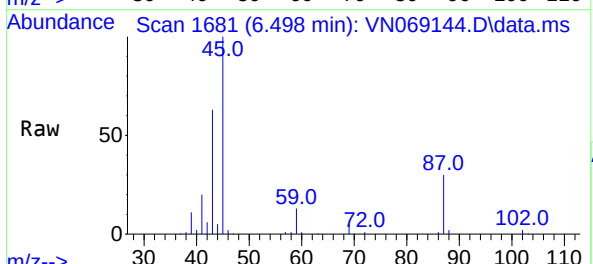
Manual Integrations
APPROVED

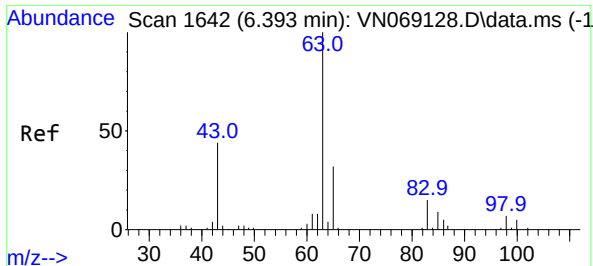
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#20
Diisopropyl ether
Concen: 20.336 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 45 Resp: 224789
Ion Ratio Lower Upper
45 100
43 60.9 51.0 76.4
87 30.5 25.0 37.4
59 12.2 8.7 13.1





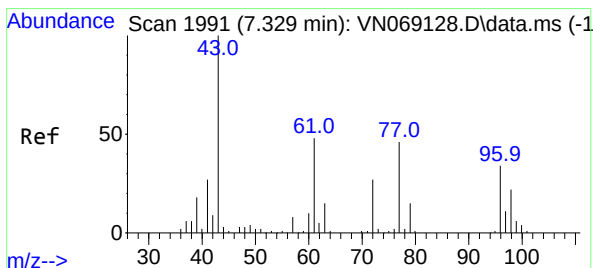
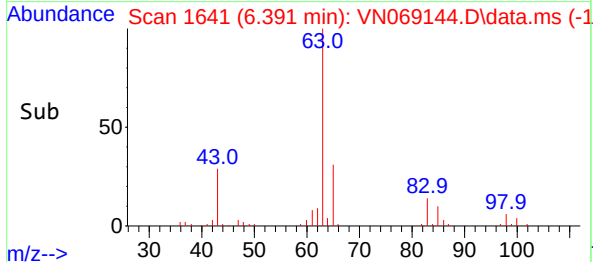
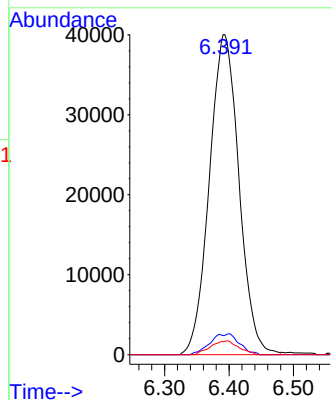
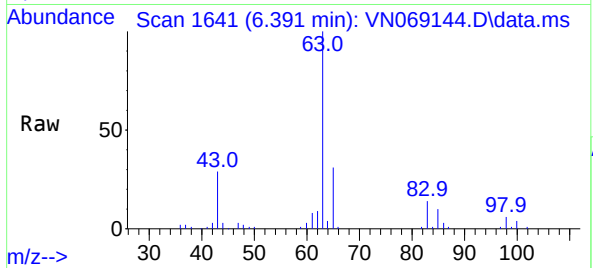
#21
1,1-Dichloroethane
Concen: 20.670 ug/l
RT: 6.391 min Scan# 1642
Delta R.T. -0.002 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 127529
Ion Ratio Lower Upper
63 100
98 6.0 3.2 9.6
100 4.1 2.1 6.2

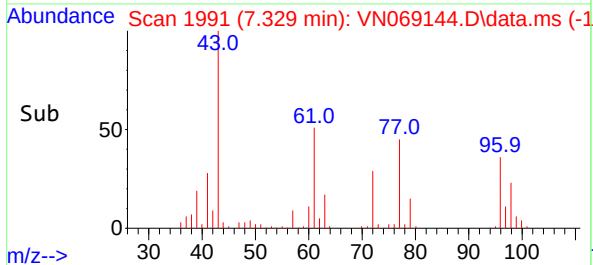
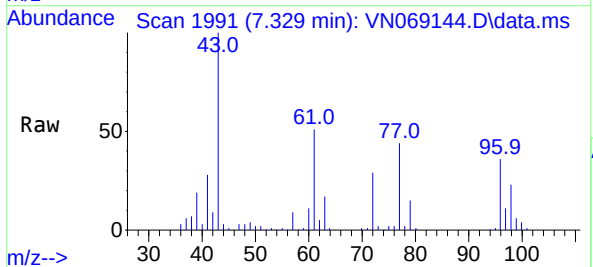
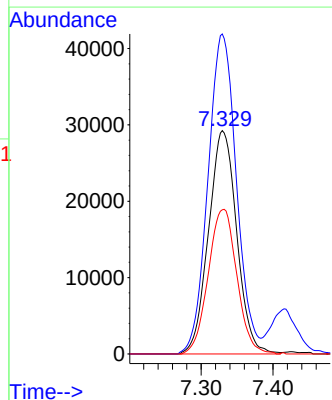
Manual Integrations
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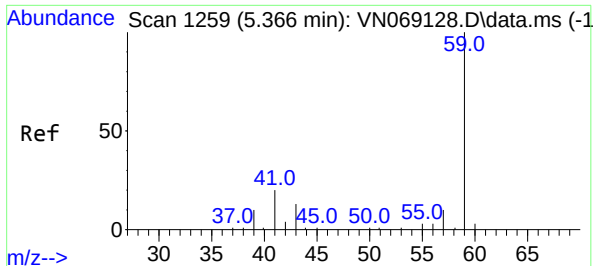
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#22
cis-1,2-Dichloroethene
Concen: 20.427 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 96 Resp: 79893
Ion Ratio Lower Upper
96 100
61 144.4 115.7 173.5
98 65.6 51.6 77.4





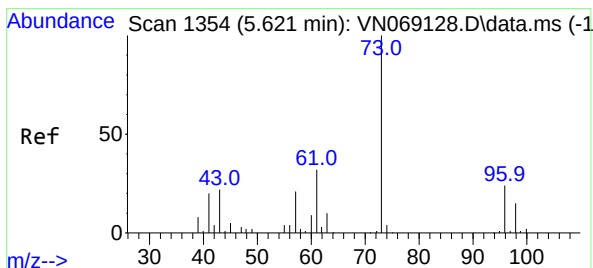
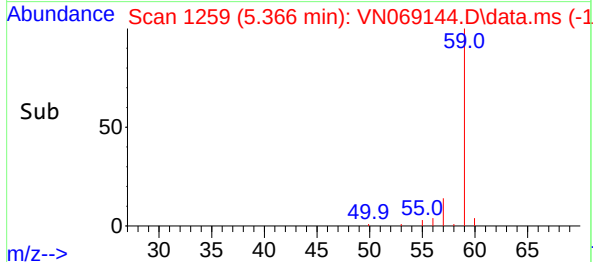
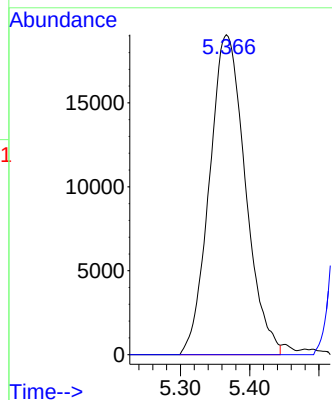
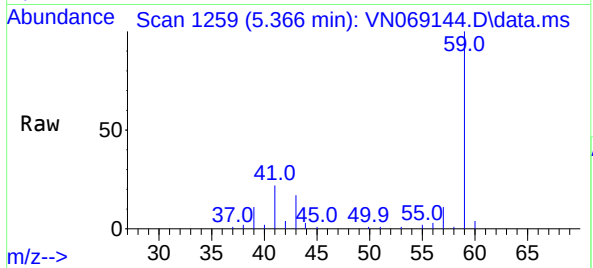
#23
tert-Butyl Alcohol
Concen: 103.048 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 6865
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

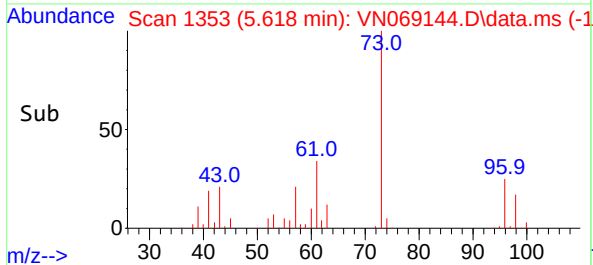
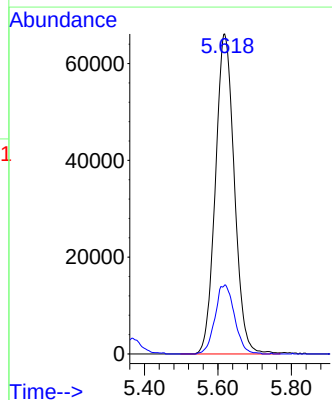
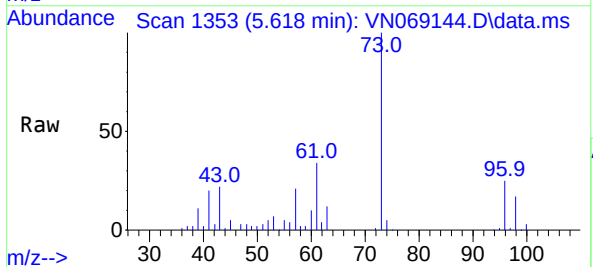
Manual Integrations
APPROVED

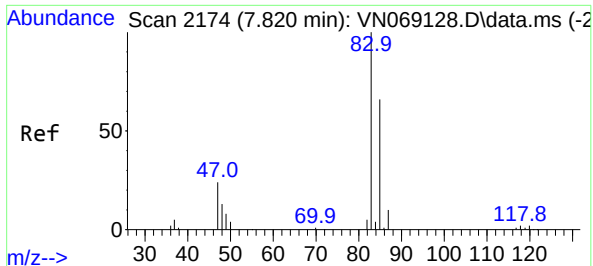
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#24
Methyl tert-Butyl Ether
Concen: 20.746 ug/l m
RT: 5.618 min Scan# 1353
Delta R.T. -0.002 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 73 Resp: 236457
Ion Ratio Lower Upper
73 100
43 0.0 18.1 27.1#





#25

Chloroform

Concen: 20.609 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 135870

Ion Ratio Lower Upper

83 100

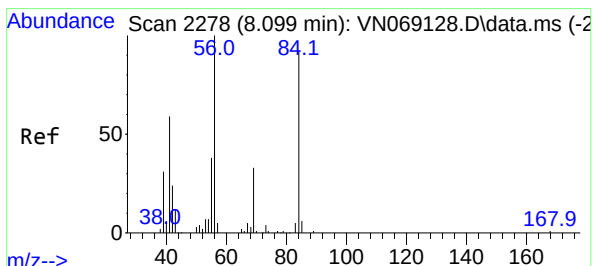
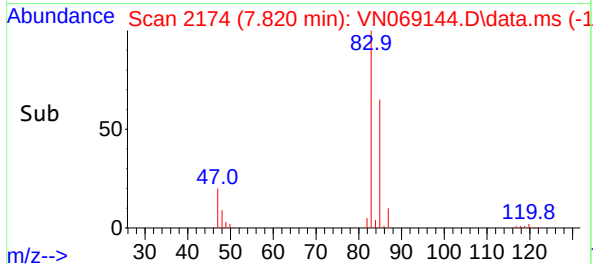
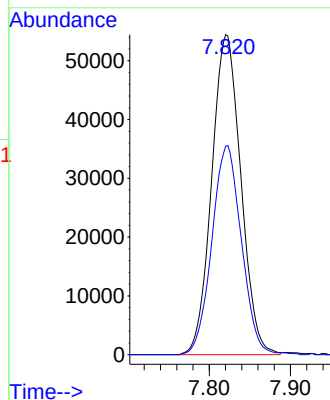
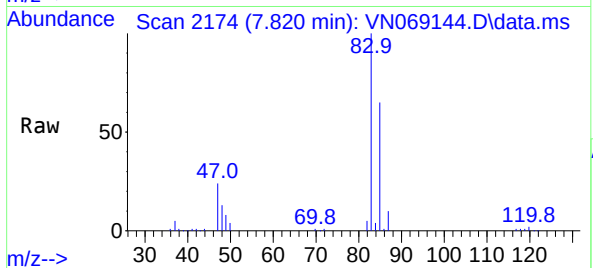
85 65.1 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#26

Cyclohexane

Concen: 20.360 ug/l

RT: 8.099 min Scan# 2278

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

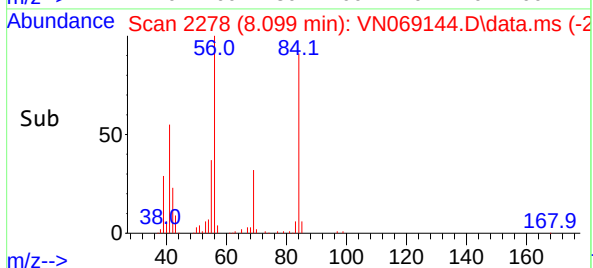
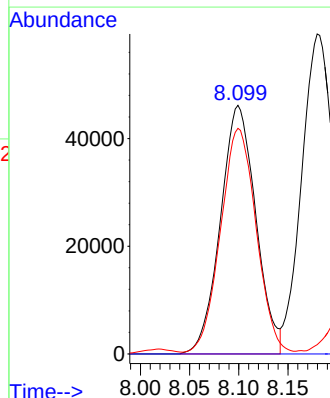
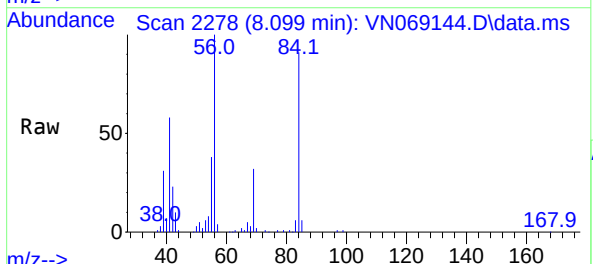
Tgt Ion: 56 Resp: 115703

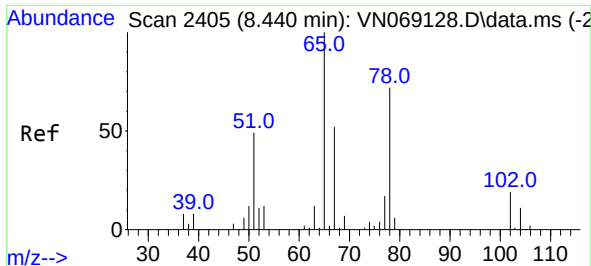
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

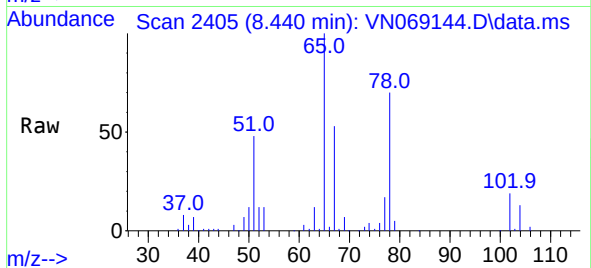
84 92.0 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 30.483 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

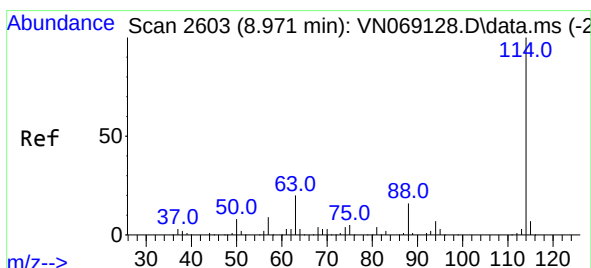
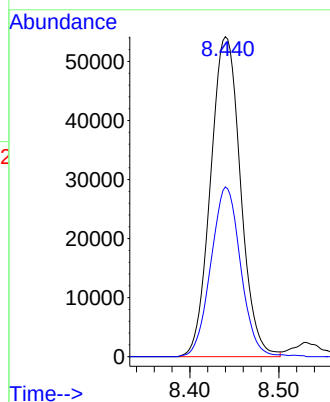
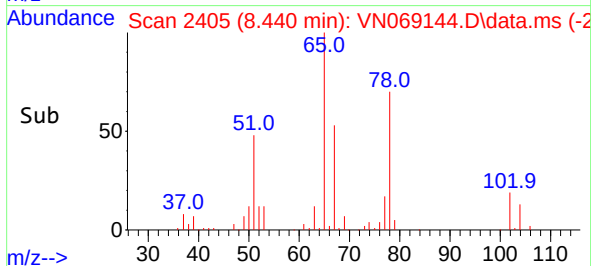
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



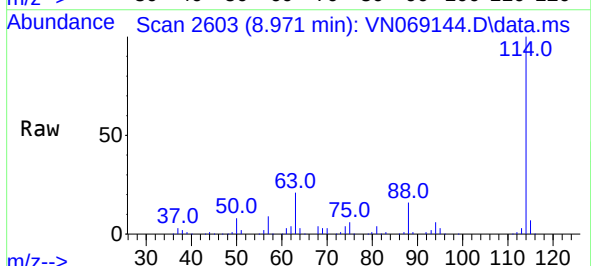
Tgt Ion: 65 Resp: 126854
Ion Ratio Lower Upper
65 100
67 52.5 40.2 60.2

Manual Integrations
APPROVED

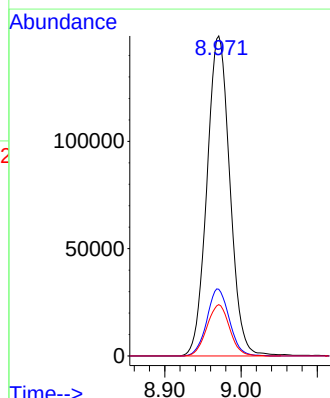
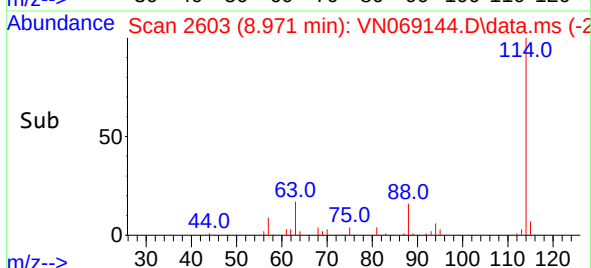
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

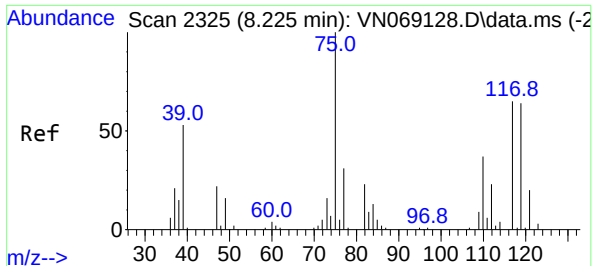


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion:114 Resp: 311670
Ion Ratio Lower Upper
114 100
63 20.5 15.8 23.6
88 15.8 11.6 17.4





#29

1,1-Dichloropropene

Concen: 19.977 ug/l

RT: 8.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 9798

Ion Ratio Lower Upper

75 100

110 35.8 0.0 74.2

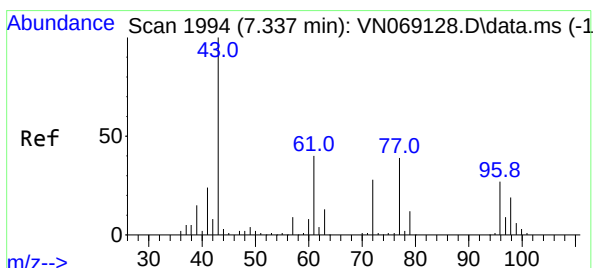
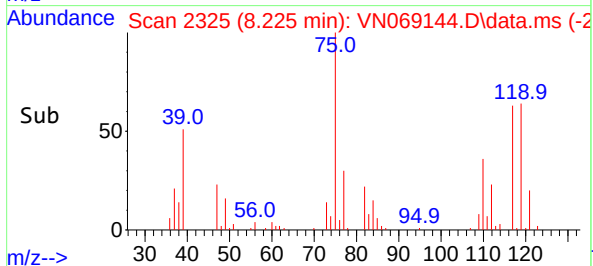
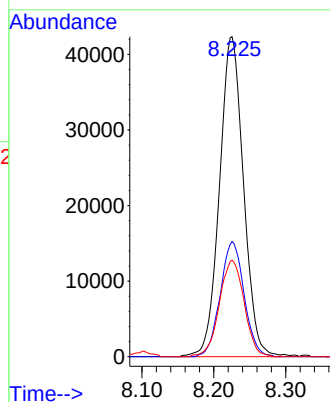
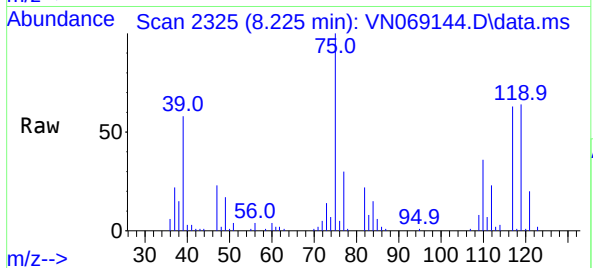
77 31.2 0.0 63.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#30

2-Butanone

Concen: 99.060 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

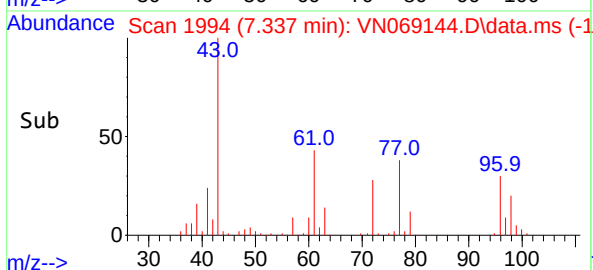
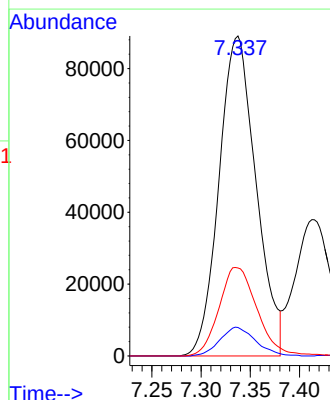
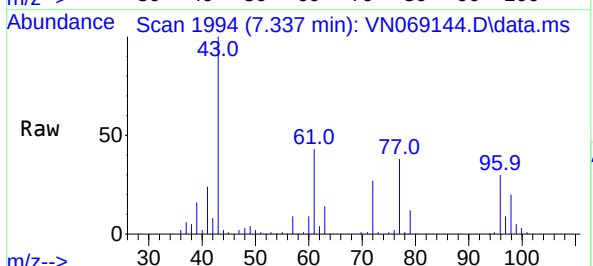
Tgt Ion: 43 Resp: 233301

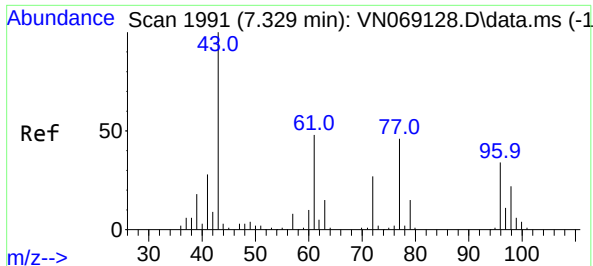
Ion Ratio Lower Upper

43 100

57 8.7 6.7 10.1

72 28.6 23.2 34.8





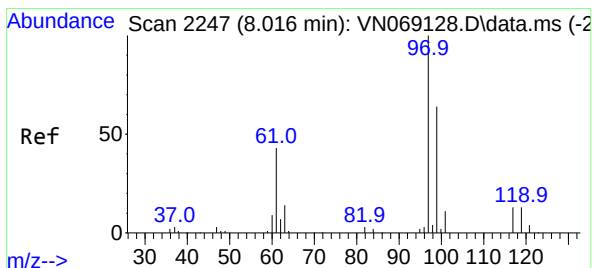
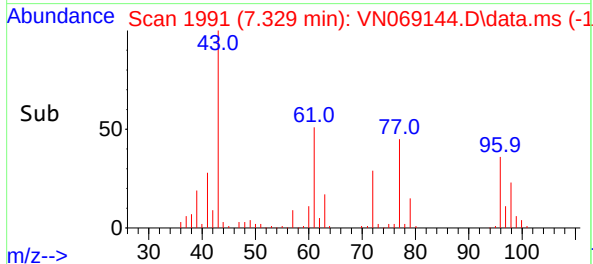
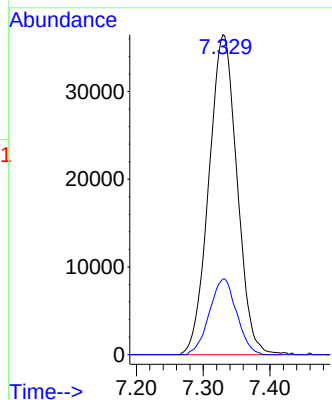
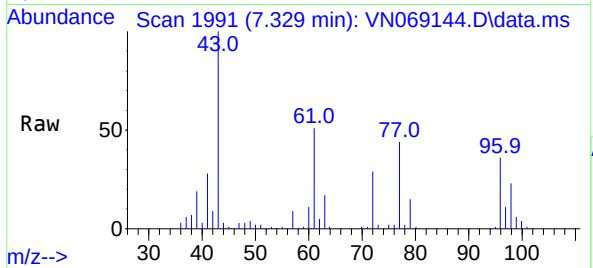
#31
2,2-Dichloropropane
Concen: 18.188 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 106874
Ion Ratio Lower Upper
77 100
97 22.9 18.3 27.5

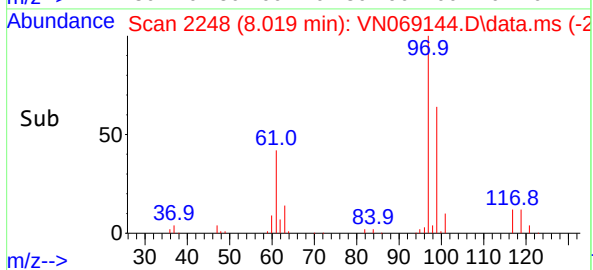
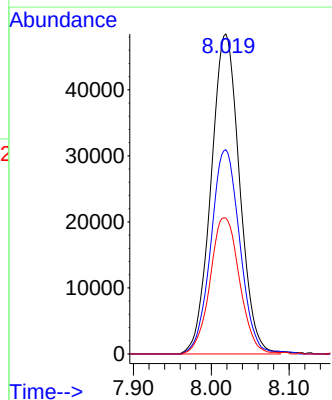
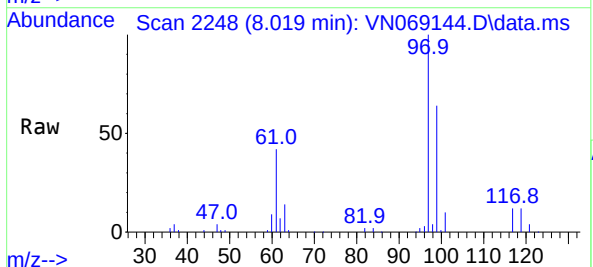
Manual Integrations
APPROVED

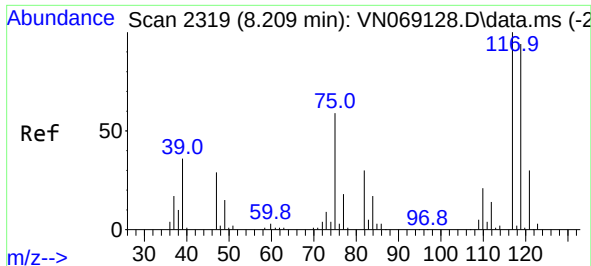
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#32
1,1,1-Trichloroethane
Concen: 20.190 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

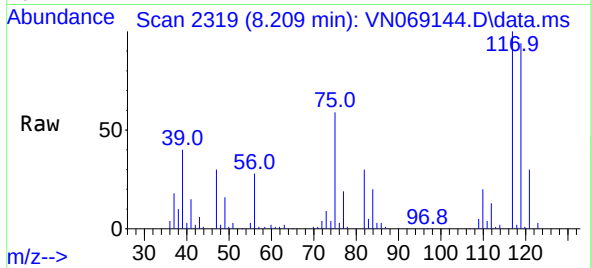
Tgt Ion: 97 Resp: 123220
Ion Ratio Lower Upper
97 100
99 64.6 50.4 75.6
61 43.9 34.6 51.8





#33
Carbon Tetrachloride
Concen: 20.004 ug/l
RT: 8.209 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

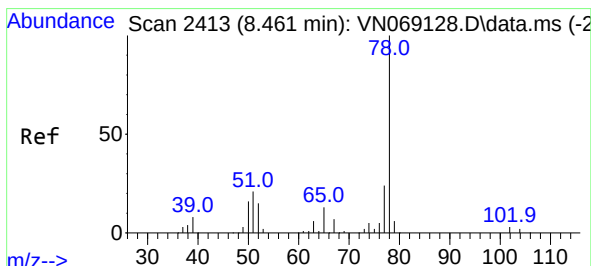
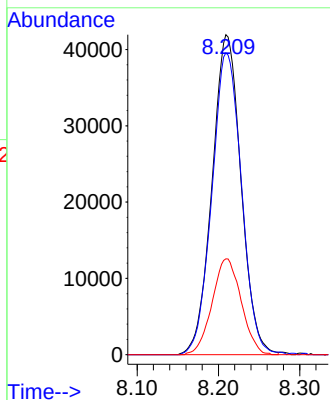
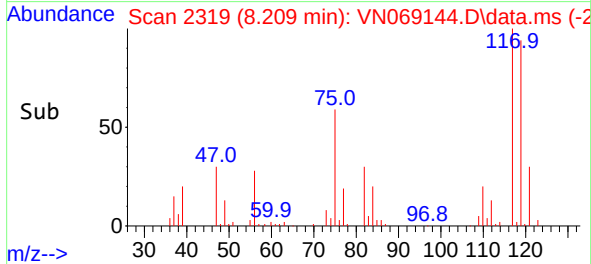
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



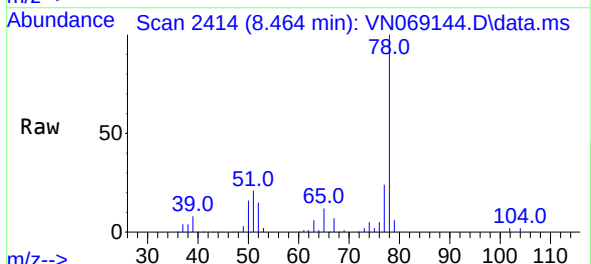
Tgt Ion: 117 Resp: 103690
Ion Ratio Lower Upper
117 100
119 94.3 77.5 116.3
121 30.0 23.5 35.3

Manual Integrations
APPROVED

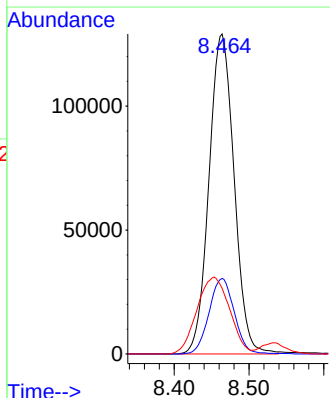
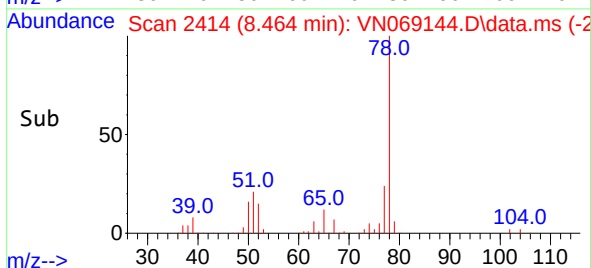
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

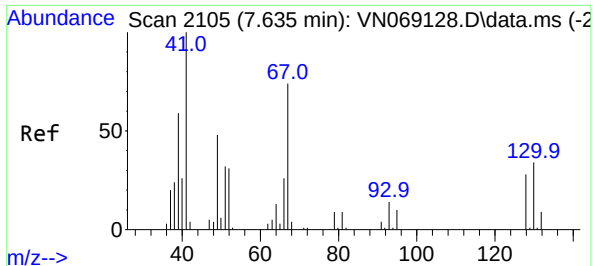


#34
Benzene
Concen: 20.559 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 78 Resp: 301109
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7
51 19.6 16.0 24.0





#35
Methacrylonitrile
Concen: 20.807 ug/l
RT: 7.635 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

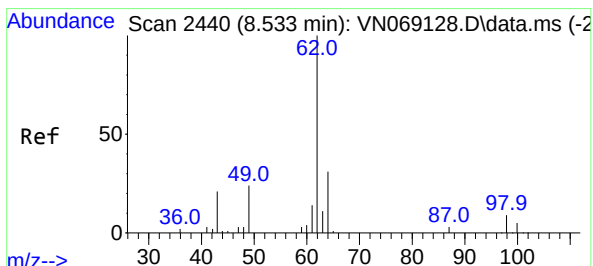
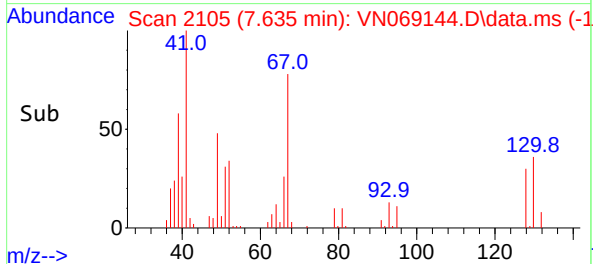
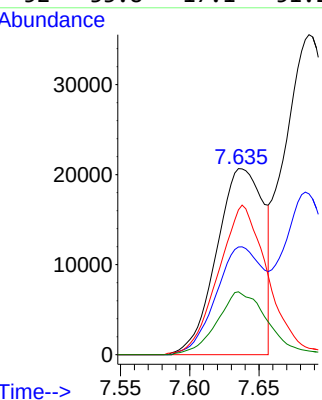
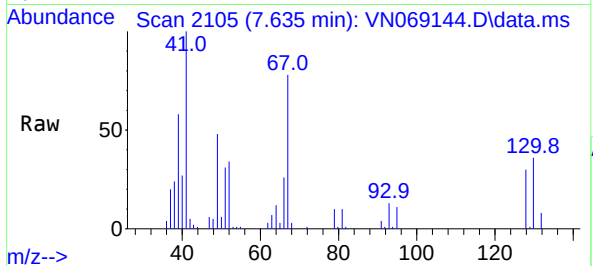
VSTDCCC020EC

Tgt Ion: 41 Resp: 4883
Ion Ratio Lower Upper
41 100
39 57.9 28.0 83.9
67 77.1 37.7 113.1
52 33.8 17.1 51.2

Manual Integrations

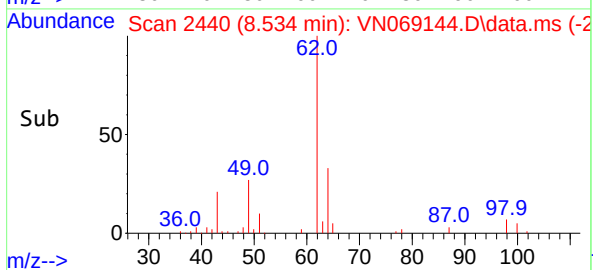
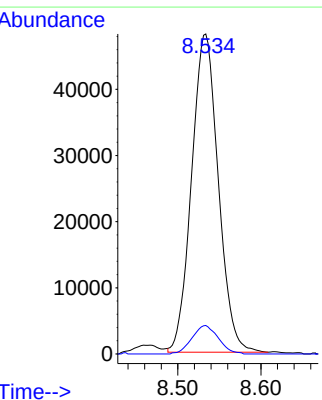
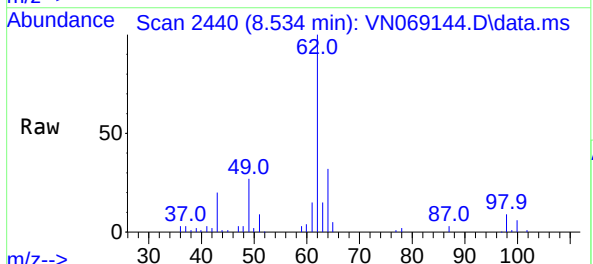
APPROVED

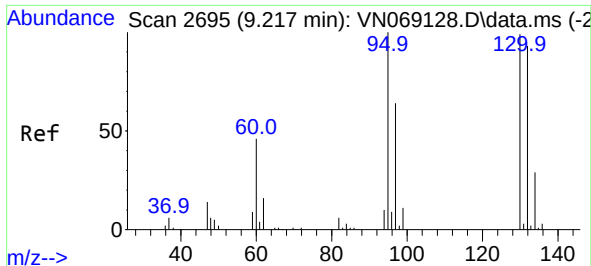
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#36
1,2-Dichloroethane
Concen: 20.332 ug/l
RT: 8.534 min Scan# 2440
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 62 Resp: 107472
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0





#37
Trichloroethene
Concen: 20.277 ug/l
RT: 9.220 min Scan# 2695
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

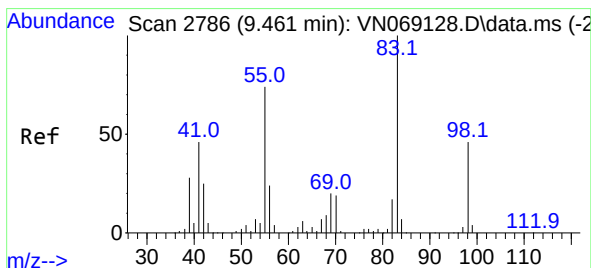
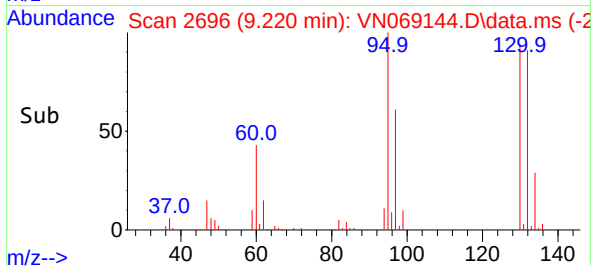
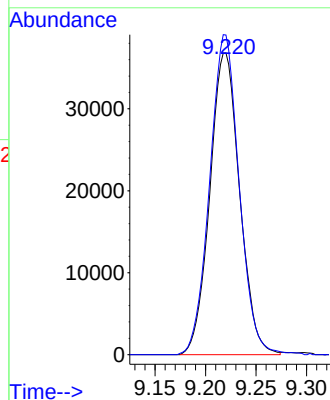
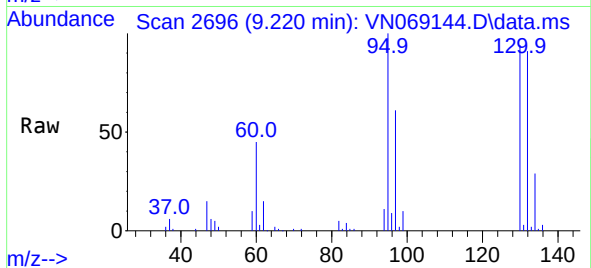
VSTDCCC020EC

Tgt Ion:130 Resp: 7551
Ion Ratio Lower Upper
130 100
95 105.5 76.6 115.0

Manual Integrations

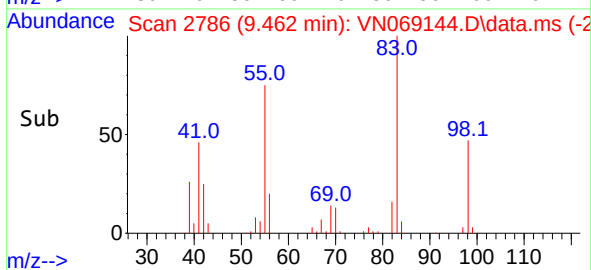
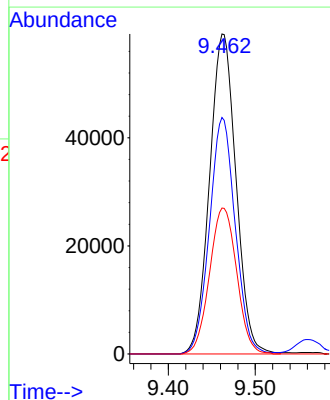
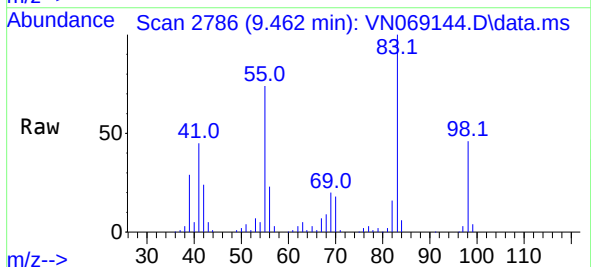
APPROVED

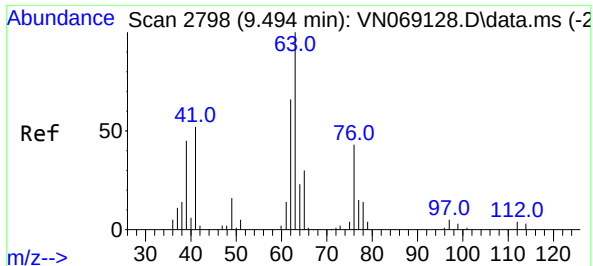
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#38
Methylcyclohexane
Concen: 20.035 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 83 Resp: 125102
Ion Ratio Lower Upper
83 100
55 72.3 35.1 105.3
98 46.8 23.4 70.2





#39

1,2-Dichloropropane

Concen: 20.468 ug/l

RT: 9.494 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 7644

Ion Ratio Lower Upper

63 100

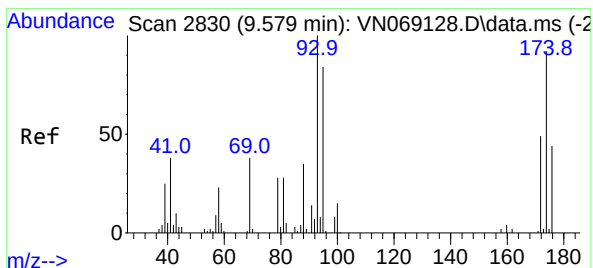
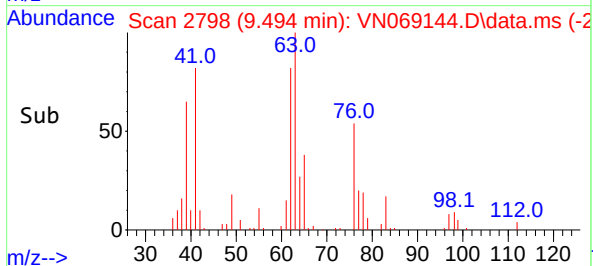
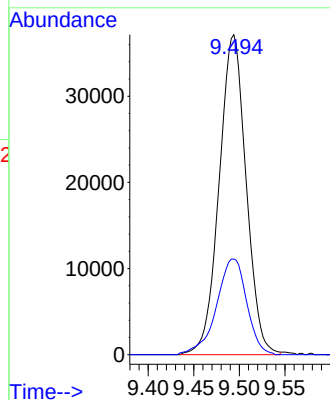
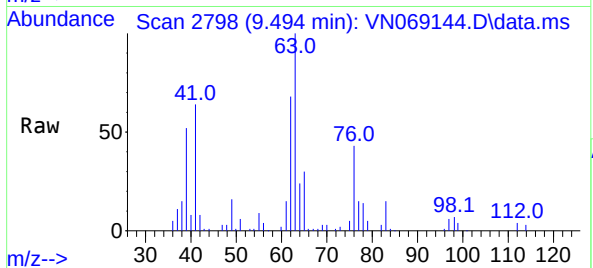
65 29.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#40

Dibromomethane

Concen: 20.511 ug/l

RT: 9.580 min Scan# 2830

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

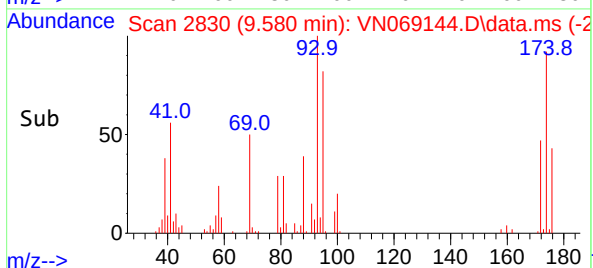
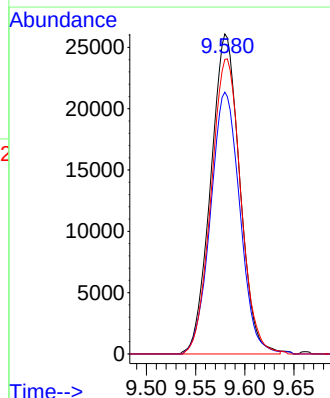
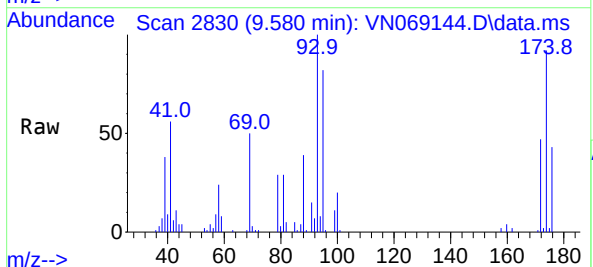
Tgt Ion: 93 Resp: 53558

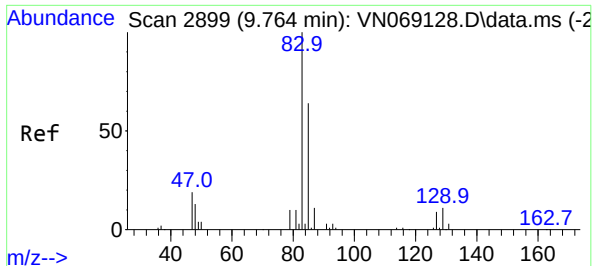
Ion Ratio Lower Upper

93 100

95 82.9 0.0 168.8

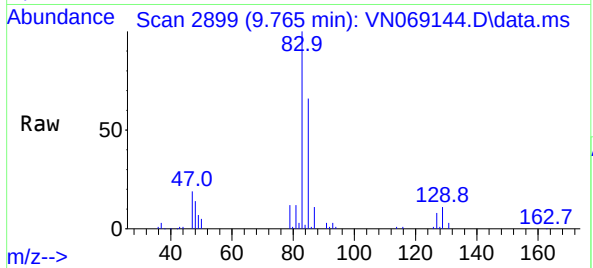
174 94.2 0.0 173.6





#41
Bromodichloromethane
Concen: 19.963 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

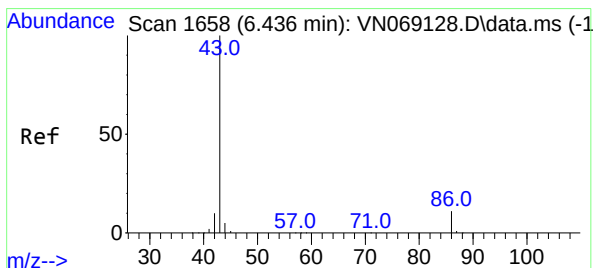
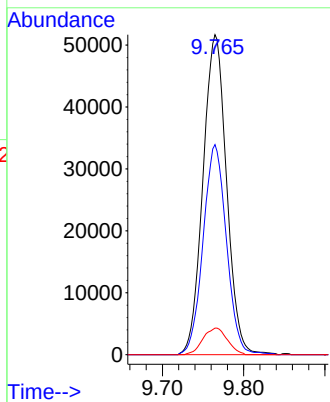
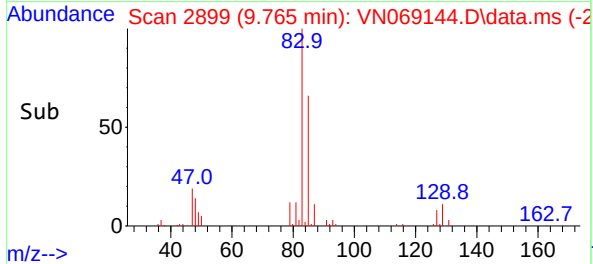
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 104160
Ion Ratio Lower Upper
83 100
85 65.6 54.1 81.1
127 8.3 7.6 11.4

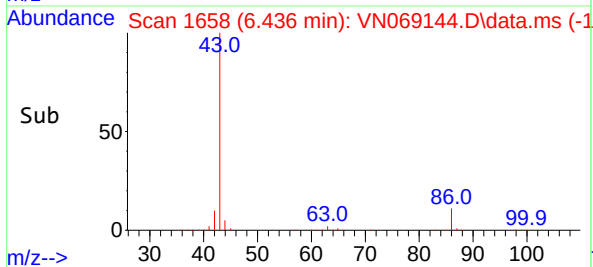
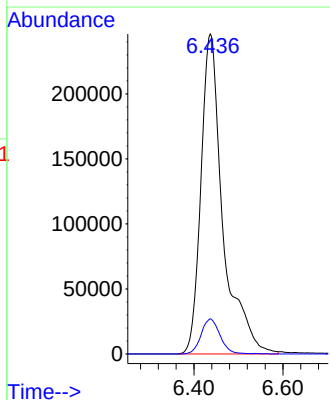
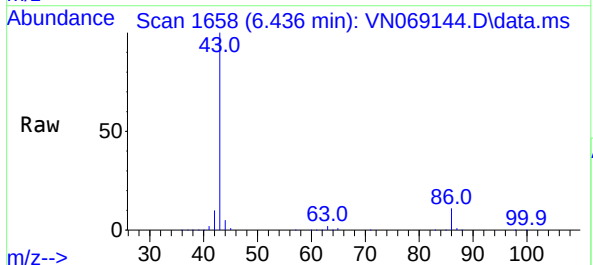
Manual Integrations
APPROVED

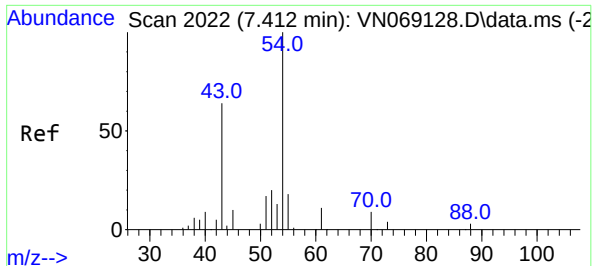
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#42
Vinyl Acetate
Concen: 100.534 ug/l
RT: 6.436 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion: 43 Resp: 844860
Ion Ratio Lower Upper
43 100
86 9.4 7.5 11.3





#43

Ethyl Acetate

Concen: 21.156 ug/l

RT: 7.413 min Scan# 2022

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

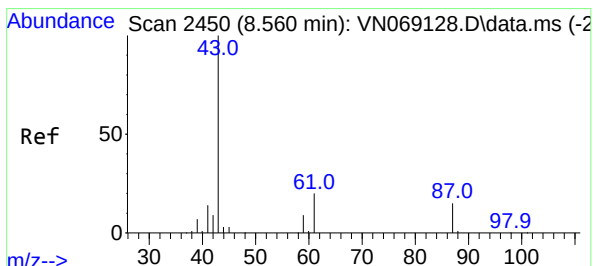
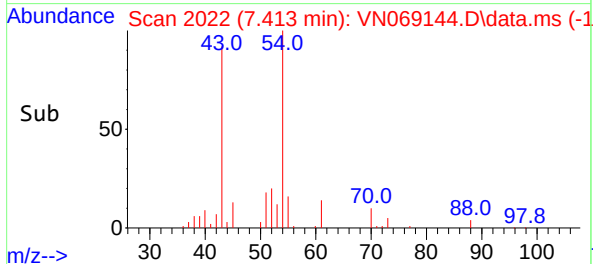
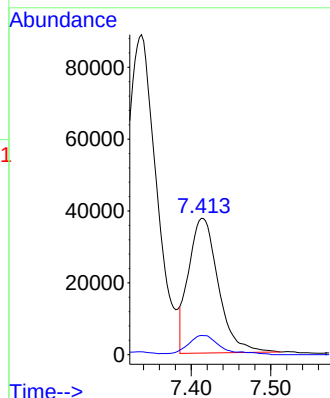
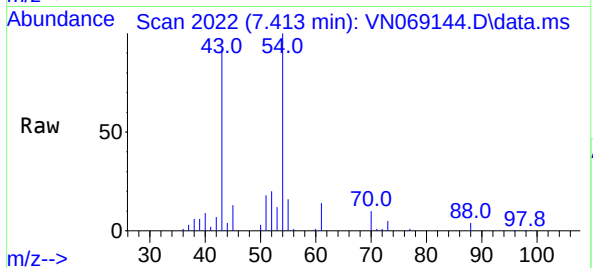
VSTDCCC020EC

Tgt Ion: 43 Resp: 97195
 Ion Ratio Lower Upper
 43 100
 45 6.8 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021



#44

Isopropyl Acetate

Concen: 19.874 ug/l

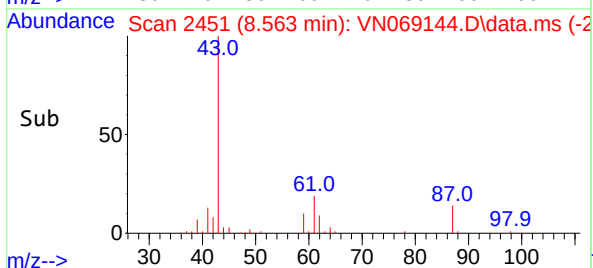
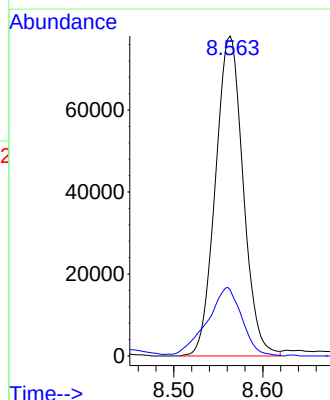
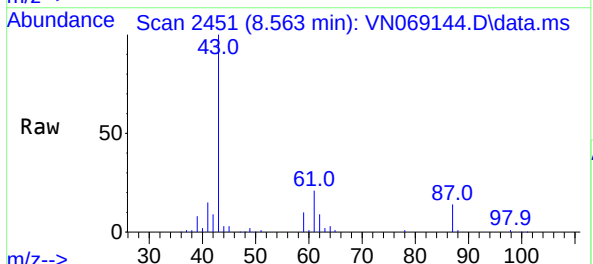
RT: 8.563 min Scan# 2451

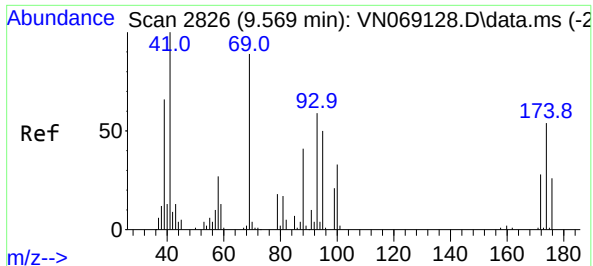
Delta R.T. 0.003 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

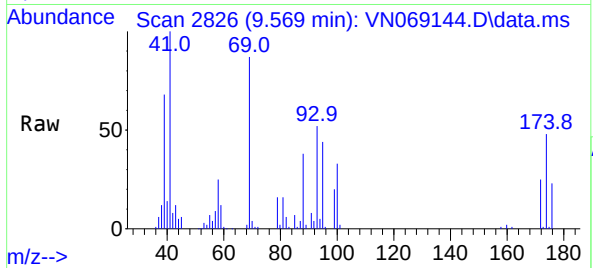
Tgt Ion: 43 Resp: 169062
 Ion Ratio Lower Upper
 43 100
 61 26.9 20.1 30.1





#45
1,4-Dioxane
Concen: 407.952 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

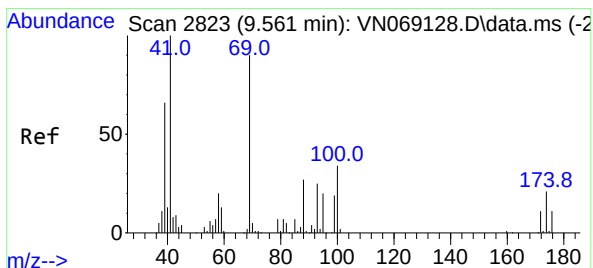
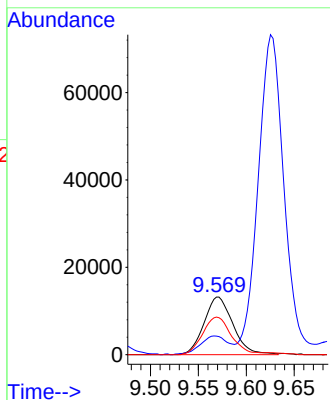
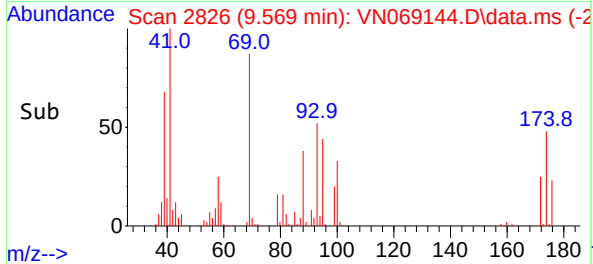
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



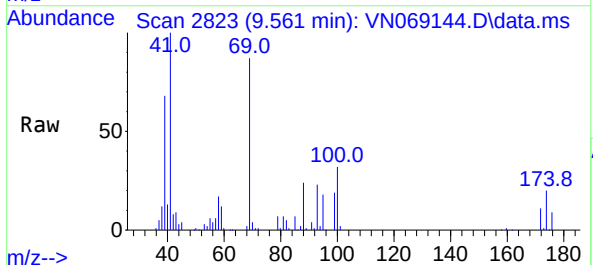
Tgt Ion: 88 Resp: 27774
Ion Ratio Lower Upper
88 100
43 31.5 25.0 37.6
58 64.9 49.4 74.2

Manual Integrations
APPROVED

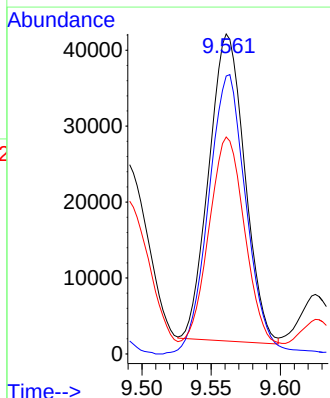
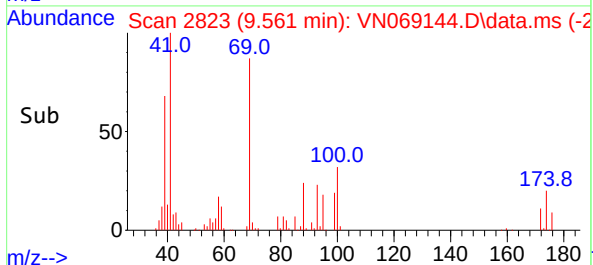
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

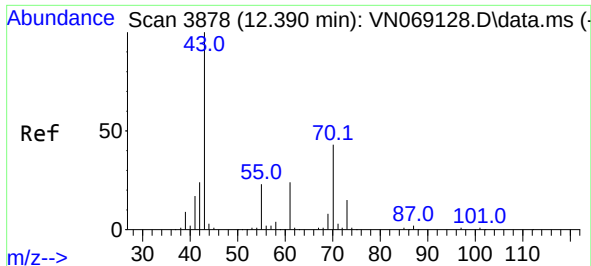


#46
Methyl methacrylate
Concen: 18.945 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



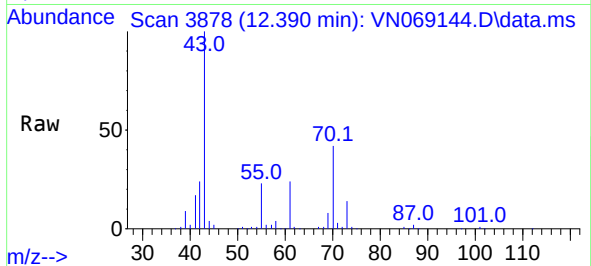
Tgt Ion: 41 Resp: 72851
Ion Ratio Lower Upper
41 100
69 90.0 44.4 133.2
39 67.6 39.9 119.6





#47
n-amyl acetate
Concen: 19.170 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

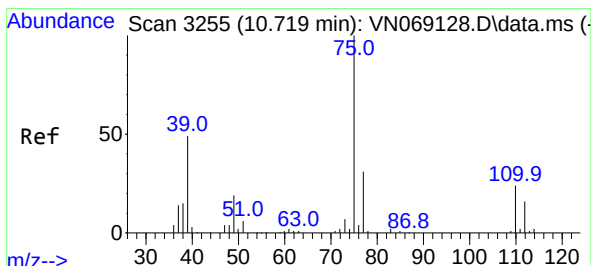
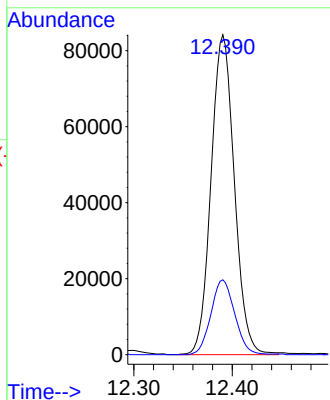
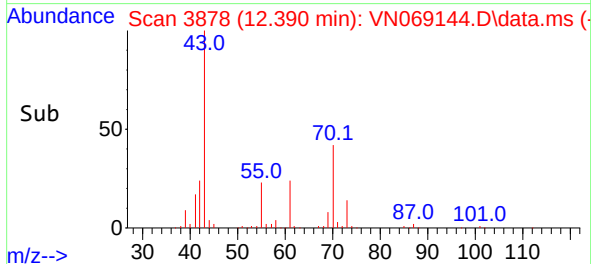
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



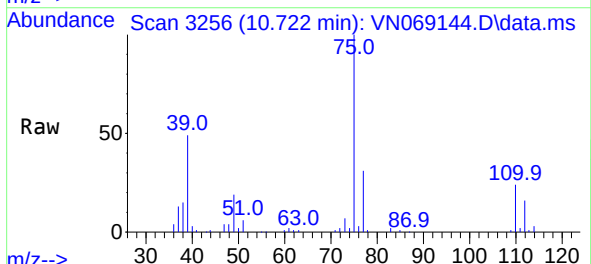
Tgt Ion: 43 Resp: 138440
Ion Ratio Lower Upper
43 100
55 23.9 19.0 28.6

Manual Integrations
APPROVED

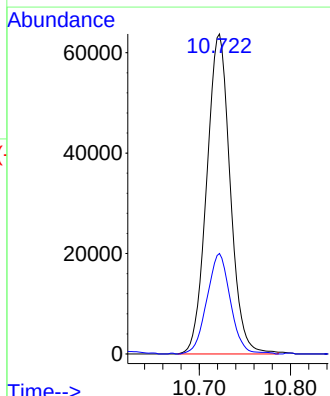
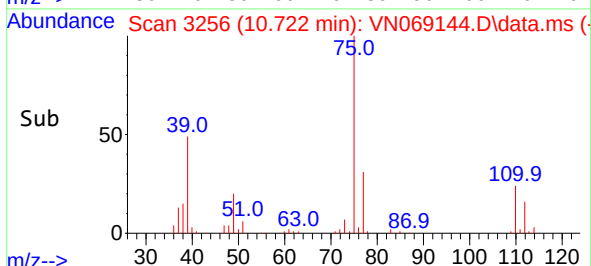
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

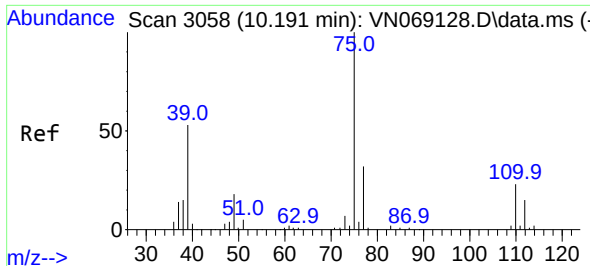


#48
t-1,3-Dichloropropene
Concen: 18.878 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



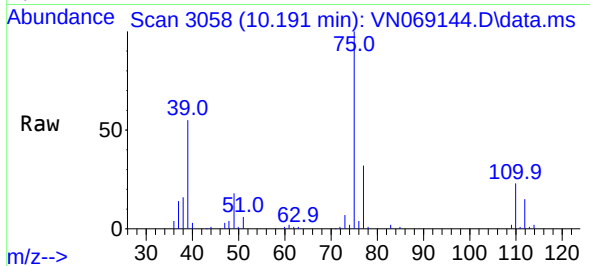
Tgt Ion: 75 Resp: 113930
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 19.237 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.000 min
 Lab File: VN069144.D
 Acq: 22 Oct 2021 19:49

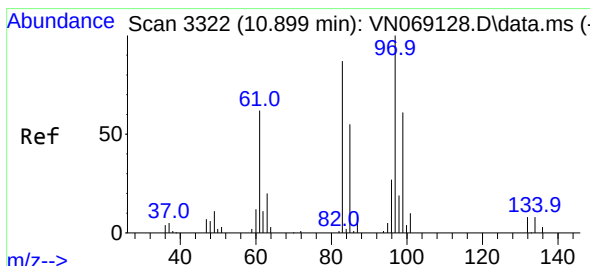
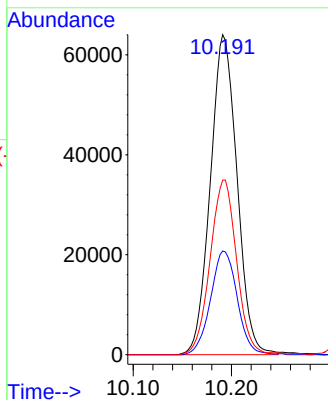
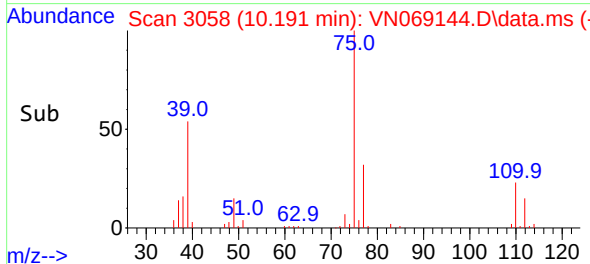
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



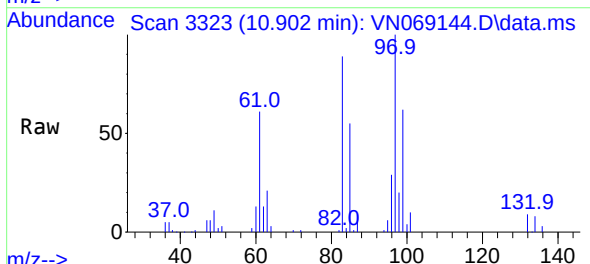
Tgt Ion: 75 Resp: 120897
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9
 39 54.5 46.2 69.4

Manual Integrations
 APPROVED

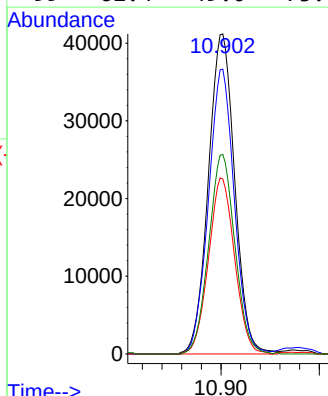
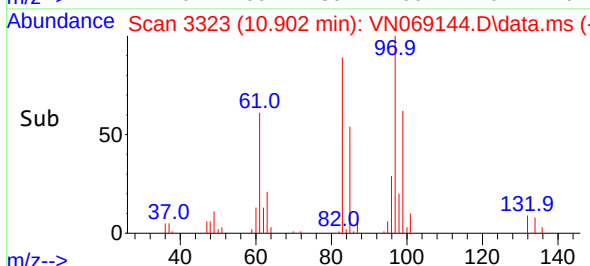
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021

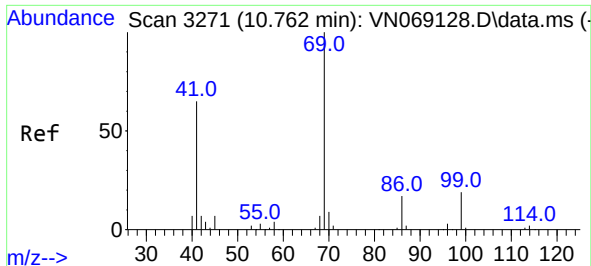


#50
 1,1,2-Trichloroethane
 Concen: 20.509 ug/l
 RT: 10.902 min Scan# 3323
 Delta R.T. 0.003 min
 Lab File: VN069144.D
 Acq: 22 Oct 2021 19:49



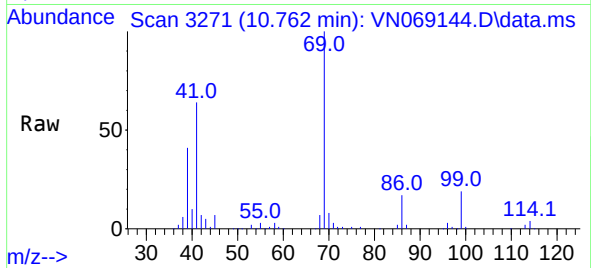
Tgt Ion: 97 Resp: 76856
 Ion Ratio Lower Upper
 97 100
 83 89.0 67.2 100.8
 85 54.7 43.0 64.4
 99 62.4 49.0 73.4





#51
Ethyl methacrylate
Concen: 20.128 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

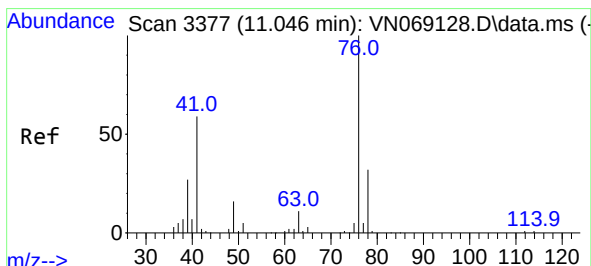
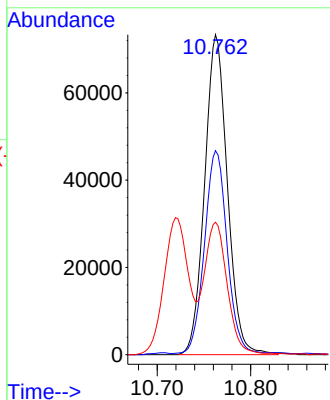
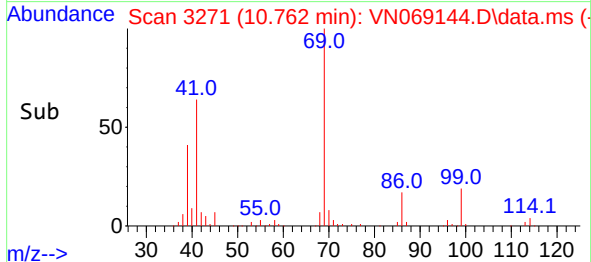
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



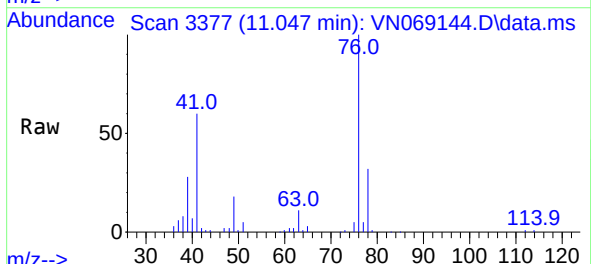
Tgt Ion: 69 Resp: 124340
Ion Ratio Lower Upper
69 100
41 63.2 33.0 98.9
39 41.1 25.4 76.4

Manual Integrations
APPROVED

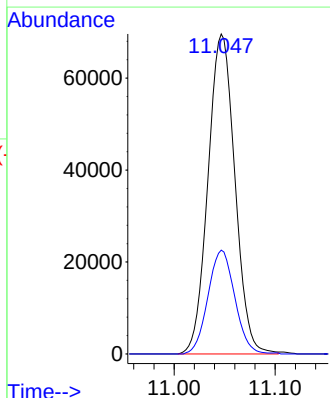
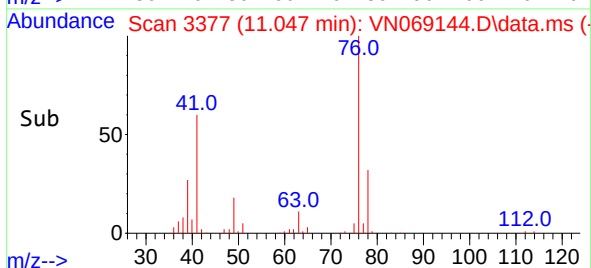
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

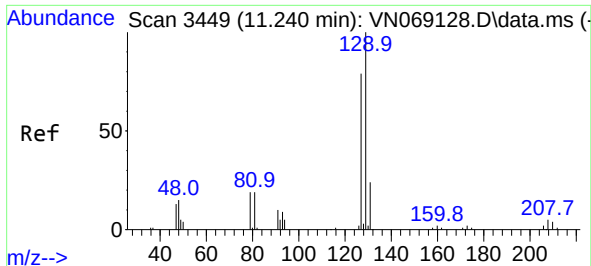


#52
1,3-Dichloropropane
Concen: 20.435 ug/l
RT: 11.047 min Scan# 3377
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



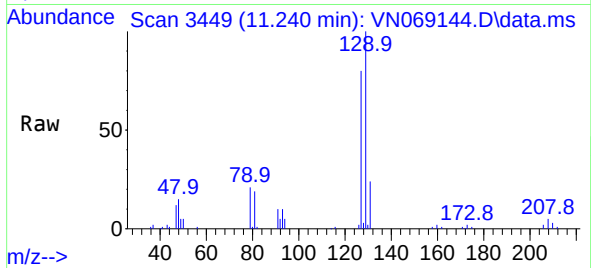
Tgt Ion: 76 Resp: 128845
Ion Ratio Lower Upper
76 100
78 32.3 0.0 65.4





#53
Dibromochloromethane
Concen: 19.577 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

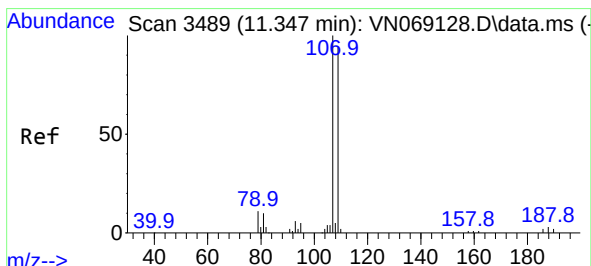
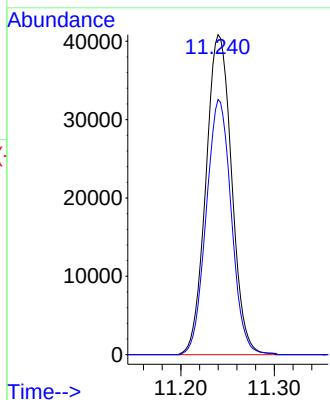
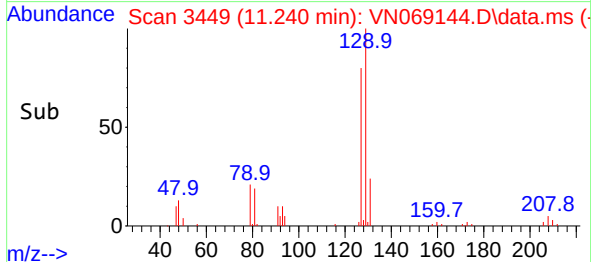
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



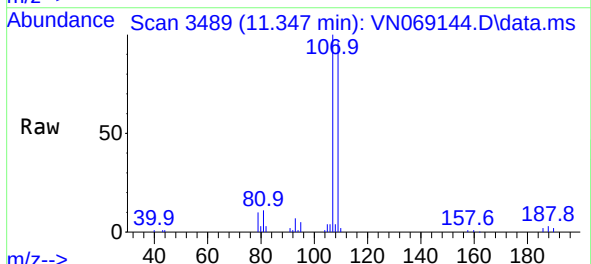
Tgt Ion:129 Resp: 78319
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0

Manual Integrations
APPROVED

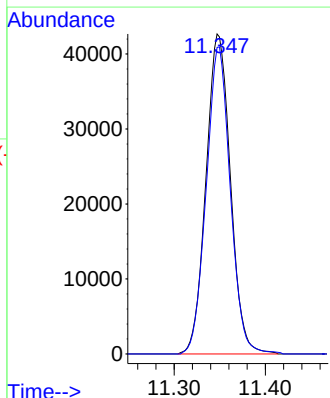
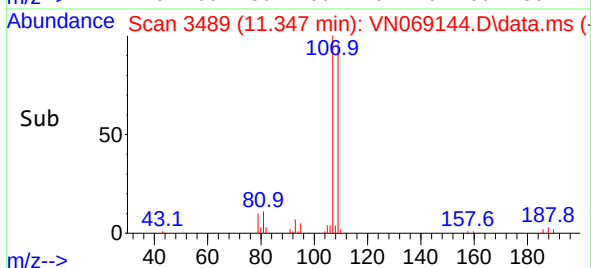
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

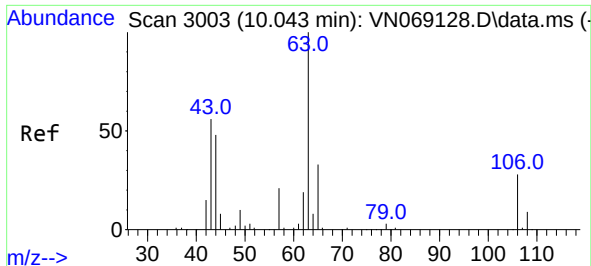


#54
1,2-Dibromoethane
Concen: 20.263 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion:107 Resp: 79382
Ion Ratio Lower Upper
107 100
109 94.3 72.8 109.2





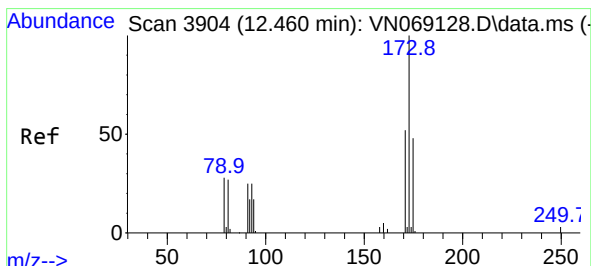
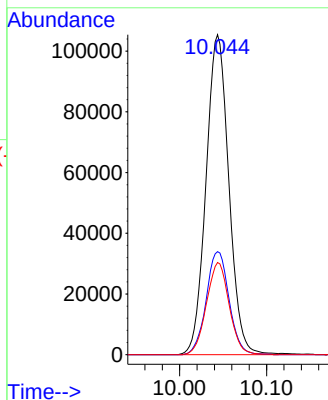
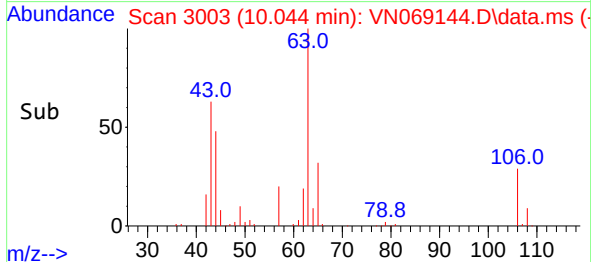
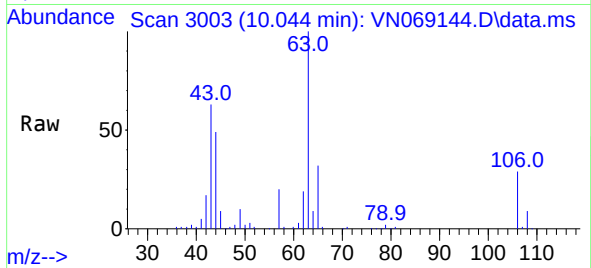
#55
2-Chloroethyl vinyl ether
Concen: 98.000 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 192208
Ion Ratio Lower Upper
63 100
65 32.3 25.4 38.0
106 28.7 23.2 34.8

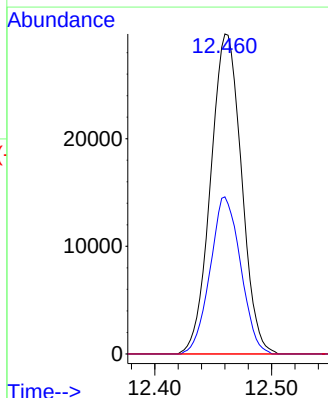
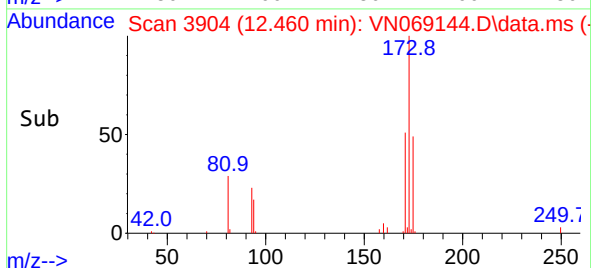
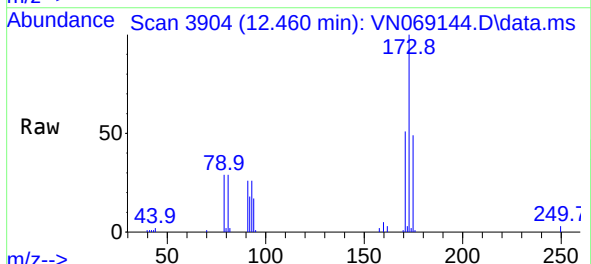
Manual Integrations
APPROVED

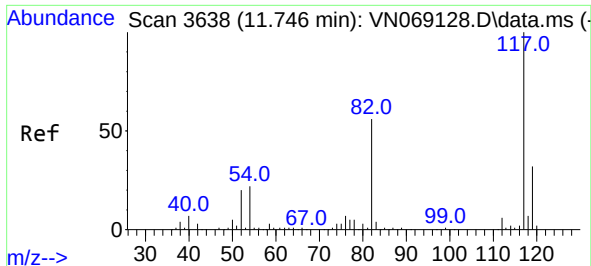
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#56
Bromoform
Concen: 18.928 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion:173 Resp: 54583
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

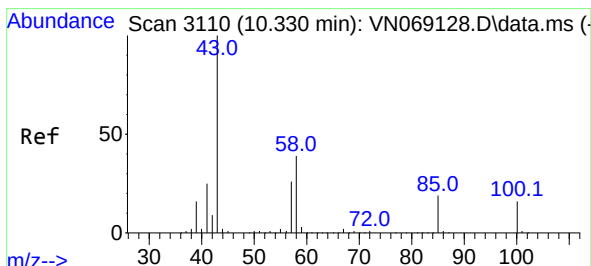
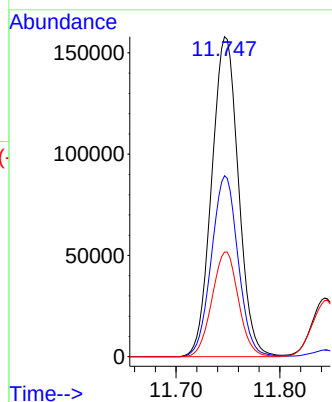
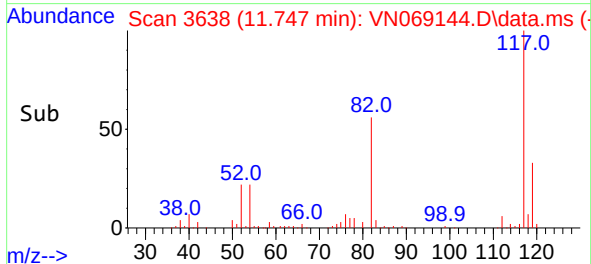
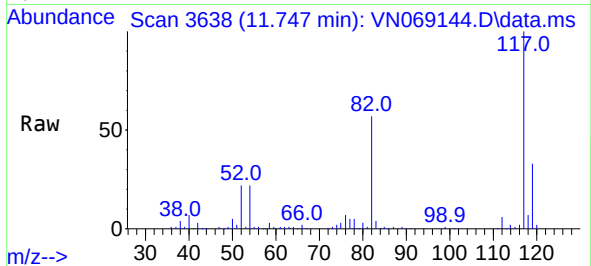
VSTDCCC020EC

Tgt Ion:117 Resp: 28272
Ion Ratio Lower Upper
117 100
82 56.6 43.6 65.4
119 32.5 25.8 38.6

Manual Integrations

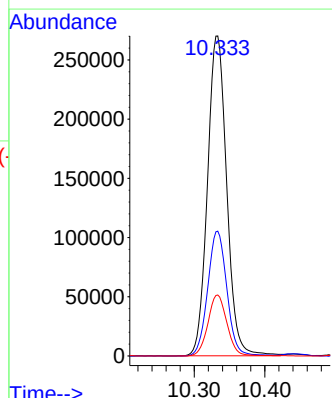
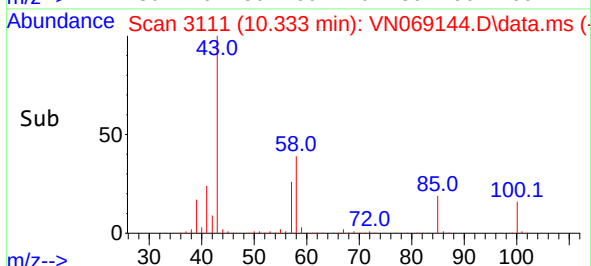
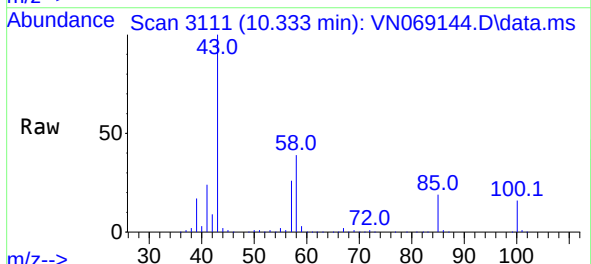
APPROVED

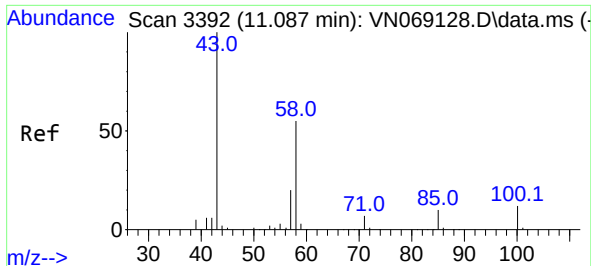
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#58
4-Methyl-2-Pentanone
Concen: 107.318 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

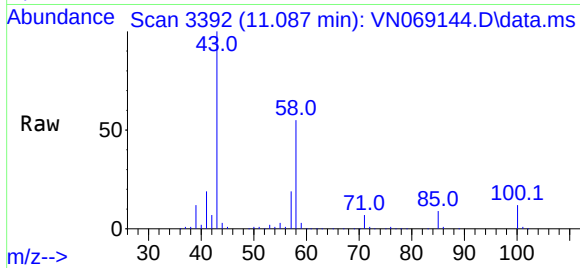
Tgt Ion: 43 Resp: 511881
Ion Ratio Lower Upper
43 100
58 39.0 30.0 45.0
85 18.8 15.0 22.6





#59
2-Hexanone
Concen: 102.815 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

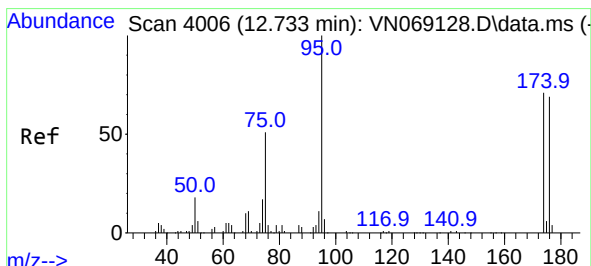
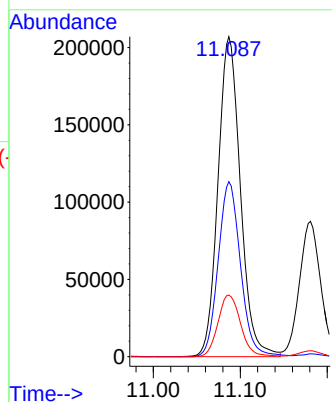
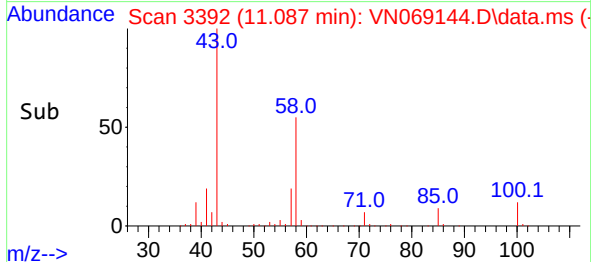
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



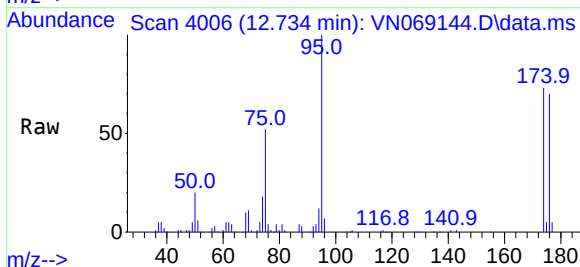
Tgt Ion: 43 Resp: 37033
Ion Ratio Lower Upper
43 100
58 54.5 42.2 63.2
57 19.5 15.0 22.4

Manual Integrations
APPROVED

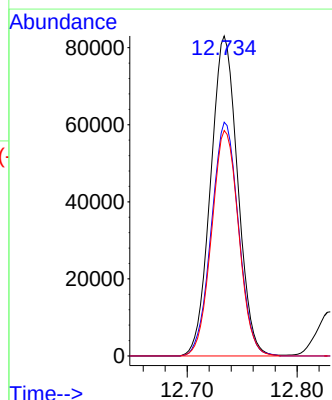
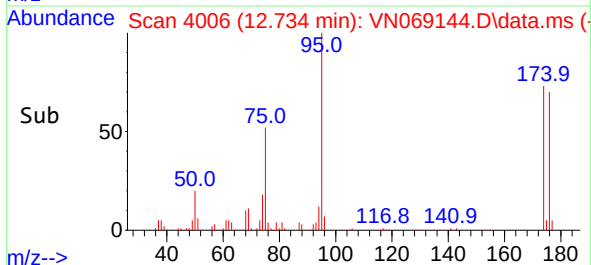
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

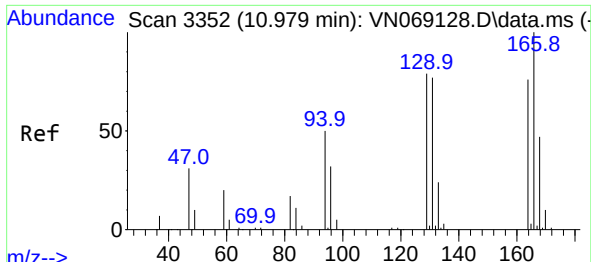


#60
4-Bromofluorobenzene
Concen: 29.237 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



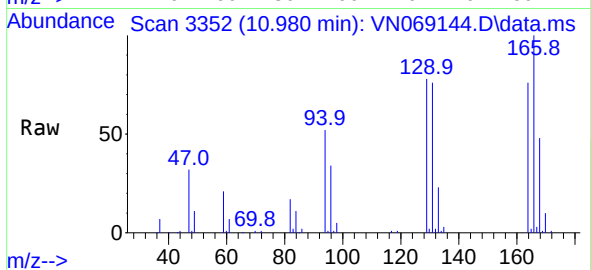
Tgt Ion: 95 Resp: 141738
Ion Ratio Lower Upper
95 100
174 73.6 62.9 94.3
176 70.6 61.0 91.4





#61
Tetrachloroethene
Concen: 22.140 ug/l
RT: 10.980 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

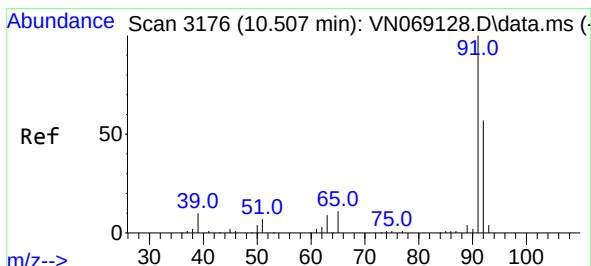
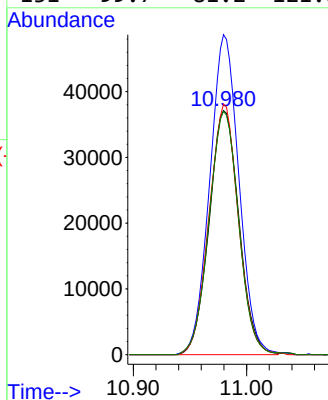
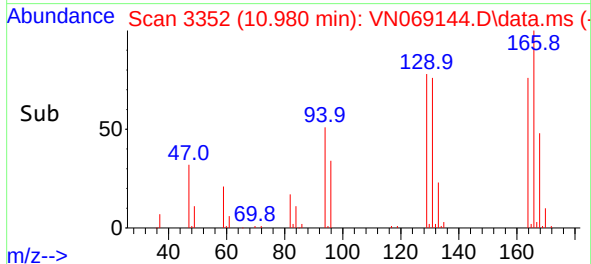
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



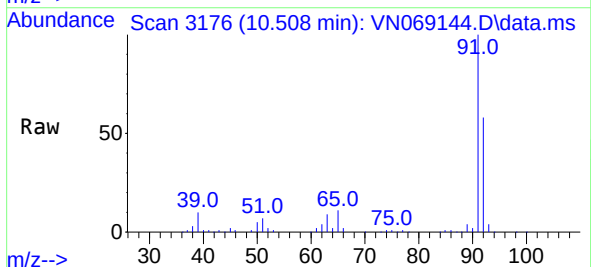
Tgt Ion:164 Resp: 6803
Ion Ratio Lower Upper
164 100
166 130.6 105.8 158.8
129 102.6 82.5 123.7
131 99.7 81.2 121.8

Manual Integrations
APPROVED

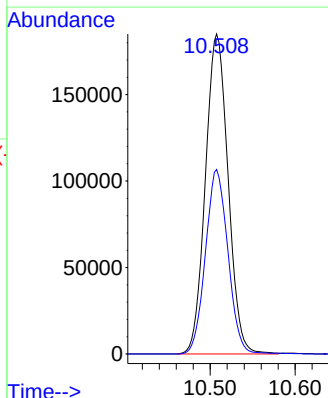
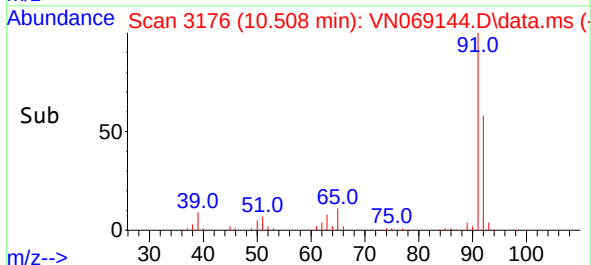
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

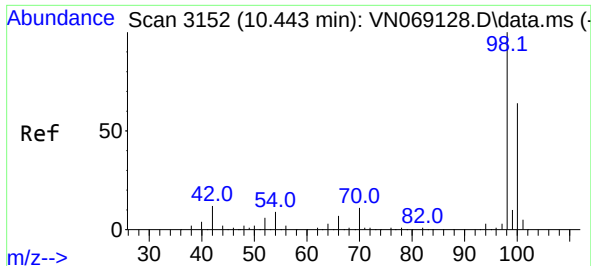


#62
Toluene
Concen: 20.843 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 91 Resp: 343237
Ion Ratio Lower Upper
91 100
92 57.1 44.6 67.0





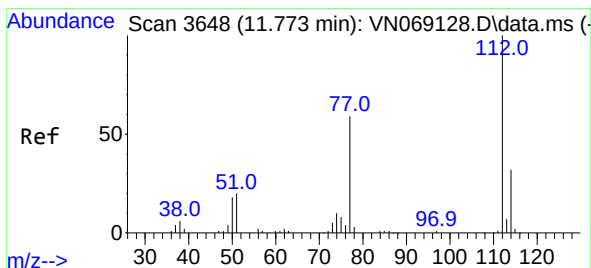
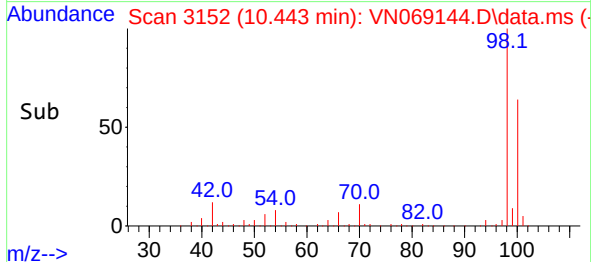
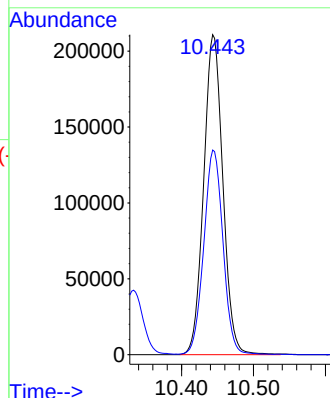
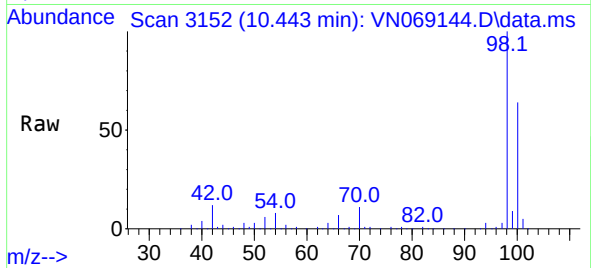
#63
Toluene-d8
Concen: 30.690 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 392030
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0

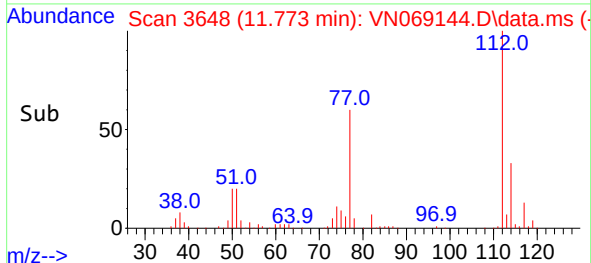
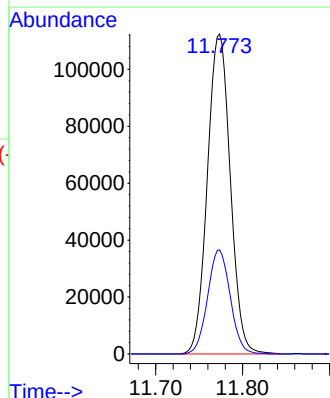
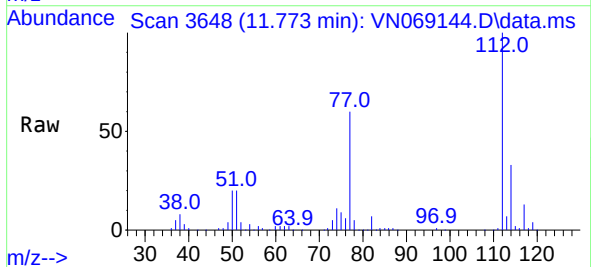
Manual Integrations
APPROVED

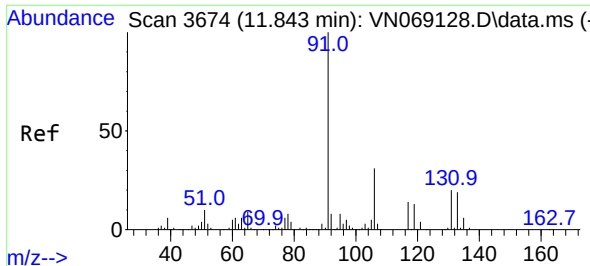
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#64
Chlorobenzene
Concen: 20.630 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

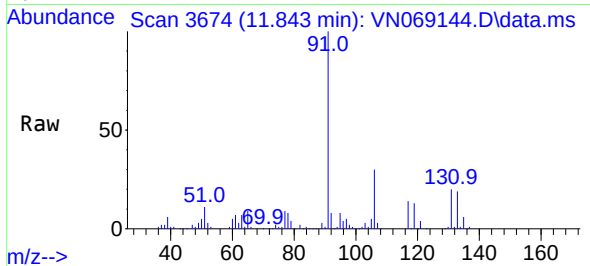
Tgt Ion:112 Resp: 206040
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 20.736 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

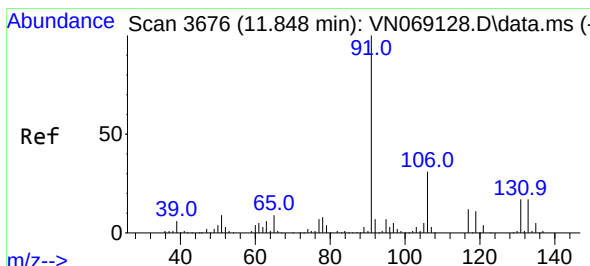
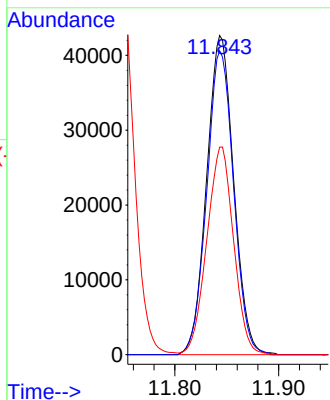
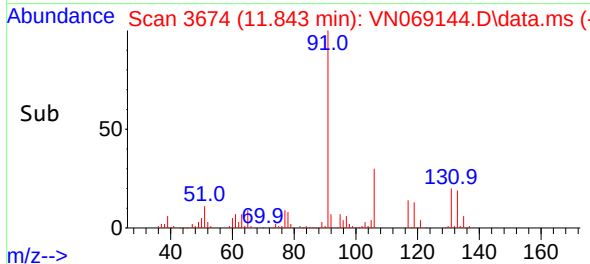
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



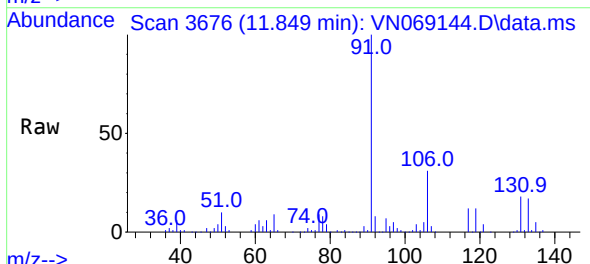
Tgt Ion:131 Resp: 77050
Ion Ratio Lower Upper
131 100
133 94.6 0.0 191.2
119 64.6 0.0 128.8

Manual Integrations
APPROVED

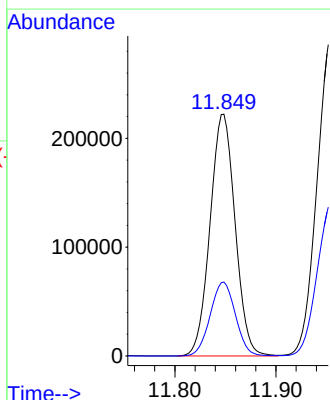
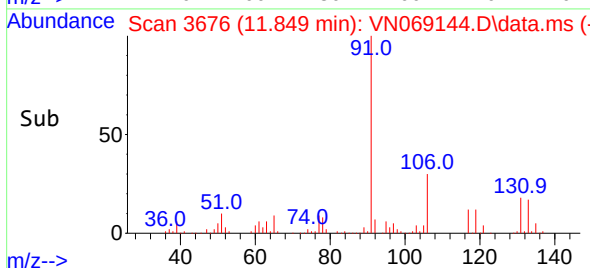
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

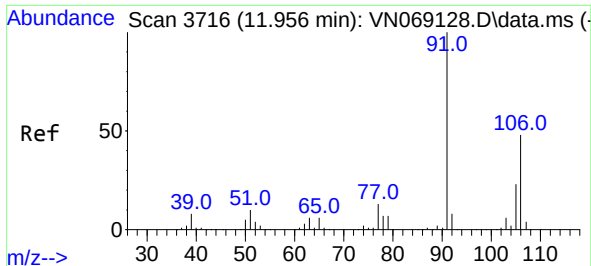


#66
Ethyl Benzene
Concen: 20.669 ug/l
RT: 11.849 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 91 Resp: 382669
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0





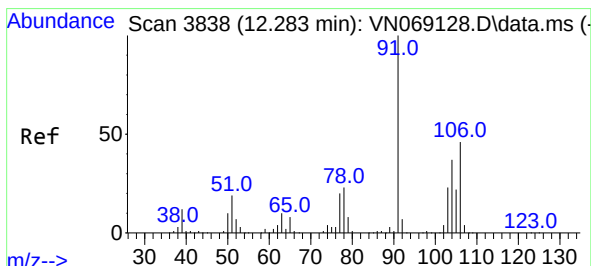
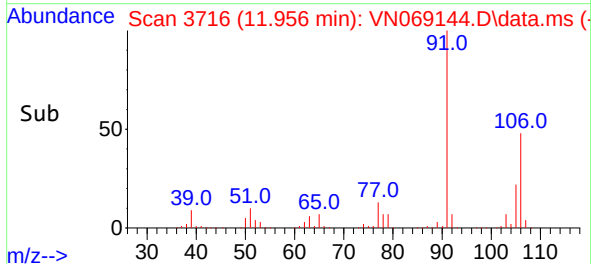
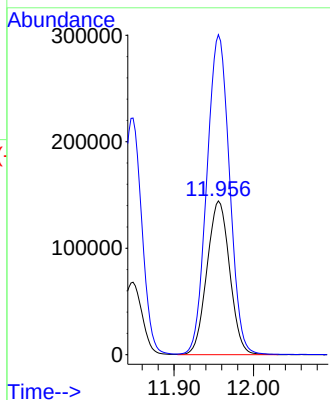
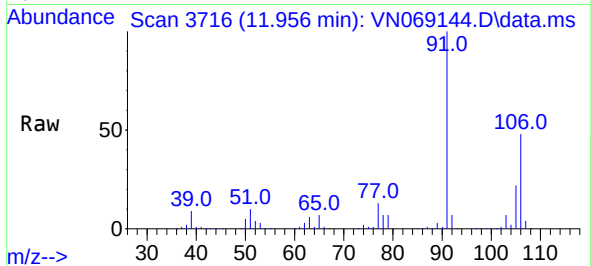
#67
m/p-Xylenes
Concen: 41.241 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 28714
Ion Ratio Lower Upper
106 100
91 207.1 162.9 244.3

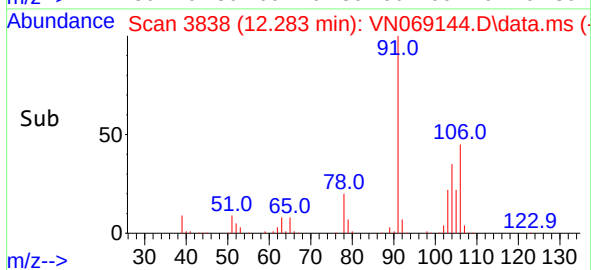
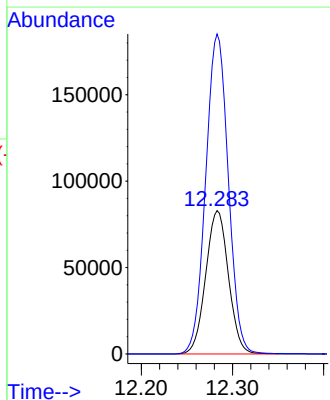
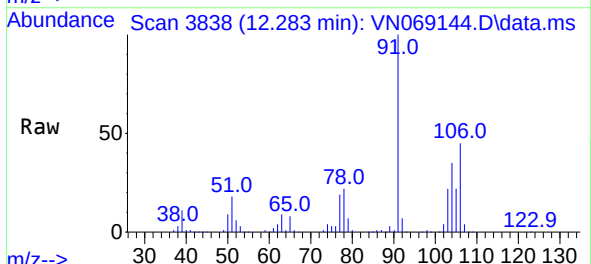
Manual Integrations
APPROVED

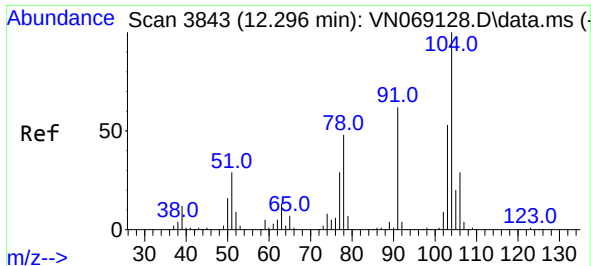
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#68
o-Xylene
Concen: 20.640 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Tgt Ion:106 Resp: 143893
Ion Ratio Lower Upper
106 100
91 221.5 107.7 323.1





#69

Styrene

Concen: 20.125 ug/l

RT: 12.296 min Scan# 3843

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

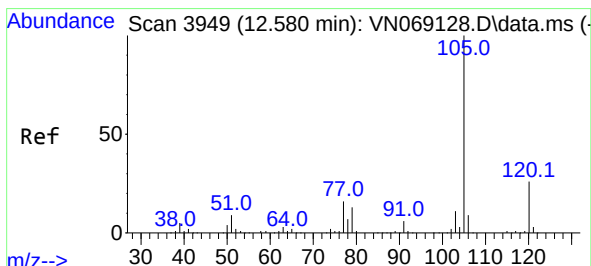
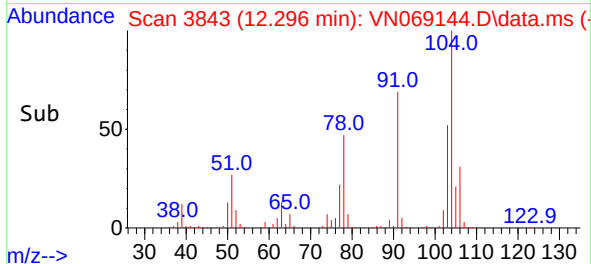
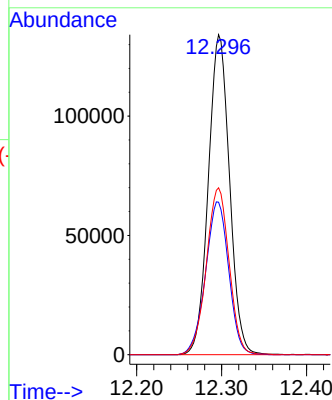
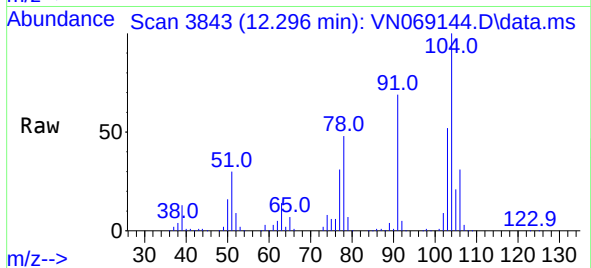
Tgt Ion:104 Resp: 232500
 Ion Ratio Lower Upper
 104 100
 78 52.3 40.7 61.1
 103 56.1 45.8 68.8

Manual Integrations

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Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#70

Isopropylbenzene

Concen: 20.490 ug/l

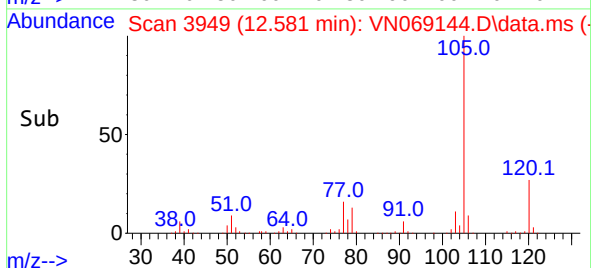
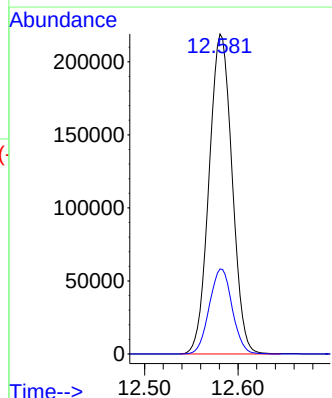
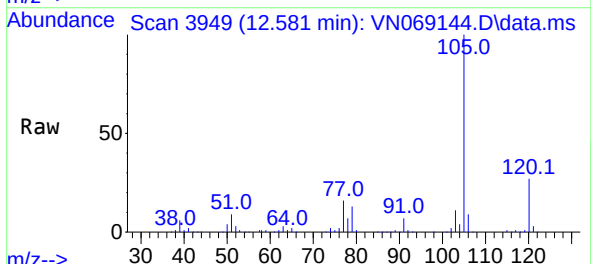
RT: 12.581 min Scan# 3949

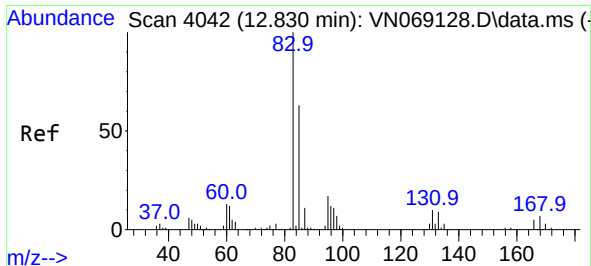
Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

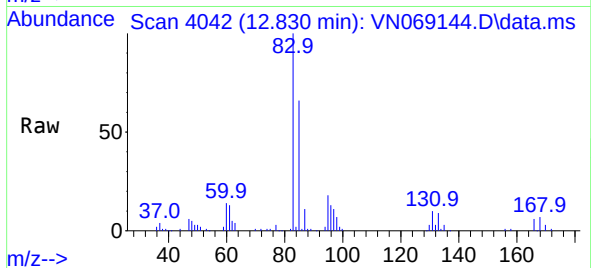
Tgt Ion:105 Resp: 374505
 Ion Ratio Lower Upper
 105 100
 120 26.4 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 20.812 ug/l
RT: 12.830 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

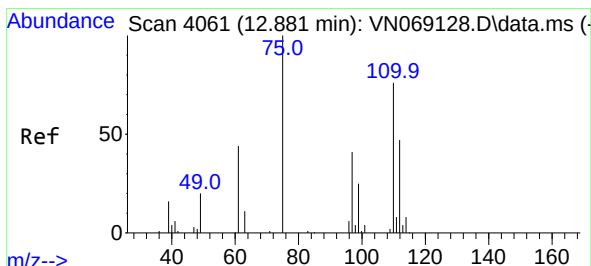
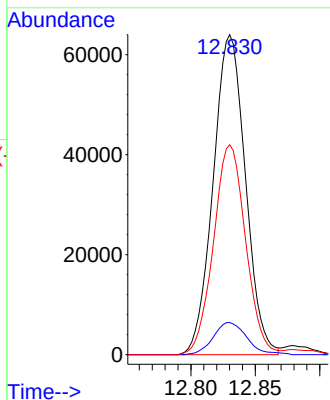
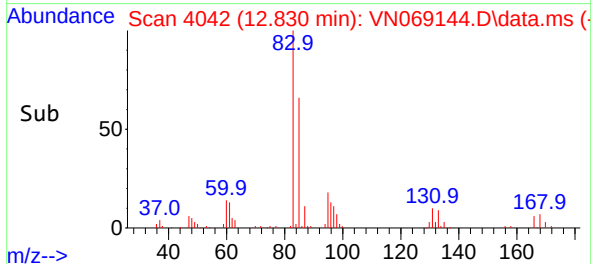
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



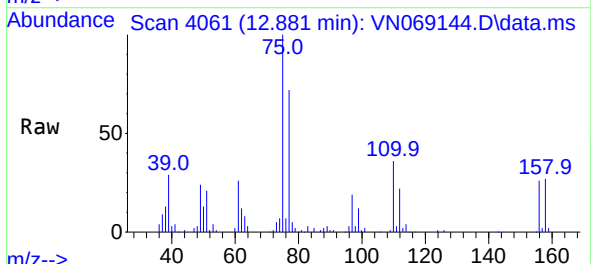
Tgt Ion: 83 Resp: 11149
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 65.3 33.1 99.2

Manual Integrations
APPROVED

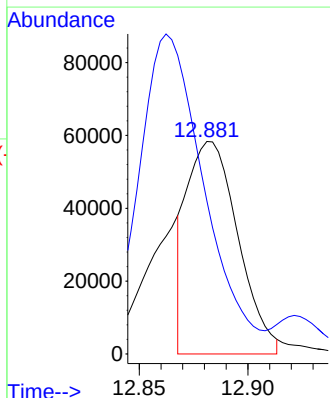
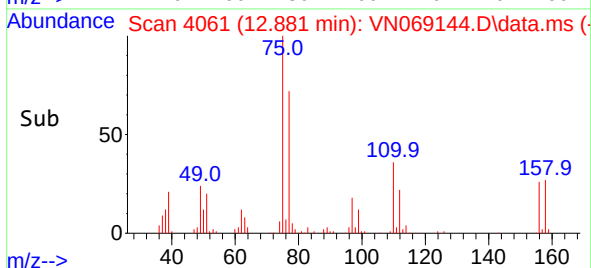
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

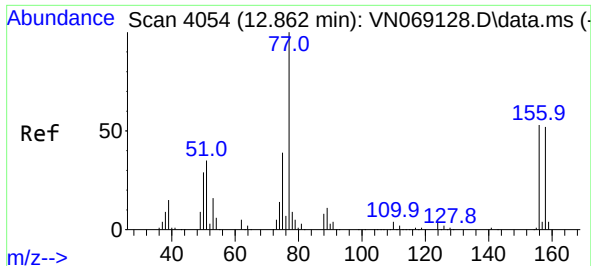


#72
1,2,3-Trichloropropane
Concen: 20.652 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



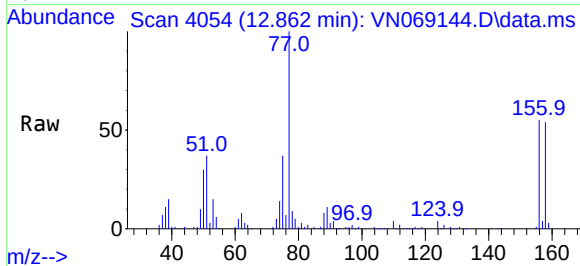
Tgt Ion: 75 Resp: 95064
Ion Ratio Lower Upper
75 100
77 193.7 0.0 378.0





#73
Bromobenzene
Concen: 20.438 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

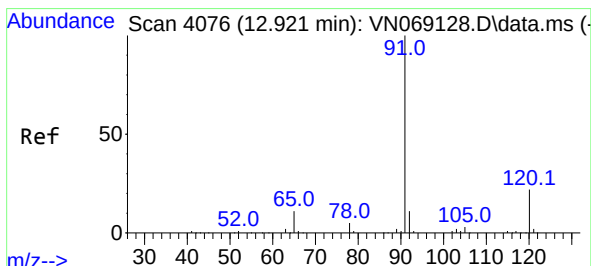
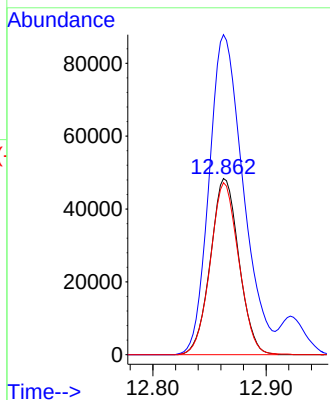
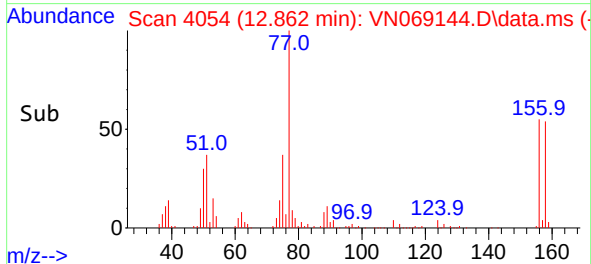
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



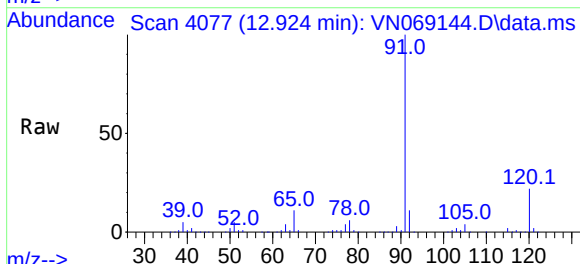
Tgt Ion:156 Resp: 84673
Ion Ratio Lower Upper
156 100
77 217.4 0.0 416.0
158 97.6 0.0 195.4

Manual Integrations
APPROVED

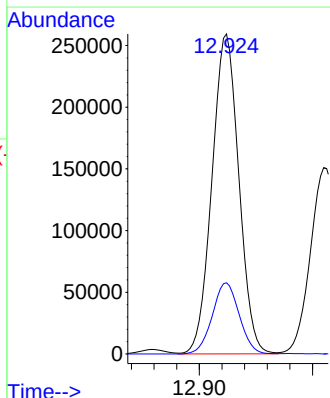
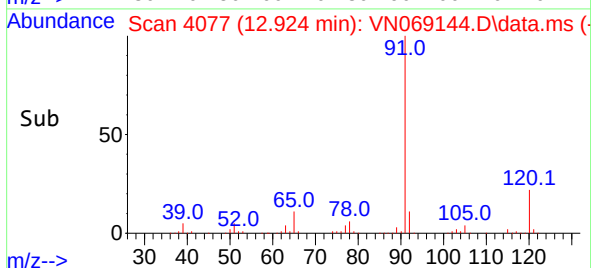
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

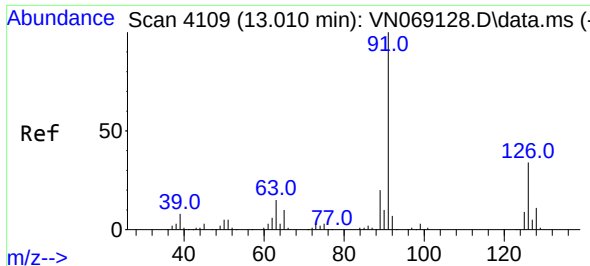


#74
n-propylbenzene
Concen: 20.327 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 91 Resp: 426660
Ion Ratio Lower Upper
91 100
120 22.3 0.0 45.0





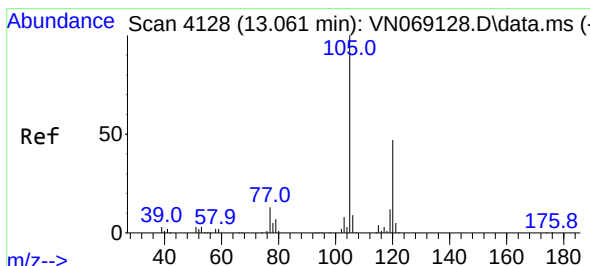
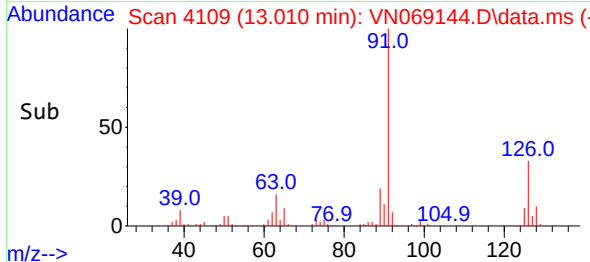
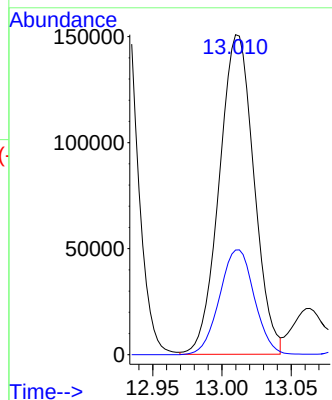
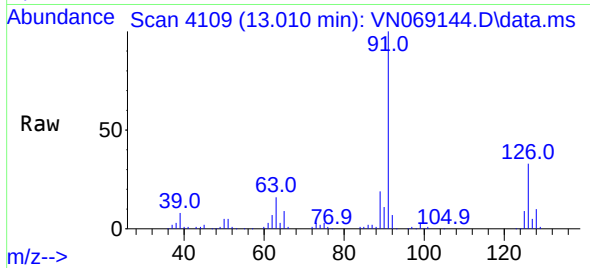
#75
2-Chlorotoluene
Concen: 20.449 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 262820
Ion Ratio Lower Upper
91 100
126 33.0 0.0 69.8

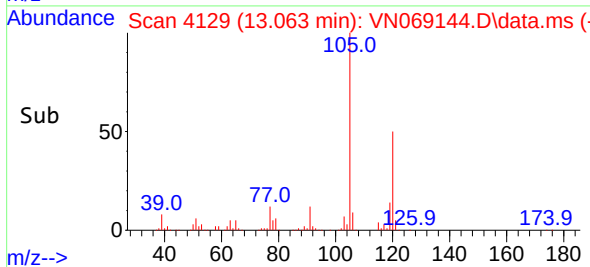
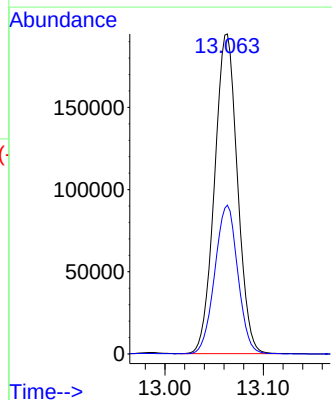
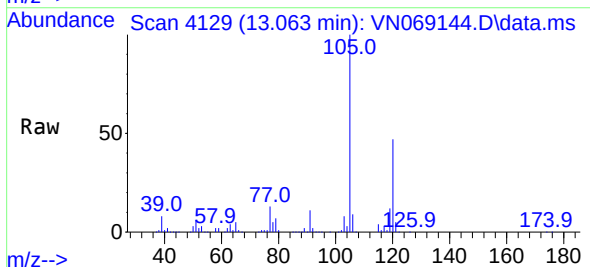
Manual Integrations
APPROVED

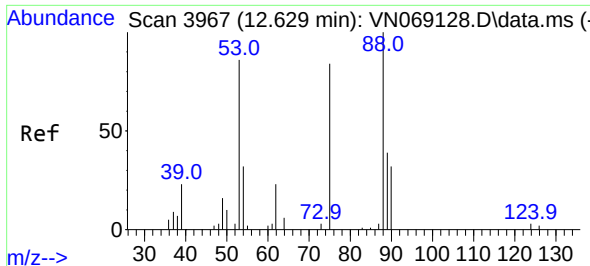
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#76
1,3,5-Trimethylbenzene
Concen: 20.701 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

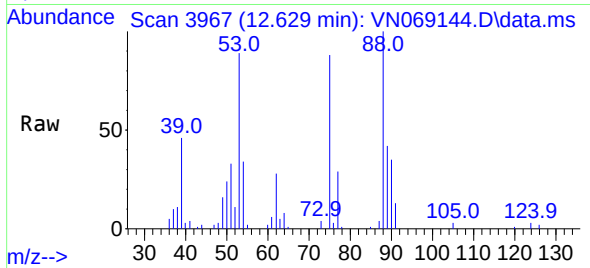
Tgt Ion:105 Resp: 315347
Ion Ratio Lower Upper
105 100
120 46.9 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 17.807 ug/l
RT: 12.629 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

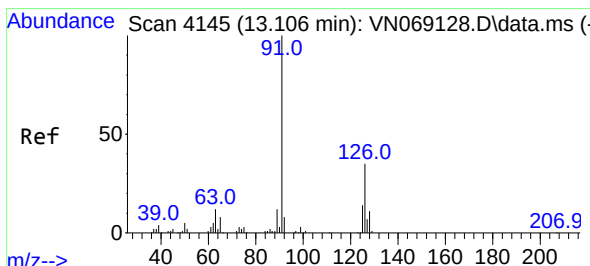
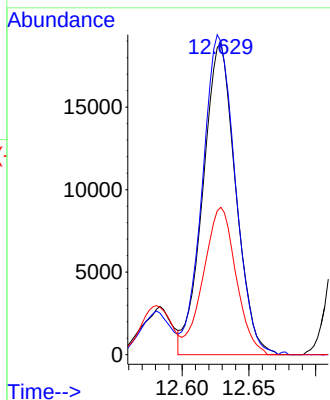
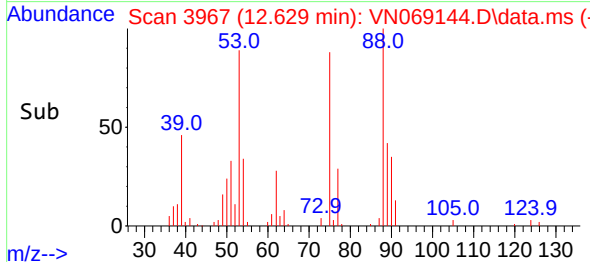
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



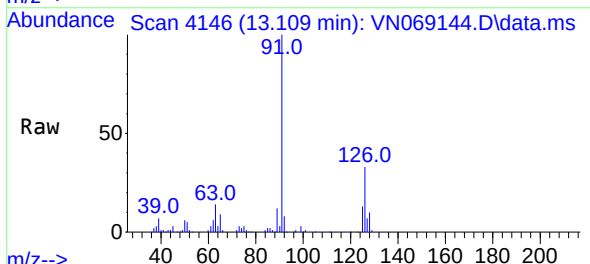
Tgt Ion: 75 Resp: 32050
Ion Ratio Lower Upper
75 100
53 100.6 51.8 155.5
89 47.4 22.9 68.7

Manual Integrations
APPROVED

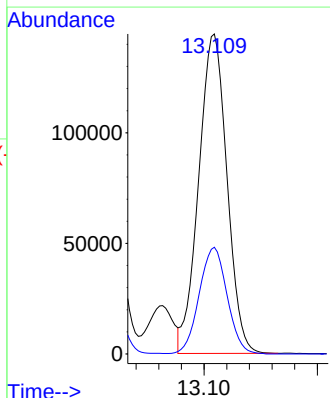
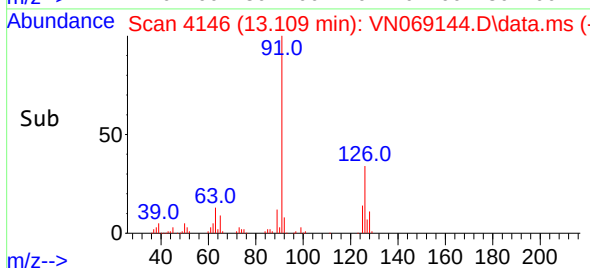
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

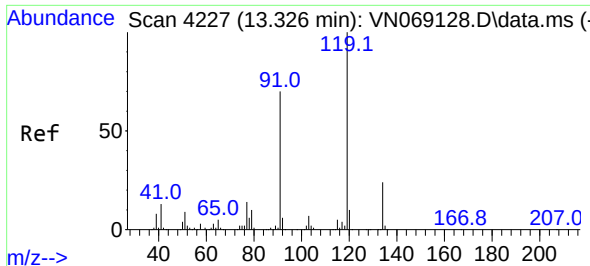


#78
4-Chlorotoluene
Concen: 19.838 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion: 91 Resp: 249882
Ion Ratio Lower Upper
91 100
126 33.0 0.0 70.6





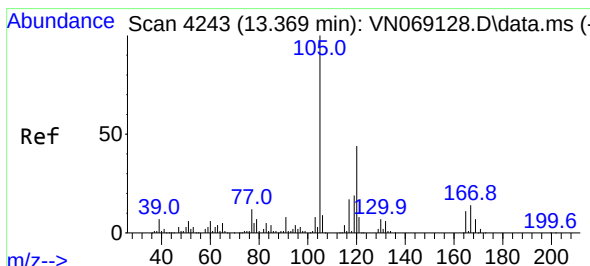
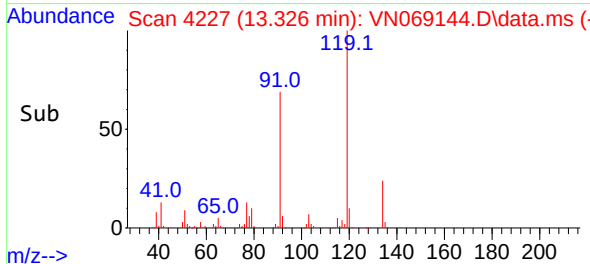
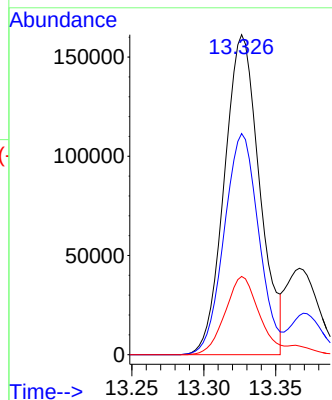
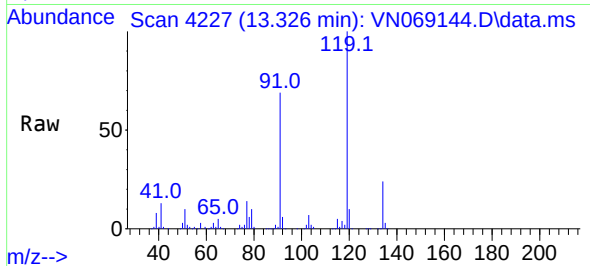
#79
tert-butylbenzene
Concen: 20.603 ug/l
RT: 13.326 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 27558
Ion Ratio Lower Upper
119 100
91 68.4 0.0 137.0
134 23.8 0.0 47.6

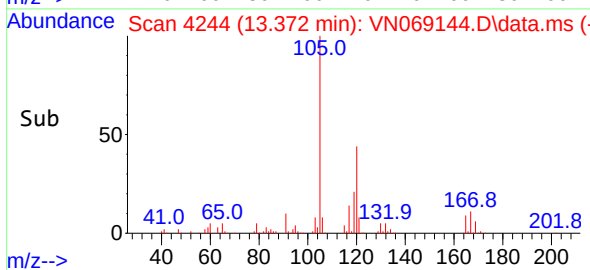
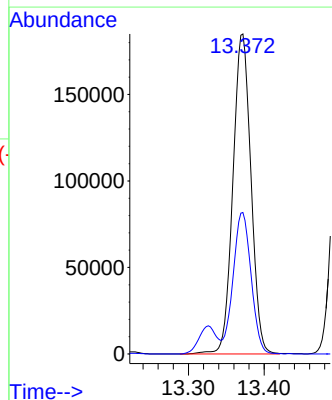
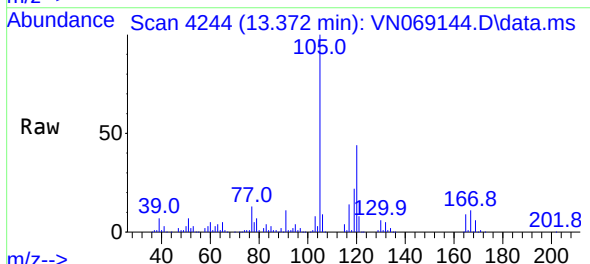
Manual Integrations
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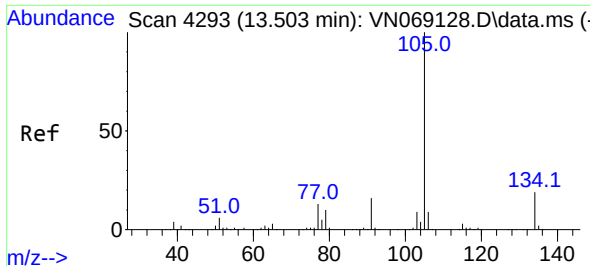
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#80
1,2,4-Trimethylbenzene
Concen: 20.421 ug/l m
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

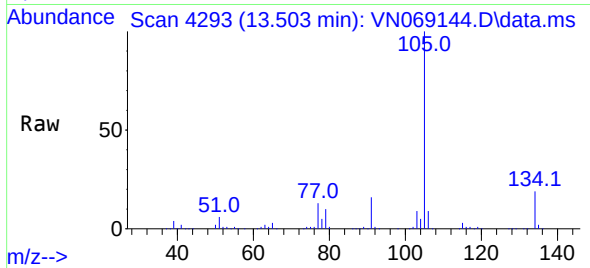
Tgt Ion:105 Resp: 305377
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2





#81
 sec-Butylbenzene
 Concen: 20.334 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069144.D
 Acq: 22 Oct 2021 19:49

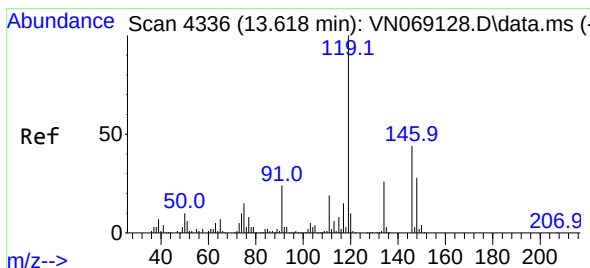
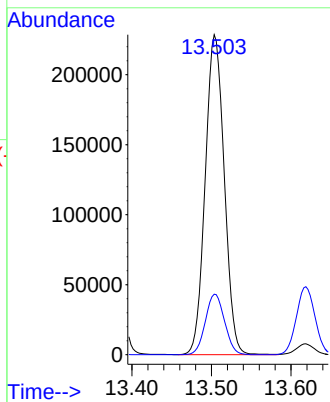
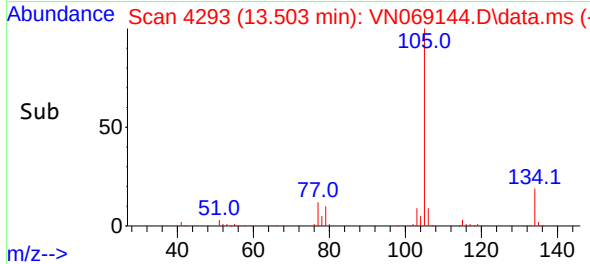
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



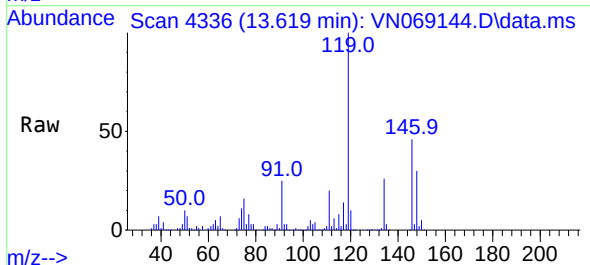
Tgt Ion:105 Resp: 38074
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 39.4

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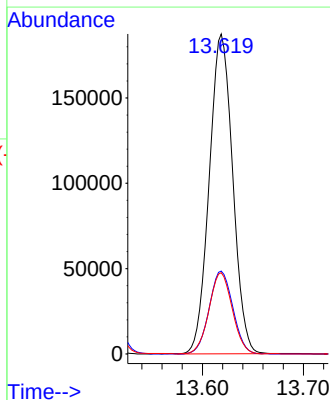
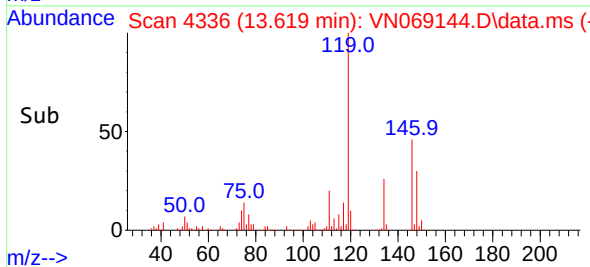
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021

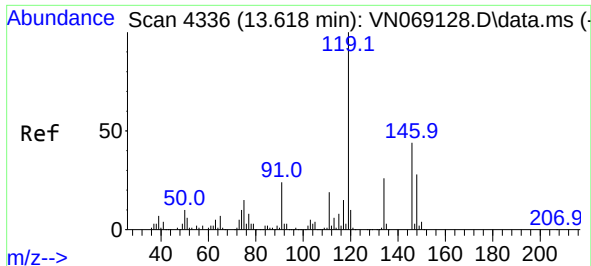


#82
 p-Isopropyltoluene
 Concen: 19.795 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN069144.D
 Acq: 22 Oct 2021 19:49



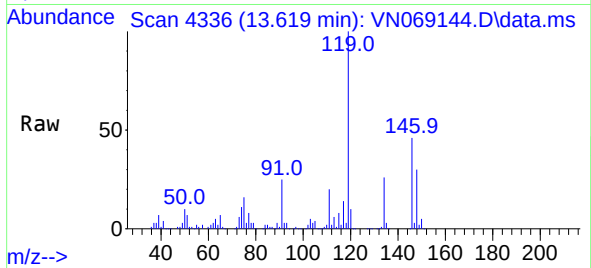
Tgt Ion:119 Resp: 302319
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 51.8
 91 25.3 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 19.985 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

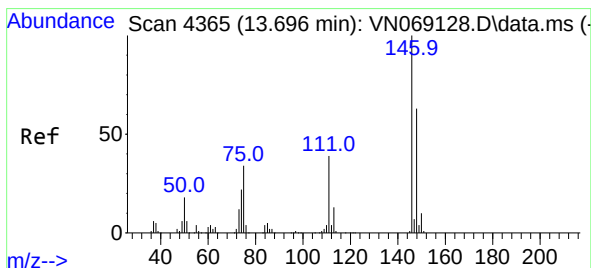
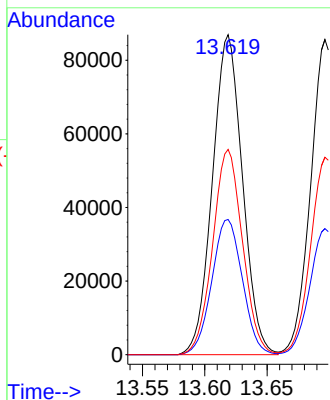
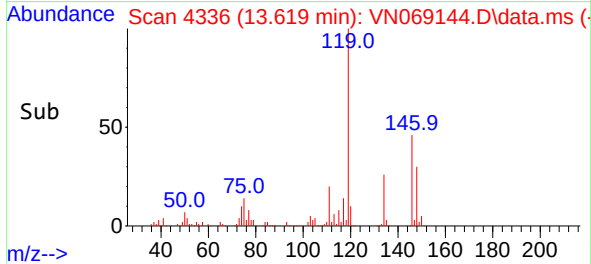
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



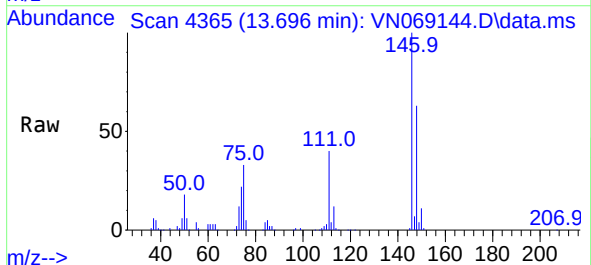
Tgt Ion:146 Resp: 145759
Ion Ratio Lower Upper
146 100
111 43.0 20.8 62.2
148 63.9 31.4 94.3

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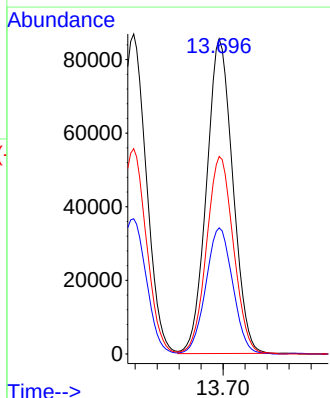
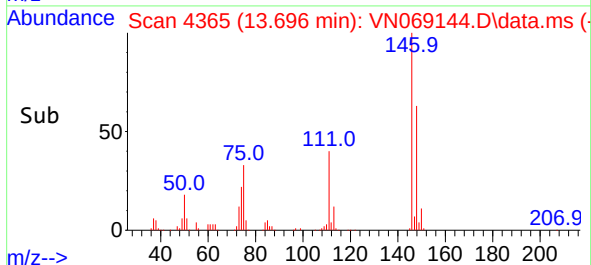
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

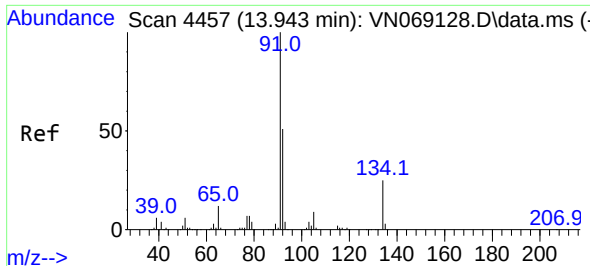


#84
1,4-Dichlorobenzene
Concen: 19.977 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



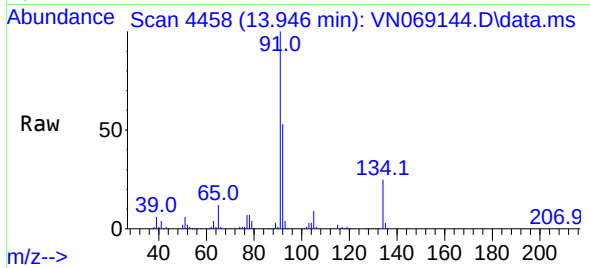
Tgt Ion:146 Resp: 141882
Ion Ratio Lower Upper
146 100
111 41.1 19.5 58.5
148 64.5 31.1 93.5





#85
n-Butylbenzene
Concen: 18.871 ug/l
RT: 13.946 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

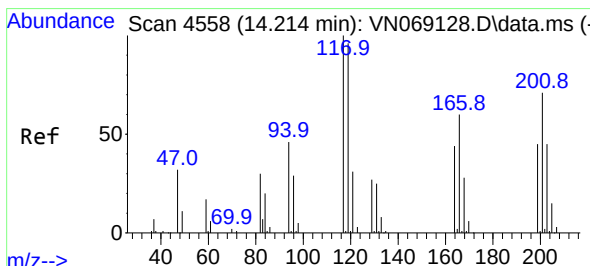
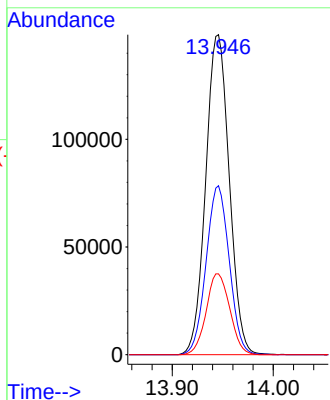
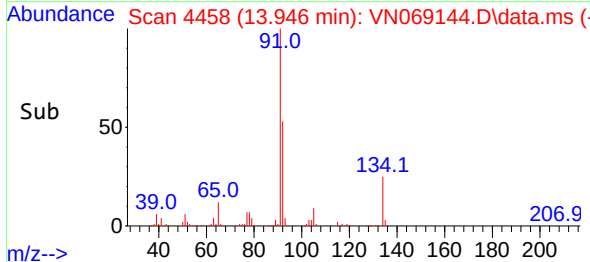
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



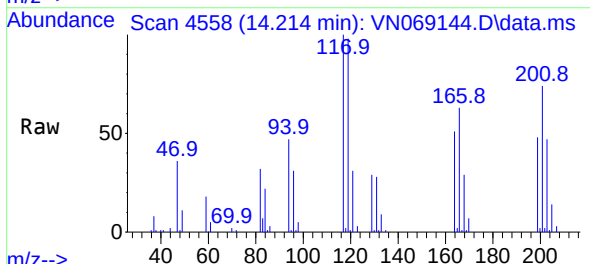
Tgt Ion: 91 Resp: 24104
Ion Ratio Lower Upper
91 100
92 51.9 0.0 100.6
134 25.3 0.0 50.2

Manual Integrations
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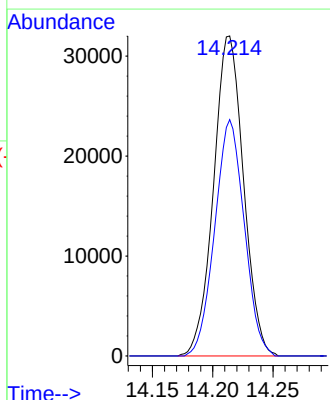
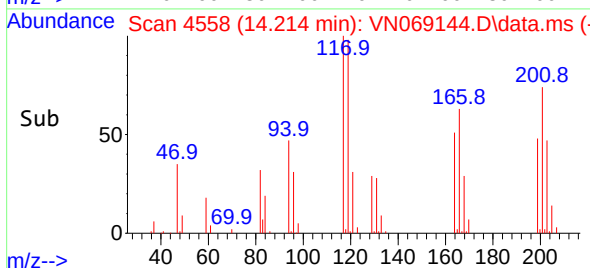
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

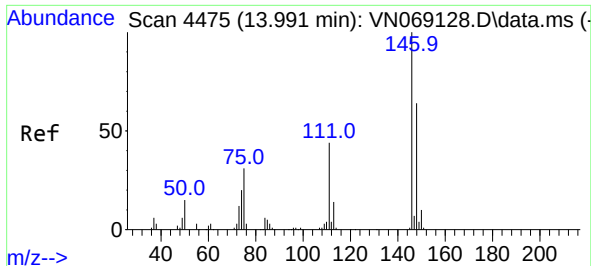


#86
Hexachloroethane
Concen: 19.365 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion:117 Resp: 55377
Ion Ratio Lower Upper
117 100
201 72.6 33.3 99.8





#87

1,2-Dichlorobenzene

Concen: 20.224 ug/l

RT: 13.991 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 140938

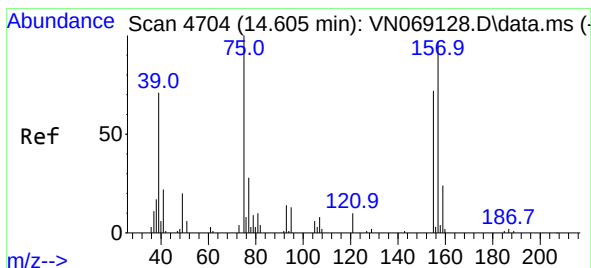
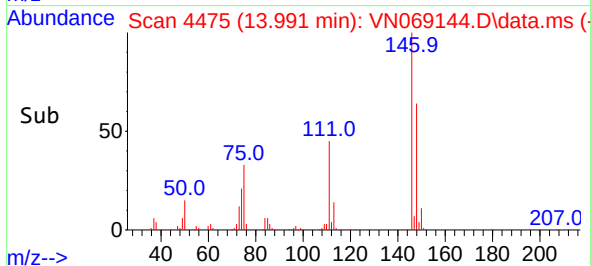
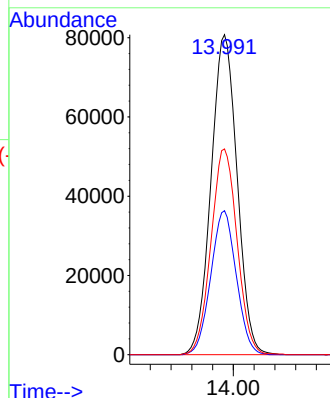
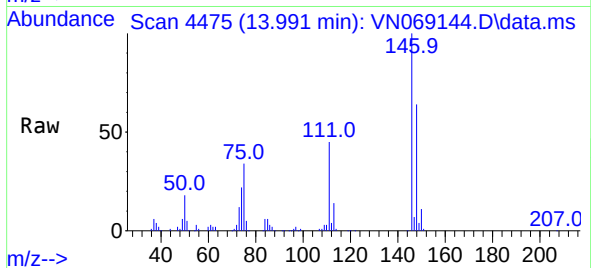
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.4	64.2
148	64.5	32.5	97.4

Manual Integrations

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Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.234 ug/l

RT: 14.606 min Scan# 4704

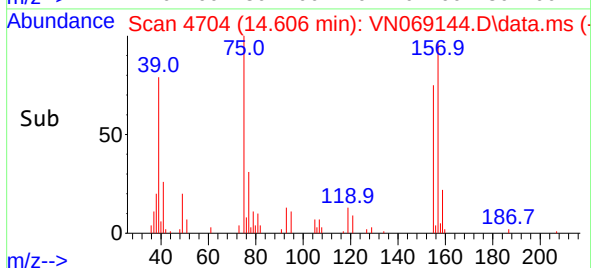
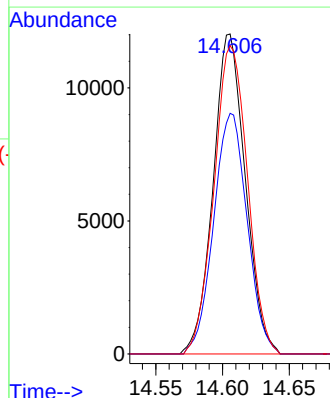
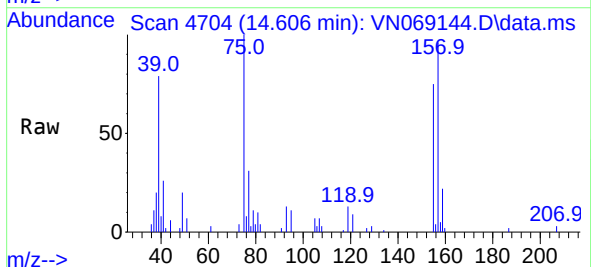
Delta R.T. 0.000 min

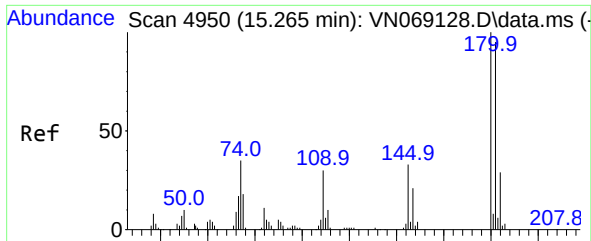
Lab File: VN069144.D

Acq: 22 Oct 2021 19:49

Tgt Ion: 75 Resp: 20190

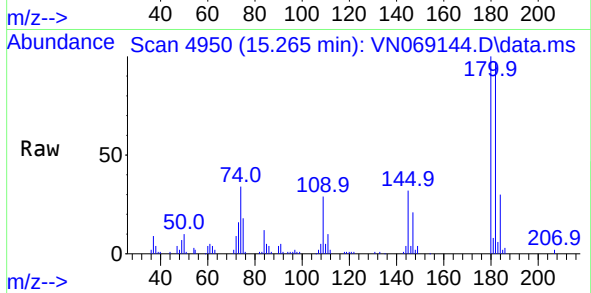
Ion	Ratio	Lower	Upper
75	100		
155	78.3	63.8	95.8
157	100.5	77.9	116.9





#89
1,2,4-Trichlorobenzene
Concen: 19.350 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

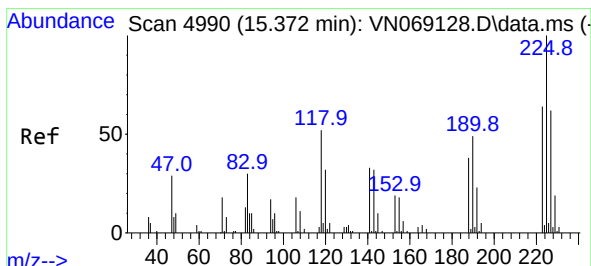
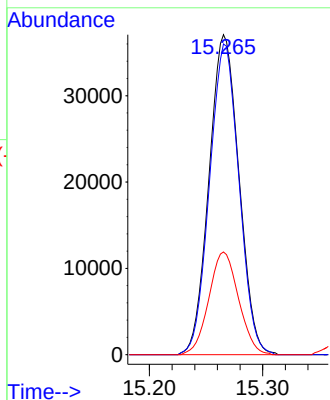
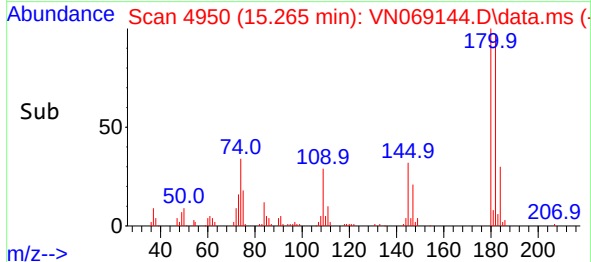
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



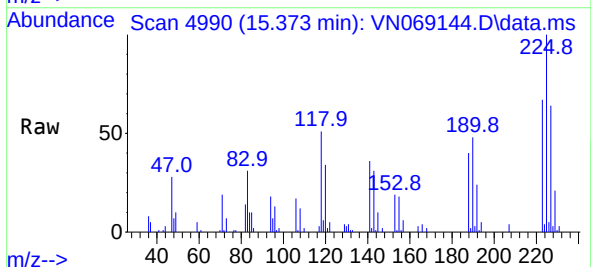
Tgt Ion:180 Resp: 67990
Ion Ratio Lower Upper
180 100
182 95.3 77.7 116.5
145 31.9 26.6 39.8

Manual Integrations
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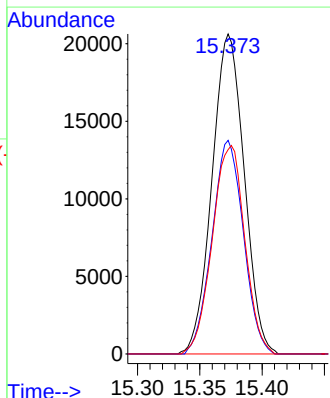
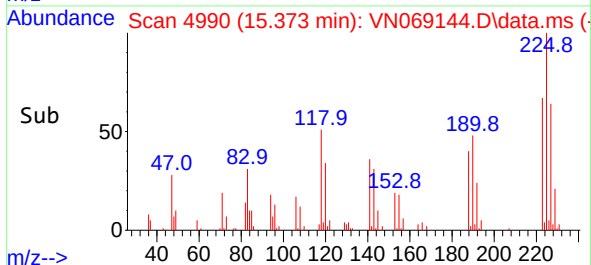
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

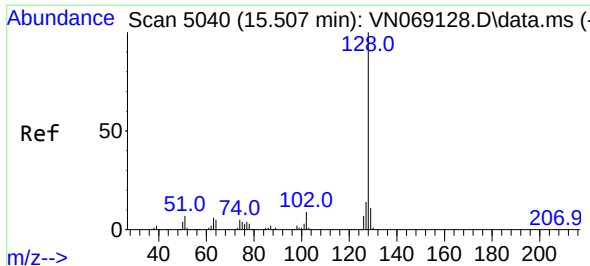


#90
Hexachlorobutadiene
Concen: 20.181 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



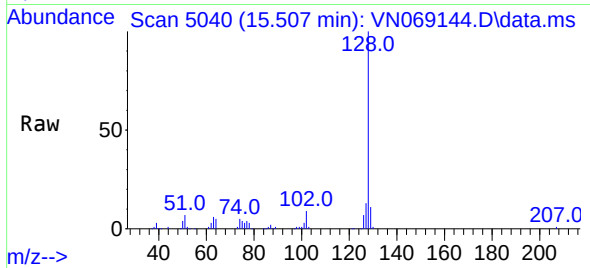
Tgt Ion:225 Resp: 37073
Ion Ratio Lower Upper
225 100
223 65.2 0.0 126.8
227 65.7 0.0 123.0





#91
Naphthalene
Concen: 20.173 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49

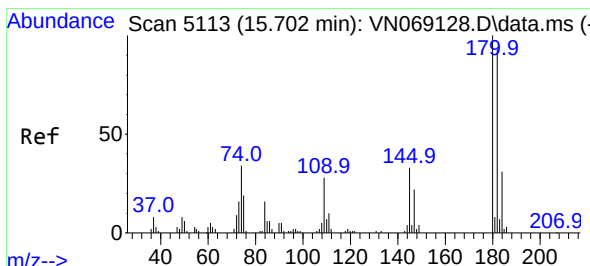
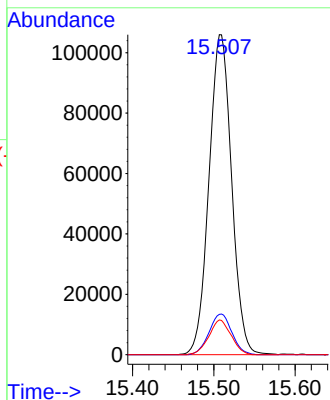
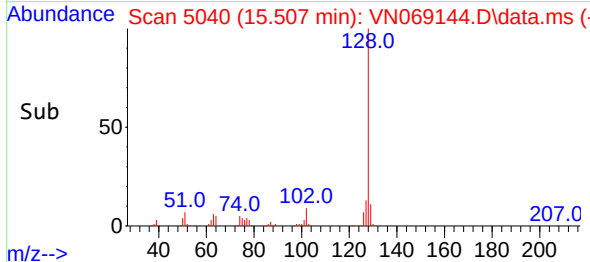
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



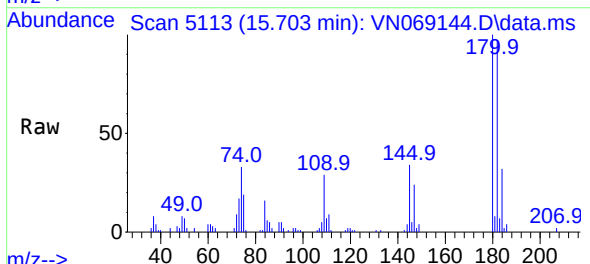
Tgt Ion:128 Resp: 20502
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 10.6 9.0 13.6

Manual Integrations
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Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#92
1,2,3-Trichlorobenzene
Concen: 20.118 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069144.D
Acq: 22 Oct 2021 19:49



Tgt Ion:180 Resp: 67556
Ion Ratio Lower Upper
180 100
182 95.6 0.0 190.0
145 34.3 0.0 67.8

